

PRELIMINARY DRAINAGE REPORT

FOR

Glen Ivy Senior Living Project County of Riverside

Prepared for:

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Prepared under supervision of:

A handwritten signature in black ink, appearing to read 'James Bolton', written over a horizontal line.

James R. Bolton, RCE No. 30236

October 2020
Revised - April 2021

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 - Background and Hydrology
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- **B:** Rational Method Calculations:
 - Existing Condition: 10-yr and 100-year storm
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INTRODUCTION

This drainage study has been prepared in support of the drainage system design for the Glen Ivy Senior Living development.

The Glen Ivy Senior Living project is located within the unincorporated area of the County of Riverside, south of the City of Corona, west of the I-15 Freeway, at the southwest corner of Temescal Canyon Road and Trilogy Parkway. It is located within Section 3 of Township 5 South, Range 6 West, SBB and M and being Assessor Parcels 290-190-083 and -084.

Coldwater Canyon Wash, drains from South to North in this area, and will be the ultimate receiving waters for the drainage from this project and its tributary area. The creek runs adjacent to the project's southerly boundary crossing Temescal Canyon Road approximately 200 feet south of the project then flowing northerly along the east side of Temescal Canyon Road.

The proposed 10 acre Glen Ivy Senior Living project will provide 188 full service residential facilities for Independent Living, Assisted Living, and Memory Care residents. The site includes two buildings, a 250,000 square foot 2-story building (including atrium spaces) and a 32,100 square foot single story building (including atrium space), along with on-site parking and a Water Quality basin. There are four access driveways provided, two along Trilogy Parkway and two along Temescal Canyon Road. The project is being processed as a Conditional Use Permit, CUP, with the County of Riverside.

Proposed Storm Drain System Overview:

The proposed Storm Drain consists of two separate systems that confluence into a single outlet pipe upon leaving the project site.

The projects on-site drainage system will receive flows from approximately 0.9 acres of off-site tributary area from the adjoining Glen Ivy RV Park. Flows from this offsite tributary area along with the approximately 9 acres of on-site area is collected in an onsite drainage system and routed through the onsite Water Quality Basin for treatment and increase runoff or Hydromodification impact (HCOC) mitigation, before the flows are released in the basin outflow pipe which then joins the projects outlet storm drain within Temescal Canyon Road.

The drainage design for the Glen Ivy Senior Living project intercepts approximately 14 acres of offsite tributary area and routes these flows within a storm drain pipe around the sites perimeter without commingling with on-site flows to the confluence point with the Water Quality Basin outlet pipe at the projects southeast corner within Temescal Canyon Road.

Both on-site flows after treatment/mitigation and intercepted off-site flows leave the project site from the southeast corner of the site within a proposed storm drain that do to existing utilities within Temescal Canyon Road travels southerly within the road right-of-way until an opening between utility pipelines allows the storm drain pipe to turn easterly crossing under and over utility pipelines traveling into RCFC&WCD property east of Temescal Canyon Road then flowing to and out-letting into Coldwater Canyon Wash approximately 200 feet east of the roadway.

In compliance with Riverside Counties' MS4 permit, certain post development water quality features will be designed into the project for water quality treatment of daily nuisance flows and first flush storm flows after the project is constructed and homes are occupied. The project will implement LID practices.

SETTING

The Glen Ivy Senior Living project is located within the unincorporated area of the County of Riverside, south of the City of Corona, west of the I-15 Freeway, at the southwest corner of Temescal Canyon Road and Trilogy Parkway. It is located within Section 3 of Township 5 South, Range 6 West, SBB and M, Riverside County. **See Figure 1a - Vicinity Map.**

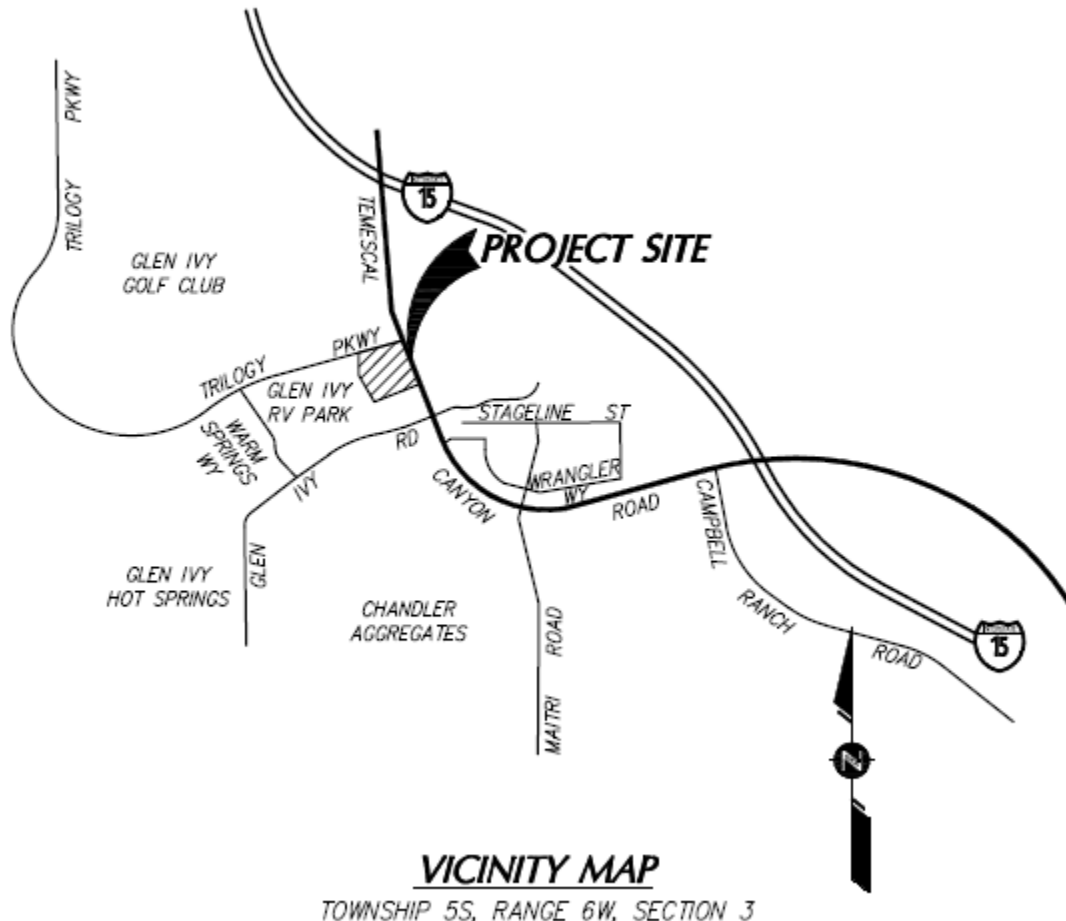


Figure 1a: Vicinity Map

EXISTING CONDITIONS

The project site is currently undeveloped. Located at the southwest corner of Temescal Canyon Road and Trilogy Parkway. Adjacent to the projects westerly side is the Glen Ivy RV Park and south of the project site is RCFC&WCD's "Glen Ivy Emergency Basin at Coldwater Wash" (PN 2-

Currently there is a depression “sump” in the middle of the project site. Project site’s terrain mostly drains into the sump with the remaining portion of the project site draining in a northeasterly direction to Temescal Canyon Road. The site ranges in elevation from approximately 1,105 feet above mean sea level in the far southwest corner of the site to approximately 1,083 feet above mean sea level at the sump area.

The southeastern portion of the project site is within the Coldwater Canyon Wash floodplain.

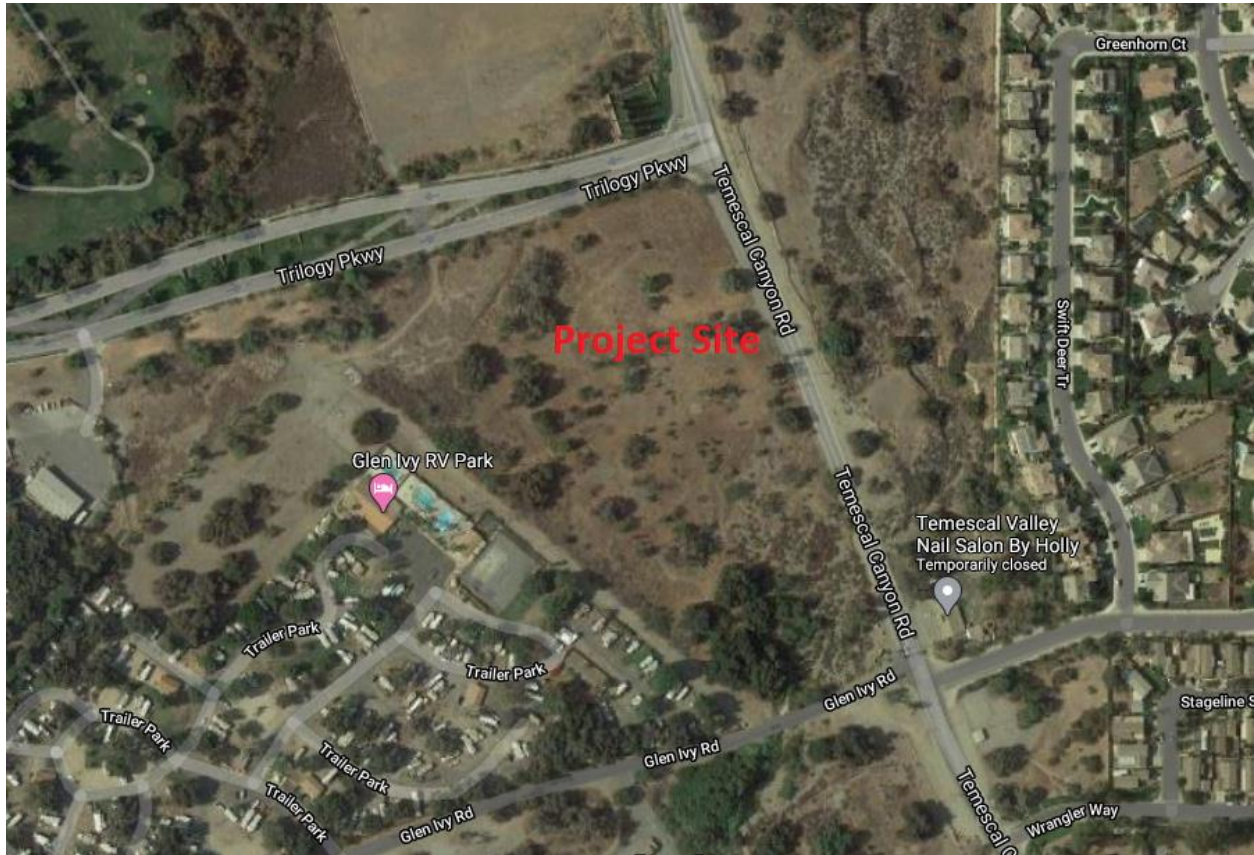


Figure 1b: Aerial Picture Existing Condition

PROPOSED CONDITIONS

The development of Glen Ivy Senior Living community will provide 188 full service residential facilities for Independent Living, Assisted Living, and Memory Care residents. The site includes two buildings, a 250,000 square foot 2-story building (including atrium spaces) and a 32,100 square foot single story building (including atrium space), along with on-site parking and a Water Quality basin and the construction of a storm drain system that will:

- Safely intercept offsite flows and convey through the site without co-mingling these flows with untreated onsite developed flows.
- Generally maintain the drainage patterns and discharge locations.
- In complying with Santa Ana Region NPDES-MS4 Permit requirements,

safely intercept Design Capture Volume and convey onsite developed storm flows to onsite Water Quality Treatment Control Basins.

- Provide emergency by-pass for 100-year storm event without damage the BMPs.
- Control outlet velocities such that downstream erosion potential is minimized and outlet flows are released in a safe manner.

Hydrology – Proposed Condition:

Drainage Area A will be divided into several drainage sub-areas:

As shown on **Figure 3** there are ten (10) drainage subareas in the proposed condition in this study, Drainage Subareas A-1 through A-10. All originating from the same tributary drainage areas; drainage patterns will generally remain as in the existing condition.

Drainage Area A (off-site) is approximately 14.49 acres, tributary to the project site from the existing Glen Ivy RV Park. These areas being the project's off-site drainage areas drain to a intercepting drainage system that conveys these flows through a proposed storm drain around the sites southerly perimeter to the projects downstream storm drain system within Temescal Canyon Road that after crossing the road drains to Coldwater Canyon Wash, thus by-passing the projects onsite Water Quality basin. The off-site drainage subareas are A-1 through A-5.

Drainage Area A (on-site) is approximately 9.76 acres and flows within the proposed Glen Ivy Senior Living project thru area drains and storm drain pipes into an onsite Infiltration/Detention Basin A (water quality basin) to mitigate the post water quality and HCOC mitigation. The on-site drainage subareas are A-6 through A-10.

Coldwater Canyon Wash:

There are two Drainage Study Reports for Coldwater Canyon Wash including the study reach:

- Coldwater Canyon Wash Geomorphology Study by JE Fuller dated September 2018.
- Glen Ivy Hot Springs Floodplain Analysis for Coldwater Canyon by Crouse/ Beers & Associates, dated March, 1998.

Floodplain Mapping

The National Flood Insurance Act (1968) established the National Flood Insurance Program, which is based on the minimal requirements for floodplain management and is designed to minimize flood damage within Special Flood Hazard Areas. The Federal Emergency Management Agency (FEMA) is the agency which administrates the National Flood Insurance Program. Special Flood Hazard Areas (SFHA) are defined as areas that have a 1% chance of flooding within a given year. This is also referred to as the 100-year flood. Flood Insurance Rate Maps (FIRMs) were developed to identify areas of flood hazards within a community.

According to the Flood Insurance Rate Map (FIRM) catalog, there are FIRMs produced by FEMA for the project site:

MAP Number: 06065C1390G

MAP Revised: August 28, 2008

The site is located within Zone X (white), which is an area outside the 0.2% annual chance of flood (500-year).

Best Available Maps (BAM)

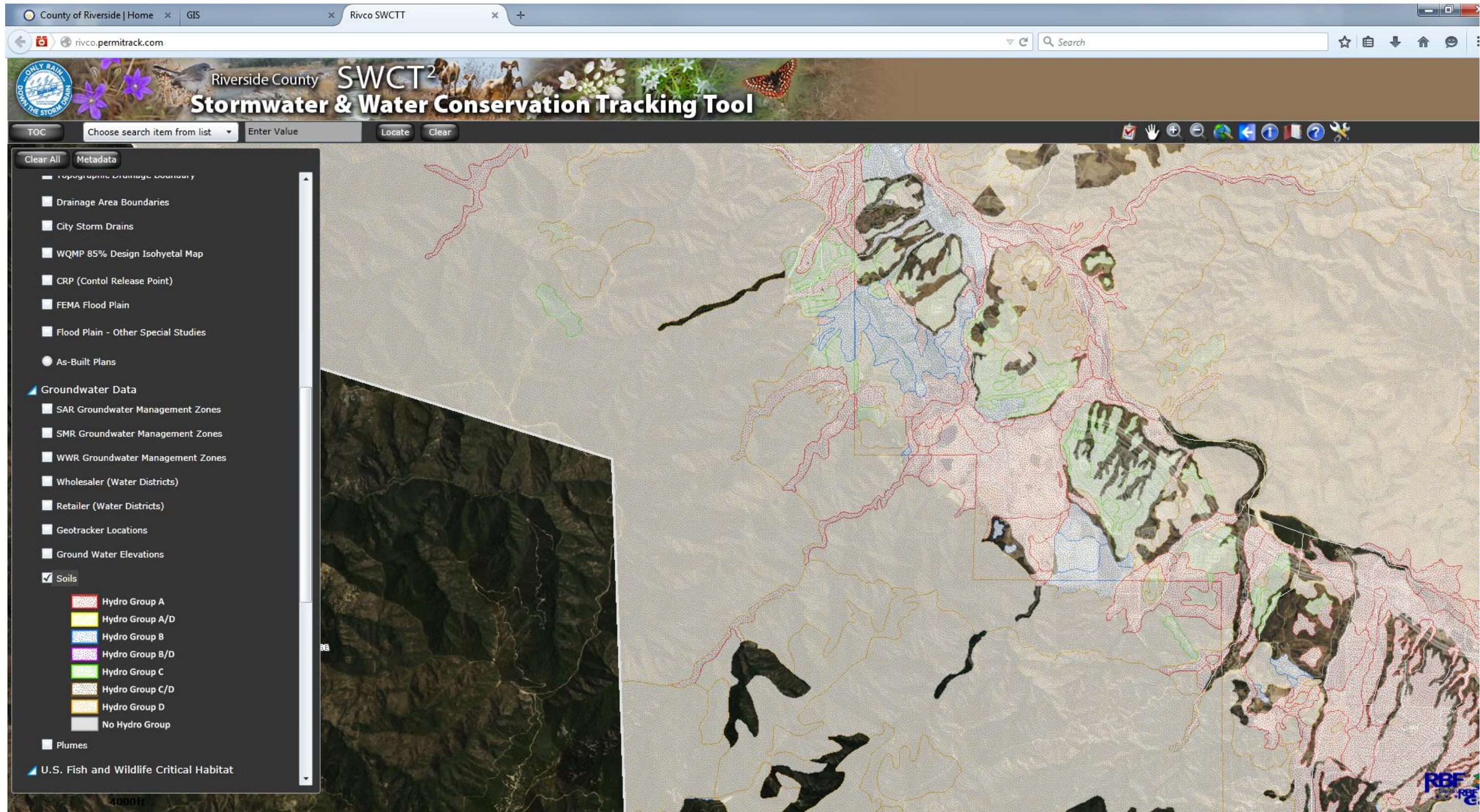
Senate Bill 5 (SB 5), which was enacted in 2007, authorized the California Department of Water Resources (DWR) to develop the Best Available Maps (BAM) displaying 100- and 200-year floodplains for areas located within the Sacramento-San Joaquin (SAC-SJ) Valley watershed. SB 5 requires that these maps contain the best available information on flood hazards and be provided to cities and counties in the SAC-SJ Valley watershed. This effort was completed by DWR in 2008. Today, this map is also available covering other areas in California.

The BAM does not replace existing FEMA regulatory floodplains shown on Flood Insurance Rate Maps (FIRM). For more information on the FEMA regulatory floodplains, please contact FEMA directly. The BAM floodplains identify potential flood risks that may warrant further studies or analyses for land use decision making. The floodplains shown delineate areas with potential exposure to flooding for three different storm events: one with storm flows that have a 1% chance of being equaled or exceeded in any year (100-year), one with storm flows that have a 0.5% chance of being equaled or exceeded in any year (200-year), and one with storm flows that have a 0.2% chance of being equaled or exceeded in any year (500-year). These flows and resulting flooded area are based on the best available floodplain information and may not identify all areas subject to flooding.

Proposed Floodplain protection:

With the Southeast corner of the project site being shown as within the Coldwater Canyon Wash special Flood Hazard Area, a Hec-Ras analysis was performed for the reach of Coldwater Canyon Wash that affects the proposed project. Based upon the results of the Hec-Ras analysis the Coldwater Canyon Wash storm flows pass southerly adjacent to the project site with a possibility of some flows breaking out of the wash and flowing northerly towards the project site. To protect the proposed project a Flood Wall with RipRap protection is proposed to be constructed along the project's southerly boundary extending approximately 100 feet west from Temescal Canyon Road.

For Coldwater Canyon Wash HEC-RAS analysis within Reach 6, see Attachment A.



Hydrologic Soils Group for the project site
(Majority Soil Type D)

NOTES TO USERS

The map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from flood storage sources of great size. The community map preparator should be consulted for possible addition or additional flood hazard information.

To obtain more detailed information in areas where Special Flood Hazard (SFHA) and/or Floodways have been determined, users are encouraged to consult the Flood Insurance Study (FIS) and/or Floodway Study (FWS) reports for the community. The FIS and FWS reports should be used to verify the SFHA shown on the FIRM report. Floodway information is provided for informational purposes only and should not be used as the sole source of flood elevation information. Flood elevation data presented in the FIS report should be used in conjunction with the FIRM to determine if construction and floodway management purposes when they are higher than the indicated SFHA or FWS FIRM.

Special Flood Hazard Elevations shown on this map were derived from a 1988 North American Vertical Datum of 1988 (NAVD 88) Users of this FIRM should be aware that special flood elevations are also provided in the Summary of Special Flood Hazard Elevations in the Flood Insurance Study report for the community. Elevations shown in the Summary of Special Flood Hazard Elevations should be used for construction and floodway management purposes when they are higher than the indicated SFHA or FWS FIRM.

Boundaries of the Floodways were compiled at 1:25,000 scale and projected elevation data are shown. The boundaries shown should be used for informational purposes only and should not be used as the sole source of flood elevation information. Floodway boundaries are provided in the Flood Insurance Study report for the community.

Certain areas not in Special Flood Hazard areas may be included in Flood Hazard Boundaries. Areas of Special Flood Hazard Boundaries of the Flood Insurance Study report for information on flood hazard boundaries for the community.

The projection used in the preparation of this map was Universal Transverse Mercator (UTM) zone 11. The horizontal datum used was the 1983 datum. Differences in datum, spheroid, projection or UTM zones used in the production of maps for adjacent communities may result in slight positional differences in map boundaries. Accuracy of the boundaries is not affected by the accuracy of the FIRM.

Boundaries shown on this map are based on the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same vertical datum. For information regarding differences in datum, spheroid, projection or UTM zones used in the production of maps for adjacent communities may result in slight positional differences in map boundaries. Accuracy of the boundaries is not affected by the accuracy of the FIRM.

Map Information Sources
 1:25,000 Scale
 National Geographic Society
 7500 15th Street
 Silver Spring, Maryland 20910-0202
 (301) 715-5000

To obtain current elevation information and/or location information for Special Flood Hazard areas on this map, please contact the Information Services Bureau of the National Geographic Society at (301) 715-5000, or visit its website at <http://www.ngs.com>.

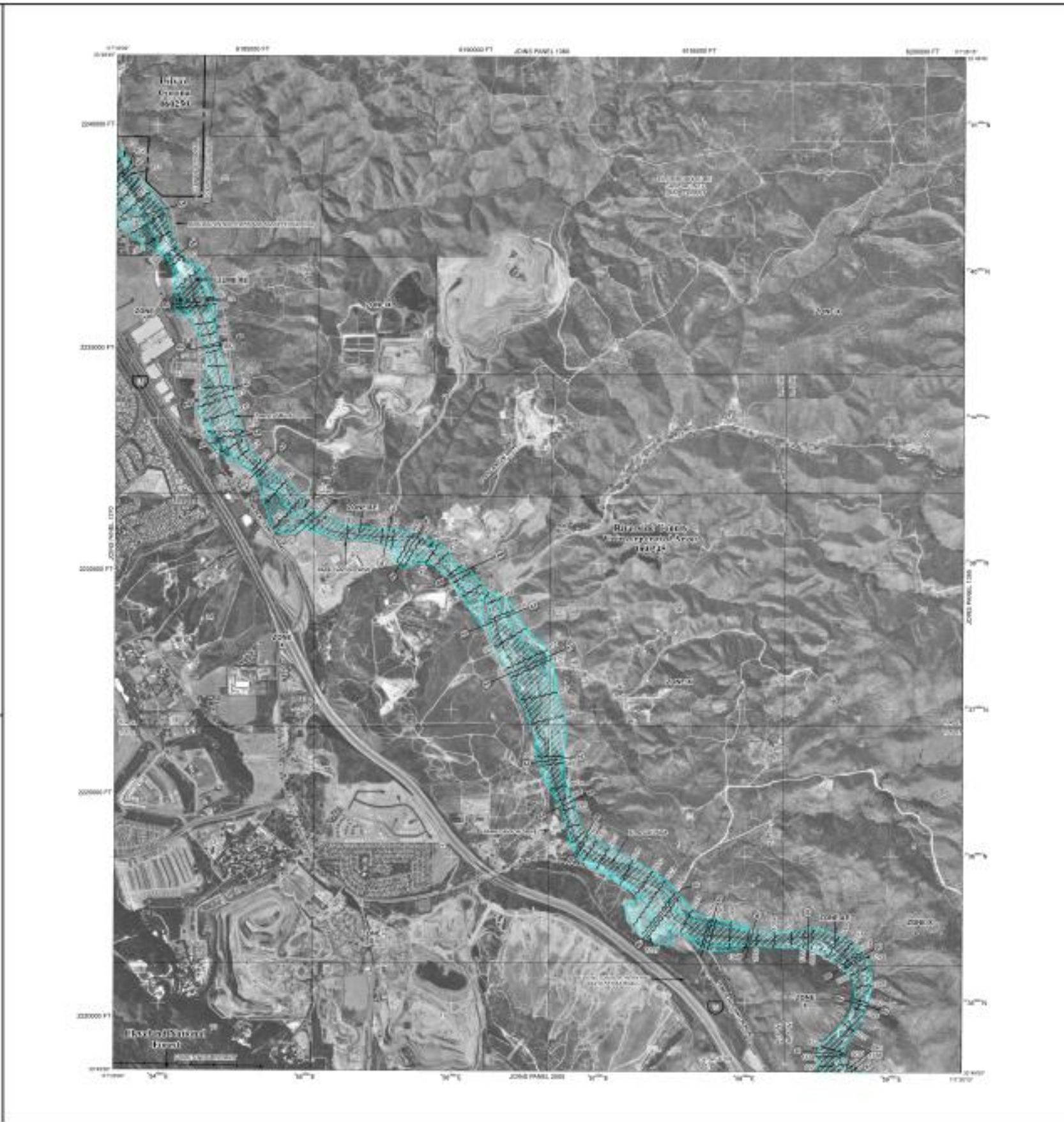
Base map information shown on this FIRM was derived from U.S. Geological Survey Digital Orthophoto Quartermaster produced at a scale of 1:25,000 from aerial photography dated 1994 or later.

This map may contain more detailed and up-to-date information than the Flood Insurance Study report. The boundaries and floodways that were determined from the previous FIS may have been adjusted to conform to more recent channel configurations. As a result, the FIS may contain information that may differ from what is shown on this map. Complete details shown on this map are based on the best data available at the time of publication. Revision changes due to amendments or other information may have occurred after this map was published. Map users should contact appropriate community officials to verify current conditions.

Please refer to the separately printed Map Index for an overview map of the County showing the layout of map panels, community map regulatory addresses, and a listing of communities that contain National Flood Insurance Program data for each community as well as a listing of the panels in which each community is located.

Contact the FIRM Map Service Center at 1-800-338-6916 for information on available products associated with this FIRM. Available products may include previously issued editions of Map Change, a Flood Insurance Study report, and/or digital versions of this map. The FIRM Map Service Center may also be reached by fax at 1-800-338-6922 and by website at <http://www.firm.gov>.

If you have questions about this map or questions concerning the National Flood Insurance Program in general, please call 1-877-FEMA-8287 (1-877-338-6287) or visit the FIRM website at <http://www.firm.gov>.



LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INSURANCE BY THE NATIONAL FLOOD INSURANCE PROGRAM

The U.S. Department of Commerce issues this Flood Hazard Map as a public service. It is not intended to be used as a basis for any other action. The U.S. Department of Commerce is not responsible for any errors or omissions in this map. The U.S. Department of Commerce is not responsible for any damages or losses resulting from the use of this map. The U.S. Department of Commerce is not responsible for any actions taken by any person based on the information contained in this map.

Zone A
 Special Flood Hazard Areas subject to insurance by the National Flood Insurance Program. Flood depths of 1 to 3 feet (local water level) above the Flood Insurance Study (FIS) base flood elevation.

Zone AO
 Flood depths of 1 to 3 feet (local water level) above the Flood Insurance Study (FIS) base flood elevation. Flood depths of 1 to 3 feet (local water level) above the Flood Insurance Study (FIS) base flood elevation.

Zone AH
 Special Flood Hazard Areas subject to insurance by the National Flood Insurance Program. Flood depths of 1 to 3 feet (local water level) above the Flood Insurance Study (FIS) base flood elevation.

Zone AN
 Flood depths of 1 to 3 feet (local water level) above the Flood Insurance Study (FIS) base flood elevation.

Zone AV
 Flood depths of 1 to 3 feet (local water level) above the Flood Insurance Study (FIS) base flood elevation.

Zone AR
 Flood depths of 1 to 3 feet (local water level) above the Flood Insurance Study (FIS) base flood elevation.

FLOODWAY AREAS (Zone AF)
 The boundaries of floodways are shown on this map. Floodways are areas of land adjacent to a flood hazard area that are subject to flooding. Floodways are shown on this map as areas of land adjacent to a flood hazard area that are subject to flooding.

OTHER FLOOD AREAS

Zone B
 Flood depths of 1 to 3 feet (local water level) above the Flood Insurance Study (FIS) base flood elevation.

Zone C
 Flood depths of 1 to 3 feet (local water level) above the Flood Insurance Study (FIS) base flood elevation.

Zone D
 Flood depths of 1 to 3 feet (local water level) above the Flood Insurance Study (FIS) base flood elevation.

Zone E
 Flood depths of 1 to 3 feet (local water level) above the Flood Insurance Study (FIS) base flood elevation.

Zone F
 Flood depths of 1 to 3 feet (local water level) above the Flood Insurance Study (FIS) base flood elevation.

Zone G
 Flood depths of 1 to 3 feet (local water level) above the Flood Insurance Study (FIS) base flood elevation.

Zone H
 Flood depths of 1 to 3 feet (local water level) above the Flood Insurance Study (FIS) base flood elevation.

Zone I
 Flood depths of 1 to 3 feet (local water level) above the Flood Insurance Study (FIS) base flood elevation.

Zone J
 Flood depths of 1 to 3 feet (local water level) above the Flood Insurance Study (FIS) base flood elevation.

Zone K
 Flood depths of 1 to 3 feet (local water level) above the Flood Insurance Study (FIS) base flood elevation.

Zone L
 Flood depths of 1 to 3 feet (local water level) above the Flood Insurance Study (FIS) base flood elevation.

Zone M
 Flood depths of 1 to 3 feet (local water level) above the Flood Insurance Study (FIS) base flood elevation.

Zone N
 Flood depths of 1 to 3 feet (local water level) above the Flood Insurance Study (FIS) base flood elevation.

Zone O
 Flood depths of 1 to 3 feet (local water level) above the Flood Insurance Study (FIS) base flood elevation.

Zone P
 Flood depths of 1 to 3 feet (local water level) above the Flood Insurance Study (FIS) base flood elevation.

Zone Q
 Flood depths of 1 to 3 feet (local water level) above the Flood Insurance Study (FIS) base flood elevation.

Zone R
 Flood depths of 1 to 3 feet (local water level) above the Flood Insurance Study (FIS) base flood elevation.

Zone S
 Flood depths of 1 to 3 feet (local water level) above the Flood Insurance Study (FIS) base flood elevation.

Zone T
 Flood depths of 1 to 3 feet (local water level) above the Flood Insurance Study (FIS) base flood elevation.

Zone U
 Flood depths of 1 to 3 feet (local water level) above the Flood Insurance Study (FIS) base flood elevation.

Zone V
 Flood depths of 1 to 3 feet (local water level) above the Flood Insurance Study (FIS) base flood elevation.

Zone W
 Flood depths of 1 to 3 feet (local water level) above the Flood Insurance Study (FIS) base flood elevation.

Zone X
 Flood depths of 1 to 3 feet (local water level) above the Flood Insurance Study (FIS) base flood elevation.

Zone Y
 Flood depths of 1 to 3 feet (local water level) above the Flood Insurance Study (FIS) base flood elevation.

Zone Z
 Flood depths of 1 to 3 feet (local water level) above the Flood Insurance Study (FIS) base flood elevation.

MAP SCALE 1" = 500'

MAP NUMBER 8069C-1390G

EFFECTIVE DATE AUGUST 28, 2008

Federal Emergency Management Agency

PANEL 1390G

FIRM

FLOOD INSURANCE RATE MAP

RIVERSIDE COUNTY, CALIFORNIA AND INCORPORATED AREAS

PANEL 1390 OF 3885

SEE MAP INDEX FOR FIRM PANEL LAYOUT

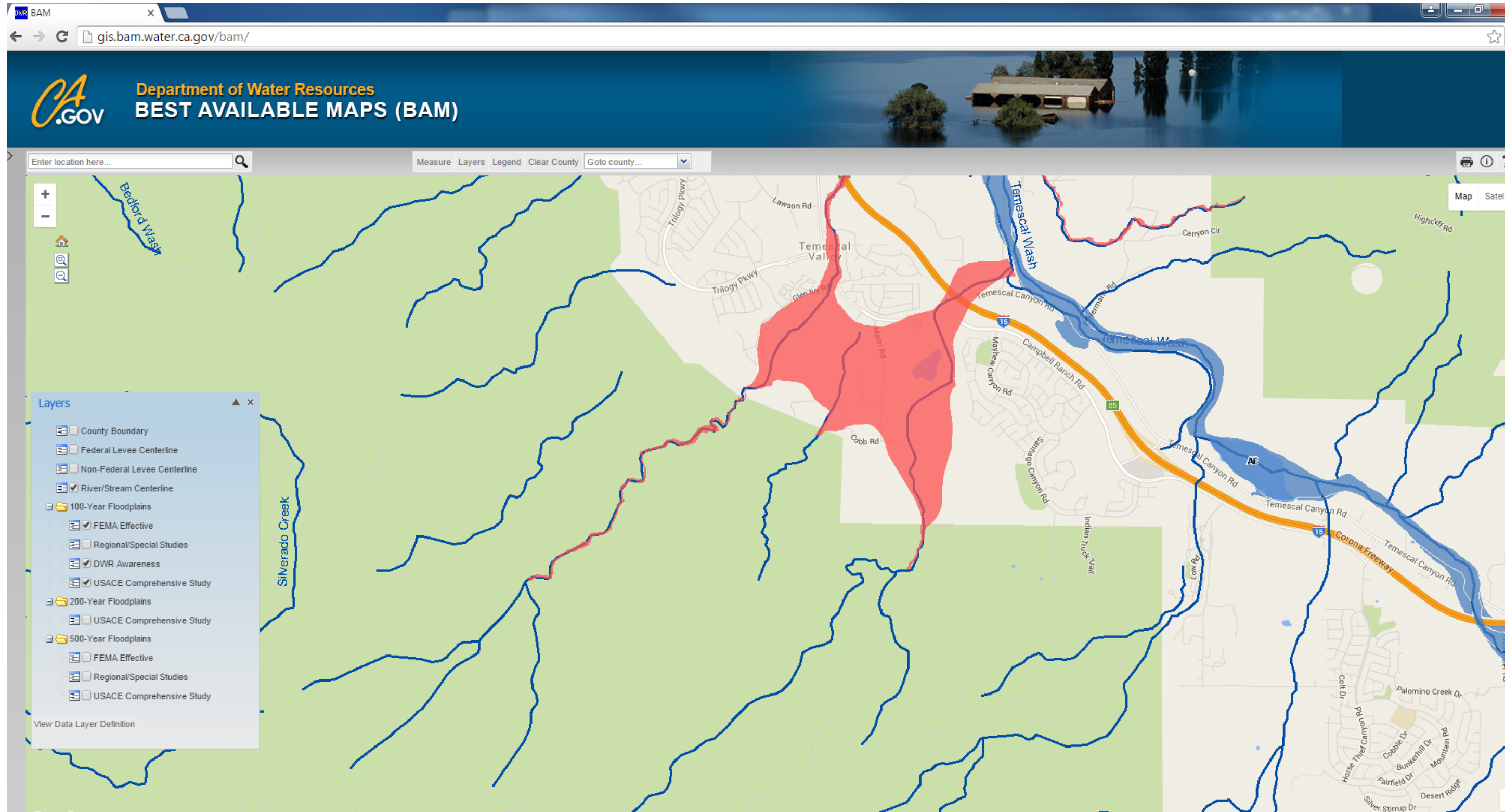
CONTRACT NUMBER 8069C-1390G

DATE 08/28/08

MAP NUMBER 8069C-1390G

EFFECTIVE DATE AUGUST 28, 2008

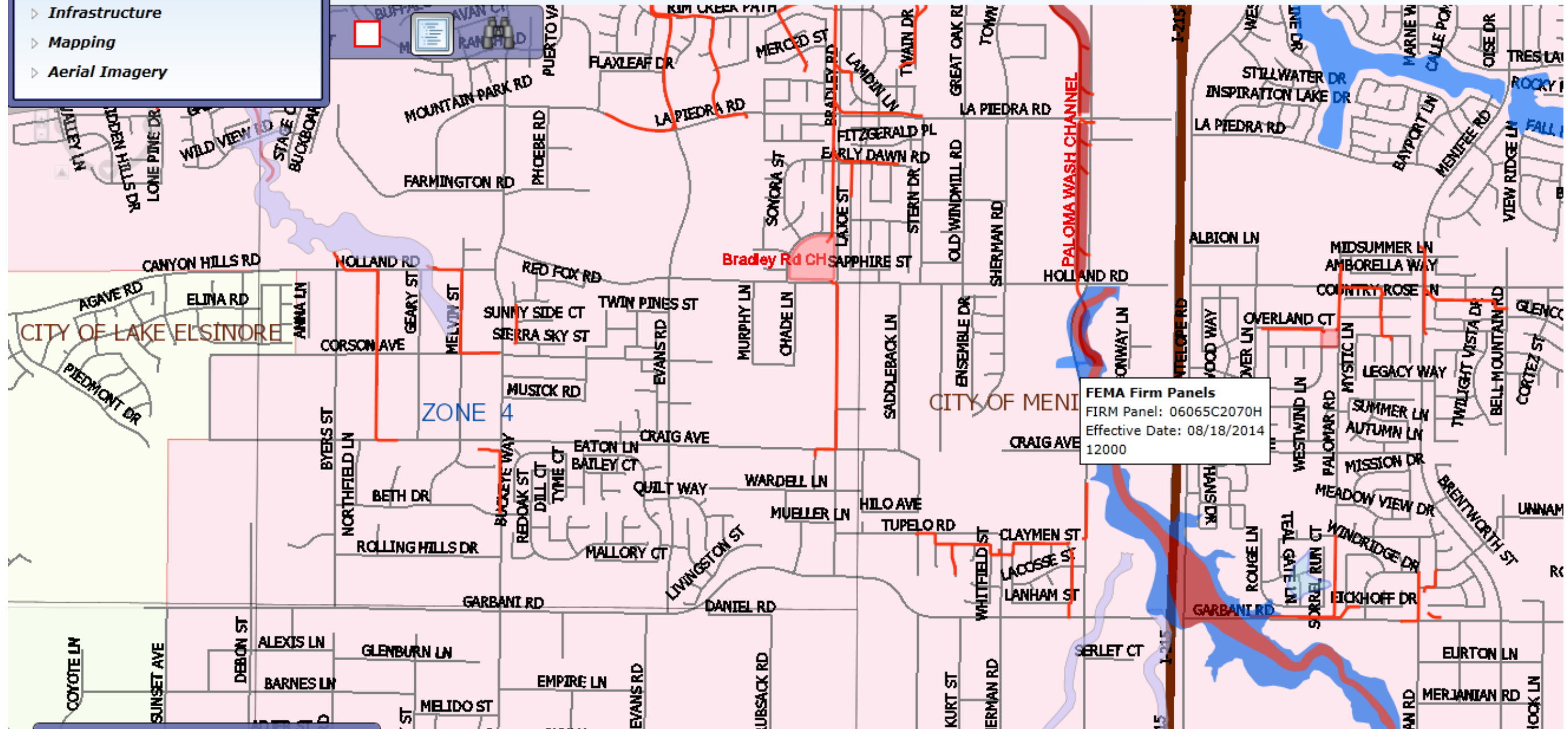
Federal Emergency Management Agency

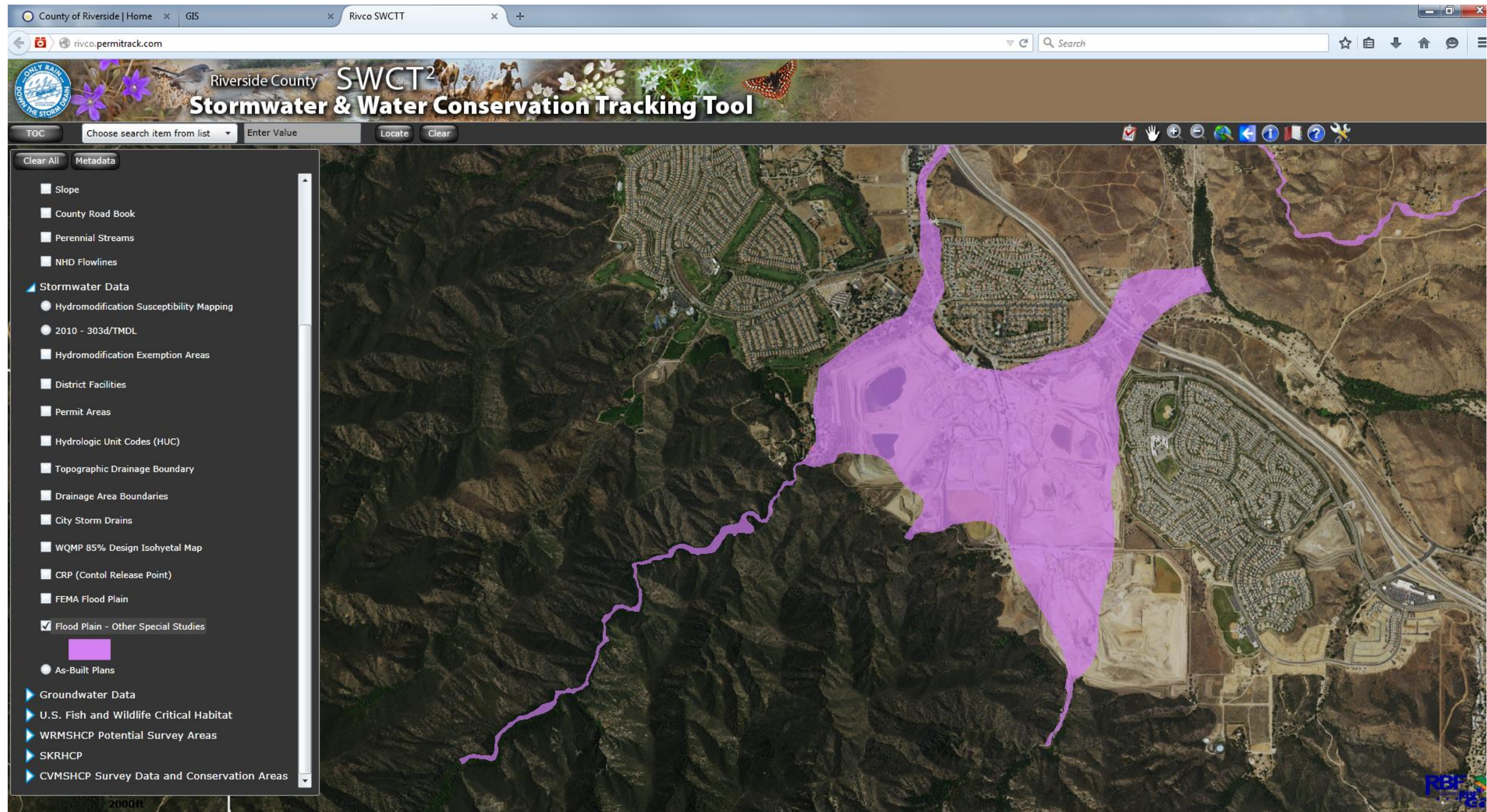


Public Flood Hazard Determination

GIS - Information Technology

- ▷ District
- ▷ Political
- ▷ Regulatory Floodplains Ord. 458
- ▷ Infrastructure
- ▷ Mapping
- ▷ Aerial Imagery





HYDROLOGY - RATIONAL METHOD

The hydrology calculations for determining the on-site and off-site flows have been conducted using the Rational Method as incorporated into the CivilCADD Rational Method Hydrology software. The rational method relates rainfall intensity, the ratio of runoff to rainfall, and the drainage area size to the peak storm runoff and is expressed by the equation: $Q = CIA$. Where Q = runoff (in cubic feet per second), C = runoff coefficient relating the ratio of runoff to rainfall, I = rainfall intensity (in inches per hour), A = drainage area (in acres). The soil type used in the analysis is a combination Type B, and D but majority is Type D. Yielding a relatively high soil runoff potential is Type D.

Figure 4 is the offsite and onsite existing (current) condition hydrology, summarize the results of the hydrologic analysis, including drainage areas, subareas, node numbers, elevations and cumulative Q_{100} values at points of concentration or discharge.

The design discharge in the various sub-drainage areas considered in this study are listed in the table below:

Summary Hydrology Drainage Areas A and B – Existing (current) Condition – Rational Method 10-year storm (see Attachment A for calculation):

Drainage Area	Area in Acre	Q_{10} sub-area in cfs	Q_{10} confluence in cfs
A-1	5.20	8.74	
A-2a	8.51	13.86	22.60
A-2b	5.99	9.13	31.73
B-1	1.02	1.80	

Summary Hydrology Drainage Areas A and B – Existing (current) Condition – Rational Method 100-year storm (see Attachment A for calculation):

Drainage Area	Area in Acre	Q_{100} sub-area in cfs	Q_{100} confluence in cfs
A-1	5.20	13.89	
A-2a	8.51	21.75	35.64
A-2b	5.99	14.68	50.31
B-1	1.02	2.91	

Summary Hydrology Drainage Area A – Proposed Condition – Rational Method 10-year storm (see Attachment B for calculation):

Drainage Area	Area in Acre	Q_{10} sub-area in cfs	Q_{10} confluence in cfs	Total Area In Acre
Off-site (ByPass SD)				
A-1	2.17	3.76		
A-2	2.30	3.89	7.64	4.47
A-3	2.97	4.86	12.51	7.44
A-4	5.47	8.87	21.38	12.91
A-5	1.58	2.59	23.97	14.49
On-site (To Basin)				
A-6	0.86	1.67		

A-7	2.76	5.24	6.92	3.62
A-8	3.44	6.23	13.15	7.06
A-9	2.14	3.86	17.01	9.20
A-10	0.56	0.95	17.96	9.76
		On-Site Total =	17.96	9.76

Summary Hydrology Drainage Area A – Proposed Condition – Rational Method 100-year storm (see Attachment B for calculation):

Drainage Area	Area in Acre	Q ₁₀₀ sub-area in cfs	Q ₁₀₀ confluence in cfs	Total Area In Acre
Off-site (Bypass SD)				
A-1	2.17	5.96		
A-2	2.30	6.09	12.05	4.47
A-3	2.97	7.67	19.72	7.44
A-4	5.47	14.01	33.73	12.91
A-5	1.58	4.06	37.80	14.49
On-site (To Basin)				
A-6	0.86	2.65		
A-7	2.76	8.22	10.88	3.62
A-8	3.44	9.82	20.69	7.06
A-9	2.14	6.08	26.77	9.20
A-10	0.56	1.53	28.31	9.76
			Flow into basin	

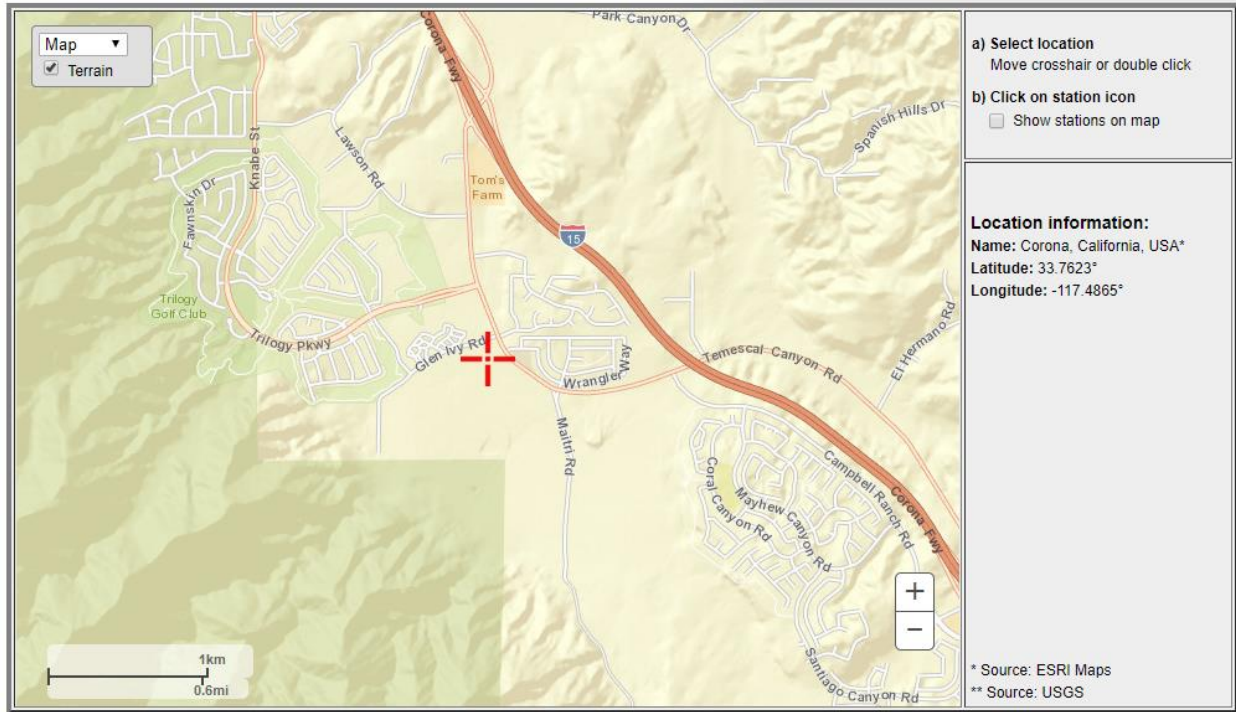
HCOC MITIGATION and Sensitive Analysis

UNIT HYDROGRAPH

The unit hydrograph analysis was conducted using the CivilDesign Corporation Unit Hydrograph software and the Riverside County Hydrology Manual. In this study analysis, the goal was to estimate the quantity of storm water to be detained onsite to mitigate the increase in storm water peak discharge and volume resulting from this development. The 2-year 24-hour storm Inflow Hydrographs in the existing and proposed conditions were computed for HCOC mitigation. The ultimate condition-project hydrographs will be used as inflow hydrograph in detention basin routing with restricted basin outlet structure works.

Summary of Precipitation – Intensity Pattern BASED on NOAA Atlas 14:

Storm Event	1-hour	3-hour	6-hour	24-hour
2-year	0.512	0.884	1.23	2.20
100-year	1.43	2.28	3.12	5.83





NOAA Atlas 14, Volume 6, Version 2
Location name: Corona, California, USA*
Latitude: 33.7623°, Longitude: -117.4865°
Elevation: m/ft**
 * source: ESRI Maps
 ** source: USGS



POINT PRECIPITATION FREQUENCY ESTIMATES

Sanja Perica, Sarah Dietz, Sarah Heim, Lillian Hiner, Kazungu Maitaria, Deborah Martin, Sandra Pavlovic, Ishani Roy, Carl Trypaluk, Dale Unruh, Fenglin Yan, Michael Yekta, Tan Zhao, Geoffrey Bonnin, Daniel Brewer, Li-Chuan Chen, Tye Parzybok, John Yarchoan

NOAA, National Weather Service, Silver Spring, Maryland

[PF tabular](#) | [PF graphical](#) | [Maps & aeriels](#)

PF tabular

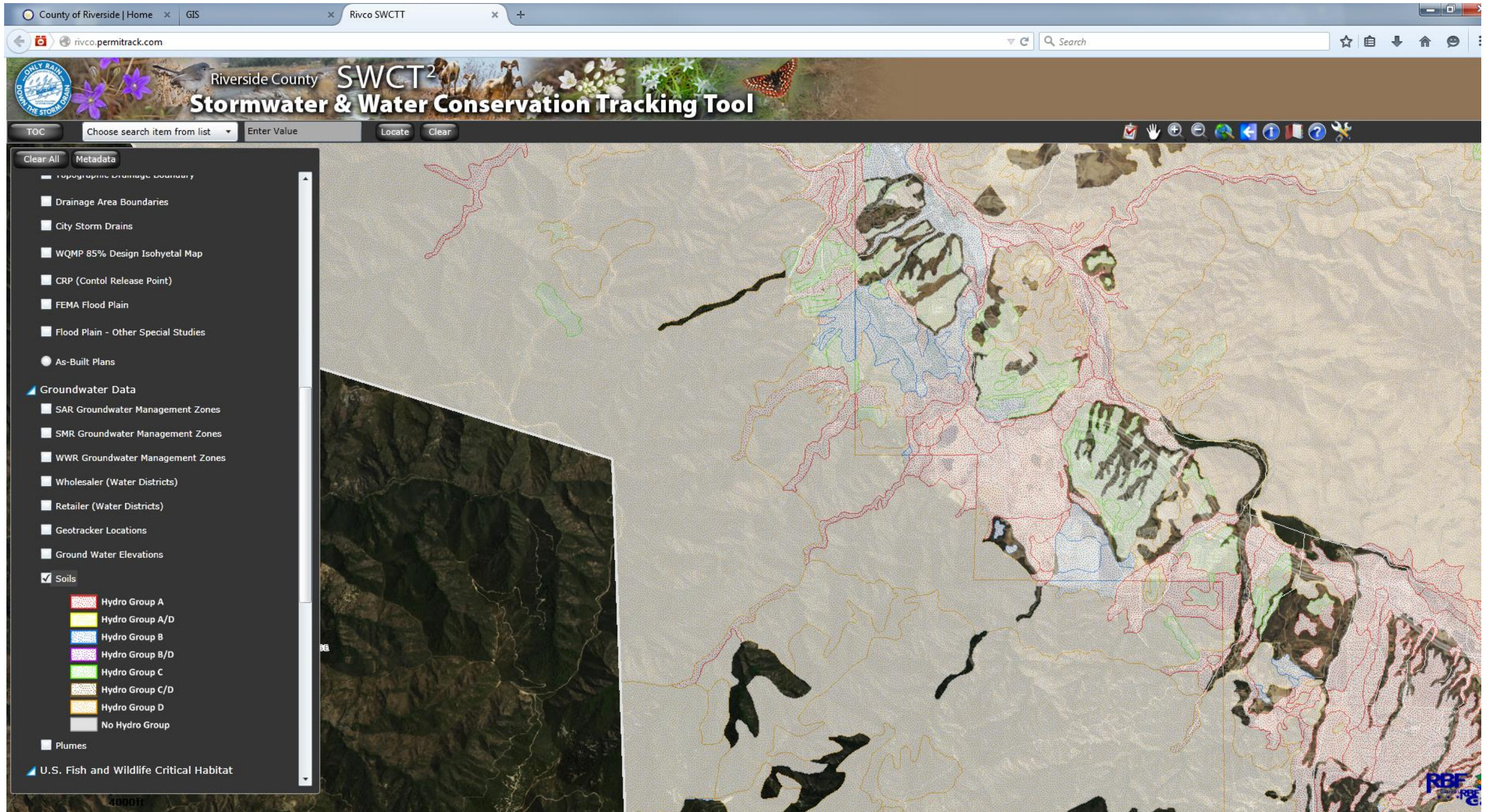
PDS-based point precipitation frequency estimates with 90% confidence intervals (in inches)¹										
Duration	Average recurrence interval (years)									
	1	2	5	10	25	50	100	200	500	1000
5-min	0.098 (0.082-0.118)	0.137 (0.115-0.166)	0.189 (0.158-0.229)	0.231 (0.191-0.283)	0.290 (0.231-0.367)	0.335 (0.262-0.434)	0.382 (0.291-0.507)	0.431 (0.318-0.589)	0.498 (0.352-0.711)	0.550 (0.375-0.815)
10-min	0.141 (0.118-0.169)	0.196 (0.164-0.237)	0.271 (0.226-0.328)	0.332 (0.274-0.405)	0.415 (0.332-0.526)	0.481 (0.375-0.622)	0.548 (0.417-0.727)	0.618 (0.456-0.845)	0.713 (0.504-1.02)	0.788 (0.537-1.17)
15-min	0.170 (0.142-0.205)	0.238 (0.199-0.287)	0.327 (0.273-0.396)	0.401 (0.332-0.490)	0.502 (0.401-0.636)	0.581 (0.454-0.752)	0.662 (0.504-0.880)	0.747 (0.552-1.02)	0.863 (0.610-1.23)	0.953 (0.650-1.41)
30-min	0.252 (0.211-0.304)	0.353 (0.295-0.426)	0.486 (0.406-0.589)	0.596 (0.493-0.727)	0.746 (0.596-0.944)	0.864 (0.674-1.12)	0.984 (0.749-1.31)	1.11 (0.819-1.52)	1.28 (0.906-1.83)	1.42 (0.965-2.10)
60-min	0.366 (0.307-0.442)	0.512 (0.429-0.618)	0.705 (0.589-0.854)	0.864 (0.715-1.06)	1.08 (0.864-1.37)	1.25 (0.978-1.62)	1.43 (1.09-1.90)	1.61 (1.19-2.20)	1.86 (1.32-2.66)	2.06 (1.40-3.05)
2-hr	0.546 (0.457-0.658)	0.725 (0.607-0.875)	0.967 (0.807-1.17)	1.17 (0.967-1.43)	1.45 (1.16-1.84)	1.68 (1.31-2.17)	1.91 (1.45-2.53)	2.15 (1.59-2.94)	2.49 (1.76-3.56)	2.76 (1.88-4.09)
3-hr	0.676 (0.567-0.815)	0.884 (0.740-1.07)	1.17 (0.973-1.41)	1.40 (1.16-1.71)	1.74 (1.39-2.20)	2.00 (1.56-2.59)	2.28 (1.73-3.03)	2.57 (1.90-3.52)	2.98 (2.11-4.26)	3.31 (2.25-4.90)
6-hr	0.952 (0.798-1.15)	1.23 (1.03-1.49)	1.61 (1.34-1.95)	1.93 (1.59-2.35)	2.38 (1.90-3.01)	2.74 (2.14-3.54)	3.12 (2.37-4.14)	3.52 (2.60-4.81)	4.08 (2.88-5.83)	4.53 (3.09-6.71)
12-hr	1.24 (1.04-1.50)	1.63 (1.36-1.97)	2.15 (1.80-2.61)	2.59 (2.14-3.16)	3.20 (2.55-4.05)	3.68 (2.88-4.77)	4.19 (3.19-5.56)	4.72 (3.49-6.45)	5.46 (3.86-7.80)	6.05 (4.12-8.96)
24-hr	1.63 (1.44-1.88)	2.20 (1.94-2.54)	2.95 (2.60-3.42)	3.58 (3.13-4.18)	4.44 (3.76-5.36)	5.12 (4.25-6.30)	5.83 (4.72-7.34)	6.56 (5.17-8.49)	7.58 (5.74-10.2)	8.38 (6.14-11.7)
2-day	1.97 (1.75-2.28)	2.71 (2.39-3.13)	3.69 (3.25-4.28)	4.51 (3.94-5.26)	5.63 (4.76-6.79)	6.51 (5.40-8.01)	7.42 (6.01-9.35)	8.37 (6.60-10.8)	9.68 (7.33-13.0)	10.7 (7.84-14.9)
3-day	2.12 (1.87-2.45)	2.94 (2.60-3.40)	4.05 (3.57-4.69)	4.97 (4.34-5.80)	6.24 (5.28-7.52)	7.24 (6.00-8.90)	8.27 (6.70-10.4)	9.35 (7.37-12.1)	10.8 (8.21-14.6)	12.0 (8.81-16.8)
4-day	2.29 (2.03-2.65)	3.21 (2.83-3.71)	4.44 (3.91-5.14)	5.47 (4.78-6.38)	6.89 (5.83-8.31)	8.02 (6.65-9.86)	9.18 (7.44-11.6)	10.4 (8.21-13.5)	12.1 (9.18-16.3)	13.5 (9.87-18.8)
7-day	2.61 (2.30-3.01)	3.68 (3.25-4.25)	5.14 (4.52-5.95)	6.37 (5.56-7.43)	8.10 (6.85-9.76)	9.48 (7.86-11.7)	10.9 (8.84-13.8)	12.5 (9.81-16.1)	14.6 (11.1-19.7)	16.3 (12.0-22.8)
10-day	2.78 (2.46-3.21)	3.95 (3.49-4.56)	5.55 (4.89-6.43)	6.91 (6.04-8.07)	8.85 (7.49-10.7)	10.4 (8.62-12.8)	12.0 (9.75-15.2)	13.8 (10.9-17.8)	16.3 (12.3-21.9)	18.3 (13.4-25.5)
20-day	3.30 (2.92-3.81)	4.72 (4.17-5.46)	6.72 (5.92-7.79)	8.45 (7.38-9.86)	10.9 (9.26-13.2)	13.0 (10.8-16.0)	15.1 (12.3-19.1)	17.5 (13.8-22.6)	20.8 (15.8-28.1)	23.6 (17.3-32.9)
30-day	3.91 (3.46-4.51)	5.59 (4.94-6.46)	7.98 (7.03-9.25)	10.1 (8.79-11.7)	13.1 (11.1-15.8)	15.6 (12.9-19.2)	18.3 (14.8-23.0)	21.2 (16.7-27.4)	25.4 (19.2-34.2)	28.9 (21.1-40.2)
45-day	4.62 (4.09-5.34)	6.56 (5.80-7.58)	9.34 (8.23-10.8)	11.8 (10.3-13.8)	15.4 (13.0-18.6)	18.4 (15.2-22.6)	21.6 (17.5-27.2)	25.2 (19.8-32.6)	30.3 (23.0-40.8)	34.6 (25.3-48.2)
60-day	5.34 (4.72-6.16)	7.49 (6.61-8.65)	10.6 (9.33-12.3)	13.3 (11.7-15.6)	17.4 (14.7-21.0)	20.8 (17.3-25.6)	24.5 (19.9-30.9)	28.6 (22.5-37.0)	34.5 (26.1-46.5)	39.5 (28.9-55.0)

¹ Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS). Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values. Please refer to NOAA Atlas 14 document for more information.

<u>ACTUAL IMPERVIOUS COVER</u>		
Land Use (1)	Range-Percent	Recommended Value For Average Conditions-Percent(2)
Natural or Agriculture	0 - 10	0
Single Family Residential: (3)		
40,000 S. F. (1 Acre) Lots	10 - 25	20
20,000 S. F. (1/2 Acre) Lots	30 - 45	40
7,200 - 10,000 S. F. Lots	45 - 55	50
Multiple Family Residential:		
Condominiums	45 - 70	65
Apartments	65 - 90	80
Mobile Home Park	60 - 85	75
Commercial, Downtown Business or Industrial	80 -100	90
<p>Notes:</p> <ol style="list-style-type: none"> Land use should be based on ultimate development of the watershed. Long range master plans for the County and incorporated cities should be reviewed to insure reasonable land use assumptions. Recommended values are based on average conditions which may not apply to a particular study area. The percentage impervious may vary greatly even on comparable sized lots due to differences in dwelling size, improvements, etc. Landscape practices should also be considered as it is common in some areas to use ornamental gravels underlain by impervious plastic materials in place of lawns and shrubs. A field investigation of a study area should always be made, and a review of aerial photos, where available may assist in estimating the percentage of impervious cover in developed areas. For typical horse ranch subdivisions increase impervious area 5 percent over the values recommended in the table above. 		
RCFC & WCD HYDROLOGY MANUAL	IMPERVIOUS COVER FOR DEVELOPED AREAS	

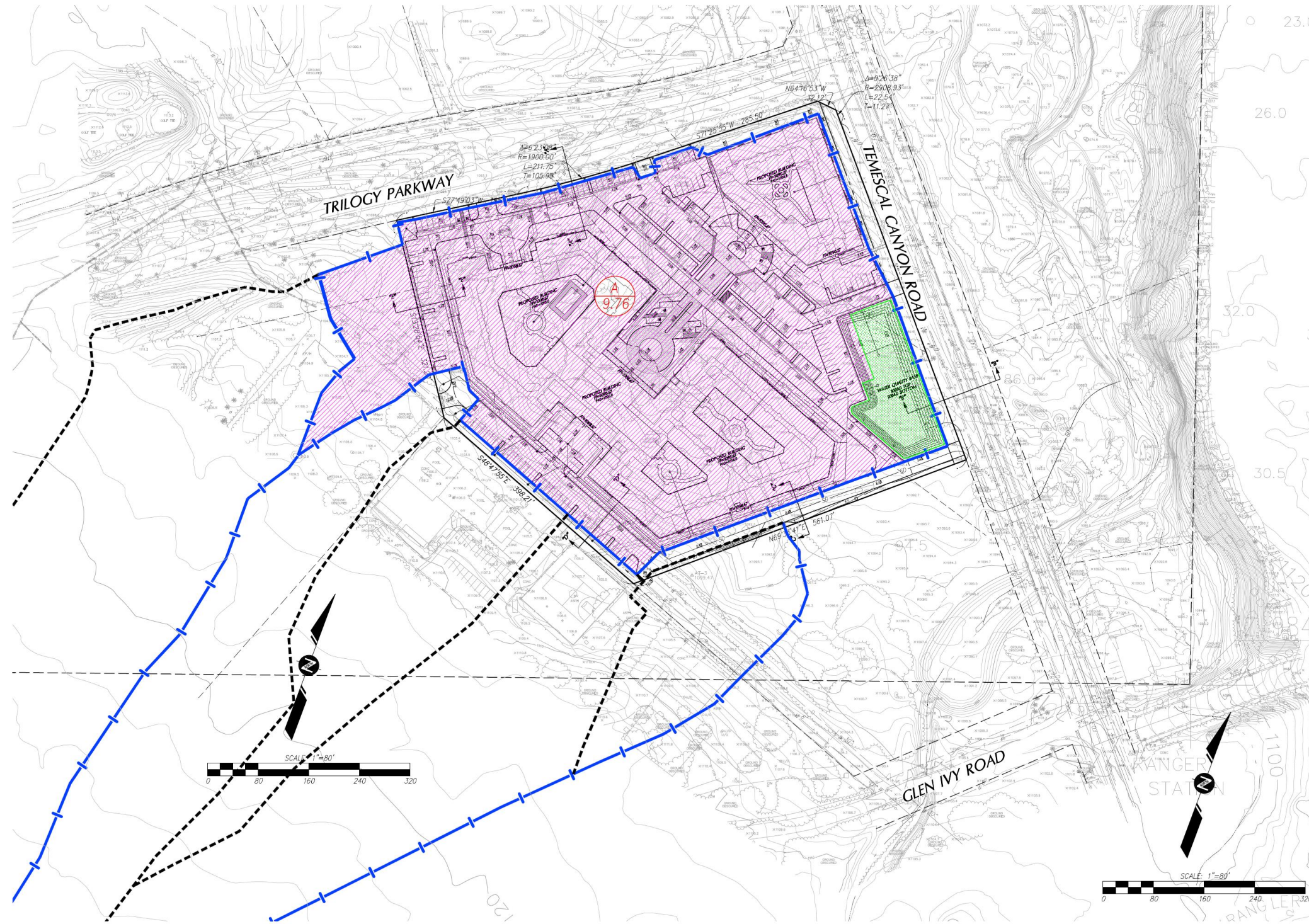
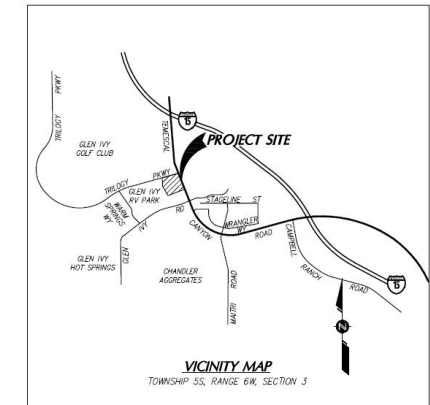
PLATE D-5.6

For conservative Glen Ivy Senior Living Project, I = 0.65 – 0.9 → Average 0.8
 For Apartment areas use → I = 0.9 in preliminary



Soil Map

GLEN IVY SENIOR LIVING



Glen Ivy Senior Living
 Inflow Hydrograph Calculations
 Existing Condition
 2-year 24-hour storm

Drainage Area = 9.73(Ac.) = 0.015 Sq. Mi.
 Drainage Area for Depth-Area Areal Adjustment = 9.73(Ac.) = 0.015 Sq. Mi.
 Length along longest watercourse = 1323.00(Ft.)
 Length along longest watercourse measured to centroid = 593.00(Ft.)
 Length along longest watercourse = 0.261 Mi.
 Length along longest watercourse measured to centroid = 0.112 Mi.
 Difference in elevation = 20.80(Ft.)
 Slope along watercourse = 83.0113 Ft./Mi.
 Average Manning's 'N' = 0.025
 Lag time = 0.067 Hr.
 Lag time = 4.00 Min.
 25% of lag time = 1.00 Min.
 40% of lag time = 1.60 Min.
 Unit time = 5.00 Min.
 Duration of storm = 24 Hour(s)
 User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area (Ac.) [1]	Rainfall (In) [2]	Weighting(1*2)
9.73	2.20	21.41

100 YEAR Area rainfall data:

Area (Ac.) [1]	Rainfall (In) [2]	Weighting(1*2)
9.73	5.83	56.73

STORM EVENT (YEAR) = 2.00
 Area Averaged 2-Year Rainfall = 2.200(In)
 Area Averaged 100-Year Rainfall = 5.830(In)
 Point rain (area averaged) = 2.200(In)
 Areal adjustment factor = 100.00 %
 Adjusted average point rain = 2.200(In)

Summary HCOC - Detention Basin A Routing result:
 Drainage Area A - existing (9.76 Ac), proposed (9.76 Ac)

Storm Frequency	Existing Q ₂ (cfs) [1]	Proposed Q ₂ (cfs) [2]	Det. Basin Outlet Q ₂ (cfs) [2]	Different [2] - [1] (cfs)	Different [2] - [1] (%)
2-year 24-hour	0.381	2.407	0.405	0.024	6.29%

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Hydrograph to Basin A

**Summary HCOC – Detention Basin A Routing result:
Drainage Area A – existing (9.76 Ac), proposed (9.76 Ac)**

Storm Frequency	Existing Q ₂ (cfs) [1]	Proposed Q ₂ (cfs)	Det. Basin Outlet Q ₂ (cfs) [2]	Det. Basin Outlet Q ₂ (cfs) [3]=[2]-Inf. *)	Different [2] – [1] (cfs)	Different [2] – [1] (%)
2-year 24-hour	0.381	2.407	0.516	0.376	-0.005	-0.013%

See Attachment C for complete calculations.

***) Actual Basin Outflow to downstream [3] = [2] – Basin Infiltration Outflow:**

Basin Infiltration Outflow:					
P-2 (in/hr)	P-2 (ft/hr)	Basin Infiltration Bottom Area (sf)	Infiltration Outflow (cf/hr)	Infiltration Outflow (cfs)	Infiltration Outflow (FS=3) (cfs)
1.89	0.1575	12042	1896.615	0.53	0.18

Based on the information provided above, this project meets the requirements of Condition C in WQMP and will not create a hydrologic condition of concern in the proximate or downstream receiving waters.

The post-development hydrograph for the 2-year, 24-hour rainfall event will be mitigated by the implementation of Site Design BMPs to limit discharges to a flow rate no greater than 110% of pre-development 2-year flow.

**Summary Sensitive Analysis – Detention Basin A Routing result:
Drainage Area A – existing (9.76 Ac), proposed (9.76 Ac)**

Storm Frequency	Existing Q ₂ (cfs) [1]	Proposed Q ₂ (cfs)	Det. Basin Outlet Q ₂ (cfs) [2]	Det. Basin Outlet Q ₂ (cfs) [3]=[2]-Inf.	Different [3] – [1] (cfs)	Different [3] – [1] (%)
2-year 1-hour	5.775	9.733	0.302	0.122	-5.653	-97.8%
2-year 3-hour	2.708	6.679	0.378	0.198	-2.510	-92.6%
2-year 6-hour	2.105	6.136	0.432	0.252	-1.853	-88.0%
2-year 24-hour	0.381	2.407	0.546	0.366	-0.015	-3.9%

Storm Frequency	Existing Q ₅ (cfs) [1]	Proposed Q ₅ (cfs)	Det. Basin Outlet Q ₅ (cfs) [2]	Det. Basin Outlet Q ₅ (cfs) [3]=[2]-Inf.	Different [3] – [1] (cfs)	Different [3] – [1] (%)
5-year 1-hour	9.876	14.269	0.361	0.181	-9.695	-98.2%
5-year 3-hour	5.388	9.560	0.446	0.266	-5.122	-95.0%

5-year 6-hour	4.538	8.746	0.543	0.363	-4.175	-92.0%
5-year 24-hour	0.528	3.337	0.722	0.542	-0.014	-0.26%

Storm Frequency	Existing Q₁₀ (cfs) [1]	Proposed Q₁₀ (cfs)	Det. Basin Outlet Q₁₀ (cfs) [2]	Det. Basin Outlet Q₁₀ (cfs) [3]=[2]-Inf.	Different [3] – [1] (cfs)	Different [3] – [1] (%)
10-year 1-hour	15.046	18.102	0.406	0.226	-14.820	-98.5%
10-year 3-hour	9.346	12.119	0.525	0.345	-9.001	-96.3%
10-year 6-hour	8.298	11.111	0.650	0.470	-7.828	-94.3%
10-year 24-hour	2.415	4.261	0.845	0.665	-1.750	-72.5%

Storm Frequency	Existing Q₁₀₀ (cfs) [1]	Proposed Q₁₀₀ (cfs)	Det. Basin Outlet Q₁₀₀ (cfs) [2]	Det. Basin Outlet Q₁₀₀ (cfs) [3]=[2]-Inf.	Different [3] – [1] (cfs)	Different [3] – [1] (%)
100-year 1-hour	27.390	29.931	0.584	0.404	-26.986	-98.5%
100-year 3-hour	17.689	19.747	0.802	0.622	-17.067	-96.5%
100-year 6-hour	15.947	18.060	2.766	2.586	-13.361	-83.7%
100-year 24-hour	6.503	7.424	5.009	4.829	-1.674	-25.7%

See Attachment D for complete calculations.

HCOC – Detention Basin A:

Glen Ivy Senior Living Project					
Infiltration/Detention Basin A					
Elev.	Depth (ft)	Area (sqft)	Vol. Inc. (cuft)	Vol. Accum. (cuft)	Vol. Accum. (Acft)
1084	0	12042	0	0	0
1085	1	18894	15468	15468	0.36
1086	2	20882	19888	35356	0.81
1087	3	22909	21895.5	57251.5	1.31
1088	4	25030	23969.5	81221	1.86
1089	5	27306	26168	107389	2.47
1090	6	31130	29218	136607	3.14

Glen Ivy Senior Living Project

County of Riverside

Proposed Infiltration/Detention Basin Area A

			Headwater Stage 1	Stage 1 Orifice A=0.02 sf	Headwater Stage 2	Stage 2 Orifice A=0.02 sf	Emergency Spillway	Infiltration Outflow	Total Outflow
Elev (ft)	Depth (ft)	Vol (ac-ft)	Depth (ft)	2ea-2" Opening 1084.5	Depth (ft)	2ea-2" Opening 1086.5	5' Opening 1088.5	Q inf (cfs)	Q total (cfs)
Water Quality Volume = 22,925 cu-ft									
Gravel backfill Void (40%) volume 1 ea x 50 LF - 48" dia. perforated pipes									
Underground storage volume = (23,294 + 1,000) = 24,294 cu-ft >> 22,925 cu-ft....O.K.									
1084	0	0.000	0	0				0.18	0.18
1085	1	0.360	0.5	0.14				0.18	0.32
1086	2	0.810	1.5	0.28	0	0		0.18	0.46
1087	3	1.310	2.5	0.36	0.5	0.14		0.18	0.68
1088	4	1.860	3.5	0.42	1.5	0.28	0	0.18	0.88
1089	5	2.470	4.5	0.48	2.5	0.36	5.3	0.18	6.32
1090	6	3.140	5.5	0.54	3.5	0.42	15	0.18	16.14
Basin bottom Infiltration Outflow is ignored for HCOC calculations.									
HCOC Detention Basin is above Water Quality volume @ elev = 1084									

Rating Table for Circular Orifice - 3" opening @ 1084.5

Project Description

Solve For Discharge

Input Data

Headwater Elevation	0.50	ft
Centroid Elevation	0.00	ft
Tailwater Elevation	0.00	ft
Discharge Coefficient	0.60	
Diameter	0.25	ft

Headwater Elevation (ft)	Discharge (ft ³ /s)	Velocity (ft/s)
0.50	0.17	3.40
1.00	0.24	4.81
1.50	0.29	5.89
2.00	0.33	6.81
2.50	0.37	7.61
3.00	0.41	8.34
3.50	0.44	9.00
4.00	0.47	9.63
4.50	0.50	10.21
5.00	0.53	10.76
5.50	0.55	11.29
6.00	0.58	11.79

Rating Table for Rectangular Weir – Emergency Spillway @ 1088

Project Description

Solve For Discharge

Input Data

Headwater Elevation	1.00	ft
Crest Elevation	0.00	ft
Tailwater Elevation	0.00	ft
Weir Coefficient	3.00	US
Crest Length	5.00	ft
Number Of Contractions	0	

Headwater Elevation (ft)	Discharge (ft ³ /s)	Velocity (ft/s)
1.00	15.00	3.00
2.00	42.43	4.24
3.00	77.94	5.20
4.00	120.00	6.00

HYDRAULIC
Storm Drain System Calculations

Open Channel, Pipe and Inlet program Flow Master V8i by Bentley Inc., Reference 7 was used to determine the street capacity, ditch capacity and inlet sizing.

Main line system: the following assumptions and criteria were used to design the main line system:

1. n = 0.013 for reinforced concrete pipe, n = 0.014 for reinforced concrete box, and n = 0.015 for concrete V-ditch.
2. The minor losses considered in this study are as follows: friction loss, junction loss, transition loss, and manhole loss. In order to minimize junction structure losses, all junctions are inletting the main line at an angle of approximately 45 degrees.

WSPG hydraulic calculations will be used in the design for the principal off site and onsite storm drains to determine the hydraulic gradient elevation for proposed conduit sizes (in final design).

For proposed Storm Drain Pipe system in this stage, the size will be estimated by using peak discharges for 100-year storm event and using normal depth pipe flow capacity (Manning Formula, software program Flow Master V8i by Bentley Inc., Reference 7).

See below Rating Tables for PVC and RCP:

Rating Table for Circular Pipe - Table PVC

Project Description

Friction Method Manning Formula
 Solve For Full Flow Capacity

Input Data

Roughness Coefficient 0.011
 Channel Slope 0.00600 ft/ft
 Normal Depth 1.00 ft
 Diameter 1.00 ft
 Discharge 3.26 ft³/s

Diameter (ft)	Normal Depth (ft)	Discharge (ft ³ /s)	Velocity (ft/s)	Flow Area (ft ²)	Wetted Perimeter (ft)	Top Width (ft)
1.00	1.00	3.26	4.15	0.79	3.14	0.00
1.50	1.50	9.62	5.44	1.77	4.71	0.00
2.00	2.00	20.71	6.59	3.14	6.28	0.00
2.50	2.50	37.55	7.65	4.91	7.85	0.00
3.00	3.00	61.05	8.64	7.07	9.42	0.00
3.50	3.50	92.10	9.57	9.62	11.00	0.00
4.00	4.00	131.49	10.46	12.57	12.57	0.00

Rating Table for Circular Pipe - Table RCP

Project Description

Friction Method Manning Formula
 Solve For Full Flow Capacity

Input Data

Roughness Coefficient 0.013
 Channel Slope 0.00600 ft/ft
 Normal Depth 1.00 ft
 Diameter 1.00 ft
 Discharge 2.76 ft³/s

Diameter (ft)	Normal Depth (ft)	Discharge (ft ³ /s)	Velocity (ft/s)	Flow Area (ft ²)	Wetted Perimeter (ft)	Top Width (ft)
1.00	1.00	2.76	3.51	0.79	3.14	0.00
1.50	1.50	8.14	4.60	1.77	4.71	0.00
2.00	2.00	17.52	5.58	3.14	6.28	0.00
2.50	2.50	31.77	6.47	4.91	7.85	0.00
3.00	3.00	51.66	7.31	7.07	9.42	0.00
3.50	3.50	77.93	8.10	9.62	11.00	0.00
4.00	4.00	111.26	8.85	12.57	12.57	0.00

The Mainline Storm drain sizing: for proposed Storm Drain Pipe system in this stage, the size will be estimated by using peak discharges for 100-year storm event and using normal depth pipe flow capacity

Drainage Area	Area in Acre	Q ₁₀₀ sub-area in cfs	Q ₁₀₀ conf. in cfs	Estimate storm drain pipe slope (%)	Mainline Storm Drain Pipe Size in (inches)	Mainline Storm Drain
Off-site:						
A-1	2.17	5.96		0.006	18" RCP	Line "A"
A-2	2.30	6.09	12.05	0.006	18" RCP	Line "A"
A-3	2.97	7.67	19.72	0.006	24" RCP	Line "A"
A-4	5.47	14.01	33.73	0.006	30" RCP	Line "A"
A-5	1.58	4.06	37.80	0.006	30" RCP	Line "A"
To Confluence with basin outflow						
On-site:						
A-6	0.86	2.65		0.006	12" PVC	Line "A-6"
A-7	2.76	8.22	10.88	0.006	24" PVC	Line "A-7"
A-8	3.44	9.82	20.69	0.006	30" PVC	Line "A-8"
A-9	2.14	6.08	26.77	0.006	18" PVC	Lat. "A-9"
A-10	0.56	1.53	28.31	0.006	30" RCP	Line "A-10"
Total Into Basin:			28.31			
Basin Outflow			5.00		18" RCP	
Project Outfall Storm Drain			42.80	0.01	36" RCP	Line "A"

Conceptual Outfall Storm Drain design for Line A from the project's Southeast corner, into and crossing Temescal Canyon Road flowing east into Coldwater Canyon Wash is included as Figure 4a.

CONCLUSIONS

The development of Glen Ivy Senior Living will provide for grading for the proposed senior living buildings, parking stalls, associated landscaping, infiltration/detention basin area and the construction of a storm drain system that will:

- Safely intercept offsite flows and convey through the site without co-mingling these flows with untreated onsite developed flows.

- Generally maintain the drainage patterns and discharge locations.

- In complying with Santa Ana Region NPDES-MS4 Permit requirements, safely intercept Design Capture Volume and convey onsite developed storm flows to onsite Water Quality Treatment Control Basins.

- Provide emergency by-pass for 100-year storm event without damage the BMPs.

- Control outlet velocities such that downstream erosion potential is minimized and outlet flows are released in a safe manner.

The proposed backbone storm drain systems are designed for the ultimate / proposed condition to convey the 100-year storm event. All necessary drainage easements will be provided as required. A final report will be prepared to accurately document the sizing of proposed storm drain, infiltration basin, catch basins/inlets, and will include storm drain water surface profile calculations to make sure that the system is capable of conveying the 100-year storm event (in final design). The storm drain system design will include water quality BMPs, the various water quality BMPs will provide mitigation as currently proposed and as processed through the County's review and approval process. Potential project impacts related to drainage runoff and water quality will be mitigated in accordance with Riverside County's MS4 Permit requirements.

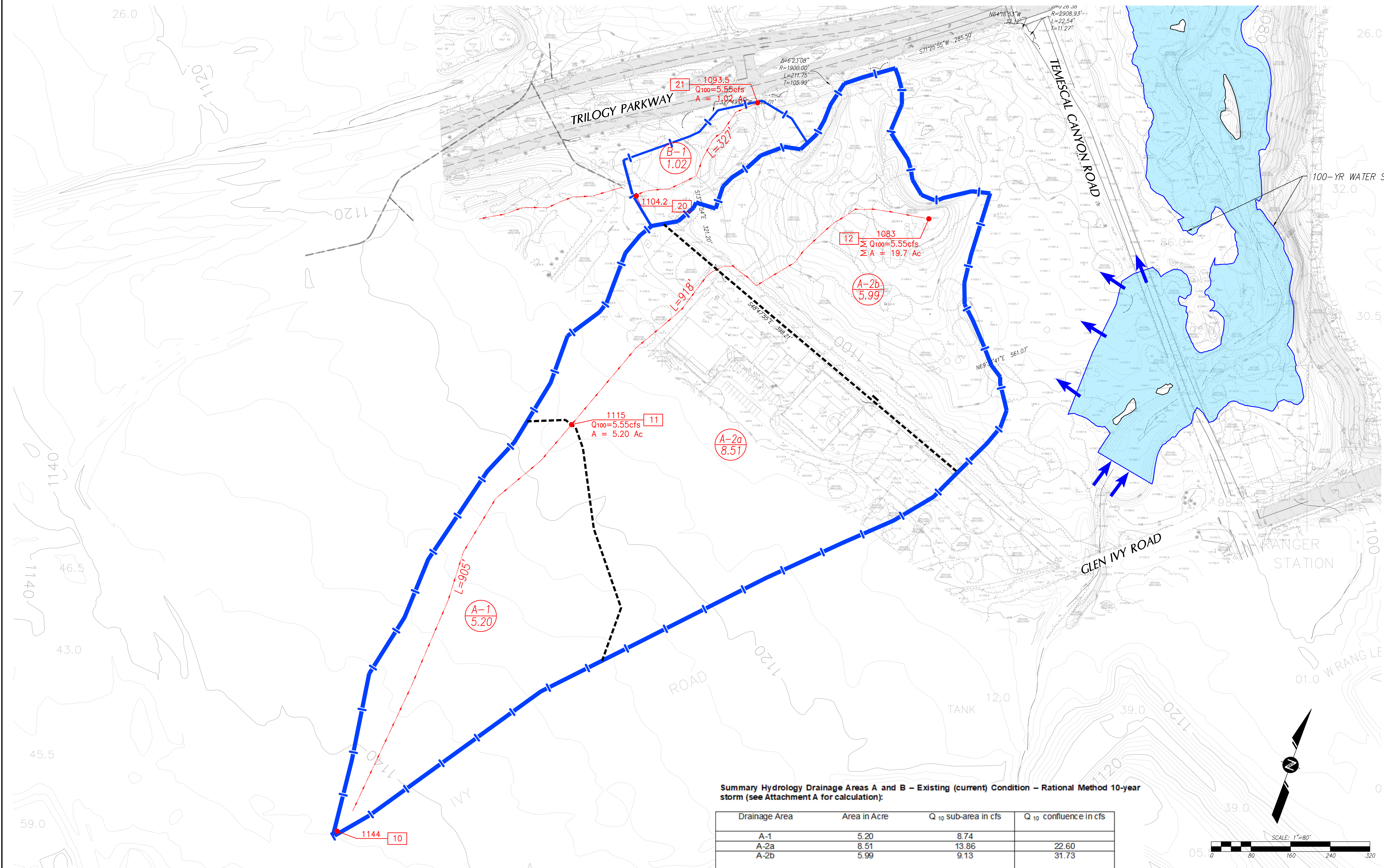
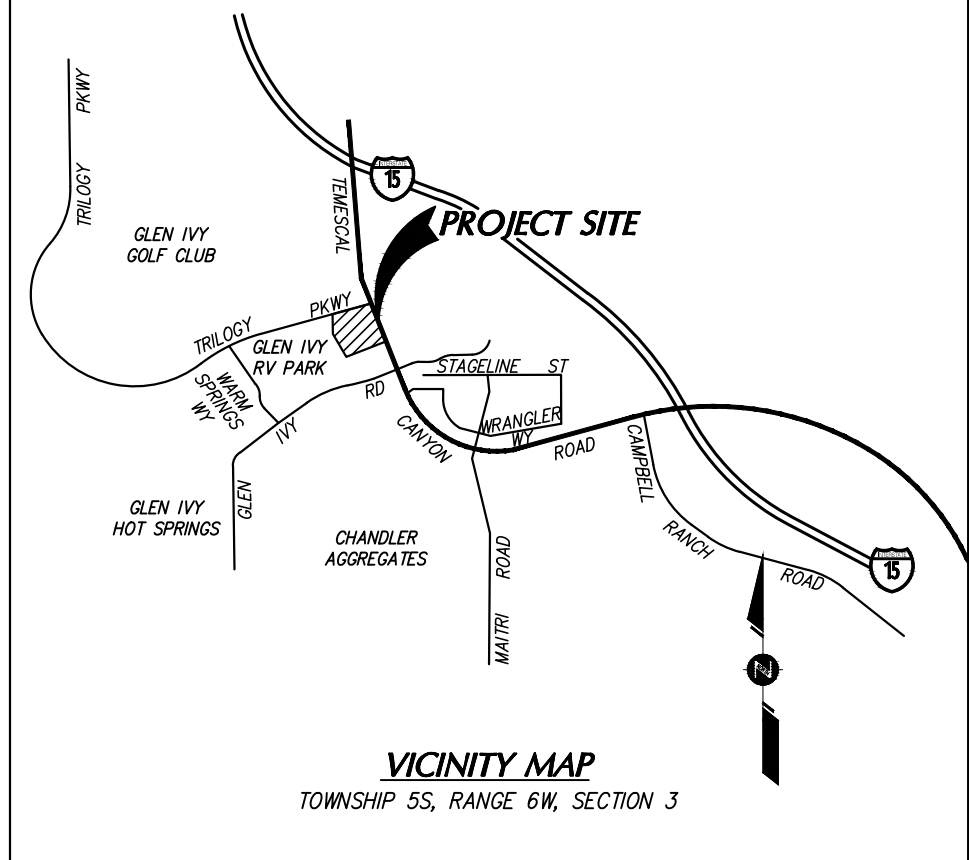
Storm Flows from the proposed project after treatment and mitigation will be conveyed from the project within a proposed storm drain crossing Temescal Canyon Road out letting into Coldwater Canyon Wash within RCFC&WCD property east of the roadway. The proposed project will also be protected from possible floodwater impacts from Coldwater Canyon Wash by a proposed Flood Wall to be constructed along a portion of the projects southerly boundary.

REFERENCES

1. County of Riverside Hydrology Manual, 1978, as incorporated in the Civildesign Rational Method Hydrology Software.
2. CivilCADD/Design Engineering Software, version 7.1.
3. Glen Ivy Senior Living Grading Plan by K&A.
4. County of Riverside Topographic Maps
5. WSPG, Los Angeles County Public Works Water Surface Profile software - Storm Drain Analysis Plus by CivilSoft.
6. Hydraulic Calculations software by Bentley, Flow Master V8i
7. HECRAS Version 4.1.0 U.S. Army Corp of Engineers Hydrologic Engineering Center

FIGURE 2
Hydrology Map
Existing Condition

GLEN IVY SENIOR LIVING

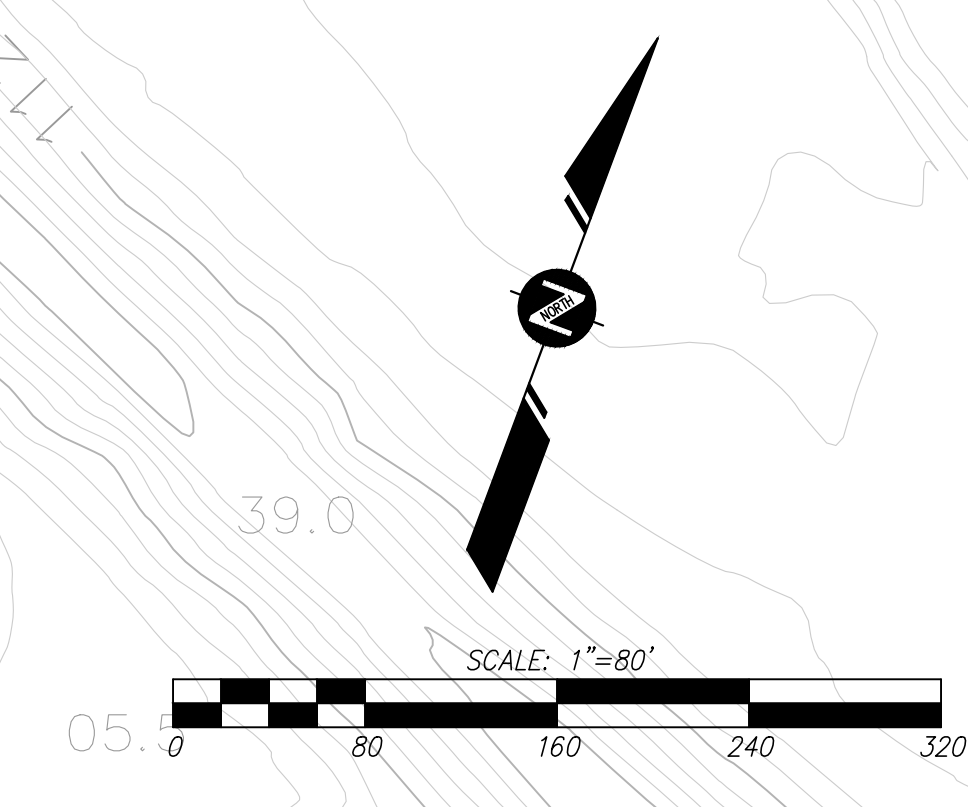


Summary Hydrology Drainage Areas A and B – Existing (current) Condition – Rational Method 10-year storm (see Attachment A for calculation):

Drainage Area	Area in Acre	Q ₁₀ sub-area in cfs	Q ₁₀ confluence in cfs
A-1	5.20	8.74	22.60
A-2a	8.51	13.86	31.73
A-2b	5.99	9.13	
B-1	1.02	1.80	

Summary Hydrology Drainage Areas A and B – Existing (current) Condition – Rational Method 100-year storm (see Attachment A for calculation):

Drainage Area	Area in Acre	Q ₁₀₀ sub-area in cfs	Q ₁₀₀ confluence in cfs
A-1	5.20	13.89	35.64
A-2a	8.51	21.75	50.31
A-2b	5.99	14.68	
B-1	1.02	2.91	



LEGEND

- Drainage Area Boundary
 - Drainage Sub Area Boundary
 - General Surface Flow Direction
 - Flow Length
 - Drainage Sub Area A Designation
 - Sub Area Acreage
 - Node Elevation
 - Hydrology Node Number
 - Cumulative Flow
 - Cumulative Areas
- Soil Type: Majority Soil Type B and C

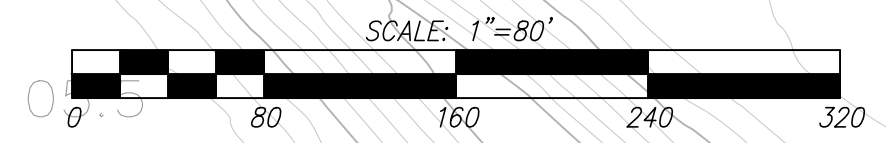
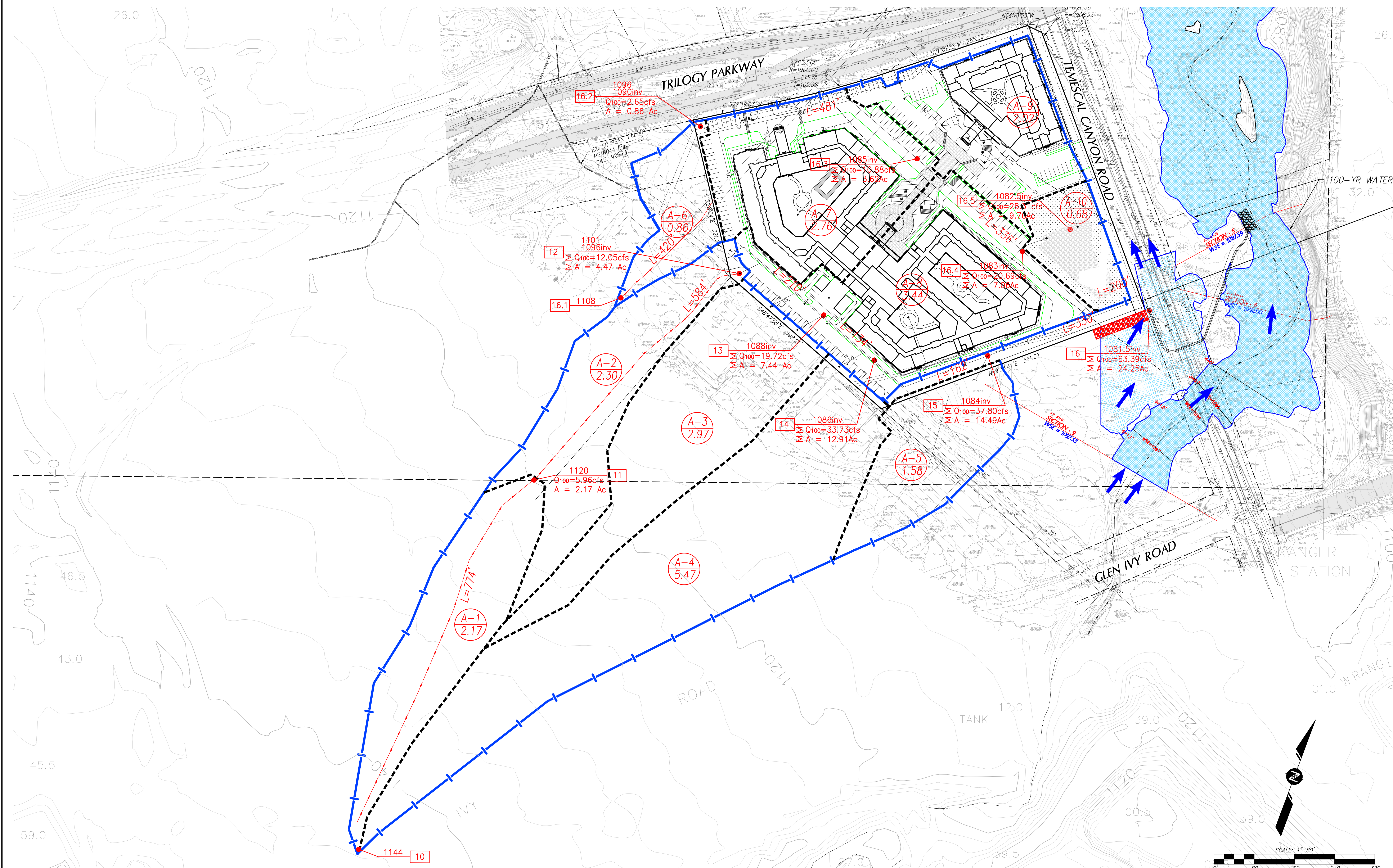
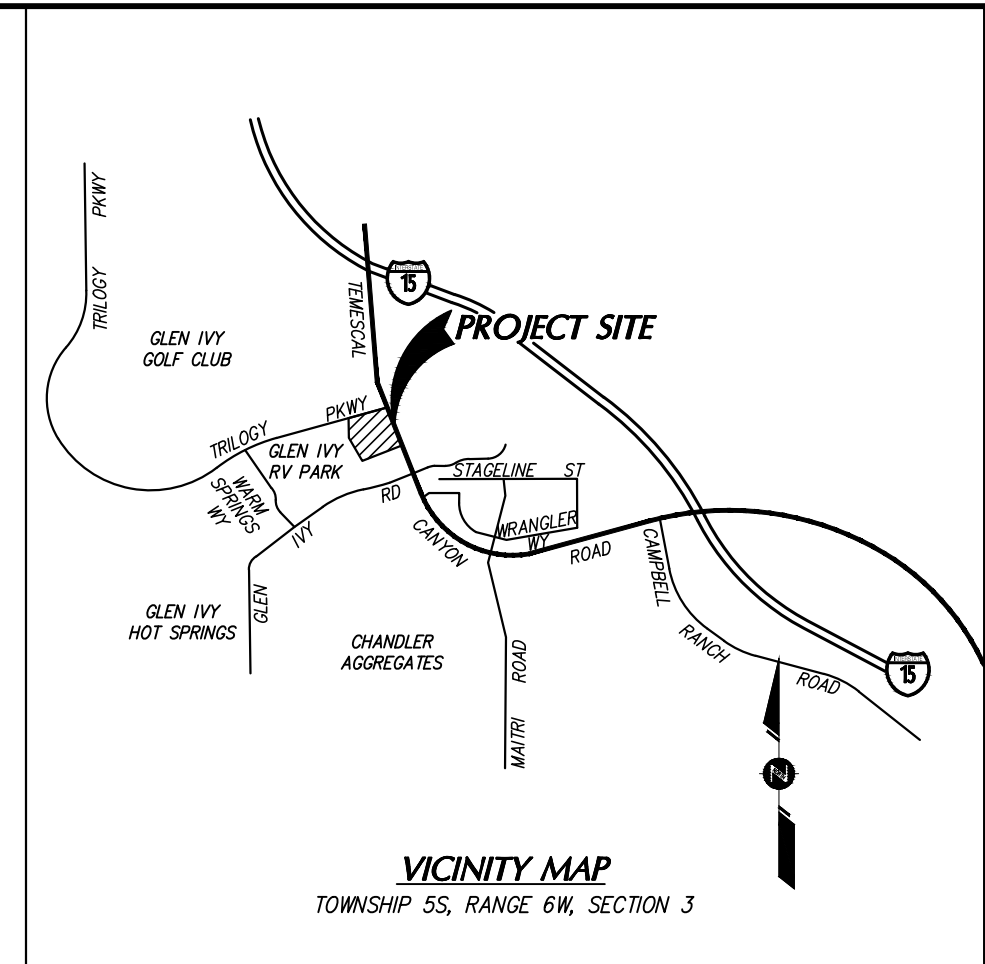
EXISTING CONDITION
FIGURE 2

<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>MARK</th> <th>BY</th> <th>DATE</th> <th>REVISIONS</th> <th>APPR.</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	MARK	BY	DATE	REVISIONS	APPR.	DATE							<p>SEAL-ENGINEER</p>	<p>K&A ENGINEERING LAND PLANNING SURVEYING</p> <p>357 N. SHERIDAN STREET SUITE 117 CORONA, CALIFORNIA 92880 TEL. (951) 279-1800 FAX (951) 279-4380</p>	<p>BENCHMARK:</p> <p>FOR:</p> <p>W.O.</p> <p>COUNTY FILE NO.</p>	<p>PREPARED BY:</p> <p>JAMES R. BOLTON R.C.E. NO. 30236 DATE:</p>	<p>SCALE: AS SHOWN</p>	<p>SHEET NO. 1 OF 1 SHTS</p>
MARK	BY	DATE	REVISIONS	APPR.	DATE													

Drawn: R. J. B. 10/12/2020 1:58 PM Plot: 10/12/2020 1:58 PM By: jrbolton

FIGURE 3
Hydrology Map
Proposed Condition

GLEN IVY SENIOR LIVING



LEGEND

- Drainage Area Boundary
- Drainage Sub Area Boundary
- General Surface Flow Direction
- Flow Length
- Drainage Sub Area A Designation
- Sub Area Acreage
- Node Elevation
- Hydrology Node Number
- Cumulative Flow
- Cumulative Areas
- Soil Type: Majority Soil Type B and C

Summary Hydrology Drainage Area A - Proposed Condition - Rational Method 10-year storm (see Attachment B for calculation):

Drainage Area	Area in Acre	Q ₁₀ Sub-area in cfs	Q ₁₀ confluence in cfs	Total Area in Acre
Off-site:				
A-1	2.17	3.76	3.89	4.47
A-2	2.30	3.89	7.64	7.44
A-3	2.97	4.86	12.51	12.91
A-4	5.47	8.87	21.38	14.49
A-5	1.58	2.59	23.97	14.49
On-site:				
A-6	0.86	1.67	6.92	3.62
A-7	2.76	5.24	13.15	7.06
A-8	3.44	6.23	17.96	9.20
A-9	2.14	3.86	17.96	9.76
A-10	0.56	0.95	17.96	9.76
	Total =	40.27		24.25

Summary Hydrology Drainage Area A - Proposed Condition - Rational Method 100-year storm (see Attachment B for calculation):

Drainage Area	Area in Acre	Q ₁₀₀ Sub-area in cfs	Q ₁₀₀ confluence in cfs	Total Area in Acre
Off-site:				
A-1	2.17	5.96	6.09	4.47
A-2	2.30	6.09	12.05	7.44
A-3	2.97	7.67	19.72	12.91
A-4	5.47	14.01	33.73	14.49
A-5	1.58	4.06	37.80	14.49
On-site:				
A-6	0.86	2.65	10.88	3.62
A-7	2.76	8.22	20.69	7.06
A-8	3.44	9.82	26.77	9.20
A-9	2.14	6.08	28.31	9.76
A-10	0.56	1.53	28.31	9.76
	Total =	63.39		24.25

SEAL-ENGINEER

MARK BY DATE ENGINEER

REVISIONS

APPR. DATE COUNTY

ENGINEERING LAND PLANNING SURVEYING

K&A Engineering, Inc.

357 N. SHERIDAN STREET SUITE 117 CORONA, CALIFORNIA 92880 TEL. (951) 279-1800 FAX (951) 279-4380

PREPARED BY: JAMES R. BOLTON

R.C.E. NO. 30236 DATE:

BENCHMARK:

SCALE: AS SHOWN

COUNTY OF RIVERSIDE
GLEN IVY SENIOR LIVING
GLEN IVY PROPERTIES, LLC

HYDROLOGY MAP

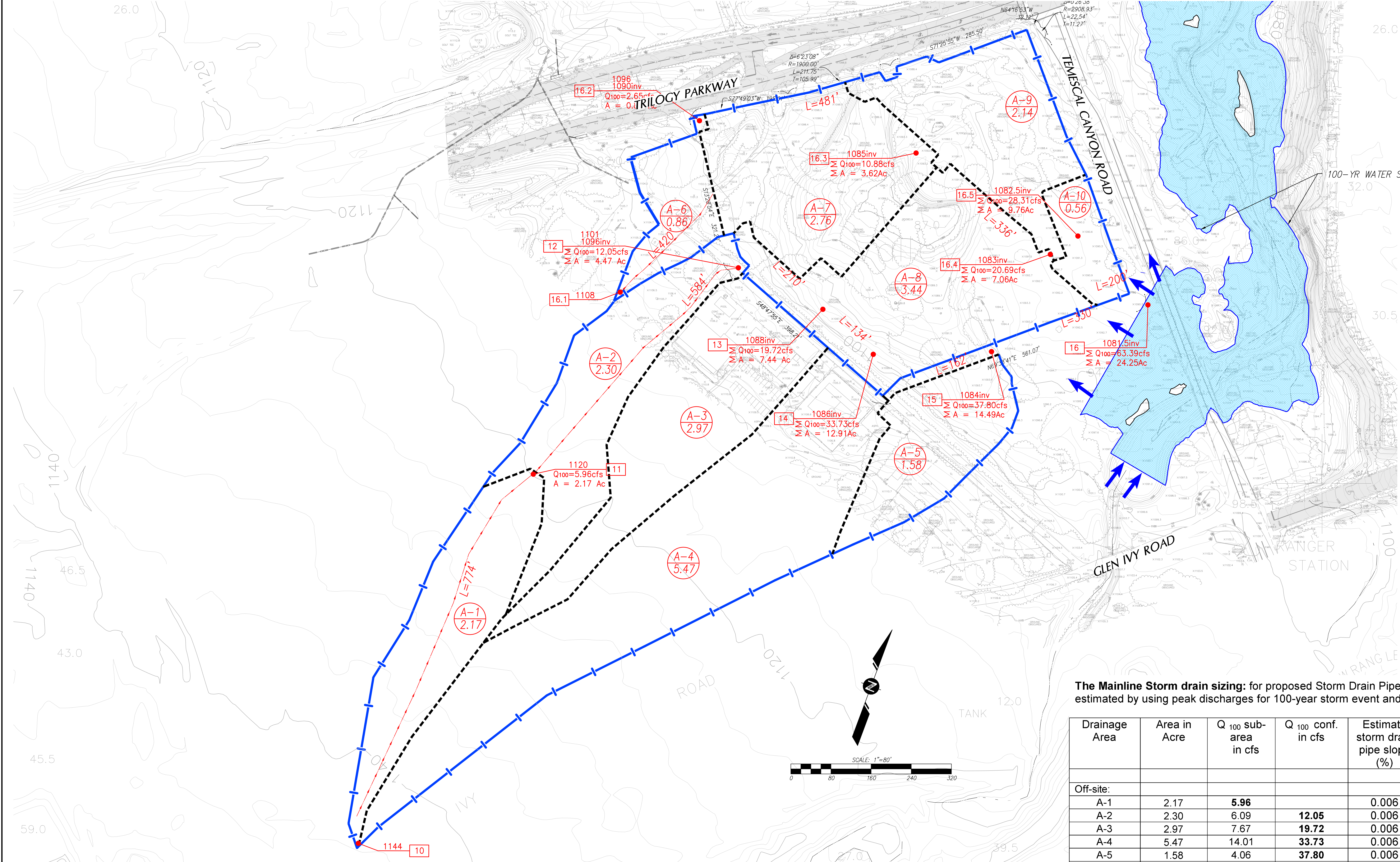
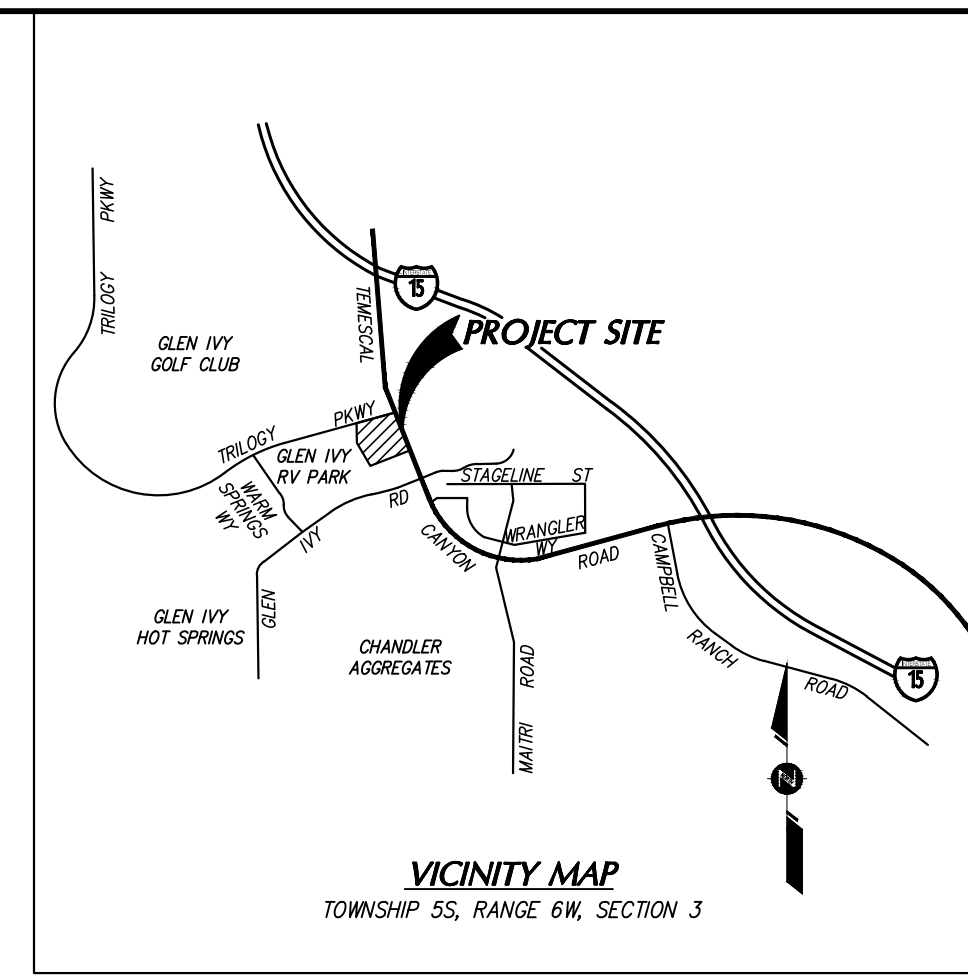
SHEET NO. 1
OF 1 SHTS

FOR: W.O. COUNTY FILE NO.

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FIGURE 4
Storm Drain Facility Map

GLEN IVY SENIOR LIVING



The Mainline Storm drain sizing: for proposed Storm Drain Pipe system in this stage, the size will be estimated by using peak discharges for 100-year storm event and using normal depth pipe flow capacity

Drainage Area	Area in Acre	Q ₁₀₀ sub-area in cfs	Q ₁₀₀ conf. in cfs	Estimate storm drain pipe slope (%)	Mainline Storm Drain Pipe Size in (inches)	Mainline Storm Drain
Off-site:						
A-1	2.17	5.96		0.006	18" RCP	Line "A"
A-2	2.30	6.09	12.05	0.006	18" RCP	Line "A"
A-3	2.97	7.67	19.72	0.006	24" RCP	Line "A"
A-4	5.47	14.01	33.73	0.006	30" RCP	Line "A"
A-5	1.58	4.06	37.80	0.006	30" RCP	Line "A"
On-site:						
A-6	0.86	2.65		0.006	12" PVC	Line "A-6"
A-7	2.76	8.22	10.88	0.006	24" PVC	Line "A-7"
A-8	3.44	9.82	20.69	0.006	30" PVC	Line "A-8"
A-9	2.14	6.08	26.77	0.006	18" PVC	Lat. "A-9"
A-10	0.56	1.53	28.31	0.006	30" RCP	Line "A-10"
		Total =	63.39	0.006	42" RCP	Line "A"

Summary Hydrology Drainage Area A - Proposed Condition - Rational Method 10-year storm (see Attachment B for calculation):

Drainage Area	Area in Acre	Q ₁₀ Sub-area in cfs	Q ₁₀ confluence in cfs	Total Area In Acre
Off-site:				
A-1	2.17	3.76		4.47
A-2	2.30	3.99	7.64	7.44
A-3	2.97	4.96	12.51	7.44
A-4	5.47	8.87	21.38	12.91
A-5	1.58	2.59	23.97	14.49
On-site:				
A-6	0.86	1.67		3.62
A-7	2.76	5.24	6.92	3.62
A-8	3.44	6.23	13.15	7.06
A-9	2.14	3.86	17.01	9.20
A-10	0.56	0.95	17.96	9.76
	Total =		40.27	24.25

Summary Hydrology Drainage Area A - Proposed Condition - Rational Method 100-year storm (see Attachment B for calculation):

Drainage Area	Area in Acre	Q ₁₀₀ Sub-area in cfs	Q ₁₀₀ confluence in cfs	Total Area In Acre
Off-site:				
A-1	2.17	5.96		4.47
A-2	2.30	6.09	12.05	4.47
A-3	2.97	7.67	19.72	7.44
A-4	5.47	14.01	33.73	12.91
A-5	1.58	4.06	37.80	14.49
On-site:				
A-6	0.86	2.65		3.62
A-7	2.76	8.22	10.88	3.62
A-8	3.44	9.82	20.69	7.06
A-9	2.14	6.08	26.77	9.20
A-10	0.56	1.53	28.31	9.76
	Total =		63.39	24.25

LEGEND

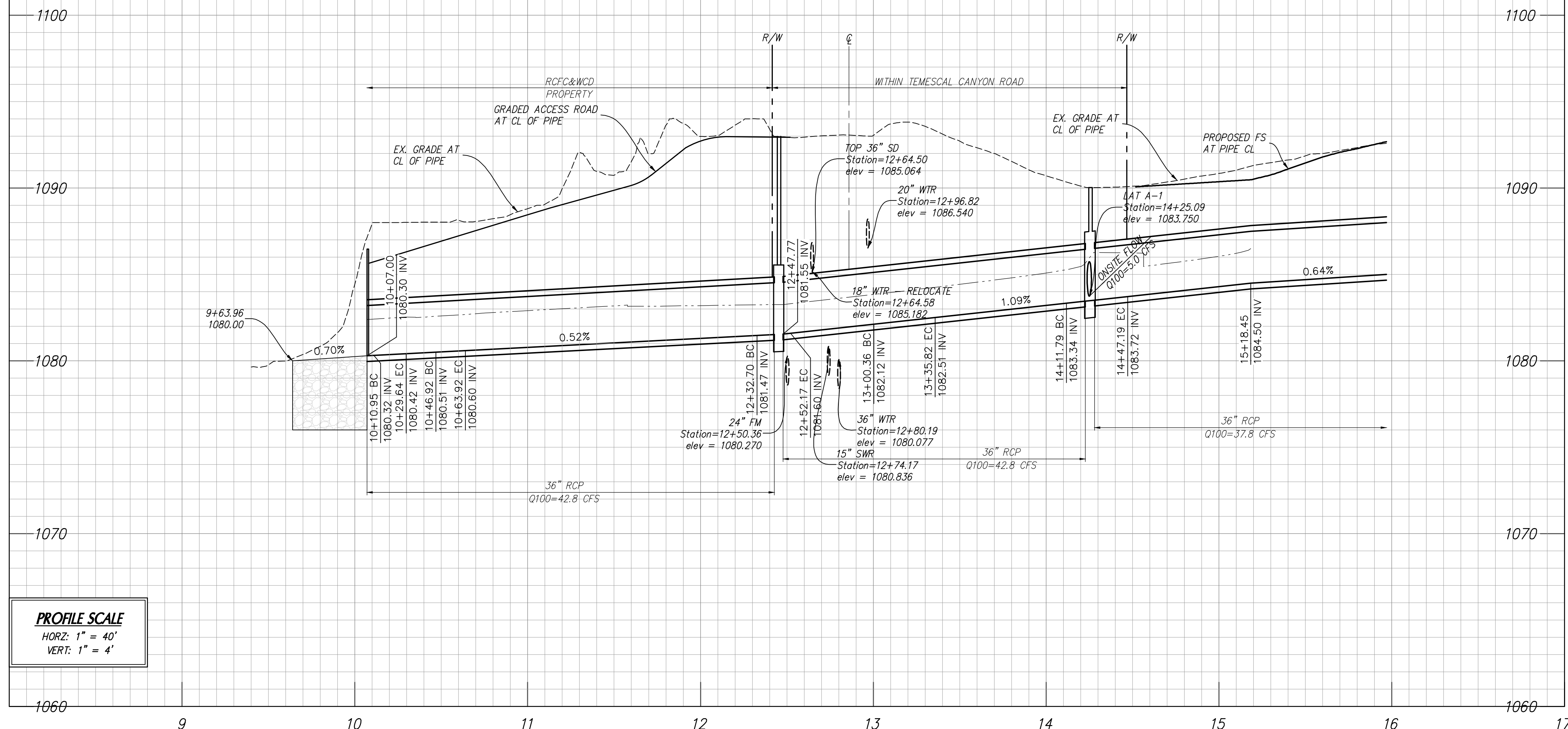
- Drainage Area Boundary
- Drainage Sub Area Boundary
- General Surface Flow Direction
- Flow Length
- Drainage Sub Area A Designation
- Sub Area Acreage
- Node Elevation
- Hydrology Node Number
- Cumulative Flow
- Cumulative Areas

Soil Type: Majority Soil Type B and C

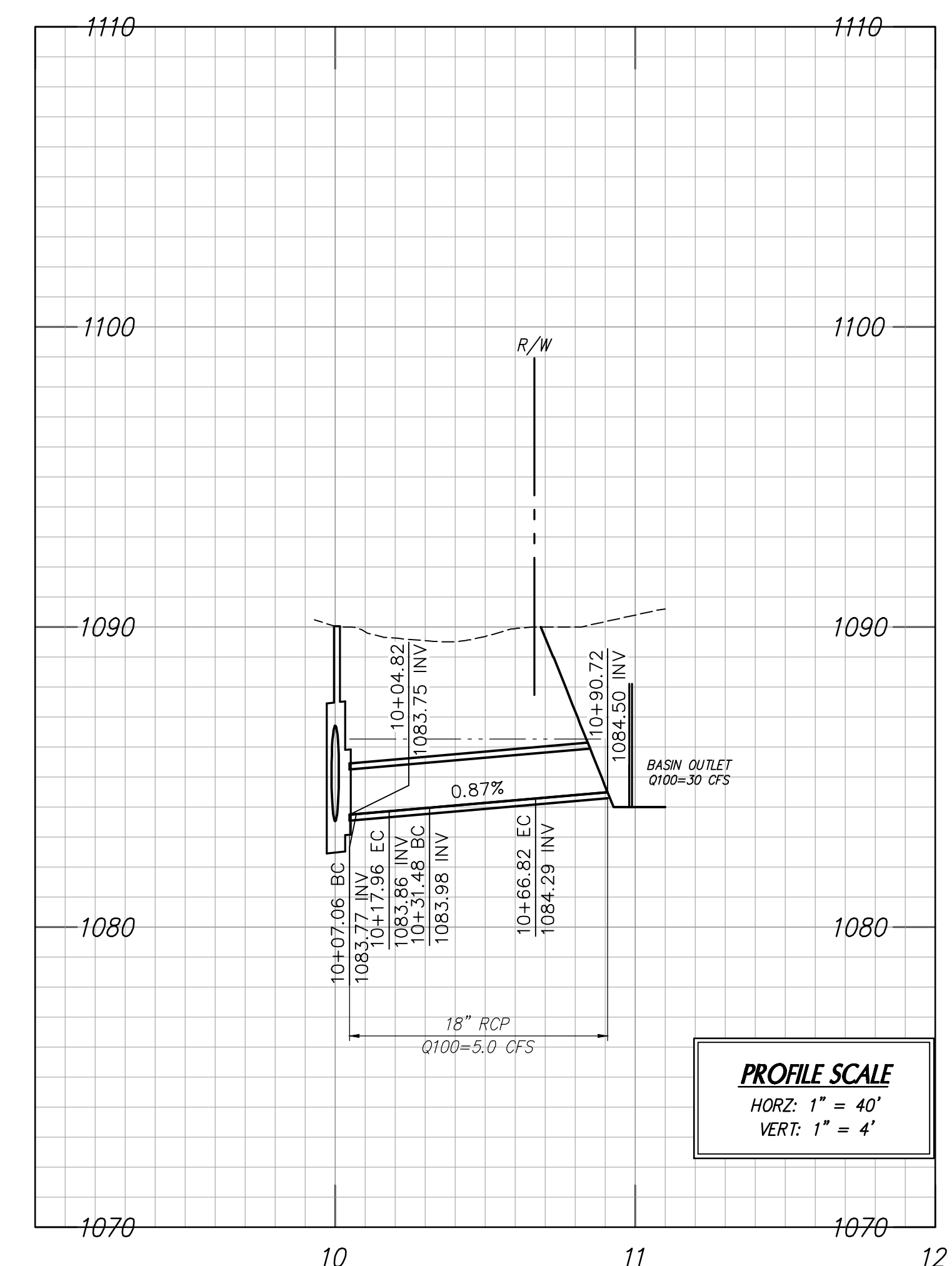
MARK BY DATE	REVISIONS	APPR. DATE	SEAL-ENGINEER		ENGINEERING LAND PLANNING SURVEYING 357 N. SHERIDAN STREET SUITE 117 CORONA, CALIFORNIA 92880 TEL. (951) 279-1800 FAX (951) 279-4380	BENCHMARK:	COUNTY OF RIVERSIDE GLEN IVY SENIOR LIVING GLEN IVY PROPERTIES, LLC. STORM DRAIN FACILITIES MAP	SHEET NO. 1
ENGINEER	COUNTY	DATE	PREPARED BY: JAMES R. BOLTON			R.C.E. NO. 30236 DATE:		SCALE: AS SHOWN

FIGURE 4

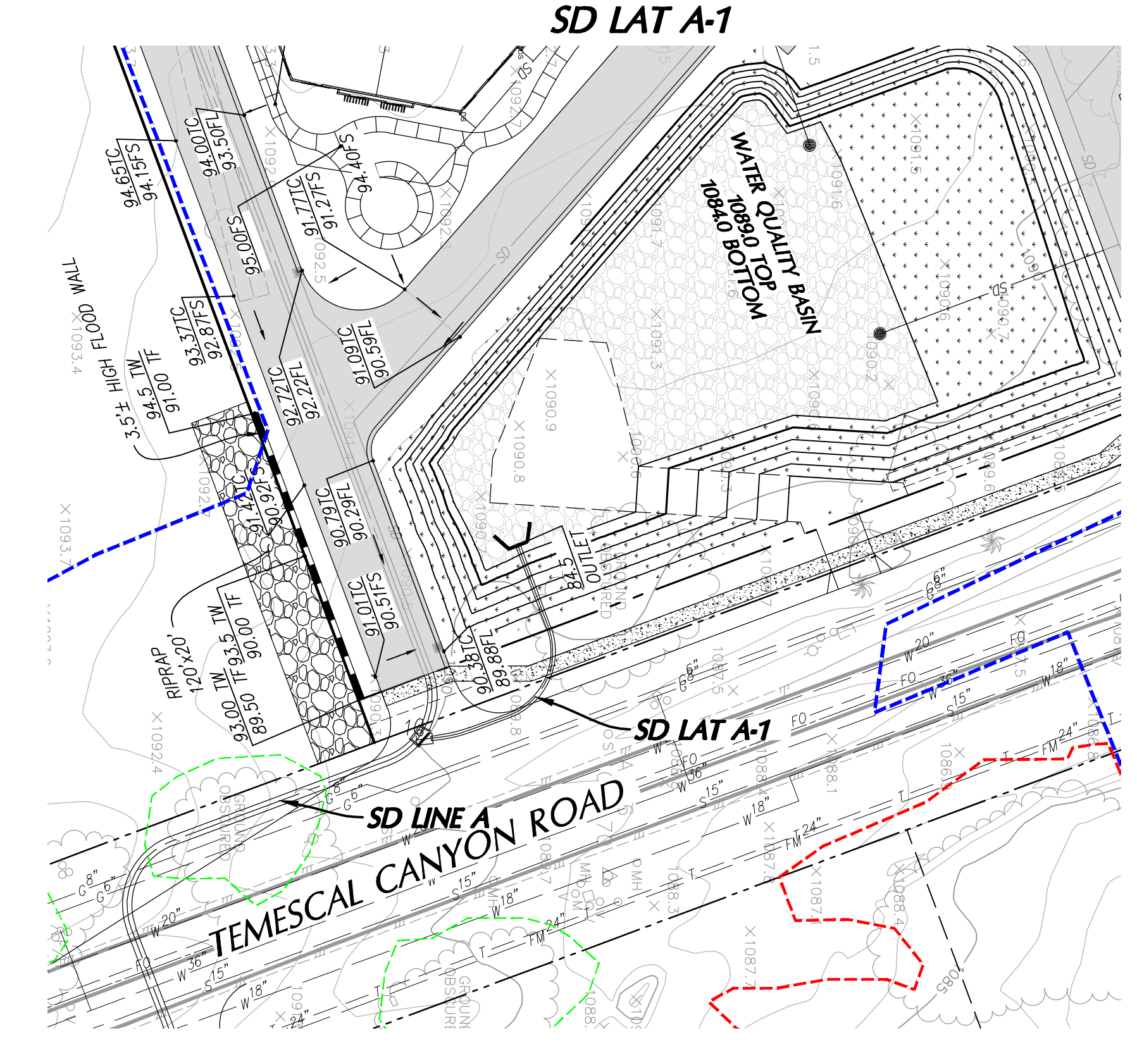
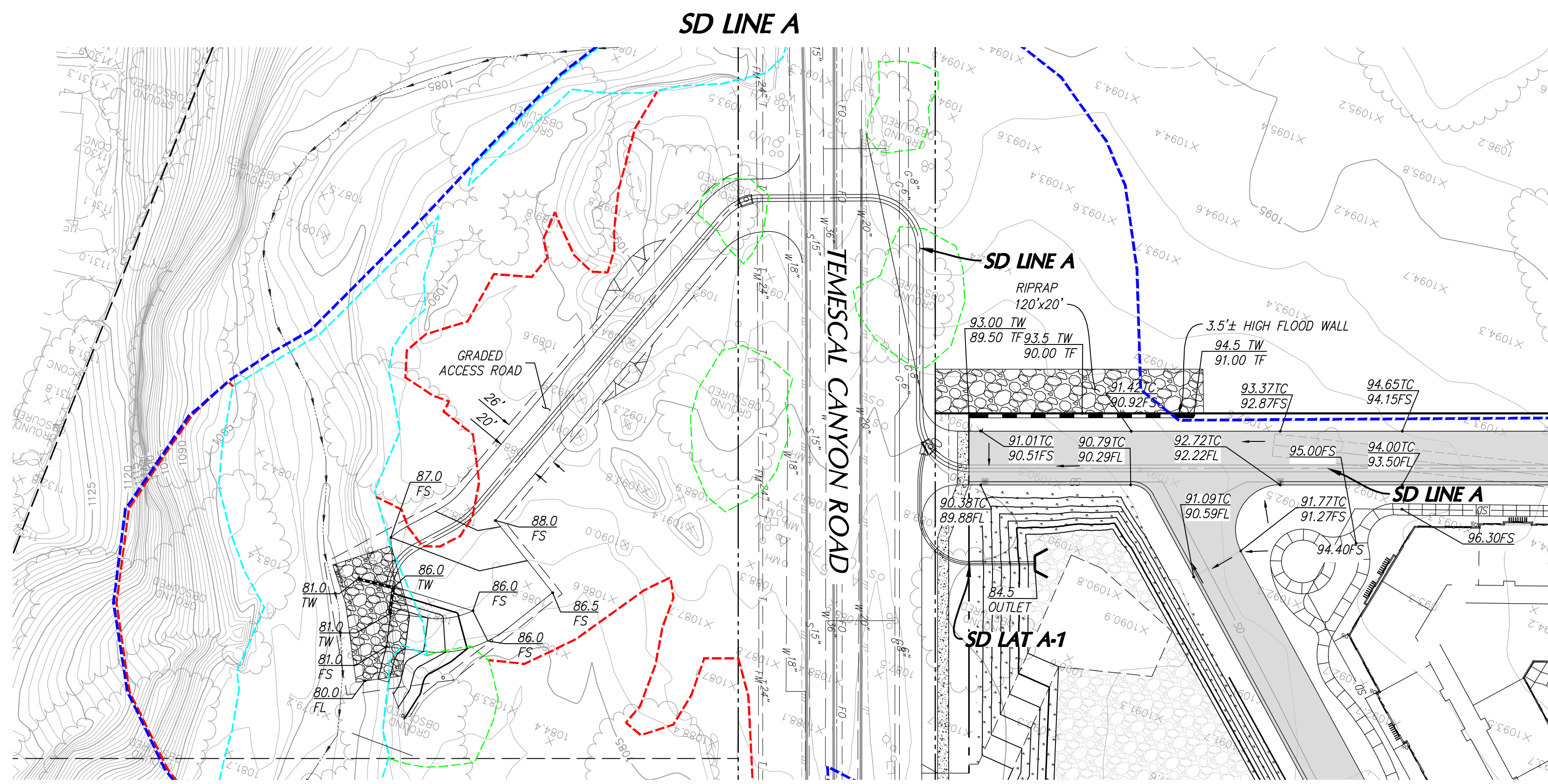
FIGURE 4a
Outfall Storm Drain – Conceptual Plan



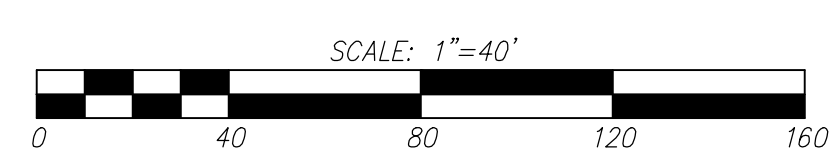
PROFILE SCALE
 HORZ: 1" = 40'
 VERT: 1" = 4'



PROFILE SCALE
 HORZ: 1" = 40'
 VERT: 1" = 4'



- JURISDICTIONAL DELINEATION**
- STUDY AREA BNDY
 - ALLUVIAL FAN SAGE SCRUB
 - STREAMBED
 - OAK WOODLAND



PREPARED BY:
KA ENGINEERING
 LAND PLANNING
 SURVEYING
 Engineering, Inc.
 357 N. SHERIDAN STREET
 SUITE 117
 CORONA, CALIFORNIA 92878
 TEL. (951) 279-1800
 FAX (951) 279-4380

**STORM DRAIN
 OUTLET EXHIBIT**

Glen Ivy Senior Living Figure 4b – WSPG Calculations

T1 Senior Housing - Glen Ivy 0
T2 100YR STORM, Basin Outlet Maximum = 5.01 cfs
T3 Temescal Creek, WSE=1087.59 at 100-year flood

SO	1000.0001080.20	1						1087.590		
R	1010.9501080.260	1								
R	1029.6401080.360	1							.000	.000 0
R	1046.9201080.460	1								
R	1063.9201080.550	1								
R	1232.7001081.470	1								
R	1247.7701081.550	1								
R	1252.1701081.600	1								
R	1300.3601082.120	1								
R	1335.8201082.510	1								
R	1411.7901083.340	1								
R	1422.0001083.450	1							.000	.000 0
JX	1427.5001083.510	1	2		.013	5.010		1083.750	75.6	.000
R	1447.1901083.720	1			.013				.000	.000 0
R	1518.4501084.500	1			.013					
SH	1518.4501084.500	1						1084.460		
CD	1	4	1		.000	3.000		.000	.000	.00
CD	2	4	1		.000	2.500		.000	.000	.00
CD	3	4	1		.000	2.000		.000	.000	.00
CD	4	3	0		.000	4.500	14.000	.000	.000	.00
Q					37.800	.0				

Glen Ivy Senior Living

Figure 4b – WSPG Calculations

FILE: shoutlet.WSW

W S P G W - CIVILDESIGN Version 14.06
 Program Package Serial Number: 1478
 WATER SURFACE PROFILE LISTING

PAGE 1

Date: 3-30-2021 Time: 5:19:32

Senior Housing - Glen Ivy
 100YR STORM, Basin Outlet Maximum = 5.01 cfs
 Temescal Creek, WSE=1087.59 at 100-year flood

```

*****
Station | Invert | Depth | Water | Q | Vel | Vel | Energy | Super | Critical | Flow Top | Height/ | Base Wt | | No Wth
      | Elev   | (FT)  | Elev   | (CFS) | (FPS) | Head | Grd.El. | Elev | Depth | Width | Dia.-FT | or I.D. | ZL | Prs/Pip
L/Elem | Ch Slope | | | | | | | | | | | | | | |
*****|*****|*****|*****|*****|*****|*****|*****|*****|*****|*****|*****|*****|*****|*****
1000.000 | 1080.200 | 2.131 | 1082.331 | 42.81 | 7.97 | .99 | 1083.32 | .00 | 2.13 | 2.72 | 3.000 | .000 | .00 | 1 | .0
      | | | | | | | | | | | | | | | |
      8.511 | .0055 | | | | | | | | | | | | | | |
1008.511 | 1080.247 | 2.157 | 1082.404 | 42.81 | 7.87 | .96 | 1083.37 | .00 | 2.13 | 2.70 | 3.000 | .000 | .00 | 1 | .0
      | | | | | | | | | | | | | | | |
      2.439 | .0055 | | | | | | | | | | | | | | |
1010.950 | 1080.260 | 2.157 | 1082.417 | 42.81 | 7.87 | .96 | 1083.38 | .00 | 2.13 | 2.70 | 3.000 | .000 | .00 | 1 | .0
      | | | | | | | | | | | | | | | |
      18.690 | .0053 | | | | | | | | | | | | | | |
1029.640 | 1080.360 | 2.178 | 1082.538 | 42.81 | 7.79 | .94 | 1083.48 | .00 | 2.13 | 2.68 | 3.000 | .000 | .00 | 1 | .0
      | | | | | | | | | | | | | | | |
      5.687 | .0058 | | | | | | | | | | | | | | |
1035.327 | 1080.393 | 2.131 | 1082.524 | 42.81 | 7.97 | .99 | 1083.51 | .00 | 2.13 | 2.72 | 3.000 | .000 | .00 | 1 | .0
      | | | | | | | | | | | | | | | |
HYDRAULIC JUMP
1035.327 | 1080.393 | 2.113 | 1082.506 | 42.81 | 8.05 | 1.01 | 1083.51 | .00 | 2.13 | 2.74 | 3.000 | .000 | .00 | 1 | .0
      | | | | | | | | | | | | | | | |
      6.242 | .0058 | | | | | | | | | | | | | | |
1041.569 | 1080.429 | 2.113 | 1082.542 | 42.81 | 8.05 | 1.01 | 1083.55 | .00 | 2.13 | 2.74 | 3.000 | .000 | .00 | 1 | .0
      | | | | | | | | | | | | | | | |
      5.351 | .0058 | | | | | | | | | | | | | | |
1046.920 | 1080.460 | 2.131 | 1082.591 | 42.81 | 7.97 | .99 | 1083.58 | .00 | 2.13 | 2.72 | 3.000 | .000 | .00 | 1 | .0
      | | | | | | | | | | | | | | | |
      17.000 | .0053 | | | | | | | | | | | | | | |
1063.920 | 1080.550 | 2.131 | 1082.681 | 42.81 | 7.97 | .99 | 1083.67 | .00 | 2.13 | 2.72 | 3.000 | .000 | .00 | 1 | .0
      | | | | | | | | | | | | | | | |
      10.002 | .0055 | | | | | | | | | | | | | | |
  
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Glen Ivy Senior Living

Figure 4b – WSPG Calculations

FILE: shoutlet.WSW

W S P G W - CIVILDESIGN Version 14.06
 Program Package Serial Number: 1478
 WATER SURFACE PROFILE LISTING

PAGE 2

Date: 3-30-2021 Time: 5:19:32

Senior Housing - Glen Ivy
 100YR STORM, Basin Outlet Maximum = 5.01 cfs
 Temescal Creek, WSE=1087.59 at 100-year flood

```

*****
Station | Invert | Depth | Water | Q | Vel | Vel | Energy | Super | Critical | Flow Top | Height/ | Base Wt | | No Wth
      | Elev   | (FT)  | Elev   | (CFS) | (FPS) | Head | Grd.El. | Elev | Depth | Width | Dia.-FT | or I.D. | ZL | Prs/Pip
L/Elem | Ch Slope | | | | | | | | | | | | | | |
*****|*****|*****|*****|*****|*****|*****|*****|*****|*****|*****|*****|*****|*****|*****
1073.922 | 1080.605 | 2.163 | 1082.767 | 42.81 | 7.85 | .96 | 1083.72 | .00 | 2.13 | 2.69 | 3.000 | .000 | .00 | 1 | .0
      | | | | | | | | | | | | | | | |
      83.942 | .0055 | | | | | | | | | | | | | | |
1157.864 | 1081.062 | 2.163 | 1083.225 | 42.81 | 7.85 | .96 | 1084.18 | .00 | 2.13 | 2.69 | 3.000 | .000 | .00 | 1 | .0
      | | | | | | | | | | | | | | | |
HYDRAULIC JUMP
1157.864 | 1081.062 | 2.093 | 1083.155 | 42.81 | 8.13 | 1.03 | 1084.18 | .00 | 2.13 | 2.76 | 3.000 | .000 | .00 | 1 | .0
      | | | | | | | | | | | | | | | |
      1.310 | .0055 | | | | | | | | | | | | | | |
1159.174 | 1081.069 | 2.093 | 1083.162 | 42.81 | 8.13 | 1.03 | 1084.19 | .00 | 2.13 | 2.76 | 3.000 | .000 | .00 | 1 | .0
      | | | | | | | | | | | | | | | |
      17.507 | .0055 | | | | | | | | | | | | | | |
1176.681 | 1081.165 | 2.005 | 1083.170 | 42.81 | 8.53 | 1.13 | 1084.30 | .00 | 2.13 | 2.82 | 3.000 | .000 | .00 | 1 | .0
      | | | | | | | | | | | | | | | |
      19.105 | .0055 | | | | | | | | | | | | | | |
1195.786 | 1081.269 | 1.924 | 1083.192 | 42.81 | 8.94 | 1.24 | 1084.43 | .00 | 2.13 | 2.88 | 3.000 | .000 | .00 | 1 | .0
      | | | | | | | | | | | | | | | |
      18.775 | .0055 | | | | | | | | | | | | | | |
1214.561 | 1081.371 | 1.847 | 1083.218 | 42.81 | 9.38 | 1.37 | 1084.58 | .00 | 2.13 | 2.92 | 3.000 | .000 | .00 | 1 | .0
      | | | | | | | | | | | | | | | |
      18.139 | .0055 | | | | | | | | | | | | | | |
1232.700 | 1081.470 | 1.774 | 1083.244 | 42.81 | 9.84 | 1.50 | 1084.75 | .00 | 2.13 | 2.95 | 3.000 | .000 | .00 | 1 | .0
      | | | | | | | | | | | | | | | |
      15.070 | .0053 | | | | | | | | | | | | | | |
1247.770 | 1081.550 | 1.713 | 1083.263 | 42.81 | 10.26 | 1.64 | 1084.90 | .00 | 2.13 | 2.97 | 3.000 | .000 | .00 | 1 | .0
      | | | | | | | | | | | | | | | |
      4.400 | .0113 | | | | | | | | | | | | | | |
  
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Glen Ivy Senior Living

Figure 4b – WSPG Calculations

FILE: shoutlet.WSW

W S P G W - CIVILDESIGN Version 14.06
 Program Package Serial Number: 1478
 WATER SURFACE PROFILE LISTING

PAGE 3

Date: 3-30-2021 Time: 5:19:32

Senior Housing - Glen Ivy
 100YR STORM, Basin Outlet Maximum = 5.01 cfs
 Temescal Creek, WSE=1087.59 at 100-year flood

Station	Invert Elev	Depth (FT)	Water Elev	Q (CFS)	Vel (FPS)	Vel Head	Energy Grd.El.	Super Elev	Critical Depth	Flow Top Width	Height/Dia.-FT	Base Wt/ I.D.	No ZL	Wth Prs/Pip
L/Elem	Ch Slope					SF Ave	HF	SE Dpth	Froude N	Norm Dp	"N"	X-Fall	ZR	Type Ch
1252.170	1081.600	1.715	1083.315	42.81	10.25	1.63	1084.95	.00	2.13	2.97	3.000	.000	.00	1 .0
48.190	.0108					.0105	.51	1.71	1.52	1.71	.013	.00	.00	PIPE
1300.360	1082.120	1.725	1083.845	42.81	10.18	1.61	1085.45	.00	2.13	2.97	3.000	.000	.00	1 .0
35.460	.0110					.0102	.36	1.73	1.51	1.70	.013	.00	.00	PIPE
1335.820	1082.510	1.748	1084.258	42.81	10.01	1.56	1085.81	.00	2.13	2.96	3.000	.000	.00	1 .0
32.356	.0109					.0097	.31	1.75	1.47	1.70	.013	.00	.00	PIPE
1368.176	1082.863	1.785	1084.649	42.81	9.76	1.48	1086.13	.00	2.13	2.95	3.000	.000	.00	1 .0
29.226	.0109					.0088	.26	1.79	1.41	1.70	.013	.00	.00	PIPE
1397.402	1083.183	1.858	1085.041	42.81	9.31	1.35	1086.39	.00	2.13	2.91	3.000	.000	.00	1 .0
14.388	.0109					.0078	.11	1.86	1.31	1.70	.013	.00	.00	PIPE
1411.790	1083.340	1.936	1085.276	42.81	8.87	1.22	1086.50	.00	2.13	2.87	3.000	.000	.00	1 .0
2.364	.0108					.0072	.02	1.94	1.21	1.71	.013	.00	.00	PIPE
1414.154	1083.365	1.955	1085.321	42.81	8.77	1.20	1086.52	.00	2.13	2.86	3.000	.000	.00	1 .0
6.105	.0108					.0067	.04	1.96	1.18	1.71	.013	.00	.00	PIPE
1420.260	1083.431	2.040	1085.471	42.81	8.37	1.09	1086.56	.00	2.13	2.80	3.000	.000	.00	1 .0
1.740	.0108					.0060	.01	2.04	1.09	1.71	.013	.00	.00	PIPE
1422.000	1083.450	2.131	1085.581	42.81	7.97	.99	1086.57	.00	2.13	2.72	3.000	.000	.00	1 .0
JUNCT STR	.0109					.0042	.02	2.13	1.00		.013	.00	.00	PIPE

Glen Ivy Senior Living

Figure 4b – WSPG Calculations

FILE: shoutlet.WSW

W S P G W - CIVILDESIGN Version 14.06
 Program Package Serial Number: 1478
 WATER SURFACE PROFILE LISTING

PAGE 4

Date: 3-30-2021 Time: 5:19:32

Senior Housing - Glen Ivy
 100YR STORM, Basin Outlet Maximum = 5.01 cfs
 Temescal Creek, WSE=1087.59 at 100-year flood

Station	Invert Elev	Depth (FT)	Water Elev	Q (CFS)	Vel (FPS)	Vel Head	Energy Grd.El.	Super Elev	Critical Depth	Flow Top Width	Height/Dia.-FT	Base Wt or I.D.	No ZL	Wth Prs/Pip
L/Elem	Ch Slope					SF Ave	HF	SE Dpth	Froude N	Norm Dp	"N"	X-Fall	ZR	Type Ch
1427.500	1083.510	2.756	1086.266	37.80	5.56	.48	1086.75	.00	2.00	1.64	3.000	.000	.00	1 .0
15.588	.0107					.0029	.04	2.76	.48	1.59	.013	.00	.00	PIPE
1443.088	1083.676	2.587	1086.263	37.80	5.83	.53	1086.79	.00	2.00	2.07	3.000	.000	.00	1 .0
4.102	.0107					.0030	.01	2.59	.58	1.59	.013	.00	.00	PIPE
1447.190	1083.720	2.539	1086.258	37.80	5.93	.55	1086.80	.00	2.00	2.16	3.000	.000	.00	1 .0
9.176	.0109					.0032	.03	2.54	.61	1.57	.013	.00	.00	PIPE
1456.366	1083.820	2.408	1086.229	37.80	6.22	.60	1086.83	.00	2.00	2.39	3.000	.000	.00	1 .0
HYDRAULIC JUMP														
1456.366	1083.820	1.636	1085.457	37.80	9.59	1.43	1086.88	.00	2.00	2.99	3.000	.000	.00	1 .0
30.249	.0109					.0091	.27	1.64	1.47	1.57	.013	.00	.00	PIPE
1486.614	1084.151	1.701	1085.852	37.80	9.14	1.30	1087.15	.00	2.00	2.97	3.000	.000	.00	1 .0
16.932	.0109					.0080	.14	1.70	1.37	1.57	.013	.00	.00	PIPE
1503.546	1084.337	1.769	1086.106	37.80	8.72	1.18	1087.29	.00	2.00	2.95	3.000	.000	.00	1 .0
9.109	.0109					.0071	.06	1.77	1.27	1.57	.013	.00	.00	PIPE
1512.655	1084.437	1.841	1086.277	37.80	8.31	1.07	1087.35	.00	2.00	2.92	3.000	.000	.00	1 .0
4.489	.0109					.0063	.03	1.84	1.17	1.57	.013	.00	.00	PIPE
1517.143	1084.486	1.917	1086.403	37.80	7.92	.97	1087.38	.00	2.00	2.88	3.000	.000	.00	1 .0
1.307	.0109					.0056	.01	1.92	1.09	1.57	.013	.00	.00	PIPE

Glen Ivy Senior Living Figure 4b – WSPG Calculations

FILE: shoutlet.WSW

W S P G W - CIVILDESIGN Version 14.06
Program Package Serial Number: 1478
WATER SURFACE PROFILE LISTING

PAGE 5

Date: 3-30-2021 Time: 5:19:32

Senior Housing - Glen Ivy
100YR STORM, Basin Outlet Maximum = 5.01 cfs
Temescal Creek, WSE=1087.59 at 100-year flood

```

*****
| Invert | Depth | Water | Q | Vel | Vel | Energy | Super | Critical | Flow Top | Height/ | Base Wt | | No Wth
Station | Elev | (FT) | Elev | (CFS) | (FPS) | Head | Grd.El. | Elev | Depth | Width | Dia.-FT | or I.D. | ZL | Prs/Pip
-|- -|- -|- -|- -|- -|- -|- -|- -|- -|- -|- -|- -|- -|- -|-
L/Elem | Ch Slope | | | | | SF Ave | HF | SE Dpth | Froude N | Norm Dp | "N" | X-Fall | ZR | Type Ch
*****|*****|*****|*****|*****|*****|*****|*****|*****|*****|*****|*****|*****|*****|*****|*****
| | | | | | | | | | | | | | | |
1518.450 | 1084.500 | 2.000 | 1086.500 | 37.80 | 7.55 | .89 | 1087.39 | .00 | 2.00 | 2.83 | 3.000 | .000 | .00 | 1 | .0
-|- -|- -|- -|- -|- -|- -|- -|- -|- -|- -|- -|- -|- -|- -|-

```

Glen Ivy Senior Living Figure 4b – WSPG Calculations

```

T1 Senior Housing - Glen Ivy
T2 100YR STORM, Basin Outlet Maximum = 5.01 cfs
T3 SH Outlet Pipe @ STA. 14+25, WSE=1086.27
SO 1007.0601083.770 2 1086.270
R 1017.9601083.860 2 .013
R 1031.4801083.980 2 .013
R 1066.8201084.290 2 .013
R 1090.7201084.500 2 .013
SH 1090.7201084.500 2 1084.500
CD 1 4 1 .000 3.000 .000 .000 .000 .00
CD 2 4 1 .000 2.500 .000 .000 .000 .00
CD 3 4 1 .000 2.000 .000 .000 .000 .00
CD 4 3 0 .000 4.500 14.000 .000 .000 .00
Q 5.010 .0
    
```

Glen Ivy Senior Living

Figure 4b – WSPG Calculations

FILE: shbasin.WSW

W S P G W - CIVILDESIGN Version 14.06
 Program Package Serial Number: 1478
 WATER SURFACE PROFILE LISTING

PAGE 1

Date: 3-30-2021 Time: 5:20:27

Senior Housing - Glen Ivy
 100YR STORM, Basin Outlet Maximum = 5.01 cfs
 SH Outlet Pipe @ STA. 14+25, WSE=1086.27

```

*****
Station | Invert | Depth | Water | Q | Vel | Vel | Energy | Super | Critical | Flow Top | Height/ | Base Wt | | No Wth
        | Elev   | (FT)  | Elev  | (CFS) | (FPS) | Head | Grd.El. | Elev | Depth | Width | Dia.-FT | or I.D. | ZL | Prs/Pip
L/Elem | Ch Slope |          |          |          |          | SF Ave | HF | SE Dpth | Froude N | Norm Dp | "N" | X-Fall | ZR | Type Ch
*****|*****|*****|*****|*****|*****|*****|*****|*****|*****|*****|*****|*****|*****|*****|*****
1007.060 | 1083.770 | 2.500 | 1086.270 | 5.01 | 1.02 | .02 | 1086.29 | .00 | .74 | .00 | 2.500 | .000 | .00 | 1 | .0
        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
        | .000 | .0083 |         |         |         |         | .0001 | .00 | 2.50 | .00 | .62 | .013 | .00 | .00 | PIPE
1007.060 | 1083.770 | 2.500 | 1086.270 | 5.01 | 1.02 | .02 | 1086.29 | .00 | .74 | .00 | 2.500 | .000 | .00 | 1 | .0
        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
        | 10.900 | .0083 |         |         |         |         | .0001 | .00 | 2.50 | .00 | .62 | .013 | .00 | .00 | PIPE
1017.960 | 1083.860 | 2.410 | 1086.270 | 5.01 | 1.03 | .02 | 1086.29 | .00 | .74 | .93 | 2.500 | .000 | .00 | 1 | .0
        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
        | 13.520 | .0089 |         |         |         |         | .0001 | .00 | 2.41 | .08 | .61 | .013 | .00 | .00 | PIPE
1031.480 | 1083.980 | 2.291 | 1086.271 | 5.01 | 1.06 | .02 | 1086.29 | .00 | .74 | 1.38 | 2.500 | .000 | .00 | 1 | .0
        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
        | 15.980 | .0088 |         |         |         |         | .0001 | .00 | 2.29 | .10 | .61 | .013 | .00 | .00 | PIPE
1047.460 | 1084.120 | 2.151 | 1086.271 | 5.01 | 1.12 | .02 | 1086.29 | .00 | .74 | 1.73 | 2.500 | .000 | .00 | 1 | .0
        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
        | 12.941 | .0088 |         |         |         |         | .0001 | .00 | 2.15 | .12 | .61 | .013 | .00 | .00 | PIPE
1060.401 | 1084.234 | 2.038 | 1086.271 | 5.01 | 1.17 | .02 | 1086.29 | .00 | .74 | 1.94 | 2.500 | .000 | .00 | 1 | .0
        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
        | 6.419 | .0088 |         |         |         |         | .0002 | .00 | 2.04 | .14 | .61 | .013 | .00 | .00 | PIPE
1066.820 | 1084.290 | 1.981 | 1086.271 | 5.01 | 1.20 | .02 | 1086.29 | .00 | .74 | 2.03 | 2.500 | .000 | .00 | 1 | .0
        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
        | 10.521 | .0088 |         |         |         |         | .0002 | .00 | 1.98 | .15 | .61 | .013 | .00 | .00 | PIPE
1077.341 | 1084.382 | 1.888 | 1086.271 | 5.01 | 1.26 | .02 | 1086.30 | .00 | .74 | 2.15 | 2.500 | .000 | .00 | 1 | .0
        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
        | 9.518 | .0088 |         |         |         |         | .0002 | .00 | 1.89 | .16 | .61 | .013 | .00 | .00 | PIPE
1086.859 | 1084.466 | 1.804 | 1086.270 | 5.01 | 1.32 | .03 | 1086.30 | .00 | .74 | 2.24 | 2.500 | .000 | .00 | 1 | .0
        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
        | 3.861 | .0088 |         |         |         |         | .0002 | .00 | 1.80 | .18 | .61 | .013 | .00 | .00 | PIPE
  
```


Glen Ivy Senior Living

Figure 4b – WSPG Calculations

FILE: shbasin.WSW

W S P G W - CIVILDESIGN Version 14.06
 Program Package Serial Number: 1478
 WATER SURFACE PROFILE LISTING

PAGE 2

Date: 3-30-2021 Time: 5:20:27

Senior Housing - Glen Ivy
 100YR STORM, Basin Outlet Maximum = 5.01 cfs
 SH Outlet Pipe @ STA. 14+25, WSE=1086.27

```

*****
| Invert | Depth | Water | Q | Vel | Vel | Energy | Super | Critical | Flow Top | Height/ | Base Wt | | No Wth
Station | Elev | (FT) | Elev | (CFS) | (FPS) | Head | Grd.El. | Elev | Depth | Width | Dia.-FT | or I.D. | ZL | Prs/Pip
-|- -|- -|- -|- -|- -|- -|- -|- -|- -|- -|- -|- -|- -|- -|-
L/Elem | Ch Slope | | | | | SF Ave | HF | SE Dpth | Froude N | Norm Dp | "N" | X-Fall | ZR | Type Ch
*****|*****|*****|*****|*****|*****|*****|*****|*****|*****|*****|*****|*****|*****|*****|*****
| | | | | | | | | | | | | | | |
1090.720 | 1084.500 | 1.770 | 1086.270 | 5.01 | 1.35 | .03 | 1086.30 | .00 | .74 | 2.27 | 2.500 | .000 | .00 | 1 | .0
-|- -|- -|- -|- -|- -|- -|- -|- -|- -|- -|- -|- -|- -|- -|-
  
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ATTACHMENTS

ATTACHMENT A
Coldwater Canyon Wash – HEC-RAS Analysis

Coldwater Canyon Creek Background & Hydrology

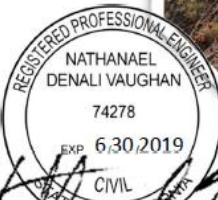
Coldwater Canyon Creek Existing Data and Background

There are two Drainage Studies related to the Coldwater Canyon Creek in this study:

- Coldwater Canyon Wash Geomorphology Study by JE Fuller dated September 2018.
- Glen Ivy Hot Springs Floodplain Analysis for Coldwater Canyon by Crouse/ Beers & Associates, dated March, 1998.

Coldwater Canyon Wash Geomorphology Study

Task 1 – Field Reconnaissance and Geomorphic Assessment



Nathanael Vaughan
9-28-18

September
2018

prepared for |
Riverside County Flood Control and Water Conservation District



Glen Ivy Senior Living
ATTACHMENT A – Coldwater Canyon Creek

PP 9062

Glen Ivy Hot Springs
Floodplain Analysis

RECEIVED
MAR 09 2004

for

Coldwater Canyon

RIVERSIDE COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT

Prepared by:

Crouse / Beers & Associates, Inc.
1700 Hamner Avenue, Suite 104
Norco, CA 91760
Phone: (909) 736-2040
Fax: (909) 736-5292

#15
OK
[Signature]
S/S HP

March 1998

Coldwater Canyon Wash (CCW) originates on the eastern slope of the Santa Ana Mountains at 6,000 feet elevation and flows across the Temescal Valley into Temescal Wash at 900 feet elevation. Historically, CCW was an alluvial fan landform with a topographic apex near the present Glen Ivy Hot Springs Resort. By definition, an alluvial fan is an aggrading landform which receives and deposits sediment over time, resulting in a distributary channel pattern. Anthropogenic changes to CCW downstream of the fan apex beginning in the early 20th century have been altering the geomorphic character of the system. Today, CCW can be characterized as a primarily straight, single channel system. Property owners along CCW are experiencing flood-related problems such as channel scour, bank erosion, sedimentation, and other unpredictable behavior. Riverside County Flood Control and Water Conservation District (RCFCWCD) has enlisted JE Fuller/Hydrology & Geomorphology, Inc. (JEF) to conduct a geomorphic study of CCW in an attempt to better understand its present behavior, and to aid in predicting potential future behavior.

Glen Ivy Senior Living ATTACHMENT A – Coldwater Canyon Creek



Glen Ivy Senior Living ATTACHMENT A – Coldwater Canyon Creek

The CCW study was divided into eight descriptive reaches which were incorporated into this analysis and represent the broadest level of spatial relationship. The CCW reach names are used in multiple sections of this report and are listed below for reference and illustrated in **Figure 1**. The division of the eight reaches is based on their unique geomorphic characteristics which are defined and described throughout this report.

- Reach 1. Temescal Wash confluence to the Dawson Canyon Road culvert.
- Reach 2. Dawson Canyon Road culvert to Rinker Plant.
- Reach 3. Rinker Plant to I-15.
- Reach 4. I-15 to Squaw Mountain Road.
- Reach 5. Squaw Mountain Road to Temescal Canyon Road.
- Reach 6. Temescal Canyon Road to Glen Ivy Road.
- Reach 7. Glen Ivy Road to Glen Ivy Hot Springs Resort parking lot.
- Reach 8. Glen Ivy Hot Springs Resort parking lot to the upstream limit of Glen Ivy Hot Springs Resort.

Glen Ivy Senior Living
ATTACHMENT A – Coldwater Canyon Creek

Three durations were considered: 3 hour, 6 hour, and 24 hour. In addition, both sediment-full and sediment-empty scenarios as developed by PACE were considered (Pace, 2001). Based on the results shown below (**Table 3**), the 6-hour event is the controlling event and was used for this study as this duration yielded the highest peak discharge for the confluence of the Trilogy development and Coldwater Canyon Wash. Further, the scenarios where the detention basins were full yielded higher discharges, and this result was used.

Table 3. Peak Discharge Hydrology by Duration at Trilogy Confluence

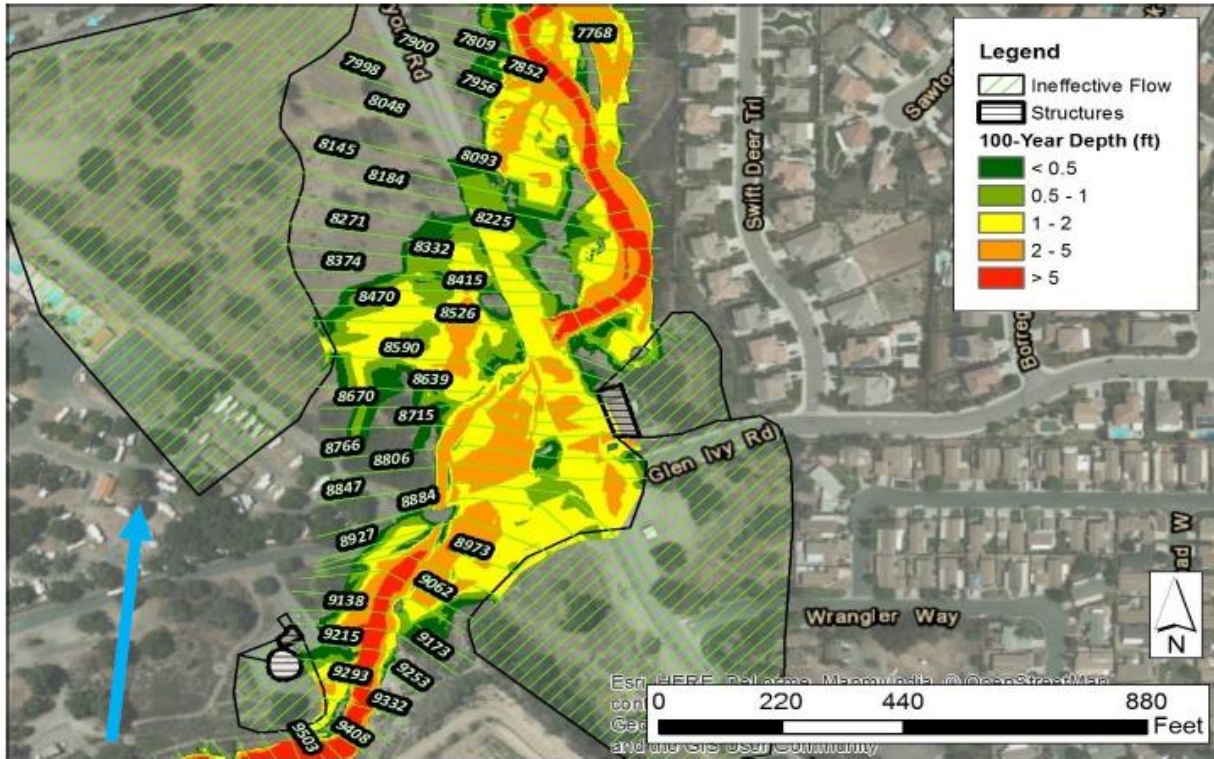
Peak Discharge (cfs)						
	2 Year	5 Year	10 Year	25 Year	50 Year	100 Year
3 Hour	1,573	2,316	2,913	3,744	4,417	5,109
6 Hour	1,595	2,344	2,957	3,822	4,526	5,247
24 Hour	756	1,322	1,808	2,475	2,987	3,510

Two inflow hydrograph boundary condition locations were specified in the HEC-RAS model. The spreadsheet model results for Coldwater Canyon were used to define the upstream boundary of the hydraulic model (near Glen Ivy Hot Springs). The combined hydrographs from the Trilogy outlet and attenuated flow in Coldwater Canyon were then used at the confluence located downstream of Squaw Mountain Road Bridge. **Table 4** below summarizes the peak discharges of both hydrographs for each modeled recurrence interval. The detailed hydrographs, which were used for sediment transport modeling, for each event are shown below in **Figure 4**.

Table 4. 6-Hour Peak Discharge

Peak Discharge by Location (cfs)		
Recurrence Interval (year)	Outlet of Coldwater Canyon	Confluence with Trilogy Development Outfall
2	1,052	1,595
5	1,509	2,344
10	1,917	2,957
25	2,490	3,822
50	2,963	4,526
100	3,455	5,247

Glen Ivy Senior Living ATTACHMENT A – Coldwater Canyon Creek



Glen Ivy Senior Living
ATTACHMENT A – Coldwater Canyon Creek

HYDRAULICS

HEC-RAS ANALYSIS – Coldwater Canyon

The hydraulic characteristics of the peak 100-year flow through the study reach were computed for the Coldwater Canyon reaches through the application of the HEC-RAS water surface profile model. Using the established peak flows, we developed the one-dimensional hydraulic models using the USACE’s River Analysis System, HEC-RAS version 4.1.0. An HEC-RAS model through application of the HEC-RAS water surface profile model was created to define the hydraulic characteristics of the study reach. The model was used to compute water surface profiles for the 100-year flow and 100-year bulking flow storm events.

Cross Section Data

Nine cross-sections were obtained and used within the defined study reach as shown on the HEC-RAS workmap Coldwater Canyon along the Glen Ivy Senior Living project boundary.

Manning’s n-values

A key parameter in a hydraulic analysis is the determination of the roughness of the surface that the water will flow along. The coefficient of roughness is known as the Manning’s n-value.

A Manning’s “n” roughness coefficient ranges between 0.035 and 0.055 were used for the Coldwater Canyon bottom which cobblestone, rocks, and boulders and where vegetation effects are limited by regular seasonal storm water flows. The coefficient of roughness is known as the Manning’s n-value. The n-value can then be used in the following equation to determine the flow velocity:

$$V = \frac{1.49}{n} R^{2/3} S^{1/2}$$

where,

- “R” is the hydraulic radius (the ratio of the water area to its wetted perimeter at a particular section),
- “S” is the slope of the energy line, and
- “n” is the Manning’s n-value

For the overbank areas, a coefficient was selected based on the steepness of the bank. In cases where the bank was steep, vegetation growth is limited and an n-value up to 0.055 was used in the analysis. For shallow banks that do not rise quickly above the thalweg of the stream, an n-value of 0.07 was used to account for dense vegetation in these areas. Additionally, in overbank cases that exist between the aforementioned extremes, an intermediate n-value was used.

Freeboard criteria

The higher “n” roughness coefficient between 0.055 was used for stream bottom to account of the possibly dense vegetation on the stream bottom and for a conservative assumption. The highest water surface elevation will be used to determine the minimum freeboard.

Glen Ivy Senior Living
ATTACHMENT A – Coldwater Canyon Creek

Boundary Conditions

The downstream limit of the HEC-RAS analysis for the study was set at the downstream of the Coldwater Canyon as normal depth.

Critical depth was used in the Coldwater Canyon HEC-RAS models as the upstream control.

Culverts

There is existing undersized culvert within the study reach.

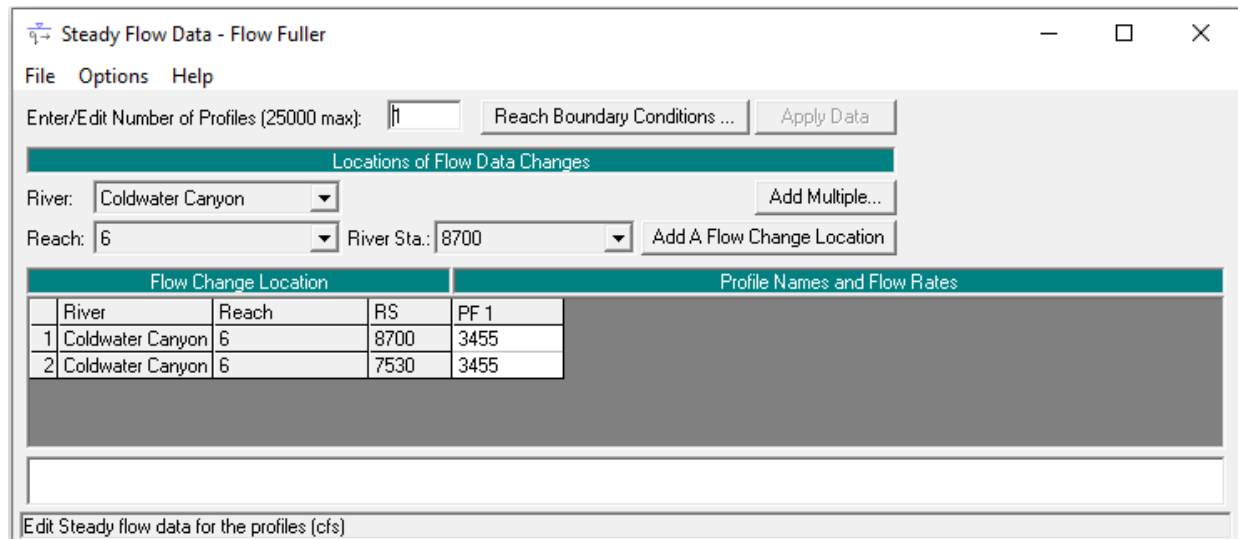
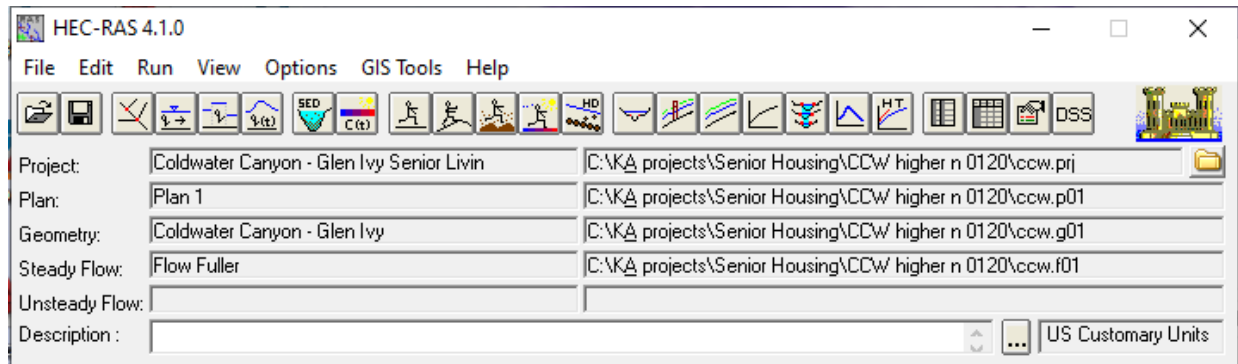
Contraction and Expansion Coefficients

Contraction and expansion coefficients are used to evaluate the amount of energy loss that occurs because of a flow contraction or expansion. The coefficients are multiplied by the change in velocity head from the current cross section to the next downstream cross section. The values entered at a particular cross section are used to compute losses that occur between that cross section and the next downstream cross section. The contraction and expansion coefficients used in the HEC-RAS model were 0.1 for contraction, and 0.3 for expansion, except at the existing/proposed culverts/bridges sections, where coefficients of 0.3 for contraction and 0.5 for expansion were used.

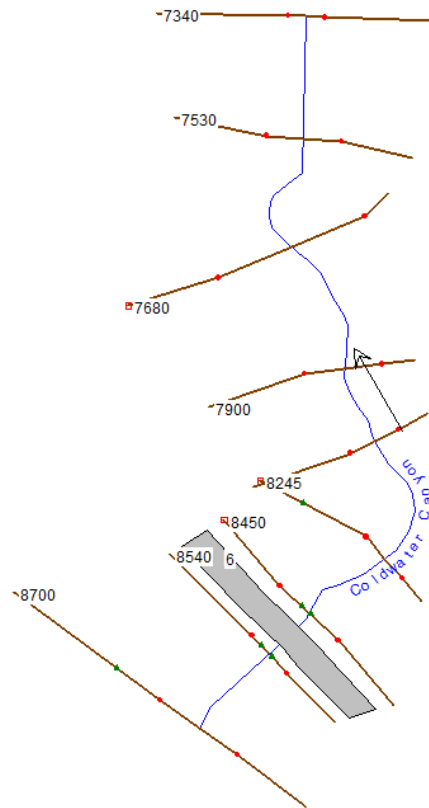
Coldwater Canyon Creek

Hec-Ras – Current Condition

Current Condition



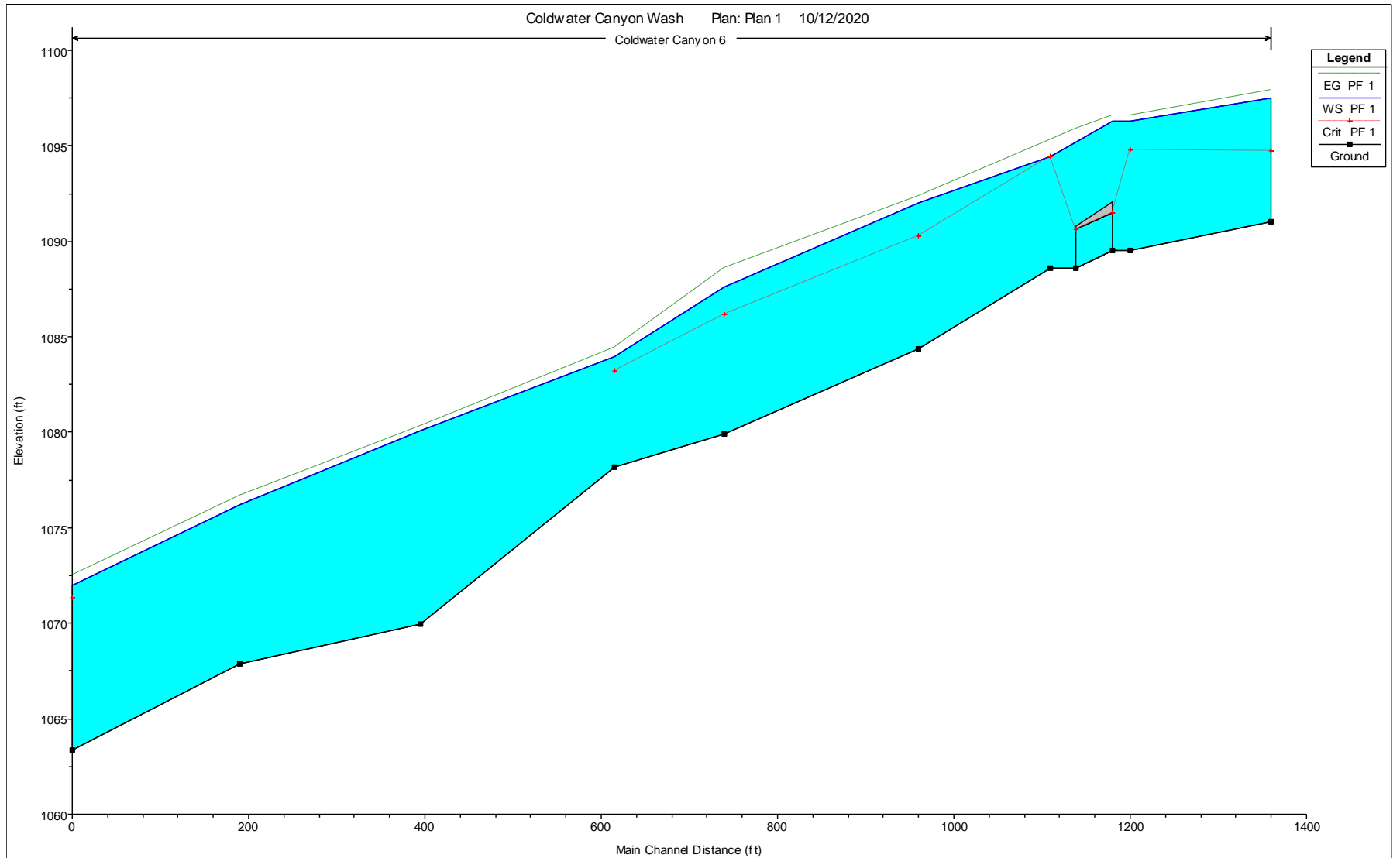
Glen Ivy Senior Living ATTACHMENT A – Coldwater Canyon Creek



Horizontal Scale: 1" = 100' (S/S)

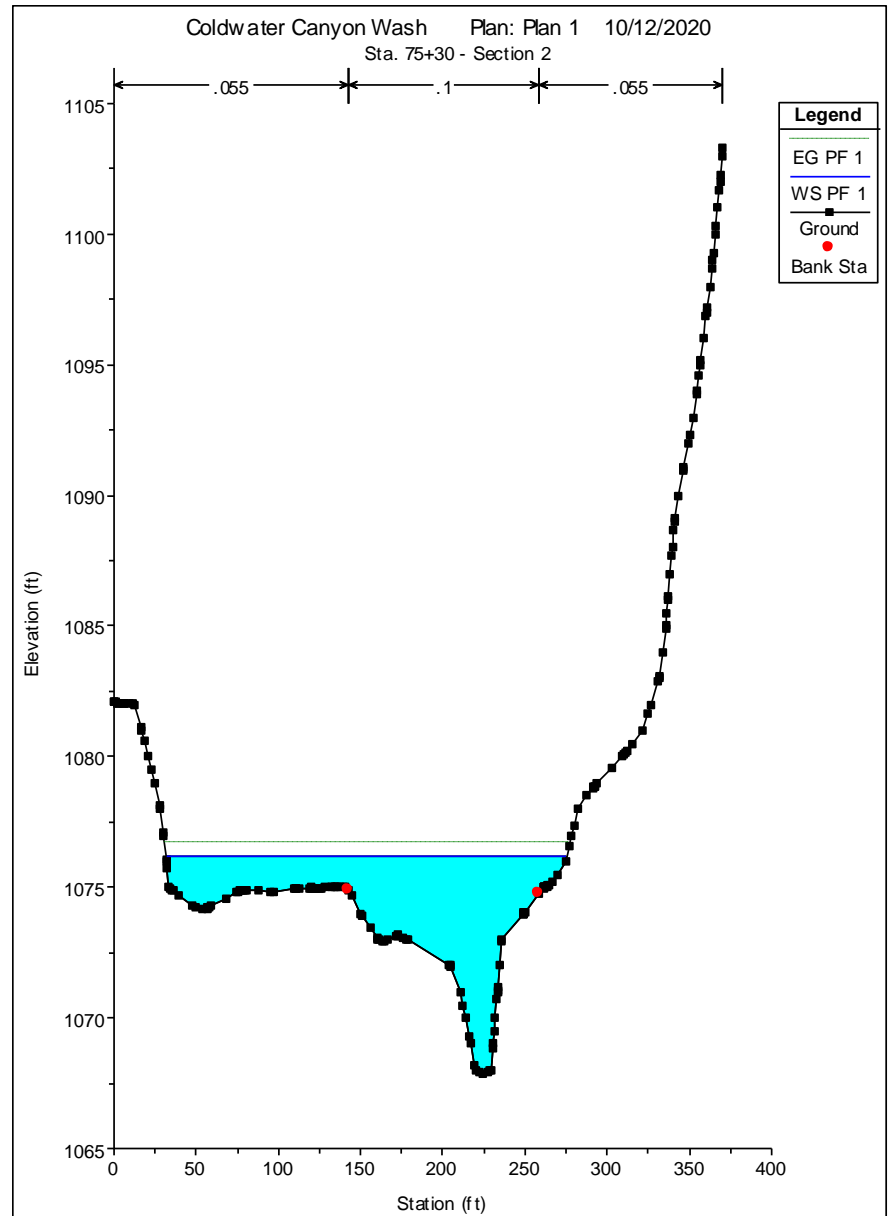
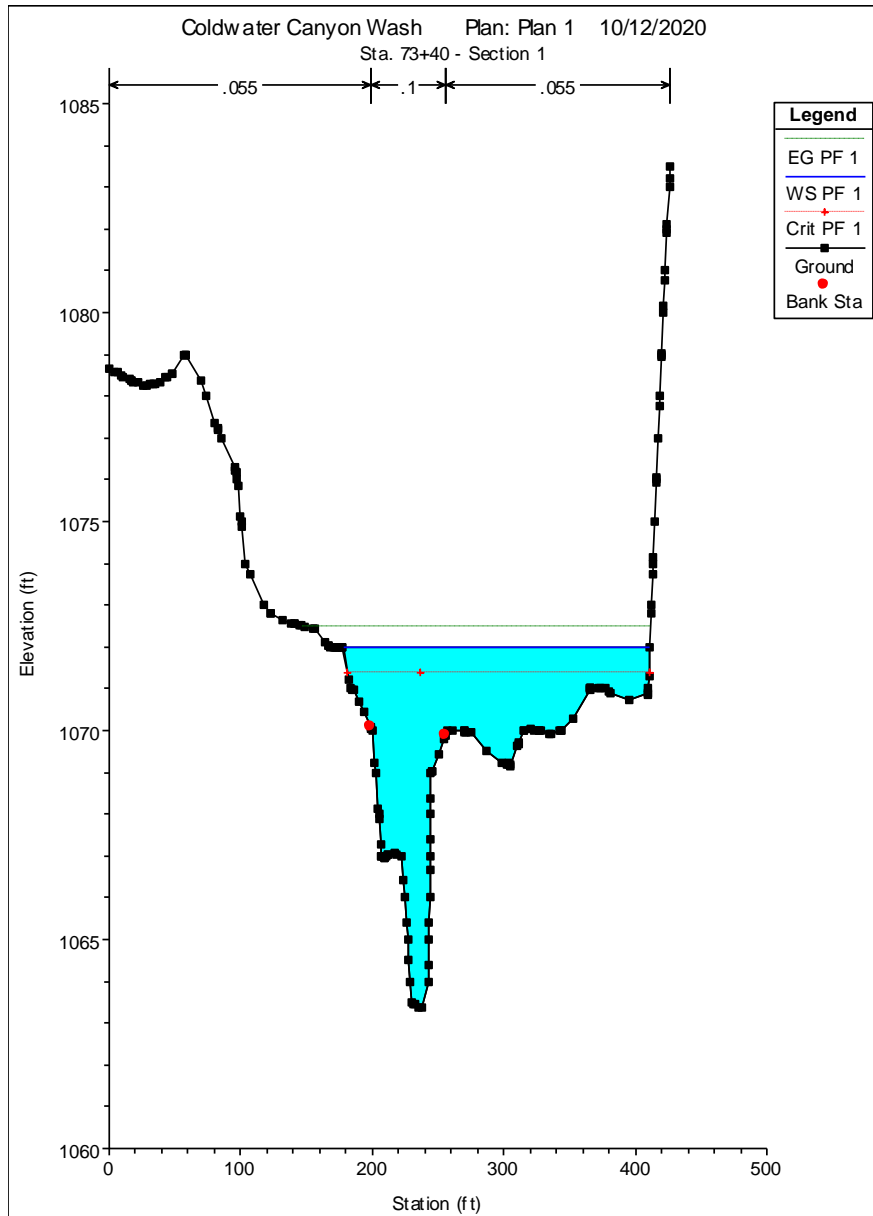
Geometric Data – Current Condition

Glen Ivy Senior Living ATTACHMENT A – Coldwater Canyon Creek

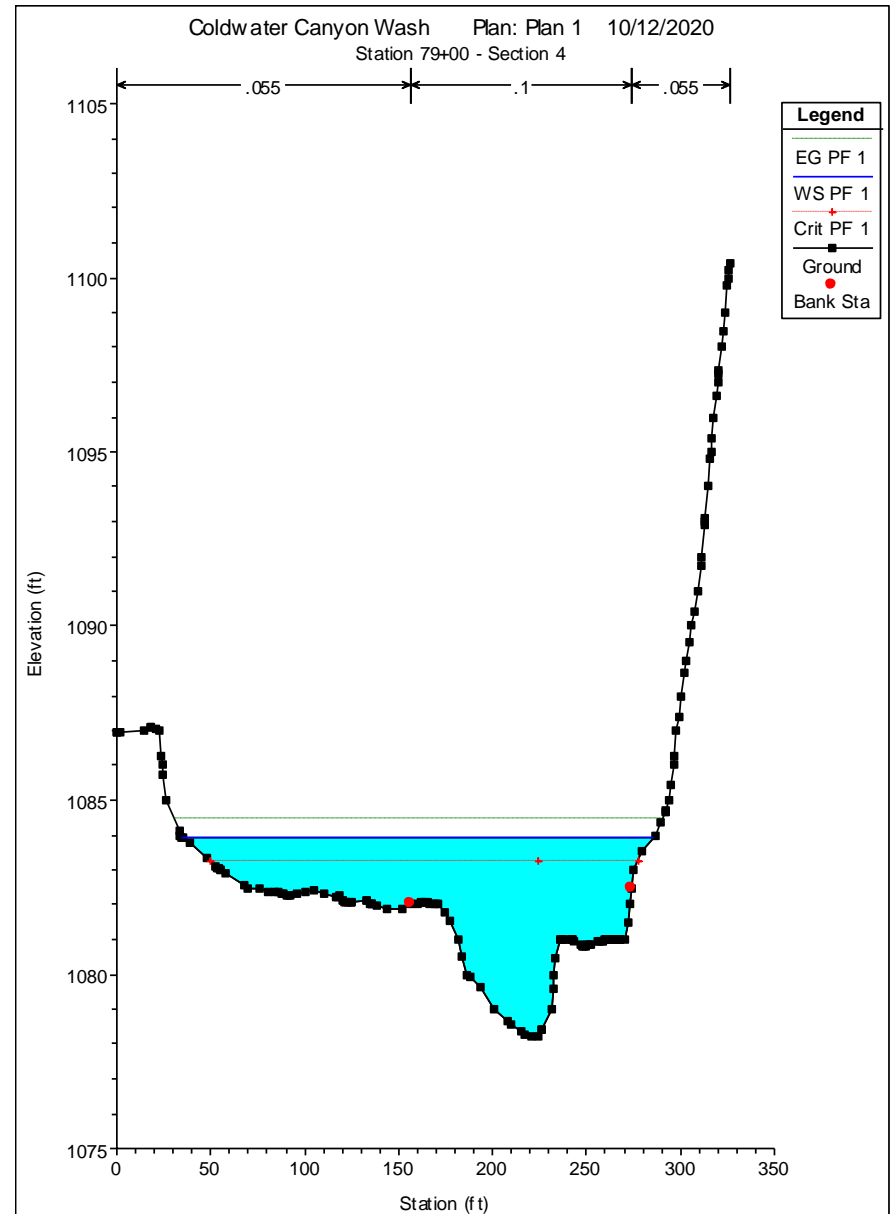
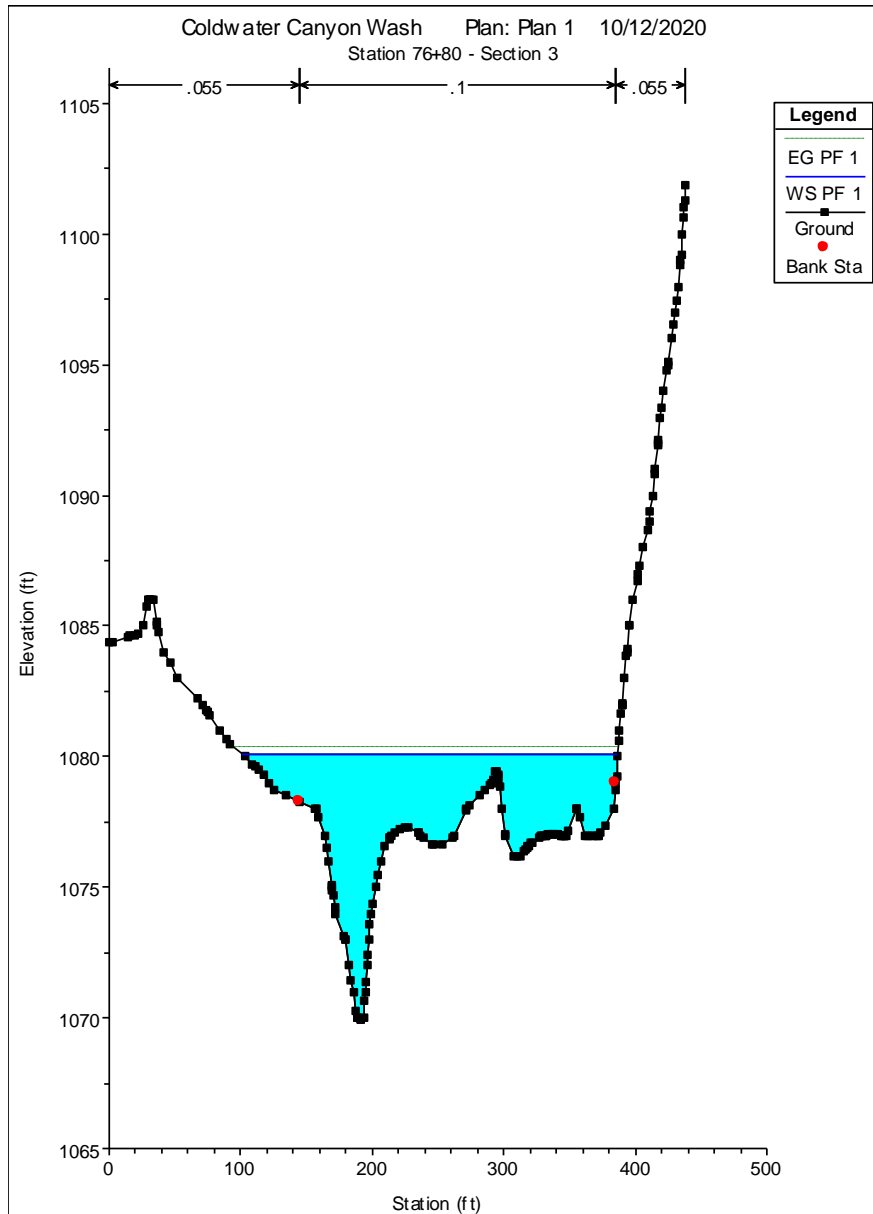


View Profile

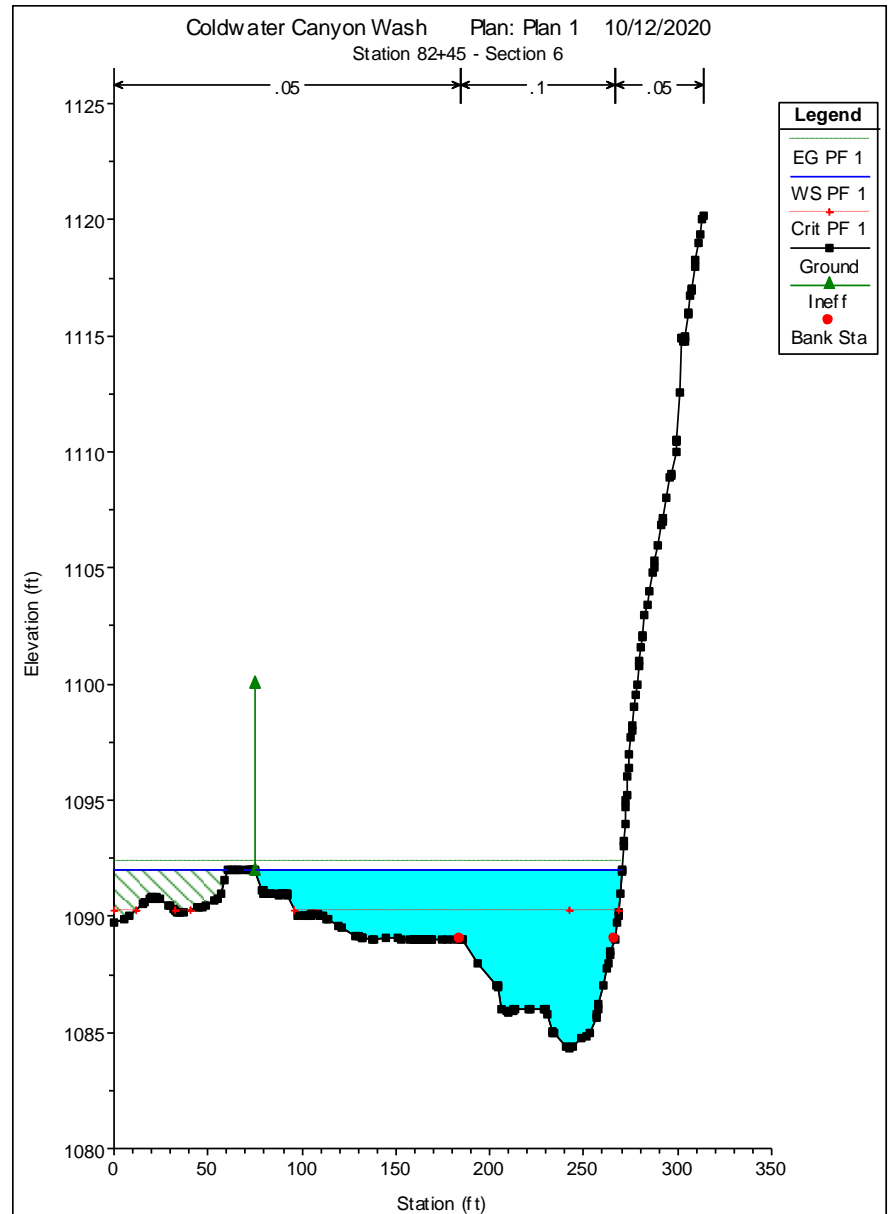
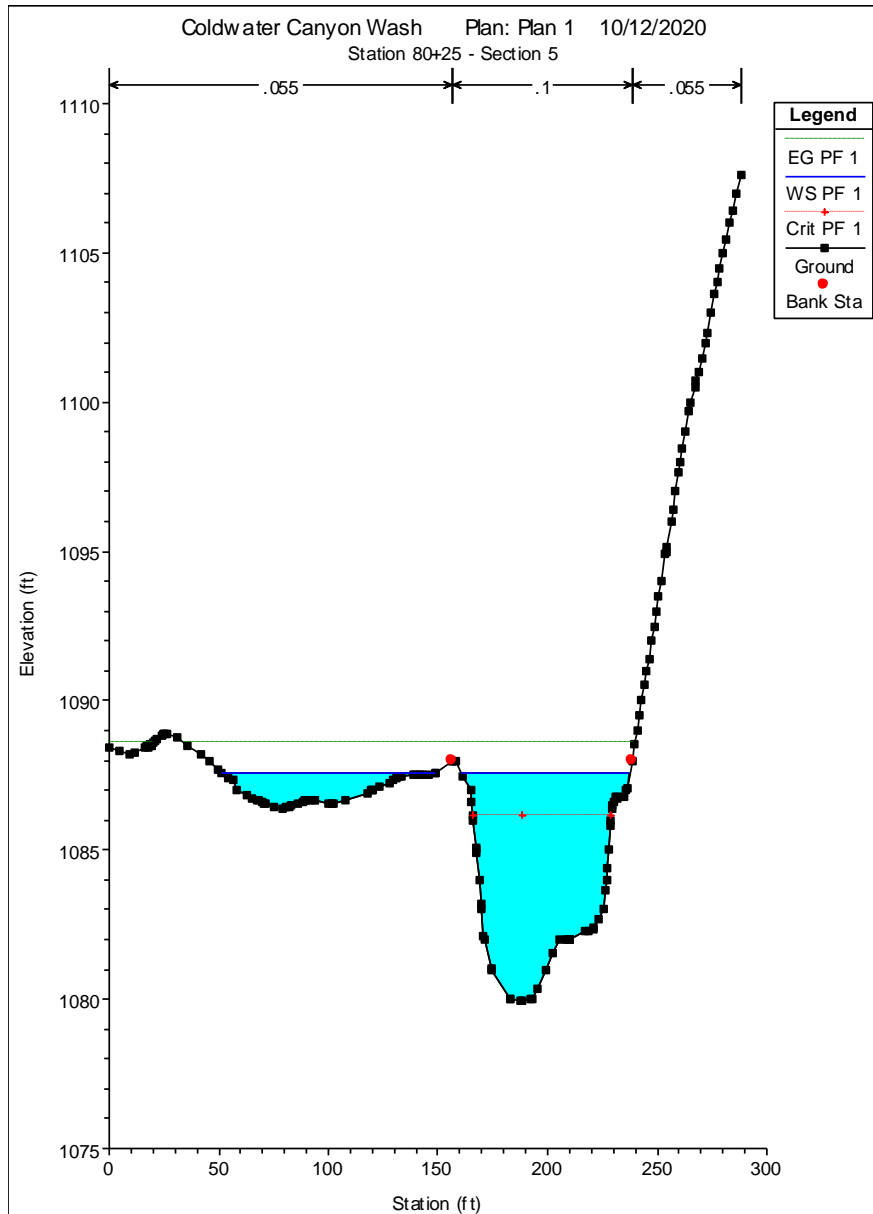
Glen Ivy Senior Living ATTACHMENT A – Coldwater Canyon Creek



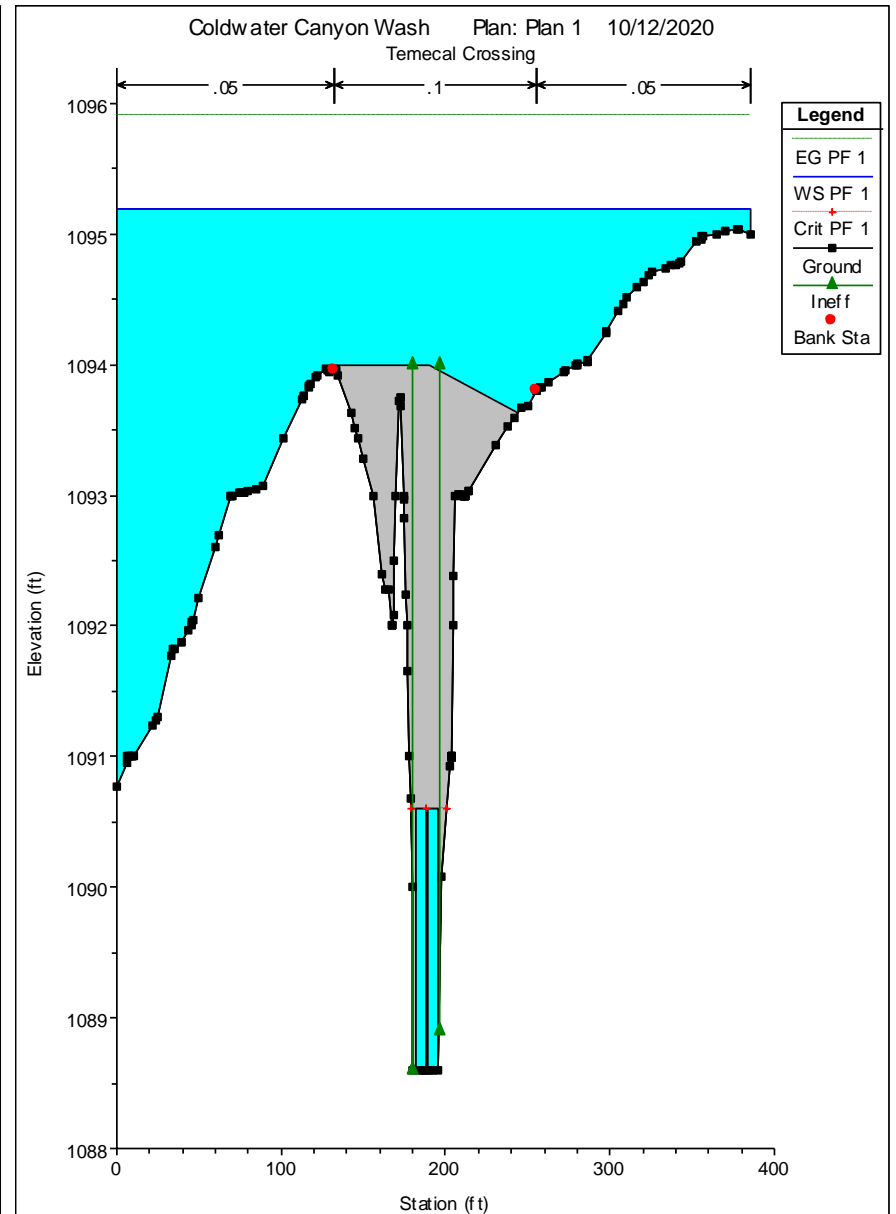
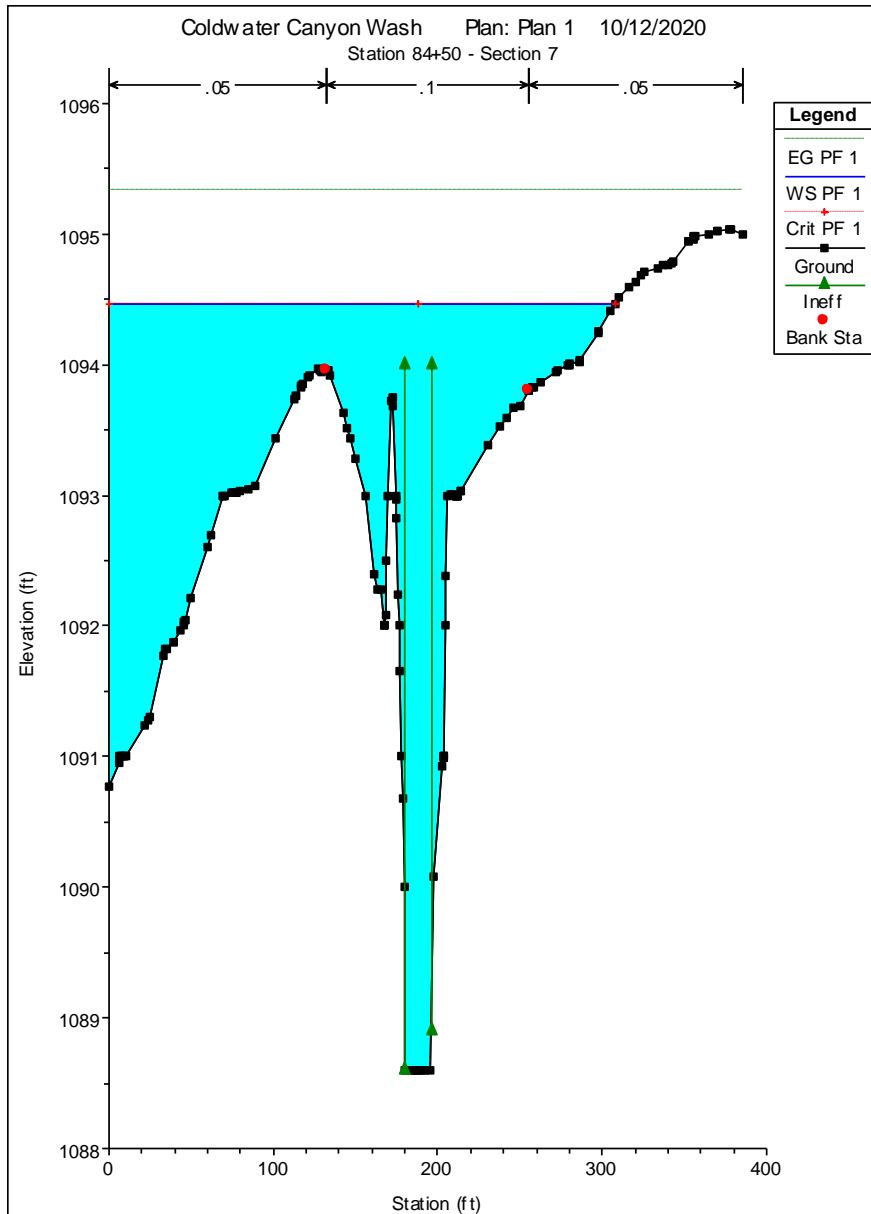
Glen Ivy Senior Living ATTACHMENT A – Coldwater Canyon Creek



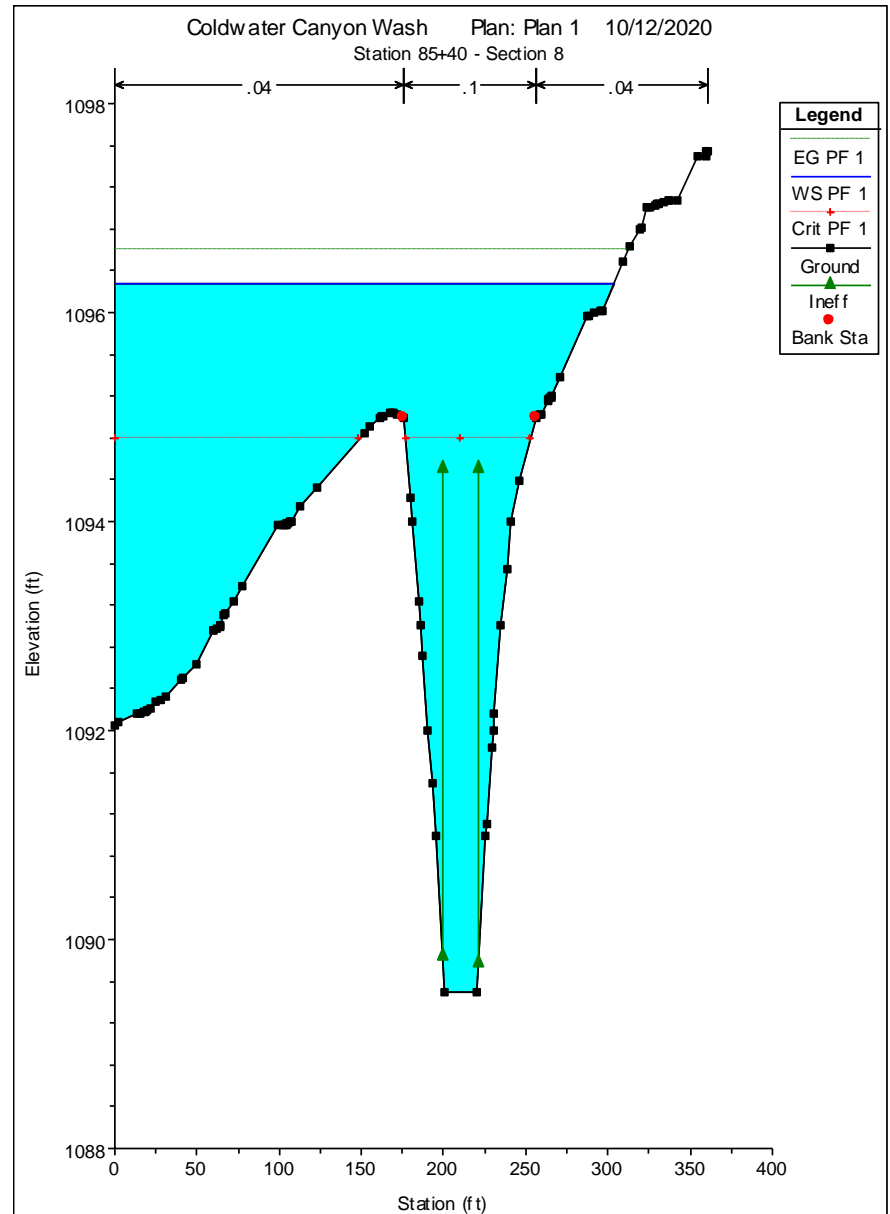
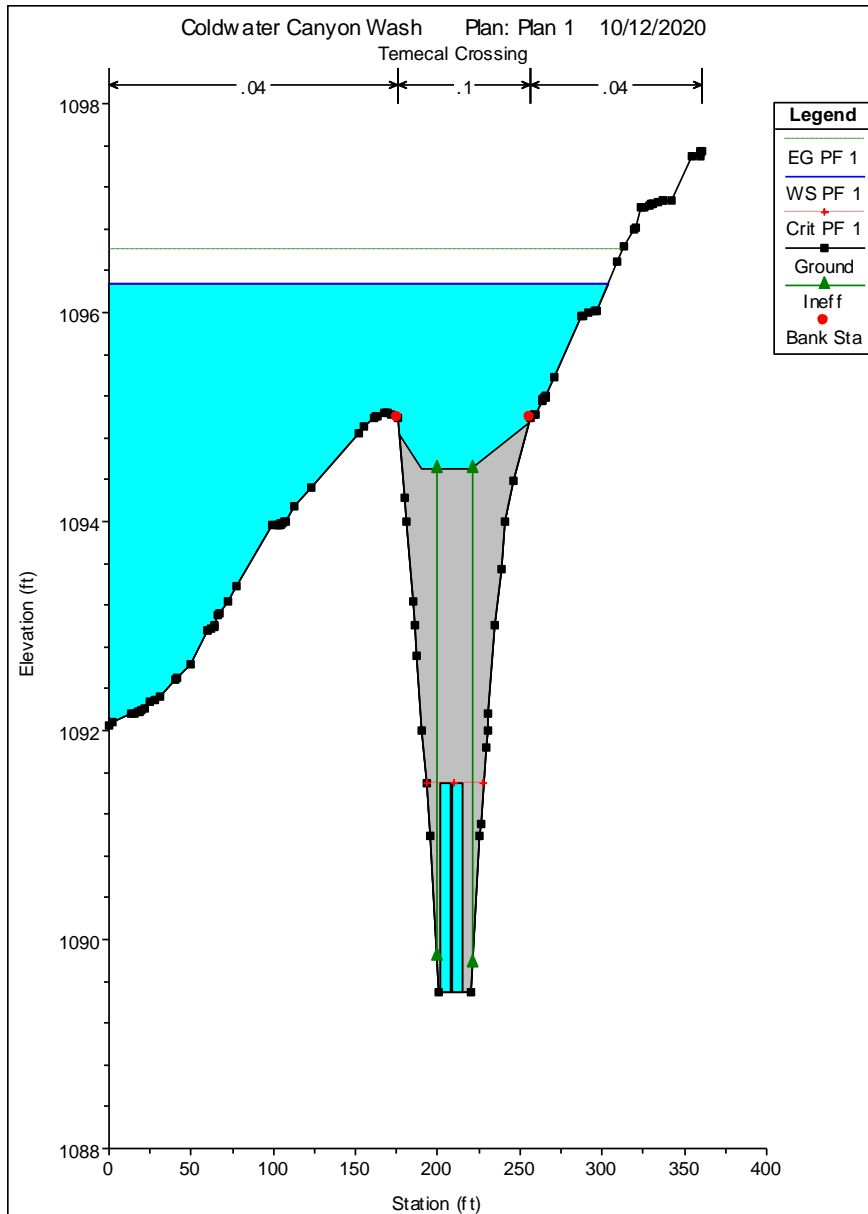
Glen Ivy Senior Living ATTACHMENT A – Coldwater Canyon Creek



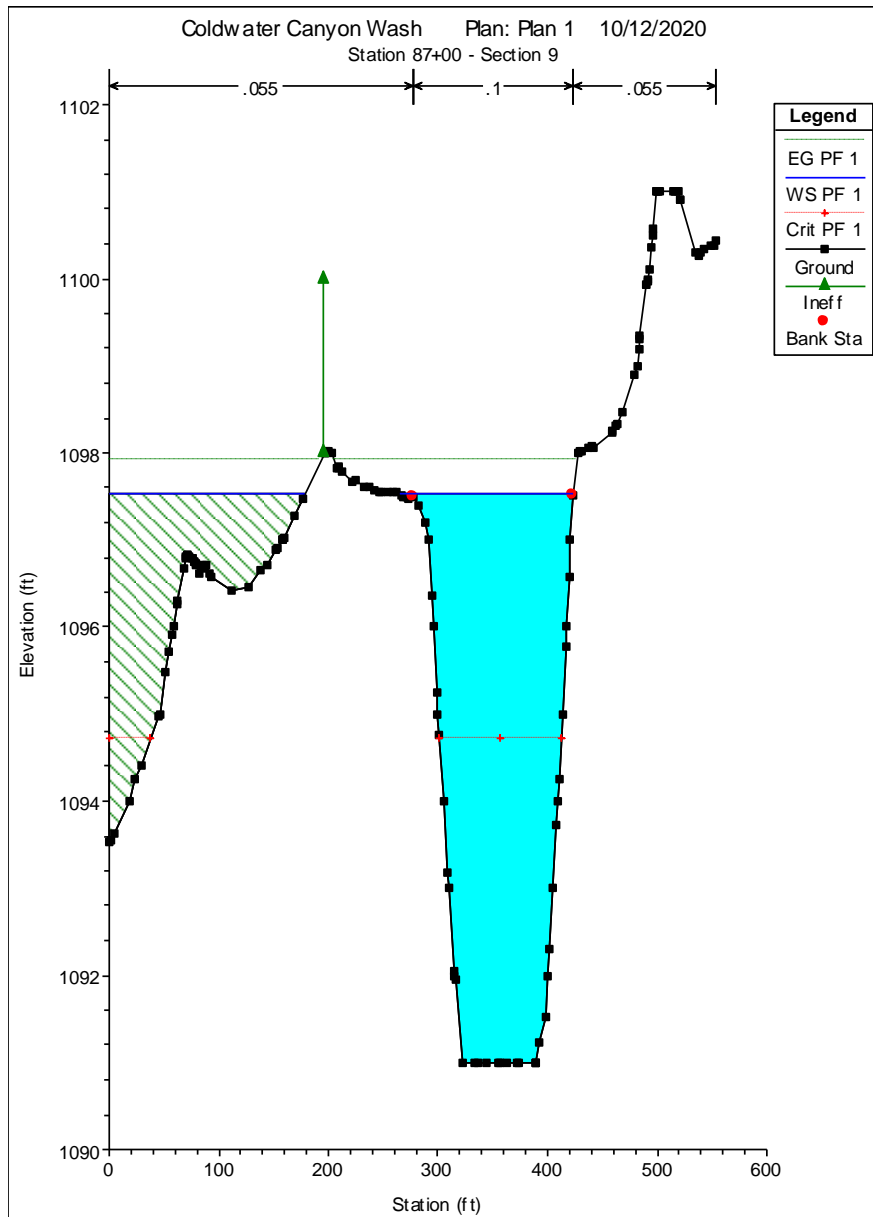
Glen Ivy Senior Living ATTACHMENT A – Coldwater Canyon Creek



Glen Ivy Senior Living ATTACHMENT A – Coldwater Canyon Creek



Glen Ivy Senior Living ATTACHMENT A – Coldwater Canyon Creek



Glen Ivy Senior Living
ATTACHMENT A – Coldwater Canyon Creek

Coldwater Canyon Reach 6												
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
6	8700	PF 1	3455	1091	1097.53	1094.73	1097.92	0.01437	5.01	690.18	335.3	0.4
6	8540	PF 1	3455	1089.5	1096.28	1094.79	1096.6	0.005208	2.8	848.55	303.74	0.24
6	8500		Culvert									
6	8450	PF 1	3455	1088.6	1094.46	1094.46	1095.34	0.038316	4.65	528.12	307.5	0.57
6	8245	PF 1	3455	1084.35	1092	1090.28	1092.35	0.00923	4.52	735.2	260.83	0.33
6	8025	PF 1	3455	1079.93	1087.59	1086.18	1088.6	0.039118	8.3	449.35	174.89	0.66
6	7900	PF 1	3455	1078.2	1083.94	1083.24	1084.44	0.02673	5.69	610.18	251.04	0.53
6	7680	PF 1	3455	1069.96	1080.09		1080.32	0.013354	3.92	890.59	285.75	0.37
6	7530	PF 1	3455	1067.88	1076.2		1076.68	0.024443	5.67	623.79	243.88	0.51
6	7340	PF 1	3455	1063.36	1071.98	1071.37	1072.5	0.019991	6.01	600.91	233.48	0.46

Glen Ivy Senior Living ATTACHMENT A – Coldwater Canyon Creek

HEC-RAS Version 4.1.0 Jan 2010
U.S. Army Corps of Engineers
Hydrologic Engineering Center
609 Second Street
Davis, California

```

X      X  XXXXXX   XXXX      XXXX      XX      XXXX
X      X  X      X  X      X  X      X  X      X
X      X  X      X      X  X      X  X      X
XXXXXXXX XXXX   X      XXX XXXX   XXXXXX   XXXX
X      X  X      X      X  X      X  X      X
X      X  X      X  X      X  X      X  X      X
X      X  XXXXXX   XXXX      X  X      X  X      XXXXXX
  
```

PROJECT DATA

Project Title: Coldwater Canyon Wash
Project File : ccw.prj
Run Date and Time: 10/12/2020 1:11:31 PM

Project in English units

PLAN DATA

Plan Title: Plan 1
Plan File : r:\430856\Final\Design\JY\CCW higher n 0120\ccw.p01

Geometry Title: Coldwater Canyon Wash
Geometry File : r:\430856\Final\Design\JY\CCW higher n 0120\ccw.g01

Flow Title : Flow Fuller
Flow File : r:\430856\Final\Design\JY\CCW higher n 0120\ccw.f01

Plan Summary Information:

Number of:	Cross Sections =	9	Multiple Openings =	0
	Culverts =	1	Inline Structures =	0
	Bridges =	0	Lateral Structures =	0

Computational Information

Water surface calculation tolerance =	0.01
Critical depth calculation tolerance =	0.01
Maximum number of iterations =	20
Maximum difference tolerance =	0.3
Flow tolerance factor =	0.001

Computation Options

Critical depth computed only where necessary
Conveyance Calculation Method: At breaks in n values only
Friction Slope Method: Average Conveyance
Computational Flow Regime: Subcritical Flow

FLOW DATA

Glen Ivy Senior Living

ATTACHMENT A – Coldwater Canyon Creek

Flow Title: Flow Fuller
 Flow File : r:\430856\Final\Design\JY\CCW higher n 0120\ccw.f01

Flow Data (cfs)

River	Reach	RS	PF 1
Coldwater Canyon6		8700	3455
Coldwater Canyon6		7530	3455

Boundary Conditions

River	Reach	Profile	Upstream
Downstream			
Coldwater Canyon6		PF 1	Critical
Normal S = 0.02			

GEOMETRY DATA

Geometry Title: Coldwater Canyon Wash
 Geometry File : r:\430856\Final\Design\JY\CCW higher n 0120\ccw.g01

CROSS SECTION

RIVER: Coldwater Canyon
 REACH: 6 RS: 8700

INPUT

Description: Station 87+00 - Section 9

Station Elevation Data		num=		155					
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	1093.53	1.94	1093.56	4.37	1093.62	18.23	1094	23.65	1094.25
28.99	1094.41	44.57	1094.98	46.3	1095	51.82	1095.48	54.85	1095.72
57.68	1095.92	58.68	1096	61.79	1096.27	62.28	1096.3	67.88	1096.68
69.55	1096.79	70.27	1096.81	70.55	1096.82	71.06	1096.82	72.05	1096.81
72.81	1096.8	75.36	1096.79	75.7	1096.79	77.29	1096.75	77.64	1096.76
78.96	1096.71	79.7	1096.74	82.94	1096.61	84.92	1096.68	85.48	1096.7
86	1096.71	88.72	1096.72	91.99	1096.62	93.12	1096.57	111.6	1096.41
126.42	1096.46	137.99	1096.66	144.83	1096.72	152.25	1096.88	154.09	1096.91
157.98	1097	158.31	1097	158.34	1097	158.97	1097.02	168.55	1097.27
176.35	1097.47	196.13	1098	196.71	1098	196.81	1098	197.21	1098
198	1098.01	198.92	1098.01	200.76	1098.01	202.4	1098	207.57	1097.83
208.7	1097.83	209.75	1097.84	212.46	1097.79	221.13	1097.67	225.03	1097.69
232.19	1097.61	236.49	1097.61	241.51	1097.58	246.1	1097.56	248.38	1097.56
254.22	1097.56	259.17	1097.56	262.76	1097.55	266.75	1097.52	268.09	1097.5
271.07	1097.5	272.78	1097.48	277.64	1097.49	281.78	1097.39	288.3	1097.2
292.13	1097	294.58	1096.37	296.04	1096	299.03	1095.24	299.97	1095
301.05	1094.76	304.87	1094	309.11	1093.18	310.08	1093	315.2	1092.04
315.41	1092	315.7	1091.96	322.74	1091	333.02	1091	335.86	1091
344.5	1091	354.47	1091	356.4	1091	363.35	1091	372.36	1091
373.34	1091	388.6	1091	388.73	1091	388.96	1091	392.41	1091.22
398.15	1091.52	400.5	1092	401.74	1092.3	404.87	1093	407.92	1093.72
409.18	1094	410.19	1094.25	413.4	1095	416.65	1095.77	417.49	1096
419.44	1096.58	420.74	1097	422.57	1097.52	427.77	1098	429.69	1098.02
430.53	1098.02	436.63	1098.05	440.1	1098.07	442.03	1098.06	458.66	1098.24
459.17	1098.25	462.46	1098.32	463.3	1098.33	467.55	1098.46	479.23	1098.89
481.76	1099	482.95	1099.2	483.65	1099.3	484.05	1099.34	489.83	1099.93
490.07	1099.93	491.16	1099.97	492.06	1100	492.6	1100.1	494.38	1100.37

Glen Ivy Senior Living ATTACHMENT A – Coldwater Canyon Creek

495.38	1100.5	495.93	1100.57	498.49	1101	498.68	1101	500.11	1101
500.31	1101	502.71	1101	514.26	1101	516.01	1101	516.99	1101
519.46	1101	520.33	1100.91	520.55	1100.91	534.33	1100.3	538.49	1100.27
539.8	1100.3	541.93	1100.35	548.99	1100.38	551.81	1100.39	554.26	1100.44

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.055	277.64	.1	422.57	.055

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	277.64	422.57		160	160		.1	.3

Ineffective Flow num= 1

Sta L	Sta R	Elev	Permanent
0	196	1100	F

CROSS SECTION OUTPUT Profile #PF 1

E.G. Elev (ft)	1097.92	Element	Left OB	Channel
Right OB				
Vel Head (ft)	0.39	Wt. n-Val.	0.055	0.100
0.000				
W.S. Elev (ft)	1097.53	Reach Len. (ft)	160.00	160.00
160.00				
Crit W.S. (ft)	1094.73	Flow Area (sq ft)	0.37	689.80
0.00				
E.G. Slope (ft/ft)	0.014370	Area (sq ft)	275.67	689.80
0.00				
Q Total (cfs)	3455.00	Flow (cfs)	0.12	3454.88
0.00				
Top Width (ft)	335.30	Top Width (ft)	190.29	144.93
0.08				
Vel Total (ft/s)	5.01	Avg. Vel. (ft/s)	0.32	5.01
0.07				
Max Chl Dpth (ft)	6.53	Hydr. Depth (ft)	0.03	4.76
0.00				
Conv. Total (cfs)	28822.1	Conv. (cfs)	1.0	28821.1
0.0				
Length Wtd. (ft)	160.00	Wetted Per. (ft)	11.81	146.30
0.08				
Min Ch El (ft)	1091.00	Shear (lb/sq ft)	0.03	4.23
Alpha	1.00	Stream Power (lb/ft s)	554.26	0.00
0.00				
Frctn Loss (ft)	1.30	Cum Volume (acre-ft)	5.26	15.85
0.81				
C & E Loss (ft)	0.02	Cum SA (acres)	3.59	3.78
0.76				

Warning: Divided flow computed for this cross-section.
Warning: The cross-section end points had to be extended vertically for the computed water surface.

Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4.

This may indicate the need for additional cross sections.

Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.

Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy was used.

CROSS SECTION

Glen Ivy Senior Living

ATTACHMENT A – Coldwater Canyon Creek

RIVER: Coldwater Canyon
 REACH: 6 RS: 8540

INPUT

Description: Station 85+40 - Section 8

Station Elevation Data num= 99									
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	1092.05	2.13	1092.08	13.59	1092.17	15.87	1092.16	17.63	1092.18
18.93	1092.18	19.83	1092.19	21.41	1092.21	24.54	1092.27	27.51	1092.29
31.19	1092.33	40.2	1092.48	41.84	1092.51	49.35	1092.64	59.57	1092.96
60.37	1092.96	62.37	1092.98	63.82	1092.99	64.21	1093	66.03	1093.1
67.4	1093.13	72.01	1093.23	77.61	1093.39	99.66	1093.97	101.98	1093.97
103.6	1093.97	103.71	1093.97	103.89	1093.97	104.72	1093.98	104.99	1093.98
106.78	1094	107.49	1094	112.99	1094.14	122.97	1094.32	151.52	1094.85
155.17	1094.91	160.98	1095	162.65	1095.01	163.3	1095.01	167.66	1095.04
168.56	1095.04	169.16	1095.04	171.7	1095.03	176.08	1095	179.98	1094.23
180.98	1094	184.53	1093.23	185.61	1093	187.11	1092.71	190.55	1092
193.14	1091.49	195.47	1091	200	1089.5	220	1089.5	225.47	1091
226.01	1091.11	229.31	1091.84	230.02	1092	230.81	1092.17	234.98	1093
238.25	1093.55	240.4	1094	245.73	1094.39	256.26	1095	256.82	1095.01
258.15	1095.03	259	1095.03	263.29	1095.16	263.46	1095.17	264.48	1095.18
265.17	1095.19	265.73	1095.21	271.17	1095.38	286.98	1095.97	288.87	1095.97
291.69	1096	295.57	1096.01	295.84	1096.01	297.04	1096.01	308.9	1096.48
312.84	1096.63	318.98	1096.79	320.38	1096.82	323.88	1097	324.55	1097
325.32	1097.01	328.19	1097.03	330.03	1097.04	330.68	1097.04	331	1097.04
334.16	1097.06	336.66	1097.07	337.22	1097.07	341.85	1097.07	354.19	1097.5
359.3	1097.5	359.64	1097.53	360.1	1097.54	361.16	1097.54		

Manning's n Values num= 3					
Sta	n Val	Sta	n Val	Sta	n Val
0	.04	176.08	.1	256.26	.04

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	176.08	256.26		90	90		.3	.5

Ineffective Flow num= 2				
Sta L	Sta R	Elev	Permanent	
0	199	1094.5	F	
221	361.16	1094.5	F	

CROSS SECTION OUTPUT Profile #PF 1

E.G. Elev (ft)	1096.60	Element	Left OB	Channel
Right OB				
Vel Head (ft)	0.32	Wt. n-Val.	0.040	0.100
0.040				
W.S. Elev (ft)	1096.28	Reach Len. (ft)	90.00	90.00
90.00				
Crit W.S. (ft)	1094.79	Flow Area (sq ft)	476.14	342.70
29.72				
E.G. Slope (ft/ft)	0.005208	Area (sq ft)	476.14	342.70
29.72				
Q Total (cfs)	3455.00	Flow (cfs)	2438.33	958.39
58.28				
Top Width (ft)	303.74	Top Width (ft)	176.08	80.18
47.48				
Vel Total (ft/s)	4.07	Avg. Vel. (ft/s)	5.12	2.80
1.96				
Max Chl Dpth (ft)	6.78	Hydr. Depth (ft)	2.70	4.27
0.63				
Conv. Total (cfs)	47876.2	Conv. (cfs)	33788.1	13280.5
807.6				
Length Wtd. (ft)	90.00	Wetted Per. (ft)	180.34	81.37
47.50				

Glen Ivy Senior Living

ATTACHMENT A – Coldwater Canyon Creek

Min Ch El (ft)	1089.50	Shear (lb/sq ft)	0.86	1.37
0.20				
Alpha	1.25	Stream Power (lb/ft s)	361.16	0.00
0.00				
Frctn Loss (ft)		Cum Volume (acre-ft)	3.88	13.96
0.76				
C & E Loss (ft)		Cum SA (acres)	2.92	3.37
0.68				

Warning: The cross section had to be extended vertically during the critical depth calculations.

Warning: The parabolic search method failed to converge on critical depth. The program will try the cross section slice/secant method to find critical depth.

CULVERT

RIVER: Coldwater Canyon
 REACH: 6 RS: 8500

INPUT

Description: Temecal Crossing
 Distance from Upstream XS = 20
 Deck/Roadway Width = 42
 Weir Coefficient = 2.6
 Upstream Deck/Roadway Coordinates

num=	4								
Sta	Hi	Cord	Lo	Cord	Sta	Hi	Cord	Lo	Cord
170	1095	1087			190	1094.5	1087		
260	1095	1087			220	1094.5	1087		

Upstream Bridge Cross Section Data

Station Elevation Data	num=								
	99								
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	1092.05	2.13	1092.08	13.59	1092.17	15.87	1092.16	17.63	1092.18
18.93	1092.18	19.83	1092.19	21.41	1092.21	24.54	1092.27	27.51	1092.29
31.19	1092.33	40.2	1092.48	41.84	1092.51	49.35	1092.64	59.57	1092.96
60.37	1092.96	62.37	1092.98	63.82	1092.99	64.21	1093	66.03	1093.1
67.4	1093.13	72.01	1093.23	77.61	1093.39	99.66	1093.97	101.98	1093.97
103.6	1093.97	103.71	1093.97	103.89	1093.97	104.72	1093.98	104.99	1093.98
106.78	1094	107.49	1094	112.99	1094.14	122.97	1094.32	151.52	1094.85
155.17	1094.91	160.98	1095	162.65	1095.01	163.3	1095.01	167.66	1095.04
168.56	1095.04	169.16	1095.04	171.7	1095.03	176.08	1095	179.98	1094.23
180.98	1094	184.53	1093.23	185.61	1093	187.11	1092.71	190.55	1092
193.14	1091.49	195.47	1091	200	1089.5	220	1089.5	225.47	1091
226.01	1091.11	229.31	1091.84	230.02	1092	230.81	1092.17	234.98	1093
238.25	1093.55	240.4	1094	245.73	1094.39	256.26	1095	256.82	1095.01
258.15	1095.03	259	1095.03	263.29	1095.16	263.46	1095.17	264.48	1095.18
265.17	1095.19	265.73	1095.21	271.17	1095.38	286.98	1095.97	288.87	1095.97
291.69	1096	295.57	1096.01	295.84	1096.01	297.04	1096.01	308.9	1096.48
312.84	1096.63	318.98	1096.79	320.38	1096.82	323.88	1097	324.55	1097
325.32	1097.01	328.19	1097.03	330.03	1097.04	330.68	1097.04	331	1097.04
334.16	1097.06	336.66	1097.07	337.22	1097.07	341.85	1097.07	354.19	1097.5
359.3	1097.5	359.64	1097.53	360.1	1097.54	361.16	1097.54		

Manning's n Values	num=				
	3				
Sta	n Val	Sta	n Val	Sta	n Val
0	.04	176.08	.1	256.26	.04

Bank Sta:	Left	Right	Coeff Contr.	Expan.
	176.08	256.26	.3	.5

Glen Ivy Senior Living

ATTACHMENT A – Coldwater Canyon Creek

Ineffective Flow num= 2
 Sta L Sta R Elev Permanent
 0 199 1094.5 F
 221 361.16 1094.5 F

Downstream Deck/Roadway Coordinates
 num= 4
 Sta Hi Cord Lo Cord Sta Hi Cord Lo Cord Sta Hi Cord Lo Cord
 130 1094 1087 190 1094 1087 250 1093.6 1087
 270 1093.7 1087

Downstream Bridge Cross Section Data
 Station Elevation Data num= 154
 Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev
 0 1090.77 5.89 1090.95 6.67 1091 7.63 1091 7.65 1091
 7.85 1091 9.44 1091 9.47 1091 9.87 1091 21.31 1091.24
 24.18 1091.28 24.99 1091.31 33.51 1091.77 34.26 1091.82 35.14 1091.82
 38.77 1091.88 39.41 1091.88 43.68 1091.97 45.01 1092 45.85 1092.03
 46.11 1092.04 49.96 1092.21 59.98 1092.6 62.18 1092.7 68.89 1092.99
 69.1 1093 70.55 1093 74.77 1093.02 75.73 1093.02 76.13 1093.02
 77.28 1093.02 79.86 1093.04 84.68 1093.05 88.44 1093.07 100.99 1093.44
 112.78 1093.74 113.25 1093.76 113.87 1093.76 116.93 1093.83 117.19 1093.84
 117.63 1093.85 121.41 1093.91 121.91 1093.92 127.54 1093.97 128.04 1093.96
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 167.36 1092 167.75 1092 167.78 1092 167.99 1092.08 168.87 1092.5
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 177.16 1091.65 178.1 1091 178.63 1090.68 179.76 1090 180 1088.6
 183.76 1088.6 185.75 1088.6 187.11 1088.6 188.54 1088.6 190.62 1088.6
 192.58 1088.6 195.74 1088.6 197.06 1090.08 202.84 1090.93 203.3 1090.99
 203.32 1090.99 203.32 1091 203.33 1091 203.34 1091 203.36 1091
 204.78 1092 205.16 1092.38 206.07 1093 207.71 1093.01 208.59 1093.01
 210.82 1093 210.87 1093 211.24 1093 211.47 1093 211.58 1093
 212.14 1093 212.24 1093 213.75 1093.04 213.81 1093.04 230.07 1093.38
 237.39 1093.53 242.15 1093.6 246.37 1093.67 250.02 1093.68 254.92 1093.8
 255.72 1093.8 257.24 1093.83 258.67 1093.83 262.08 1093.87 271.95 1093.94
 272.54 1093.96 279.52 1094 279.99 1094 280.04 1094.01 286.08 1094.02
 286.2 1094.02 286.25 1094.02 286.43 1094.03 297.36 1094.24 298.18 1094.26
 304.76 1094.41 307.78 1094.47 310.45 1094.52 316.12 1094.59 320.17 1094.64
 324.01 1094.68 325.65 1094.71 333.63 1094.74 336.56 1094.76 340.1 1094.76
 342.45 1094.78 342.8 1094.79 352.64 1094.94 352.81 1094.95 355.45 1094.96
 355.81 1094.97 355.97 1094.98 356.1 1094.98 364.99 1095 369.63 1095.02
 369.75 1095.02 377.35 1095.04 377.8 1095.04 385.63 1095

Manning's n Values num= 3
 Sta n Val Sta n Val Sta n Val
 0 .05 132.8 .1 254.92 .05

Bank Sta: Left Right Coeff Contr. Expan.
 132.8 254.92 .3 .5

Ineffective Flow num= 2
 Sta L Sta R Elev Permanent
 0 180 1094 F
 196 385.63 1094 F

Upstream Embankment side slope = 0 horiz. to 1.0 vertical
 Downstream Embankment side slope = 0 horiz. to 1.0 vertical
 Maximum allowable submergence for weir flow = .98
 Elevation at which weir flow begins =
 Energy head used in spillway design =
 Spillway height used in design =

Glen Ivy Senior Living

ATTACHMENT A – Coldwater Canyon Creek

Weir crest shape = Broad Crested

Number of Culverts = 2

Culvert Name Shape Rise Span
 Culvert #1 Box 2 6
 FHWA Chart # 11- Skewed headwall; Chamfered or beveled Inlet
 FHWA Scale # 1 - Headwall skewed 45 deg.; inlet edges chamfered 3/4 inch
 Solution Criteria = Highest U.S. EG
 Culvert Upstrm Dist Length Top n Bottom n Depth Blocked Entrance Loss Coef
 Exit Loss Coef
 20 42 .015 .015 0 .5
 1
 Upstream Elevation = 1089.5
 Centerline Station = 205
 Downstream Elevation = 1088.6
 Centerline Station = 185

Culvert Name Shape Rise Span
 Culvert #2 Box 2 6
 FHWA Chart # 8 - flared wingwalls
 FHWA Scale # 1 - Wingwall flared 30 to 75 deg.
 Solution Criteria = Highest U.S. EG
 Culvert Upstrm Dist Length Top n Bottom n Depth Blocked Entrance Loss Coef
 Exit Loss Coef
 20 42 .015 .015 0 .5
 1
 Upstream Elevation = 1089.5
 Centerline Station = 212
 Downstream Elevation = 1088.6
 Centerline Station = 192

CULVERT OUTPUT Profile #PF 1 Culv Group: Culvert #1

Q Culv Group (cfs)	101.65	Culv Full Len (ft)	42.00
# Barrels	1	Culv Vel US (ft/s)	8.47
Q Barrel (cfs)	101.65	Culv Vel DS (ft/s)	8.47
E.G. US. (ft)	1096.60	Culv Inv El Up (ft)	1089.50
W.S. US. (ft)	1096.28	Culv Inv El Dn (ft)	1088.60
E.G. DS (ft)	1095.34	Culv Frctn Ls (ft)	0.46
W.S. DS (ft)	1094.46	Culv Exit Loss (ft)	0.24
Delta EG (ft)	1.26	Culv Entr Loss (ft)	0.56
Delta WS (ft)	1.81	Q Weir (cfs)	3251.16
E.G. IC (ft)	1094.09	Weir Sta Lft (ft)	0.00
E.G. OC (ft)	1096.59	Weir Sta Rgt (ft)	312.64
Culvert Control	Outlet	Weir Submerg	0.27
Culv WS Inlet (ft)	1091.50	Weir Max Depth (ft)	4.57
Culv WS Outlet (ft)	1090.60	Weir Avg Depth (ft)	2.38
Culv Nml Depth (ft)	1.26	Weir Flow Area (sq ft)	744.39
Culv Crt Depth (ft)	2.00	Min El Weir Flow (ft)	1094.51

Note: Culvert critical depth exceeds the height of the culvert.
 Note: During the supercritical calculations a hydraulic jump occurred inside of the culvert.
 Note: The culvert inlet is submerged and the culvert flows full over part or all of its length. Therefore, the culvert inlet equations are not valid and the supercritical result has been discarded.
 The outlet answer will be used.

CULVERT OUTPUT Profile #PF 1 Culv Group: Culvert #2

Q Culv Group (cfs)	102.19	Culv Full Len (ft)	42.00
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Glen Ivy Senior Living ATTACHMENT A – Coldwater Canyon Creek

# Barrels	1	Culv Vel US (ft/s)	8.52
Q Barrel (cfs)	102.19	Culv Vel DS (ft/s)	8.52
E.G. US. (ft)	1096.60	Culv Inv El Up (ft)	1089.50
W.S. US. (ft)	1096.28	Culv Inv El Dn (ft)	1088.60
E.G. DS (ft)	1095.34	Culv Frctn Ls (ft)	0.44
W.S. DS (ft)	1094.46	Culv Exit Loss (ft)	0.25
Delta EG (ft)	1.26	Culv Entr Loss (ft)	0.56
Delta WS (ft)	1.81	Q Weir (cfs)	3251.16
E.G. IC (ft)	1093.72	Weir Sta Lft (ft)	0.00
E.G. OC (ft)	1096.61	Weir Sta Rgt (ft)	312.64
Culvert Control	Outlet	Weir Submerg	0.27
Culv WS Inlet (ft)	1091.50	Weir Max Depth (ft)	4.57
Culv WS Outlet (ft)	1090.60	Weir Avg Depth (ft)	2.38
Culv Nml Depth (ft)	1.27	Weir Flow Area (sq ft)	744.39
Culv Crt Depth (ft)	2.00	Min El Weir Flow (ft)	1094.51

Note: Culvert critical depth exceeds the height of the culvert.
 Note: During the supercritical calculations a hydraulic jump occurred inside of the culvert.
 Note: The culvert inlet is submerged and the culvert flows full over part or all of its length. Therefore, the culvert inlet equations are not valid and the supercritical result has been discarded. The outlet answer will be used.

CROSS SECTION

RIVER: Coldwater Canyon
 REACH: 6 RS: 8450

INPUT

Description: Station 84+50 - Section 7

Station Elevation Data		num=		154					
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	1090.77	5.89	1090.95	6.67	1091	7.63	1091	7.65	1091
7.85	1091	9.44	1091	9.47	1091	9.87	1091	21.31	1091.24
24.18	1091.28	24.99	1091.31	33.51	1091.77	34.26	1091.82	35.14	1091.82
38.77	1091.88	39.41	1091.88	43.68	1091.97	45.01	1092	45.85	1092.03
46.11	1092.04	49.96	1092.21	59.98	1092.6	62.18	1092.7	68.89	1092.99
69.1	1093	70.55	1093	74.77	1093.02	75.73	1093.02	76.13	1093.02
77.28	1093.02	79.86	1093.04	84.68	1093.05	88.44	1093.07	100.99	1093.44
112.78	1093.74	113.25	1093.76	113.87	1093.76	116.93	1093.83	117.19	1093.84
117.63	1093.85	121.41	1093.91	121.91	1093.92	127.54	1093.97	128.04	1093.96
128.93	1093.94	130.93	1093.96	132.8	1093.96	132.84	1093.96	132.9	1093.96
134.75	1093.92	142.47	1093.63	145.06	1093.51	146.29	1093.44	150.27	1093.28
156.14	1093	160.76	1092.4	163.78	1092.28	165.26	1092.28	167.18	1092.01
167.36	1092	167.75	1092	167.78	1092	167.99	1092.08	168.87	1092.5
170	1093	171.97	1093.73	172.16	1093.75	172.33	1093.75	172.78	1093.68
174.37	1093	174.46	1092.97	174.81	1092.83	176.19	1092.24	176.65	1092
177.16	1091.65	178.1	1091	178.63	1090.68	179.76	1090	180	1088.6
183.76	1088.6	185.75	1088.6	187.11	1088.6	188.54	1088.6	190.62	1088.6
192.58	1088.6	195.74	1088.6	197.06	1090.08	202.84	1090.93	203.3	1090.99
203.32	1090.99	203.32	1091	203.33	1091	203.34	1091	203.36	1091
204.78	1092	205.16	1092.38	206.07	1093	207.71	1093.01	208.59	1093.01
210.82	1093	210.87	1093	211.24	1093	211.47	1093	211.58	1093
212.14	1093	212.24	1093	213.75	1093.04	213.81	1093.04	230.07	1093.38
237.39	1093.53	242.15	1093.6	246.37	1093.67	250.02	1093.68	254.92	1093.8
255.72	1093.8	257.24	1093.83	258.67	1093.83	262.08	1093.87	271.95	1093.94
272.54	1093.96	279.52	1094	279.99	1094	280.04	1094.01	286.08	1094.02
286.2	1094.02	286.25	1094.02	286.43	1094.03	297.36	1094.24	298.18	1094.26
304.76	1094.41	307.78	1094.47	310.45	1094.52	316.12	1094.59	320.17	1094.64
324.01	1094.68	325.65	1094.71	333.63	1094.74	336.56	1094.76	340.1	1094.76

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342.45	1094.78	342.8	1094.79	352.64	1094.94	352.81	1094.95	355.45	1094.96
355.81	1094.97	355.97	1094.98	356.1	1094.98	364.99	1095	369.63	1095.02
369.75	1095.02	377.35	1095.04	377.8	1095.04	385.63	1095		

Manning's n Values		num=		3	
Sta	n Val	Sta	n Val	Sta	n Val
0	.05	132.8	.1	254.92	.05

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	132.8	254.92		150	150		.3	.5
Ineffective Flow		num=		2				
Sta L	Sta R	Elev	Permanent					
0	180	1094	F					
196	385.63	1094	F					

CROSS SECTION OUTPUT Profile #PF 1

E.G. Elev (ft)	1095.34	Element	Left OB	Channel
Right OB				
Vel Head (ft)	0.87	Wt. n-Val.	0.050	0.100
0.050				
W.S. Elev (ft)	1094.46	Reach Len. (ft)	150.00	150.00
150.00				
Crit W.S. (ft)	1094.46	Flow Area (sq ft)	251.63	254.96
21.54				
E.G. Slope (ft/ft)	0.038316	Area (sq ft)	251.63	254.96
21.54				
Q Total (cfs)	3455.00	Flow (cfs)	2200.11	1185.80
69.10				
Top Width (ft)	307.50	Top Width (ft)	132.80	122.12
52.58				
Vel Total (ft/s)	6.54	Avg. Vel. (ft/s)	8.74	4.65
3.21				
Max Chl Dpth (ft)	5.86	Hydr. Depth (ft)	1.89	2.09
0.41				
Conv. Total (cfs)	17650.5	Conv. (cfs)	11239.7	6057.9
353.0				
Length Wtd. (ft)	150.00	Wetted Per. (ft)	136.55	126.09
52.58				
Min Ch El (ft)	1088.60	Shear (lb/sq ft)	4.41	4.84
0.98				
Alpha	1.32	Stream Power (lb/ft s)	385.63	0.00
0.00				
Frctn Loss (ft)	2.49	Cum Volume (acre-ft)	3.88	12.47
0.76				
C & E Loss (ft)	0.26	Cum SA (acres)	2.60	3.16
0.57				

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth

for the water surface and continued on with the calculations.

Warning: The cross-section end points had to be extended vertically for the computed water surface.

Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.

Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4.

This may indicate the need for additional cross sections.

Warning: The cross section had to be extended vertically during the critical depth calculations.

Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the

Glen Ivy Senior Living

ATTACHMENT A – Coldwater Canyon Creek

need for additional cross sections.
 Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION

RIVER: Coldwater Canyon
 REACH: 6 RS: 8245

INPUT

Description: Station 82+45 - Section 6

Station Elevation Data		num= 213							
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	1089.76	5.75	1089.87	8.54	1090	15.51	1090.55	16.62	1090.61
18.64	1090.74	19.74	1090.79	20.16	1090.8	20.45	1090.8	21.48	1090.78
22.35	1090.8	22.82	1090.78	24.44	1090.76	28.85	1090.49	29.89	1090.44
31.71	1090.32	32.84	1090.23	33.6	1090.2	34.16	1090.18	35.35	1090.2
36.74	1090.17	44.61	1090.38	45.5	1090.37	46.78	1090.4	49.18	1090.48
53.3	1090.68	54.72	1090.73	57.39	1091	59.11	1091.53	60.48	1092
61.38	1092	63.66	1092	64.81	1092	65.87	1092	69	1092
71.13	1091.99	72.27	1091.99	73.38	1091.99	73.65	1092	73.88	1092
74.64	1092	75.14	1091.92	79.07	1091.14	79.21	1091.13	79.73	1091
79.99	1091	80.57	1090.98	81.15	1090.98	81.45	1090.97	82.16	1090.97
83.13	1090.96	85.7	1090.97	87.4	1090.89	89.81	1091	89.83	1091
89.86	1091	90.91	1091.01	91.23	1091	92.2	1090.95	92.54	1090.9
97.92	1090	98.94	1090	101.01	1089.99	101.32	1089.99	102.21	1090
103.09	1090	103.89	1090	104.19	1090.03	104.4	1090.04	104.47	1090.05
105.11	1090.08	105.19	1090.08	105.27	1090.08	107.17	1090.1	108.6	1090.11
109.82	1090.05	110.79	1090	112.74	1089.91	113.98	1089.86	119.75	1089.6
121.26	1089.53	128.81	1089.18	130.41	1089.11	131.67	1089.08	131.85	1089.08
132.14	1089.06	132.42	1089.05	137.12	1089.03	138.48	1089.02	145.06	1089.05
151.31	1089.04	152.9	1089.03	157.23	1089	159.2	1088.99	159.77	1088.99
160.01	1088.99	160.87	1088.99	161.29	1088.99	162.39	1088.99	163.46	1088.99
164.29	1088.99	165.96	1089	167.96	1089.01	168.26	1089.01	168.87	1089.01
169.15	1089.01	174.43	1089.03	177.61	1089.02	181.15	1089.02	184.56	1089
185.12	1089	185.67	1089	185.79	1088.99	193.47	1088	203.69	1087.03
204.03	1087	204.12	1086.96	206.13	1086	209.04	1085.9	209.7	1085.88
212.09	1085.96	212.81	1085.98	213.52	1086	220.73	1086.01	221.52	1086.01
229.24	1086	229.5	1086	229.56	1085.98	230.43	1085.77	233.31	1085.03
233.43	1085	233.83	1084.99	240.13	1084.4	242.47	1084.35	244.49	1084.39
248.63	1084.72	251.31	1084.82	253.06	1085	256.66	1085.63	257.29	1085.77
257.8	1086	258.19	1086.21	260.22	1087	261.97	1087.74	262.76	1088
264.08	1088.36	264.51	1088.47	266.87	1089	268.12	1089.72	268.77	1090
268.95	1090.19	269.51	1091	270.34	1091.95	270.37	1092	270.39	1092.03
271.14	1093	271.32	1093.28	271.83	1094	272.37	1094.68	272.6	1095
272.77	1095.25	273.35	1096	273.62	1096.36	274.34	1097	275.21	1097.73
275.57	1098	275.83	1098.19	276.97	1099	277.68	1099.56	278.26	1100
279.21	1100.79	279.48	1101	280.27	1101.57	280.86	1102	281.09	1102.1
282.56	1103	283.59	1103.45	284.8	1104	286.7	1104.78	287.16	1105
287.88	1105.31	289.59	1106	291.57	1106.85	291.88	1107	292.29	1107.15
294.08	1108	296.13	1108.92	296.35	1109	296.54	1109.07	299.18	1110
299.37	1110.46	299.4	1110.48	299.44	1110.5	300.79	1112.56	302.35	1114.91
302.43	1114.9	302.51	1114.91	303.08	1114.79	303.52	1114.72	303.8	1114.88
304.01	1115	305.56	1115.96	305.62	1116	306.77	1116.7	307.21	1116.96
307.28	1117	307.32	1117.03	308.97	1118	309.45	1118.3	310.94	1119
311.67	1119.33	313.07	1120	313.39	1120.18				

Manning's n Values num= 3
 Sta n Val Sta n Val Sta n Val

Glen Ivy Senior Living

ATTACHMENT A – Coldwater Canyon Creek

```

0      .05 184.56      .1 266.87      .05
Bank Sta: Left   Right   Lengths: Left Channel   Right   Coeff Contr.   Expan.
          184.56 266.87          220   220   220          .1          .3
Ineffective Flow   num=      1
Sta L   Sta R   Elev Permanent
   0     75   1100      F
  
```

CROSS SECTION OUTPUT Profile #PF 1

```

E.G. Elev (ft)          1092.35   Element          Left OB   Channel
Right OB
Vel Head (ft)           0.35   Wt. n-Val.       0.050    0.100
0.050
W.S. Elev (ft)         1092.00   Reach Len. (ft)  220.00   220.00
220.00
Crit W.S. (ft)         1090.28   Flow Area (sq ft) 258.41   470.53
6.26
E.G. Slope (ft/ft)     0.009230  Area (sq ft)      352.87   470.53
6.26
Q Total (cfs)          3455.00   Flow (cfs)        1305.69   2127.74
21.57
Top Width (ft)         260.83   Top Width (ft)    175.02   82.31
3.50
Vel Total (ft/s)       4.70   Avg. Vel. (ft/s)  5.05     4.52
3.45
Max Chl Dpth (ft)     7.65   Hydr. Depth (ft)  2.36     5.72
1.79
Conv. Total (cfs)     35962.1  Conv. (cfs)       13590.5   22147.1
224.5
Length Wtd. (ft)      220.00   Wetted Per. (ft)  109.77   83.46
4.72
Min Ch El (ft)        1084.35   Shear (lb/sq ft)  1.36     3.25
0.76
Alpha                  1.01   Stream Power (lb/ft s) 313.39   0.00
0.00
Frctn Loss (ft)       3.68   Cum Volume (acre-ft) 2.84     11.22
0.71
C & E Loss (ft)       0.07   Cum SA (acres)    2.07     2.81
0.48
  
```

Warning: Divided flow computed for this cross-section.
 Warning: The cross-section end points had to be extended vertically for the computed water surface.

Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.

Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4.

This may indicate the need for additional cross sections.

Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.

Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy was used.

CROSS SECTION

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RIVER: Coldwater Canyon
REACH: 6          RS: 8025
  
```

INPUT

Glen Ivy Senior Living

ATTACHMENT A – Coldwater Canyon Creek

Description: Station 80+25 - Section 5

Station Elevation Data num= 164									
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	1088.42	4.46	1088.31	9.01	1088.23	11.75	1088.25	16.63	1088.42
17.07	1088.48	17.56	1088.42	18.5	1088.54	19.01	1088.5	19.19	1088.5
19.91	1088.59	20.83	1088.65	21.32	1088.69	24.11	1088.82	25.09	1088.9
25.15	1088.91	25.91	1088.91	26.7	1088.9	30.74	1088.76	35.76	1088.5
41.66	1088.23	45.99	1088	49.91	1087.69	51.02	1087.59	54.3	1087.42
56.31	1087.36	58.2	1087	62.82	1086.83	65.41	1086.75	67.57	1086.69
68.51	1086.65	69.99	1086.59	70.36	1086.58	71.39	1086.53	75.57	1086.44
78.75	1086.41	80.54	1086.43	82.17	1086.46	82.68	1086.47	86.04	1086.55
88.25	1086.63	89.01	1086.65	89.72	1086.66	90.3	1086.66	91.76	1086.67
93.45	1086.66	94.03	1086.67	100.17	1086.56	101.19	1086.55	102.13	1086.58
108.11	1086.66	117.65	1086.92	119.62	1087	119.77	1087	120.44	1087.01
123.51	1087.13	127.55	1087.26	129.44	1087.34	130.92	1087.39	132.18	1087.44
132.98	1087.46	138.44	1087.5	139.28	1087.51	141.59	1087.54	142.88	1087.52
145.52	1087.53	148.45	1087.58	148.85	1087.59	156.23	1088	156.7	1088
157.88	1088	161.05	1087.47	164.74	1087	165.22	1086.61	165.87	1086.17
166.12	1086	167.2	1085.08	167.3	1085	167.39	1084.92	168.74	1084
169.62	1083.21	169.85	1083	170.9	1082.1	171.02	1082	174.32	1081.05
174.55	1081	182.57	1080.02	182.72	1080	187.67	1079.94	188.13	1079.93
192.08	1079.98	193.34	1080	195.29	1080.35	198.91	1081	202.25	1081.54
205.66	1082	208.71	1082.02	209.36	1082.02	209.7	1082.02	209.8	1082.02
210.28	1082.02	210.38	1082.02	216.98	1082.26	218.27	1082.27	220.68	1082.34
221.15	1082.37	223.47	1082.69	225.59	1083	226.48	1083.66	226.88	1084
227.36	1084.39	227.82	1085	228.65	1085.8	228.81	1086	229.28	1086.49
229.64	1086.41	229.98	1086.61	230.83	1086.78	231.45	1086.75	231.79	1086.78
235.19	1086.77	235.9	1087	236.09	1087.05	238.46	1088	239.62	1088.53
240.7	1089	241.83	1089.5	243.02	1090	244.08	1090.52	245.22	1091
246.2	1091.37	247.65	1092	248.71	1092.47	249.77	1093	250.68	1093.5
251.78	1094	253.84	1094.9	254.02	1095	254.4	1095.17	256.3	1096
257.13	1096.38	258.51	1097	259.73	1097.64	260.58	1098	261.49	1098.47
262.62	1099	264.11	1099.72	265.19	1100	267.08	1100.5	267.61	1100.71
268.67	1101	270.64	1101.49	272.06	1102	273.08	1102.29	274.69	1103
276.34	1103.6	277.27	1104	278.39	1104.48	279.91	1105	281.01	1105.42
282.81	1106	284.3	1106.42	286.02	1107	288.14	1107.6		

Manning's n Values num= 3					
Sta	n Val	Sta	n Val	Sta	n Val
0	.055	156.7	.1	238.46	.055

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	156.7	238.46		125	125		.1	.3

CROSS SECTION OUTPUT Profile #PF 1

E.G. Elev (ft)	1088.60	Element	Left OB	Channel
Right OB				
Vel Head (ft)	1.01	Wt. n-Val.	0.055	0.100
W.S. Elev (ft)	1087.59	Reach Len. (ft)	125.00	125.00
125.00				
Crit W.S. (ft)	1086.18	Flow Area (sq ft)	65.01	384.33
E.G. Slope (ft/ft)	0.039118	Area (sq ft)	65.01	384.33
Q Total (cfs)	3455.00	Flow (cfs)	264.49	3190.51
Top Width (ft)	174.89	Top Width (ft)	97.79	77.10
Vel Total (ft/s)	7.69	Avg. Vel. (ft/s)	4.07	8.30
Max Chl Dpth (ft)	7.66	Hydr. Depth (ft)	0.66	4.98
Conv. Total (cfs)	17468.7	Conv. (cfs)	1337.3	16131.4
Length Wtd. (ft)	125.00	Wetted Per. (ft)	97.86	80.96
Min Ch El (ft)	1079.93	Shear (lb/sq ft)	1.62	11.59
Alpha	1.10	Stream Power (lb/ft s)	288.14	0.00
0.00				

Glen Ivy Senior Living

ATTACHMENT A – Coldwater Canyon Creek

Frctn Loss (ft)	4.01	Cum Volume (acre-ft)	1.78	9.07
0.70				
C & E Loss (ft)	0.15	Cum SA (acres)	1.38	2.40
0.47				

Warning: Divided flow computed for this cross-section.
 Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.
 Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.

CROSS SECTION

RIVER: Coldwater Canyon
 REACH: 6 RS: 7900

INPUT

Description: Station 79+00 - Section 4

Station Elevation Data		num=		175							
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	1086.96	.29	1086.96	2.11	1086.97	14.76	1087	18.43	1087.1		
18.45	1087.1	18.49	1087.1	20.63	1087.05	22.21	1087	23.64	1086.28		
24.26	1086	24.86	1085.74	26.34	1085	33.07	1084.11	33.81	1084		
34.75	1083.94	35.53	1083.91	38.49	1083.77	47.88	1083.33	52.56	1083.11		
53.47	1083.06	54.35	1083.03	54.99	1083	55.36	1083	57.75	1082.88		
67.53	1082.54	69.82	1082.46	75.64	1082.46	80.69	1082.36	84.17	1082.37		
86.26	1082.36	87.53	1082.33	88.62	1082.31	90.24	1082.29	91.79	1082.29		
92.5	1082.29	95.82	1082.31	99.94	1082.36	104.82	1082.4	110.11	1082.34		
117.1	1082.2	117.89	1082.23	118.43	1082.27	120.35	1082.13	120.57	1082.14		
121.48	1082.09	122.48	1082.06	122.89	1082.07	124.78	1082.06	124.88	1082.06		
124.98	1082.06	133.15	1082.12	133.22	1082.12	134.95	1082.02	135.24	1082.02		
135.72	1082.01	135.97	1082	138.39	1081.98	144.24	1081.88	151.62	1081.87		
156.14	1082	159.72	1082.04	161.58	1082.05	162.18	1082.05	162.76	1082.05		
163.26	1082.05	164.6	1082.05	165.76	1082.05	166.78	1082.04	169.41	1082.02		
170.06	1082.02	171.27	1082	174.86	1081.79	177.3	1081.52	181.84	1081		
183.97	1080.5	186.42	1080	187.72	1079.92	193.14	1079.62	200.78	1079		
208	1078.64	210.03	1078.57	215.04	1078.35	217.26	1078.25	221.08	1078.21		
224.06	1078.2	226.12	1078.42	226.49	1078.42	231.11	1079	232.15	1079.6		
232.75	1080	233.48	1080.46	236.05	1081	236.47	1081	236.85	1081		
237.59	1081	239.37	1081	242.16	1081	242.5	1081	242.69	1080.99		
242.77	1080.99	243.72	1080.96	247.32	1080.83	248.22	1080.81	248.9	1080.82		
249.17	1080.82	250.68	1080.84	251.53	1080.85	252.27	1080.87	256.27	1080.95		
256.72	1080.96	257.09	1080.95	258.5	1080.97	258.54	1080.97	259.45	1081		
260.37	1081	260.41	1081	260.62	1081	261.72	1081	261.79	1081		
262.96	1081	263.05	1081	263.47	1081	265.3	1081	265.93	1081		
266.41	1080.99	266.73	1080.99	267.12	1080.99	267.65	1080.99	267.89	1080.99		
268.04	1080.99	270.6	1081	272.06	1081.5	273.16	1082	274.47	1082.47		
275.37	1083	279.72	1083.55	286.81	1084	289.63	1084.37	292.08	1084.65		
292.5	1084.71	293.83	1085	294.59	1085.46	296.22	1086	296.63	1086.29		
297.95	1087	298.94	1087.37	299.9	1088	302.04	1088.65	303.1	1089		
304.77	1089.55	306.08	1090	307.35	1090.4	309.05	1091	310.73	1091.71		
311.29	1092	312.76	1092.89	312.94	1093	313.08	1093.08	314.52	1094		
315.95	1094.82	316.22	1095	316.9	1095.4	317.87	1096	319.03	1096.63		
319.71	1097	320.08	1097.26	320.41	1097.34	321.58	1098	322.5	1098.48		
323.44	1099	324.97	1099.79	325.39	1100	325.77	1100.2	326.13	1100.42		

Manning's n Values		num=		3	
Sta	n Val	Sta	n Val	Sta	n Val
0	.055	156.14	.1	274.47	.055

Glen Ivy Senior Living ATTACHMENT A – Coldwater Canyon Creek

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff Contr.	Expan.
	156.14	274.47		220	220	.1	.3

CROSS SECTION OUTPUT Profile #PF 1

E.G. Elev (ft)	1084.44	Element	Left OB	Channel
Right OB				
Vel Head (ft)	0.50	Wt. n-Val.	0.055	0.100
0.055				
W.S. Elev (ft)	1083.94	Reach Len. (ft)	220.00	220.00
220.00				
Crit W.S. (ft)	1083.24	Flow Area (sq ft)	177.72	427.31
5.15				
E.G. Slope (ft/ft)	0.026730	Area (sq ft)	177.72	427.31
5.15				
Q Total (cfs)	3455.00	Flow (cfs)	1012.12	2429.60
13.29				
Top Width (ft)	251.04	Top Width (ft)	121.34	118.33
11.36				
Vel Total (ft/s)	5.66	Avg. Vel. (ft/s)	5.69	5.69
2.58				
Max Chl Dpth (ft)	5.74	Hydr. Depth (ft)	1.46	3.61
0.45				
Conv. Total (cfs)	21132.4	Conv. (cfs)	6190.6	14860.5
81.3				
Length Wtd. (ft)	220.00	Wetted Per. (ft)	121.39	119.34
11.56				
Min Ch El (ft)	1078.20	Shear (lb/sq ft)	2.44	5.98
0.74				
Alpha	1.01	Stream Power (lb/ft s)	326.13	0.00
0.00				
Frctn Loss (ft)	4.03	Cum Volume (acre-ft)	1.43	7.90
0.69				
C & E Loss (ft)	0.08	Cum SA (acres)	1.07	2.12
0.45				

Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.

CROSS SECTION

RIVER: Coldwater Canyon

REACH: 6 RS: 7680

INPUT

Description: Station 76+80 - Section 3

Station		Elevation Data		num=		209			
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	1084.4	2.01	1084.4	14.49	1084.6	15.82	1084.62	19.55	1084.67
22.57	1084.7	26.06	1085	28.84	1085.76	29.75	1086	30.07	1086
30.57	1086.01	31.38	1086.01	31.77	1086.01	33.12	1086	36.07	1085.16
36.62	1085	37.97	1084.75	41.88	1084	45.99	1083.59	51.9	1083
66.86	1082.23	71.28	1082	73.43	1081.79	74.75	1081.71	76.8	1081.56
84.28	1081	89.18	1080.69	92.36	1080.51	102.85	1080	108.78	1079.73
110.54	1079.64	113.18	1079.49	117.57	1079.31	121.65	1079	125.87	1078.72
134.01	1078.53	144.34	1078.24	156.13	1078.04	157.33	1078	159.19	1077.69
163.89	1077	165.29	1076.52	166.72	1076	169.01	1075.11	169.33	1075
169.62	1074.88	170.18	1074.69	171.65	1074.21	172.3	1074	178.68	1073.11
179.43	1073	179.61	1072.97	182.48	1072	183.88	1071.47	185.41	1071
187.38	1070.27	188.23	1070	189.11	1069.98	190.88	1069.96	190.96	1069.96

Glen Ivy Senior Living ATTACHMENT A – Coldwater Canyon Creek

191	1069.96	193.25	1070	194.28	1070.66	195.15	1071	195.62	1071.35
196.25	1072	196.85	1072.42	197.54	1073	198.19	1073.57	198.98	1074
200.09	1074.35	202.69	1075	204.36	1075.45	206.56	1076	209.64	1076.58
212.98	1076.85	213.18	1076.87	213.33	1076.89	213.79	1076.91	215.08	1077
216.97	1077.09	221.02	1077.22	224.61	1077.28	227.88	1077.29	234.79	1077.07
234.88	1077.07	236.8	1077	239.24	1076.91	245.39	1076.67	246.31	1076.65
252.68	1076.66	261.27	1076.88	262.57	1077	271.43	1077.96	271.82	1078
274.24	1078.13	282.1	1078.55	285.39	1078.72	288.99	1078.9	290.97	1079
291.39	1079.08	291.47	1079.1	293.71	1079.45	294.63	1079.42	295.84	1079.28
295.95	1079.26	296.51	1079	296.79	1078.86	298.7	1078	300.85	1077.06
300.99	1077	307.66	1076.2	310.45	1076.2	312.15	1076.2	315.46	1076.38
316.75	1076.43	317.35	1076.49	318.34	1076.55	319	1076.58	320.41	1076.69
321.07	1076.69	326.96	1076.93	327.67	1076.97	328.55	1076.97	329.08	1076.98
329.8	1076.98	331.5	1077	331.54	1077	331.97	1077	333.59	1077.01
334.86	1077.01	335.37	1077.01	336.95	1077.01	337.7	1077.01	339	1077.01
340.58	1077.01	340.95	1077.01	343.6	1077	344.12	1077	345.19	1076.99
345.7	1076.99	345.95	1076.99	346.86	1077	347.29	1077	348.79	1077.17
355.37	1078	355.49	1078	355.8	1078	357.6	1077.69	361.69	1077
363.02	1076.99	364.79	1076.98	366.76	1076.96	367.66	1076.96	371.28	1076.99
371.94	1077	372.06	1077	373.01	1077.07	377.07	1077.34	384.12	1078
384.97	1078.72	385.45	1079	385.8	1079.24	386.63	1080	387.56	1080.64
387.97	1081	389.31	1081.67	389.86	1081.96	389.93	1082	390.03	1082.05
391.67	1083	393.26	1083.88	393.45	1084	393.64	1084.1	395.42	1085
395.62	1085.05	398.42	1086	401.3	1086.74	402.36	1087	403.58	1087.31
406.2	1088	409.03	1088.65	410.45	1089	411.48	1089.4	412.87	1090
414.7	1090.8	415.1	1091	417.02	1091.9	417.23	1092	417.49	1092.12
419.25	1093	420.01	1093.34	421.48	1094	423.76	1094.79	424.45	1095
424.77	1095.09	427.63	1096	429.3	1096.54	430.65	1097	431.79	1097.44
433.17	1098	434.32	1098.83	434.55	1099	434.81	1099.2	435.91	1100
436.75	1100.65	437.24	1101	437.67	1101.32	438.44	1101.86		

Manning's n Values num= 3
 Sta n Val Sta n Val Sta n Val
 0 .055 144.34 .1 385.45 .055

Bank Sta: Left Right Lengths: Left Channel Right Coeff Contr. Expan.
 144.34 385.45 205 205 205 .1 .3

CROSS SECTION OUTPUT Profile #PF 1

E.G. Elev (ft)	1080.32	Element	Left OB	Channel
Right OB				
Vel Head (ft)	0.23	Wt. n-Val.	0.055	0.100
0.055				
W.S. Elev (ft)	1080.09	Reach Len. (ft)	205.00	205.00
205.00				
Crit W.S. (ft)		Flow Area (sq ft)	45.07	844.78
0.73				
E.G. Slope (ft/ft)	0.013354	Area (sq ft)	45.07	844.78
0.73				
Q Total (cfs)	3455.00	Flow (cfs)	144.35	3309.34
1.31				
Top Width (ft)	285.75	Top Width (ft)	43.33	241.11
1.31				
Vel Total (ft/s)	3.88	Avg. Vel. (ft/s)	3.20	3.92
1.78				
Max Chl Dpth (ft)	10.13	Hydr. Depth (ft)	1.04	3.50
0.56				
Conv. Total (cfs)	29897.8	Conv. (cfs)	1249.1	28637.3
11.3				
Length Wtd. (ft)	205.00	Wetted Per. (ft)	43.38	245.17
1.71				

Glen Ivy Senior Living ATTACHMENT A – Coldwater Canyon Creek

Min Ch El (ft)	1069.96	Shear (lb/sq ft)	0.87	2.87
0.36				
Alpha	1.01	Stream Power (lb/ft s)	438.44	0.00
0.00				
Frctn Loss (ft)	3.62	Cum Volume (acre-ft)	0.87	4.69
0.67				
C & E Loss (ft)	0.02	Cum SA (acres)	0.65	1.22
0.42				

Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.

CROSS SECTION

RIVER: Coldwater Canyon
REACH: 6 RS: 7530

INPUT

Description: Sta. 75+30 - Section 2

Station	Elevation	Data	num=	200							
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	1082.08	.23	1082.08	1.14	1082.08	1.7	1082.07	2.08	1082.06		
2.21	1082.06	4.67	1082.03	6	1082.03	6.42	1082.03	6.53	1082.03		
8.96	1082.06	10.9	1082.04	12.77	1082	16.53	1081.11	17.01	1081		
18.66	1080.6	21.09	1080	23.24	1079.48	25.05	1079	28.02	1078.11		
28.42	1078	29.93	1077.1	30.16	1077	31.81	1076.04	31.88	1076		
32.36	1075.74	33.53	1075	34.37	1074.93	35.36	1074.9	36	1074.88		
39.29	1074.71	47.1	1074.32	49.51	1074.22	53.31	1074.2	56.79	1074.2		
57.04	1074.21	57.32	1074.23	57.7	1074.24	58.78	1074.28	68.12	1074.59		
74.05	1074.8	74.96	1074.81	76.48	1074.86	77.41	1074.88	78.66	1074.89		
79.73	1074.89	80.35	1074.89	88.12	1074.86	95.49	1074.85	97.25	1074.85		
110.01	1074.97	110.26	1074.97	110.33	1074.97	110.68	1074.96	112.56	1074.98		
118.7	1074.98	120.11	1074.99	120.27	1074.98	120.64	1074.98	121.48	1074.98		
123.36	1074.97	125.38	1074.98	126.4	1074.98	127.9	1075	131.94	1075.01		
132.54	1075.01	133.94	1075	134.75	1075	135.03	1075	135.8	1075		
137.14	1075.02	139.92	1075.01	140.46	1075	142.55	1074.87	144.96	1074.66		
149.94	1074	151.01	1073.92	155.83	1073.47	159.96	1073.07	160.59	1073		
161.75	1072.97	162.98	1072.94	164.77	1072.96	166.31	1073	171.96	1073.16		
172.31	1073.17	173.1	1073.15	175.28	1073.09	177.92	1073.03	179.22	1073		
203.9	1072.02	204.46	1072	204.5	1071.99	210.7	1071	212.35	1070.48		
214.07	1070	216.22	1069.29	217.07	1069	219.48	1068.21	220.08	1068		
221.89	1067.95	224.6	1067.88	227.32	1067.95	228.3	1067.97	229.25	1068		
230.35	1068.86	230.52	1069	231.2	1069.49	231.81	1070	232.84	1070.72		
233.18	1071	233.28	1071.07	233.48	1071.2	234.43	1072	235.68	1072.91		
235.89	1073	249.19	1073.99	249.23	1074	249.24	1074	249.28	1074		
249.35	1074.01	249.37	1074.01	249.66	1074.03	258.52	1074.75	261.16	1074.97		
261.26	1074.99	261.52	1075	261.57	1075	261.71	1075	261.93	1075		
262.24	1075.01	262.8	1075.03	263.22	1075.03	263.74	1075.05	264.69	1075.06		
266.48	1075.23	269.83	1075.44	274.75	1076	276.7	1076.58	278.39	1077		
279.74	1077.36	281.86	1078	287.44	1078.5	291.34	1078.8	291.76	1078.83		
292.08	1078.85	292.69	1078.87	293.69	1079	302.47	1079.58	308.71	1080		
310.48	1080.11	311.43	1080.17	312.16	1080.23	315.44	1080.5	321.12	1081		
324.45	1081.62	326.65	1082	330.85	1082.9	331.38	1083	331.61	1083.08		
334.14	1084	335.45	1084.89	335.61	1085	336.18	1085.46	336.87	1086		
337.13	1086.16	338.23	1087	339.18	1087.73	339.56	1088	340.47	1088.7		
340.88	1089	341.15	1089.14	343.19	1090	345.89	1090.92	346.13	1091		
346.39	1091.09	349.21	1092	350.09	1092.3	352.3	1093	354.65	1093.91		
354.9	1094	356.02	1094.62	356.78	1095	357.05	1095.17	358.63	1096		
360.16	1096.87	360.38	1097	360.72	1097.19	362.39	1098	363.53	1098.71		
364.05	1099	364.47	1099.25	365.81	1100	366.31	1100.33	367.36	1101		

Glen Ivy Senior Living

ATTACHMENT A – Coldwater Canyon Creek

368.17 1101.71 368.76 1102 369.09 1102.26 370.14 1103 370.52 1103.28

Manning's n Values num= 3
 Sta n Val Sta n Val Sta n Val
 0 .055 142.55 .1 258.52 .055

Bank Sta: Left Right Lengths: Left Channel Right Coeff Contr. Expan.
 142.55 258.52 190 190 190 .1 .3

CROSS SECTION OUTPUT Profile #PF 1

E.G. Elev (ft)	1076.68	Element	Left OB	Channel
Right OB				
Vel Head (ft)	0.48	Wt. n-Val.	0.055	0.100
0.055				
W.S. Elev (ft)	1076.20	Reach Len. (ft)	190.00	190.00
190.00				
Crit W.S. (ft)		Flow Area (sq ft)	157.39	451.53
14.87				
E.G. Slope (ft/ft)	0.024443	Area (sq ft)	157.39	451.53
14.87				
Q Total (cfs)	3455.00	Flow (cfs)	837.12	2560.38
57.49				
Top Width (ft)	243.88	Top Width (ft)	111.01	115.97
16.90				
Vel Total (ft/s)	5.54	Avg. Vel. (ft/s)	5.32	5.67
3.87				
Max Chl Dpth (ft)	8.32	Hydr. Depth (ft)	1.42	3.89
0.88				
Conv. Total (cfs)	22099.1	Conv. (cfs)	5354.5	16376.9
367.7				
Length Wtd. (ft)	190.00	Wetted Per. (ft)	111.38	118.40
16.99				
Min Ch El (ft)	1067.88	Shear (lb/sq ft)	2.16	5.82
1.34				
Alpha	1.01	Stream Power (lb/ft s)	370.52	0.00
0.00				
Frctn Loss (ft)	4.19	Cum Volume (acre-ft)	0.40	1.64
0.64				
C & E Loss (ft)	0.00	Cum SA (acres)	0.29	0.38
0.38				

Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.

CROSS SECTION

RIVER: Coldwater Canyon

REACH: 6 RS: 7340

INPUT

Description: Sta. 73+40 - Section 1

Station	Elevation	Data	num=	193			
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	1078.65	4.16	1078.58	6.1	1078.57	8.8	1078.49
15.39	1078.4	16.25	1078.38	16.95	1078.37	18.6	1078.34
26.24	1078.27	28.69	1078.27	31.15	1078.28	33.58	1078.29
35	1078.31	38.35	1078.35	43.16	1078.44	44.15	1078.46
48.13	1078.54	57.16	1078.97	57.72	1078.99	58.37	1078.99
69.23	1078.39	74.22	1078	80.65	1077.36	82.17	1077.24
				82.83	1077.19		

Glen Ivy Senior Living ATTACHMENT A – Coldwater Canyon Creek

85.68	1077	95.34	1076.3	96.15	1076.23	96.65	1076.18	97.39	1076
97.88	1075.85	99.86	1075.12	100.2	1075	100.58	1074.87	103.15	1074
107.28	1073.74	117.11	1073	122.85	1072.81	123.2	1072.81	132.19	1072.65
138.47	1072.56	140.22	1072.56	140.77	1072.56	144.61	1072.54	145.44	1072.54
149.06	1072.47	154.51	1072.43	156.68	1072.42	164.17	1072.13	166.77	1072.02
167.21	1072.02	168.41	1072.01	170.08	1072.01	171.24	1072.01	171.72	1072.01
172.96	1072.01	173.15	1072.01	174.32	1072	177.23	1072	177.34	1072
177.54	1072	182.36	1071.21	183.66	1071	184.69	1070.98	185.97	1070.97
190.01	1070.69	193.95	1070.46	199.1	1070.08	199.26	1070.06	200.24	1070
201.99	1069.24	202.53	1069	204.62	1068.11	204.86	1068	205.13	1067.88
206.57	1067.26	207.26	1067	207.33	1067	208	1066.98	208.74	1066.96
208.9	1066.96	210.26	1067	211.68	1067.02	212.51	1067.03	216.71	1067.07
218.88	1067.05	222.77	1067	223.97	1066.43	224.82	1066	225.99	1065.41
226.77	1065	227.73	1064.5	228.81	1064	230.43	1063.49	231.16	1063.45
231.93	1063.44	235.04	1063.36	237.59	1063.36	243.03	1064	243.13	1064.41
243.33	1065	243.4	1065.4	243.64	1066	243.85	1066.65	243.94	1067
244.01	1067.38	244.27	1068	244.31	1068.39	244.58	1069	244.91	1069.03
245.6	1069.03	250.32	1069.43	254.79	1069.8	255.81	1069.86	257.26	1070
260.73	1070	269.58	1070	270.07	1069.98	270.51	1069.97	270.69	1069.97
275.69	1069.95	287.39	1069.51	298.74	1069.22	302.86	1069.18	303.38	1069.22
303.76	1069.19	304.28	1069.17	304.94	1069.16	310.2	1069.63	310.99	1069.66
311.8	1069.72	314.66	1070	315.7	1070.01	320.51	1070.03	323.58	1070.02
326.52	1070.02	327.09	1070	328.51	1069.98	334.68	1069.93	335.35	1069.93
343.01	1070	343.2	1070.01	343.22	1070.01	353.1	1070.27	365.36	1070.98
365.43	1070.99	365.6	1071	365.62	1071	365.64	1071	365.66	1071
365.91	1071	366.19	1071	371.58	1071.01	373.38	1071.01	377.56	1071
379.64	1070.93	381.47	1070.88	395.49	1070.72	409.51	1070.88	409.55	1070.87
409.76	1071	410.24	1071.29	411.21	1072	412.28	1072.79	412.56	1073
413.49	1073.75	413.78	1074	413.98	1074.15	414.92	1075	416.29	1075.95
416.35	1076	416.42	1076.05	417.54	1077	418.56	1077.75	418.83	1078
420.09	1078.95	420.14	1079	420.18	1079.04	421.44	1080	421.69	1080.18
422.3	1080.78	422.49	1081	423.9	1081.9	424.01	1082	424.21	1082.11
425.78	1083	426.15	1083.2	426.72	1083.51				

Manning's n Values num= 3
 Sta n Val Sta n Val Sta n Val
 0 .055 199.1 .1 255.81 .055

Bank Sta: Left Right Lengths: Left Channel Right Coeff Contr. Expan.
 199.1 255.81 0 0 0 .1 .3

CROSS SECTION OUTPUT Profile #PF 1

E.G. Elev (ft)	1072.50	Element	Left OB	Channel
Right OB				
Vel Head (ft)	0.52	Wt. n-Val.	0.055	0.100
0.055				
W.S. Elev (ft)	1071.98	Reach Len. (ft)		
Crit W.S. (ft)	1071.37	Flow Area (sq ft)	24.13	299.51
277.27				
E.G. Slope (ft/ft)	0.019991	Area (sq ft)	24.13	299.51
277.27				
Q Total (cfs)	3455.00	Flow (cfs)	99.50	1800.11
1555.39				
Top Width (ft)	233.48	Top Width (ft)	21.41	56.71
155.37				
Vel Total (ft/s)	5.75	Avg. Vel. (ft/s)	4.12	6.01
5.61				
Max Chl Dpth (ft)	8.61	Hydr. Depth (ft)	1.13	5.28
1.78				
Conv. Total (cfs)	24436.2	Conv. (cfs)	703.7	12731.6
11000.8				

Glen Ivy Senior Living ATTACHMENT A – Coldwater Canyon Creek

Length Wtd. (ft)		Wetted Per. (ft)	21.52	61.90
155.80				
Min Ch El (ft)	1063.36	Shear (lb/sq ft)	1.40	6.04
2.22				
Alpha	1.01	Stream Power (lb/ft s)	426.72	0.00
0.00				
Frctn Loss (ft)		Cum Volume (acre-ft)		
C & E Loss (ft)		Cum SA (acres)		

SUMMARY OF MANNING'S N VALUES

River: Coldwater Canyon

Reach	River Sta.	n1	n2	n3
6	8700	.055	.1	.055
6	8540	.04	.1	.04
6	8500	Culvert		
6	8450	.05	.1	.05
6	8245	.05	.1	.05
6	8025	.055	.1	.055
6	7900	.055	.1	.055
6	7680	.055	.1	.055
6	7530	.055	.1	.055
6	7340	.055	.1	.055

SUMMARY OF REACH LENGTHS

River: Coldwater Canyon

Reach	River Sta.	Left	Channel	Right
6	8700	160	160	160
6	8540	90	90	90
6	8500	Culvert		
6	8450	150	150	150
6	8245	220	220	220
6	8025	125	125	125
6	7900	220	220	220
6	7680	205	205	205
6	7530	190	190	190
6	7340	0	0	0

SUMMARY OF CONTRACTION AND EXPANSION COEFFICIENTS

River: Coldwater Canyon

Reach	River Sta.	Contr.	Expan.
6	8700	.1	.3
6	8540	.3	.5
6	8500	Culvert	
6	8450	.3	.5
6	8245	.1	.3

Glen Ivy Senior Living ATTACHMENT A – Coldwater Canyon Creek

6	8025	.1	.3
6	7900	.1	.3
6	7680	.1	.3
6	7530	.1	.3
6	7340	.1	.3

Profile Output Table - Standard Table 1

Reach E.G. Elev (ft)	River Sta E.G. Slope (ft/ft)	Profile Sta Vel Chnl (ft/s)	Q Total Flow Area (sq ft)	Min Ch El Top Width (ft)	W.S. Elev Froude # Chl (ft)	Crit W.S. (ft)
6	8700	PF 1	3455.00	1091.00	1097.53	1094.73
1097.92	0.014370	5.01	690.18	335.30	0.40	
6	8540	PF 1	3455.00	1089.50	1096.28	1094.79
1096.60	0.005208	2.80	848.55	303.74	0.24	
6	8500	Culvert				
6	8450	PF 1	3455.00	1088.60	1094.46	1094.46
1095.34	0.038316	4.65	528.12	307.50	0.57	
6	8245	PF 1	3455.00	1084.35	1092.00	1090.28
1092.35	0.009230	4.52	735.20	260.83	0.33	
6	8025	PF 1	3455.00	1079.93	1087.59	1086.18
1088.60	0.039118	8.30	449.35	174.89	0.66	
6	7900	PF 1	3455.00	1078.20	1083.94	1083.24
1084.44	0.026730	5.69	610.18	251.04	0.53	
6	7680	PF 1	3455.00	1069.96	1080.09	
1080.32	0.013354	3.92	890.59	285.75	0.37	
6	7530	PF 1	3455.00	1067.88	1076.20	
1076.68	0.024443	5.67	623.79	243.88	0.51	
6	7340	PF 1	3455.00	1063.36	1071.98	1071.37
1072.50	0.019991	6.01	600.91	233.48	0.46	

ATTACHMENT B
Rational Methods
Existing and Proposed Conditions
10- and 100-year storm

Rational Method

Drainage Area A

Glen Ivy Senior Living

ATTACHMENT B – Rational Method, Drainage Area A

Riverside County Rational Hydrology Program

CIVILCADD/CIVILDESIGN Engineering Software, (c) 1989 - 2005 Version 7.1
Rational Hydrology Study Date: 05/26/20 File:shex10.out

Glen Ivy Senior Living
Hydrology Calculations
Existing Condition
10-year storm

***** Hydrology Study Control Information *****

English (in-lb) Units used in input data file

Program License Serial Number 4029

Rational Method Hydrology Program based on
Riverside County Flood Control & Water Conservation District
1978 hydrology manual

Storm event (year) = 10.00 Antecedent Moisture Condition = 2

Standard intensity-duration curves data (Plate D-4.1)

For the [Corona] area used.

10 year storm 10 minute intensity = 2.220 (In/Hr)

10 year storm 60 minute intensity = 0.940 (In/Hr)

100 year storm 10 minute intensity = 3.430 (In/Hr)

100 year storm 60 minute intensity = 1.450 (In/Hr)

Storm event year = 10.0

Calculated rainfall intensity data:

1 hour intensity = 0.940 (In/Hr)

Slope of intensity duration curve = 0.4800

Process from Point/Station 10.000 to Point/Station 11.000
**** INITIAL AREA EVALUATION ****

Initial area flow distance = 905.000 (Ft.)

Top (of initial area) elevation = 1144.000 (Ft.)

Bottom (of initial area) elevation = 1115.000 (Ft.)

Difference in elevation = 29.000 (Ft.)

Slope = 0.03204 s(percent) = 3.20

TC = $k(0.390) * [(length^3) / (elevation\ change)]^{0.2}$

Initial area time of concentration = 11.819 min.

Rainfall intensity = 2.050 (In/Hr) for a 10.0 year storm

SINGLE FAMILY (1/4 Acre Lot)

Runoff Coefficient = 0.820

Decimal fraction soil group A = 0.000

Decimal fraction soil group B = 0.000

Decimal fraction soil group C = 0.000

Decimal fraction soil group D = 1.000

RI index for soil (AMC 2) = 75.00

Pervious area fraction = 0.500; Impervious fraction = 0.500

Initial subarea runoff = 8.740 (CFS)

Total initial stream area = 5.200 (Ac.)

Pervious area fraction = 0.500

Glen Ivy Senior Living

ATTACHMENT B – Rational Method, Drainage Area A

Process from Point/Station 11.000 to Point/Station 12.000
 **** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****

Top of natural channel elevation = 1115.000(Ft.)
 End of natural channel elevation = 1083.000(Ft.)
 Length of natural channel = 918.000(Ft.)
 Estimated mean flow rate at midpoint of channel = 15.892(CFS)

Natural valley channel type used
 L.A. County flood control district formula for channel velocity:
 Velocity(ft/s) = $(7 + 8(q(\text{English Units})^{.352}) (\text{slope}^{.5}))$
 Velocity using mean channel flow = 5.26(Ft/s)

Correction to map slope used on extremely rugged channels with
 drops and waterfalls (Plate D-6.2)
 Normal channel slope = 0.0349
 Corrected/adjusted channel slope = 0.0349
 Travel time = 2.91 min. TC = 14.73 min.

Adding area flow to channel
 COMMERCIAL subarea type
 Runoff Coefficient = 0.883
 Decimal fraction soil group A = 0.000
 Decimal fraction soil group B = 0.000
 Decimal fraction soil group C = 0.000
 Decimal fraction soil group D = 1.000
 RI index for soil(AMC 2) = 75.00
 Pervious area fraction = 0.100; Impervious fraction = 0.900
 Rainfall intensity = 1.845(In/Hr) for a 10.0 year storm
 Subarea runoff = 13.855(CFS) for 8.510(Ac.)
 Total runoff = 22.595(CFS) Total area = 13.710(Ac.)

+++++
 Process from Point/Station 11.000 to Point/Station 12.000
 **** SUBAREA FLOW ADDITION ****

UNDEVELOPED (poor cover) subarea
 Runoff Coefficient = 0.826
 Decimal fraction soil group A = 0.000
 Decimal fraction soil group B = 0.000
 Decimal fraction soil group C = 0.000
 Decimal fraction soil group D = 1.000
 RI index for soil(AMC 2) = 89.00
 Pervious area fraction = 1.000; Impervious fraction = 0.000
 Time of concentration = 14.73 min.
 Rainfall intensity = 1.845(In/Hr) for a 10.0 year storm
 Subarea runoff = 9.130(CFS) for 5.990(Ac.)
 Total runoff = 31.725(CFS) Total area = 19.700(Ac.)

+++++
 Process from Point/Station 20.000 to Point/Station 21.000
 **** INITIAL AREA EVALUATION ****

Initial area flow distance = 327.000(Ft.)
 Top (of initial area) elevation = 1104.200(Ft.)
 Bottom (of initial area) elevation = 1093.500(Ft.)
 Difference in elevation = 10.700(Ft.)
 Slope = $0.03272 \text{ s(percent)} = 3.27$
 $TC = k(0.480) * [(length^3) / (elevation \text{ change})]^{.2}$
 Initial area time of concentration = 9.640 min.
 Rainfall intensity = 2.261(In/Hr) for a 10.0 year storm
 SINGLE FAMILY (1 Acre Lot)
 Runoff Coefficient = 0.782
 Decimal fraction soil group A = 0.000
 Decimal fraction soil group B = 0.000
 Decimal fraction soil group C = 0.000
 Decimal fraction soil group D = 1.000
 RI index for soil(AMC 2) = 75.00

Glen Ivy Senior Living ATTACHMENT B – Rational Method, Drainage Area A

Pervious area fraction = 0.800; Impervious fraction = 0.200
Initial subarea runoff = 1.803 (CFS)
Total initial stream area = 1.020 (Ac.)
Pervious area fraction = 0.800
End of computations, total study area = 20.72 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.

Area averaged pervious area fraction(Ap) = 0.495
Area averaged RI index number = 79.0

Glen Ivy Senior Living

ATTACHMENT B – Rational Method, Drainage Area A

Riverside County Rational Hydrology Program

CIVILCADD/CIVILDESIGN Engineering Software, (c) 1989 - 2005 Version 7.1
Rational Hydrology Study Date: 05/22/20 File:shex100.out

Glen Ivy Senior Living
Hydrology Calculations
Existing Condition
100-year storm

***** Hydrology Study Control Information *****

English (in-lb) Units used in input data file

Program License Serial Number 4029

Rational Method Hydrology Program based on
Riverside County Flood Control & Water Conservation District
1978 hydrology manual

Storm event (year) = 100.00 Antecedent Moisture Condition = 2

Standard intensity-duration curves data (Plate D-4.1)

For the [Corona] area used.

10 year storm 10 minute intensity = 2.220(In/Hr)

10 year storm 60 minute intensity = 0.940(In/Hr)

100 year storm 10 minute intensity = 3.430(In/Hr)

100 year storm 60 minute intensity = 1.450(In/Hr)

Storm event year = 100.0

Calculated rainfall intensity data:

1 hour intensity = 1.450(In/Hr)

Slope of intensity duration curve = 0.4800

++++
Process from Point/Station 10.000 to Point/Station 11.000
**** INITIAL AREA EVALUATION ****

Initial area flow distance = 905.000(Ft.)
Top (of initial area) elevation = 1144.000(Ft.)
Bottom (of initial area) elevation = 1115.000(Ft.)
Difference in elevation = 29.000(Ft.)
Slope = 0.03204 s(percent)= 3.20
TC = k(0.390)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration = 11.819 min.
Rainfall intensity = 3.163(In/Hr) for a 100.0 year storm
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.845
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 1.000
RI index for soil(AMC 2) = 75.00
Pervious area fraction = 0.500; Impervious fraction = 0.500
Initial subarea runoff = 13.889(CFS)
Total initial stream area = 5.200(Ac.)
Pervious area fraction = 0.500

++++
Process from Point/Station 11.000 to Point/Station 12.000

Glen Ivy Senior Living

ATTACHMENT B – Rational Method, Drainage Area A

**** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****

Top of natural channel elevation = 1115.000 (Ft.)
 End of natural channel elevation = 1083.000 (Ft.)
 Length of natural channel = 918.000 (Ft.)
 Estimated mean flow rate at midpoint of channel = 25.254 (CFS)

Natural valley channel type used
 L.A. County flood control district formula for channel velocity:
 Velocity (ft/s) = $(7 + 8(q(\text{English Units})^{.352})(\text{slope}^{.5}))$
 Velocity using mean channel flow = 5.96 (Ft/s)

Correction to map slope used on extremely rugged channels with
 drops and waterfalls (Plate D-6.2)
 Normal channel slope = 0.0349
 Corrected/adjusted channel slope = 0.0349
 Travel time = 2.57 min. TC = 14.39 min.

Adding area flow to channel
 COMMERCIAL subarea type
 Runoff Coefficient = 0.888
 Decimal fraction soil group A = 0.000
 Decimal fraction soil group B = 0.000
 Decimal fraction soil group C = 0.000
 Decimal fraction soil group D = 1.000
 RI index for soil (AMC 2) = 75.00
 Pervious area fraction = 0.100; Impervious fraction = 0.900
 Rainfall intensity = 2.878 (In/Hr) for a 100.0 year storm
 Subarea runoff = 21.747 (CFS) for 8.510 (Ac.)
 Total runoff = 35.636 (CFS) Total area = 13.710 (Ac.)

 Process from Point/Station 11.000 to Point/Station 12.000
 **** SUBAREA FLOW ADDITION ****

UNDEVELOPED (poor cover) subarea
 Runoff Coefficient = 0.851
 Decimal fraction soil group A = 0.000
 Decimal fraction soil group B = 0.000
 Decimal fraction soil group C = 0.000
 Decimal fraction soil group D = 1.000
 RI index for soil (AMC 2) = 89.00
 Pervious area fraction = 1.000; Impervious fraction = 0.000
 Time of concentration = 14.39 min.
 Rainfall intensity = 2.878 (In/Hr) for a 100.0 year storm
 Subarea runoff = 14.675 (CFS) for 5.990 (Ac.)
 Total runoff = 50.311 (CFS) Total area = 19.700 (Ac.)

 Process from Point/Station 20.000 to Point/Station 21.000
 **** INITIAL AREA EVALUATION ****

Initial area flow distance = 327.000 (Ft.)
 Top (of initial area) elevation = 1104.200 (Ft.)
 Bottom (of initial area) elevation = 1093.500 (Ft.)
 Difference in elevation = 10.700 (Ft.)
 Slope = 0.03272 s(percent) = 3.27
 $TC = k(0.480)*[(\text{length}^3)/(\text{elevation change})^{.2}]$
 Initial area time of concentration = 9.640 min.
 Rainfall intensity = 3.488 (In/Hr) for a 100.0 year storm
 SINGLE FAMILY (1 Acre Lot)
 Runoff Coefficient = 0.819
 Decimal fraction soil group A = 0.000
 Decimal fraction soil group B = 0.000
 Decimal fraction soil group C = 0.000
 Decimal fraction soil group D = 1.000
 RI index for soil (AMC 2) = 75.00
 Pervious area fraction = 0.800; Impervious fraction = 0.200

Glen Ivy Senior Living ATTACHMENT B – Rational Method, Drainage Area A

Initial subarea runoff = 2.912 (CFS)
Total initial stream area = 1.020 (Ac.)
Pervious area fraction = 0.800
End of computations, total study area = 20.72 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.

Area averaged pervious area fraction (A_p) = 0.495
Area averaged RI index number = 79.0

Glen Ivy Senior Living

ATTACHMENT B – Rational Method, Drainage Area A

Riverside County Rational Hydrology Program

CIVILCADD/CIVILDESIGN Engineering Software, (c) 1989 - 2005 Version 7.1
Rational Hydrology Study Date: 05/26/20 File:shpr10.out

Glen Ivy Senior Living
Hydrology Calculations
Proposed Condition
10-year storm

***** Hydrology Study Control Information *****

English (in-lb) Units used in input data file

Program License Serial Number 4029

Rational Method Hydrology Program based on
Riverside County Flood Control & Water Conservation District
1978 hydrology manual

Storm event (year) = 10.00 Antecedent Moisture Condition = 2

Standard intensity-duration curves data (Plate D-4.1)

For the [Corona] area used.

10 year storm 10 minute intensity = 2.220 (In/Hr)

10 year storm 60 minute intensity = 0.940 (In/Hr)

100 year storm 10 minute intensity = 3.430 (In/Hr)

100 year storm 60 minute intensity = 1.450 (In/Hr)

Storm event year = 10.0

Calculated rainfall intensity data:

1 hour intensity = 0.940 (In/Hr)

Slope of intensity duration curve = 0.4800

Process from Point/Station 10.000 to Point/Station 11.000
**** INITIAL AREA EVALUATION ****

Initial area flow distance = 774.000 (Ft.)

Top (of initial area) elevation = 1144.000 (Ft.)

Bottom (of initial area) elevation = 1120.000 (Ft.)

Difference in elevation = 24.000 (Ft.)

Slope = 0.03101 s(percent) = 3.10

TC = $k(0.390) * [(length^3) / (elevation\ change)]^{0.2}$

Initial area time of concentration = 11.175 min.

Rainfall intensity = 2.106 (In/Hr) for a 10.0 year storm

SINGLE FAMILY (1/4 Acre Lot)

Runoff Coefficient = 0.822

Decimal fraction soil group A = 0.000

Decimal fraction soil group B = 0.000

Decimal fraction soil group C = 0.000

Decimal fraction soil group D = 1.000

RI index for soil (AMC 2) = 75.00

Pervious area fraction = 0.500; Impervious fraction = 0.500

Initial subarea runoff = 3.755 (CFS)

Total initial stream area = 2.170 (Ac.)

Pervious area fraction = 0.500

Glen Ivy Senior Living

ATTACHMENT B – Rational Method, Drainage Area A

Process from Point/Station 11.000 to Point/Station 12.000
 **** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****

Top of natural channel elevation = 1120.000(Ft.)
 End of natural channel elevation = 1101.000(Ft.)
 Length of natural channel = 584.000(Ft.)
 Estimated mean flow rate at midpoint of channel = 5.745(CFS)

Natural valley channel type used
 L.A. County flood control district formula for channel velocity:
 Velocity(ft/s) = (7 + 8(q(English Units)^{0.352})(slope^{0.5})
 Velocity using mean channel flow = 3.93(Ft/s)

Correction to map slope used on extremely rugged channels with drops and waterfalls (Plate D-6.2)
 Normal channel slope = 0.0325
 Corrected/adjusted channel slope = 0.0325
 Travel time = 2.47 min. TC = 13.65 min.

Adding area flow to channel
 COMMERCIAL subarea type
 Runoff Coefficient = 0.883
 Decimal fraction soil group A = 0.000
 Decimal fraction soil group B = 0.000
 Decimal fraction soil group C = 0.000
 Decimal fraction soil group D = 1.000
 RI index for soil(AMC 2) = 75.00
 Pervious area fraction = 0.100; Impervious fraction = 0.900
 Rainfall intensity = 1.913(In/Hr) for a 10.0 year storm
 Subarea runoff = 3.886(CFS) for 2.300(Ac.)
 Total runoff = 7.641(CFS) Total area = 4.470(Ac.)

 Process from Point/Station 12.000 to Point/Station 13.000
 **** PIPEFLOW TRAVEL TIME (Program estimated size) ****

Upstream point/station elevation = 1096.000(Ft.)
 Downstream point/station elevation = 1088.000(Ft.)
 Pipe length = 210.00(Ft.) Manning's N = 0.013
 No. of pipes = 1 Required pipe flow = 7.641(CFS)
 Nearest computed pipe diameter = 15.00(In.)
 Calculated individual pipe flow = 7.641(CFS)
 Normal flow depth in pipe = 8.43(In.)
 Flow top width inside pipe = 14.89(In.)
 Critical Depth = 13.16(In.)
 Pipe flow velocity = 10.76(Ft/s)
 Travel time through pipe = 0.33 min.
 Time of concentration (TC) = 13.98 min.

 Process from Point/Station 12.000 to Point/Station 13.000
 **** SUBAREA FLOW ADDITION ****

APARTMENT subarea type
 Runoff Coefficient = 0.866
 Decimal fraction soil group A = 0.000
 Decimal fraction soil group B = 0.000
 Decimal fraction soil group C = 0.000
 Decimal fraction soil group D = 1.000
 RI index for soil(AMC 2) = 75.00
 Pervious area fraction = 0.200; Impervious fraction = 0.800
 Time of concentration = 13.98 min.
 Rainfall intensity = 1.892(In/Hr) for a 10.0 year storm
 Subarea runoff = 4.864(CFS) for 2.970(Ac.)
 Total runoff = 12.505(CFS) Total area = 7.440(Ac.)

Glen Ivy Senior Living

ATTACHMENT B – Rational Method, Drainage Area A

Process from Point/Station 13.000 to Point/Station 14.000
 **** PIPEFLOW TRAVEL TIME (Program estimated size) ****

Upstream point/station elevation = 1088.000(Ft.)
 Downstream point/station elevation = 1086.000(Ft.)
 Pipe length = 134.00(Ft.) Manning's N = 0.013
 No. of pipes = 1 Required pipe flow = 12.505(CFS)
 Nearest computed pipe diameter = 18.00(In.)
 Calculated individual pipe flow = 12.505(CFS)
 Normal flow depth in pipe = 14.34(In.)
 Flow top width inside pipe = 14.48(In.)
 Critical Depth = 16.00(In.)
 Pipe flow velocity = 8.28(Ft/s)
 Travel time through pipe = 0.27 min.
 Time of concentration (TC) = 14.25 min.

+++++
 Process from Point/Station 13.000 to Point/Station 14.000
 **** SUBAREA FLOW ADDITION ****

APARTMENT subarea type
 Runoff Coefficient = 0.866
 Decimal fraction soil group A = 0.000
 Decimal fraction soil group B = 0.000
 Decimal fraction soil group C = 0.000
 Decimal fraction soil group D = 1.000
 RI index for soil(AMC 2) = 75.00
 Pervious area fraction = 0.200; Impervious fraction = 0.800
 Time of concentration = 14.25 min.
 Rainfall intensity = 1.874(In/Hr) for a 10.0 year storm
 Subarea runoff = 8.874(CFS) for 5.470(Ac.)
 Total runoff = 21.379(CFS) Total area = 12.910(Ac.)

+++++
 Process from Point/Station 14.000 to Point/Station 15.000
 **** PIPEFLOW TRAVEL TIME (Program estimated size) ****

Upstream point/station elevation = 1086.000(Ft.)
 Downstream point/station elevation = 1084.000(Ft.)
 Pipe length = 162.00(Ft.) Manning's N = 0.013
 No. of pipes = 1 Required pipe flow = 21.379(CFS)
 Nearest computed pipe diameter = 24.00(In.)
 Calculated individual pipe flow = 21.379(CFS)
 Normal flow depth in pipe = 17.02(In.)
 Flow top width inside pipe = 21.80(In.)
 Critical Depth = 19.86(In.)
 Pipe flow velocity = 8.98(Ft/s)
 Travel time through pipe = 0.30 min.
 Time of concentration (TC) = 14.55 min.

+++++
 Process from Point/Station 14.000 to Point/Station 15.000
 **** SUBAREA FLOW ADDITION ****

COMMERCIAL subarea type
 Runoff Coefficient = 0.883
 Decimal fraction soil group A = 0.000
 Decimal fraction soil group B = 0.000
 Decimal fraction soil group C = 0.000
 Decimal fraction soil group D = 1.000
 RI index for soil(AMC 2) = 75.00
 Pervious area fraction = 0.100; Impervious fraction = 0.900
 Time of concentration = 14.55 min.
 Rainfall intensity = 1.856(In/Hr) for a 10.0 year storm
 Subarea runoff = 2.588(CFS) for 1.580(Ac.)
 Total runoff = 23.967(CFS) Total area = 14.490(Ac.)

Glen Ivy Senior Living

ATTACHMENT B – Rational Method, Drainage Area A

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+++++
Process from Point/Station      15.000 to Point/Station      16.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****

```

```

Upstream point/station elevation = 1084.000(Ft.)
Downstream point/station elevation = 1081.500(Ft.)
Pipe length = 330.00(Ft.) Manning's N = 0.013
No. of pipes = 1 Required pipe flow = 23.967(CFS)
Nearest computed pipe diameter = 27.00(In.)
Calculated individual pipe flow = 23.967(CFS)
Normal flow depth in pipe = 19.83(In.)
Flow top width inside pipe = 23.85(In.)
Critical Depth = 20.55(In.)
Pipe flow velocity = 7.66(Ft/s)
Travel time through pipe = 0.72 min.
Time of concentration (TC) = 15.26 min.

```

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+++++
Process from Point/Station      15.000 to Point/Station      16.000
**** CONFLUENCE OF MINOR STREAMS ****

```

```

Along Main Stream number: 1 in normal stream number 1
Stream flow area = 14.490(Ac.)
Runoff from this stream = 23.967(CFS)
Time of concentration = 15.26 min.
Rainfall intensity = 1.813(In/Hr)

```

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+++++
Process from Point/Station      16.100 to Point/Station      16.200
**** INITIAL AREA EVALUATION ****

```

```

Initial area flow distance = 420.000(Ft.)
Top (of initial area) elevation = 1108.000(Ft.)
Bottom (of initial area) elevation = 1096.000(Ft.)
Difference in elevation = 12.000(Ft.)
Slope = 0.02857 s(percent)= 2.86
TC = k(0.390)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration = 8.896 min.
Rainfall intensity = 2.350(In/Hr) for a 10.0 year storm
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.828
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 1.000
RI index for soil(AMC 2) = 75.00
Pervious area fraction = 0.500; Impervious fraction = 0.500
Initial subarea runoff = 1.674(CFS)
Total initial stream area = 0.860(Ac.)
Pervious area fraction = 0.500

```

```

+++++
Process from Point/Station      16.200 to Point/Station      16.300
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****

```

```

Upstream point/station elevation = 1090.000(Ft.)
Downstream point/station elevation = 1085.000(Ft.)
Pipe length = 481.00(Ft.) Manning's N = 0.013
No. of pipes = 1 Required pipe flow = 1.674(CFS)
Nearest computed pipe diameter = 9.00(In.)
Calculated individual pipe flow = 1.674(CFS)
Normal flow depth in pipe = 7.31(In.)
Flow top width inside pipe = 7.03(In.)
Critical Depth = 7.14(In.)
Pipe flow velocity = 4.35(Ft/s)
Travel time through pipe = 1.84 min.
Time of concentration (TC) = 10.74 min.

```

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ATTACHMENT B – Rational Method, Drainage Area A

```

+++++
Process from Point/Station      16.200 to Point/Station      16.300
**** SUBAREA FLOW ADDITION ****

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```

COMMERCIAL subarea type
Runoff Coefficient = 0.885
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 1.000
RI index for soil(AMC 2) = 75.00
Pervious area fraction = 0.100; Impervious fraction = 0.900
Time of concentration = 10.74 min.
Rainfall intensity = 2.147(In/Hr) for a 10.0 year storm
Subarea runoff = 5.241(CFS) for 2.760(Ac.)
Total runoff = 6.915(CFS) Total area = 3.620(Ac.)

```

```

+++++
Process from Point/Station      16.300 to Point/Station      16.400
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****

```

```

Upstream point/station elevation = 1085.000(Ft.)
Downstream point/station elevation = 1083.000(Ft.)
Pipe length = 336.00(Ft.) Manning's N = 0.013
No. of pipes = 1 Required pipe flow = 6.915(CFS)
Nearest computed pipe diameter = 18.00(In.)
Calculated individual pipe flow = 6.915(CFS)
Normal flow depth in pipe = 12.79(In.)
Flow top width inside pipe = 16.33(In.)
Critical Depth = 12.22(In.)
Pipe flow velocity = 5.15(Ft/s)
Travel time through pipe = 1.09 min.
Time of concentration (TC) = 11.82 min.

```

```

+++++
Process from Point/Station      16.300 to Point/Station      16.400
**** SUBAREA FLOW ADDITION ****

```

```

COMMERCIAL subarea type
Runoff Coefficient = 0.884
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 1.000
RI index for soil(AMC 2) = 75.00
Pervious area fraction = 0.100; Impervious fraction = 0.900
Time of concentration = 11.82 min.
Rainfall intensity = 2.050(In/Hr) for a 10.0 year storm
Subarea runoff = 6.233(CFS) for 3.440(Ac.)
Total runoff = 13.148(CFS) Total area = 7.060(Ac.)

```

```

+++++
Process from Point/Station      16.400 to Point/Station      16.500
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****

```

```

Upstream point/station elevation = 1083.000(Ft.)
Downstream point/station elevation = 1082.500(Ft.)
Pipe length = 50.00(Ft.) Manning's N = 0.013
No. of pipes = 1 Required pipe flow = 13.148(CFS)
Nearest computed pipe diameter = 21.00(In.)
Calculated individual pipe flow = 13.148(CFS)
Normal flow depth in pipe = 14.60(In.)
Flow top width inside pipe = 19.33(In.)
Critical Depth = 16.19(In.)
Pipe flow velocity = 7.37(Ft/s)
Travel time through pipe = 0.11 min.
Time of concentration (TC) = 11.94 min.

```

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ATTACHMENT B – Rational Method, Drainage Area A

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+++++
Process from Point/Station      16.400 to Point/Station      16.500
**** SUBAREA FLOW ADDITION ****

```

```

COMMERCIAL subarea type
Runoff Coefficient = 0.884
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 1.000
RI index for soil(AMC 2) = 75.00
Pervious area fraction = 0.100; Impervious fraction = 0.900
Time of concentration = 11.94 min.
Rainfall intensity = 2.040(In/Hr) for a 10.0 year storm
Subarea runoff = 3.860(CFS) for 2.140(Ac.)
Total runoff = 17.008(CFS) Total area = 9.200(Ac.)

```

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+++++
Process from Point/Station      16.400 to Point/Station      16.500
**** SUBAREA FLOW ADDITION ****

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```

UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.833
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 1.000
RI index for soil(AMC 2) = 89.00
Pervious area fraction = 1.000; Impervious fraction = 0.000
Time of concentration = 11.94 min.
Rainfall intensity = 2.040(In/Hr) for a 10.0 year storm
Subarea runoff = 0.952(CFS) for 0.560(Ac.)
Total runoff = 17.959(CFS) Total area = 9.760(Ac.)

```

```

+++++
Process from Point/Station      16.500 to Point/Station      16.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****

```

```

Upstream point/station elevation = 1082.500(Ft.)
Downstream point/station elevation = 1081.500(Ft.)
Pipe length = 200.00(Ft.) Manning's N = 0.013
No. of pipes = 1 Required pipe flow = 17.959(CFS)
Nearest computed pipe diameter = 27.00(In.)
Calculated individual pipe flow = 17.959(CFS)
Normal flow depth in pipe = 18.61(In.)
Flow top width inside pipe = 24.99(In.)
Critical Depth = 17.78(In.)
Pipe flow velocity = 6.15(Ft/s)
Travel time through pipe = 0.54 min.
Time of concentration (TC) = 12.48 min.

```

```

+++++
Process from Point/Station      16.500 to Point/Station      16.000
**** CONFLUENCE OF MINOR STREAMS ****

```

```

Along Main Stream number: 1 in normal stream number 2
Stream flow area = 9.760(Ac.)
Runoff from this stream = 17.959(CFS)
Time of concentration = 12.48 min.
Rainfall intensity = 1.997(In/Hr)
Summary of stream data:

```

Stream No.	Flow rate (CFS)	TC (min)	Rainfall Intensity (In/Hr)
------------	-----------------	----------	----------------------------

Glen Ivy Senior Living ATTACHMENT B – Rational Method, Drainage Area A

1	23.967	15.26	1.813
2	17.959	12.48	1.997

Largest stream flow has longer time of concentration

Qp = 23.967 + sum of

	Qb	Ia/Ib	
Qp =	17.959 *	0.908 =	16.305

Qp = 40.272

Total of 2 streams to confluence:
 Flow rates before confluence point:
 23.967 17.959

Area of streams before confluence:
 14.490 9.760

Results of confluence:
 Total flow rate = 40.272 (CFS)
 Time of concentration = 15.264 min.
 Effective stream area after confluence = 24.250 (Ac.)
 End of computations, total study area = 24.25 (Ac.)

The following figures may
 be used for a unit hydrograph study of the same area.

Area averaged pervious area fraction (Ap) = 0.206
 Area averaged RI index number = 75.3

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ATTACHMENT B – Rational Method, Drainage Area A

Riverside County Rational Hydrology Program

CIVILCADD/CIVILDESIGN Engineering Software, (c) 1989 - 2005 Version 7.1
Rational Hydrology Study Date: 05/22/20 File:shpr100.out

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Hydrology Calculations
Proposed Condition
100-year storm

***** Hydrology Study Control Information *****

English (in-lb) Units used in input data file

Program License Serial Number 4029

Rational Method Hydrology Program based on
Riverside County Flood Control & Water Conservation District
1978 hydrology manual

Storm event (year) = 100.00 Antecedent Moisture Condition = 2

Standard intensity-duration curves data (Plate D-4.1)

For the [Corona] area used.

10 year storm 10 minute intensity = 2.220(In/Hr)

10 year storm 60 minute intensity = 0.940(In/Hr)

100 year storm 10 minute intensity = 3.430(In/Hr)

100 year storm 60 minute intensity = 1.450(In/Hr)

Storm event year = 100.0

Calculated rainfall intensity data:

1 hour intensity = 1.450(In/Hr)

Slope of intensity duration curve = 0.4800

Process from Point/Station 10.000 to Point/Station 11.000
**** INITIAL AREA EVALUATION ****

Initial area flow distance = 774.000(Ft.)

Top (of initial area) elevation = 1144.000(Ft.)

Bottom (of initial area) elevation = 1120.000(Ft.)

Difference in elevation = 24.000(Ft.)

Slope = 0.03101 s(percent)= 3.10

TC = $k(0.390)*[(\text{length}^3)/(\text{elevation change})]^{0.2}$

Initial area time of concentration = 11.175 min.

Rainfall intensity = 3.249(In/Hr) for a 100.0 year storm

SINGLE FAMILY (1/4 Acre Lot)

Runoff Coefficient = 0.846

Decimal fraction soil group A = 0.000

Decimal fraction soil group B = 0.000

Decimal fraction soil group C = 0.000

Decimal fraction soil group D = 1.000

RI index for soil(AMC 2) = 75.00

Pervious area fraction = 0.500; Impervious fraction = 0.500

Initial subarea runoff = 5.963(CFS)

Total initial stream area = 2.170(Ac.)

Pervious area fraction = 0.500

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ATTACHMENT B – Rational Method, Drainage Area A

Process from Point/Station 11.000 to Point/Station 12.000
 **** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****

Top of natural channel elevation = 1120.000(Ft.)
 End of natural channel elevation = 1101.000(Ft.)
 Length of natural channel = 584.000(Ft.)
 Estimated mean flow rate at midpoint of channel = 9.123(CFS)

Natural valley channel type used
 L.A. County flood control district formula for channel velocity:
 Velocity(ft/s) = $(7 + 8(q(\text{English Units})^{.352})(\text{slope}^{.5}))$
 Velocity using mean channel flow = 4.40(Ft/s)

Correction to map slope used on extremely rugged channels with
 drops and waterfalls (Plate D-6.2)
 Normal channel slope = 0.0325
 Corrected/adjusted channel slope = 0.0325
 Travel time = 2.21 min. TC = 13.39 min.

Adding area flow to channel
 COMMERCIAL subarea type
 Runoff Coefficient = 0.888
 Decimal fraction soil group A = 0.000
 Decimal fraction soil group B = 0.000
 Decimal fraction soil group C = 0.000
 Decimal fraction soil group D = 1.000
 RI index for soil(AMC 2) = 75.00
 Pervious area fraction = 0.100; Impervious fraction = 0.900
 Rainfall intensity = 2.979(In/Hr) for a 100.0 year storm
 Subarea runoff = 6.087(CFS) for 2.300(Ac.)
 Total runoff = 12.050(CFS) Total area = 4.470(Ac.)

+++++
 Process from Point/Station 12.000 to Point/Station 13.000
 **** PIPEFLOW TRAVEL TIME (Program estimated size) ****

Upstream point/station elevation = 1096.000(Ft.)
 Downstream point/station elevation = 1088.000(Ft.)
 Pipe length = 210.00(Ft.) Manning's N = 0.013
 No. of pipes = 1 Required pipe flow = 12.050(CFS)
 Nearest computed pipe diameter = 15.00(In.)
 Calculated individual pipe flow = 12.050(CFS)
 Normal flow depth in pipe = 11.74(In.)
 Flow top width inside pipe = 12.37(In.)
 Critical depth could not be calculated.
 Pipe flow velocity = 11.70(Ft/s)
 Travel time through pipe = 0.30 min.
 Time of concentration (TC) = 13.68 min.

+++++
 Process from Point/Station 12.000 to Point/Station 13.000
 **** SUBAREA FLOW ADDITION ****

APARTMENT subarea type
 Runoff Coefficient = 0.876
 Decimal fraction soil group A = 0.000
 Decimal fraction soil group B = 0.000
 Decimal fraction soil group C = 0.000
 Decimal fraction soil group D = 1.000
 RI index for soil(AMC 2) = 75.00
 Pervious area fraction = 0.200; Impervious fraction = 0.800
 Time of concentration = 13.68 min.
 Rainfall intensity = 2.948(In/Hr) for a 100.0 year storm
 Subarea runoff = 7.673(CFS) for 2.970(Ac.)
 Total runoff = 19.723(CFS) Total area = 7.440(Ac.)

+++++

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ATTACHMENT B – Rational Method, Drainage Area A

Process from Point/Station 13.000 to Point/Station 14.000
 **** PIPEFLOW TRAVEL TIME (Program estimated size) ****

Upstream point/station elevation = 1088.000(Ft.)
 Downstream point/station elevation = 1086.000(Ft.)
 Pipe length = 134.00(Ft.) Manning's N = 0.013
 No. of pipes = 1 Required pipe flow = 19.723(CFS)
 Nearest computed pipe diameter = 21.00(In.)
 Calculated individual pipe flow = 19.723(CFS)
 Normal flow depth in pipe = 17.58(In.)
 Flow top width inside pipe = 15.51(In.)
 Critical Depth = 19.11(In.)
 Pipe flow velocity = 9.17(Ft/s)
 Travel time through pipe = 0.24 min.
 Time of concentration (TC) = 13.93 min.

+++++
 Process from Point/Station 13.000 to Point/Station 14.000
 **** SUBAREA FLOW ADDITION ****

APARTMENT subarea type
 Runoff Coefficient = 0.876
 Decimal fraction soil group A = 0.000
 Decimal fraction soil group B = 0.000
 Decimal fraction soil group C = 0.000
 Decimal fraction soil group D = 1.000
 RI index for soil(AMC 2) = 75.00
 Pervious area fraction = 0.200; Impervious fraction = 0.800
 Time of concentration = 13.93 min.
 Rainfall intensity = 2.923(In/Hr) for a 100.0 year storm
 Subarea runoff = 14.010(CFS) for 5.470(Ac.)
 Total runoff = 33.732(CFS) Total area = 12.910(Ac.)

+++++
 Process from Point/Station 14.000 to Point/Station 15.000
 **** PIPEFLOW TRAVEL TIME (Program estimated size) ****

Upstream point/station elevation = 1086.000(Ft.)
 Downstream point/station elevation = 1084.000(Ft.)
 Pipe length = 162.00(Ft.) Manning's N = 0.013
 No. of pipes = 1 Required pipe flow = 33.732(CFS)
 Nearest computed pipe diameter = 27.00(In.)
 Calculated individual pipe flow = 33.732(CFS)
 Normal flow depth in pipe = 21.66(In.)
 Flow top width inside pipe = 21.52(In.)
 Critical Depth = 23.81(In.)
 Pipe flow velocity = 9.86(Ft/s)
 Travel time through pipe = 0.27 min.
 Time of concentration (TC) = 14.20 min.

+++++
 Process from Point/Station 14.000 to Point/Station 15.000
 **** SUBAREA FLOW ADDITION ****

COMMERCIAL subarea type
 Runoff Coefficient = 0.888
 Decimal fraction soil group A = 0.000
 Decimal fraction soil group B = 0.000
 Decimal fraction soil group C = 0.000
 Decimal fraction soil group D = 1.000
 RI index for soil(AMC 2) = 75.00
 Pervious area fraction = 0.100; Impervious fraction = 0.900
 Time of concentration = 14.20 min.
 Rainfall intensity = 2.896(In/Hr) for a 100.0 year storm
 Subarea runoff = 4.063(CFS) for 1.580(Ac.)
 Total runoff = 37.795(CFS) Total area = 14.490(Ac.)

Glen Ivy Senior Living
ATTACHMENT B – Rational Method, Drainage Area A

+++++
Process from Point/Station 15.000 to Point/Station 16.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****

Upstream point/station elevation = 1084.000(Ft.)
Downstream point/station elevation = 1081.500(Ft.)
Pipe length = 330.00(Ft.) Manning's N = 0.013
No. of pipes = 1 Required pipe flow = 37.795(CFS)
Nearest computed pipe diameter = 30.00(In.)
Calculated individual pipe flow = 37.795(CFS)
Normal flow depth in pipe = 26.63(In.)
Flow top width inside pipe = 18.96(In.)
Critical Depth = 24.96(In.)
Pipe flow velocity = 8.21(Ft/s)
Travel time through pipe = 0.67 min.
Time of concentration (TC) = 14.87 min.

+++++
Process from Point/Station 15.000 to Point/Station 16.000
**** CONFLUENCE OF MINOR STREAMS ****

Along Main Stream number: 1 in normal stream number 1
Stream flow area = 14.490(Ac.)
Runoff from this stream = 37.795(CFS)
Time of concentration = 14.87 min.
Rainfall intensity = 2.832(In/Hr)

+++++
Process from Point/Station 16.100 to Point/Station 16.200
**** INITIAL AREA EVALUATION ****

Initial area flow distance = 420.000(Ft.)
Top (of initial area) elevation = 1108.000(Ft.)
Bottom (of initial area) elevation = 1096.000(Ft.)
Difference in elevation = 12.000(Ft.)
Slope = 0.02857 s(percent)= 2.86
TC = $k(0.390)*[(length^3)/(elevation\ change)]^{0.2}$
Initial area time of concentration = 8.896 min.
Rainfall intensity = 3.625(In/Hr) for a 100.0 year storm
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.851
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 1.000
RI index for soil(AMC 2) = 75.00
Pervious area fraction = 0.500; Impervious fraction = 0.500
Initial subarea runoff = 2.652(CFS)
Total initial stream area = 0.860(Ac.)
Pervious area fraction = 0.500

+++++
Process from Point/Station 16.200 to Point/Station 16.300
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****

Upstream point/station elevation = 1090.000(Ft.)
Downstream point/station elevation = 1085.000(Ft.)
Pipe length = 481.00(Ft.) Manning's N = 0.013
No. of pipes = 1 Required pipe flow = 2.652(CFS)
Nearest computed pipe diameter = 12.00(In.)
Calculated individual pipe flow = 2.652(CFS)
Normal flow depth in pipe = 7.61(In.)
Flow top width inside pipe = 11.56(In.)
Critical Depth = 8.37(In.)
Pipe flow velocity = 5.05(Ft/s)
Travel time through pipe = 1.59 min.
Time of concentration (TC) = 10.48 min.

Glen Ivy Senior Living

ATTACHMENT B – Rational Method, Drainage Area A

+++++
 Process from Point/Station 16.200 to Point/Station 16.300
 **** SUBAREA FLOW ADDITION ****

COMMERCIAL subarea type
 Runoff Coefficient = 0.889
 Decimal fraction soil group A = 0.000
 Decimal fraction soil group B = 0.000
 Decimal fraction soil group C = 0.000
 Decimal fraction soil group D = 1.000
 RI index for soil(AMC 2) = 75.00
 Pervious area fraction = 0.100; Impervious fraction = 0.900
 Time of concentration = 10.48 min.
 Rainfall intensity = 3.350(In/Hr) for a 100.0 year storm
 Subarea runoff = 8.224(CFS) for 2.760(Ac.)
 Total runoff = 10.876(CFS) Total area = 3.620(Ac.)

+++++
 Process from Point/Station 16.300 to Point/Station 16.400
 **** PIPEFLOW TRAVEL TIME (Program estimated size) ****

Upstream point/station elevation = 1085.000(Ft.)
 Downstream point/station elevation = 1083.000(Ft.)
 Pipe length = 336.00(Ft.) Manning's N = 0.013
 No. of pipes = 1 Required pipe flow = 10.876(CFS)
 Nearest computed pipe diameter = 21.00(In.)
 Calculated individual pipe flow = 10.876(CFS)
 Normal flow depth in pipe = 15.42(In.)
 Flow top width inside pipe = 18.55(In.)
 Critical Depth = 14.75(In.)
 Pipe flow velocity = 5.74(Ft/s)
 Travel time through pipe = 0.98 min.
 Time of concentration (TC) = 11.46 min.

+++++
 Process from Point/Station 16.300 to Point/Station 16.400
 **** SUBAREA FLOW ADDITION ****

COMMERCIAL subarea type
 Runoff Coefficient = 0.889
 Decimal fraction soil group A = 0.000
 Decimal fraction soil group B = 0.000
 Decimal fraction soil group C = 0.000
 Decimal fraction soil group D = 1.000
 RI index for soil(AMC 2) = 75.00
 Pervious area fraction = 0.100; Impervious fraction = 0.900
 Time of concentration = 11.46 min.
 Rainfall intensity = 3.210(In/Hr) for a 100.0 year storm
 Subarea runoff = 9.817(CFS) for 3.440(Ac.)
 Total runoff = 20.693(CFS) Total area = 7.060(Ac.)

+++++
 Process from Point/Station 16.400 to Point/Station 16.500
 **** PIPEFLOW TRAVEL TIME (Program estimated size) ****

Upstream point/station elevation = 1083.000(Ft.)
 Downstream point/station elevation = 1082.500(Ft.)
 Pipe length = 50.00(Ft.) Manning's N = 0.013
 No. of pipes = 1 Required pipe flow = 20.693(CFS)
 Nearest computed pipe diameter = 24.00(In.)
 Calculated individual pipe flow = 20.693(CFS)
 Normal flow depth in pipe = 18.05(In.)
 Flow top width inside pipe = 20.73(In.)
 Critical Depth = 19.56(In.)
 Pipe flow velocity = 8.16(Ft/s)
 Travel time through pipe = 0.10 min.
 Time of concentration (TC) = 11.56 min.

Glen Ivy Senior Living

ATTACHMENT B – Rational Method, Drainage Area A

 Process from Point/Station 16.400 to Point/Station 16.500
 **** SUBAREA FLOW ADDITION ****

COMMERCIAL subarea type
 Runoff Coefficient = 0.889
 Decimal fraction soil group A = 0.000
 Decimal fraction soil group B = 0.000
 Decimal fraction soil group C = 0.000
 Decimal fraction soil group D = 1.000
 RI index for soil(AMC 2) = 75.00
 Pervious area fraction = 0.100; Impervious fraction = 0.900
 Time of concentration = 11.56 min.
 Rainfall intensity = 3.196(In/Hr) for a 100.0 year storm
 Subarea runoff = 6.081(CFS) for 2.140(Ac.)
 Total runoff = 26.774(CFS) Total area = 9.200(Ac.)

 Process from Point/Station 16.400 to Point/Station 16.500
 **** SUBAREA FLOW ADDITION ****

UNDEVELOPED (poor cover) subarea
 Runoff Coefficient = 0.856
 Decimal fraction soil group A = 0.000
 Decimal fraction soil group B = 0.000
 Decimal fraction soil group C = 0.000
 Decimal fraction soil group D = 1.000
 RI index for soil(AMC 2) = 89.00
 Pervious area fraction = 1.000; Impervious fraction = 0.000
 Time of concentration = 11.56 min.
 Rainfall intensity = 3.196(In/Hr) for a 100.0 year storm
 Subarea runoff = 1.532(CFS) for 0.560(Ac.)
 Total runoff = 28.306(CFS) Total area = 9.760(Ac.)

 Process from Point/Station 16.500 to Point/Station 16.000
 **** PIPEFLOW TRAVEL TIME (Program estimated size) ****

Upstream point/station elevation = 1082.500(Ft.)
 Downstream point/station elevation = 1081.500(Ft.)
 Pipe length = 200.00(Ft.) Manning's N = 0.013
 No. of pipes = 1 Required pipe flow = 28.306(CFS)
 Nearest computed pipe diameter = 30.00(In.)
 Calculated individual pipe flow = 28.306(CFS)
 Normal flow depth in pipe = 23.95(In.)
 Flow top width inside pipe = 24.07(In.)
 Critical Depth = 21.77(In.)
 Pipe flow velocity = 6.73(Ft/s)
 Travel time through pipe = 0.50 min.
 Time of concentration (TC) = 12.06 min.

 Process from Point/Station 16.500 to Point/Station 16.000
 **** CONFLUENCE OF MINOR STREAMS ****

Along Main Stream number: 1 in normal stream number 2
 Stream flow area = 9.760(Ac.)
 Runoff from this stream = 28.306(CFS)
 Time of concentration = 12.06 min.
 Rainfall intensity = 3.133(In/Hr)
 Summary of stream data:

Stream No.	Flow rate (CFS)	TC (min)	Rainfall Intensity (In/Hr)
------------	-----------------	----------	----------------------------

Glen Ivy Senior Living ATTACHMENT B – Rational Method, Drainage Area A

1	37.795	14.87	2.832
2	28.306	12.06	3.133

Largest stream flow has longer time of concentration

Qp = 37.795 + sum of

	Qb	Ia/Ib	
	28.306 *	0.904 =	25.593

Qp = 63.388

Total of 2 streams to confluence:
 Flow rates before confluence point:
 37.795 28.306

Area of streams before confluence:
 14.490 9.760

Results of confluence:
 Total flow rate = 63.388 (CFS)
 Time of concentration = 14.872 min.
 Effective stream area after confluence = 24.250 (Ac.)
 End of computations, total study area = 24.25 (Ac.)

The following figures may
 be used for a unit hydrograph study of the same area.

Area averaged pervious area fraction (Ap) = 0.206
 Area averaged RI index number = 75.3

ATTACHMENT C
HCOC – Inflow Hydrographs
Existing and Proposed Conditions
2-, -5, 10-yr 1-, 3-, 6-, 24-hr storm

Inflow Hydrographs

Drainage Area A

Glen Ivy Senior Living

ATTACHMENT C – Inflow Hydrographs

Unit Hydrograph Analysis

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 4029

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Glen Ivy Senior Living
Inflow Hydrograph Calculations
Existing Condition
2-year 1-hour storm

Drainage Area = 9.73 (Ac.) = 0.015 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 9.73 (Ac.) = 0.015 Sq. Mi.
Length along longest watercourse = 1323.00 (Ft.)
Length along longest watercourse measured to centroid = 593.00 (Ft.)
Length along longest watercourse = 0.251 Mi.
Length along longest watercourse measured to centroid = 0.112 Mi.
Difference in elevation = 20.80 (Ft.)
Slope along watercourse = 83.0113 Ft./Mi.
Average Manning's 'N' = 0.025
Lag time = 0.067 Hr.
Lag time = 4.00 Min.
25% of lag time = 1.00 Min.
40% of lag time = 1.60 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00 (CFS)

2 YEAR Area rainfall data:

Area (Ac.) [1]	Rainfall (In) [2]	Weighting [1*2]
9.73	0.51	4.98

100 YEAR Area rainfall data:

Area (Ac.) [1]	Rainfall (In) [2]	Weighting [1*2]
9.73	1.43	13.91

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 0.512 (In)
Area Averaged 100-Year Rainfall = 1.430 (In)

Point rain (area averaged) = 0.512 (In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 0.512 (In)

Sub-Area Data:
Area (Ac.) Runoff Index Impervious %

Glen Ivy Senior Living ATTACHMENT C – Inflow Hydrographs

0+ 5	0.0006	0.09	Q					
0+10	0.0024	0.26	VQ					
0+15	0.0047	0.33	Q					
0+20	0.0073	0.38	QV					
0+25	0.0102	0.41	Q V					
0+30	0.0132	0.45	Q V					
0+35	0.0168	0.51	Q V					
0+40	0.0209	0.61	Q V					
0+45	0.0296	1.26	Q V					
0+50	0.0599	4.40	QV					
0+55	0.0997	5.77	Q V					
1+ 0	0.1133	1.98	Q					
1+ 5	0.1202	1.00	Q					
1+10	0.1236	0.49	Q					
1+15	0.1254	0.27	Q					
1+20	0.1264	0.14	Q					
1+25	0.1265	0.01	Q					
1+30	0.1265	0.00	Q					

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ATTACHMENT C – Inflow Hydrographs

U n i t H y d r o g r a p h A n a l y s i s

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 4029

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Glen Ivy Senior Living
Inflow Hydrograph Calculations
Existing Condition
2-year 3-hour storm

Drainage Area = 9.73(Ac.) = 0.015 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 9.73(Ac.) = 0.015 Sq. Mi.
Length along longest watercourse = 1323.00(Ft.)
Length along longest watercourse measured to centroid = 593.00(Ft.)
Length along longest watercourse = 0.251 Mi.
Length along longest watercourse measured to centroid = 0.112 Mi.
Difference in elevation = 20.80(Ft.)
Slope along watercourse = 83.0113 Ft./Mi.
Average Manning's 'N' = 0.025
Lag time = 0.067 Hr.
Lag time = 4.00 Min.
25% of lag time = 1.00 Min.
40% of lag time = 1.60 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.) [1]	Rainfall(In) [2]	Weighting[1*2]
9.73	0.88	8.60

100 YEAR Area rainfall data:

Area(Ac.) [1]	Rainfall(In) [2]	Weighting[1*2]
9.73	2.28	22.18

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 0.884(In)
Area Averaged 100-Year Rainfall = 2.280(In)

Point rain (area averaged) = 0.884(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 0.884(In)

Sub-Area Data:
Area(Ac.) Runoff Index Impervious %
9.730 75.00 0.025
Total Area Entered = 9.73(Ac.)

Glen Ivy Senior Living

ATTACHMENT C – Inflow Hydrographs

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
75.0	57.0	0.501	0.025	0.489	1.000	0.489
						Sum (F) = 0.489

Area averaged mean soil loss (F) (In/Hr) = 0.489
 Minimum soil loss rate ((In/Hr)) = 0.245
 (for 24 hour storm duration)
 Soil loss rate (decimal) = 0.870

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	124.897	2.608
2	0.167	249.794	4.760
3	0.250	374.691	1.265
4	0.333	499.588	0.569
5	0.417	624.485	0.317
6	0.500	749.382	0.176
7	0.583	874.279	0.112
		Sum = 100.000	Sum= 9.806

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
			Max	Low	
1	0.08	1.30	(0.489)	0.120	0.018
2	0.17	1.30	(0.489)	0.120	0.018
3	0.25	1.10	(0.489)	0.102	0.015
4	0.33	1.50	(0.489)	0.138	0.021
5	0.42	1.50	(0.489)	0.138	0.021
6	0.50	1.80	(0.489)	0.166	0.025
7	0.58	1.50	(0.489)	0.138	0.021
8	0.67	1.80	(0.489)	0.166	0.025
9	0.75	1.80	(0.489)	0.166	0.025
10	0.83	1.50	(0.489)	0.138	0.021
11	0.92	1.60	(0.489)	0.148	0.022
12	1.00	1.80	(0.489)	0.166	0.025
13	1.08	2.20	(0.489)	0.203	0.030
14	1.17	2.20	(0.489)	0.203	0.030
15	1.25	2.20	(0.489)	0.203	0.030
16	1.33	2.00	(0.489)	0.185	0.028
17	1.42	2.60	(0.489)	0.240	0.036
18	1.50	2.70	(0.489)	0.249	0.037
19	1.58	2.40	(0.489)	0.221	0.033
20	1.67	2.70	(0.489)	0.249	0.037
21	1.75	3.30	(0.489)	0.305	0.046
22	1.83	3.10	(0.489)	0.286	0.043
23	1.92	2.90	(0.489)	0.268	0.040
24	2.00	3.00	(0.489)	0.277	0.041
25	2.08	3.10	(0.489)	0.286	0.043
26	2.17	4.20	(0.489)	0.388	0.058
27	2.25	5.00	(0.489)	0.461	0.069
28	2.33	3.50	(0.489)	0.323	0.048
29	2.42	6.80	0.721	(0.628)	0.232
30	2.50	7.30	0.774	(0.674)	0.285
31	2.58	8.20	0.870	(0.757)	0.380
32	2.67	5.90	0.626	(0.544)	0.137
33	2.75	2.00	0.212	(0.489)	0.185
34	2.83	1.80	0.191	(0.489)	0.166
35	2.92	1.80	0.191	(0.489)	0.166
36	3.00	0.60	0.064	(0.489)	0.055

Glen Ivy Senior Living

ATTACHMENT C – Inflow Hydrographs

(Loss Rate Not Used)

Sum =	100.0	Sum =	2.0
Flood volume =	Effective rainfall	0.17(In)	
times area	9.7(Ac.)/[(In)/(Ft.)]	=	0.1(Ac.Ft)
Total soil loss =	0.72(In)		
Total soil loss =	0.580(Ac.Ft)		
Total rainfall =	0.88(In)		
Flood volume =	5957.6 Cubic Feet		
Total soil loss =	25263.9 Cubic Feet		

Peak flow rate of this hydrograph = 2.708(CFS)

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3 - H O U R S T O R M

R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0003	0.05	Q				
0+10	0.0012	0.13	Q				
0+15	0.0022	0.15	Q				
0+20	0.0033	0.16	Q				
0+25	0.0046	0.19	QV				
0+30	0.0061	0.21	QV				
0+35	0.0076	0.22	Q V				
0+40	0.0091	0.22	Q V				
0+45	0.0107	0.24	Q V				
0+50	0.0123	0.23	Q V				
0+55	0.0138	0.21	Q V				
1+ 0	0.0153	0.22	Q V				
1+ 5	0.0170	0.25	Q V				
1+10	0.0190	0.28	Q V				
1+15	0.0210	0.29	Q V				
1+20	0.0229	0.29	Q V				
1+25	0.0250	0.30	Q V				
1+30	0.0273	0.34	Q V				
1+35	0.0297	0.34	Q V				
1+40	0.0320	0.34	Q V				
1+45	0.0346	0.38	Q V				
1+50	0.0375	0.42	Q V				
1+55	0.0403	0.41	Q V				
2+ 0	0.0430	0.40	Q V				
2+ 5	0.0459	0.41	Q V				
2+10	0.0490	0.46	Q V				
2+15	0.0528	0.56	Q V				
2+20	0.0568	0.58	Q V				
2+25	0.0636	0.98	Q V				
2+30	0.0772	1.98	Q V				
2+35	0.0958	2.71	Q V				
2+40	0.1144	2.69	Q V				
2+45	0.1244	1.46	Q V				
2+50	0.1294	0.72	Q V				
2+55	0.1328	0.49	Q V				
3+ 0	0.1351	0.33	Q V				
3+ 5	0.1362	0.16	Q				
3+10	0.1365	0.05	Q				
3+15	0.1367	0.02	Q				
3+20	0.1367	0.01	Q				
3+25	0.1368	0.00	Q				
3+30	0.1368	0.00	Q				

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ATTACHMENT C – Inflow Hydrographs

U n i t H y d r o g r a p h A n a l y s i s

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Study date 05/12/20 File: sh2ex62.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 4029

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Glen Ivy Senior Living
Inflow Hydrograph Calculations
Existing Condition
2-year 6-hour storm

Drainage Area = 9.73 (Ac.) = 0.015 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 9.73 (Ac.) = 0.015 Sq. Mi.
Length along longest watercourse = 1323.00 (Ft.)
Length along longest watercourse measured to centroid = 593.00 (Ft.)
Length along longest watercourse = 0.251 Mi.
Length along longest watercourse measured to centroid = 0.112 Mi.
Difference in elevation = 20.80 (Ft.)
Slope along watercourse = 83.0113 Ft./Mi.
Average Manning's 'N' = 0.025
Lag time = 0.067 Hr.
Lag time = 4.00 Min.
25% of lag time = 1.00 Min.
40% of lag time = 1.60 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00 (CFS)

2 YEAR Area rainfall data:

Area (Ac.) [1]	Rainfall (In) [2]	Weighting [1*2]
9.73	1.23	11.97

100 YEAR Area rainfall data:

Area (Ac.) [1]	Rainfall (In) [2]	Weighting [1*2]
9.73	3.12	30.36

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 1.230 (In)
Area Averaged 100-Year Rainfall = 3.120 (In)

Point rain (area averaged) = 1.230 (In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 1.230 (In)

Sub-Area Data:
Area (Ac.) Runoff Index Impervious %
9.730 75.00 0.025

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ATTACHMENT C – Inflow Hydrographs

Total Area Entered = 9.73 (Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
75.0	57.0	0.501	0.025	0.489	1.000	0.489
						Sum (F) = 0.489

Area averaged mean soil loss (F) (In/Hr) = 0.489
 Minimum soil loss rate ((In/Hr)) = 0.245
 (for 24 hour storm duration)
 Soil low loss rate (decimal) = 0.870

 U n i t H y d r o g r a p h
 VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	124.897	2.608
2	0.167	249.794	4.760
3	0.250	374.691	1.265
4	0.333	499.588	0.569
5	0.417	624.485	0.317
6	0.500	749.382	0.176
7	0.583	874.279	0.112
		Sum = 100.000	Sum= 9.806

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time	Pattern	Storm Rain	Loss rate(In./Hr)		Effective
(Hr.)	Percent	(In/Hr)	Max	Low	(In/Hr)
1	0.08	0.50	(0.489)	0.064	0.010
2	0.17	0.60	(0.489)	0.077	0.012
3	0.25	0.60	(0.489)	0.077	0.012
4	0.33	0.60	(0.489)	0.077	0.012
5	0.42	0.60	(0.489)	0.077	0.012
6	0.50	0.70	(0.489)	0.090	0.013
7	0.58	0.70	(0.489)	0.090	0.013
8	0.67	0.70	(0.489)	0.090	0.013
9	0.75	0.70	(0.489)	0.090	0.013
10	0.83	0.70	(0.489)	0.090	0.013
11	0.92	0.70	(0.489)	0.090	0.013
12	1.00	0.80	(0.489)	0.103	0.015
13	1.08	0.80	(0.489)	0.103	0.015
14	1.17	0.80	(0.489)	0.103	0.015
15	1.25	0.80	(0.489)	0.103	0.015
16	1.33	0.80	(0.489)	0.103	0.015
17	1.42	0.80	(0.489)	0.103	0.015
18	1.50	0.80	(0.489)	0.103	0.015
19	1.58	0.80	(0.489)	0.103	0.015
20	1.67	0.80	(0.489)	0.103	0.015
21	1.75	0.80	(0.489)	0.103	0.015
22	1.83	0.80	(0.489)	0.103	0.015
23	1.92	0.80	(0.489)	0.103	0.015
24	2.00	0.90	(0.489)	0.116	0.017
25	2.08	0.80	(0.489)	0.103	0.015
26	2.17	0.90	(0.489)	0.116	0.017
27	2.25	0.90	(0.489)	0.116	0.017
28	2.33	0.90	(0.489)	0.116	0.017
29	2.42	0.90	(0.489)	0.116	0.017
30	2.50	0.90	(0.489)	0.116	0.017
31	2.58	0.90	(0.489)	0.116	0.017
32	2.67	0.90	(0.489)	0.116	0.017
33	2.75	1.00	(0.489)	0.128	0.019
34	2.83	1.00	(0.489)	0.128	0.019
35	2.92	1.00	(0.489)	0.128	0.019

Glen Ivy Senior Living

ATTACHMENT C – Inflow Hydrographs

36	3.00	1.00	0.148	(0.489)	0.128	0.019
37	3.08	1.00	0.148	(0.489)	0.128	0.019
38	3.17	1.10	0.162	(0.489)	0.141	0.021
39	3.25	1.10	0.162	(0.489)	0.141	0.021
40	3.33	1.10	0.162	(0.489)	0.141	0.021
41	3.42	1.20	0.177	(0.489)	0.154	0.023
42	3.50	1.30	0.192	(0.489)	0.167	0.025
43	3.58	1.40	0.207	(0.489)	0.180	0.027
44	3.67	1.40	0.207	(0.489)	0.180	0.027
45	3.75	1.50	0.221	(0.489)	0.193	0.029
46	3.83	1.50	0.221	(0.489)	0.193	0.029
47	3.92	1.60	0.236	(0.489)	0.205	0.031
48	4.00	1.60	0.236	(0.489)	0.205	0.031
49	4.08	1.70	0.251	(0.489)	0.218	0.033
50	4.17	1.80	0.266	(0.489)	0.231	0.035
51	4.25	1.90	0.280	(0.489)	0.244	0.036
52	4.33	2.00	0.295	(0.489)	0.257	0.038
53	4.42	2.10	0.310	(0.489)	0.270	0.040
54	4.50	2.10	0.310	(0.489)	0.270	0.040
55	4.58	2.20	0.325	(0.489)	0.282	0.042
56	4.67	2.30	0.339	(0.489)	0.295	0.044
57	4.75	2.40	0.354	(0.489)	0.308	0.046
58	4.83	2.40	0.354	(0.489)	0.308	0.046
59	4.92	2.50	0.369	(0.489)	0.321	0.048
60	5.00	2.60	0.384	(0.489)	0.334	0.050
61	5.08	3.10	0.458	(0.489)	0.398	0.059
62	5.17	3.60	0.531	(0.489)	0.462	0.069
63	5.25	3.90	0.576	0.489	(0.501)	0.086
64	5.33	4.20	0.620	0.489	(0.539)	0.131
65	5.42	4.70	0.694	0.489	(0.604)	0.204
66	5.50	5.60	0.827	0.489	(0.719)	0.337
67	5.58	1.90	0.280	(0.489)	0.244	0.036
68	5.67	0.90	0.133	(0.489)	0.116	0.017
69	5.75	0.60	0.089	(0.489)	0.077	0.012
70	5.83	0.50	0.074	(0.489)	0.064	0.010
71	5.92	0.30	0.044	(0.489)	0.039	0.006
72	6.00	0.20	0.030	(0.489)	0.026	0.004

(Loss Rate Not Used)

Sum = 100.0	Sum = 2.3
Flood volume = Effective rainfall 0.19(In)	
times area 9.7(Ac.)/[(In)/(Ft.)] = 0.2(Ac.Ft)	
Total soil loss = 1.04(In)	
Total soil loss = 0.840(Ac.Ft)	
Total rainfall = 1.23(In)	
Flood volume = 6840.6 Cubic Feet	
Total soil loss = 36601.5 Cubic Feet	

Peak flow rate of this hydrograph = 2.105(CFS)

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6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0002	0.03	Q				
0+10	0.0007	0.08	Q				
0+15	0.0014	0.10	Q				
0+20	0.0021	0.10	Q				
0+25	0.0028	0.11	Q				
0+30	0.0036	0.12	Q				
0+35	0.0045	0.13	QV				
0+40	0.0054	0.13	QV				
0+45	0.0063	0.13	QV				
0+50	0.0072	0.13	QV				
0+55	0.0081	0.13	Q V				
1+ 0	0.0091	0.14	Q V				
1+ 5	0.0101	0.15	Q V				
1+10	0.0111	0.15	Q V				

Glen Ivy Senior Living ATTACHMENT C – Inflow Hydrographs

1+15	0.0121	0.15	Q	V					
1+20	0.0131	0.15	Q	V					
1+25	0.0142	0.15	Q	V					
1+30	0.0152	0.15	Q	V					
1+35	0.0163	0.15	Q	V					
1+40	0.0173	0.15	Q	V					
1+45	0.0183	0.15	Q	V					
1+50	0.0194	0.15	Q	V					
1+55	0.0204	0.15	Q	V					
2+ 0	0.0215	0.16	Q	V					
2+ 5	0.0226	0.16	Q	V					
2+10	0.0237	0.16	Q	V					
2+15	0.0248	0.17	Q	V					
2+20	0.0260	0.17	Q	V					
2+25	0.0271	0.17	Q	V					
2+30	0.0283	0.17	Q	V					
2+35	0.0295	0.17	Q	V					
2+40	0.0306	0.17	Q	V					
2+45	0.0318	0.17	Q	V					
2+50	0.0331	0.18	Q	V					
2+55	0.0344	0.19	Q	V					
3+ 0	0.0357	0.19	Q	V					
3+ 5	0.0369	0.19	Q	V					
3+10	0.0383	0.19	Q	V					
3+15	0.0397	0.20	Q	V					
3+20	0.0411	0.20	Q	V					
3+25	0.0425	0.21	Q	V					
3+30	0.0441	0.23	Q	V					
3+35	0.0458	0.24	Q	V					
3+40	0.0475	0.26	Q	V					
3+45	0.0493	0.26	Q	V					
3+50	0.0512	0.28	Q	V					
3+55	0.0532	0.28	Q	V					
4+ 0	0.0552	0.30	Q	V					
4+ 5	0.0573	0.30	Q	V					
4+10	0.0595	0.32	Q	V					
4+15	0.0618	0.34	Q	V					
4+20	0.0643	0.35	Q	V					
4+25	0.0668	0.37	Q	V					
4+30	0.0695	0.39	Q	V					
4+35	0.0722	0.40	Q	V					
4+40	0.0751	0.41	Q	V					
4+45	0.0780	0.43	Q	V					
4+50	0.0811	0.44	Q	V					
4+55	0.0842	0.45	Q	V					
5+ 0	0.0874	0.47	Q	V					
5+ 5	0.0909	0.51	Q	V					
5+10	0.0949	0.58	Q	V					
5+15	0.0997	0.69	Q	V					
5+20	0.1059	0.90	Q	V					
5+25	0.1151	1.34	Q	V					
5+30	0.1296	2.11	Q	V					
5+35	0.1439	2.08	Q	V					
5+40	0.1496	0.83	Q	V					
5+45	0.1527	0.45	Q	V					
5+50	0.1546	0.28	Q	V					
5+55	0.1558	0.18	Q	V					
6+ 0	0.1566	0.11	Q	V					
6+ 5	0.1569	0.04	Q	V					
6+10	0.1570	0.02	Q	V					
6+15	0.1570	0.01	Q	V					
6+20	0.1570	0.00	Q	V					
6+25	0.1570	0.00	Q	V					
6+30	0.1570	0.00	Q	V					

Glen Ivy Senior Living

ATTACHMENT C – Inflow Hydrographs

U n i t H y d r o g r a p h A n a l y s i s

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Study date 05/12/20 File: sh2ex242.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 4029

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Glen Ivy Senior Living
Inflow Hydrograph Calculations
Existing Condition
2-year 24-hour storm

Drainage Area = 9.76(Ac.) = 0.015 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 9.76(Ac.) = 0.015 Sq. Mi.
Length along longest watercourse = 1323.00(Ft.)
Length along longest watercourse measured to centroid = 593.00(Ft.)
Length along longest watercourse = 0.251 Mi.
Length along longest watercourse measured to centroid = 0.112 Mi.
Difference in elevation = 20.80(Ft.)
Slope along watercourse = 83.0113 Ft./Mi.
Average Manning's 'N' = 0.025
Lag time = 0.067 Hr.
Lag time = 4.00 Min.
25% of lag time = 1.00 Min.
40% of lag time = 1.60 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.) [1]	Rainfall(In) [2]	Weighting[1*2]
9.73	2.20	21.41

100 YEAR Area rainfall data:

Area(Ac.) [1]	Rainfall(In) [2]	Weighting[1*2]
9.73	5.83	56.73

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 2.200(In)
Area Averaged 100-Year Rainfall = 5.830(In)

Point rain (area averaged) = 2.200(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 2.200(In)

Sub-Area Data:
Area(Ac.) Runoff Index Impervious %
9.730 75.00 0.025

Glen Ivy Senior Living

ATTACHMENT C – Inflow Hydrographs

Total Area Entered = 9.73 (Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
75.0	57.0	0.501	0.025	0.489	1.000	0.489
						Sum (F) = 0.489

Area averaged mean soil loss (F) (In/Hr) = 0.489
 Minimum soil loss rate ((In/Hr)) = 0.245
 (for 24 hour storm duration)
 Soil low loss rate (decimal) = 0.870

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	124.897	2.608
2	0.167	249.794	4.760
3	0.250	374.691	1.265
4	0.333	499.588	0.569
5	0.417	624.485	0.317
6	0.500	749.382	0.176
7	0.583	874.279	0.112
		Sum = 100.000	Sum= 9.806

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate (In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.07	0.018	(0.867)	0.015	0.002
2	0.17	0.07	0.018	(0.864)	0.015	0.002
3	0.25	0.07	0.018	(0.861)	0.015	0.002
4	0.33	0.10	0.026	(0.857)	0.023	0.003
5	0.42	0.10	0.026	(0.854)	0.023	0.003
6	0.50	0.10	0.026	(0.851)	0.023	0.003
7	0.58	0.10	0.026	(0.847)	0.023	0.003
8	0.67	0.10	0.026	(0.844)	0.023	0.003
9	0.75	0.10	0.026	(0.841)	0.023	0.003
10	0.83	0.13	0.035	(0.838)	0.031	0.005
11	0.92	0.13	0.035	(0.834)	0.031	0.005
12	1.00	0.13	0.035	(0.831)	0.031	0.005
13	1.08	0.10	0.026	(0.828)	0.023	0.003
14	1.17	0.10	0.026	(0.824)	0.023	0.003
15	1.25	0.10	0.026	(0.821)	0.023	0.003
16	1.33	0.10	0.026	(0.818)	0.023	0.003
17	1.42	0.10	0.026	(0.815)	0.023	0.003
18	1.50	0.10	0.026	(0.811)	0.023	0.003
19	1.58	0.10	0.026	(0.808)	0.023	0.003
20	1.67	0.10	0.026	(0.805)	0.023	0.003
21	1.75	0.10	0.026	(0.802)	0.023	0.003
22	1.83	0.13	0.035	(0.798)	0.031	0.005
23	1.92	0.13	0.035	(0.795)	0.031	0.005
24	2.00	0.13	0.035	(0.792)	0.031	0.005
25	2.08	0.13	0.035	(0.789)	0.031	0.005
26	2.17	0.13	0.035	(0.786)	0.031	0.005
27	2.25	0.13	0.035	(0.782)	0.031	0.005
28	2.33	0.13	0.035	(0.779)	0.031	0.005
29	2.42	0.13	0.035	(0.776)	0.031	0.005
30	2.50	0.13	0.035	(0.773)	0.031	0.005
31	2.58	0.17	0.044	(0.770)	0.038	0.006
32	2.67	0.17	0.044	(0.767)	0.038	0.006
33	2.75	0.17	0.044	(0.763)	0.038	0.006
34	2.83	0.17	0.044	(0.760)	0.038	0.006
35	2.92	0.17	0.044	(0.757)	0.038	0.006

Glen Ivy Senior Living ATTACHMENT C – Inflow Hydrographs

36	3.00	0.17	0.044	(0.754)	0.038	0.006
37	3.08	0.17	0.044	(0.751)	0.038	0.006
38	3.17	0.17	0.044	(0.748)	0.038	0.006
39	3.25	0.17	0.044	(0.745)	0.038	0.006
40	3.33	0.17	0.044	(0.741)	0.038	0.006
41	3.42	0.17	0.044	(0.738)	0.038	0.006
42	3.50	0.17	0.044	(0.735)	0.038	0.006
43	3.58	0.17	0.044	(0.732)	0.038	0.006
44	3.67	0.17	0.044	(0.729)	0.038	0.006
45	3.75	0.17	0.044	(0.726)	0.038	0.006
46	3.83	0.20	0.053	(0.723)	0.046	0.007
47	3.92	0.20	0.053	(0.720)	0.046	0.007
48	4.00	0.20	0.053	(0.717)	0.046	0.007
49	4.08	0.20	0.053	(0.714)	0.046	0.007
50	4.17	0.20	0.053	(0.711)	0.046	0.007
51	4.25	0.20	0.053	(0.708)	0.046	0.007
52	4.33	0.23	0.062	(0.705)	0.054	0.008
53	4.42	0.23	0.062	(0.702)	0.054	0.008
54	4.50	0.23	0.062	(0.699)	0.054	0.008
55	4.58	0.23	0.062	(0.696)	0.054	0.008
56	4.67	0.23	0.062	(0.693)	0.054	0.008
57	4.75	0.23	0.062	(0.690)	0.054	0.008
58	4.83	0.27	0.070	(0.687)	0.061	0.009
59	4.92	0.27	0.070	(0.684)	0.061	0.009
60	5.00	0.27	0.070	(0.681)	0.061	0.009
61	5.08	0.20	0.053	(0.678)	0.046	0.007
62	5.17	0.20	0.053	(0.675)	0.046	0.007
63	5.25	0.20	0.053	(0.672)	0.046	0.007
64	5.33	0.23	0.062	(0.669)	0.054	0.008
65	5.42	0.23	0.062	(0.666)	0.054	0.008
66	5.50	0.23	0.062	(0.663)	0.054	0.008
67	5.58	0.27	0.070	(0.660)	0.061	0.009
68	5.67	0.27	0.070	(0.657)	0.061	0.009
69	5.75	0.27	0.070	(0.655)	0.061	0.009
70	5.83	0.27	0.070	(0.652)	0.061	0.009
71	5.92	0.27	0.070	(0.649)	0.061	0.009
72	6.00	0.27	0.070	(0.646)	0.061	0.009
73	6.08	0.30	0.079	(0.643)	0.069	0.010
74	6.17	0.30	0.079	(0.640)	0.069	0.010
75	6.25	0.30	0.079	(0.637)	0.069	0.010
76	6.33	0.30	0.079	(0.634)	0.069	0.010
77	6.42	0.30	0.079	(0.632)	0.069	0.010
78	6.50	0.30	0.079	(0.629)	0.069	0.010
79	6.58	0.33	0.088	(0.626)	0.077	0.011
80	6.67	0.33	0.088	(0.623)	0.077	0.011
81	6.75	0.33	0.088	(0.620)	0.077	0.011
82	6.83	0.33	0.088	(0.618)	0.077	0.011
83	6.92	0.33	0.088	(0.615)	0.077	0.011
84	7.00	0.33	0.088	(0.612)	0.077	0.011
85	7.08	0.33	0.088	(0.609)	0.077	0.011
86	7.17	0.33	0.088	(0.606)	0.077	0.011
87	7.25	0.33	0.088	(0.604)	0.077	0.011
88	7.33	0.37	0.097	(0.601)	0.084	0.013
89	7.42	0.37	0.097	(0.598)	0.084	0.013
90	7.50	0.37	0.097	(0.595)	0.084	0.013
91	7.58	0.40	0.106	(0.593)	0.092	0.014
92	7.67	0.40	0.106	(0.590)	0.092	0.014
93	7.75	0.40	0.106	(0.587)	0.092	0.014
94	7.83	0.43	0.114	(0.585)	0.100	0.015
95	7.92	0.43	0.114	(0.582)	0.100	0.015
96	8.00	0.43	0.114	(0.579)	0.100	0.015
97	8.08	0.50	0.132	(0.576)	0.115	0.017
98	8.17	0.50	0.132	(0.574)	0.115	0.017
99	8.25	0.50	0.132	(0.571)	0.115	0.017
100	8.33	0.50	0.132	(0.568)	0.115	0.017
101	8.42	0.50	0.132	(0.566)	0.115	0.017
102	8.50	0.50	0.132	(0.563)	0.115	0.017
103	8.58	0.53	0.141	(0.560)	0.122	0.018
104	8.67	0.53	0.141	(0.558)	0.122	0.018
105	8.75	0.53	0.141	(0.555)	0.122	0.018
106	8.83	0.57	0.150	(0.553)	0.130	0.019
107	8.92	0.57	0.150	(0.550)	0.130	0.019

Glen Ivy Senior Living ATTACHMENT C – Inflow Hydrographs

108	9.00	0.57	0.150	(0.547)	0.130	0.019
109	9.08	0.63	0.167	(0.545)	0.145	0.022
110	9.17	0.63	0.167	(0.542)	0.145	0.022
111	9.25	0.63	0.167	(0.540)	0.145	0.022
112	9.33	0.67	0.176	(0.537)	0.153	0.023
113	9.42	0.67	0.176	(0.534)	0.153	0.023
114	9.50	0.67	0.176	(0.532)	0.153	0.023
115	9.58	0.70	0.185	(0.529)	0.161	0.024
116	9.67	0.70	0.185	(0.527)	0.161	0.024
117	9.75	0.70	0.185	(0.524)	0.161	0.024
118	9.83	0.73	0.194	(0.522)	0.168	0.025
119	9.92	0.73	0.194	(0.519)	0.168	0.025
120	10.00	0.73	0.194	(0.517)	0.168	0.025
121	10.08	0.50	0.132	(0.514)	0.115	0.017
122	10.17	0.50	0.132	(0.512)	0.115	0.017
123	10.25	0.50	0.132	(0.509)	0.115	0.017
124	10.33	0.50	0.132	(0.507)	0.115	0.017
125	10.42	0.50	0.132	(0.504)	0.115	0.017
126	10.50	0.50	0.132	(0.502)	0.115	0.017
127	10.58	0.67	0.176	(0.499)	0.153	0.023
128	10.67	0.67	0.176	(0.497)	0.153	0.023
129	10.75	0.67	0.176	(0.495)	0.153	0.023
130	10.83	0.67	0.176	(0.492)	0.153	0.023
131	10.92	0.67	0.176	(0.490)	0.153	0.023
132	11.00	0.67	0.176	(0.487)	0.153	0.023
133	11.08	0.63	0.167	(0.485)	0.145	0.022
134	11.17	0.63	0.167	(0.483)	0.145	0.022
135	11.25	0.63	0.167	(0.480)	0.145	0.022
136	11.33	0.63	0.167	(0.478)	0.145	0.022
137	11.42	0.63	0.167	(0.475)	0.145	0.022
138	11.50	0.63	0.167	(0.473)	0.145	0.022
139	11.58	0.57	0.150	(0.471)	0.130	0.019
140	11.67	0.57	0.150	(0.468)	0.130	0.019
141	11.75	0.57	0.150	(0.466)	0.130	0.019
142	11.83	0.60	0.158	(0.464)	0.138	0.021
143	11.92	0.60	0.158	(0.461)	0.138	0.021
144	12.00	0.60	0.158	(0.459)	0.138	0.021
145	12.08	0.83	0.220	(0.457)	0.191	0.029
146	12.17	0.83	0.220	(0.454)	0.191	0.029
147	12.25	0.83	0.220	(0.452)	0.191	0.029
148	12.33	0.87	0.229	(0.450)	0.199	0.030
149	12.42	0.87	0.229	(0.448)	0.199	0.030
150	12.50	0.87	0.229	(0.445)	0.199	0.030
151	12.58	0.93	0.246	(0.443)	0.214	0.032
152	12.67	0.93	0.246	(0.441)	0.214	0.032
153	12.75	0.93	0.246	(0.439)	0.214	0.032
154	12.83	0.97	0.255	(0.437)	0.222	0.033
155	12.92	0.97	0.255	(0.434)	0.222	0.033
156	13.00	0.97	0.255	(0.432)	0.222	0.033
157	13.08	1.13	0.299	(0.430)	0.260	0.039
158	13.17	1.13	0.299	(0.428)	0.260	0.039
159	13.25	1.13	0.299	(0.426)	0.260	0.039
160	13.33	1.13	0.299	(0.423)	0.260	0.039
161	13.42	1.13	0.299	(0.421)	0.260	0.039
162	13.50	1.13	0.299	(0.419)	0.260	0.039
163	13.58	0.77	0.202	(0.417)	0.176	0.026
164	13.67	0.77	0.202	(0.415)	0.176	0.026
165	13.75	0.77	0.202	(0.413)	0.176	0.026
166	13.83	0.77	0.202	(0.411)	0.176	0.026
167	13.92	0.77	0.202	(0.409)	0.176	0.026
168	14.00	0.77	0.202	(0.406)	0.176	0.026
169	14.08	0.90	0.238	(0.404)	0.207	0.031
170	14.17	0.90	0.238	(0.402)	0.207	0.031
171	14.25	0.90	0.238	(0.400)	0.207	0.031
172	14.33	0.87	0.229	(0.398)	0.199	0.030
173	14.42	0.87	0.229	(0.396)	0.199	0.030
174	14.50	0.87	0.229	(0.394)	0.199	0.030
175	14.58	0.87	0.229	(0.392)	0.199	0.030
176	14.67	0.87	0.229	(0.390)	0.199	0.030
177	14.75	0.87	0.229	(0.388)	0.199	0.030
178	14.83	0.83	0.220	(0.386)	0.191	0.029
179	14.92	0.83	0.220	(0.384)	0.191	0.029

Glen Ivy Senior Living ATTACHMENT C – Inflow Hydrographs

180	15.00	0.83	0.220	(0.382)	0.191	0.029
181	15.08	0.80	0.211	(0.380)	0.184	0.027
182	15.17	0.80	0.211	(0.378)	0.184	0.027
183	15.25	0.80	0.211	(0.376)	0.184	0.027
184	15.33	0.77	0.202	(0.374)	0.176	0.026
185	15.42	0.77	0.202	(0.372)	0.176	0.026
186	15.50	0.77	0.202	(0.371)	0.176	0.026
187	15.58	0.63	0.167	(0.369)	0.145	0.022
188	15.67	0.63	0.167	(0.367)	0.145	0.022
189	15.75	0.63	0.167	(0.365)	0.145	0.022
190	15.83	0.63	0.167	(0.363)	0.145	0.022
191	15.92	0.63	0.167	(0.361)	0.145	0.022
192	16.00	0.63	0.167	(0.359)	0.145	0.022
193	16.08	0.13	0.035	(0.358)	0.031	0.005
194	16.17	0.13	0.035	(0.356)	0.031	0.005
195	16.25	0.13	0.035	(0.354)	0.031	0.005
196	16.33	0.13	0.035	(0.352)	0.031	0.005
197	16.42	0.13	0.035	(0.350)	0.031	0.005
198	16.50	0.13	0.035	(0.348)	0.031	0.005
199	16.58	0.10	0.026	(0.347)	0.023	0.003
200	16.67	0.10	0.026	(0.345)	0.023	0.003
201	16.75	0.10	0.026	(0.343)	0.023	0.003
202	16.83	0.10	0.026	(0.341)	0.023	0.003
203	16.92	0.10	0.026	(0.340)	0.023	0.003
204	17.00	0.10	0.026	(0.338)	0.023	0.003
205	17.08	0.17	0.044	(0.336)	0.038	0.006
206	17.17	0.17	0.044	(0.335)	0.038	0.006
207	17.25	0.17	0.044	(0.333)	0.038	0.006
208	17.33	0.17	0.044	(0.331)	0.038	0.006
209	17.42	0.17	0.044	(0.330)	0.038	0.006
210	17.50	0.17	0.044	(0.328)	0.038	0.006
211	17.58	0.17	0.044	(0.326)	0.038	0.006
212	17.67	0.17	0.044	(0.325)	0.038	0.006
213	17.75	0.17	0.044	(0.323)	0.038	0.006
214	17.83	0.13	0.035	(0.321)	0.031	0.005
215	17.92	0.13	0.035	(0.320)	0.031	0.005
216	18.00	0.13	0.035	(0.318)	0.031	0.005
217	18.08	0.13	0.035	(0.317)	0.031	0.005
218	18.17	0.13	0.035	(0.315)	0.031	0.005
219	18.25	0.13	0.035	(0.314)	0.031	0.005
220	18.33	0.13	0.035	(0.312)	0.031	0.005
221	18.42	0.13	0.035	(0.311)	0.031	0.005
222	18.50	0.13	0.035	(0.309)	0.031	0.005
223	18.58	0.10	0.026	(0.308)	0.023	0.003
224	18.67	0.10	0.026	(0.306)	0.023	0.003
225	18.75	0.10	0.026	(0.305)	0.023	0.003
226	18.83	0.07	0.018	(0.303)	0.015	0.002
227	18.92	0.07	0.018	(0.302)	0.015	0.002
228	19.00	0.07	0.018	(0.300)	0.015	0.002
229	19.08	0.10	0.026	(0.299)	0.023	0.003
230	19.17	0.10	0.026	(0.297)	0.023	0.003
231	19.25	0.10	0.026	(0.296)	0.023	0.003
232	19.33	0.13	0.035	(0.295)	0.031	0.005
233	19.42	0.13	0.035	(0.293)	0.031	0.005
234	19.50	0.13	0.035	(0.292)	0.031	0.005
235	19.58	0.10	0.026	(0.291)	0.023	0.003
236	19.67	0.10	0.026	(0.289)	0.023	0.003
237	19.75	0.10	0.026	(0.288)	0.023	0.003
238	19.83	0.07	0.018	(0.287)	0.015	0.002
239	19.92	0.07	0.018	(0.285)	0.015	0.002
240	20.00	0.07	0.018	(0.284)	0.015	0.002
241	20.08	0.10	0.026	(0.283)	0.023	0.003
242	20.17	0.10	0.026	(0.282)	0.023	0.003
243	20.25	0.10	0.026	(0.280)	0.023	0.003
244	20.33	0.10	0.026	(0.279)	0.023	0.003
245	20.42	0.10	0.026	(0.278)	0.023	0.003
246	20.50	0.10	0.026	(0.277)	0.023	0.003
247	20.58	0.10	0.026	(0.276)	0.023	0.003
248	20.67	0.10	0.026	(0.275)	0.023	0.003
249	20.75	0.10	0.026	(0.273)	0.023	0.003
250	20.83	0.07	0.018	(0.272)	0.015	0.002
251	20.92	0.07	0.018	(0.271)	0.015	0.002

Glen Ivy Senior Living

ATTACHMENT C – Inflow Hydrographs

252	21.00	0.07	0.018	(0.270)	0.015	0.002
253	21.08	0.10	0.026	(0.269)	0.023	0.003
254	21.17	0.10	0.026	(0.268)	0.023	0.003
255	21.25	0.10	0.026	(0.267)	0.023	0.003
256	21.33	0.07	0.018	(0.266)	0.015	0.002
257	21.42	0.07	0.018	(0.265)	0.015	0.002
258	21.50	0.07	0.018	(0.264)	0.015	0.002
259	21.58	0.10	0.026	(0.263)	0.023	0.003
260	21.67	0.10	0.026	(0.262)	0.023	0.003
261	21.75	0.10	0.026	(0.261)	0.023	0.003
262	21.83	0.07	0.018	(0.260)	0.015	0.002
263	21.92	0.07	0.018	(0.259)	0.015	0.002
264	22.00	0.07	0.018	(0.258)	0.015	0.002
265	22.08	0.10	0.026	(0.258)	0.023	0.003
266	22.17	0.10	0.026	(0.257)	0.023	0.003
267	22.25	0.10	0.026	(0.256)	0.023	0.003
268	22.33	0.07	0.018	(0.255)	0.015	0.002
269	22.42	0.07	0.018	(0.254)	0.015	0.002
270	22.50	0.07	0.018	(0.254)	0.015	0.002
271	22.58	0.07	0.018	(0.253)	0.015	0.002
272	22.67	0.07	0.018	(0.252)	0.015	0.002
273	22.75	0.07	0.018	(0.251)	0.015	0.002
274	22.83	0.07	0.018	(0.251)	0.015	0.002
275	22.92	0.07	0.018	(0.250)	0.015	0.002
276	23.00	0.07	0.018	(0.249)	0.015	0.002
277	23.08	0.07	0.018	(0.249)	0.015	0.002
278	23.17	0.07	0.018	(0.248)	0.015	0.002
279	23.25	0.07	0.018	(0.248)	0.015	0.002
280	23.33	0.07	0.018	(0.247)	0.015	0.002
281	23.42	0.07	0.018	(0.247)	0.015	0.002
282	23.50	0.07	0.018	(0.246)	0.015	0.002
283	23.58	0.07	0.018	(0.246)	0.015	0.002
284	23.67	0.07	0.018	(0.246)	0.015	0.002
285	23.75	0.07	0.018	(0.245)	0.015	0.002
286	23.83	0.07	0.018	(0.245)	0.015	0.002
287	23.92	0.07	0.018	(0.245)	0.015	0.002
288	24.00	0.07	0.018	(0.245)	0.015	0.002

(Loss Rate Not Used)

Sum = 100.0 Sum = 3.4

Flood volume = Effective rainfall 0.29(In)
 times area 9.7(Ac.)/[(In)/(Ft.)] = 0.2(Ac.Ft)
 Total soil loss = 1.91(In)
 Total soil loss = 1.552(Ac.Ft)
 Total rainfall = 2.20(In)
 Flood volume = 10101.3 Cubic Feet
 Total soil loss = 67601.0 Cubic Feet

 Peak flow rate of this hydrograph = 0.381(CFS)

+++++

24 - H O U R S T O R M
 R u n o f f H y d r o g r a p h

 Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0000	0.01	Q				
0+10	0.0002	0.02	Q				
0+15	0.0003	0.02	Q				
0+20	0.0005	0.02	Q				
0+25	0.0007	0.03	Q				
0+30	0.0009	0.03	Q				
0+35	0.0011	0.03	Q				
0+40	0.0013	0.03	Q				
0+45	0.0016	0.03	Q				
0+50	0.0018	0.04	Q				
0+55	0.0021	0.04	Q				
1+ 0	0.0024	0.04	Q				
1+ 5	0.0027	0.04	Q				
1+10	0.0030	0.04	Q				

Glen Ivy Senior Living ATTACHMENT C – Inflow Hydrographs

1+15	0.0032	0.03	Q				
1+20	0.0034	0.03	Q				
1+25	0.0037	0.03	Q				
1+30	0.0039	0.03	Q				
1+35	0.0041	0.03	Q				
1+40	0.0044	0.03	Q				
1+45	0.0046	0.03	Q				
1+50	0.0048	0.04	Q				
1+55	0.0051	0.04	Q				
2+ 0	0.0054	0.04	Q				
2+ 5	0.0057	0.04	Q				
2+10	0.0060	0.04	QV				
2+15	0.0064	0.04	QV				
2+20	0.0067	0.04	QV				
2+25	0.0070	0.04	QV				
2+30	0.0073	0.04	QV				
2+35	0.0076	0.05	QV				
2+40	0.0080	0.05	QV				
2+45	0.0084	0.05	QV				
2+50	0.0087	0.06	QV				
2+55	0.0091	0.06	QV				
3+ 0	0.0095	0.06	QV				
3+ 5	0.0099	0.06	QV				
3+10	0.0103	0.06	QV				
3+15	0.0107	0.06	QV				
3+20	0.0111	0.06	QV				
3+25	0.0114	0.06	QV				
3+30	0.0118	0.06	Q V				
3+35	0.0122	0.06	Q V				
3+40	0.0126	0.06	Q V				
3+45	0.0130	0.06	Q V				
3+50	0.0134	0.06	Q V				
3+55	0.0138	0.06	Q V				
4+ 0	0.0143	0.07	Q V				
4+ 5	0.0147	0.07	Q V				
4+10	0.0152	0.07	Q V				
4+15	0.0157	0.07	Q V				
4+20	0.0162	0.07	Q V				
4+25	0.0167	0.08	Q V				
4+30	0.0172	0.08	Q V				
4+35	0.0177	0.08	Q V				
4+40	0.0183	0.08	Q V				
4+45	0.0188	0.08	Q V				
4+50	0.0194	0.08	Q V				
4+55	0.0200	0.09	Q V				
5+ 0	0.0206	0.09	Q V				
5+ 5	0.0212	0.08	Q V				
5+10	0.0217	0.07	Q V				
5+15	0.0222	0.07	Q V				
5+20	0.0226	0.07	Q V				
5+25	0.0232	0.08	Q V				
5+30	0.0237	0.08	Q V				
5+35	0.0243	0.08	Q V				
5+40	0.0249	0.09	Q V				
5+45	0.0255	0.09	Q V				
5+50	0.0261	0.09	Q V				
5+55	0.0267	0.09	Q V				
6+ 0	0.0273	0.09	Q V				
6+ 5	0.0280	0.09	Q V				
6+10	0.0286	0.10	Q V				
6+15	0.0293	0.10	Q V				
6+20	0.0300	0.10	Q V				
6+25	0.0307	0.10	Q V				
6+30	0.0314	0.10	Q V				
6+35	0.0321	0.10	Q V				
6+40	0.0329	0.11	Q V				
6+45	0.0336	0.11	Q V				
6+50	0.0344	0.11	Q V				
6+55	0.0352	0.11	Q V				
7+ 0	0.0359	0.11	Q V				
7+ 5	0.0367	0.11	Q V				
7+10	0.0375	0.11	Q V				

Glen Ivy Senior Living ATTACHMENT C – Inflow Hydrographs

7+15	0.0383	0.11	Q	V					
7+20	0.0391	0.12	Q	V					
7+25	0.0399	0.12	Q	V					
7+30	0.0407	0.12	Q	V					
7+35	0.0416	0.13	Q	V					
7+40	0.0425	0.13	Q	V					
7+45	0.0434	0.13	Q	V					
7+50	0.0444	0.14	Q	V					
7+55	0.0453	0.14	Q	V					
8+ 0	0.0463	0.14	Q	V					
8+ 5	0.0474	0.15	Q	V					
8+10	0.0485	0.16	Q	V					
8+15	0.0496	0.17	Q	V					
8+20	0.0508	0.17	Q	V					
8+25	0.0519	0.17	Q	V					
8+30	0.0531	0.17	Q	V					
8+35	0.0543	0.17	Q	V					
8+40	0.0555	0.18	Q	V					
8+45	0.0567	0.18	Q	V					
8+50	0.0580	0.18	Q	V					
8+55	0.0593	0.19	Q	V					
9+ 0	0.0606	0.19	Q	V					
9+ 5	0.0619	0.20	Q	V					
9+10	0.0634	0.21	Q	V					
9+15	0.0648	0.21	Q	V					
9+20	0.0663	0.21	Q	V					
9+25	0.0678	0.22	Q	V					
9+30	0.0693	0.22	Q	V					
9+35	0.0709	0.23	Q	V					
9+40	0.0725	0.23	Q	V					
9+45	0.0741	0.23	Q	V					
9+50	0.0758	0.24	Q	V					
9+55	0.0774	0.24	Q	V					
10+ 0	0.0791	0.25	Q	V					
10+ 5	0.0807	0.23	Q	V					
10+10	0.0820	0.19	Q	V					
10+15	0.0832	0.18	Q	V					
10+20	0.0844	0.17	Q	V					
10+25	0.0856	0.17	Q	V					
10+30	0.0867	0.17	Q	V					
10+35	0.0880	0.18	Q	V					
10+40	0.0894	0.21	Q	V					
10+45	0.0909	0.22	Q	V					
10+50	0.0925	0.22	Q	V					
10+55	0.0940	0.22	Q	V					
11+ 0	0.0955	0.22	Q	V					
11+ 5	0.0971	0.22	Q	V					
11+10	0.0985	0.22	Q	V					
11+15	0.1000	0.21	Q	V					
11+20	0.1015	0.21	Q	V					
11+25	0.1030	0.21	Q	V					
11+30	0.1044	0.21	Q	V					
11+35	0.1059	0.21	Q	V					
11+40	0.1072	0.20	Q	V					
11+45	0.1086	0.19	Q	V					
11+50	0.1099	0.20	Q	V					
11+55	0.1113	0.20	Q	V					
12+ 0	0.1127	0.20	Q	V					
12+ 5	0.1142	0.22	Q	V					
12+10	0.1160	0.26	IQ	V					
12+15	0.1178	0.27	IQ	V					
12+20	0.1198	0.28	IQ	V					
12+25	0.1217	0.29	IQ	V					
12+30	0.1237	0.29	IQ	V					
12+35	0.1258	0.30	IQ	V					
12+40	0.1279	0.31	IQ	V					
12+45	0.1301	0.31	IQ	V					
12+50	0.1322	0.32	IQ	V					
12+55	0.1344	0.32	IQ	V					
13+ 0	0.1367	0.32	IQ	V					
13+ 5	0.1390	0.34	IQ	V					
13+10	0.1415	0.37	IQ	V					

Glen Ivy Senior Living ATTACHMENT C – Inflow Hydrographs

13+15	0.1441	0.37	Q			V		
13+20	0.1467	0.38	Q			V		
13+25	0.1493	0.38	Q			V		
13+30	0.1520	0.38	Q			V		
13+35	0.1544	0.35	Q			V		
13+40	0.1564	0.29	Q			V		
13+45	0.1582	0.27	Q			V		
13+50	0.1601	0.27	Q			V		
13+55	0.1619	0.26	Q			V		
14+ 0	0.1637	0.26	Q			V		
14+ 5	0.1655	0.27	Q			V		
14+10	0.1675	0.29	Q			V		
14+15	0.1696	0.30	Q			V		
14+20	0.1716	0.30	Q			V		
14+25	0.1737	0.29	Q			V		
14+30	0.1757	0.29	Q			V		
14+35	0.1777	0.29	Q			V		
14+40	0.1797	0.29	Q			V		
14+45	0.1817	0.29	Q			V		
14+50	0.1837	0.29	Q			V		
14+55	0.1856	0.28	Q			V		
15+ 0	0.1876	0.28	Q			V		
15+ 5	0.1895	0.28	Q			V		
15+10	0.1914	0.27	Q			V		
15+15	0.1932	0.27	Q			V		
15+20	0.1951	0.27	Q			V		
15+25	0.1969	0.26	Q			V		
15+30	0.1987	0.26	Q			V		
15+35	0.2004	0.25	Q			V		
15+40	0.2019	0.22	Q			V		
15+45	0.2034	0.22	Q			V		
15+50	0.2049	0.22	Q			V		
15+55	0.2064	0.21	Q			V		
16+ 0	0.2079	0.21	Q			V		
16+ 5	0.2090	0.17	Q			V		
16+10	0.2096	0.09	Q			V		
16+15	0.2101	0.07	Q			V		
16+20	0.2104	0.06	Q			V		
16+25	0.2108	0.05	Q			V		
16+30	0.2111	0.05	Q			V		
16+35	0.2114	0.04	Q			V		
16+40	0.2117	0.04	Q			V		
16+45	0.2119	0.04	Q			V		
16+50	0.2121	0.03	Q			V		
16+55	0.2124	0.03	Q			V		
17+ 0	0.2126	0.03	Q			V		
17+ 5	0.2129	0.04	Q			V		
17+10	0.2132	0.05	Q			V		
17+15	0.2136	0.05	Q			V		
17+20	0.2140	0.05	Q			V		
17+25	0.2143	0.06	Q			V		
17+30	0.2147	0.06	Q			V		
17+35	0.2151	0.06	Q			V		
17+40	0.2155	0.06	Q			V		
17+45	0.2159	0.06	Q			V		
17+50	0.2163	0.05	Q			V		
17+55	0.2166	0.05	Q			V		
18+ 0	0.2169	0.05	Q			V		
18+ 5	0.2172	0.05	Q			V		
18+10	0.2175	0.05	Q			V		
18+15	0.2178	0.05	Q			V		
18+20	0.2181	0.04	Q			V		
18+25	0.2185	0.04	Q			V		
18+30	0.2188	0.04	Q			V		
18+35	0.2191	0.04	Q			V		
18+40	0.2193	0.04	Q			V		
18+45	0.2195	0.04	Q			V		
18+50	0.2198	0.03	Q			V		
18+55	0.2199	0.03	Q			V		
19+ 0	0.2201	0.02	Q			V		
19+ 5	0.2203	0.03	Q			V		
19+10	0.2205	0.03	Q			V		

Glen Ivy Senior Living ATTACHMENT C – Inflow Hydrographs

19+15	0.2207	0.03	Q				V	
19+20	0.2210	0.04	Q				V	
19+25	0.2213	0.04	Q				V	
19+30	0.2216	0.04	Q				V	
19+35	0.2218	0.04	Q				V	
19+40	0.2221	0.04	Q				V	
19+45	0.2223	0.03	Q				V	
19+50	0.2225	0.03	Q				V	
19+55	0.2227	0.03	Q				V	
20+ 0	0.2229	0.02	Q				V	
20+ 5	0.2231	0.03	Q				V	
20+10	0.2233	0.03	Q				V	
20+15	0.2235	0.03	Q				V	
20+20	0.2237	0.03	Q				V	
20+25	0.2240	0.03	Q				V	
20+30	0.2242	0.03	Q				V	
20+35	0.2244	0.03	Q				V	
20+40	0.2247	0.03	Q				V	
20+45	0.2249	0.03	Q				V	
20+50	0.2251	0.03	Q				V	
20+55	0.2253	0.03	Q				V	
21+ 0	0.2254	0.02	Q				V	
21+ 5	0.2256	0.03	Q				V	
21+10	0.2258	0.03	Q				V	
21+15	0.2261	0.03	Q				V	
21+20	0.2263	0.03	Q				V	
21+25	0.2264	0.02	Q				V	
21+30	0.2266	0.02	Q				V	
21+35	0.2268	0.03	Q				V	
21+40	0.2270	0.03	Q				V	
21+45	0.2272	0.03	Q				V	
21+50	0.2274	0.03	Q				V	
21+55	0.2276	0.02	Q				V	
22+ 0	0.2278	0.02	Q				V	
22+ 5	0.2279	0.03	Q				V	
22+10	0.2282	0.03	Q				V	
22+15	0.2284	0.03	Q				V	
22+20	0.2286	0.03	Q				V	
22+25	0.2288	0.02	Q				V	
22+30	0.2289	0.02	Q				V	
22+35	0.2291	0.02	Q				V	
22+40	0.2292	0.02	Q				V	
22+45	0.2294	0.02	Q				V	
22+50	0.2295	0.02	Q				V	
22+55	0.2297	0.02	Q				V	
23+ 0	0.2299	0.02	Q				V	
23+ 5	0.2300	0.02	Q				V	
23+10	0.2302	0.02	Q				V	
23+15	0.2303	0.02	Q				V	
23+20	0.2305	0.02	Q				V	
23+25	0.2306	0.02	Q				V	
23+30	0.2308	0.02	Q				V	
23+35	0.2309	0.02	Q				V	
23+40	0.2311	0.02	Q				V	
23+45	0.2312	0.02	Q				V	
23+50	0.2314	0.02	Q				V	
23+55	0.2316	0.02	Q				V	
24+ 0	0.2317	0.02	Q				V	
24+ 5	0.2318	0.02	Q				V	
24+10	0.2319	0.01	Q				V	
24+15	0.2319	0.00	Q				V	
24+20	0.2319	0.00	Q				V	
24+25	0.2319	0.00	Q				V	
24+30	0.2319	0.00	Q				V	

Glen Ivy Senior Living

ATTACHMENT C – Inflow Hydrographs

U n i t H y d r o g r a p h A n a l y s i s

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Study date 05/12/20 File: sh2pr12.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 4029

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Glen Ivy Senior Living
Inflow Hydrograph Calculations
Proposed Condition
2-year 1-hour storm

Drainage Area = 9.73 (Ac.) = 0.015 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 9.73 (Ac.) = 0.015 Sq. Mi.
Length along longest watercourse = 1323.00 (Ft.)
Length along longest watercourse measured to centroid = 593.00 (Ft.)
Length along longest watercourse = 0.251 Mi.
Length along longest watercourse measured to centroid = 0.112 Mi.
Difference in elevation = 20.80 (Ft.)
Slope along watercourse = 83.0113 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.040 Hr.
Lag time = 2.40 Min.
25% of lag time = 0.60 Min.
40% of lag time = 0.96 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00 (CFS)

2 YEAR Area rainfall data:

Area (Ac.) [1]	Rainfall (In) [2]	Weighting [1*2]
9.73	0.51	4.98

100 YEAR Area rainfall data:

Area (Ac.) [1]	Rainfall (In) [2]	Weighting [1*2]
9.73	1.43	13.91

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 0.512 (In)
Area Averaged 100-Year Rainfall = 1.430 (In)

Point rain (area averaged) = 0.512 (In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 0.512 (In)

Sub-Area Data:
Area (Ac.) Runoff Index Impervious %
9.730 65.00 0.900

Glen Ivy Senior Living

ATTACHMENT C – Inflow Hydrographs

Total Area Entered = 9.73 (Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
65.0	45.0	0.621	0.900	0.118	1.000	0.118
						Sum (F) = 0.118

Area averaged mean soil loss (F) (In/Hr) = 0.118
 Minimum soil loss rate ((In/Hr)) = 0.059
 (for 24 hour storm duration)
 Soil low loss rate (decimal) = 0.180

Slope of intensity-duration curve for a 1 hour storm = 0.4800

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	208.162	44.777
2	0.167	416.323	42.802
3	0.250	624.485	8.471
4	0.333	832.646	3.950
Sum = 100.000			Sum= 9.806

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate (In./Hr) Max Low	Effective (In/Hr)
1	0.08	4.40	(0.118) 0.049	0.222
2	0.17	4.50	(0.118) 0.050	0.227
3	0.25	5.40	(0.118) 0.060	0.272
4	0.33	5.40	(0.118) 0.060	0.272
5	0.42	5.70	(0.118) 0.063	0.287
6	0.50	6.40	(0.118) 0.071	0.322
7	0.58	7.90	(0.118) 0.087	0.398
8	0.67	9.10	(0.118) 0.101	0.458
9	0.75	12.80	0.118 (0.142)	0.668
10	0.83	25.60	0.118 (0.283)	1.455
11	0.92	7.90	(0.118) 0.087	0.398
12	1.00	4.90	(0.118) 0.054	0.247

(Loss Rate Not Used)
 Sum = 100.0 Sum = 5.2

Flood volume = Effective rainfall 0.44 (In)
 times area 9.7 (Ac.) / [(In)/(Ft.)] = 0.4 (Ac.Ft)
 Total soil loss = 0.08 (In)
 Total soil loss = 0.062 (Ac.Ft)
 Total rainfall = 0.51 (In)
 Flood volume = 15382.7 Cubic Feet
 Total soil loss = 2699.5 Cubic Feet

Peak flow rate of this hydrograph = 9.733 (CFS)

1 - H O U R S T O R M Runoff Hydrograph

Hydrograph in 5 Minute intervals ((CFS))

Time (h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0067	0.97	V Q				
0+10	0.0200	1.93	V Q				
0+15	0.0360	2.33	V Q				

Glen Ivy Senior Living ATTACHMENT C – Inflow Hydrographs

0+20	0.0540	2.61		v	Q			
0+25	0.0727	2.72		v	Q			
0+30	0.0931	2.95			vQ			
0+35	0.1168	3.45			Q			
0+40	0.1448	4.06				Q		
0+45	0.1814	5.32				vQ		
0+50	0.2485	9.73					v	Q
0+55	0.3076	8.59						Q
1+ 0	0.3367	4.22			Q			v
1+ 5	0.3500	1.93		Q				v
1+10	0.3525	0.36		Q				v
1+15	0.3531	0.10	Q					v

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ATTACHMENT C – Inflow Hydrographs

U n i t H y d r o g r a p h A n a l y s i s

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Study date 05/12/20 File: sh2pr32.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 4029

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Glen Ivy Senior Living
Inflow Hydrograph Calculations
Proposed Condition
2-year 3-hour storm

Drainage Area = 9.73(Ac.) = 0.015 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 9.73(Ac.) = 0.015 Sq. Mi.
Length along longest watercourse = 1323.00(Ft.)
Length along longest watercourse measured to centroid = 593.00(Ft.)
Length along longest watercourse = 0.251 Mi.
Length along longest watercourse measured to centroid = 0.112 Mi.
Difference in elevation = 20.80(Ft.)
Slope along watercourse = 83.0113 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.040 Hr.
Lag time = 2.40 Min.
25% of lag time = 0.60 Min.
40% of lag time = 0.96 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.) [1]	Rainfall(In) [2]	Weighting[1*2]
9.73	0.88	8.60

100 YEAR Area rainfall data:

Area(Ac.) [1]	Rainfall(In) [2]	Weighting[1*2]
9.73	2.28	22.18

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 0.884(In)
Area Averaged 100-Year Rainfall = 2.280(In)

Point rain (area averaged) = 0.884(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 0.884(In)

Sub-Area Data:
Area(Ac.) Runoff Index Impervious %
9.730 65.00 0.900

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ATTACHMENT C – Inflow Hydrographs

Total Area Entered = 9.73 (Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
65.0	45.0	0.621	0.900	0.118	1.000	0.118
						Sum (F) = 0.118

Area averaged mean soil loss (F) (In/Hr) = 0.118
 Minimum soil loss rate ((In/Hr)) = 0.059
 (for 24 hour storm duration)
 Soil low loss rate (decimal) = 0.180

 U n i t H y d r o g r a p h
 VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	208.162	44.777
2	0.167	416.323	42.802
3	0.250	624.485	8.471
4	0.333	832.646	3.950
Sum = 100.000			Sum= 9.806

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)	
			Max	Low		
1	0.08	1.30	0.138	(0.118)	0.025	0.113
2	0.17	1.30	0.138	(0.118)	0.025	0.113
3	0.25	1.10	0.117	(0.118)	0.021	0.096
4	0.33	1.50	0.159	(0.118)	0.029	0.130
5	0.42	1.50	0.159	(0.118)	0.029	0.130
6	0.50	1.80	0.191	(0.118)	0.034	0.157
7	0.58	1.50	0.159	(0.118)	0.029	0.130
8	0.67	1.80	0.191	(0.118)	0.034	0.157
9	0.75	1.80	0.191	(0.118)	0.034	0.157
10	0.83	1.50	0.159	(0.118)	0.029	0.130
11	0.92	1.60	0.170	(0.118)	0.031	0.139
12	1.00	1.80	0.191	(0.118)	0.034	0.157
13	1.08	2.20	0.233	(0.118)	0.042	0.191
14	1.17	2.20	0.233	(0.118)	0.042	0.191
15	1.25	2.20	0.233	(0.118)	0.042	0.191
16	1.33	2.00	0.212	(0.118)	0.038	0.174
17	1.42	2.60	0.276	(0.118)	0.050	0.226
18	1.50	2.70	0.286	(0.118)	0.052	0.235
19	1.58	2.40	0.255	(0.118)	0.046	0.209
20	1.67	2.70	0.286	(0.118)	0.052	0.235
21	1.75	3.30	0.350	(0.118)	0.063	0.287
22	1.83	3.10	0.329	(0.118)	0.059	0.270
23	1.92	2.90	0.308	(0.118)	0.055	0.252
24	2.00	3.00	0.318	(0.118)	0.057	0.261
25	2.08	3.10	0.329	(0.118)	0.059	0.270
26	2.17	4.20	0.446	(0.118)	0.080	0.365
27	2.25	5.00	0.530	(0.118)	0.095	0.435
28	2.33	3.50	0.371	(0.118)	0.067	0.304
29	2.42	6.80	0.721	0.118	(0.130)	0.603
30	2.50	7.30	0.774	0.118	(0.139)	0.656
31	2.58	8.20	0.870	0.118	(0.157)	0.752
32	2.67	5.90	0.626	(0.118)	0.113	0.513
33	2.75	2.00	0.212	(0.118)	0.038	0.174
34	2.83	1.80	0.191	(0.118)	0.034	0.157
35	2.92	1.80	0.191	(0.118)	0.034	0.157
36	3.00	0.60	0.064	(0.118)	0.011	0.052
(Loss Rate Not Used)						
Sum =	100.0				Sum =	8.8

Glen Ivy Senior Living

ATTACHMENT C – Inflow Hydrographs

Flood volume = Effective rainfall 0.73(In)
 times area 9.7(Ac.)/[(In)/(Ft.)] = 0.6(Ac.Ft)
 Total soil loss = 0.15(In)
 Total soil loss = 0.124(Ac.Ft)
 Total rainfall = 0.88(In)
 Flood volume = 25813.0 Cubic Feet
 Total soil loss = 5408.5 Cubic Feet

Peak flow rate of this hydrograph = 6.679 (CFS)

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 3 - H O U R S T O R M
 R u n o f f H y d r o g r a p h
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Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0034	0.50	VQ				
0+10	0.0101	0.97	V Q				
0+15	0.0169	0.99	V Q				
0+20	0.0246	1.11	V Q				
0+25	0.0332	1.24	V Q				
0+30	0.0427	1.38	V Q				
0+35	0.0522	1.39	V Q				
0+40	0.0620	1.42	VQ				
0+45	0.0724	1.51	V Q				
0+50	0.0821	1.41	Q				
0+55	0.0914	1.35	QV				
1+ 0	0.1014	1.44	QV				
1+ 5	0.1128	1.66	QV				
1+10	0.1254	1.83	QV				
1+15	0.1383	1.86	Q V				
1+20	0.1507	1.80	Q V				
1+25	0.1641	1.96	Q V				
1+30	0.1793	2.20	Q V				
1+35	0.1942	2.16	Q V				
1+40	0.2093	2.19	Q V				
1+45	0.2266	2.51	Q V				
1+50	0.2449	2.67	Q V				
1+55	0.2626	2.57	Q V				
2+ 0	0.2801	2.54	Q V				
2+ 5	0.2980	2.59	Q V				
2+10	0.3190	3.05	Q V				
2+15	0.3450	3.77	Q	V			
2+20	0.3696	3.57	Q	V			
2+25	0.4001	4.43	Q	V			
2+30	0.4403	5.84	Q	V			
2+35	0.4863	6.68	Q	V			
2+40	0.5289	6.19	Q	V			
2+45	0.5551	3.80	Q	V			
2+50	0.5698	2.14	Q	V			
2+55	0.5814	1.69	Q	V			
3+ 0	0.5889	1.08	Q	V			
3+ 5	0.5917	0.41	Q	V			
3+10	0.5924	0.10	Q	V			
3+15	0.5926	0.02	Q	V			

Glen Ivy Senior Living

ATTACHMENT C – Inflow Hydrographs

U n i t H y d r o g r a p h A n a l y s i s

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Study date 05/12/20 File: sh2pr62.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 4029

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Glen Ivy Senior Living
Inflow Hydrograph Calculations
Proposed Condition
2-year 6-hour storm

Drainage Area = 9.73(Ac.) = 0.015 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 9.73(Ac.) = 0.015 Sq. Mi.
Length along longest watercourse = 1323.00(Ft.)
Length along longest watercourse measured to centroid = 593.00(Ft.)
Length along longest watercourse = 0.251 Mi.
Length along longest watercourse measured to centroid = 0.112 Mi.
Difference in elevation = 20.80(Ft.)
Slope along watercourse = 83.0113 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.040 Hr.
Lag time = 2.40 Min.
25% of lag time = 0.60 Min.
40% of lag time = 0.96 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.) [1]	Rainfall(In) [2]	Weighting[1*2]
9.73	1.23	11.97

100 YEAR Area rainfall data:

Area(Ac.) [1]	Rainfall(In) [2]	Weighting[1*2]
9.73	3.12	30.36

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 1.230(In)
Area Averaged 100-Year Rainfall = 3.120(In)

Point rain (area averaged) = 1.230(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 1.230(In)

Sub-Area Data:
Area(Ac.) Runoff Index Impervious %
9.730 65.00 0.900

Glen Ivy Senior Living

ATTACHMENT C – Inflow Hydrographs

Total Area Entered = 9.73 (Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
65.0	45.0	0.621	0.900	0.118	1.000	0.118
						Sum (F) = 0.118

Area averaged mean soil loss (F) (In/Hr) = 0.118
 Minimum soil loss rate ((In/Hr)) = 0.059
 (for 24 hour storm duration)
 Soil low loss rate (decimal) = 0.180

 U n i t H y d r o g r a p h
 VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	208.162	44.777
2	0.167	416.323	42.802
3	0.250	624.485	8.471
4	0.333	832.646	3.950
Sum = 100.000			Sum= 9.806

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
			Max	Low	
1	0.08	0.50	(0.118)	0.013	0.061
2	0.17	0.60	(0.118)	0.016	0.073
3	0.25	0.60	(0.118)	0.016	0.073
4	0.33	0.60	(0.118)	0.016	0.073
5	0.42	0.60	(0.118)	0.016	0.073
6	0.50	0.70	(0.118)	0.019	0.085
7	0.58	0.70	(0.118)	0.019	0.085
8	0.67	0.70	(0.118)	0.019	0.085
9	0.75	0.70	(0.118)	0.019	0.085
10	0.83	0.70	(0.118)	0.019	0.085
11	0.92	0.70	(0.118)	0.019	0.085
12	1.00	0.80	(0.118)	0.021	0.097
13	1.08	0.80	(0.118)	0.021	0.097
14	1.17	0.80	(0.118)	0.021	0.097
15	1.25	0.80	(0.118)	0.021	0.097
16	1.33	0.80	(0.118)	0.021	0.097
17	1.42	0.80	(0.118)	0.021	0.097
18	1.50	0.80	(0.118)	0.021	0.097
19	1.58	0.80	(0.118)	0.021	0.097
20	1.67	0.80	(0.118)	0.021	0.097
21	1.75	0.80	(0.118)	0.021	0.097
22	1.83	0.80	(0.118)	0.021	0.097
23	1.92	0.80	(0.118)	0.021	0.097
24	2.00	0.90	(0.118)	0.024	0.109
25	2.08	0.80	(0.118)	0.021	0.097
26	2.17	0.90	(0.118)	0.024	0.109
27	2.25	0.90	(0.118)	0.024	0.109
28	2.33	0.90	(0.118)	0.024	0.109
29	2.42	0.90	(0.118)	0.024	0.109
30	2.50	0.90	(0.118)	0.024	0.109
31	2.58	0.90	(0.118)	0.024	0.109
32	2.67	0.90	(0.118)	0.024	0.109
33	2.75	1.00	(0.118)	0.027	0.121
34	2.83	1.00	(0.118)	0.027	0.121
35	2.92	1.00	(0.118)	0.027	0.121
36	3.00	1.00	(0.118)	0.027	0.121
37	3.08	1.00	(0.118)	0.027	0.121
38	3.17	1.10	(0.118)	0.029	0.133

Glen Ivy Senior Living ATTACHMENT C – Inflow Hydrographs

39	3.25	1.10	0.162	(0.118)	0.029	0.133
40	3.33	1.10	0.162	(0.118)	0.029	0.133
41	3.42	1.20	0.177	(0.118)	0.032	0.145
42	3.50	1.30	0.192	(0.118)	0.035	0.157
43	3.58	1.40	0.207	(0.118)	0.037	0.169
44	3.67	1.40	0.207	(0.118)	0.037	0.169
45	3.75	1.50	0.221	(0.118)	0.040	0.182
46	3.83	1.50	0.221	(0.118)	0.040	0.182
47	3.92	1.60	0.236	(0.118)	0.043	0.194
48	4.00	1.60	0.236	(0.118)	0.043	0.194
49	4.08	1.70	0.251	(0.118)	0.045	0.206
50	4.17	1.80	0.266	(0.118)	0.048	0.218
51	4.25	1.90	0.280	(0.118)	0.050	0.230
52	4.33	2.00	0.295	(0.118)	0.053	0.242
53	4.42	2.10	0.310	(0.118)	0.056	0.254
54	4.50	2.10	0.310	(0.118)	0.056	0.254
55	4.58	2.20	0.325	(0.118)	0.058	0.266
56	4.67	2.30	0.339	(0.118)	0.061	0.278
57	4.75	2.40	0.354	(0.118)	0.064	0.290
58	4.83	2.40	0.354	(0.118)	0.064	0.290
59	4.92	2.50	0.369	(0.118)	0.066	0.303
60	5.00	2.60	0.384	(0.118)	0.069	0.315
61	5.08	3.10	0.458	(0.118)	0.082	0.375
62	5.17	3.60	0.531	(0.118)	0.096	0.436
63	5.25	3.90	0.576	(0.118)	0.104	0.472
64	5.33	4.20	0.620	(0.118)	0.112	0.508
65	5.42	4.70	0.694	0.118	(0.125)	0.576
66	5.50	5.60	0.827	0.118	(0.149)	0.709
67	5.58	1.90	0.280	(0.118)	0.050	0.230
68	5.67	0.90	0.133	(0.118)	0.024	0.109
69	5.75	0.60	0.089	(0.118)	0.016	0.073
70	5.83	0.50	0.074	(0.118)	0.013	0.061
71	5.92	0.30	0.044	(0.118)	0.008	0.036
72	6.00	0.20	0.030	(0.118)	0.005	0.024

(Loss Rate Not Used)

Sum = 100.0 Sum = 12.1

Flood volume = Effective rainfall 1.01(In)
times area 9.7(Ac.) / [(In)/(Ft.)] = 0.8(Ac.Ft)
Total soil loss = 0.22(In)
Total soil loss = 0.177(Ac.Ft)
Total rainfall = 1.23(In)
Flood volume = 35733.3 Cubic Feet
Total soil loss = 7708.7 Cubic Feet

Peak flow rate of this hydrograph = 6.136(CFS)

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6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0018	0.27	VQ				
0+10	0.0058	0.57	V Q				
0+15	0.0104	0.67	V Q				
0+20	0.0153	0.71	V Q				
0+25	0.0202	0.71	V Q				
0+30	0.0255	0.77	V Q				
0+35	0.0311	0.82	V Q				
0+40	0.0368	0.83	V Q				
0+45	0.0425	0.83	VQ				
0+50	0.0482	0.83	VQ				
0+55	0.0540	0.83	VQ				
1+ 0	0.0601	0.88	VQ				
1+ 5	0.0665	0.94	Q				
1+10	0.0730	0.95	Q				
1+15	0.0795	0.95	Q				
1+20	0.0861	0.95	QV				
1+25	0.0926	0.95	QV				

Glen Ivy Senior Living ATTACHMENT C – Inflow Hydrographs

1+30	0.0992	0.95	QV				
1+35	0.1057	0.95	Q V				
1+40	0.1123	0.95	Q V				
1+45	0.1188	0.95	Q V				
1+50	0.1253	0.95	Q V				
1+55	0.1319	0.95	Q V				
2+ 0	0.1388	1.00	Q V				
2+ 5	0.1457	1.00	Q V				
2+10	0.1527	1.01	Q V				
2+15	0.1600	1.06	Q V				
2+20	0.1673	1.06	Q V				
2+25	0.1746	1.07	Q V				
2+30	0.1820	1.07	Q V				
2+35	0.1894	1.07	Q V				
2+40	0.1967	1.07	Q V				
2+45	0.2044	1.12	Q V				
2+50	0.2125	1.17	Q V				
2+55	0.2207	1.18	Q V				
3+ 0	0.2288	1.19	Q V				
3+ 5	0.2370	1.19	Q V				
3+10	0.2456	1.24	Q V				
3+15	0.2545	1.29	Q V				
3+20	0.2634	1.30	Q V				
3+25	0.2728	1.36	Q V				
3+30	0.2829	1.46	Q V				
3+35	0.2937	1.58	Q V				
3+40	0.3050	1.64	Q V				
3+45	0.3168	1.71	Q V				
3+50	0.3290	1.77	Q V				
3+55	0.3416	1.83	Q V				
4+ 0	0.3546	1.89	Q V				
4+ 5	0.3680	1.95	Q V				
4+10	0.3822	2.06	Q V				
4+15	0.3971	2.17	Q V				
4+20	0.4129	2.29	Q V				
4+25	0.4295	2.41	Q V				
4+30	0.4465	2.47	Q V				
4+35	0.4640	2.54	Q V				
4+40	0.4823	2.65	Q V				
4+45	0.5013	2.76	Q V				
4+50	0.5208	2.83	Q V				
4+55	0.5408	2.90	Q V				
5+ 0	0.5615	3.01	Q V				
5+ 5	0.5844	3.33	Q V				
5+10	0.6111	3.87	Q V				
5+15	0.6409	4.34	Q V				
5+20	0.6735	4.72	Q V				
5+25	0.7095	5.22	Q V				
5+30	0.7517	6.14	Q V				
5+35	0.7838	4.66	Q V				
5+40	0.7994	2.26	Q V				
5+45	0.8079	1.24	Q V				
5+50	0.8131	0.75	Q V				
5+55	0.8166	0.52	Q V				
6+ 0	0.8190	0.34	Q V				
6+ 5	0.8200	0.16	Q V				
6+10	0.8203	0.03	Q V				
6+15	0.8203	0.01	Q V				

Glen Ivy Senior Living

ATTACHMENT C – Inflow Hydrographs

U n i t H y d r o g r a p h A n a l y s i s

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Study date 05/12/20 File: sh2pr242.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 4029

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Glen Ivy Senior Living
Inflow Hydrograph Calculations
Proposed Condition
2-year 24-hour storm

Drainage Area = 9.76(Ac.) = 0.015 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 9.76(Ac.) = 0.015 Sq. Mi.
Length along longest watercourse = 1323.00(Ft.)
Length along longest watercourse measured to centroid = 593.00(Ft.)
Length along longest watercourse = 0.251 Mi.
Length along longest watercourse measured to centroid = 0.112 Mi.
Difference in elevation = 20.80(Ft.)
Slope along watercourse = 83.0113 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.040 Hr.
Lag time = 2.40 Min.
25% of lag time = 0.60 Min.
40% of lag time = 0.96 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.) [1]	Rainfall(In) [2]	Weighting[1*2]
9.73	2.20	21.41

100 YEAR Area rainfall data:

Area(Ac.) [1]	Rainfall(In) [2]	Weighting[1*2]
9.73	5.83	56.73

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 2.200(In)
Area Averaged 100-Year Rainfall = 5.830(In)

Point rain (area averaged) = 2.200(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 2.200(In)

Sub-Area Data:
Area(Ac.) Runoff Index Impervious %
9.730 65.00 0.900

Glen Ivy Senior Living

ATTACHMENT C – Inflow Hydrographs

Total Area Entered = 9.73 (Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
65.0	45.0	0.621	0.900	0.118	1.000	0.118
						Sum (F) = 0.118

Area averaged mean soil loss (F) (In/Hr) = 0.118
 Minimum soil loss rate ((In/Hr)) = 0.059
 (for 24 hour storm duration)
 Soil low loss rate (decimal) = 0.180

 U n i t H y d r o g r a p h
 VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	208.162	44.777
2	0.167	416.323	42.802
3	0.250	624.485	8.471
4	0.333	832.646	3.950
Sum = 100.000			Sum= 9.806

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
			Max	Low	
1	0.08	0.07	(0.209)	0.003	0.014
2	0.17	0.07	(0.208)	0.003	0.014
3	0.25	0.07	(0.208)	0.003	0.014
4	0.33	0.10	(0.207)	0.005	0.022
5	0.42	0.10	(0.206)	0.005	0.022
6	0.50	0.10	(0.205)	0.005	0.022
7	0.58	0.10	(0.204)	0.005	0.022
8	0.67	0.10	(0.204)	0.005	0.022
9	0.75	0.10	(0.203)	0.005	0.022
10	0.83	0.13	(0.202)	0.006	0.029
11	0.92	0.13	(0.201)	0.006	0.029
12	1.00	0.13	(0.200)	0.006	0.029
13	1.08	0.10	(0.200)	0.005	0.022
14	1.17	0.10	(0.199)	0.005	0.022
15	1.25	0.10	(0.198)	0.005	0.022
16	1.33	0.10	(0.197)	0.005	0.022
17	1.42	0.10	(0.196)	0.005	0.022
18	1.50	0.10	(0.196)	0.005	0.022
19	1.58	0.10	(0.195)	0.005	0.022
20	1.67	0.10	(0.194)	0.005	0.022
21	1.75	0.10	(0.193)	0.005	0.022
22	1.83	0.13	(0.193)	0.006	0.029
23	1.92	0.13	(0.192)	0.006	0.029
24	2.00	0.13	(0.191)	0.006	0.029
25	2.08	0.13	(0.190)	0.006	0.029
26	2.17	0.13	(0.189)	0.006	0.029
27	2.25	0.13	(0.189)	0.006	0.029
28	2.33	0.13	(0.188)	0.006	0.029
29	2.42	0.13	(0.187)	0.006	0.029
30	2.50	0.13	(0.186)	0.006	0.029
31	2.58	0.17	(0.186)	0.008	0.036
32	2.67	0.17	(0.185)	0.008	0.036
33	2.75	0.17	(0.184)	0.008	0.036
34	2.83	0.17	(0.183)	0.008	0.036
35	2.92	0.17	(0.183)	0.008	0.036
36	3.00	0.17	(0.182)	0.008	0.036
37	3.08	0.17	(0.181)	0.008	0.036
38	3.17	0.17	(0.180)	0.008	0.036

Glen Ivy Senior Living ATTACHMENT C – Inflow Hydrographs

39	3.25	0.17	0.044	(0.180)	0.008	0.036
40	3.33	0.17	0.044	(0.179)	0.008	0.036
41	3.42	0.17	0.044	(0.178)	0.008	0.036
42	3.50	0.17	0.044	(0.177)	0.008	0.036
43	3.58	0.17	0.044	(0.177)	0.008	0.036
44	3.67	0.17	0.044	(0.176)	0.008	0.036
45	3.75	0.17	0.044	(0.175)	0.008	0.036
46	3.83	0.20	0.053	(0.174)	0.010	0.043
47	3.92	0.20	0.053	(0.174)	0.010	0.043
48	4.00	0.20	0.053	(0.173)	0.010	0.043
49	4.08	0.20	0.053	(0.172)	0.010	0.043
50	4.17	0.20	0.053	(0.171)	0.010	0.043
51	4.25	0.20	0.053	(0.171)	0.010	0.043
52	4.33	0.23	0.062	(0.170)	0.011	0.051
53	4.42	0.23	0.062	(0.169)	0.011	0.051
54	4.50	0.23	0.062	(0.168)	0.011	0.051
55	4.58	0.23	0.062	(0.168)	0.011	0.051
56	4.67	0.23	0.062	(0.167)	0.011	0.051
57	4.75	0.23	0.062	(0.166)	0.011	0.051
58	4.83	0.27	0.070	(0.166)	0.013	0.058
59	4.92	0.27	0.070	(0.165)	0.013	0.058
60	5.00	0.27	0.070	(0.164)	0.013	0.058
61	5.08	0.20	0.053	(0.163)	0.010	0.043
62	5.17	0.20	0.053	(0.163)	0.010	0.043
63	5.25	0.20	0.053	(0.162)	0.010	0.043
64	5.33	0.23	0.062	(0.161)	0.011	0.051
65	5.42	0.23	0.062	(0.161)	0.011	0.051
66	5.50	0.23	0.062	(0.160)	0.011	0.051
67	5.58	0.27	0.070	(0.159)	0.013	0.058
68	5.67	0.27	0.070	(0.159)	0.013	0.058
69	5.75	0.27	0.070	(0.158)	0.013	0.058
70	5.83	0.27	0.070	(0.157)	0.013	0.058
71	5.92	0.27	0.070	(0.156)	0.013	0.058
72	6.00	0.27	0.070	(0.156)	0.013	0.058
73	6.08	0.30	0.079	(0.155)	0.014	0.065
74	6.17	0.30	0.079	(0.154)	0.014	0.065
75	6.25	0.30	0.079	(0.154)	0.014	0.065
76	6.33	0.30	0.079	(0.153)	0.014	0.065
77	6.42	0.30	0.079	(0.152)	0.014	0.065
78	6.50	0.30	0.079	(0.152)	0.014	0.065
79	6.58	0.33	0.088	(0.151)	0.016	0.072
80	6.67	0.33	0.088	(0.150)	0.016	0.072
81	6.75	0.33	0.088	(0.150)	0.016	0.072
82	6.83	0.33	0.088	(0.149)	0.016	0.072
83	6.92	0.33	0.088	(0.148)	0.016	0.072
84	7.00	0.33	0.088	(0.148)	0.016	0.072
85	7.08	0.33	0.088	(0.147)	0.016	0.072
86	7.17	0.33	0.088	(0.146)	0.016	0.072
87	7.25	0.33	0.088	(0.146)	0.016	0.072
88	7.33	0.37	0.097	(0.145)	0.017	0.079
89	7.42	0.37	0.097	(0.144)	0.017	0.079
90	7.50	0.37	0.097	(0.144)	0.017	0.079
91	7.58	0.40	0.106	(0.143)	0.019	0.087
92	7.67	0.40	0.106	(0.142)	0.019	0.087
93	7.75	0.40	0.106	(0.142)	0.019	0.087
94	7.83	0.43	0.114	(0.141)	0.021	0.094
95	7.92	0.43	0.114	(0.140)	0.021	0.094
96	8.00	0.43	0.114	(0.140)	0.021	0.094
97	8.08	0.50	0.132	(0.139)	0.024	0.108
98	8.17	0.50	0.132	(0.138)	0.024	0.108
99	8.25	0.50	0.132	(0.138)	0.024	0.108
100	8.33	0.50	0.132	(0.137)	0.024	0.108
101	8.42	0.50	0.132	(0.136)	0.024	0.108
102	8.50	0.50	0.132	(0.136)	0.024	0.108
103	8.58	0.53	0.141	(0.135)	0.025	0.115
104	8.67	0.53	0.141	(0.135)	0.025	0.115
105	8.75	0.53	0.141	(0.134)	0.025	0.115
106	8.83	0.57	0.150	(0.133)	0.027	0.123
107	8.92	0.57	0.150	(0.133)	0.027	0.123
108	9.00	0.57	0.150	(0.132)	0.027	0.123
109	9.08	0.63	0.167	(0.131)	0.030	0.137
110	9.17	0.63	0.167	(0.131)	0.030	0.137

Glen Ivy Senior Living ATTACHMENT C – Inflow Hydrographs

111	9.25	0.63	0.167	(0.130)	0.030	0.137
112	9.33	0.67	0.176	(0.129)	0.032	0.144
113	9.42	0.67	0.176	(0.129)	0.032	0.144
114	9.50	0.67	0.176	(0.128)	0.032	0.144
115	9.58	0.70	0.185	(0.128)	0.033	0.152
116	9.67	0.70	0.185	(0.127)	0.033	0.152
117	9.75	0.70	0.185	(0.126)	0.033	0.152
118	9.83	0.73	0.194	(0.126)	0.035	0.159
119	9.92	0.73	0.194	(0.125)	0.035	0.159
120	10.00	0.73	0.194	(0.125)	0.035	0.159
121	10.08	0.50	0.132	(0.124)	0.024	0.108
122	10.17	0.50	0.132	(0.123)	0.024	0.108
123	10.25	0.50	0.132	(0.123)	0.024	0.108
124	10.33	0.50	0.132	(0.122)	0.024	0.108
125	10.42	0.50	0.132	(0.122)	0.024	0.108
126	10.50	0.50	0.132	(0.121)	0.024	0.108
127	10.58	0.67	0.176	(0.120)	0.032	0.144
128	10.67	0.67	0.176	(0.120)	0.032	0.144
129	10.75	0.67	0.176	(0.119)	0.032	0.144
130	10.83	0.67	0.176	(0.119)	0.032	0.144
131	10.92	0.67	0.176	(0.118)	0.032	0.144
132	11.00	0.67	0.176	(0.117)	0.032	0.144
133	11.08	0.63	0.167	(0.117)	0.030	0.137
134	11.17	0.63	0.167	(0.116)	0.030	0.137
135	11.25	0.63	0.167	(0.116)	0.030	0.137
136	11.33	0.63	0.167	(0.115)	0.030	0.137
137	11.42	0.63	0.167	(0.115)	0.030	0.137
138	11.50	0.63	0.167	(0.114)	0.030	0.137
139	11.58	0.57	0.150	(0.113)	0.027	0.123
140	11.67	0.57	0.150	(0.113)	0.027	0.123
141	11.75	0.57	0.150	(0.112)	0.027	0.123
142	11.83	0.60	0.158	(0.112)	0.029	0.130
143	11.92	0.60	0.158	(0.111)	0.029	0.130
144	12.00	0.60	0.158	(0.111)	0.029	0.130
145	12.08	0.83	0.220	(0.110)	0.040	0.180
146	12.17	0.83	0.220	(0.110)	0.040	0.180
147	12.25	0.83	0.220	(0.109)	0.040	0.180
148	12.33	0.87	0.229	(0.108)	0.041	0.188
149	12.42	0.87	0.229	(0.108)	0.041	0.188
150	12.50	0.87	0.229	(0.107)	0.041	0.188
151	12.58	0.93	0.246	(0.107)	0.044	0.202
152	12.67	0.93	0.246	(0.106)	0.044	0.202
153	12.75	0.93	0.246	(0.106)	0.044	0.202
154	12.83	0.97	0.255	(0.105)	0.046	0.209
155	12.92	0.97	0.255	(0.105)	0.046	0.209
156	13.00	0.97	0.255	(0.104)	0.046	0.209
157	13.08	1.13	0.299	(0.104)	0.054	0.245
158	13.17	1.13	0.299	(0.103)	0.054	0.245
159	13.25	1.13	0.299	(0.103)	0.054	0.245
160	13.33	1.13	0.299	(0.102)	0.054	0.245
161	13.42	1.13	0.299	(0.102)	0.054	0.245
162	13.50	1.13	0.299	(0.101)	0.054	0.245
163	13.58	0.77	0.202	(0.101)	0.036	0.166
164	13.67	0.77	0.202	(0.100)	0.036	0.166
165	13.75	0.77	0.202	(0.100)	0.036	0.166
166	13.83	0.77	0.202	(0.099)	0.036	0.166
167	13.92	0.77	0.202	(0.099)	0.036	0.166
168	14.00	0.77	0.202	(0.098)	0.036	0.166
169	14.08	0.90	0.238	(0.098)	0.043	0.195
170	14.17	0.90	0.238	(0.097)	0.043	0.195
171	14.25	0.90	0.238	(0.097)	0.043	0.195
172	14.33	0.87	0.229	(0.096)	0.041	0.188
173	14.42	0.87	0.229	(0.096)	0.041	0.188
174	14.50	0.87	0.229	(0.095)	0.041	0.188
175	14.58	0.87	0.229	(0.095)	0.041	0.188
176	14.67	0.87	0.229	(0.094)	0.041	0.188
177	14.75	0.87	0.229	(0.094)	0.041	0.188
178	14.83	0.83	0.220	(0.093)	0.040	0.180
179	14.92	0.83	0.220	(0.093)	0.040	0.180
180	15.00	0.83	0.220	(0.092)	0.040	0.180
181	15.08	0.80	0.211	(0.092)	0.038	0.173
182	15.17	0.80	0.211	(0.091)	0.038	0.173

Glen Ivy Senior Living ATTACHMENT C – Inflow Hydrographs

183	15.25	0.80	0.211	(0.091)	0.038	0.173
184	15.33	0.77	0.202	(0.090)	0.036	0.166
185	15.42	0.77	0.202	(0.090)	0.036	0.166
186	15.50	0.77	0.202	(0.089)	0.036	0.166
187	15.58	0.63	0.167	(0.089)	0.030	0.137
188	15.67	0.63	0.167	(0.088)	0.030	0.137
189	15.75	0.63	0.167	(0.088)	0.030	0.137
190	15.83	0.63	0.167	(0.088)	0.030	0.137
191	15.92	0.63	0.167	(0.087)	0.030	0.137
192	16.00	0.63	0.167	(0.087)	0.030	0.137
193	16.08	0.13	0.035	(0.086)	0.006	0.029
194	16.17	0.13	0.035	(0.086)	0.006	0.029
195	16.25	0.13	0.035	(0.085)	0.006	0.029
196	16.33	0.13	0.035	(0.085)	0.006	0.029
197	16.42	0.13	0.035	(0.084)	0.006	0.029
198	16.50	0.13	0.035	(0.084)	0.006	0.029
199	16.58	0.10	0.026	(0.084)	0.005	0.022
200	16.67	0.10	0.026	(0.083)	0.005	0.022
201	16.75	0.10	0.026	(0.083)	0.005	0.022
202	16.83	0.10	0.026	(0.082)	0.005	0.022
203	16.92	0.10	0.026	(0.082)	0.005	0.022
204	17.00	0.10	0.026	(0.082)	0.005	0.022
205	17.08	0.17	0.044	(0.081)	0.008	0.036
206	17.17	0.17	0.044	(0.081)	0.008	0.036
207	17.25	0.17	0.044	(0.080)	0.008	0.036
208	17.33	0.17	0.044	(0.080)	0.008	0.036
209	17.42	0.17	0.044	(0.079)	0.008	0.036
210	17.50	0.17	0.044	(0.079)	0.008	0.036
211	17.58	0.17	0.044	(0.079)	0.008	0.036
212	17.67	0.17	0.044	(0.078)	0.008	0.036
213	17.75	0.17	0.044	(0.078)	0.008	0.036
214	17.83	0.13	0.035	(0.078)	0.006	0.029
215	17.92	0.13	0.035	(0.077)	0.006	0.029
216	18.00	0.13	0.035	(0.077)	0.006	0.029
217	18.08	0.13	0.035	(0.076)	0.006	0.029
218	18.17	0.13	0.035	(0.076)	0.006	0.029
219	18.25	0.13	0.035	(0.076)	0.006	0.029
220	18.33	0.13	0.035	(0.075)	0.006	0.029
221	18.42	0.13	0.035	(0.075)	0.006	0.029
222	18.50	0.13	0.035	(0.075)	0.006	0.029
223	18.58	0.10	0.026	(0.074)	0.005	0.022
224	18.67	0.10	0.026	(0.074)	0.005	0.022
225	18.75	0.10	0.026	(0.073)	0.005	0.022
226	18.83	0.07	0.018	(0.073)	0.003	0.014
227	18.92	0.07	0.018	(0.073)	0.003	0.014
228	19.00	0.07	0.018	(0.072)	0.003	0.014
229	19.08	0.10	0.026	(0.072)	0.005	0.022
230	19.17	0.10	0.026	(0.072)	0.005	0.022
231	19.25	0.10	0.026	(0.071)	0.005	0.022
232	19.33	0.13	0.035	(0.071)	0.006	0.029
233	19.42	0.13	0.035	(0.071)	0.006	0.029
234	19.50	0.13	0.035	(0.070)	0.006	0.029
235	19.58	0.10	0.026	(0.070)	0.005	0.022
236	19.67	0.10	0.026	(0.070)	0.005	0.022
237	19.75	0.10	0.026	(0.069)	0.005	0.022
238	19.83	0.07	0.018	(0.069)	0.003	0.014
239	19.92	0.07	0.018	(0.069)	0.003	0.014
240	20.00	0.07	0.018	(0.069)	0.003	0.014
241	20.08	0.10	0.026	(0.068)	0.005	0.022
242	20.17	0.10	0.026	(0.068)	0.005	0.022
243	20.25	0.10	0.026	(0.068)	0.005	0.022
244	20.33	0.10	0.026	(0.067)	0.005	0.022
245	20.42	0.10	0.026	(0.067)	0.005	0.022
246	20.50	0.10	0.026	(0.067)	0.005	0.022
247	20.58	0.10	0.026	(0.066)	0.005	0.022
248	20.67	0.10	0.026	(0.066)	0.005	0.022
249	20.75	0.10	0.026	(0.066)	0.005	0.022
250	20.83	0.07	0.018	(0.066)	0.003	0.014
251	20.92	0.07	0.018	(0.065)	0.003	0.014
252	21.00	0.07	0.018	(0.065)	0.003	0.014
253	21.08	0.10	0.026	(0.065)	0.005	0.022
254	21.17	0.10	0.026	(0.065)	0.005	0.022

Glen Ivy Senior Living ATTACHMENT C – Inflow Hydrographs

255	21.25	0.10	0.026	(0.064)	0.005	0.022
256	21.33	0.07	0.018	(0.064)	0.003	0.014
257	21.42	0.07	0.018	(0.064)	0.003	0.014
258	21.50	0.07	0.018	(0.064)	0.003	0.014
259	21.58	0.10	0.026	(0.063)	0.005	0.022
260	21.67	0.10	0.026	(0.063)	0.005	0.022
261	21.75	0.10	0.026	(0.063)	0.005	0.022
262	21.83	0.07	0.018	(0.063)	0.003	0.014
263	21.92	0.07	0.018	(0.063)	0.003	0.014
264	22.00	0.07	0.018	(0.062)	0.003	0.014
265	22.08	0.10	0.026	(0.062)	0.005	0.022
266	22.17	0.10	0.026	(0.062)	0.005	0.022
267	22.25	0.10	0.026	(0.062)	0.005	0.022
268	22.33	0.07	0.018	(0.062)	0.003	0.014
269	22.42	0.07	0.018	(0.061)	0.003	0.014
270	22.50	0.07	0.018	(0.061)	0.003	0.014
271	22.58	0.07	0.018	(0.061)	0.003	0.014
272	22.67	0.07	0.018	(0.061)	0.003	0.014
273	22.75	0.07	0.018	(0.061)	0.003	0.014
274	22.83	0.07	0.018	(0.060)	0.003	0.014
275	22.92	0.07	0.018	(0.060)	0.003	0.014
276	23.00	0.07	0.018	(0.060)	0.003	0.014
277	23.08	0.07	0.018	(0.060)	0.003	0.014
278	23.17	0.07	0.018	(0.060)	0.003	0.014
279	23.25	0.07	0.018	(0.060)	0.003	0.014
280	23.33	0.07	0.018	(0.060)	0.003	0.014
281	23.42	0.07	0.018	(0.060)	0.003	0.014
282	23.50	0.07	0.018	(0.059)	0.003	0.014
283	23.58	0.07	0.018	(0.059)	0.003	0.014
284	23.67	0.07	0.018	(0.059)	0.003	0.014
285	23.75	0.07	0.018	(0.059)	0.003	0.014
286	23.83	0.07	0.018	(0.059)	0.003	0.014
287	23.92	0.07	0.018	(0.059)	0.003	0.014
288	24.00	0.07	0.018	(0.059)	0.003	0.014

(Loss Rate Not Used)

Sum = 100.0 Sum = 21.6

Flood volume = Effective rainfall 1.80(In)
times area 9.7(Ac.) / [(In)/(Ft.)] = 1.5(Ac.Ft)
Total soil loss = 0.40(In)
Total soil loss = 0.321(Ac.Ft)
Total rainfall = 2.20(In)
Flood volume = 63715.9 Cubic Feet
Total soil loss = 13986.4 Cubic Feet

Peak flow rate of this hydrograph = 2.407(CFS)

+++++
24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0004	0.06	Q				
0+10	0.0013	0.12	Q				
0+15	0.0022	0.14	Q				
0+20	0.0034	0.17	Q				
0+25	0.0048	0.20	Q				
0+30	0.0063	0.21	Q				
0+35	0.0077	0.21	Q				
0+40	0.0092	0.21	Q				
0+45	0.0107	0.21	Q				
0+50	0.0123	0.24	Q				
0+55	0.0142	0.27	VQ				
1+ 0	0.0162	0.28	VQ				
1+ 5	0.0179	0.25	VQ				
1+10	0.0194	0.22	Q				
1+15	0.0209	0.22	Q				
1+20	0.0224	0.21	Q				
1+25	0.0238	0.21	Q				

Glen Ivy Senior Living ATTACHMENT C – Inflow Hydrographs

1+30	0.0253	0.21	Q				
1+35	0.0267	0.21	Q				
1+40	0.0282	0.21	Q				
1+45	0.0297	0.21	Q				
1+50	0.0314	0.24	Q				
1+55	0.0332	0.27	VQ				
2+ 0	0.0352	0.28	VQ				
2+ 5	0.0371	0.28	IQ				
2+10	0.0391	0.28	IQ				
2+15	0.0410	0.28	IQ				
2+20	0.0430	0.28	IQ				
2+25	0.0449	0.28	IQ				
2+30	0.0469	0.28	IQ				
2+35	0.0490	0.31	IQ				
2+40	0.0514	0.35	IQ				
2+45	0.0538	0.35	IQ				
2+50	0.0563	0.35	IQ				
2+55	0.0587	0.35	IQ				
3+ 0	0.0612	0.35	IQ				
3+ 5	0.0636	0.35	IQ				
3+10	0.0660	0.35	IQ				
3+15	0.0685	0.35	IQ				
3+20	0.0709	0.35	IQ				
3+25	0.0733	0.35	IQV				
3+30	0.0758	0.35	IQV				
3+35	0.0782	0.35	IQV				
3+40	0.0807	0.35	IQV				
3+45	0.0831	0.35	IQV				
3+50	0.0857	0.39	IQV				
3+55	0.0886	0.42	IQV				
4+ 0	0.0915	0.42	IQV				
4+ 5	0.0944	0.42	IQV				
4+10	0.0974	0.42	IQV				
4+15	0.1003	0.42	IQV				
4+20	0.1034	0.46	IQV				
4+25	0.1068	0.49	IQV				
4+30	0.1102	0.49	IQ V				
4+35	0.1136	0.50	IQ V				
4+40	0.1170	0.50	IQ V				
4+45	0.1204	0.50	IQ V				
4+50	0.1241	0.53	IQV				
4+55	0.1279	0.56	IQV				
5+ 0	0.1318	0.56	IQV				
5+ 5	0.1352	0.50	IQV				
5+10	0.1383	0.44	IQ V				
5+15	0.1413	0.43	IQ V				
5+20	0.1444	0.46	IQ V				
5+25	0.1477	0.49	IQ V				
5+30	0.1511	0.49	IQ V				
5+35	0.1548	0.53	IQ V				
5+40	0.1586	0.56	IQ V				
5+45	0.1625	0.56	IQ V				
5+50	0.1664	0.57	IQ V				
5+55	0.1703	0.57	IQ V				
6+ 0	0.1742	0.57	IQ V				
6+ 5	0.1783	0.60	IQ V				
6+10	0.1826	0.63	IQ V				
6+15	0.1870	0.63	IQ V				
6+20	0.1914	0.64	IQ V				
6+25	0.1958	0.64	IQ V				
6+30	0.2002	0.64	IQ V				
6+35	0.2048	0.67	IQ V				
6+40	0.2096	0.70	IQ V				
6+45	0.2145	0.71	IQ V				
6+50	0.2193	0.71	IQ V				
6+55	0.2242	0.71	IQ V				
7+ 0	0.2291	0.71	IQ V				
7+ 5	0.2340	0.71	IQ V				
7+10	0.2388	0.71	IQ V				
7+15	0.2437	0.71	IQ V				
7+20	0.2488	0.74	IQ V				
7+25	0.2541	0.77	IQ V				

Glen Ivy Senior Living ATTACHMENT C – Inflow Hydrographs

7+30	0.2594	0.78	Q	V				
7+35	0.2650	0.81	Q	V				
7+40	0.2708	0.84	Q	V				
7+45	0.2767	0.85	Q	V				
7+50	0.2827	0.88	Q	V				
7+55	0.2890	0.91	Q	V				
8+ 0	0.2953	0.92	Q	V				
8+ 5	0.3021	0.98	Q	V				
8+10	0.3093	1.04	Q	V				
8+15	0.3166	1.06	Q	V				
8+20	0.3239	1.06	Q	V				
8+25	0.3312	1.06	Q	V				
8+30	0.3385	1.06	Q	V				
8+35	0.3460	1.09	Q	V				
8+40	0.3538	1.12	Q	V				
8+45	0.3616	1.13	Q	V				
8+50	0.3696	1.16	Q	V				
8+55	0.3778	1.19	Q	V				
9+ 0	0.3861	1.20	Q	V				
9+ 5	0.3948	1.27	Q	V				
9+10	0.4039	1.33	Q	V				
9+15	0.4132	1.34	Q	V				
9+20	0.4226	1.38	Q	V				
9+25	0.4323	1.41	Q	V				
9+30	0.4421	1.41	Q	V				
9+35	0.4520	1.45	Q	V				
9+40	0.4622	1.48	Q	V				
9+45	0.4724	1.48	Q	V				
9+50	0.4829	1.52	Q	V				
9+55	0.4936	1.55	Q	V				
10+ 0	0.5043	1.55	Q	V				
10+ 5	0.5135	1.34	Q	V				
10+10	0.5212	1.12	Q	V				
10+15	0.5287	1.08	Q	V				
10+20	0.5360	1.06	Q	V				
10+25	0.5433	1.06	Q	V				
10+30	0.5506	1.06	Q	V				
10+35	0.5590	1.22	Q	V				
10+40	0.5684	1.37	Q	V				
10+45	0.5781	1.40	Q	V				
10+50	0.5879	1.42	Q	V				
10+55	0.5976	1.42	Q	V				
11+ 0	0.6074	1.42	Q	V				
11+ 5	0.6169	1.38	Q	V				
11+10	0.6262	1.35	Q	V				
11+15	0.6355	1.35	Q	V				
11+20	0.6448	1.35	Q	V				
11+25	0.6540	1.35	Q	V				
11+30	0.6633	1.35	Q	V				
11+35	0.6721	1.28	Q	V				
11+40	0.6805	1.22	Q	V				
11+45	0.6889	1.21	Q	V				
11+50	0.6974	1.24	Q	V				
11+55	0.7061	1.27	Q	V				
12+ 0	0.7148	1.27	Q	V				
12+ 5	0.7251	1.50	Q	V				
12+10	0.7369	1.71	Q	V				
12+15	0.7490	1.75	Q	V				
12+20	0.7614	1.80	Q	V				
12+25	0.7740	1.83	Q	V				
12+30	0.7866	1.84	Q	V				
12+35	0.7998	1.90	Q	V				
12+40	0.8133	1.96	Q	V				
12+45	0.8269	1.98	Q	V				
12+50	0.8408	2.01	Q	V				
12+55	0.8548	2.04	Q	V				
13+ 0	0.8690	2.05	Q	V				
13+ 5	0.8842	2.21	Q	V				
13+10	0.9005	2.36	Q	V				
13+15	0.9170	2.39	Q	V				
13+20	0.9335	2.41	Q	V				
13+25	0.9501	2.41	Q	V				

Glen Ivy Senior Living ATTACHMENT C – Inflow Hydrographs

13+30	0.9667	2.41		Q		V		
13+35	0.9809	2.06		Q		V		
13+40	0.9927	1.73		Q		V		
13+45	1.0042	1.66		Q		V		
13+50	1.0154	1.63		Q		V		
13+55	1.0266	1.63		Q		V		
14+ 0	1.0378	1.63		Q		V		
14+ 5	1.0499	1.76		Q		V		
14+10	1.0628	1.88		Q		V		
14+15	1.0759	1.90		Q		V		
14+20	1.0889	1.88		Q		V		
14+25	1.1016	1.85		Q		V		
14+30	1.1143	1.84		Q		V		
14+35	1.1270	1.84		Q		V		
14+40	1.1396	1.84		Q		V		
14+45	1.1523	1.84		Q		V		
14+50	1.1648	1.81		Q		V		
14+55	1.1770	1.78		Q		V		
15+ 0	1.1892	1.77		Q		V		
15+ 5	1.2012	1.74		Q		V		
15+10	1.2130	1.71		Q		V		
15+15	1.2247	1.70		Q		V		
15+20	1.2362	1.67		Q		V		
15+25	1.2474	1.64		Q		V		
15+30	1.2587	1.63		Q		V		
15+35	1.2690	1.50		Q		V		
15+40	1.2785	1.38		Q		V		
15+45	1.2879	1.36		Q		V		
15+50	1.2971	1.35		Q		V		
15+55	1.3064	1.35		Q		V		
16+ 0	1.3157	1.35		Q		V		
16+ 5	1.3217	0.87		Q		V		
16+10	1.3245	0.42		Q		V		
16+15	1.3267	0.33		Q		V		
16+20	1.3287	0.28		Q		V		
16+25	1.3306	0.28		Q		V		
16+30	1.3326	0.28		Q		V		
16+35	1.3343	0.25		Q		V		
16+40	1.3359	0.22		Q		V		
16+45	1.3373	0.22		Q		V		
16+50	1.3388	0.21		Q		V		
16+55	1.3403	0.21		Q		V		
17+ 0	1.3417	0.21		Q		V		
17+ 5	1.3436	0.28		Q		V		
17+10	1.3459	0.34		Q		V		
17+15	1.3483	0.35		Q		V		
17+20	1.3508	0.35		Q		V		
17+25	1.3532	0.35		Q		V		
17+30	1.3557	0.35		Q		V		
17+35	1.3581	0.35		Q		V		
17+40	1.3605	0.35		Q		V		
17+45	1.3630	0.35		Q		V		
17+50	1.3652	0.32		Q		V		
17+55	1.3672	0.29		Q		V		
18+ 0	1.3692	0.29		Q		V		
18+ 5	1.3711	0.28		Q		V		
18+10	1.3731	0.28		Q		V		
18+15	1.3750	0.28		Q		V		
18+20	1.3770	0.28		Q		V		
18+25	1.3789	0.28		Q		V		
18+30	1.3809	0.28		Q		V		
18+35	1.3826	0.25		Q		V		
18+40	1.3841	0.22		Q		V		
18+45	1.3856	0.22		Q		V		
18+50	1.3869	0.18		Q		V		
18+55	1.3879	0.15		Q		V		
19+ 0	1.3889	0.14		Q		V		
19+ 5	1.3901	0.17		Q		V		
19+10	1.3915	0.20		Q		V		
19+15	1.3929	0.21		Q		V		
19+20	1.3946	0.24		Q		V		
19+25	1.3965	0.27		Q		V		

Glen Ivy Senior Living ATTACHMENT C – Inflow Hydrographs

19+30	1.3984	0.28	Q				V	
19+35	1.4002	0.25	Q				V	
19+40	1.4017	0.22	Q				V	
19+45	1.4032	0.22	Q				V	
19+50	1.4044	0.18	Q				V	
19+55	1.4054	0.15	Q				V	
20+ 0	1.4064	0.14	Q				V	
20+ 5	1.4076	0.17	Q				V	
20+10	1.4090	0.20	Q				V	
20+15	1.4105	0.21	Q				V	
20+20	1.4119	0.21	Q				V	
20+25	1.4134	0.21	Q				V	
20+30	1.4149	0.21	Q				V	
20+35	1.4163	0.21	Q				V	
20+40	1.4178	0.21	Q				V	
20+45	1.4192	0.21	Q				V	
20+50	1.4205	0.18	Q				V	
20+55	1.4215	0.15	Q				V	
21+ 0	1.4225	0.14	Q				V	
21+ 5	1.4237	0.17	Q				V	
21+10	1.4251	0.20	Q				V	
21+15	1.4266	0.21	Q				V	
21+20	1.4278	0.18	Q				V	
21+25	1.4288	0.15	Q				V	
21+30	1.4298	0.14	Q				V	
21+35	1.4310	0.17	Q				V	
21+40	1.4324	0.20	Q				V	
21+45	1.4339	0.21	Q				V	
21+50	1.4351	0.18	Q				V	
21+55	1.4362	0.15	Q				V	
22+ 0	1.4372	0.14	Q				V	
22+ 5	1.4383	0.17	Q				V	
22+10	1.4397	0.20	Q				V	
22+15	1.4412	0.21	Q				V	
22+20	1.4424	0.18	Q				V	
22+25	1.4435	0.15	Q				V	
22+30	1.4445	0.14	Q				V	
22+35	1.4454	0.14	Q				V	
22+40	1.4464	0.14	Q				V	
22+45	1.4474	0.14	Q				V	
22+50	1.4484	0.14	Q				V	
22+55	1.4493	0.14	Q				V	
23+ 0	1.4503	0.14	Q				V	
23+ 5	1.4513	0.14	Q				V	
23+10	1.4523	0.14	Q				V	
23+15	1.4532	0.14	Q				V	
23+20	1.4542	0.14	Q				V	
23+25	1.4552	0.14	Q				V	
23+30	1.4562	0.14	Q				V	
23+35	1.4571	0.14	Q				V	
23+40	1.4581	0.14	Q				V	
23+45	1.4591	0.14	Q				V	
23+50	1.4601	0.14	Q				V	
23+55	1.4610	0.14	Q				V	
24+ 0	1.4620	0.14	Q				V	
24+ 5	1.4626	0.08	Q				V	
24+10	1.4627	0.02	Q				V	
24+15	1.4627	0.01	Q				V	

Glen Ivy Senior Living

ATTACHMENT C – Inflow Hydrographs

U n i t H y d r o g r a p h A n a l y s i s

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Study date 08/12/20 File: sh5ex15.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 4029

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Glen Ivy Senior Living
Inflow Hydrograph Calculations
Existing Condition
5-year 1-hour storm

Drainage Area = 9.73(Ac.) = 0.015 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 9.73(Ac.) = 0.015 Sq. Mi.
Length along longest watercourse = 1323.00(Ft.)
Length along longest watercourse measured to centroid = 593.00(Ft.)
Length along longest watercourse = 0.251 Mi.
Length along longest watercourse measured to centroid = 0.112 Mi.
Difference in elevation = 20.80(Ft.)
Slope along watercourse = 83.0113 Ft./Mi.
Average Manning's 'N' = 0.025
Lag time = 0.067 Hr.
Lag time = 4.00 Min.
25% of lag time = 1.00 Min.
40% of lag time = 1.60 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.) [1]	Rainfall(In) [2]	Weighting[1*2]
9.73	0.51	4.98

100 YEAR Area rainfall data:

Area(Ac.) [1]	Rainfall(In) [2]	Weighting[1*2]
9.73	1.43	13.91

STORM EVENT (YEAR) = 5.00
Area Averaged 2-Year Rainfall = 0.512(In)
Area Averaged 100-Year Rainfall = 1.430(In)

Point rain (area averaged) = 0.727(In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 0.727(In)

Sub-Area Data:
Area(Ac.) Runoff Index Impervious %
9.730 75.00 0.025

Glen Ivy Senior Living

ATTACHMENT C – Inflow Hydrographs

Total Area Entered = 9.73 (Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
75.0	57.0	0.501	0.025	0.489	1.000	0.489
						Sum (F) = 0.489

Area averaged mean soil loss (F) (In/Hr) = 0.489
 Minimum soil loss rate ((In/Hr)) = 0.245
 (for 24 hour storm duration)
 Soil low loss rate (decimal) = 0.870

 Slope of intensity-duration curve for a 1 hour storm =0.4800

U n i t H y d r o g r a p h VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	124.897	26.601
2	0.167	249.794	48.537
3	0.250	374.691	12.896
4	0.333	499.588	5.804
5	0.417	624.485	3.228
6	0.500	749.382	1.793
7	0.583	874.279	1.141
Sum = 100.000			Sum= 9.806

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
			Max	Low	
1	0.08	4.40	(0.489)	0.334	0.050
2	0.17	4.50	(0.489)	0.342	0.051
3	0.25	5.40	(0.489)	0.410	0.061
4	0.33	5.40	(0.489)	0.410	0.061
5	0.42	5.70	(0.489)	0.433	0.065
6	0.50	6.40	(0.489)	0.486	0.073
7	0.58	7.90	0.489	(0.600)	0.200
8	0.67	9.10	0.794	(0.691)	0.304
9	0.75	12.80	1.117	(0.971)	0.627
10	0.83	25.60	2.233	(1.943)	1.744
11	0.92	7.90	0.689	(0.600)	0.200
12	1.00	4.90	0.427	(0.489)	0.372
(Loss Rate Not Used)					
Sum =	100.0			Sum =	3.5

Flood volume = Effective rainfall 0.29(In)
 times area 9.7 (Ac.) / [(In)/(Ft.)] = 0.2 (Ac.Ft)
 Total soil loss = 0.44 (In)
 Total soil loss = 0.354 (Ac.Ft)
 Total rainfall = 0.73 (In)
 Flood volume = 10276.5 Cubic Feet
 Total soil loss = 15399.5 Cubic Feet

 Peak flow rate of this hydrograph = 9.876 (CFS)

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1 - H O U R S T O R M R u n o f f H y d r o g r a p h

 Hydrograph in 5 Minute intervals ((CFS))

Time (h+m)	Volume Ac.Ft	Q (CFS)	0	2.5	5.0	7.5	10.0

Glen Ivy Senior Living ATTACHMENT C – Inflow Hydrographs

0+ 5	0.0009	0.13	Q				
0+10	0.0035	0.37	VQ				
0+15	0.0067	0.47	Q				
0+20	0.0104	0.54	VQ				
0+25	0.0144	0.58	Q				
0+30	0.0188	0.63	QV				
0+35	0.0258	1.02	Q				
0+40	0.0390	1.91	VQ				
0+45	0.0625	3.42	V Q				
0+50	0.1181	8.08	V			Q	
0+55	0.1862	9.88	V			V Q	
1+ 0	0.2123	3.80	Q			V	
1+ 5	0.2246	1.79	Q			V	
1+10	0.2307	0.88	Q			V	
1+15	0.2339	0.47	Q			V	
1+20	0.2357	0.25	Q			V	
1+25	0.2359	0.03	Q			V	
1+30	0.2359	0.01	Q			V	

Glen Ivy Senior Living

ATTACHMENT C – Inflow Hydrographs

U n i t H y d r o g r a p h A n a l y s i s

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 4029

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Glen Ivy Senior Living
Inflow Hydrograph Calculations
Existing Condition
5-year 3-hour storm

Drainage Area = 9.73(Ac.) = 0.015 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 9.73(Ac.) = 0.015 Sq. Mi.
Length along longest watercourse = 1323.00(Ft.)
Length along longest watercourse measured to centroid = 593.00(Ft.)
Length along longest watercourse = 0.251 Mi.
Length along longest watercourse measured to centroid = 0.112 Mi.
Difference in elevation = 20.80(Ft.)
Slope along watercourse = 83.0113 Ft./Mi.
Average Manning's 'N' = 0.025
Lag time = 0.067 Hr.
Lag time = 4.00 Min.
25% of lag time = 1.00 Min.
40% of lag time = 1.60 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.) [1]	Rainfall(In) [2]	Weighting[1*2]
9.73	0.88	8.60

100 YEAR Area rainfall data:

Area(Ac.) [1]	Rainfall(In) [2]	Weighting[1*2]
9.73	2.28	22.18

STORM EVENT (YEAR) = 5.00
Area Averaged 2-Year Rainfall = 0.884(In)
Area Averaged 100-Year Rainfall = 2.280(In)

Point rain (area averaged) = 1.211(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 1.211(In)

Sub-Area Data:
Area(Ac.) Runoff Index Impervious %
9.730 75.00 0.025

Glen Ivy Senior Living

ATTACHMENT C – Inflow Hydrographs

Total Area Entered = 9.73 (Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
75.0	57.0	0.501	0.025	0.489	1.000	0.489
						Sum (F) = 0.489

Area averaged mean soil loss (F) (In/Hr) = 0.489
 Minimum soil loss rate ((In/Hr)) = 0.245
 (for 24 hour storm duration)
 Soil low loss rate (decimal) = 0.870

 U n i t H y d r o g r a p h
 VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	124.897	26.601
2	0.167	249.794	48.537
3	0.250	374.691	12.896
4	0.333	499.588	5.804
5	0.417	624.485	3.228
6	0.500	749.382	1.793
7	0.583	874.279	1.141
Sum = 100.000			Sum= 9.806

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time	Pattern	Storm Rain	Loss rate(In./Hr)		Effective
(Hr.)	Percent	(In/Hr)	Max	Low	(In/Hr)
1	0.08	1.30	(0.489)	0.164	0.025
2	0.17	1.30	(0.489)	0.164	0.025
3	0.25	1.10	(0.489)	0.139	0.021
4	0.33	1.50	(0.489)	0.190	0.028
5	0.42	1.50	(0.489)	0.190	0.028
6	0.50	1.80	(0.489)	0.228	0.034
7	0.58	1.50	(0.489)	0.190	0.028
8	0.67	1.80	(0.489)	0.228	0.034
9	0.75	1.80	(0.489)	0.228	0.034
10	0.83	1.50	(0.489)	0.190	0.028
11	0.92	1.60	(0.489)	0.202	0.030
12	1.00	1.80	(0.489)	0.228	0.034
13	1.08	2.20	(0.489)	0.278	0.042
14	1.17	2.20	(0.489)	0.278	0.042
15	1.25	2.20	(0.489)	0.278	0.042
16	1.33	2.00	(0.489)	0.253	0.038
17	1.42	2.60	(0.489)	0.329	0.049
18	1.50	2.70	(0.489)	0.341	0.051
19	1.58	2.40	(0.489)	0.303	0.045
20	1.67	2.70	(0.489)	0.341	0.051
21	1.75	3.30	(0.489)	0.417	0.062
22	1.83	3.10	(0.489)	0.392	0.059
23	1.92	2.90	(0.489)	0.367	0.055
24	2.00	3.00	(0.489)	0.379	0.057
25	2.08	3.10	(0.489)	0.392	0.059
26	2.17	4.20	0.489	(0.531)	0.121
27	2.25	5.00	0.489	(0.632)	0.237
28	2.33	3.50	(0.489)	0.442	0.066
29	2.42	6.80	0.489	(0.860)	0.499
30	2.50	7.30	0.489	(0.923)	0.571
31	2.58	8.20	0.489	(1.037)	0.702
32	2.67	5.90	0.857	(0.746)	0.368
33	2.75	2.00	(0.489)	0.253	0.038
34	2.83	1.80	(0.489)	0.228	0.034
35	2.92	1.80	(0.489)	0.228	0.034

Glen Ivy Senior Living

ATTACHMENT C – Inflow Hydrographs

36 3.00 0.60 0.087 (0.489) 0.076 0.011
 (Loss Rate Not Used)

Sum = 100.0 Sum = 3.7

Flood volume = Effective rainfall 0.31(In)
 times area 9.7(Ac.)/[(In)/(Ft.)] = 0.2(Ac.Ft)
 Total soil loss = 0.90(In)
 Total soil loss = 0.733(Ac.Ft)
 Total rainfall = 1.21(In)
 Flood volume = 10834.8 Cubic Feet
 Total soil loss = 31934.9 Cubic Feet

 Peak flow rate of this hydrograph = 5.388 (CFS)

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3 - H O U R S T O R M
 R u n o f f H y d r o g r a p h

 Hydrograph in 5 Minute intervals ((CFS))

Time (h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0004	0.06	Q				
0+10	0.0017	0.18	Q				
0+15	0.0031	0.20	Q				
0+20	0.0046	0.22	Q				
0+25	0.0064	0.26	Q				
0+30	0.0083	0.28	Q				
0+35	0.0104	0.30	Q				
0+40	0.0124	0.30	Q				
0+45	0.0147	0.32	QV				
0+50	0.0168	0.31	QV				
0+55	0.0188	0.29	Q V				
1+ 0	0.0210	0.31	Q V				
1+ 5	0.0233	0.34	Q V				
1+10	0.0260	0.39	Q V				
1+15	0.0287	0.40	Q V				
1+20	0.0314	0.39	Q V				
1+25	0.0342	0.41	Q V				
1+30	0.0374	0.46	Q V				
1+35	0.0406	0.47	Q V				
1+40	0.0439	0.47	Q V				
1+45	0.0474	0.52	Q V				
1+50	0.0513	0.57	Q V				
1+55	0.0552	0.56	Q V				
2+ 0	0.0590	0.55	Q V				
2+ 5	0.0628	0.56	Q V				
2+10	0.0679	0.73	Q V				
2+15	0.0771	1.34	Q V				
2+20	0.0876	1.52	Q V				
2+25	0.1015	2.02	Q V				
2+30	0.1300	4.14	Q V				
2+35	0.1667	5.33	Q V				
2+40	0.2038	5.39	Q V				
2+45	0.2262	3.26	Q V				
2+50	0.2359	1.41	Q V				
2+55	0.2420	0.89	Q V				
3+ 0	0.2459	0.56	Q V				
3+ 5	0.2478	0.27	Q V				
3+10	0.2484	0.09	Q V				
3+15	0.2486	0.03	Q V				
3+20	0.2487	0.01	Q V				
3+25	0.2487	0.01	Q V				
3+30	0.2487	0.00	Q V				

Glen Ivy Senior Living

ATTACHMENT C – Inflow Hydrographs

U n i t H y d r o g r a p h A n a l y s i s

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Study date 08/12/20 File: sh5ex65.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 4029

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Glen Ivy Senior Living
Inflow Hydrograph Calculations
Existing Condition
5-year 6-hour storm

Drainage Area = 9.73(Ac.) = 0.015 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 9.73(Ac.) = 0.015 Sq. Mi.
Length along longest watercourse = 1323.00(Ft.)
Length along longest watercourse measured to centroid = 593.00(Ft.)
Length along longest watercourse = 0.251 Mi.
Length along longest watercourse measured to centroid = 0.112 Mi.
Difference in elevation = 20.80(Ft.)
Slope along watercourse = 83.0113 Ft./Mi.
Average Manning's 'N' = 0.025
Lag time = 0.067 Hr.
Lag time = 4.00 Min.
25% of lag time = 1.00 Min.
40% of lag time = 1.60 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.) [1]	Rainfall(In) [2]	Weighting[1*2]
9.73	1.23	11.97

100 YEAR Area rainfall data:

Area(Ac.) [1]	Rainfall(In) [2]	Weighting[1*2]
9.73	3.12	30.36

STORM EVENT (YEAR) = 5.00
Area Averaged 2-Year Rainfall = 1.230(In)
Area Averaged 100-Year Rainfall = 3.120(In)

Point rain (area averaged) = 1.673(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 1.673(In)

Sub-Area Data:
Area(Ac.) Runoff Index Impervious %
9.730 75.00 0.025

Glen Ivy Senior Living

ATTACHMENT C – Inflow Hydrographs

Total Area Entered = 9.73 (Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
75.0	57.0	0.501	0.025	0.489	1.000	0.489
						Sum (F) = 0.489

Area averaged mean soil loss (F) (In/Hr) = 0.489
 Minimum soil loss rate ((In/Hr)) = 0.245
 (for 24 hour storm duration)
 Soil low loss rate (decimal) = 0.870

 U n i t H y d r o g r a p h
 VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	124.897	26.601
2	0.167	249.794	48.537
3	0.250	374.691	12.896
4	0.333	499.588	5.804
5	0.417	624.485	3.228
6	0.500	749.382	1.793
7	0.583	874.279	1.141
		Sum = 100.000	Sum= 9.806

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.50	0.100	(0.489)	0.087	0.013
2	0.17	0.60	0.120	(0.489)	0.105	0.016
3	0.25	0.60	0.120	(0.489)	0.105	0.016
4	0.33	0.60	0.120	(0.489)	0.105	0.016
5	0.42	0.60	0.120	(0.489)	0.105	0.016
6	0.50	0.70	0.141	(0.489)	0.122	0.018
7	0.58	0.70	0.141	(0.489)	0.122	0.018
8	0.67	0.70	0.141	(0.489)	0.122	0.018
9	0.75	0.70	0.141	(0.489)	0.122	0.018
10	0.83	0.70	0.141	(0.489)	0.122	0.018
11	0.92	0.70	0.141	(0.489)	0.122	0.018
12	1.00	0.80	0.161	(0.489)	0.140	0.021
13	1.08	0.80	0.161	(0.489)	0.140	0.021
14	1.17	0.80	0.161	(0.489)	0.140	0.021
15	1.25	0.80	0.161	(0.489)	0.140	0.021
16	1.33	0.80	0.161	(0.489)	0.140	0.021
17	1.42	0.80	0.161	(0.489)	0.140	0.021
18	1.50	0.80	0.161	(0.489)	0.140	0.021
19	1.58	0.80	0.161	(0.489)	0.140	0.021
20	1.67	0.80	0.161	(0.489)	0.140	0.021
21	1.75	0.80	0.161	(0.489)	0.140	0.021
22	1.83	0.80	0.161	(0.489)	0.140	0.021
23	1.92	0.80	0.161	(0.489)	0.140	0.021
24	2.00	0.90	0.181	(0.489)	0.157	0.023
25	2.08	0.80	0.161	(0.489)	0.140	0.021
26	2.17	0.90	0.181	(0.489)	0.157	0.023
27	2.25	0.90	0.181	(0.489)	0.157	0.023
28	2.33	0.90	0.181	(0.489)	0.157	0.023
29	2.42	0.90	0.181	(0.489)	0.157	0.023
30	2.50	0.90	0.181	(0.489)	0.157	0.023
31	2.58	0.90	0.181	(0.489)	0.157	0.023
32	2.67	0.90	0.181	(0.489)	0.157	0.023
33	2.75	1.00	0.201	(0.489)	0.175	0.026
34	2.83	1.00	0.201	(0.489)	0.175	0.026
35	2.92	1.00	0.201	(0.489)	0.175	0.026

Glen Ivy Senior Living ATTACHMENT C – Inflow Hydrographs

36	3.00	1.00	0.201	(0.489)	0.175	0.026
37	3.08	1.00	0.201	(0.489)	0.175	0.026
38	3.17	1.10	0.221	(0.489)	0.192	0.029
39	3.25	1.10	0.221	(0.489)	0.192	0.029
40	3.33	1.10	0.221	(0.489)	0.192	0.029
41	3.42	1.20	0.241	(0.489)	0.210	0.031
42	3.50	1.30	0.261	(0.489)	0.227	0.034
43	3.58	1.40	0.281	(0.489)	0.244	0.037
44	3.67	1.40	0.281	(0.489)	0.244	0.037
45	3.75	1.50	0.301	(0.489)	0.262	0.039
46	3.83	1.50	0.301	(0.489)	0.262	0.039
47	3.92	1.60	0.321	(0.489)	0.279	0.042
48	4.00	1.60	0.321	(0.489)	0.279	0.042
49	4.08	1.70	0.341	(0.489)	0.297	0.044
50	4.17	1.80	0.361	(0.489)	0.314	0.047
51	4.25	1.90	0.381	(0.489)	0.332	0.050
52	4.33	2.00	0.401	(0.489)	0.349	0.052
53	4.42	2.10	0.422	(0.489)	0.367	0.055
54	4.50	2.10	0.422	(0.489)	0.367	0.055
55	4.58	2.20	0.442	(0.489)	0.384	0.057
56	4.67	2.30	0.462	(0.489)	0.402	0.060
57	4.75	2.40	0.482	(0.489)	0.419	0.063
58	4.83	2.40	0.482	(0.489)	0.419	0.063
59	4.92	2.50	0.502	(0.489)	0.437	0.065
60	5.00	2.60	0.522	(0.489)	0.454	0.068
61	5.08	3.10	0.622	0.489 (0.541)		0.133
62	5.17	3.60	0.723	0.489 (0.629)		0.233
63	5.25	3.90	0.783	0.489 (0.681)		0.293
64	5.33	4.20	0.843	0.489 (0.733)		0.354
65	5.42	4.70	0.943	0.489 (0.821)		0.454
66	5.50	5.60	1.124	0.489 (0.978)		0.635
67	5.58	1.90	0.381	(0.489)	0.332	0.050
68	5.67	0.90	0.181	(0.489)	0.157	0.023
69	5.75	0.60	0.120	(0.489)	0.105	0.016
70	5.83	0.50	0.100	(0.489)	0.087	0.013
71	5.92	0.30	0.060	(0.489)	0.052	0.008
72	6.00	0.20	0.040	(0.489)	0.035	0.005

(Loss Rate Not Used)

Sum = 100.0 Sum = 4.1

Flood volume = Effective rainfall 0.34(In)
times area 9.7(Ac.)/[(In)/(Ft.)] = 0.3(Ac.Ft)
Total soil loss = 1.33(In)
Total soil loss = 1.082(Ac.Ft)
Total rainfall = 1.67(In)
Flood volume = 11939.0 Cubic Feet
Total soil loss = 47138.0 Cubic Feet

Peak flow rate of this hydrograph = 4.538(CFS)

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6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0002	0.03	Q				
0+10	0.0009	0.10	Q				
0+15	0.0019	0.13	Q				
0+20	0.0028	0.14	Q				
0+25	0.0039	0.15	Q				
0+30	0.0049	0.16	Q				
0+35	0.0061	0.17	Q				
0+40	0.0073	0.18	QV				
0+45	0.0086	0.18	QV				
0+50	0.0098	0.18	QV				
0+55	0.0110	0.18	QV				
1+ 0	0.0123	0.19	QV				
1+ 5	0.0137	0.20	QV				
1+10	0.0151	0.20	Q V				

Glen Ivy Senior Living ATTACHMENT C – Inflow Hydrographs

1+15	0.0165	0.20	Q	V					
1+20	0.0179	0.20	Q	V					
1+25	0.0193	0.20	Q	V					
1+30	0.0207	0.20	Q	V					
1+35	0.0221	0.20	Q	V					
1+40	0.0235	0.20	Q	V					
1+45	0.0249	0.20	Q	V					
1+50	0.0263	0.20	Q	V					
1+55	0.0277	0.20	Q	V					
2+ 0	0.0292	0.21	Q	V					
2+ 5	0.0307	0.22	Q	V					
2+10	0.0322	0.21	Q	V					
2+15	0.0337	0.23	Q	V					
2+20	0.0353	0.23	Q	V					
2+25	0.0369	0.23	Q	V					
2+30	0.0385	0.23	Q	V					
2+35	0.0401	0.23	Q	V					
2+40	0.0416	0.23	Q	V					
2+45	0.0433	0.24	Q	V					
2+50	0.0450	0.25	Q	V					
2+55	0.0467	0.25	Q	V					
3+ 0	0.0485	0.25	Q	V					
3+ 5	0.0502	0.26	Q	V					
3+10	0.0520	0.26	Q	V					
3+15	0.0539	0.28	Q	V					
3+20	0.0559	0.28	Q	V					
3+25	0.0578	0.29	Q	V					
3+30	0.0600	0.31	Q	V					
3+35	0.0622	0.33	Q	V					
3+40	0.0646	0.35	Q	V					
3+45	0.0671	0.36	Q	V					
3+50	0.0697	0.38	Q	V					
3+55	0.0723	0.39	Q	V					
4+ 0	0.0751	0.40	Q	V					
4+ 5	0.0779	0.41	Q	V					
4+10	0.0809	0.43	Q	V					
4+15	0.0841	0.46	Q	V					
4+20	0.0874	0.48	Q	V					
4+25	0.0909	0.51	Q	V					
4+30	0.0945	0.53	Q	V					
4+35	0.0982	0.54	Q	V					
4+40	0.1021	0.56	Q	V					
4+45	0.1061	0.59	Q	V					
4+50	0.1103	0.60	Q	V					
4+55	0.1145	0.62	Q	V					
5+ 0	0.1189	0.64	Q	V					
5+ 5	0.1246	0.82	Q	V					
5+10	0.1342	1.40	Q	V					
5+15	0.1489	2.12	Q	V					
5+20	0.1677	2.73	Q	V					
5+25	0.1913	3.43	Q	V					
5+30	0.2226	4.54	Q	V					
5+35	0.2506	4.08	Q	V					
5+40	0.2613	1.55	Q	V					
5+45	0.2669	0.82	Q	V					
5+50	0.2703	0.49	Q	V					
5+55	0.2723	0.29	Q	V					
6+ 0	0.2734	0.16	Q	V					
6+ 5	0.2738	0.06	Q	V					
6+10	0.2740	0.02	Q	V					
6+15	0.2740	0.01	Q	V					
6+20	0.2741	0.00	Q	V					
6+25	0.2741	0.00	Q	V					
6+30	0.2741	0.00	Q	V					

Glen Ivy Senior Living

ATTACHMENT C – Inflow Hydrographs

U n i t H y d r o g r a p h A n a l y s i s

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Study date 08/12/20 File: sh5ex245.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 4029

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Glen Ivy Senior Living
Inflow Hydrograph Calculations
Existing Condition
5-year 24-hour storm

Drainage Area = 9.73(Ac.) = 0.015 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 9.73(Ac.) = 0.015 Sq. Mi.
Length along longest watercourse = 1323.00(Ft.)
Length along longest watercourse measured to centroid = 593.00(Ft.)
Length along longest watercourse = 0.251 Mi.
Length along longest watercourse measured to centroid = 0.112 Mi.
Difference in elevation = 20.80(Ft.)
Slope along watercourse = 83.0113 Ft./Mi.
Average Manning's 'N' = 0.025
Lag time = 0.067 Hr.
Lag time = 4.00 Min.
25% of lag time = 1.00 Min.
40% of lag time = 1.60 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.) [1]	Rainfall(In) [2]	Weighting[1*2]
9.73	2.20	21.41

100 YEAR Area rainfall data:

Area(Ac.) [1]	Rainfall(In) [2]	Weighting[1*2]
9.73	5.83	56.73

STORM EVENT (YEAR) = 5.00
Area Averaged 2-Year Rainfall = 2.200(In)
Area Averaged 100-Year Rainfall = 5.830(In)

Point rain (area averaged) = 3.050(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 3.050(In)

Sub-Area Data:
Area(Ac.) Runoff Index Impervious %

Glen Ivy Senior Living

ATTACHMENT C – Inflow Hydrographs

9.730 75.00 0.025
 Total Area Entered = 9.73 (Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
75.0	57.0	0.501	0.025	0.489	1.000	0.489
						Sum (F) = 0.489

Area averaged mean soil loss (F) (In/Hr) = 0.489
 Minimum soil loss rate ((In/Hr)) = 0.245
 (for 24 hour storm duration)
 Soil low loss rate (decimal) = 0.870

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	124.897	26.601
2	0.167	249.794	48.537
3	0.250	374.691	12.896
4	0.333	499.588	5.804
5	0.417	624.485	3.228
6	0.500	749.382	1.793
7	0.583	874.279	1.141
Sum = 100.000			Sum= 9.806

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.07	0.024	(0.867)	0.021	0.003
2	0.17	0.07	0.024	(0.864)	0.021	0.003
3	0.25	0.07	0.024	(0.861)	0.021	0.003
4	0.33	0.10	0.037	(0.857)	0.032	0.005
5	0.42	0.10	0.037	(0.854)	0.032	0.005
6	0.50	0.10	0.037	(0.851)	0.032	0.005
7	0.58	0.10	0.037	(0.847)	0.032	0.005
8	0.67	0.10	0.037	(0.844)	0.032	0.005
9	0.75	0.10	0.037	(0.841)	0.032	0.005
10	0.83	0.13	0.049	(0.838)	0.042	0.006
11	0.92	0.13	0.049	(0.834)	0.042	0.006
12	1.00	0.13	0.049	(0.831)	0.042	0.006
13	1.08	0.10	0.037	(0.828)	0.032	0.005
14	1.17	0.10	0.037	(0.824)	0.032	0.005
15	1.25	0.10	0.037	(0.821)	0.032	0.005
16	1.33	0.10	0.037	(0.818)	0.032	0.005
17	1.42	0.10	0.037	(0.815)	0.032	0.005
18	1.50	0.10	0.037	(0.811)	0.032	0.005
19	1.58	0.10	0.037	(0.808)	0.032	0.005
20	1.67	0.10	0.037	(0.805)	0.032	0.005
21	1.75	0.10	0.037	(0.802)	0.032	0.005
22	1.83	0.13	0.049	(0.798)	0.042	0.006
23	1.92	0.13	0.049	(0.795)	0.042	0.006
24	2.00	0.13	0.049	(0.792)	0.042	0.006
25	2.08	0.13	0.049	(0.789)	0.042	0.006
26	2.17	0.13	0.049	(0.786)	0.042	0.006
27	2.25	0.13	0.049	(0.782)	0.042	0.006
28	2.33	0.13	0.049	(0.779)	0.042	0.006
29	2.42	0.13	0.049	(0.776)	0.042	0.006
30	2.50	0.13	0.049	(0.773)	0.042	0.006
31	2.58	0.17	0.061	(0.770)	0.053	0.008
32	2.67	0.17	0.061	(0.767)	0.053	0.008
33	2.75	0.17	0.061	(0.763)	0.053	0.008
34	2.83	0.17	0.061	(0.760)	0.053	0.008

Glen Ivy Senior Living ATTACHMENT C – Inflow Hydrographs

35	2.92	0.17	0.061	(0.757)	0.053	0.008
36	3.00	0.17	0.061	(0.754)	0.053	0.008
37	3.08	0.17	0.061	(0.751)	0.053	0.008
38	3.17	0.17	0.061	(0.748)	0.053	0.008
39	3.25	0.17	0.061	(0.745)	0.053	0.008
40	3.33	0.17	0.061	(0.741)	0.053	0.008
41	3.42	0.17	0.061	(0.738)	0.053	0.008
42	3.50	0.17	0.061	(0.735)	0.053	0.008
43	3.58	0.17	0.061	(0.732)	0.053	0.008
44	3.67	0.17	0.061	(0.729)	0.053	0.008
45	3.75	0.17	0.061	(0.726)	0.053	0.008
46	3.83	0.20	0.073	(0.723)	0.064	0.010
47	3.92	0.20	0.073	(0.720)	0.064	0.010
48	4.00	0.20	0.073	(0.717)	0.064	0.010
49	4.08	0.20	0.073	(0.714)	0.064	0.010
50	4.17	0.20	0.073	(0.711)	0.064	0.010
51	4.25	0.20	0.073	(0.708)	0.064	0.010
52	4.33	0.23	0.085	(0.705)	0.074	0.011
53	4.42	0.23	0.085	(0.702)	0.074	0.011
54	4.50	0.23	0.085	(0.699)	0.074	0.011
55	4.58	0.23	0.085	(0.696)	0.074	0.011
56	4.67	0.23	0.085	(0.693)	0.074	0.011
57	4.75	0.23	0.085	(0.690)	0.074	0.011
58	4.83	0.27	0.098	(0.687)	0.085	0.013
59	4.92	0.27	0.098	(0.684)	0.085	0.013
60	5.00	0.27	0.098	(0.681)	0.085	0.013
61	5.08	0.20	0.073	(0.678)	0.064	0.010
62	5.17	0.20	0.073	(0.675)	0.064	0.010
63	5.25	0.20	0.073	(0.672)	0.064	0.010
64	5.33	0.23	0.085	(0.669)	0.074	0.011
65	5.42	0.23	0.085	(0.666)	0.074	0.011
66	5.50	0.23	0.085	(0.663)	0.074	0.011
67	5.58	0.27	0.098	(0.660)	0.085	0.013
68	5.67	0.27	0.098	(0.657)	0.085	0.013
69	5.75	0.27	0.098	(0.655)	0.085	0.013
70	5.83	0.27	0.098	(0.652)	0.085	0.013
71	5.92	0.27	0.098	(0.649)	0.085	0.013
72	6.00	0.27	0.098	(0.646)	0.085	0.013
73	6.08	0.30	0.110	(0.643)	0.096	0.014
74	6.17	0.30	0.110	(0.640)	0.096	0.014
75	6.25	0.30	0.110	(0.637)	0.096	0.014
76	6.33	0.30	0.110	(0.634)	0.096	0.014
77	6.42	0.30	0.110	(0.632)	0.096	0.014
78	6.50	0.30	0.110	(0.629)	0.096	0.014
79	6.58	0.33	0.122	(0.626)	0.106	0.016
80	6.67	0.33	0.122	(0.623)	0.106	0.016
81	6.75	0.33	0.122	(0.620)	0.106	0.016
82	6.83	0.33	0.122	(0.618)	0.106	0.016
83	6.92	0.33	0.122	(0.615)	0.106	0.016
84	7.00	0.33	0.122	(0.612)	0.106	0.016
85	7.08	0.33	0.122	(0.609)	0.106	0.016
86	7.17	0.33	0.122	(0.606)	0.106	0.016
87	7.25	0.33	0.122	(0.604)	0.106	0.016
88	7.33	0.37	0.134	(0.601)	0.117	0.017
89	7.42	0.37	0.134	(0.598)	0.117	0.017
90	7.50	0.37	0.134	(0.595)	0.117	0.017
91	7.58	0.40	0.146	(0.593)	0.127	0.019
92	7.67	0.40	0.146	(0.590)	0.127	0.019
93	7.75	0.40	0.146	(0.587)	0.127	0.019
94	7.83	0.43	0.159	(0.585)	0.138	0.021
95	7.92	0.43	0.159	(0.582)	0.138	0.021
96	8.00	0.43	0.159	(0.579)	0.138	0.021
97	8.08	0.50	0.183	(0.576)	0.159	0.024
98	8.17	0.50	0.183	(0.574)	0.159	0.024
99	8.25	0.50	0.183	(0.571)	0.159	0.024
100	8.33	0.50	0.183	(0.568)	0.159	0.024
101	8.42	0.50	0.183	(0.566)	0.159	0.024
102	8.50	0.50	0.183	(0.563)	0.159	0.024
103	8.58	0.53	0.195	(0.560)	0.170	0.025
104	8.67	0.53	0.195	(0.558)	0.170	0.025
105	8.75	0.53	0.195	(0.555)	0.170	0.025
106	8.83	0.57	0.207	(0.553)	0.180	0.027

Glen Ivy Senior Living ATTACHMENT C – Inflow Hydrographs

107	8.92	0.57	0.207	(0.550)	0.180	0.027
108	9.00	0.57	0.207	(0.547)	0.180	0.027
109	9.08	0.63	0.232	(0.545)	0.202	0.030
110	9.17	0.63	0.232	(0.542)	0.202	0.030
111	9.25	0.63	0.232	(0.540)	0.202	0.030
112	9.33	0.67	0.244	(0.537)	0.212	0.032
113	9.42	0.67	0.244	(0.534)	0.212	0.032
114	9.50	0.67	0.244	(0.532)	0.212	0.032
115	9.58	0.70	0.256	(0.529)	0.223	0.033
116	9.67	0.70	0.256	(0.527)	0.223	0.033
117	9.75	0.70	0.256	(0.524)	0.223	0.033
118	9.83	0.73	0.268	(0.522)	0.234	0.035
119	9.92	0.73	0.268	(0.519)	0.234	0.035
120	10.00	0.73	0.268	(0.517)	0.234	0.035
121	10.08	0.50	0.183	(0.514)	0.159	0.024
122	10.17	0.50	0.183	(0.512)	0.159	0.024
123	10.25	0.50	0.183	(0.509)	0.159	0.024
124	10.33	0.50	0.183	(0.507)	0.159	0.024
125	10.42	0.50	0.183	(0.504)	0.159	0.024
126	10.50	0.50	0.183	(0.502)	0.159	0.024
127	10.58	0.67	0.244	(0.499)	0.212	0.032
128	10.67	0.67	0.244	(0.497)	0.212	0.032
129	10.75	0.67	0.244	(0.495)	0.212	0.032
130	10.83	0.67	0.244	(0.492)	0.212	0.032
131	10.92	0.67	0.244	(0.490)	0.212	0.032
132	11.00	0.67	0.244	(0.487)	0.212	0.032
133	11.08	0.63	0.232	(0.485)	0.202	0.030
134	11.17	0.63	0.232	(0.483)	0.202	0.030
135	11.25	0.63	0.232	(0.480)	0.202	0.030
136	11.33	0.63	0.232	(0.478)	0.202	0.030
137	11.42	0.63	0.232	(0.475)	0.202	0.030
138	11.50	0.63	0.232	(0.473)	0.202	0.030
139	11.58	0.57	0.207	(0.471)	0.180	0.027
140	11.67	0.57	0.207	(0.468)	0.180	0.027
141	11.75	0.57	0.207	(0.466)	0.180	0.027
142	11.83	0.60	0.220	(0.464)	0.191	0.029
143	11.92	0.60	0.220	(0.461)	0.191	0.029
144	12.00	0.60	0.220	(0.459)	0.191	0.029
145	12.08	0.83	0.305	(0.457)	0.265	0.040
146	12.17	0.83	0.305	(0.454)	0.265	0.040
147	12.25	0.83	0.305	(0.452)	0.265	0.040
148	12.33	0.87	0.317	(0.450)	0.276	0.041
149	12.42	0.87	0.317	(0.448)	0.276	0.041
150	12.50	0.87	0.317	(0.445)	0.276	0.041
151	12.58	0.93	0.342	(0.443)	0.297	0.044
152	12.67	0.93	0.342	(0.441)	0.297	0.044
153	12.75	0.93	0.342	(0.439)	0.297	0.044
154	12.83	0.97	0.354	(0.437)	0.308	0.046
155	12.92	0.97	0.354	(0.434)	0.308	0.046
156	13.00	0.97	0.354	(0.432)	0.308	0.046
157	13.08	1.13	0.415	(0.430)	0.361	0.054
158	13.17	1.13	0.415	(0.428)	0.361	0.054
159	13.25	1.13	0.415	(0.426)	0.361	0.054
160	13.33	1.13	0.415	(0.423)	0.361	0.054
161	13.42	1.13	0.415	(0.421)	0.361	0.054
162	13.50	1.13	0.415	(0.419)	0.361	0.054
163	13.58	0.77	0.281	(0.417)	0.244	0.036
164	13.67	0.77	0.281	(0.415)	0.244	0.036
165	13.75	0.77	0.281	(0.413)	0.244	0.036
166	13.83	0.77	0.281	(0.411)	0.244	0.036
167	13.92	0.77	0.281	(0.409)	0.244	0.036
168	14.00	0.77	0.281	(0.406)	0.244	0.036
169	14.08	0.90	0.329	(0.404)	0.287	0.043
170	14.17	0.90	0.329	(0.402)	0.287	0.043
171	14.25	0.90	0.329	(0.400)	0.287	0.043
172	14.33	0.87	0.317	(0.398)	0.276	0.041
173	14.42	0.87	0.317	(0.396)	0.276	0.041
174	14.50	0.87	0.317	(0.394)	0.276	0.041
175	14.58	0.87	0.317	(0.392)	0.276	0.041
176	14.67	0.87	0.317	(0.390)	0.276	0.041
177	14.75	0.87	0.317	(0.388)	0.276	0.041
178	14.83	0.83	0.305	(0.386)	0.265	0.040

Glen Ivy Senior Living ATTACHMENT C – Inflow Hydrographs

179	14.92	0.83	0.305	(0.384)	0.265	0.040
180	15.00	0.83	0.305	(0.382)	0.265	0.040
181	15.08	0.80	0.293	(0.380)	0.255	0.038
182	15.17	0.80	0.293	(0.378)	0.255	0.038
183	15.25	0.80	0.293	(0.376)	0.255	0.038
184	15.33	0.77	0.281	(0.374)	0.244	0.036
185	15.42	0.77	0.281	(0.372)	0.244	0.036
186	15.50	0.77	0.281	(0.371)	0.244	0.036
187	15.58	0.63	0.232	(0.369)	0.202	0.030
188	15.67	0.63	0.232	(0.367)	0.202	0.030
189	15.75	0.63	0.232	(0.365)	0.202	0.030
190	15.83	0.63	0.232	(0.363)	0.202	0.030
191	15.92	0.63	0.232	(0.361)	0.202	0.030
192	16.00	0.63	0.232	(0.359)	0.202	0.030
193	16.08	0.13	0.049	(0.358)	0.042	0.006
194	16.17	0.13	0.049	(0.356)	0.042	0.006
195	16.25	0.13	0.049	(0.354)	0.042	0.006
196	16.33	0.13	0.049	(0.352)	0.042	0.006
197	16.42	0.13	0.049	(0.350)	0.042	0.006
198	16.50	0.13	0.049	(0.348)	0.042	0.006
199	16.58	0.10	0.037	(0.347)	0.032	0.005
200	16.67	0.10	0.037	(0.345)	0.032	0.005
201	16.75	0.10	0.037	(0.343)	0.032	0.005
202	16.83	0.10	0.037	(0.341)	0.032	0.005
203	16.92	0.10	0.037	(0.340)	0.032	0.005
204	17.00	0.10	0.037	(0.338)	0.032	0.005
205	17.08	0.17	0.061	(0.336)	0.053	0.008
206	17.17	0.17	0.061	(0.335)	0.053	0.008
207	17.25	0.17	0.061	(0.333)	0.053	0.008
208	17.33	0.17	0.061	(0.331)	0.053	0.008
209	17.42	0.17	0.061	(0.330)	0.053	0.008
210	17.50	0.17	0.061	(0.328)	0.053	0.008
211	17.58	0.17	0.061	(0.326)	0.053	0.008
212	17.67	0.17	0.061	(0.325)	0.053	0.008
213	17.75	0.17	0.061	(0.323)	0.053	0.008
214	17.83	0.13	0.049	(0.321)	0.042	0.006
215	17.92	0.13	0.049	(0.320)	0.042	0.006
216	18.00	0.13	0.049	(0.318)	0.042	0.006
217	18.08	0.13	0.049	(0.317)	0.042	0.006
218	18.17	0.13	0.049	(0.315)	0.042	0.006
219	18.25	0.13	0.049	(0.314)	0.042	0.006
220	18.33	0.13	0.049	(0.312)	0.042	0.006
221	18.42	0.13	0.049	(0.311)	0.042	0.006
222	18.50	0.13	0.049	(0.309)	0.042	0.006
223	18.58	0.10	0.037	(0.308)	0.032	0.005
224	18.67	0.10	0.037	(0.306)	0.032	0.005
225	18.75	0.10	0.037	(0.305)	0.032	0.005
226	18.83	0.07	0.024	(0.303)	0.021	0.003
227	18.92	0.07	0.024	(0.302)	0.021	0.003
228	19.00	0.07	0.024	(0.300)	0.021	0.003
229	19.08	0.10	0.037	(0.299)	0.032	0.005
230	19.17	0.10	0.037	(0.297)	0.032	0.005
231	19.25	0.10	0.037	(0.296)	0.032	0.005
232	19.33	0.13	0.049	(0.295)	0.042	0.006
233	19.42	0.13	0.049	(0.293)	0.042	0.006
234	19.50	0.13	0.049	(0.292)	0.042	0.006
235	19.58	0.10	0.037	(0.291)	0.032	0.005
236	19.67	0.10	0.037	(0.289)	0.032	0.005
237	19.75	0.10	0.037	(0.288)	0.032	0.005
238	19.83	0.07	0.024	(0.287)	0.021	0.003
239	19.92	0.07	0.024	(0.285)	0.021	0.003
240	20.00	0.07	0.024	(0.284)	0.021	0.003
241	20.08	0.10	0.037	(0.283)	0.032	0.005
242	20.17	0.10	0.037	(0.282)	0.032	0.005
243	20.25	0.10	0.037	(0.280)	0.032	0.005
244	20.33	0.10	0.037	(0.279)	0.032	0.005
245	20.42	0.10	0.037	(0.278)	0.032	0.005
246	20.50	0.10	0.037	(0.277)	0.032	0.005
247	20.58	0.10	0.037	(0.276)	0.032	0.005
248	20.67	0.10	0.037	(0.275)	0.032	0.005
249	20.75	0.10	0.037	(0.273)	0.032	0.005
250	20.83	0.07	0.024	(0.272)	0.021	0.003

Glen Ivy Senior Living

ATTACHMENT C – Inflow Hydrographs

251	20.92	0.07	0.024	(0.271)	0.021	0.003
252	21.00	0.07	0.024	(0.270)	0.021	0.003
253	21.08	0.10	0.037	(0.269)	0.032	0.005
254	21.17	0.10	0.037	(0.268)	0.032	0.005
255	21.25	0.10	0.037	(0.267)	0.032	0.005
256	21.33	0.07	0.024	(0.266)	0.021	0.003
257	21.42	0.07	0.024	(0.265)	0.021	0.003
258	21.50	0.07	0.024	(0.264)	0.021	0.003
259	21.58	0.10	0.037	(0.263)	0.032	0.005
260	21.67	0.10	0.037	(0.262)	0.032	0.005
261	21.75	0.10	0.037	(0.261)	0.032	0.005
262	21.83	0.07	0.024	(0.260)	0.021	0.003
263	21.92	0.07	0.024	(0.259)	0.021	0.003
264	22.00	0.07	0.024	(0.258)	0.021	0.003
265	22.08	0.10	0.037	(0.258)	0.032	0.005
266	22.17	0.10	0.037	(0.257)	0.032	0.005
267	22.25	0.10	0.037	(0.256)	0.032	0.005
268	22.33	0.07	0.024	(0.255)	0.021	0.003
269	22.42	0.07	0.024	(0.254)	0.021	0.003
270	22.50	0.07	0.024	(0.254)	0.021	0.003
271	22.58	0.07	0.024	(0.253)	0.021	0.003
272	22.67	0.07	0.024	(0.252)	0.021	0.003
273	22.75	0.07	0.024	(0.251)	0.021	0.003
274	22.83	0.07	0.024	(0.251)	0.021	0.003
275	22.92	0.07	0.024	(0.250)	0.021	0.003
276	23.00	0.07	0.024	(0.249)	0.021	0.003
277	23.08	0.07	0.024	(0.249)	0.021	0.003
278	23.17	0.07	0.024	(0.248)	0.021	0.003
279	23.25	0.07	0.024	(0.248)	0.021	0.003
280	23.33	0.07	0.024	(0.247)	0.021	0.003
281	23.42	0.07	0.024	(0.247)	0.021	0.003
282	23.50	0.07	0.024	(0.246)	0.021	0.003
283	23.58	0.07	0.024	(0.246)	0.021	0.003
284	23.67	0.07	0.024	(0.246)	0.021	0.003
285	23.75	0.07	0.024	(0.245)	0.021	0.003
286	23.83	0.07	0.024	(0.245)	0.021	0.003
287	23.92	0.07	0.024	(0.245)	0.021	0.003
288	24.00	0.07	0.024	(0.245)	0.021	0.003

(Loss Rate Not Used)

Sum = 100.0 Sum = 4.8

Flood volume = Effective rainfall 0.40(In)
times area 9.7(Ac.) / [(In)/(Ft.)] = 0.3(Ac.Ft)
Total soil loss = 2.65(In)
Total soil loss = 2.152(Ac.Ft)
Total rainfall = 3.05(In)
Flood volume = 14005.1 Cubic Feet
Total soil loss = 93726.8 Cubic Feet

Peak flow rate of this hydrograph = 0.528(CFS)

+++++

24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time (h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0001	0.01	Q				
0+10	0.0002	0.02	Q				
0+15	0.0004	0.03	Q				
0+20	0.0006	0.03	Q				
0+25	0.0009	0.04	Q				
0+30	0.0012	0.04	Q				
0+35	0.0015	0.05	Q				
0+40	0.0019	0.05	Q				
0+45	0.0022	0.05	Q				
0+50	0.0025	0.05	Q				
0+55	0.0029	0.06	Q				
1+ 0	0.0034	0.06	Q				
1+ 5	0.0037	0.06	Q				

Glen Ivy Senior Living ATTACHMENT C – Inflow Hydrographs

1+10	0.0041	0.05	Q				
1+15	0.0044	0.05	Q				
1+20	0.0048	0.05	Q				
1+25	0.0051	0.05	Q				
1+30	0.0054	0.05	Q				
1+35	0.0057	0.05	Q				
1+40	0.0060	0.05	Q				
1+45	0.0064	0.05	Q				
1+50	0.0067	0.05	Q				
1+55	0.0071	0.06	Q				
2+ 0	0.0075	0.06	Q				
2+ 5	0.0080	0.06	Q				
2+10	0.0084	0.06	QV				
2+15	0.0088	0.06	QV				
2+20	0.0092	0.06	QV				
2+25	0.0097	0.06	QV				
2+30	0.0101	0.06	QV				
2+35	0.0106	0.07	QV				
2+40	0.0111	0.07	QV				
2+45	0.0116	0.08	QV				
2+50	0.0121	0.08	QV				
2+55	0.0126	0.08	QV				
3+ 0	0.0132	0.08	QV				
3+ 5	0.0137	0.08	QV				
3+10	0.0143	0.08	QV				
3+15	0.0148	0.08	QV				
3+20	0.0153	0.08	QV				
3+25	0.0159	0.08	QV				
3+30	0.0164	0.08	Q V				
3+35	0.0169	0.08	Q V				
3+40	0.0175	0.08	Q V				
3+45	0.0180	0.08	Q V				
3+50	0.0186	0.08	Q V				
3+55	0.0192	0.09	Q V				
4+ 0	0.0198	0.09	Q V				
4+ 5	0.0204	0.09	Q V				
4+10	0.0211	0.09	Q V				
4+15	0.0217	0.09	Q V				
4+20	0.0224	0.10	Q V				
4+25	0.0231	0.11	Q V				
4+30	0.0239	0.11	Q V				
4+35	0.0246	0.11	Q V				
4+40	0.0254	0.11	Q V				
4+45	0.0261	0.11	Q V				
4+50	0.0269	0.11	Q V				
4+55	0.0277	0.12	Q V				
5+ 0	0.0286	0.12	Q V				
5+ 5	0.0294	0.12	Q V				
5+10	0.0300	0.10	Q V				
5+15	0.0307	0.10	Q V				
5+20	0.0314	0.10	Q V				
5+25	0.0321	0.11	Q V				
5+30	0.0329	0.11	Q V				
5+35	0.0336	0.11	Q V				
5+40	0.0345	0.12	Q V				
5+45	0.0353	0.12	Q V				
5+50	0.0362	0.12	Q V				
5+55	0.0370	0.12	Q V				
6+ 0	0.0379	0.12	Q V				
6+ 5	0.0388	0.13	Q V				
6+10	0.0397	0.14	Q V				
6+15	0.0406	0.14	Q V				
6+20	0.0416	0.14	Q V				
6+25	0.0426	0.14	Q V				
6+30	0.0435	0.14	Q V				
6+35	0.0445	0.14	Q V				
6+40	0.0456	0.15	Q V				
6+45	0.0466	0.15	Q V				
6+50	0.0477	0.15	Q V				
6+55	0.0488	0.16	Q V				
7+ 0	0.0498	0.16	Q V				
7+ 5	0.0509	0.16	Q V				

Glen Ivy Senior Living ATTACHMENT C – Inflow Hydrographs

7+10	0.0520	0.16	Q	V					
7+15	0.0530	0.16	Q	V					
7+20	0.0541	0.16	Q	V					
7+25	0.0553	0.17	Q	V					
7+30	0.0565	0.17	Q	V					
7+35	0.0577	0.17	Q	V					
7+40	0.0589	0.18	Q	V					
7+45	0.0602	0.18	Q	V					
7+50	0.0615	0.19	Q	V					
7+55	0.0629	0.20	Q	V					
8+ 0	0.0642	0.20	Q	V					
8+ 5	0.0657	0.21	Q	V					
8+10	0.0672	0.23	Q	V					
8+15	0.0688	0.23	Q	V					
8+20	0.0704	0.23	Q	V					
8+25	0.0720	0.23	Q	V					
8+30	0.0736	0.23	Q	V					
8+35	0.0753	0.24	Q	V					
8+40	0.0769	0.25	Q	V					
8+45	0.0786	0.25	Q	V					
8+50	0.0804	0.25	IQ	V					
8+55	0.0822	0.26	IQ	V					
9+ 0	0.0840	0.26	IQ	V					
9+ 5	0.0859	0.27	IQ	V					
9+10	0.0878	0.29	IQ	V					
9+15	0.0898	0.29	IQ	V					
9+20	0.0919	0.30	IQ	V					
9+25	0.0940	0.31	IQ	V					
9+30	0.0961	0.31	IQ	V					
9+35	0.0983	0.31	IQ	V					
9+40	0.1005	0.32	IQ	V					
9+45	0.1028	0.32	IQ	V					
9+50	0.1050	0.33	IQ	V					
9+55	0.1074	0.34	IQ	V					
10+ 0	0.1097	0.34	IQ	V					
10+ 5	0.1119	0.31	IQ	V					
10+10	0.1136	0.26	IQ	V					
10+15	0.1153	0.25	Q	V					
10+20	0.1170	0.24	Q	V					
10+25	0.1186	0.24	Q	V					
10+30	0.1202	0.23	Q	V					
10+35	0.1220	0.25	IQ	V					
10+40	0.1240	0.29	IQ	V					
10+45	0.1261	0.30	IQ	V					
10+50	0.1282	0.31	IQ	V					
10+55	0.1303	0.31	IQ	V					
11+ 0	0.1325	0.31	IQ	V					
11+ 5	0.1346	0.31	IQ	V					
11+10	0.1366	0.30	IQ	V					
11+15	0.1387	0.30	IQ	V					
11+20	0.1407	0.30	IQ	V					
11+25	0.1428	0.30	IQ	V					
11+30	0.1448	0.30	IQ	V					
11+35	0.1468	0.29	IQ	V					
11+40	0.1487	0.27	IQ	V					
11+45	0.1505	0.27	IQ	V					
11+50	0.1524	0.27	IQ	V					
11+55	0.1543	0.28	IQ	V					
12+ 0	0.1562	0.28	IQ	V					
12+ 5	0.1583	0.31	IQ	V					
12+10	0.1608	0.36	IQ	V					
12+15	0.1634	0.38	IQ	V					
12+20	0.1661	0.39	IQ	V					
12+25	0.1688	0.40	IQ	V					
12+30	0.1716	0.40	IQ	V					
12+35	0.1744	0.41	IQ	V					
12+40	0.1773	0.43	IQ	V					
12+45	0.1803	0.43	IQ	V					
12+50	0.1833	0.44	IQ	V					
12+55	0.1864	0.45	IQ	V					
13+ 0	0.1895	0.45	IQ	V					
13+ 5	0.1927	0.47	IQ	V					

Glen Ivy Senior Living ATTACHMENT C – Inflow Hydrographs

13+10	0.1962	0.51	Q			V		
13+15	0.1998	0.52	Q			V		
13+20	0.2034	0.52	Q			V		
13+25	0.2071	0.53	Q			V		
13+30	0.2107	0.53	Q			V		
13+35	0.2140	0.48	Q			V		
13+40	0.2168	0.40	Q			V		
13+45	0.2194	0.38	Q			V		
13+50	0.2219	0.37	Q			V		
13+55	0.2244	0.36	Q			V		
14+ 0	0.2269	0.36	Q			V		
14+ 5	0.2295	0.37	Q			V		
14+10	0.2323	0.40	Q			V		
14+15	0.2351	0.41	Q			V		
14+20	0.2380	0.41	Q			V		
14+25	0.2408	0.41	Q			V		
14+30	0.2436	0.41	Q			V		
14+35	0.2463	0.41	Q			V		
14+40	0.2491	0.41	Q			V		
14+45	0.2519	0.40	Q			V		
14+50	0.2547	0.40	Q			V		
14+55	0.2574	0.39	Q			V		
15+ 0	0.2601	0.39	Q			V		
15+ 5	0.2627	0.39	Q			V		
15+10	0.2653	0.38	Q			V		
15+15	0.2679	0.38	Q			V		
15+20	0.2705	0.37	Q			V		
15+25	0.2730	0.36	Q			V		
15+30	0.2755	0.36	Q			V		
15+35	0.2778	0.34	Q			V		
15+40	0.2800	0.31	Q			V		
15+45	0.2820	0.30	Q			V		
15+50	0.2841	0.30	Q			V		
15+55	0.2862	0.30	Q			V		
16+ 0	0.2882	0.30	Q			V		
16+ 5	0.2898	0.23	Q			V		
16+10	0.2906	0.12	Q			V		
16+15	0.2913	0.09	Q			V		
16+20	0.2918	0.08	Q			V		
16+25	0.2923	0.07	Q			V		
16+30	0.2927	0.06	Q			V		
16+35	0.2931	0.06	Q			V		
16+40	0.2935	0.05	Q			V		
16+45	0.2938	0.05	Q			V		
16+50	0.2941	0.05	Q			V		
16+55	0.2944	0.05	Q			V		
17+ 0	0.2948	0.05	Q			V		
17+ 5	0.2951	0.05	Q			V		
17+10	0.2956	0.07	Q			V		
17+15	0.2961	0.07	Q			V		
17+20	0.2967	0.08	Q			V		
17+25	0.2972	0.08	Q			V		
17+30	0.2977	0.08	Q			V		
17+35	0.2983	0.08	Q			V		
17+40	0.2988	0.08	Q			V		
17+45	0.2993	0.08	Q			V		
17+50	0.2998	0.07	Q			V		
17+55	0.3003	0.07	Q			V		
18+ 0	0.3007	0.06	Q			V		
18+ 5	0.3012	0.06	Q			V		
18+10	0.3016	0.06	Q			V		
18+15	0.3020	0.06	Q			V		
18+20	0.3025	0.06	Q			V		
18+25	0.3029	0.06	Q			V		
18+30	0.3033	0.06	Q			V		
18+35	0.3037	0.06	Q			V		
18+40	0.3041	0.05	Q			V		
18+45	0.3044	0.05	Q			V		
18+50	0.3047	0.04	Q			V		
18+55	0.3049	0.04	Q			V		
19+ 0	0.3052	0.03	Q			V		
19+ 5	0.3054	0.04	Q			V		

Glen Ivy Senior Living ATTACHMENT C – Inflow Hydrographs

19+10	0.3057	0.04	Q				V	
19+15	0.3060	0.04	Q				V	
19+20	0.3064	0.05	Q				V	
19+25	0.3068	0.06	Q				V	
19+30	0.3072	0.06	Q				V	
19+35	0.3076	0.06	Q				V	
19+40	0.3079	0.05	Q				V	
19+45	0.3083	0.05	Q				V	
19+50	0.3086	0.04	Q				V	
19+55	0.3088	0.04	Q				V	
20+ 0	0.3090	0.03	Q				V	
20+ 5	0.3093	0.04	Q				V	
20+10	0.3096	0.04	Q				V	
20+15	0.3099	0.04	Q				V	
20+20	0.3102	0.05	Q				V	
20+25	0.3105	0.05	Q				V	
20+30	0.3108	0.05	Q				V	
20+35	0.3112	0.05	Q				V	
20+40	0.3115	0.05	Q				V	
20+45	0.3118	0.05	Q				V	
20+50	0.3121	0.04	Q				V	
20+55	0.3123	0.03	Q				V	
21+ 0	0.3126	0.03	Q				V	
21+ 5	0.3128	0.04	Q				V	
21+10	0.3131	0.04	Q				V	
21+15	0.3134	0.04	Q				V	
21+20	0.3137	0.04	Q				V	
21+25	0.3139	0.03	Q				V	
21+30	0.3142	0.03	Q				V	
21+35	0.3144	0.04	Q				V	
21+40	0.3147	0.04	Q				V	
21+45	0.3150	0.04	Q				V	
21+50	0.3153	0.04	Q				V	
21+55	0.3156	0.03	Q				V	
22+ 0	0.3158	0.03	Q				V	
22+ 5	0.3160	0.04	Q				V	
22+10	0.3163	0.04	Q				V	
22+15	0.3166	0.04	Q				V	
22+20	0.3169	0.04	Q				V	
22+25	0.3172	0.03	Q				V	
22+30	0.3174	0.03	Q				V	
22+35	0.3176	0.03	Q				V	
22+40	0.3178	0.03	Q				V	
22+45	0.3180	0.03	Q				V	
22+50	0.3183	0.03	Q				V	
22+55	0.3185	0.03	Q				V	
23+ 0	0.3187	0.03	Q				V	
23+ 5	0.3189	0.03	Q				V	
23+10	0.3191	0.03	Q				V	
23+15	0.3193	0.03	Q				V	
23+20	0.3195	0.03	Q				V	
23+25	0.3198	0.03	Q				V	
23+30	0.3200	0.03	Q				V	
23+35	0.3202	0.03	Q				V	
23+40	0.3204	0.03	Q				V	
23+45	0.3206	0.03	Q				V	
23+50	0.3208	0.03	Q				V	
23+55	0.3210	0.03	Q				V	
24+ 0	0.3213	0.03	Q				V	
24+ 5	0.3214	0.02	Q				V	
24+10	0.3215	0.01	Q				V	
24+15	0.3215	0.00	Q				V	
24+20	0.3215	0.00	Q				V	
24+25	0.3215	0.00	Q				V	
24+30	0.3215	0.00	Q				V	

Glen Ivy Senior Living

ATTACHMENT C – Inflow Hydrographs

U n i t H y d r o g r a p h A n a l y s i s

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Study date 08/12/20 File: sh5pr15.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 4029

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Glen Ivy Senior Living
Inflow Hydrograph Calculations
Proposed Condition
5-year 1-hour storm

Drainage Area = 9.73(Ac.) = 0.015 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 9.73(Ac.) = 0.015 Sq. Mi.
Length along longest watercourse = 1323.00(Ft.)
Length along longest watercourse measured to centroid = 593.00(Ft.)
Length along longest watercourse = 0.251 Mi.
Length along longest watercourse measured to centroid = 0.112 Mi.
Difference in elevation = 20.80(Ft.)
Slope along watercourse = 83.0113 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.040 Hr.
Lag time = 2.40 Min.
25% of lag time = 0.60 Min.
40% of lag time = 0.96 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.) [1]	Rainfall(In) [2]	Weighting[1*2]
9.73	0.51	4.98

100 YEAR Area rainfall data:

Area(Ac.) [1]	Rainfall(In) [2]	Weighting[1*2]
9.73	1.43	13.91

STORM EVENT (YEAR) = 5.00
Area Averaged 2-Year Rainfall = 0.512(In)
Area Averaged 100-Year Rainfall = 1.430(In)

Point rain (area averaged) = 0.727(In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 0.727(In)

Sub-Area Data:
Area(Ac.) Runoff Index Impervious %
9.730 65.00 0.900

Glen Ivy Senior Living ATTACHMENT C – Inflow Hydrographs

Total Area Entered = 9.73 (Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
65.0	45.0	0.621	0.900	0.118	1.000	0.118
						Sum (F) = 0.118

Area averaged mean soil loss (F) (In/Hr) = 0.118

Minimum soil loss rate ((In/Hr)) = 0.059

(for 24 hour storm duration)

Soil low loss rate (decimal) = 0.180

Slope of intensity-duration curve for a 1 hour storm = 0.4800

U n i t H y d r o g r a p h VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	208.162	44.777
2	0.167	416.323	42.802
3	0.250	624.485	8.471
4	0.333	832.646	3.950
		Sum = 100.000	Sum = 9.806

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate (In./Hr)		Effective (In/Hr)
			Max	Low	
1	0.08	4.40	(0.118)	0.069	0.315
2	0.17	4.50	(0.118)	0.071	0.322
3	0.25	5.40	(0.118)	0.085	0.386
4	0.33	5.40	(0.118)	0.085	0.386
5	0.42	5.70	(0.118)	0.090	0.408
6	0.50	6.40	(0.118)	0.100	0.458
7	0.58	7.90	0.118	(0.124)	0.571
8	0.67	9.10	0.794	(0.143)	0.676
9	0.75	12.80	1.117	(0.201)	0.999
10	0.83	25.60	2.233	(0.402)	2.115
11	0.92	7.90	0.689	(0.124)	0.571
12	1.00	4.90	0.427	(0.118)	0.351

Sum = 100.0 (Loss Rate Not Used) Sum = 7.6

Flood volume = Effective rainfall 0.63 (In) times area 9.7 (Ac.) / [(In)/(Ft.)] = 0.5 (Ac.Ft)

Total soil loss = 0.10 (In)
 Total soil loss = 0.079 (Ac.Ft)
 Total rainfall = 0.73 (In)
 Flood volume = 22243.4 Cubic Feet
 Total soil loss = 3432.6 Cubic Feet

Peak flow rate of this hydrograph = 14.269 (CFS)

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1 - H O U R S T O R M R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time (h+m)	Volume Ac.Ft	Q(CFS)	0	5.0	10.0	15.0	20.0
0+ 5	0.0095	1.38	V Q				
0+10	0.0284	2.74	V Q				
0+15	0.0512	3.31	V Q				

Glen Ivy Senior Living ATTACHMENT C – Inflow Hydrographs

0+20	0.0767	3.71		vQ				
0+25	0.1033	3.86		Qv				
0+30	0.1322	4.19		Q	v			
0+35	0.1661	4.92		Q	v			
0+40	0.2067	5.91		Q	v			
0+45	0.2610	7.88			Q	v		
0+50	0.3592	14.27				Q	Q	
0+55	0.4452	12.48					v	
1+ 0	0.4871	6.08			Q			v
1+ 5	0.5062	2.77		Q				v
1+10	0.5097	0.51		Q				v
1+15	0.5106	0.14		Q				v

Glen Ivy Senior Living

ATTACHMENT C – Inflow Hydrographs

U n i t H y d r o g r a p h A n a l y s i s

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Study date 08/12/20 File: sh5pr35.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 4029

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Glen Ivy Senior Living
Inflow Hydrograph Calculations
Proposed Condition
5-year 3-hour storm

Drainage Area = 9.73(Ac.) = 0.015 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 9.73(Ac.) = 0.015 Sq. Mi.
Length along longest watercourse = 1323.00(Ft.)
Length along longest watercourse measured to centroid = 593.00(Ft.)
Length along longest watercourse = 0.251 Mi.
Length along longest watercourse measured to centroid = 0.112 Mi.
Difference in elevation = 20.80(Ft.)
Slope along watercourse = 83.0113 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.040 Hr.
Lag time = 2.40 Min.
25% of lag time = 0.60 Min.
40% of lag time = 0.96 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.) [1]	Rainfall(In) [2]	Weighting[1*2]
9.73	0.88	8.60

100 YEAR Area rainfall data:

Area(Ac.) [1]	Rainfall(In) [2]	Weighting[1*2]
9.73	2.28	22.18

STORM EVENT (YEAR) = 5.00
Area Averaged 2-Year Rainfall = 0.884(In)
Area Averaged 100-Year Rainfall = 2.280(In)

Point rain (area averaged) = 1.211(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 1.211(In)

Sub-Area Data:
Area(Ac.) Runoff Index Impervious %
9.730 65.00 0.900

Glen Ivy Senior Living

ATTACHMENT C – Inflow Hydrographs

Total Area Entered = 9.73 (Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
65.0	45.0	0.621	0.900	0.118	1.000	0.118
						Sum (F) = 0.118

Area averaged mean soil loss (F) (In/Hr) = 0.118
 Minimum soil loss rate ((In/Hr)) = 0.059
 (for 24 hour storm duration)
 Soil low loss rate (decimal) = 0.180

 U n i t H y d r o g r a p h
 VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	208.162	44.777
2	0.167	416.323	42.802
3	0.250	624.485	8.471
4	0.333	832.646	3.950
Sum = 100.000			Sum= 9.806

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
			Max	Low	
1	0.08	1.30	(0.118)	0.034	0.155
2	0.17	1.30	(0.118)	0.034	0.155
3	0.25	1.10	(0.118)	0.029	0.131
4	0.33	1.50	(0.118)	0.039	0.179
5	0.42	1.50	(0.118)	0.039	0.179
6	0.50	1.80	(0.118)	0.047	0.214
7	0.58	1.50	(0.118)	0.039	0.179
8	0.67	1.80	(0.118)	0.047	0.214
9	0.75	1.80	(0.118)	0.047	0.214
10	0.83	1.50	(0.118)	0.039	0.179
11	0.92	1.60	(0.118)	0.042	0.191
12	1.00	1.80	(0.118)	0.047	0.214
13	1.08	2.20	(0.118)	0.058	0.262
14	1.17	2.20	(0.118)	0.058	0.262
15	1.25	2.20	(0.118)	0.058	0.262
16	1.33	2.00	(0.118)	0.052	0.238
17	1.42	2.60	(0.118)	0.068	0.310
18	1.50	2.70	(0.118)	0.071	0.322
19	1.58	2.40	(0.118)	0.063	0.286
20	1.67	2.70	(0.118)	0.071	0.322
21	1.75	3.30	(0.118)	0.086	0.393
22	1.83	3.10	(0.118)	0.081	0.369
23	1.92	2.90	(0.118)	0.076	0.346
24	2.00	3.00	(0.118)	0.078	0.357
25	2.08	3.10	(0.118)	0.081	0.369
26	2.17	4.20	(0.118)	0.110	0.500
27	2.25	5.00	0.727	(0.131)	0.609
28	2.33	3.50	(0.118)	0.092	0.417
29	2.42	6.80	0.988	(0.178)	0.870
30	2.50	7.30	1.061	(0.191)	0.943
31	2.58	8.20	1.192	(0.214)	1.074
32	2.67	5.90	0.857	(0.154)	0.739
33	2.75	2.00	(0.118)	0.052	0.238
34	2.83	1.80	(0.118)	0.047	0.214
35	2.92	1.80	(0.118)	0.047	0.214
36	3.00	0.60	(0.118)	0.016	0.071
(Loss Rate Not Used)					
Sum =	100.0			Sum =	12.2

Glen Ivy Senior Living

ATTACHMENT C – Inflow Hydrographs

Flood volume = Effective rainfall 1.02(In)
 times area 9.7(Ac.)/[(In)/(Ft.)] = 0.8(Ac.Ft)
 Total soil loss = 0.19(In)
 Total soil loss = 0.158(Ac.Ft)
 Total rainfall = 1.21(In)
 Flood volume = 35890.7 Cubic Feet
 Total soil loss = 6879.1 Cubic Feet

Peak flow rate of this hydrograph = 9.560 (CFS)

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 3 - H O U R S T O R M
 R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0047	0.68	V Q				
0+10	0.0139	1.33	V Q				
0+15	0.0232	1.36	V Q				
0+20	0.0337	1.52	V Q				
0+25	0.0454	1.70	V Q				
0+30	0.0585	1.89	V Q				
0+35	0.0716	1.90	V Q				
0+40	0.0849	1.94	V Q				
0+45	0.0992	2.07	V Q				
0+50	0.1125	1.93	V Q				
0+55	0.1253	1.85	VQ				
1+ 0	0.1389	1.97	VQ				
1+ 5	0.1546	2.28	V Q				
1+10	0.1718	2.50	V Q				
1+15	0.1894	2.55	VQ				
1+20	0.2064	2.47	QV				
1+25	0.2249	2.68	Q				
1+30	0.2456	3.01	VQ				
1+35	0.2660	2.96	QV				
1+40	0.2867	3.00	QV				
1+45	0.3104	3.44	Q V				
1+50	0.3355	3.65	Q V				
1+55	0.3598	3.52	Q V				
2+ 0	0.3837	3.48	Q V				
2+ 5	0.4082	3.55	Q V				
2+10	0.4370	4.18	Q V				
2+15	0.4730	5.22	Q V				
2+20	0.5070	4.95	Q V				
2+25	0.5502	6.27	QV				
2+30	0.6079	8.38	V Q				
2+35	0.6738	9.56	V Q				
2+40	0.7349	8.88	Q				
2+45	0.7722	5.41	Q				
2+50	0.7926	2.97	Q				
2+55	0.8087	2.33	Q				
3+ 0	0.8189	1.49	Q				
3+ 5	0.8228	0.56	Q				
3+10	0.8237	0.14	Q				
3+15	0.8239	0.03	Q				

Glen Ivy Senior Living

ATTACHMENT C – Inflow Hydrographs

U n i t H y d r o g r a p h A n a l y s i s

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Study date 08/12/20 File: sh5pr65.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 4029

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Glen Ivy Senior Living
Inflow Hydrograph Calculations
Proposed Condition
5-year 6-hour storm

Drainage Area = 9.73(Ac.) = 0.015 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 9.73(Ac.) = 0.015 Sq. Mi.
Length along longest watercourse = 1323.00(Ft.)
Length along longest watercourse measured to centroid = 593.00(Ft.)
Length along longest watercourse = 0.251 Mi.
Length along longest watercourse measured to centroid = 0.112 Mi.
Difference in elevation = 20.80(Ft.)
Slope along watercourse = 83.0113 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.040 Hr.
Lag time = 2.40 Min.
25% of lag time = 0.60 Min.
40% of lag time = 0.96 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.) [1]	Rainfall(In) [2]	Weighting[1*2]
9.73	1.23	11.97

100 YEAR Area rainfall data:

Area(Ac.) [1]	Rainfall(In) [2]	Weighting[1*2]
9.73	3.12	30.36

STORM EVENT (YEAR) = 5.00
Area Averaged 2-Year Rainfall = 1.230(In)
Area Averaged 100-Year Rainfall = 3.120(In)

Point rain (area averaged) = 1.673(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 1.673(In)

Sub-Area Data:
Area(Ac.) Runoff Index Impervious %
9.730 65.00 0.900

Glen Ivy Senior Living

ATTACHMENT C – Inflow Hydrographs

Total Area Entered = 9.73 (Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
65.0	45.0	0.621	0.900	0.118	1.000	0.118
						Sum (F) = 0.118

Area averaged mean soil loss (F) (In/Hr) = 0.118
 Minimum soil loss rate ((In/Hr)) = 0.059
 (for 24 hour storm duration)
 Soil low loss rate (decimal) = 0.180

 U n i t H y d r o g r a p h
 VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	208.162	44.777
2	0.167	416.323	42.802
3	0.250	624.485	8.471
4	0.333	832.646	3.950
Sum = 100.000			Sum= 9.806

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
			Max	Low	
1	0.08	0.50	(0.118)	0.018	0.082
2	0.17	0.60	(0.118)	0.022	0.099
3	0.25	0.60	(0.118)	0.022	0.099
4	0.33	0.60	(0.118)	0.022	0.099
5	0.42	0.60	(0.118)	0.022	0.099
6	0.50	0.70	(0.118)	0.025	0.115
7	0.58	0.70	(0.118)	0.025	0.115
8	0.67	0.70	(0.118)	0.025	0.115
9	0.75	0.70	(0.118)	0.025	0.115
10	0.83	0.70	(0.118)	0.025	0.115
11	0.92	0.70	(0.118)	0.025	0.115
12	1.00	0.80	(0.118)	0.029	0.132
13	1.08	0.80	(0.118)	0.029	0.132
14	1.17	0.80	(0.118)	0.029	0.132
15	1.25	0.80	(0.118)	0.029	0.132
16	1.33	0.80	(0.118)	0.029	0.132
17	1.42	0.80	(0.118)	0.029	0.132
18	1.50	0.80	(0.118)	0.029	0.132
19	1.58	0.80	(0.118)	0.029	0.132
20	1.67	0.80	(0.118)	0.029	0.132
21	1.75	0.80	(0.118)	0.029	0.132
22	1.83	0.80	(0.118)	0.029	0.132
23	1.92	0.80	(0.118)	0.029	0.132
24	2.00	0.90	(0.118)	0.033	0.148
25	2.08	0.80	(0.118)	0.029	0.132
26	2.17	0.90	(0.118)	0.033	0.148
27	2.25	0.90	(0.118)	0.033	0.148
28	2.33	0.90	(0.118)	0.033	0.148
29	2.42	0.90	(0.118)	0.033	0.148
30	2.50	0.90	(0.118)	0.033	0.148
31	2.58	0.90	(0.118)	0.033	0.148
32	2.67	0.90	(0.118)	0.033	0.148
33	2.75	1.00	(0.118)	0.036	0.165
34	2.83	1.00	(0.118)	0.036	0.165
35	2.92	1.00	(0.118)	0.036	0.165
36	3.00	1.00	(0.118)	0.036	0.165
37	3.08	1.00	(0.118)	0.036	0.165
38	3.17	1.10	(0.118)	0.040	0.181

Glen Ivy Senior Living ATTACHMENT C – Inflow Hydrographs

39	3.25	1.10	0.221	(0.118)	0.040	0.181
40	3.33	1.10	0.221	(0.118)	0.040	0.181
41	3.42	1.20	0.241	(0.118)	0.043	0.198
42	3.50	1.30	0.261	(0.118)	0.047	0.214
43	3.58	1.40	0.281	(0.118)	0.051	0.230
44	3.67	1.40	0.281	(0.118)	0.051	0.230
45	3.75	1.50	0.301	(0.118)	0.054	0.247
46	3.83	1.50	0.301	(0.118)	0.054	0.247
47	3.92	1.60	0.321	(0.118)	0.058	0.263
48	4.00	1.60	0.321	(0.118)	0.058	0.263
49	4.08	1.70	0.341	(0.118)	0.061	0.280
50	4.17	1.80	0.361	(0.118)	0.065	0.296
51	4.25	1.90	0.381	(0.118)	0.069	0.313
52	4.33	2.00	0.401	(0.118)	0.072	0.329
53	4.42	2.10	0.422	(0.118)	0.076	0.346
54	4.50	2.10	0.422	(0.118)	0.076	0.346
55	4.58	2.20	0.442	(0.118)	0.079	0.362
56	4.67	2.30	0.462	(0.118)	0.083	0.379
57	4.75	2.40	0.482	(0.118)	0.087	0.395
58	4.83	2.40	0.482	(0.118)	0.087	0.395
59	4.92	2.50	0.502	(0.118)	0.090	0.411
60	5.00	2.60	0.522	(0.118)	0.094	0.428
61	5.08	3.10	0.622	(0.118)	0.112	0.510
62	5.17	3.60	0.723	0.118	(0.130)	0.605
63	5.25	3.90	0.783	0.118	(0.141)	0.665
64	5.33	4.20	0.843	0.118	(0.152)	0.725
65	5.42	4.70	0.943	0.118	(0.170)	0.825
66	5.50	5.60	1.124	0.118	(0.202)	1.006
67	5.58	1.90	0.381	(0.118)	0.069	0.313
68	5.67	0.90	0.181	(0.118)	0.033	0.148
69	5.75	0.60	0.120	(0.118)	0.022	0.099
70	5.83	0.50	0.100	(0.118)	0.018	0.082
71	5.92	0.30	0.060	(0.118)	0.011	0.049
72	6.00	0.20	0.040	(0.118)	0.007	0.033

(Loss Rate Not Used)

Sum = 100.0 Sum = 16.7

Flood volume = Effective rainfall 1.39(In)
times area 9.7(Ac.) / [(In)/(Ft.)] = 1.1(Ac.Ft)
Total soil loss = 0.28(In)
Total soil loss = 0.230(Ac.Ft)
Total rainfall = 1.67(In)
Flood volume = 49046.2 Cubic Feet
Total soil loss = 10030.8 Cubic Feet

Peak flow rate of this hydrograph = 8.746(CFS)

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6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0025	0.36	VQ				
0+10	0.0079	0.78	V Q				
0+15	0.0142	0.92	V Q				
0+20	0.0208	0.96	V Q				
0+25	0.0275	0.97	V Q				
0+30	0.0346	1.04	V Q				
0+35	0.0423	1.11	V Q				
0+40	0.0500	1.12	V Q				
0+45	0.0578	1.13	V Q				
0+50	0.0656	1.13	V Q				
0+55	0.0734	1.13	V Q				
1+ 0	0.0817	1.20	V Q				
1+ 5	0.0904	1.27	V Q				
1+10	0.0993	1.29	V Q				
1+15	0.1082	1.29	V Q				
1+20	0.1171	1.29	VQ				
1+25	0.1260	1.29	VQ				

Glen Ivy Senior Living

ATTACHMENT C – Inflow Hydrographs

1+30	0.1349	1.29	VQ				
1+35	0.1438	1.29	Q				
1+40	0.1527	1.29	Q				
1+45	0.1616	1.29	Q				
1+50	0.1705	1.29	QV				
1+55	0.1794	1.29	QV				
2+ 0	0.1887	1.36	QV				
2+ 5	0.1981	1.36	Q V				
2+10	0.2076	1.38	Q V				
2+15	0.2175	1.44	Q V				
2+20	0.2275	1.45	Q V				
2+25	0.2375	1.45	Q V				
2+30	0.2475	1.45	Q V				
2+35	0.2575	1.45	Q V				
2+40	0.2675	1.45	Q V				
2+45	0.2780	1.53	Q V				
2+50	0.2890	1.59	Q V				
2+55	0.3001	1.61	Q V				
3+ 0	0.3112	1.61	Q V				
3+ 5	0.3223	1.61	Q V				
3+10	0.3340	1.69	Q V				
3+15	0.3460	1.76	Q V				
3+20	0.3582	1.77	Q V				
3+25	0.3710	1.85	Q V				
3+30	0.3847	1.99	Q V				
3+35	0.3994	2.15	Q V				
3+40	0.4148	2.23	Q V				
3+45	0.4309	2.33	Q V				
3+50	0.4474	2.40	Q V				
3+55	0.4645	2.49	Q V				
4+ 0	0.4822	2.56	Q V				
4+ 5	0.5004	2.65	Q V				
4+10	0.5197	2.80	Q V				
4+15	0.5400	2.95	Q V				
4+20	0.5615	3.11	Q V				
4+25	0.5840	3.28	Q V				
4+30	0.6072	3.36	Q V				
4+35	0.6310	3.46	Q V				
4+40	0.6558	3.60	Q V				
4+45	0.6817	3.76	Q V				
4+50	0.7083	3.85	Q V				
4+55	0.7354	3.94	Q V				
5+ 0	0.7636	4.09	Q V				
5+ 5	0.7948	4.53	Q V				
5+10	0.8314	5.31	Q V				
5+15	0.8730	6.05	Q V				
5+20	0.9190	6.68	Q V				
5+25	0.9704	7.46	Q V				
5+30	1.0306	8.75	Q V				
5+35	1.0758	6.57	Q V				
5+40	1.0973	3.12	Q				V
5+45	1.1091	1.71	Q				V
5+50	1.1161	1.02	Q				V
5+55	1.1209	0.70	Q				V
6+ 0	1.1241	0.46	Q				V
6+ 5	1.1255	0.21	Q				V
6+10	1.1259	0.05	Q				V
6+15	1.1259	0.01	Q				V

Glen Ivy Senior Living

ATTACHMENT C – Inflow Hydrographs

U n i t H y d r o g r a p h A n a l y s i s

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Study date 08/12/20 File: sh5pr245.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 4029

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Glen Ivy Senior Living
Inflow Hydrograph Calculations
Proposed Condition
5-year 24-hour storm

Drainage Area = 9.73(Ac.) = 0.015 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 9.73(Ac.) = 0.015 Sq. Mi.
Length along longest watercourse = 1323.00(Ft.)
Length along longest watercourse measured to centroid = 593.00(Ft.)
Length along longest watercourse = 0.251 Mi.
Length along longest watercourse measured to centroid = 0.112 Mi.
Difference in elevation = 20.80(Ft.)
Slope along watercourse = 83.0113 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.040 Hr.
Lag time = 2.40 Min.
25% of lag time = 0.60 Min.
40% of lag time = 0.96 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.) [1]	Rainfall(In) [2]	Weighting[1*2]
9.73	2.20	21.41

100 YEAR Area rainfall data:

Area(Ac.) [1]	Rainfall(In) [2]	Weighting[1*2]
9.73	5.83	56.73

STORM EVENT (YEAR) = 5.00
Area Averaged 2-Year Rainfall = 2.200(In)
Area Averaged 100-Year Rainfall = 5.830(In)

Point rain (area averaged) = 3.050(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 3.050(In)

Sub-Area Data:
Area(Ac.) Runoff Index Impervious %
9.730 65.00 0.900

Glen Ivy Senior Living

ATTACHMENT C – Inflow Hydrographs

Total Area Entered = 9.73 (Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-1	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
65.0	45.0	0.621	0.900	0.118	1.000	0.118
						Sum (F) = 0.118

Area averaged mean soil loss (F) (In/Hr) = 0.118
 Minimum soil loss rate ((In/Hr)) = 0.059
 (for 24 hour storm duration)
 Soil low loss rate (decimal) = 0.180

 U n i t H y d r o g r a p h
 VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	208.162	44.777
2	0.167	416.323	42.802
3	0.250	624.485	8.471
4	0.333	832.646	3.950
Sum = 100.000			Sum= 9.806

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
			Max	Low	
1	0.08	0.07	(0.209)	0.004	0.020
2	0.17	0.07	(0.208)	0.004	0.020
3	0.25	0.07	(0.208)	0.004	0.020
4	0.33	0.10	(0.207)	0.007	0.030
5	0.42	0.10	(0.206)	0.007	0.030
6	0.50	0.10	(0.205)	0.007	0.030
7	0.58	0.10	(0.204)	0.007	0.030
8	0.67	0.10	(0.204)	0.007	0.030
9	0.75	0.10	(0.203)	0.007	0.030
10	0.83	0.13	(0.202)	0.009	0.040
11	0.92	0.13	(0.201)	0.009	0.040
12	1.00	0.13	(0.200)	0.009	0.040
13	1.08	0.10	(0.200)	0.007	0.030
14	1.17	0.10	(0.199)	0.007	0.030
15	1.25	0.10	(0.198)	0.007	0.030
16	1.33	0.10	(0.197)	0.007	0.030
17	1.42	0.10	(0.196)	0.007	0.030
18	1.50	0.10	(0.196)	0.007	0.030
19	1.58	0.10	(0.195)	0.007	0.030
20	1.67	0.10	(0.194)	0.007	0.030
21	1.75	0.10	(0.193)	0.007	0.030
22	1.83	0.13	(0.193)	0.009	0.040
23	1.92	0.13	(0.192)	0.009	0.040
24	2.00	0.13	(0.191)	0.009	0.040
25	2.08	0.13	(0.190)	0.009	0.040
26	2.17	0.13	(0.189)	0.009	0.040
27	2.25	0.13	(0.189)	0.009	0.040
28	2.33	0.13	(0.188)	0.009	0.040
29	2.42	0.13	(0.187)	0.009	0.040
30	2.50	0.13	(0.186)	0.009	0.040
31	2.58	0.17	(0.186)	0.011	0.050
32	2.67	0.17	(0.185)	0.011	0.050
33	2.75	0.17	(0.184)	0.011	0.050
34	2.83	0.17	(0.183)	0.011	0.050
35	2.92	0.17	(0.183)	0.011	0.050
36	3.00	0.17	(0.182)	0.011	0.050
37	3.08	0.17	(0.181)	0.011	0.050
38	3.17	0.17	(0.180)	0.011	0.050

Glen Ivy Senior Living ATTACHMENT C – Inflow Hydrographs

39	3.25	0.17	0.061	(0.180)	0.011	0.050
40	3.33	0.17	0.061	(0.179)	0.011	0.050
41	3.42	0.17	0.061	(0.178)	0.011	0.050
42	3.50	0.17	0.061	(0.177)	0.011	0.050
43	3.58	0.17	0.061	(0.177)	0.011	0.050
44	3.67	0.17	0.061	(0.176)	0.011	0.050
45	3.75	0.17	0.061	(0.175)	0.011	0.050
46	3.83	0.20	0.073	(0.174)	0.013	0.060
47	3.92	0.20	0.073	(0.174)	0.013	0.060
48	4.00	0.20	0.073	(0.173)	0.013	0.060
49	4.08	0.20	0.073	(0.172)	0.013	0.060
50	4.17	0.20	0.073	(0.171)	0.013	0.060
51	4.25	0.20	0.073	(0.171)	0.013	0.060
52	4.33	0.23	0.085	(0.170)	0.015	0.070
53	4.42	0.23	0.085	(0.169)	0.015	0.070
54	4.50	0.23	0.085	(0.168)	0.015	0.070
55	4.58	0.23	0.085	(0.168)	0.015	0.070
56	4.67	0.23	0.085	(0.167)	0.015	0.070
57	4.75	0.23	0.085	(0.166)	0.015	0.070
58	4.83	0.27	0.098	(0.166)	0.018	0.080
59	4.92	0.27	0.098	(0.165)	0.018	0.080
60	5.00	0.27	0.098	(0.164)	0.018	0.080
61	5.08	0.20	0.073	(0.163)	0.013	0.060
62	5.17	0.20	0.073	(0.163)	0.013	0.060
63	5.25	0.20	0.073	(0.162)	0.013	0.060
64	5.33	0.23	0.085	(0.161)	0.015	0.070
65	5.42	0.23	0.085	(0.161)	0.015	0.070
66	5.50	0.23	0.085	(0.160)	0.015	0.070
67	5.58	0.27	0.098	(0.159)	0.018	0.080
68	5.67	0.27	0.098	(0.159)	0.018	0.080
69	5.75	0.27	0.098	(0.158)	0.018	0.080
70	5.83	0.27	0.098	(0.157)	0.018	0.080
71	5.92	0.27	0.098	(0.156)	0.018	0.080
72	6.00	0.27	0.098	(0.156)	0.018	0.080
73	6.08	0.30	0.110	(0.155)	0.020	0.090
74	6.17	0.30	0.110	(0.154)	0.020	0.090
75	6.25	0.30	0.110	(0.154)	0.020	0.090
76	6.33	0.30	0.110	(0.153)	0.020	0.090
77	6.42	0.30	0.110	(0.152)	0.020	0.090
78	6.50	0.30	0.110	(0.152)	0.020	0.090
79	6.58	0.33	0.122	(0.151)	0.022	0.100
80	6.67	0.33	0.122	(0.150)	0.022	0.100
81	6.75	0.33	0.122	(0.150)	0.022	0.100
82	6.83	0.33	0.122	(0.149)	0.022	0.100
83	6.92	0.33	0.122	(0.148)	0.022	0.100
84	7.00	0.33	0.122	(0.148)	0.022	0.100
85	7.08	0.33	0.122	(0.147)	0.022	0.100
86	7.17	0.33	0.122	(0.146)	0.022	0.100
87	7.25	0.33	0.122	(0.146)	0.022	0.100
88	7.33	0.37	0.134	(0.145)	0.024	0.110
89	7.42	0.37	0.134	(0.144)	0.024	0.110
90	7.50	0.37	0.134	(0.144)	0.024	0.110
91	7.58	0.40	0.146	(0.143)	0.026	0.120
92	7.67	0.40	0.146	(0.142)	0.026	0.120
93	7.75	0.40	0.146	(0.142)	0.026	0.120
94	7.83	0.43	0.159	(0.141)	0.029	0.130
95	7.92	0.43	0.159	(0.140)	0.029	0.130
96	8.00	0.43	0.159	(0.140)	0.029	0.130
97	8.08	0.50	0.183	(0.139)	0.033	0.150
98	8.17	0.50	0.183	(0.138)	0.033	0.150
99	8.25	0.50	0.183	(0.138)	0.033	0.150
100	8.33	0.50	0.183	(0.137)	0.033	0.150
101	8.42	0.50	0.183	(0.136)	0.033	0.150
102	8.50	0.50	0.183	(0.136)	0.033	0.150
103	8.58	0.53	0.195	(0.135)	0.035	0.160
104	8.67	0.53	0.195	(0.135)	0.035	0.160
105	8.75	0.53	0.195	(0.134)	0.035	0.160
106	8.83	0.57	0.207	(0.133)	0.037	0.170
107	8.92	0.57	0.207	(0.133)	0.037	0.170
108	9.00	0.57	0.207	(0.132)	0.037	0.170
109	9.08	0.63	0.232	(0.131)	0.042	0.190
110	9.17	0.63	0.232	(0.131)	0.042	0.190

Glen Ivy Senior Living ATTACHMENT C – Inflow Hydrographs

111	9.25	0.63	0.232	(0.130)	0.042	0.190
112	9.33	0.67	0.244	(0.129)	0.044	0.200
113	9.42	0.67	0.244	(0.129)	0.044	0.200
114	9.50	0.67	0.244	(0.128)	0.044	0.200
115	9.58	0.70	0.256	(0.128)	0.046	0.210
116	9.67	0.70	0.256	(0.127)	0.046	0.210
117	9.75	0.70	0.256	(0.126)	0.046	0.210
118	9.83	0.73	0.268	(0.126)	0.048	0.220
119	9.92	0.73	0.268	(0.125)	0.048	0.220
120	10.00	0.73	0.268	(0.125)	0.048	0.220
121	10.08	0.50	0.183	(0.124)	0.033	0.150
122	10.17	0.50	0.183	(0.123)	0.033	0.150
123	10.25	0.50	0.183	(0.123)	0.033	0.150
124	10.33	0.50	0.183	(0.122)	0.033	0.150
125	10.42	0.50	0.183	(0.122)	0.033	0.150
126	10.50	0.50	0.183	(0.121)	0.033	0.150
127	10.58	0.67	0.244	(0.120)	0.044	0.200
128	10.67	0.67	0.244	(0.120)	0.044	0.200
129	10.75	0.67	0.244	(0.119)	0.044	0.200
130	10.83	0.67	0.244	(0.119)	0.044	0.200
131	10.92	0.67	0.244	(0.118)	0.044	0.200
132	11.00	0.67	0.244	(0.117)	0.044	0.200
133	11.08	0.63	0.232	(0.117)	0.042	0.190
134	11.17	0.63	0.232	(0.116)	0.042	0.190
135	11.25	0.63	0.232	(0.116)	0.042	0.190
136	11.33	0.63	0.232	(0.115)	0.042	0.190
137	11.42	0.63	0.232	(0.115)	0.042	0.190
138	11.50	0.63	0.232	(0.114)	0.042	0.190
139	11.58	0.57	0.207	(0.113)	0.037	0.170
140	11.67	0.57	0.207	(0.113)	0.037	0.170
141	11.75	0.57	0.207	(0.112)	0.037	0.170
142	11.83	0.60	0.220	(0.112)	0.040	0.180
143	11.92	0.60	0.220	(0.111)	0.040	0.180
144	12.00	0.60	0.220	(0.111)	0.040	0.180
145	12.08	0.83	0.305	(0.110)	0.055	0.250
146	12.17	0.83	0.305	(0.110)	0.055	0.250
147	12.25	0.83	0.305	(0.109)	0.055	0.250
148	12.33	0.87	0.317	(0.108)	0.057	0.260
149	12.42	0.87	0.317	(0.108)	0.057	0.260
150	12.50	0.87	0.317	(0.107)	0.057	0.260
151	12.58	0.93	0.342	(0.107)	0.061	0.280
152	12.67	0.93	0.342	(0.106)	0.061	0.280
153	12.75	0.93	0.342	(0.106)	0.061	0.280
154	12.83	0.97	0.354	(0.105)	0.064	0.290
155	12.92	0.97	0.354	(0.105)	0.064	0.290
156	13.00	0.97	0.354	(0.104)	0.064	0.290
157	13.08	1.13	0.415	(0.104)	0.075	0.340
158	13.17	1.13	0.415	(0.103)	0.075	0.340
159	13.25	1.13	0.415	(0.103)	0.075	0.340
160	13.33	1.13	0.415	(0.102)	0.075	0.340
161	13.42	1.13	0.415	(0.102)	0.075	0.340
162	13.50	1.13	0.415	(0.101)	0.075	0.340
163	13.58	0.77	0.281	(0.101)	0.051	0.230
164	13.67	0.77	0.281	(0.100)	0.051	0.230
165	13.75	0.77	0.281	(0.100)	0.051	0.230
166	13.83	0.77	0.281	(0.099)	0.051	0.230
167	13.92	0.77	0.281	(0.099)	0.051	0.230
168	14.00	0.77	0.281	(0.098)	0.051	0.230
169	14.08	0.90	0.329	(0.098)	0.059	0.270
170	14.17	0.90	0.329	(0.097)	0.059	0.270
171	14.25	0.90	0.329	(0.097)	0.059	0.270
172	14.33	0.87	0.317	(0.096)	0.057	0.260
173	14.42	0.87	0.317	(0.096)	0.057	0.260
174	14.50	0.87	0.317	(0.095)	0.057	0.260
175	14.58	0.87	0.317	(0.095)	0.057	0.260
176	14.67	0.87	0.317	(0.094)	0.057	0.260
177	14.75	0.87	0.317	(0.094)	0.057	0.260
178	14.83	0.83	0.305	(0.093)	0.055	0.250
179	14.92	0.83	0.305	(0.093)	0.055	0.250
180	15.00	0.83	0.305	(0.092)	0.055	0.250
181	15.08	0.80	0.293	(0.092)	0.053	0.240
182	15.17	0.80	0.293	(0.091)	0.053	0.240

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183	15.25	0.80	0.293	(0.091)	0.053	0.240
184	15.33	0.77	0.281	(0.090)	0.051	0.230
185	15.42	0.77	0.281	(0.090)	0.051	0.230
186	15.50	0.77	0.281	(0.089)	0.051	0.230
187	15.58	0.63	0.232	(0.089)	0.042	0.190
188	15.67	0.63	0.232	(0.088)	0.042	0.190
189	15.75	0.63	0.232	(0.088)	0.042	0.190
190	15.83	0.63	0.232	(0.088)	0.042	0.190
191	15.92	0.63	0.232	(0.087)	0.042	0.190
192	16.00	0.63	0.232	(0.087)	0.042	0.190
193	16.08	0.13	0.049	(0.086)	0.009	0.040
194	16.17	0.13	0.049	(0.086)	0.009	0.040
195	16.25	0.13	0.049	(0.085)	0.009	0.040
196	16.33	0.13	0.049	(0.085)	0.009	0.040
197	16.42	0.13	0.049	(0.084)	0.009	0.040
198	16.50	0.13	0.049	(0.084)	0.009	0.040
199	16.58	0.10	0.037	(0.084)	0.007	0.030
200	16.67	0.10	0.037	(0.083)	0.007	0.030
201	16.75	0.10	0.037	(0.083)	0.007	0.030
202	16.83	0.10	0.037	(0.082)	0.007	0.030
203	16.92	0.10	0.037	(0.082)	0.007	0.030
204	17.00	0.10	0.037	(0.082)	0.007	0.030
205	17.08	0.17	0.061	(0.081)	0.011	0.050
206	17.17	0.17	0.061	(0.081)	0.011	0.050
207	17.25	0.17	0.061	(0.080)	0.011	0.050
208	17.33	0.17	0.061	(0.080)	0.011	0.050
209	17.42	0.17	0.061	(0.079)	0.011	0.050
210	17.50	0.17	0.061	(0.079)	0.011	0.050
211	17.58	0.17	0.061	(0.079)	0.011	0.050
212	17.67	0.17	0.061	(0.078)	0.011	0.050
213	17.75	0.17	0.061	(0.078)	0.011	0.050
214	17.83	0.13	0.049	(0.078)	0.009	0.040
215	17.92	0.13	0.049	(0.077)	0.009	0.040
216	18.00	0.13	0.049	(0.077)	0.009	0.040
217	18.08	0.13	0.049	(0.076)	0.009	0.040
218	18.17	0.13	0.049	(0.076)	0.009	0.040
219	18.25	0.13	0.049	(0.076)	0.009	0.040
220	18.33	0.13	0.049	(0.075)	0.009	0.040
221	18.42	0.13	0.049	(0.075)	0.009	0.040
222	18.50	0.13	0.049	(0.075)	0.009	0.040
223	18.58	0.10	0.037	(0.074)	0.007	0.030
224	18.67	0.10	0.037	(0.074)	0.007	0.030
225	18.75	0.10	0.037	(0.073)	0.007	0.030
226	18.83	0.07	0.024	(0.073)	0.004	0.020
227	18.92	0.07	0.024	(0.073)	0.004	0.020
228	19.00	0.07	0.024	(0.072)	0.004	0.020
229	19.08	0.10	0.037	(0.072)	0.007	0.030
230	19.17	0.10	0.037	(0.072)	0.007	0.030
231	19.25	0.10	0.037	(0.071)	0.007	0.030
232	19.33	0.13	0.049	(0.071)	0.009	0.040
233	19.42	0.13	0.049	(0.071)	0.009	0.040
234	19.50	0.13	0.049	(0.070)	0.009	0.040
235	19.58	0.10	0.037	(0.070)	0.007	0.030
236	19.67	0.10	0.037	(0.070)	0.007	0.030
237	19.75	0.10	0.037	(0.069)	0.007	0.030
238	19.83	0.07	0.024	(0.069)	0.004	0.020
239	19.92	0.07	0.024	(0.069)	0.004	0.020
240	20.00	0.07	0.024	(0.069)	0.004	0.020
241	20.08	0.10	0.037	(0.068)	0.007	0.030
242	20.17	0.10	0.037	(0.068)	0.007	0.030
243	20.25	0.10	0.037	(0.068)	0.007	0.030
244	20.33	0.10	0.037	(0.067)	0.007	0.030
245	20.42	0.10	0.037	(0.067)	0.007	0.030
246	20.50	0.10	0.037	(0.067)	0.007	0.030
247	20.58	0.10	0.037	(0.066)	0.007	0.030
248	20.67	0.10	0.037	(0.066)	0.007	0.030
249	20.75	0.10	0.037	(0.066)	0.007	0.030
250	20.83	0.07	0.024	(0.066)	0.004	0.020
251	20.92	0.07	0.024	(0.065)	0.004	0.020
252	21.00	0.07	0.024	(0.065)	0.004	0.020
253	21.08	0.10	0.037	(0.065)	0.007	0.030
254	21.17	0.10	0.037	(0.065)	0.007	0.030

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255	21.25	0.10	0.037	(0.064)	0.007	0.030
256	21.33	0.07	0.024	(0.064)	0.004	0.020
257	21.42	0.07	0.024	(0.064)	0.004	0.020
258	21.50	0.07	0.024	(0.064)	0.004	0.020
259	21.58	0.10	0.037	(0.063)	0.007	0.030
260	21.67	0.10	0.037	(0.063)	0.007	0.030
261	21.75	0.10	0.037	(0.063)	0.007	0.030
262	21.83	0.07	0.024	(0.063)	0.004	0.020
263	21.92	0.07	0.024	(0.063)	0.004	0.020
264	22.00	0.07	0.024	(0.062)	0.004	0.020
265	22.08	0.10	0.037	(0.062)	0.007	0.030
266	22.17	0.10	0.037	(0.062)	0.007	0.030
267	22.25	0.10	0.037	(0.062)	0.007	0.030
268	22.33	0.07	0.024	(0.062)	0.004	0.020
269	22.42	0.07	0.024	(0.061)	0.004	0.020
270	22.50	0.07	0.024	(0.061)	0.004	0.020
271	22.58	0.07	0.024	(0.061)	0.004	0.020
272	22.67	0.07	0.024	(0.061)	0.004	0.020
273	22.75	0.07	0.024	(0.061)	0.004	0.020
274	22.83	0.07	0.024	(0.060)	0.004	0.020
275	22.92	0.07	0.024	(0.060)	0.004	0.020
276	23.00	0.07	0.024	(0.060)	0.004	0.020
277	23.08	0.07	0.024	(0.060)	0.004	0.020
278	23.17	0.07	0.024	(0.060)	0.004	0.020
279	23.25	0.07	0.024	(0.060)	0.004	0.020
280	23.33	0.07	0.024	(0.060)	0.004	0.020
281	23.42	0.07	0.024	(0.060)	0.004	0.020
282	23.50	0.07	0.024	(0.059)	0.004	0.020
283	23.58	0.07	0.024	(0.059)	0.004	0.020
284	23.67	0.07	0.024	(0.059)	0.004	0.020
285	23.75	0.07	0.024	(0.059)	0.004	0.020
286	23.83	0.07	0.024	(0.059)	0.004	0.020
287	23.92	0.07	0.024	(0.059)	0.004	0.020
288	24.00	0.07	0.024	(0.059)	0.004	0.020

(Loss Rate Not Used)

Sum = 100.0 Sum = 30.0

Flood volume = Effective rainfall 2.50(In)
times area 9.7(Ac.) / [(In)/(Ft.)] = 2.0(Ac.Ft)
Total soil loss = 0.55(In)
Total soil loss = 0.445(Ac.Ft)
Total rainfall = 3.05(In)
Flood volume = 88340.2 Cubic Feet
Total soil loss = 19391.7 Cubic Feet

Peak flow rate of this hydrograph = 3.337(CFS)

+++++
24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0006	0.09	Q				
0+10	0.0018	0.17	Q				
0+15	0.0031	0.19	Q				
0+20	0.0047	0.24	Q				
0+25	0.0067	0.28	VQ				
0+30	0.0087	0.29	VQ				
0+35	0.0107	0.29	VQ				
0+40	0.0127	0.29	VQ				
0+45	0.0148	0.29	VQ				
0+50	0.0171	0.34	VQ				
0+55	0.0197	0.38	VQ				
1+ 0	0.0224	0.39	VQ				
1+ 5	0.0248	0.35	VQ				
1+10	0.0269	0.31	VQ				
1+15	0.0290	0.30	VQ				
1+20	0.0310	0.29	VQ				
1+25	0.0330	0.29	VQ				

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1+30	0.0351	0.29	VQ				
1+35	0.0371	0.29	VQ				
1+40	0.0391	0.29	VQ				
1+45	0.0411	0.29	VQ				
1+50	0.0435	0.34	VQ				
1+55	0.0461	0.38	VQ				
2+ 0	0.0488	0.39	VQ				
2+ 5	0.0515	0.39	IQ				
2+10	0.0542	0.39	IQ				
2+15	0.0569	0.39	IQ				
2+20	0.0596	0.39	IQ				
2+25	0.0623	0.39	IQ				
2+30	0.0650	0.39	IQ				
2+35	0.0680	0.44	IQ				
2+40	0.0713	0.48	IQ				
2+45	0.0746	0.49	IQ				
2+50	0.0780	0.49	IQ				
2+55	0.0814	0.49	IQ				
3+ 0	0.0848	0.49	IQ				
3+ 5	0.0882	0.49	IQ				
3+10	0.0915	0.49	IQ				
3+15	0.0949	0.49	IQ				
3+20	0.0983	0.49	IQ				
3+25	0.1017	0.49	IQV				
3+30	0.1051	0.49	IQV				
3+35	0.1084	0.49	IQV				
3+40	0.1118	0.49	IQV				
3+45	0.1152	0.49	IQV				
3+50	0.1189	0.53	IQ				
3+55	0.1229	0.58	IQ				
4+ 0	0.1269	0.59	IQ				
4+ 5	0.1309	0.59	IQ				
4+10	0.1350	0.59	IQ				
4+15	0.1391	0.59	IQ				
4+20	0.1434	0.63	IQ				
4+25	0.1481	0.67	IQ				
4+30	0.1528	0.68	IQV				
4+35	0.1575	0.69	IQV				
4+40	0.1622	0.69	IQV				
4+45	0.1670	0.69	IQV				
4+50	0.1720	0.73	IQV				
4+55	0.1773	0.77	IQ				
5+ 0	0.1827	0.78	IQ				
5+ 5	0.1875	0.70	IQV				
5+10	0.1917	0.61	IQV				
5+15	0.1958	0.60	IQV				
5+20	0.2002	0.63	IQV				
5+25	0.2048	0.67	IQ V				
5+30	0.2096	0.68	IQ V				
5+35	0.2146	0.73	IQ V				
5+40	0.2199	0.77	IQV				
5+45	0.2253	0.78	IQV				
5+50	0.2307	0.79	IQV				
5+55	0.2361	0.79	IQV				
6+ 0	0.2415	0.79	IQV				
6+ 5	0.2472	0.83	IQV				
6+10	0.2532	0.87	IQV				
6+15	0.2593	0.88	IQ V				
6+20	0.2654	0.88	IQ V				
6+25	0.2715	0.88	IQ V				
6+30	0.2775	0.88	IQ V				
6+35	0.2839	0.93	IQ V				
6+40	0.2906	0.97	IQ V				
6+45	0.2973	0.98	IQ V				
6+50	0.3041	0.98	IQ V				
6+55	0.3109	0.98	IQ V				
7+ 0	0.3176	0.98	IQ V				
7+ 5	0.3244	0.98	IQ V				
7+10	0.3311	0.98	IQ V				
7+15	0.3379	0.98	IQ V				
7+20	0.3450	1.03	IQ V				
7+25	0.3523	1.07	IQ V				

Glen Ivy Senior Living ATTACHMENT C – Inflow Hydrographs

7+30	0.3597	1.08	Q	V				
7+35	0.3675	1.12	Q	V				
7+40	0.3755	1.17	Q	V				
7+45	0.3836	1.17	Q	V				
7+50	0.3920	1.22	Q	V				
7+55	0.4007	1.26	Q	V				
8+ 0	0.4095	1.27	Q	V				
8+ 5	0.4188	1.36	Q	V				
8+10	0.4288	1.45	Q	V				
8+15	0.4389	1.46	Q	V				
8+20	0.4490	1.47	Q	V				
8+25	0.4592	1.47	Q	V				
8+30	0.4693	1.47	Q	V				
8+35	0.4798	1.52	Q	V				
8+40	0.4905	1.56	Q	V				
8+45	0.5013	1.57	Q	V				
8+50	0.5124	1.61	Q	V				
8+55	0.5238	1.66	Q	V				
9+ 0	0.5353	1.66	Q	V				
9+ 5	0.5474	1.76	Q	V				
9+10	0.5601	1.84	Q	V				
9+15	0.5728	1.86	Q	V				
9+20	0.5860	1.91	Q	V				
9+25	0.5994	1.95	Q	V				
9+30	0.6129	1.96	Q	V				
9+35	0.6267	2.01	Q	V				
9+40	0.6409	2.05	Q	V				
9+45	0.6550	2.06	Q	V				
9+50	0.6695	2.11	Q	V				
9+55	0.6843	2.15	Q	V				
10+ 0	0.6992	2.16	Q	V				
10+ 5	0.7119	1.85	Q	V				
10+10	0.7226	1.56	Q	V				
10+15	0.7330	1.50	Q	V				
10+20	0.7431	1.47	Q	V				
10+25	0.7532	1.47	Q	V				
10+30	0.7634	1.47	Q	V				
10+35	0.7750	1.69	Q	V				
10+40	0.7881	1.90	Q	V				
10+45	0.8015	1.94	Q	V				
10+50	0.8150	1.96	Q	V				
10+55	0.8286	1.96	Q	V				
11+ 0	0.8421	1.96	Q	V				
11+ 5	0.8553	1.92	Q	V				
11+10	0.8682	1.88	Q	V				
11+15	0.8811	1.87	Q	V				
11+20	0.8939	1.86	Q	V				
11+25	0.9068	1.86	Q	V				
11+30	0.9196	1.86	Q	V				
11+35	0.9319	1.78	Q	V				
11+40	0.9435	1.69	Q	V				
11+45	0.9551	1.68	Q	V				
11+50	0.9669	1.71	Q	V				
11+55	0.9790	1.75	Q	V				
12+ 0	0.9911	1.76	Q	V				
12+ 5	1.0054	2.07	Q	V				
12+10	1.0217	2.37	Q	V				
12+15	1.0384	2.43	Q	V				
12+20	1.0556	2.50	Q	V				
12+25	1.0731	2.54	Q	V				
12+30	1.0907	2.55	Q	V				
12+35	1.1088	2.64	Q	V				
12+40	1.1276	2.72	Q	V				
12+45	1.1465	2.74	Q	V				
12+50	1.1657	2.79	Q	V				
12+55	1.1852	2.83	Q	V				
13+ 0	1.2048	2.84	Q	V				
13+ 5	1.2259	3.07	Q	V				
13+10	1.2485	3.28	Q	V				
13+15	1.2713	3.32	Q	V				
13+20	1.2943	3.34	Q	V				
13+25	1.3173	3.34	Q	V				

Glen Ivy Senior Living ATTACHMENT C – Inflow Hydrographs

13+30	1.3403	3.34			Q		V		
13+35	1.3599	2.85			Q		V		
13+40	1.3764	2.39			Q		V		
13+45	1.3923	2.30			Q		V		
13+50	1.4078	2.26			Q		V		
13+55	1.4233	2.26			Q		V		
14+ 0	1.4389	2.26			Q		V		
14+ 5	1.4557	2.43			Q		V		
14+10	1.4736	2.60			Q		V		
14+15	1.4917	2.63			Q		V		
14+20	1.5097	2.61			Q		V		
14+25	1.5273	2.56			Q		V		
14+30	1.5449	2.56			Q		V		
14+35	1.5625	2.55			Q		V		
14+40	1.5801	2.55			Q		V		
14+45	1.5977	2.55			Q		V		
14+50	1.6149	2.51			Q		V		
14+55	1.6319	2.47			Q		V		
15+ 0	1.6488	2.46			Q		V		
15+ 5	1.6654	2.41			Q		V		
15+10	1.6817	2.37			Q		V		
15+15	1.6980	2.36			Q		V		
15+20	1.7139	2.31			Q		V		
15+25	1.7296	2.27			Q		V		
15+30	1.7451	2.26			Q		V		
15+35	1.7595	2.08			Q		V		
15+40	1.7726	1.91			Q		V		
15+45	1.7856	1.88			Q		V		
15+50	1.7984	1.86			Q		V		
15+55	1.8113	1.86			Q		V		
16+ 0	1.8241	1.86			Q		V		
16+ 5	1.8324	1.21			Q		V		
16+10	1.8364	0.58			Q		V		
16+15	1.8395	0.45			Q		V		
16+20	1.8422	0.39			Q		V		
16+25	1.8449	0.39			Q		V		
16+30	1.8476	0.39			Q		V		
16+35	1.8500	0.35			Q		V		
16+40	1.8521	0.31			Q		V		
16+45	1.8542	0.30			Q		V		
16+50	1.8562	0.29			Q		V		
16+55	1.8582	0.29			Q		V		
17+ 0	1.8603	0.29			Q		V		
17+ 5	1.8629	0.38			Q		V		
17+10	1.8661	0.47			Q		V		
17+15	1.8694	0.48			Q		V		
17+20	1.8728	0.49			Q		V		
17+25	1.8762	0.49			Q		V		
17+30	1.8796	0.49			Q		V		
17+35	1.8830	0.49			Q		V		
17+40	1.8863	0.49			Q		V		
17+45	1.8897	0.49			Q		V		
17+50	1.8928	0.45			Q		V		
17+55	1.8956	0.40			Q		V		
18+ 0	1.8983	0.40			Q		V		
18+ 5	1.9010	0.39			Q		V		
18+10	1.9037	0.39			Q		V		
18+15	1.9064	0.39			Q		V		
18+20	1.9091	0.39			Q		V		
18+25	1.9118	0.39			Q		V		
18+30	1.9145	0.39			Q		V		
18+35	1.9169	0.35			Q		V		
18+40	1.9190	0.31			Q		V		
18+45	1.9211	0.30			Q		V		
18+50	1.9228	0.25			Q		V		
18+55	1.9243	0.21			Q		V		
19+ 0	1.9256	0.20			Q		V		
19+ 5	1.9273	0.24			Q		V		
19+10	1.9292	0.28			Q		V		
19+15	1.9312	0.29			Q		V		
19+20	1.9336	0.34			Q		V		
19+25	1.9362	0.38			Q		V		

Glen Ivy Senior Living ATTACHMENT C – Inflow Hydrographs

19+30	1.9389	0.39	IQ					V	
19+35	1.9413	0.35	IQ					V	
19+40	1.9434	0.31	IQ					V	
19+45	1.9454	0.30	IQ					V	
19+50	1.9472	0.25	IQ					V	
19+55	1.9486	0.21	Q					V	
20+ 0	1.9500	0.20	Q					V	
20+ 5	1.9516	0.24	Q					V	
20+10	1.9536	0.28	IQ					V	
20+15	1.9556	0.29	IQ					V	
20+20	1.9576	0.29	IQ					V	
20+25	1.9596	0.29	IQ					V	
20+30	1.9617	0.29	IQ					V	
20+35	1.9637	0.29	IQ					V	
20+40	1.9657	0.29	IQ					V	
20+45	1.9677	0.29	IQ					V	
20+50	1.9695	0.25	IQ					V	
20+55	1.9709	0.21	Q					V	
21+ 0	1.9723	0.20	Q					V	
21+ 5	1.9739	0.24	Q					V	
21+10	1.9759	0.28	IQ					V	
21+15	1.9779	0.29	IQ					V	
21+20	1.9796	0.25	IQ					V	
21+25	1.9810	0.21	Q					V	
21+30	1.9824	0.20	Q					V	
21+35	1.9841	0.24	Q					V	
21+40	1.9860	0.28	IQ					V	
21+45	1.9880	0.29	IQ					V	
21+50	1.9898	0.25	IQ					V	
21+55	1.9912	0.21	Q					V	
22+ 0	1.9926	0.20	Q					V	
22+ 5	1.9942	0.24	Q					V	
22+10	1.9962	0.28	IQ					V	
22+15	1.9982	0.29	IQ					V	
22+20	1.9999	0.25	IQ					V	
22+25	2.0013	0.21	Q					V	
22+30	2.0027	0.20	Q					V	
22+35	2.0041	0.20	Q					V	
22+40	2.0054	0.20	Q					V	
22+45	2.0068	0.20	Q					V	
22+50	2.0081	0.20	Q					V	
22+55	2.0095	0.20	Q					V	
23+ 0	2.0108	0.20	Q					V	
23+ 5	2.0122	0.20	Q					V	
23+10	2.0135	0.20	Q					V	
23+15	2.0149	0.20	Q					V	
23+20	2.0162	0.20	Q					V	
23+25	2.0176	0.20	Q					V	
23+30	2.0189	0.20	Q					V	
23+35	2.0203	0.20	Q					V	
23+40	2.0216	0.20	Q					V	
23+45	2.0230	0.20	Q					V	
23+50	2.0243	0.20	Q					V	
23+55	2.0257	0.20	Q					V	
24+ 0	2.0270	0.20	Q					V	
24+ 5	2.0278	0.11	Q					V	
24+10	2.0280	0.02	Q					V	
24+15	2.0280	0.01	Q					V	

Glen Ivy Senior Living

ATTACHMENT C – Inflow Hydrographs

U n i t H y d r o g r a p h A n a l y s i s

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 4029

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Glen Ivy Senior Living
Inflow Hydrograph Calculations
Existing Condition
10-year 1-hour storm

Drainage Area = 9.73(Ac.) = 0.015 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 9.73(Ac.) = 0.015 Sq. Mi.
Length along longest watercourse = 1323.00(Ft.)
Length along longest watercourse measured to centroid = 593.00(Ft.)
Length along longest watercourse = 0.251 Mi.
Length along longest watercourse measured to centroid = 0.112 Mi.
Difference in elevation = 20.80(Ft.)
Slope along watercourse = 83.0113 Ft./Mi.
Average Manning's 'N' = 0.025
Lag time = 0.067 Hr.
Lag time = 4.00 Min.
25% of lag time = 1.00 Min.
40% of lag time = 1.60 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.) [1]	Rainfall(In) [2]	Weighting[1*2]
9.73	0.51	4.98

100 YEAR Area rainfall data:

Area(Ac.) [1]	Rainfall(In) [2]	Weighting[1*2]
9.73	1.43	13.91

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 0.512(In)
Area Averaged 100-Year Rainfall = 1.430(In)

Point rain (area averaged) = 0.890(In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 0.890(In)

Sub-Area Data:
Area(Ac.) Runoff Index Impervious %
9.730 75.00 0.025

Glen Ivy Senior Living ATTACHMENT C – Inflow Hydrographs

Total Area Entered = 9.73(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-2	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
75.0	75.0	0.303	0.025	0.296	1.000	0.296
					Sum (F) =	0.296

Area averaged mean soil loss (F) (In/Hr) = 0.296
 Minimum soil loss rate ((In/Hr)) = 0.148
 (for 24 hour storm duration)
 Soil low loss rate (decimal) = 0.870

 Slope of intensity-duration curve for a 1 hour storm =0.4800

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	124.897	26.601
2	0.167	249.794	48.537
3	0.250	374.691	12.896
4	0.333	499.588	5.804
5	0.417	624.485	3.228
6	0.500	749.382	1.793
7	0.583	874.279	1.141
		Sum = 100.000	Sum= 9.806

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
			Max	Low	
1	0.08	4.40	0.296	(0.409)	0.174
2	0.17	4.50	0.296	(0.418)	0.184
3	0.25	5.40	0.296	(0.502)	0.280
4	0.33	5.40	0.296	(0.502)	0.280
5	0.42	5.70	0.296	(0.529)	0.312
6	0.50	6.40	0.296	(0.594)	0.387
7	0.58	7.90	0.296	(0.734)	0.547
8	0.67	9.10	0.296	(0.845)	0.675
9	0.75	12.80	0.296	(1.189)	1.070
10	0.83	25.60	0.296	(2.378)	2.437
11	0.92	7.90	0.296	(0.734)	0.547
12	1.00	4.90	0.296	(0.455)	0.227

(Loss Rate Not Used)

Sum = 100.0 Sum = 7.1

Flood volume = Effective rainfall 0.59(In)
 times area 9.7(Ac.)/[(In)/(Ft.)] = 0.5(Ac.Ft)

Total soil loss = 0.30(In)

Total soil loss = 0.240(Ac.Ft)

Total rainfall = 0.89(In)

Flood volume = 20959.2 Cubic Feet

Total soil loss = 10461.1 Cubic Feet

 Peak flow rate of this hydrograph = 15.046(CFS)

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1 - H O U R S T O R M

R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	5.0	10.0	15.0	20.0

Glen Ivy Senior Living ATTACHMENT C – Inflow Hydrographs

0+ 5	0.0031	0.45	Q				
0+10	0.0121	1.31	VQ				
0+15	0.0247	1.83	VQ				
0+20	0.0412	2.40	VQ				
0+25	0.0596	2.66	VQ				
0+30	0.0809	3.10	Q				
0+35	0.1082	3.97	QV				
0+40	0.1440	5.19	QV				
0+45	0.1929	7.10	Q V				
0+50	0.2813	12.83	V Q				
0+55	0.3849	15.05	QV				
1+ 0	0.4348	7.24	Q				V
1+ 5	0.4601	3.68	Q				V
1+10	0.4714	1.63	Q				V
1+15	0.4772	0.85	Q				V
1+20	0.4803	0.44	Q				V
1+25	0.4810	0.10	Q				V
1+30	0.4812	0.03	Q				V

Glen Ivy Senior Living

ATTACHMENT C – Inflow Hydrographs

U n i t H y d r o g r a p h A n a l y s i s

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 4029

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Glen Ivy Senior Living
Inflow Hydrograph Calculations
Existing Condition
10-year 3-hour storm

Drainage Area = 9.73(Ac.) = 0.015 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 9.73(Ac.) = 0.015 Sq. Mi.
Length along longest watercourse = 1323.00(Ft.)
Length along longest watercourse measured to centroid = 593.00(Ft.)
Length along longest watercourse = 0.251 Mi.
Length along longest watercourse measured to centroid = 0.112 Mi.
Difference in elevation = 20.80(Ft.)
Slope along watercourse = 83.0113 Ft./Mi.
Average Manning's 'N' = 0.025
Lag time = 0.067 Hr.
Lag time = 4.00 Min.
25% of lag time = 1.00 Min.
40% of lag time = 1.60 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.) [1]	Rainfall(In) [2]	Weighting[1*2]
9.73	0.88	8.60

100 YEAR Area rainfall data:

Area(Ac.) [1]	Rainfall(In) [2]	Weighting[1*2]
9.73	2.28	22.18

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 0.884(In)
Area Averaged 100-Year Rainfall = 2.280(In)

Point rain (area averaged) = 1.458(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 1.458(In)

Sub-Area Data:
Area(Ac.) Runoff Index Impervious %
9.730 75.00 0.025

Glen Ivy Senior Living

ATTACHMENT C – Inflow Hydrographs

Total Area Entered = 9.73 (Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-2	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
75.0	75.0	0.303	0.025	0.296	1.000	0.296
						Sum (F) = 0.296

Area averaged mean soil loss (F) (In/Hr) = 0.296
 Minimum soil loss rate ((In/Hr)) = 0.148
 (for 24 hour storm duration)
 Soil low loss rate (decimal) = 0.870

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	124.897	26.601
2	0.167	249.794	48.537
3	0.250	374.691	12.896
4	0.333	499.588	5.804
5	0.417	624.485	3.228
6	0.500	749.382	1.793
7	0.583	874.279	1.141
		Sum = 100.000	Sum= 9.806

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate (In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	1.30	0.227	(0.296)	0.198	0.030
2	0.17	1.30	0.227	(0.296)	0.198	0.030
3	0.25	1.10	0.192	(0.296)	0.167	0.025
4	0.33	1.50	0.262	(0.296)	0.228	0.034
5	0.42	1.50	0.262	(0.296)	0.228	0.034
6	0.50	1.80	0.315	(0.296)	0.274	0.041
7	0.58	1.50	0.262	(0.296)	0.228	0.034
8	0.67	1.80	0.315	(0.296)	0.274	0.041
9	0.75	1.80	0.315	(0.296)	0.274	0.041
10	0.83	1.50	0.262	(0.296)	0.228	0.034
11	0.92	1.60	0.280	(0.296)	0.244	0.036
12	1.00	1.80	0.315	(0.296)	0.274	0.041
13	1.08	2.20	0.385	0.296	(0.335)	0.089
14	1.17	2.20	0.385	0.296	(0.335)	0.089
15	1.25	2.20	0.385	0.296	(0.335)	0.089
16	1.33	2.00	0.350	0.296	(0.304)	0.054
17	1.42	2.60	0.455	0.296	(0.396)	0.159
18	1.50	2.70	0.472	0.296	(0.411)	0.176
19	1.58	2.40	0.420	0.296	(0.365)	0.124
20	1.67	2.70	0.472	0.296	(0.411)	0.176
21	1.75	3.30	0.577	0.296	(0.502)	0.281
22	1.83	3.10	0.542	0.296	(0.472)	0.246
23	1.92	2.90	0.507	0.296	(0.442)	0.211
24	2.00	3.00	0.525	0.296	(0.457)	0.229
25	2.08	3.10	0.542	0.296	(0.472)	0.246
26	2.17	4.20	0.735	0.296	(0.639)	0.439
27	2.25	5.00	0.875	0.296	(0.761)	0.579
28	2.33	3.50	0.612	0.296	(0.533)	0.316
29	2.42	6.80	1.190	0.296	(1.035)	0.894
30	2.50	7.30	1.277	0.296	(1.111)	0.981
31	2.58	8.20	1.435	0.296	(1.248)	1.139
32	2.67	5.90	1.032	0.296	(0.898)	0.736
33	2.75	2.00	0.350	0.296	(0.304)	0.054
34	2.83	1.80	0.315	(0.296)	0.274	0.041
35	2.92	1.80	0.315	(0.296)	0.274	0.041

Glen Ivy Senior Living

ATTACHMENT C – Inflow Hydrographs

36 3.00 0.60 0.105 (0.296) 0.091 0.014
 (Loss Rate Not Used)

Sum = 100.0 Sum = 7.8

Flood volume = Effective rainfall 0.65(In)
 times area 9.7(Ac.)/[(In)/(Ft.)] = 0.5(Ac.Ft)
 Total soil loss = 0.81(In)
 Total soil loss = 0.654(Ac.Ft)
 Total rainfall = 1.46(In)
 Flood volume = 23026.9 Cubic Feet
 Total soil loss = 28478.9 Cubic Feet

 Peak flow rate of this hydrograph = 9.346(CFS)

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3 - H O U R S T O R M
 R u n o f f H y d r o g r a p h

 Hydrograph in 5 Minute intervals ((CFS))

Time (h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0005	0.08	Q				
0+10	0.0020	0.22	Q				
0+15	0.0037	0.24	Q				
0+20	0.0055	0.26	VQ				
0+25	0.0076	0.31	VQ				
0+30	0.0100	0.34	VQ				
0+35	0.0125	0.36	VQ				
0+40	0.0150	0.36	IQ				
0+45	0.0176	0.39	IQ				
0+50	0.0202	0.38	IQ				
0+55	0.0227	0.35	IQ				
1+ 0	0.0252	0.37	IQ				
1+ 5	0.0288	0.52	IQ				
1+10	0.0340	0.75	IQ				
1+15	0.0396	0.81	VQ				
1+20	0.0447	0.75	QV				
1+25	0.0507	0.87	Q				
1+30	0.0603	1.38	VQ				
1+35	0.0702	1.45	Q				
1+40	0.0799	1.41	QV				
1+45	0.0930	1.90	Q				
1+50	0.1093	2.37	VQ				
1+55	0.1249	2.27	Q				
2+ 0	0.1399	2.17	Q	V			
2+ 5	0.1555	2.27	Q	V			
2+10	0.1753	2.88	IQ	V			
2+15	0.2041	4.18		VQ			
2+20	0.2345	4.41		Q			
2+25	0.2687	4.96			QV		
2+30	0.3221	7.75			V	IQ	
2+35	0.3858	9.24				V	Q
2+40	0.4502	9.35				V	Q
2+45	0.4918	6.05			Q		V
2+50	0.5087	2.45		Q			V
2+55	0.5185	1.42	Q				V
3+ 0	0.5244	0.86	Q				V
3+ 5	0.5272	0.41	IQ				V
3+10	0.5282	0.15	Q				V
3+15	0.5285	0.03	Q				V
3+20	0.5286	0.02	Q				V
3+25	0.5286	0.01	Q				V
3+30	0.5286	0.00	Q				V

Glen Ivy Senior Living

ATTACHMENT C – Inflow Hydrographs

U n i t H y d r o g r a p h A n a l y s i s

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Study date 08/12/20 File: sh10ex610.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 4029

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Glen Ivy Senior Living
Inflow Hydrograph Calculations
Existing Condition
10-year 6-hour storm

Drainage Area = 9.73(Ac.) = 0.015 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 9.73(Ac.) = 0.015 Sq. Mi.
Length along longest watercourse = 1323.00(Ft.)
Length along longest watercourse measured to centroid = 593.00(Ft.)
Length along longest watercourse = 0.251 Mi.
Length along longest watercourse measured to centroid = 0.112 Mi.
Difference in elevation = 20.80(Ft.)
Slope along watercourse = 83.0113 Ft./Mi.
Average Manning's 'N' = 0.025
Lag time = 0.067 Hr.
Lag time = 4.00 Min.
25% of lag time = 1.00 Min.
40% of lag time = 1.60 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.) [1]	Rainfall(In) [2]	Weighting[1*2]
9.73	1.23	11.97

100 YEAR Area rainfall data:

Area(Ac.) [1]	Rainfall(In) [2]	Weighting[1*2]
9.73	3.12	30.36

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 1.230(In)
Area Averaged 100-Year Rainfall = 3.120(In)

Point rain (area averaged) = 2.008(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 2.007(In)

Sub-Area Data:
Area(Ac.) Runoff Index Impervious %
9.730 75.00 0.025

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Total Area Entered = 9.73 (Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-2	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
75.0	75.0	0.303	0.025	0.296	1.000	0.296
						Sum (F) = 0.296

Area averaged mean soil loss (F) (In/Hr) = 0.296
 Minimum soil loss rate ((In/Hr)) = 0.148
 (for 24 hour storm duration)
 Soil low loss rate (decimal) = 0.870

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	124.897	26.601
2	0.167	249.794	48.537
3	0.250	374.691	12.896
4	0.333	499.588	5.804
5	0.417	624.485	3.228
6	0.500	749.382	1.793
7	0.583	874.279	1.141
		Sum = 100.000	Sum= 9.806

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.50	0.120	(0.296)	0.105	0.016
2	0.17	0.60	0.145	(0.296)	0.126	0.019
3	0.25	0.60	0.145	(0.296)	0.126	0.019
4	0.33	0.60	0.145	(0.296)	0.126	0.019
5	0.42	0.60	0.145	(0.296)	0.126	0.019
6	0.50	0.70	0.169	(0.296)	0.147	0.022
7	0.58	0.70	0.169	(0.296)	0.147	0.022
8	0.67	0.70	0.169	(0.296)	0.147	0.022
9	0.75	0.70	0.169	(0.296)	0.147	0.022
10	0.83	0.70	0.169	(0.296)	0.147	0.022
11	0.92	0.70	0.169	(0.296)	0.147	0.022
12	1.00	0.80	0.193	(0.296)	0.168	0.025
13	1.08	0.80	0.193	(0.296)	0.168	0.025
14	1.17	0.80	0.193	(0.296)	0.168	0.025
15	1.25	0.80	0.193	(0.296)	0.168	0.025
16	1.33	0.80	0.193	(0.296)	0.168	0.025
17	1.42	0.80	0.193	(0.296)	0.168	0.025
18	1.50	0.80	0.193	(0.296)	0.168	0.025
19	1.58	0.80	0.193	(0.296)	0.168	0.025
20	1.67	0.80	0.193	(0.296)	0.168	0.025
21	1.75	0.80	0.193	(0.296)	0.168	0.025
22	1.83	0.80	0.193	(0.296)	0.168	0.025
23	1.92	0.80	0.193	(0.296)	0.168	0.025
24	2.00	0.90	0.217	(0.296)	0.189	0.028
25	2.08	0.80	0.193	(0.296)	0.168	0.025
26	2.17	0.90	0.217	(0.296)	0.189	0.028
27	2.25	0.90	0.217	(0.296)	0.189	0.028
28	2.33	0.90	0.217	(0.296)	0.189	0.028
29	2.42	0.90	0.217	(0.296)	0.189	0.028
30	2.50	0.90	0.217	(0.296)	0.189	0.028
31	2.58	0.90	0.217	(0.296)	0.189	0.028
32	2.67	0.90	0.217	(0.296)	0.189	0.028
33	2.75	1.00	0.241	(0.296)	0.210	0.031
34	2.83	1.00	0.241	(0.296)	0.210	0.031
35	2.92	1.00	0.241	(0.296)	0.210	0.031

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36	3.00	1.00	0.241	(0.296)	0.210	0.031
37	3.08	1.00	0.241	(0.296)	0.210	0.031
38	3.17	1.10	0.265	(0.296)	0.231	0.034
39	3.25	1.10	0.265	(0.296)	0.231	0.034
40	3.33	1.10	0.265	(0.296)	0.231	0.034
41	3.42	1.20	0.289	(0.296)	0.251	0.038
42	3.50	1.30	0.313	(0.296)	0.272	0.041
43	3.58	1.40	0.337	(0.296)	0.293	0.044
44	3.67	1.40	0.337	(0.296)	0.293	0.044
45	3.75	1.50	0.361	0.296	(0.314)	0.065
46	3.83	1.50	0.361	0.296	(0.314)	0.065
47	3.92	1.60	0.385	0.296	(0.335)	0.089
48	4.00	1.60	0.385	0.296	(0.335)	0.089
49	4.08	1.70	0.410	0.296	(0.356)	0.113
50	4.17	1.80	0.434	0.296	(0.377)	0.137
51	4.25	1.90	0.458	0.296	(0.398)	0.162
52	4.33	2.00	0.482	0.296	(0.419)	0.186
53	4.42	2.10	0.506	0.296	(0.440)	0.210
54	4.50	2.10	0.506	0.296	(0.440)	0.210
55	4.58	2.20	0.530	0.296	(0.461)	0.234
56	4.67	2.30	0.554	0.296	(0.482)	0.258
57	4.75	2.40	0.578	0.296	(0.503)	0.282
58	4.83	2.40	0.578	0.296	(0.503)	0.282
59	4.92	2.50	0.602	0.296	(0.524)	0.306
60	5.00	2.60	0.626	0.296	(0.545)	0.330
61	5.08	3.10	0.747	0.296	(0.650)	0.451
62	5.17	3.60	0.867	0.296	(0.754)	0.571
63	5.25	3.90	0.940	0.296	(0.817)	0.643
64	5.33	4.20	1.012	0.296	(0.880)	0.716
65	5.42	4.70	1.132	0.296	(0.985)	0.836
66	5.50	5.60	1.349	0.296	(1.174)	1.053
67	5.58	1.90	0.458	0.296	(0.398)	0.162
68	5.67	0.90	0.217	(0.296)	0.189	0.028
69	5.75	0.60	0.145	(0.296)	0.126	0.019
70	5.83	0.50	0.120	(0.296)	0.105	0.016
71	5.92	0.30	0.072	(0.296)	0.063	0.009
72	6.00	0.20	0.048	(0.296)	0.042	0.006

(Loss Rate Not Used)

Sum = 100.0 Sum = 8.7

Flood volume = Effective rainfall 0.73(In)
 times area 9.7(Ac.)/[(In)/(Ft.)] = 0.6(Ac.Ft)
 Total soil loss = 1.28(In)
 Total soil loss = 1.038(Ac.Ft)
 Total rainfall = 2.01(In)
 Flood volume = 25685.7 Cubic Feet
 Total soil loss = 45218.8 Cubic Feet

 Peak flow rate of this hydrograph = 8.298 (CFS)

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6 - H O U R S T O R M
 R u n o f f H y d r o g r a p h

 Hydrograph in 5 Minute intervals ((CFS))

Time (h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0003	0.04	Q				
0+10	0.0011	0.12	Q				
0+15	0.0022	0.16	Q				
0+20	0.0034	0.17	Q				
0+25	0.0046	0.18	Q				
0+30	0.0059	0.19	Q				
0+35	0.0074	0.21	Q				
0+40	0.0088	0.21	Q				
0+45	0.0103	0.21	Q				
0+50	0.0118	0.21	Q				
0+55	0.0132	0.21	Q				
1+ 0	0.0148	0.22	QV				
1+ 5	0.0164	0.24	QV				
1+10	0.0181	0.24	QV				

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1+15	0.0198	0.24	QV				
1+20	0.0215	0.24	QV				
1+25	0.0231	0.25	QV				
1+30	0.0248	0.25	QV				
1+35	0.0265	0.25	QV				
1+40	0.0282	0.25	QV				
1+45	0.0299	0.25	Q V				
1+50	0.0316	0.25	Q V				
1+55	0.0333	0.25	Q V				
2+ 0	0.0350	0.25	QV				
2+ 5	0.0368	0.26	QV				
2+10	0.0386	0.26	QV				
2+15	0.0405	0.27	QV				
2+20	0.0424	0.27	QV				
2+25	0.0443	0.28	Q V				
2+30	0.0462	0.28	Q V				
2+35	0.0481	0.28	Q V				
2+40	0.0500	0.28	Q V				
2+45	0.0519	0.28	Q V				
2+50	0.0540	0.30	Q V				
2+55	0.0561	0.30	Q V				
3+ 0	0.0582	0.31	Q V				
3+ 5	0.0603	0.31	Q V				
3+10	0.0625	0.32	Q V				
3+15	0.0647	0.33	Q V				
3+20	0.0670	0.33	Q V				
3+25	0.0694	0.34	Q V				
3+30	0.0720	0.37	Q V				
3+35	0.0747	0.40	Q V				
3+40	0.0776	0.42	Q V				
3+45	0.0809	0.48	Q V				
3+50	0.0849	0.58	Q V				
3+55	0.0895	0.68	Q V				
4+ 0	0.0951	0.80	Q V				
4+ 5	0.1013	0.90	Q V				
4+10	0.1089	1.10	Q V				
4+15	0.1179	1.32	Q V				
4+20	0.1286	1.54	Q V				
4+25	0.1408	1.78	Q V				
4+30	0.1542	1.95	Q V				
4+35	0.1684	2.07	Q V				
4+40	0.1841	2.27	Q V				
4+45	0.2013	2.50	Q V				
4+50	0.2196	2.66	Q V				
4+55	0.2388	2.78	Q V				
5+ 0	0.2593	2.98	Q V				
5+ 5	0.2831	3.46	Q V				
5+10	0.3134	4.40	Q V				
5+15	0.3501	5.33	Q V				
5+20	0.3921	6.10	Q V				
5+25	0.4401	6.96	Q V				
5+30	0.4973	8.30	Q V				
5+35	0.5472	7.26	Q V				
5+40	0.5683	3.05	Q				
5+45	0.5782	1.45	Q				
5+50	0.5839	0.82	Q				
5+55	0.5871	0.47	Q				
6+ 0	0.5888	0.25	Q				
6+ 5	0.5894	0.08	Q				
6+10	0.5895	0.02	Q				
6+15	0.5896	0.01	Q				
6+20	0.5896	0.01	Q				
6+25	0.5897	0.00	Q				
6+30	0.5897	0.00	Q				

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U n i t H y d r o g r a p h A n a l y s i s

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Study date 08/12/20 File: sh10ex2410.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 4029

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Glen Ivy Senior Living
Inflow Hydrograph Calculations
Existing Condition
10-year 24-hour storm

Drainage Area = 9.73 (Ac.) = 0.015 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 9.73 (Ac.) = 0.015 Sq. Mi.
Length along longest watercourse = 1323.00 (Ft.)
Length along longest watercourse measured to centroid = 593.00 (Ft.)
Length along longest watercourse = 0.251 Mi.
Length along longest watercourse measured to centroid = 0.112 Mi.
Difference in elevation = 20.80 (Ft.)
Slope along watercourse = 83.0113 Ft./Mi.
Average Manning's 'N' = 0.025
Lag time = 0.067 Hr.
Lag time = 4.00 Min.
25% of lag time = 1.00 Min.
40% of lag time = 1.60 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00 (CFS)

2 YEAR Area rainfall data:

Area (Ac.) [1]	Rainfall (In) [2]	Weighting [1*2]
9.73	2.20	21.41

100 YEAR Area rainfall data:

Area (Ac.) [1]	Rainfall (In) [2]	Weighting [1*2]
9.73	5.83	56.73

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 2.200 (In)
Area Averaged 100-Year Rainfall = 5.830 (In)

Point rain (area averaged) = 3.693 (In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 3.693 (In)

Sub-Area Data:
Area (Ac.) Runoff Index Impervious %
9.730 75.00 0.025

Glen Ivy Senior Living

ATTACHMENT C – Inflow Hydrographs

Total Area Entered = 9.73 (Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-2	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
75.0	75.0	0.303	0.025	0.296	1.000	0.296
						Sum (F) = 0.296

Area averaged mean soil loss (F) (In/Hr) = 0.296
 Minimum soil loss rate ((In/Hr)) = 0.148
 (for 24 hour storm duration)
 Soil low loss rate (decimal) = 0.870

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	124.897	2.608
2	0.167	249.794	4.760
3	0.250	374.691	1.265
4	0.333	499.588	0.569
5	0.417	624.485	0.317
6	0.500	749.382	0.176
7	0.583	874.279	0.112
		Sum = 100.000	Sum= 9.806

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate (In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.07	0.030	(0.525)	0.026	0.004
2	0.17	0.07	0.030	(0.523)	0.026	0.004
3	0.25	0.07	0.030	(0.521)	0.026	0.004
4	0.33	0.10	0.044	(0.519)	0.039	0.006
5	0.42	0.10	0.044	(0.517)	0.039	0.006
6	0.50	0.10	0.044	(0.515)	0.039	0.006
7	0.58	0.10	0.044	(0.513)	0.039	0.006
8	0.67	0.10	0.044	(0.511)	0.039	0.006
9	0.75	0.10	0.044	(0.509)	0.039	0.006
10	0.83	0.13	0.059	(0.507)	0.051	0.008
11	0.92	0.13	0.059	(0.505)	0.051	0.008
12	1.00	0.13	0.059	(0.503)	0.051	0.008
13	1.08	0.10	0.044	(0.501)	0.039	0.006
14	1.17	0.10	0.044	(0.499)	0.039	0.006
15	1.25	0.10	0.044	(0.497)	0.039	0.006
16	1.33	0.10	0.044	(0.495)	0.039	0.006
17	1.42	0.10	0.044	(0.493)	0.039	0.006
18	1.50	0.10	0.044	(0.491)	0.039	0.006
19	1.58	0.10	0.044	(0.489)	0.039	0.006
20	1.67	0.10	0.044	(0.487)	0.039	0.006
21	1.75	0.10	0.044	(0.485)	0.039	0.006
22	1.83	0.13	0.059	(0.483)	0.051	0.008
23	1.92	0.13	0.059	(0.481)	0.051	0.008
24	2.00	0.13	0.059	(0.479)	0.051	0.008
25	2.08	0.13	0.059	(0.477)	0.051	0.008
26	2.17	0.13	0.059	(0.475)	0.051	0.008
27	2.25	0.13	0.059	(0.474)	0.051	0.008
28	2.33	0.13	0.059	(0.472)	0.051	0.008
29	2.42	0.13	0.059	(0.470)	0.051	0.008
30	2.50	0.13	0.059	(0.468)	0.051	0.008
31	2.58	0.17	0.074	(0.466)	0.064	0.010
32	2.67	0.17	0.074	(0.464)	0.064	0.010
33	2.75	0.17	0.074	(0.462)	0.064	0.010
34	2.83	0.17	0.074	(0.460)	0.064	0.010
35	2.92	0.17	0.074	(0.458)	0.064	0.010

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36	3.00	0.17	0.074	(0.456)	0.064	0.010
37	3.08	0.17	0.074	(0.454)	0.064	0.010
38	3.17	0.17	0.074	(0.453)	0.064	0.010
39	3.25	0.17	0.074	(0.451)	0.064	0.010
40	3.33	0.17	0.074	(0.449)	0.064	0.010
41	3.42	0.17	0.074	(0.447)	0.064	0.010
42	3.50	0.17	0.074	(0.445)	0.064	0.010
43	3.58	0.17	0.074	(0.443)	0.064	0.010
44	3.67	0.17	0.074	(0.441)	0.064	0.010
45	3.75	0.17	0.074	(0.439)	0.064	0.010
46	3.83	0.20	0.089	(0.438)	0.077	0.012
47	3.92	0.20	0.089	(0.436)	0.077	0.012
48	4.00	0.20	0.089	(0.434)	0.077	0.012
49	4.08	0.20	0.089	(0.432)	0.077	0.012
50	4.17	0.20	0.089	(0.430)	0.077	0.012
51	4.25	0.20	0.089	(0.428)	0.077	0.012
52	4.33	0.23	0.103	(0.427)	0.090	0.013
53	4.42	0.23	0.103	(0.425)	0.090	0.013
54	4.50	0.23	0.103	(0.423)	0.090	0.013
55	4.58	0.23	0.103	(0.421)	0.090	0.013
56	4.67	0.23	0.103	(0.419)	0.090	0.013
57	4.75	0.23	0.103	(0.418)	0.090	0.013
58	4.83	0.27	0.118	(0.416)	0.103	0.015
59	4.92	0.27	0.118	(0.414)	0.103	0.015
60	5.00	0.27	0.118	(0.412)	0.103	0.015
61	5.08	0.20	0.089	(0.410)	0.077	0.012
62	5.17	0.20	0.089	(0.409)	0.077	0.012
63	5.25	0.20	0.089	(0.407)	0.077	0.012
64	5.33	0.23	0.103	(0.405)	0.090	0.013
65	5.42	0.23	0.103	(0.403)	0.090	0.013
66	5.50	0.23	0.103	(0.401)	0.090	0.013
67	5.58	0.27	0.118	(0.400)	0.103	0.015
68	5.67	0.27	0.118	(0.398)	0.103	0.015
69	5.75	0.27	0.118	(0.396)	0.103	0.015
70	5.83	0.27	0.118	(0.394)	0.103	0.015
71	5.92	0.27	0.118	(0.393)	0.103	0.015
72	6.00	0.27	0.118	(0.391)	0.103	0.015
73	6.08	0.30	0.133	(0.389)	0.116	0.017
74	6.17	0.30	0.133	(0.387)	0.116	0.017
75	6.25	0.30	0.133	(0.386)	0.116	0.017
76	6.33	0.30	0.133	(0.384)	0.116	0.017
77	6.42	0.30	0.133	(0.382)	0.116	0.017
78	6.50	0.30	0.133	(0.381)	0.116	0.017
79	6.58	0.33	0.148	(0.379)	0.129	0.019
80	6.67	0.33	0.148	(0.377)	0.129	0.019
81	6.75	0.33	0.148	(0.375)	0.129	0.019
82	6.83	0.33	0.148	(0.374)	0.129	0.019
83	6.92	0.33	0.148	(0.372)	0.129	0.019
84	7.00	0.33	0.148	(0.370)	0.129	0.019
85	7.08	0.33	0.148	(0.369)	0.129	0.019
86	7.17	0.33	0.148	(0.367)	0.129	0.019
87	7.25	0.33	0.148	(0.365)	0.129	0.019
88	7.33	0.37	0.163	(0.364)	0.141	0.021
89	7.42	0.37	0.163	(0.362)	0.141	0.021
90	7.50	0.37	0.163	(0.360)	0.141	0.021
91	7.58	0.40	0.177	(0.359)	0.154	0.023
92	7.67	0.40	0.177	(0.357)	0.154	0.023
93	7.75	0.40	0.177	(0.355)	0.154	0.023
94	7.83	0.43	0.192	(0.354)	0.167	0.025
95	7.92	0.43	0.192	(0.352)	0.167	0.025
96	8.00	0.43	0.192	(0.351)	0.167	0.025
97	8.08	0.50	0.222	(0.349)	0.193	0.029
98	8.17	0.50	0.222	(0.347)	0.193	0.029
99	8.25	0.50	0.222	(0.346)	0.193	0.029
100	8.33	0.50	0.222	(0.344)	0.193	0.029
101	8.42	0.50	0.222	(0.342)	0.193	0.029
102	8.50	0.50	0.222	(0.341)	0.193	0.029
103	8.58	0.53	0.236	(0.339)	0.206	0.031
104	8.67	0.53	0.236	(0.338)	0.206	0.031
105	8.75	0.53	0.236	(0.336)	0.206	0.031
106	8.83	0.57	0.251	(0.334)	0.218	0.033
107	8.92	0.57	0.251	(0.333)	0.218	0.033

Glen Ivy Senior Living ATTACHMENT C – Inflow Hydrographs

108	9.00	0.57	0.251	(0.331)	0.218	0.033
109	9.08	0.63	0.281	(0.330)	0.244	0.036
110	9.17	0.63	0.281	(0.328)	0.244	0.036
111	9.25	0.63	0.281	(0.327)	0.244	0.036
112	9.33	0.67	0.295	(0.325)	0.257	0.038
113	9.42	0.67	0.295	(0.323)	0.257	0.038
114	9.50	0.67	0.295	(0.322)	0.257	0.038
115	9.58	0.70	0.310	(0.320)	0.270	0.040
116	9.67	0.70	0.310	(0.319)	0.270	0.040
117	9.75	0.70	0.310	(0.317)	0.270	0.040
118	9.83	0.73	0.325	(0.316)	0.283	0.042
119	9.92	0.73	0.325	(0.314)	0.283	0.042
120	10.00	0.73	0.325	(0.313)	0.283	0.042
121	10.08	0.50	0.222	(0.311)	0.193	0.029
122	10.17	0.50	0.222	(0.310)	0.193	0.029
123	10.25	0.50	0.222	(0.308)	0.193	0.029
124	10.33	0.50	0.222	(0.307)	0.193	0.029
125	10.42	0.50	0.222	(0.305)	0.193	0.029
126	10.50	0.50	0.222	(0.304)	0.193	0.029
127	10.58	0.67	0.295	(0.302)	0.257	0.038
128	10.67	0.67	0.295	(0.301)	0.257	0.038
129	10.75	0.67	0.295	(0.299)	0.257	0.038
130	10.83	0.67	0.295	(0.298)	0.257	0.038
131	10.92	0.67	0.295	(0.296)	0.257	0.038
132	11.00	0.67	0.295	(0.295)	0.257	0.038
133	11.08	0.63	0.281	(0.293)	0.244	0.036
134	11.17	0.63	0.281	(0.292)	0.244	0.036
135	11.25	0.63	0.281	(0.291)	0.244	0.036
136	11.33	0.63	0.281	(0.289)	0.244	0.036
137	11.42	0.63	0.281	(0.288)	0.244	0.036
138	11.50	0.63	0.281	(0.286)	0.244	0.036
139	11.58	0.57	0.251	(0.285)	0.218	0.033
140	11.67	0.57	0.251	(0.283)	0.218	0.033
141	11.75	0.57	0.251	(0.282)	0.218	0.033
142	11.83	0.60	0.266	(0.281)	0.231	0.035
143	11.92	0.60	0.266	(0.279)	0.231	0.035
144	12.00	0.60	0.266	(0.278)	0.231	0.035
145	12.08	0.83	0.369	0.276 (0.321)		0.093
146	12.17	0.83	0.369	0.275 (0.321)		0.094
147	12.25	0.83	0.369	0.274 (0.321)		0.096
148	12.33	0.87	0.384	0.272 (0.334)		0.112
149	12.42	0.87	0.384	0.271 (0.334)		0.113
150	12.50	0.87	0.384	0.270 (0.334)		0.114
151	12.58	0.93	0.414	0.268 (0.360)		0.145
152	12.67	0.93	0.414	0.267 (0.360)		0.147
153	12.75	0.93	0.414	0.266 (0.360)		0.148
154	12.83	0.97	0.428	0.264 (0.373)		0.164
155	12.92	0.97	0.428	0.263 (0.373)		0.166
156	13.00	0.97	0.428	0.262 (0.373)		0.167
157	13.08	1.13	0.502	0.260 (0.437)		0.242
158	13.17	1.13	0.502	0.259 (0.437)		0.243
159	13.25	1.13	0.502	0.258 (0.437)		0.245
160	13.33	1.13	0.502	0.256 (0.437)		0.246
161	13.42	1.13	0.502	0.255 (0.437)		0.247
162	13.50	1.13	0.502	0.254 (0.437)		0.249
163	13.58	0.77	0.340	0.252 (0.296)		0.087
164	13.67	0.77	0.340	0.251 (0.296)		0.089
165	13.75	0.77	0.340	0.250 (0.296)		0.090
166	13.83	0.77	0.340	0.249 (0.296)		0.091
167	13.92	0.77	0.340	0.247 (0.296)		0.092
168	14.00	0.77	0.340	0.246 (0.296)		0.094
169	14.08	0.90	0.399	0.245 (0.347)		0.154
170	14.17	0.90	0.399	0.244 (0.347)		0.155
171	14.25	0.90	0.399	0.242 (0.347)		0.157
172	14.33	0.87	0.384	0.241 (0.334)		0.143
173	14.42	0.87	0.384	0.240 (0.334)		0.144
174	14.50	0.87	0.384	0.239 (0.334)		0.146
175	14.58	0.87	0.384	0.237 (0.334)		0.147
176	14.67	0.87	0.384	0.236 (0.334)		0.148
177	14.75	0.87	0.384	0.235 (0.334)		0.149
178	14.83	0.83	0.369	0.234 (0.321)		0.136
179	14.92	0.83	0.369	0.233 (0.321)		0.137

Glen Ivy Senior Living ATTACHMENT C – Inflow Hydrographs

180	15.00	0.83	0.369	0.231	(0.321)	0.138
181	15.08	0.80	0.355	0.230	(0.308)	0.124
182	15.17	0.80	0.355	0.229	(0.308)	0.126
183	15.25	0.80	0.355	0.228	(0.308)	0.127
184	15.33	0.77	0.340	0.227	(0.296)	0.113
185	15.42	0.77	0.340	0.225	(0.296)	0.114
186	15.50	0.77	0.340	0.224	(0.296)	0.115
187	15.58	0.63	0.281	0.223	(0.244)	0.058
188	15.67	0.63	0.281	0.222	(0.244)	0.059
189	15.75	0.63	0.281	0.221	(0.244)	0.060
190	15.83	0.63	0.281	0.220	(0.244)	0.061
191	15.92	0.63	0.281	0.219	(0.244)	0.062
192	16.00	0.63	0.281	0.218	(0.244)	0.063
193	16.08	0.13	0.059	(0.216)	0.051	0.008
194	16.17	0.13	0.059	(0.215)	0.051	0.008
195	16.25	0.13	0.059	(0.214)	0.051	0.008
196	16.33	0.13	0.059	(0.213)	0.051	0.008
197	16.42	0.13	0.059	(0.212)	0.051	0.008
198	16.50	0.13	0.059	(0.211)	0.051	0.008
199	16.58	0.10	0.044	(0.210)	0.039	0.006
200	16.67	0.10	0.044	(0.209)	0.039	0.006
201	16.75	0.10	0.044	(0.208)	0.039	0.006
202	16.83	0.10	0.044	(0.207)	0.039	0.006
203	16.92	0.10	0.044	(0.206)	0.039	0.006
204	17.00	0.10	0.044	(0.205)	0.039	0.006
205	17.08	0.17	0.074	(0.204)	0.064	0.010
206	17.17	0.17	0.074	(0.203)	0.064	0.010
207	17.25	0.17	0.074	(0.202)	0.064	0.010
208	17.33	0.17	0.074	(0.200)	0.064	0.010
209	17.42	0.17	0.074	(0.199)	0.064	0.010
210	17.50	0.17	0.074	(0.198)	0.064	0.010
211	17.58	0.17	0.074	(0.198)	0.064	0.010
212	17.67	0.17	0.074	(0.197)	0.064	0.010
213	17.75	0.17	0.074	(0.196)	0.064	0.010
214	17.83	0.13	0.059	(0.195)	0.051	0.008
215	17.92	0.13	0.059	(0.194)	0.051	0.008
216	18.00	0.13	0.059	(0.193)	0.051	0.008
217	18.08	0.13	0.059	(0.192)	0.051	0.008
218	18.17	0.13	0.059	(0.191)	0.051	0.008
219	18.25	0.13	0.059	(0.190)	0.051	0.008
220	18.33	0.13	0.059	(0.189)	0.051	0.008
221	18.42	0.13	0.059	(0.188)	0.051	0.008
222	18.50	0.13	0.059	(0.187)	0.051	0.008
223	18.58	0.10	0.044	(0.186)	0.039	0.006
224	18.67	0.10	0.044	(0.185)	0.039	0.006
225	18.75	0.10	0.044	(0.184)	0.039	0.006
226	18.83	0.07	0.030	(0.183)	0.026	0.004
227	18.92	0.07	0.030	(0.183)	0.026	0.004
228	19.00	0.07	0.030	(0.182)	0.026	0.004
229	19.08	0.10	0.044	(0.181)	0.039	0.006
230	19.17	0.10	0.044	(0.180)	0.039	0.006
231	19.25	0.10	0.044	(0.179)	0.039	0.006
232	19.33	0.13	0.059	(0.178)	0.051	0.008
233	19.42	0.13	0.059	(0.178)	0.051	0.008
234	19.50	0.13	0.059	(0.177)	0.051	0.008
235	19.58	0.10	0.044	(0.176)	0.039	0.006
236	19.67	0.10	0.044	(0.175)	0.039	0.006
237	19.75	0.10	0.044	(0.174)	0.039	0.006
238	19.83	0.07	0.030	(0.174)	0.026	0.004
239	19.92	0.07	0.030	(0.173)	0.026	0.004
240	20.00	0.07	0.030	(0.172)	0.026	0.004
241	20.08	0.10	0.044	(0.171)	0.039	0.006
242	20.17	0.10	0.044	(0.170)	0.039	0.006
243	20.25	0.10	0.044	(0.170)	0.039	0.006
244	20.33	0.10	0.044	(0.169)	0.039	0.006
245	20.42	0.10	0.044	(0.168)	0.039	0.006
246	20.50	0.10	0.044	(0.168)	0.039	0.006
247	20.58	0.10	0.044	(0.167)	0.039	0.006
248	20.67	0.10	0.044	(0.166)	0.039	0.006
249	20.75	0.10	0.044	(0.165)	0.039	0.006
250	20.83	0.07	0.030	(0.165)	0.026	0.004
251	20.92	0.07	0.030	(0.164)	0.026	0.004

Glen Ivy Senior Living

ATTACHMENT C – Inflow Hydrographs

252	21.00	0.07	0.030	(0.163)	0.026	0.004
253	21.08	0.10	0.044	(0.163)	0.039	0.006
254	21.17	0.10	0.044	(0.162)	0.039	0.006
255	21.25	0.10	0.044	(0.162)	0.039	0.006
256	21.33	0.07	0.030	(0.161)	0.026	0.004
257	21.42	0.07	0.030	(0.160)	0.026	0.004
258	21.50	0.07	0.030	(0.160)	0.026	0.004
259	21.58	0.10	0.044	(0.159)	0.039	0.006
260	21.67	0.10	0.044	(0.159)	0.039	0.006
261	21.75	0.10	0.044	(0.158)	0.039	0.006
262	21.83	0.07	0.030	(0.157)	0.026	0.004
263	21.92	0.07	0.030	(0.157)	0.026	0.004
264	22.00	0.07	0.030	(0.156)	0.026	0.004
265	22.08	0.10	0.044	(0.156)	0.039	0.006
266	22.17	0.10	0.044	(0.155)	0.039	0.006
267	22.25	0.10	0.044	(0.155)	0.039	0.006
268	22.33	0.07	0.030	(0.154)	0.026	0.004
269	22.42	0.07	0.030	(0.154)	0.026	0.004
270	22.50	0.07	0.030	(0.153)	0.026	0.004
271	22.58	0.07	0.030	(0.153)	0.026	0.004
272	22.67	0.07	0.030	(0.153)	0.026	0.004
273	22.75	0.07	0.030	(0.152)	0.026	0.004
274	22.83	0.07	0.030	(0.152)	0.026	0.004
275	22.92	0.07	0.030	(0.151)	0.026	0.004
276	23.00	0.07	0.030	(0.151)	0.026	0.004
277	23.08	0.07	0.030	(0.151)	0.026	0.004
278	23.17	0.07	0.030	(0.150)	0.026	0.004
279	23.25	0.07	0.030	(0.150)	0.026	0.004
280	23.33	0.07	0.030	(0.150)	0.026	0.004
281	23.42	0.07	0.030	(0.149)	0.026	0.004
282	23.50	0.07	0.030	(0.149)	0.026	0.004
283	23.58	0.07	0.030	(0.149)	0.026	0.004
284	23.67	0.07	0.030	(0.149)	0.026	0.004
285	23.75	0.07	0.030	(0.148)	0.026	0.004
286	23.83	0.07	0.030	(0.148)	0.026	0.004
287	23.92	0.07	0.030	(0.148)	0.026	0.004
288	24.00	0.07	0.030	(0.148)	0.026	0.004

(Loss Rate Not Used)

Sum = 100.0 Sum = 9.8

Flood volume = Effective rainfall 0.82(In)
times area 9.7(Ac.)/[(In)/(Ft.)] = 0.7(Ac.Ft)
Total soil loss = 2.88(In)
Total soil loss = 2.332(Ac.Ft)
Total rainfall = 3.69(In)
Flood volume = 28855.0 Cubic Feet
Total soil loss = 101593.4 Cubic Feet

Peak flow rate of this hydrograph = 2.415(CFS)

+++++

24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0001	0.01	Q				
0+10	0.0003	0.03	Q				
0+15	0.0005	0.03	Q				
0+20	0.0008	0.04	Q				
0+25	0.0011	0.05	Q				
0+30	0.0015	0.05	Q				
0+35	0.0019	0.06	Q				
0+40	0.0023	0.06	Q				
0+45	0.0026	0.06	Q				
0+50	0.0031	0.06	Q				
0+55	0.0036	0.07	Q				
1+ 0	0.0041	0.07	Q				
1+ 5	0.0045	0.07	Q				
1+10	0.0050	0.06	Q				

Glen Ivy Senior Living ATTACHMENT C – Inflow Hydrographs

1+15	0.0054	0.06	Q				
1+20	0.0058	0.06	Q				
1+25	0.0061	0.06	Q				
1+30	0.0065	0.06	Q				
1+35	0.0069	0.06	Q				
1+40	0.0073	0.06	Q				
1+45	0.0077	0.06	Q				
1+50	0.0081	0.06	Q				
1+55	0.0086	0.07	Q				
2+ 0	0.0091	0.07	Q				
2+ 5	0.0096	0.07	Q				
2+10	0.0101	0.07	Q				
2+15	0.0107	0.08	Q				
2+20	0.0112	0.08	Q				
2+25	0.0117	0.08	Q				
2+30	0.0122	0.08	Q				
2+35	0.0128	0.08	Q				
2+40	0.0134	0.09	Q				
2+45	0.0140	0.09	Q				
2+50	0.0147	0.09	Q				
2+55	0.0153	0.09	Q				
3+ 0	0.0160	0.09	Q				
3+ 5	0.0166	0.09	QV				
3+10	0.0173	0.09	QV				
3+15	0.0179	0.09	QV				
3+20	0.0186	0.09	QV				
3+25	0.0192	0.09	QV				
3+30	0.0199	0.09	QV				
3+35	0.0205	0.09	QV				
3+40	0.0211	0.09	QV				
3+45	0.0218	0.09	QV				
3+50	0.0225	0.10	QV				
3+55	0.0232	0.11	QV				
4+ 0	0.0240	0.11	QV				
4+ 5	0.0248	0.11	QV				
4+10	0.0255	0.11	QV				
4+15	0.0263	0.11	QV				
4+20	0.0271	0.12	QV				
4+25	0.0280	0.13	QV				
4+30	0.0289	0.13	QV				
4+35	0.0298	0.13	QV				
4+40	0.0307	0.13	QV				
4+45	0.0316	0.13	QV				
4+50	0.0326	0.14	QV				
4+55	0.0336	0.15	Q V				
5+ 0	0.0346	0.15	Q V				
5+ 5	0.0355	0.14	Q V				
5+10	0.0364	0.12	Q V				
5+15	0.0372	0.12	Q V				
5+20	0.0380	0.12	Q V				
5+25	0.0389	0.13	Q V				
5+30	0.0398	0.13	Q V				
5+35	0.0407	0.14	Q V				
5+40	0.0417	0.15	Q V				
5+45	0.0428	0.15	Q V				
5+50	0.0438	0.15	Q V				
5+55	0.0448	0.15	Q V				
6+ 0	0.0459	0.15	Q V				
6+ 5	0.0469	0.16	Q V				
6+10	0.0481	0.16	Q V				
6+15	0.0492	0.17	Q V				
6+20	0.0504	0.17	Q V				
6+25	0.0515	0.17	Q V				
6+30	0.0527	0.17	Q V				
6+35	0.0539	0.17	Q V				
6+40	0.0552	0.18	Q V				
6+45	0.0565	0.19	Q V				
6+50	0.0577	0.19	Q V				
6+55	0.0590	0.19	Q V				
7+ 0	0.0603	0.19	Q V				
7+ 5	0.0616	0.19	Q V				
7+10	0.0629	0.19	Q V				

Glen Ivy Senior Living ATTACHMENT C – Inflow Hydrographs

7+15	0.0642	0.19	Q	V						
7+20	0.0656	0.19	Q	V						
7+25	0.0670	0.20	Q	V						
7+30	0.0684	0.21	Q	V						
7+35	0.0698	0.21	Q	V						
7+40	0.0713	0.22	Q	V						
7+45	0.0729	0.22	Q	V						
7+50	0.0745	0.23	Q	V						
7+55	0.0761	0.24	Q	V						
8+ 0	0.0778	0.24	Q	V						
8+ 5	0.0795	0.25	IQ	V						
8+10	0.0814	0.27	IQ	V						
8+15	0.0833	0.28	IQ	V						
8+20	0.0853	0.28	IQ	V						
8+25	0.0872	0.28	IQ	V						
8+30	0.0891	0.28	IQ	V						
8+35	0.0911	0.29	IQ	V						
8+40	0.0932	0.30	IQ	V						
8+45	0.0952	0.30	IQ	V						
8+50	0.0973	0.31	IQ	V						
8+55	0.0995	0.32	IQ	V						
9+ 0	0.1017	0.32	IQ	V						
9+ 5	0.1040	0.33	IQ	V						
9+10	0.1064	0.35	IQ	V						
9+15	0.1088	0.35	IQ	V						
9+20	0.1113	0.36	IQ	V						
9+25	0.1138	0.37	IQ	V						
9+30	0.1164	0.37	IQ	V						
9+35	0.1190	0.38	IQ	V						
9+40	0.1217	0.39	IQ	V						
9+45	0.1244	0.39	IQ	V						
9+50	0.1272	0.40	IQ	V						
9+55	0.1300	0.41	IQ	V						
10+ 0	0.1328	0.41	IQ	V						
10+ 5	0.1354	0.38	IQ	V						
10+10	0.1376	0.31	IQ	V						
10+15	0.1397	0.30	IQ	V						
10+20	0.1417	0.29	IQ	V						
10+25	0.1436	0.29	IQ	V						
10+30	0.1456	0.28	IQ	V						
10+35	0.1477	0.31	IQ	V						
10+40	0.1501	0.35	IQ	V						
10+45	0.1527	0.37	IQ	V						
10+50	0.1552	0.37	IQ	V						
10+55	0.1578	0.37	IQ	V						
11+ 0	0.1604	0.38	IQ	V						
11+ 5	0.1629	0.37	IQ	V						
11+10	0.1654	0.36	IQ	V						
11+15	0.1679	0.36	IQ	V						
11+20	0.1704	0.36	IQ	V						
11+25	0.1729	0.36	IQ	V						
11+30	0.1753	0.36	IQ	V						
11+35	0.1777	0.35	IQ	V						
11+40	0.1800	0.33	IQ	V						
11+45	0.1822	0.32	IQ	V						
11+50	0.1845	0.33	IQ	V						
11+55	0.1868	0.34	IQ	V						
12+ 0	0.1891	0.34	IQ	V						
12+ 5	0.1925	0.49	IQ	V						
12+10	0.1978	0.77	IQ	V						
12+15	0.2037	0.86	IQ	V						
12+20	0.2102	0.94	IQ	V						
12+25	0.2174	1.04	IQ	V						
12+30	0.2248	1.08	IQ	V						
12+35	0.2330	1.19	IQ	V						
12+40	0.2423	1.35	IQ	V						
12+45	0.2519	1.40	IQ	V						
12+50	0.2621	1.47	IQ	V						
12+55	0.2728	1.56	IQ	V						
13+ 0	0.2839	1.60	IQ	V						
13+ 5	0.2964	1.82	IQ	V						
13+10	0.3115	2.19	IQ	V						

Glen Ivy Senior Living ATTACHMENT C – Inflow Hydrographs

13+15	0.3273	2.30		Q	V		
13+20	0.3435	2.35		Q	V		
13+25	0.3599	2.39		Q	V		
13+30	0.3766	2.42		Q	V		
13+35	0.3904	2.01		Q	V		
13+40	0.3991	1.25		Q	V		
13+45	0.4063	1.06		Q	V		
13+50	0.4131	0.98		Q	V		
13+55	0.4195	0.94		Q	V		
14+ 0	0.4259	0.92		Q	V		
14+ 5	0.4333	1.07		Q	V		
14+10	0.4427	1.37		Q	V		
14+15	0.4527	1.45		Q	V		
14+20	0.4627	1.46		Q	V		
14+25	0.4725	1.42		Q	V		
14+30	0.4823	1.42		Q	V		
14+35	0.4922	1.43		Q	V		
14+40	0.5021	1.44		Q	V		
14+45	0.5121	1.45		Q	V		
14+50	0.5219	1.42		Q	V		
14+55	0.5313	1.36		Q	V		
15+ 0	0.5407	1.36		Q	V		
15+ 5	0.5498	1.32		Q	V		
15+10	0.5584	1.26		Q	V		
15+15	0.5670	1.25		Q	V		
15+20	0.5754	1.21		Q	V		
15+25	0.5833	1.15		Q	V		
15+30	0.5911	1.14		Q	V		
15+35	0.5979	0.99		Q	V		
15+40	0.6028	0.71		Q	V		
15+45	0.6073	0.64		Q	V		
15+50	0.6115	0.62		Q	V		
15+55	0.6157	0.61		Q	V		
16+ 0	0.6200	0.61		Q	V		
16+ 5	0.6232	0.47		Q	V		
16+10	0.6246	0.21	Q				V
16+15	0.6256	0.14	Q				V
16+20	0.6263	0.11	Q				V
16+25	0.6270	0.09	Q				V
16+30	0.6275	0.08	Q				V
16+35	0.6280	0.07	Q				V
16+40	0.6284	0.06	Q				V
16+45	0.6288	0.06	Q				V
16+50	0.6292	0.06	Q				V
16+55	0.6296	0.06	Q				V
17+ 0	0.6300	0.06	Q				V
17+ 5	0.6305	0.07	Q				V
17+10	0.6311	0.08	Q				V
17+15	0.6317	0.09	Q				V
17+20	0.6323	0.09	Q				V
17+25	0.6330	0.09	Q				V
17+30	0.6336	0.09	Q				V
17+35	0.6343	0.09	Q				V
17+40	0.6349	0.09	Q				V
17+45	0.6356	0.09	Q				V
17+50	0.6362	0.09	Q				V
17+55	0.6367	0.08	Q				V
18+ 0	0.6373	0.08	Q				V
18+ 5	0.6378	0.08	Q				V
18+10	0.6383	0.08	Q				V
18+15	0.6388	0.08	Q				V
18+20	0.6393	0.08	Q				V
18+25	0.6399	0.08	Q				V
18+30	0.6404	0.08	Q				V
18+35	0.6409	0.07	Q				V
18+40	0.6413	0.06	Q				V
18+45	0.6417	0.06	Q				V
18+50	0.6421	0.05	Q				V
18+55	0.6424	0.04	Q				V
19+ 0	0.6426	0.04	Q				V
19+ 5	0.6429	0.04	Q				V
19+10	0.6433	0.05	Q				V

Glen Ivy Senior Living ATTACHMENT C – Inflow Hydrographs

19+15	0.6437	0.05	Q				V	
19+20	0.6441	0.06	Q				V	
19+25	0.6446	0.07	Q				V	
19+30	0.6451	0.07	Q				V	
19+35	0.6455	0.07	Q				V	
19+40	0.6460	0.06	Q				V	
19+45	0.6464	0.06	Q				V	
19+50	0.6467	0.05	Q				V	
19+55	0.6470	0.04	Q				V	
20+ 0	0.6473	0.04	Q				V	
20+ 5	0.6476	0.04	Q				V	
20+10	0.6480	0.05	Q				V	
20+15	0.6483	0.05	Q				V	
20+20	0.6487	0.06	Q				V	
20+25	0.6491	0.06	Q				V	
20+30	0.6495	0.06	Q				V	
20+35	0.6499	0.06	Q				V	
20+40	0.6503	0.06	Q				V	
20+45	0.6507	0.06	Q				V	
20+50	0.6510	0.05	Q				V	
20+55	0.6513	0.04	Q				V	
21+ 0	0.6516	0.04	Q				V	
21+ 5	0.6519	0.04	Q				V	
21+10	0.6522	0.05	Q				V	
21+15	0.6526	0.05	Q				V	
21+20	0.6530	0.05	Q				V	
21+25	0.6533	0.04	Q				V	
21+30	0.6535	0.04	Q				V	
21+35	0.6538	0.04	Q				V	
21+40	0.6542	0.05	Q				V	
21+45	0.6546	0.05	Q				V	
21+50	0.6549	0.05	Q				V	
21+55	0.6552	0.04	Q				V	
22+ 0	0.6555	0.04	Q				V	
22+ 5	0.6558	0.04	Q				V	
22+10	0.6561	0.05	Q				V	
22+15	0.6565	0.05	Q				V	
22+20	0.6569	0.05	Q				V	
22+25	0.6571	0.04	Q				V	
22+30	0.6574	0.04	Q				V	
22+35	0.6577	0.04	Q				V	
22+40	0.6580	0.04	Q				V	
22+45	0.6582	0.04	Q				V	
22+50	0.6585	0.04	Q				V	
22+55	0.6587	0.04	Q				V	
23+ 0	0.6590	0.04	Q				V	
23+ 5	0.6593	0.04	Q				V	
23+10	0.6595	0.04	Q				V	
23+15	0.6598	0.04	Q				V	
23+20	0.6600	0.04	Q				V	
23+25	0.6603	0.04	Q				V	
23+30	0.6606	0.04	Q				V	
23+35	0.6608	0.04	Q				V	
23+40	0.6611	0.04	Q				V	
23+45	0.6613	0.04	Q				V	
23+50	0.6616	0.04	Q				V	
23+55	0.6618	0.04	Q				V	
24+ 0	0.6621	0.04	Q				V	
24+ 5	0.6623	0.03	Q				V	
24+10	0.6624	0.01	Q				V	
24+15	0.6624	0.00	Q				V	
24+20	0.6624	0.00	Q				V	
24+25	0.6624	0.00	Q				V	
24+30	0.6624	0.00	Q				V	

Glen Ivy Senior Living

ATTACHMENT C – Inflow Hydrographs

U n i t H y d r o g r a p h A n a l y s i s

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Study date 08/18/20 File: sh10pr110.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 4029

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Glen Ivy Senior Living
Inflow Hydrograph Calculations
Proposed Condition
10-year 1-hour storm

Drainage Area = 9.73 (Ac.) = 0.015 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 9.73 (Ac.) = 0.015 Sq. Mi.
Length along longest watercourse = 1323.00 (Ft.)
Length along longest watercourse measured to centroid = 593.00 (Ft.)
Length along longest watercourse = 0.251 Mi.
Length along longest watercourse measured to centroid = 0.112 Mi.
Difference in elevation = 20.80 (Ft.)
Slope along watercourse = 83.0113 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.040 Hr.
Lag time = 2.40 Min.
25% of lag time = 0.60 Min.
40% of lag time = 0.96 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00 (CFS)

2 YEAR Area rainfall data:

Area (Ac.) [1]	Rainfall (In) [2]	Weighting [1*2]
9.73	0.51	4.98

100 YEAR Area rainfall data:

Area (Ac.) [1]	Rainfall (In) [2]	Weighting [1*2]
9.73	1.43	13.91

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 0.512 (In)
Area Averaged 100-Year Rainfall = 1.430 (In)

Point rain (area averaged) = 0.890 (In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 0.890 (In)

Sub-Area Data:
Area (Ac.) Runoff Index Impervious %
9.730 65.00 0.900

Glen Ivy Senior Living ATTACHMENT C – Inflow Hydrographs

Total Area Entered = 9.73(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-2	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
65.0	65.0	0.416	0.900	0.079	1.000	0.079
Sum (F) =						0.079

Area averaged mean soil loss (F) (In/Hr) = 0.079
 Minimum soil loss rate ((In/Hr)) = 0.040
 (for 24 hour storm duration)
 Soil low loss rate (decimal) = 0.180

 Slope of intensity-duration curve for a 1 hour storm =0.4800

U n i t H y d r o g r a p h VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	208.162	44.777
2	0.167	416.323	42.802
3	0.250	624.485	8.471
4	0.333	832.646	3.950
Sum =		100.000	Sum= 9.806

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	4.40	0.470	(0.085)	0.391
2	0.17	4.50	0.480	(0.086)	0.401
3	0.25	5.40	0.576	(0.104)	0.497
4	0.33	5.40	0.576	(0.104)	0.497
5	0.42	5.70	0.608	(0.110)	0.529
6	0.50	6.40	0.683	(0.123)	0.604
7	0.58	7.90	0.843	(0.152)	0.764
8	0.67	9.10	0.971	(0.175)	0.892
9	0.75	12.80	1.366	(0.246)	1.287
10	0.83	7.90	2.733	(0.492)	2.654
11	0.92	7.90	0.843	(0.152)	0.764
12	1.00	4.90	0.523	(0.094)	0.444

(Loss Rate Not Used)
 Sum = 100.0 Sum = 9.7

Flood volume = Effective rainfall 0.81(In)
 times area 9.7(Ac.)/[(In)/(Ft.)] = 0.7(Ac.Ft)
 Total soil loss = 0.08(In)
 Total soil loss = 0.064(Ac.Ft)
 Total rainfall = 0.89(In)
 Flood volume = 28628.7 Cubic Feet
 Total soil loss = 2791.7 Cubic Feet

Peak flow rate of this hydrograph = 18.102(CFS)

+ + + + + 1 - H O U R S T O R M R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time (h+m)	Volume Ac.Ft	Q(CFS)	0	5.0	10.0	15.0	20.0
0+ 5	0.0118	1.72	V	Q			
0+10	0.0353	3.40		V	Q		
0+15	0.0642	4.20		V	Q		

Glen Ivy Senior Living ATTACHMENT C – Inflow Hydrographs

0+20	0.0969	4.76		v	Q				
0+25	0.1313	4.98			v	Q			
0+30	0.1690	5.48				Q			
0+35	0.2140	6.53					Q		
0+40	0.2679	7.84					Qv		
0+45	0.3387	10.27						Q	
0+50	0.4634	18.10							v
0+55	0.5730	15.92							Q
1+ 0	0.6272	7.86				Q			Q
1+ 5	0.6515	3.53			Q				v
1+10	0.6560	0.67		Q					v
1+15	0.6572	0.17		Q					v

Glen Ivy Senior Living

ATTACHMENT C – Inflow Hydrographs

U n i t H y d r o g r a p h A n a l y s i s

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Study date 08/18/20 File: sh10pr310.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 4029

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Glen Ivy Senior Living
Inflow Hydrograph Calculations
Proposed Condition
10-year 3-hour storm

Drainage Area = 9.73(Ac.) = 0.015 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 9.73(Ac.) = 0.015 Sq. Mi.
Length along longest watercourse = 1323.00(Ft.)
Length along longest watercourse measured to centroid = 593.00(Ft.)
Length along longest watercourse = 0.251 Mi.
Length along longest watercourse measured to centroid = 0.112 Mi.
Difference in elevation = 20.80(Ft.)
Slope along watercourse = 83.0113 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.040 Hr.
Lag time = 2.40 Min.
25% of lag time = 0.60 Min.
40% of lag time = 0.96 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.) [1]	Rainfall(In) [2]	Weighting[1*2]
9.73	0.88	8.60

100 YEAR Area rainfall data:

Area(Ac.) [1]	Rainfall(In) [2]	Weighting[1*2]
9.73	2.28	22.18

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 0.884(In)
Area Averaged 100-Year Rainfall = 2.280(In)

Point rain (area averaged) = 1.458(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 1.458(In)

Sub-Area Data:
Area(Ac.) Runoff Index Impervious %
9.730 65.00 0.900

Glen Ivy Senior Living

ATTACHMENT C – Inflow Hydrographs

Total Area Entered = 9.73 (Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-2	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
65.0	65.0	0.416	0.900	0.079	1.000	0.079
						Sum (F) = 0.079

Area averaged mean soil loss (F) (In/Hr) = 0.079
 Minimum soil loss rate ((In/Hr)) = 0.040
 (for 24 hour storm duration)
 Soil low loss rate (decimal) = 0.180

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	208.162	44.777
2	0.167	416.323	42.802
3	0.250	624.485	8.471
4	0.333	832.646	3.950
		Sum = 100.000	Sum= 9.806

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
			Max	Low	
1	0.08	1.30	(0.079)	0.041	0.187
2	0.17	1.30	(0.079)	0.041	0.187
3	0.25	1.10	(0.079)	0.035	0.158
4	0.33	1.50	(0.079)	0.047	0.215
5	0.42	1.50	(0.079)	0.047	0.215
6	0.50	1.80	(0.079)	0.057	0.258
7	0.58	1.50	(0.079)	0.047	0.215
8	0.67	1.80	(0.079)	0.057	0.258
9	0.75	1.80	(0.079)	0.057	0.258
10	0.83	1.50	(0.079)	0.047	0.215
11	0.92	1.60	(0.079)	0.050	0.230
12	1.00	1.80	(0.079)	0.057	0.258
13	1.08	2.20	(0.079)	0.069	0.316
14	1.17	2.20	(0.079)	0.069	0.316
15	1.25	2.20	(0.079)	0.069	0.316
16	1.33	2.00	(0.079)	0.063	0.287
17	1.42	2.60	0.079	(0.082)	0.376
18	1.50	2.70	0.079	(0.085)	0.393
19	1.58	2.40	(0.079)	0.076	0.344
20	1.67	2.70	0.079	(0.085)	0.393
21	1.75	3.30	0.079	(0.104)	0.498
22	1.83	3.10	0.079	(0.098)	0.463
23	1.92	2.90	0.079	(0.091)	0.428
24	2.00	3.00	0.079	(0.094)	0.446
25	2.08	3.10	0.079	(0.098)	0.463
26	2.17	4.20	0.735	(0.132)	0.656
27	2.25	5.00	0.875	(0.157)	0.796
28	2.33	3.50	0.612	(0.110)	0.533
29	2.42	6.80	1.190	(0.214)	1.111
30	2.50	7.30	1.277	(0.230)	1.198
31	2.58	8.20	1.435	(0.258)	1.356
32	2.67	5.90	1.032	(0.186)	0.953
33	2.75	2.00	0.350	(0.079)	0.287
34	2.83	1.80	0.315	(0.079)	0.258
35	2.92	1.80	0.315	(0.079)	0.258
36	3.00	0.60	0.105	(0.079)	0.086
(Loss Rate Not Used)					
Sum =	100.0			Sum =	15.2

Glen Ivy Senior Living

ATTACHMENT C – Inflow Hydrographs

Flood volume = Effective rainfall 1.27(In)
 times area 9.7 (Ac.) / [(In) / (Ft.)] = 1.0 (Ac.Ft)
 Total soil loss = 0.19 (In)
 Total soil loss = 0.156 (Ac.Ft)
 Total rainfall = 1.46 (In)
 Flood volume = 44706.4 Cubic Feet
 Total soil loss = 6799.4 Cubic Feet

Peak flow rate of this hydrograph = 12.119 (CFS)

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 3 - H O U R S T O R M
 R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time (h+m)	Volume Ac.Ft	Q (CFS)	0	5.0	10.0	15.0	20.0
0+ 5	0.0056	0.82	VQ				
0+10	0.0167	1.60	V Q				
0+15	0.0279	1.63	V Q				
0+20	0.0406	1.84	V Q				
0+25	0.0547	2.05	V Q				
0+30	0.0704	2.28	V Q				
0+35	0.0862	2.29	VQ				
0+40	0.1023	2.34	VQ				
0+45	0.1195	2.50	Q				
0+50	0.1355	2.33	QV				
0+55	0.1509	2.23	QV				
1+ 0	0.1672	2.38	Q V				
1+ 5	0.1861	2.75	Q V				
1+10	0.2069	3.02	Q V				
1+15	0.2281	3.07	Q V				
1+20	0.2486	2.97	Q V				
1+25	0.2709	3.24	Q V				
1+30	0.2961	3.67	Q V				
1+35	0.3209	3.59	Q V				
1+40	0.3460	3.65	Q V				
1+45	0.3755	4.28	Q V				
1+50	0.4071	4.59	Q V				
1+55	0.4373	4.39	Q V				
2+ 0	0.4672	4.34	Q V				
2+ 5	0.4978	4.44	Q V				
2+10	0.5347	5.36	Q V				
2+15	0.5816	6.81	Q V				
2+20	0.6258	6.41	Q V				
2+25	0.6811	8.04	Q V				
2+30	0.7547	10.68	Q V				
2+35	0.8382	12.12	Q V				
2+40	0.9160	11.31	Q V				
2+45	0.9633	6.86	Q V				
2+50	0.9885	3.66	Q V				
2+55	1.0079	2.83	Q V				
3+ 0	1.0202	1.79	Q V				
3+ 5	1.0249	0.68	Q V				
3+10	1.0261	0.17	Q V				
3+15	1.0263	0.03	Q V				

Glen Ivy Senior Living

ATTACHMENT C – Inflow Hydrographs

U n i t H y d r o g r a p h A n a l y s i s

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Study date 08/18/20 File: sh10pr610.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 4029

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Glen Ivy Senior Living
Inflow Hydrograph Calculations
Proposed Condition
10-year 6-hour storm

Drainage Area = 9.73(Ac.) = 0.015 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 9.73(Ac.) = 0.015 Sq. Mi.
Length along longest watercourse = 1323.00(Ft.)
Length along longest watercourse measured to centroid = 593.00(Ft.)
Length along longest watercourse = 0.251 Mi.
Length along longest watercourse measured to centroid = 0.112 Mi.
Difference in elevation = 20.80(Ft.)
Slope along watercourse = 83.0113 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.040 Hr.
Lag time = 2.40 Min.
25% of lag time = 0.60 Min.
40% of lag time = 0.96 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.) [1]	Rainfall(In) [2]	Weighting[1*2]
9.73	1.23	11.97

100 YEAR Area rainfall data:

Area(Ac.) [1]	Rainfall(In) [2]	Weighting[1*2]
9.73	3.12	30.36

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 1.230(In)
Area Averaged 100-Year Rainfall = 3.120(In)

Point rain (area averaged) = 2.008(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 2.007(In)

Sub-Area Data:
Area(Ac.) Runoff Index Impervious %

Glen Ivy Senior Living

ATTACHMENT C – Inflow Hydrographs

9.730 65.00 0.900
 Total Area Entered = 9.73 (Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-2	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
65.0	65.0	0.416	0.900	0.079	1.000	0.079
						Sum (F) = 0.079

Area averaged mean soil loss (F) (In/Hr) = 0.079
 Minimum soil loss rate ((In/Hr)) = 0.040
 (for 24 hour storm duration)
 Soil low loss rate (decimal) = 0.180

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	208.162	44.777
2	0.167	416.323	42.802
3	0.250	624.485	8.471
4	0.333	832.646	3.950
		Sum = 100.000	Sum= 9.806

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr)		Effective (In/Hr)
			Max	Low	
1	0.08	0.50	(0.079)	0.022	0.099
2	0.17	0.60	(0.079)	0.026	0.119
3	0.25	0.60	(0.079)	0.026	0.119
4	0.33	0.60	(0.079)	0.026	0.119
5	0.42	0.60	(0.079)	0.026	0.119
6	0.50	0.70	(0.079)	0.030	0.138
7	0.58	0.70	(0.079)	0.030	0.138
8	0.67	0.70	(0.079)	0.030	0.138
9	0.75	0.70	(0.079)	0.030	0.138
10	0.83	0.70	(0.079)	0.030	0.138
11	0.92	0.70	(0.079)	0.030	0.138
12	1.00	0.80	(0.079)	0.035	0.158
13	1.08	0.80	(0.079)	0.035	0.158
14	1.17	0.80	(0.079)	0.035	0.158
15	1.25	0.80	(0.079)	0.035	0.158
16	1.33	0.80	(0.079)	0.035	0.158
17	1.42	0.80	(0.079)	0.035	0.158
18	1.50	0.80	(0.079)	0.035	0.158
19	1.58	0.80	(0.079)	0.035	0.158
20	1.67	0.80	(0.079)	0.035	0.158
21	1.75	0.80	(0.079)	0.035	0.158
22	1.83	0.80	(0.079)	0.035	0.158
23	1.92	0.80	(0.079)	0.035	0.158
24	2.00	0.90	(0.079)	0.039	0.178
25	2.08	0.80	(0.079)	0.035	0.158
26	2.17	0.90	(0.079)	0.039	0.178
27	2.25	0.90	(0.079)	0.039	0.178
28	2.33	0.90	(0.079)	0.039	0.178
29	2.42	0.90	(0.079)	0.039	0.178
30	2.50	0.90	(0.079)	0.039	0.178
31	2.58	0.90	(0.079)	0.039	0.178
32	2.67	0.90	(0.079)	0.039	0.178
33	2.75	1.00	(0.079)	0.043	0.198
34	2.83	1.00	(0.079)	0.043	0.198
35	2.92	1.00	(0.079)	0.043	0.198
36	3.00	1.00	(0.079)	0.043	0.198
37	3.08	1.00	(0.079)	0.043	0.198

Glen Ivy Senior Living ATTACHMENT C – Inflow Hydrographs

38	3.17	1.10	0.265	(0.079)	0.048	0.217
39	3.25	1.10	0.265	(0.079)	0.048	0.217
40	3.33	1.10	0.265	(0.079)	0.048	0.217
41	3.42	1.20	0.289	(0.079)	0.052	0.237
42	3.50	1.30	0.313	(0.079)	0.056	0.257
43	3.58	1.40	0.337	(0.079)	0.061	0.277
44	3.67	1.40	0.337	(0.079)	0.061	0.277
45	3.75	1.50	0.361	(0.079)	0.065	0.296
46	3.83	1.50	0.361	(0.079)	0.065	0.296
47	3.92	1.60	0.385	(0.079)	0.069	0.316
48	4.00	1.60	0.385	(0.079)	0.069	0.316
49	4.08	1.70	0.410	(0.079)	0.074	0.336
50	4.17	1.80	0.434	(0.079)	0.078	0.356
51	4.25	1.90	0.458	0.079	(0.082)	0.379
52	4.33	2.00	0.482	0.079	(0.087)	0.403
53	4.42	2.10	0.506	0.079	(0.091)	0.427
54	4.50	2.10	0.506	0.079	(0.091)	0.427
55	4.58	2.20	0.530	0.079	(0.095)	0.451
56	4.67	2.30	0.554	0.079	(0.100)	0.475
57	4.75	2.40	0.578	0.079	(0.104)	0.499
58	4.83	2.40	0.578	0.079	(0.104)	0.499
59	4.92	2.50	0.602	0.079	(0.108)	0.523
60	5.00	2.60	0.626	0.079	(0.113)	0.547
61	5.08	3.10	0.747	0.079	(0.134)	0.668
62	5.17	3.60	0.867	0.079	(0.156)	0.788
63	5.25	3.90	0.940	0.079	(0.169)	0.860
64	5.33	4.20	1.012	0.079	(0.182)	0.933
65	5.42	4.70	1.132	0.079	(0.204)	1.053
66	5.50	5.60	1.349	0.079	(0.243)	1.270
67	5.58	1.90	0.458	0.079	(0.082)	0.379
68	5.67	0.90	0.217	(0.079)	0.039	0.178
69	5.75	0.60	0.145	(0.079)	0.026	0.119
70	5.83	0.50	0.120	(0.079)	0.022	0.099
71	5.92	0.30	0.072	(0.079)	0.013	0.059
72	6.00	0.20	0.048	(0.079)	0.009	0.040

(Loss Rate Not Used)

Sum = 100.0 Sum = 20.6

Flood volume = Effective rainfall 1.71(In)
times area 9.7(Ac.)/[(In)/(Ft.)] = 1.4(Ac.Ft)
Total soil loss = 0.29(In)
Total soil loss = 0.239(Ac.Ft)
Total rainfall = 2.01(In)
Flood volume = 60504.4 Cubic Feet
Total soil loss = 10400.1 Cubic Feet

Peak flow rate of this hydrograph = 11.111 (CFS)

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6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	5.0	10.0	15.0	20.0
0+ 5	0.0030	0.43	Q				
0+10	0.0094	0.94	VQ				
0+15	0.0170	1.10	V Q				
0+20	0.0250	1.16	V Q				
0+25	0.0330	1.16	V Q				
0+30	0.0416	1.25	VQ				
0+35	0.0508	1.33	VQ				
0+40	0.0600	1.35	VQ				
0+45	0.0694	1.36	VQ				
0+50	0.0787	1.36	Q				
0+55	0.0881	1.36	Q				
1+ 0	0.0980	1.44	Q				
1+ 5	0.1085	1.53	Q				
1+10	0.1192	1.54	Q				
1+15	0.1298	1.55	Q				
1+20	0.1405	1.55	QV				

Glen Ivy Senior Living ATTACHMENT C – Inflow Hydrographs

1+25	0.1512	1.55	QV						
1+30	0.1619	1.55	QV						
1+35	0.1725	1.55	QV						
1+40	0.1832	1.55	Q V						
1+45	0.1939	1.55	Q V						
1+50	0.2046	1.55	Q V						
1+55	0.2153	1.55	Q V						
2+ 0	0.2265	1.64	Q V						
2+ 5	0.2378	1.63	Q V						
2+10	0.2492	1.65	Q V						
2+15	0.2611	1.73	Q V						
2+20	0.2730	1.74	Q V						
2+25	0.2850	1.74	Q V						
2+30	0.2971	1.74	Q V						
2+35	0.3091	1.74	Q V						
2+40	0.3211	1.74	Q V						
2+45	0.3337	1.83	Q V						
2+50	0.3469	1.91	Q V						
2+55	0.3602	1.93	Q V						
3+ 0	0.3735	1.94	Q V						
3+ 5	0.3869	1.94	Q V						
3+10	0.4008	2.02	Q V						
3+15	0.4153	2.11	Q V						
3+20	0.4300	2.12	Q V						
3+25	0.4452	2.22	Q V						
3+30	0.4617	2.39	Q V						
3+35	0.4794	2.57	Q V						
3+40	0.4979	2.68	Q V						
3+45	0.5171	2.79	Q V						
3+50	0.5370	2.88	Q V						
3+55	0.5575	2.99	Q V						
4+ 0	0.5787	3.08	Q V						
4+ 5	0.6006	3.18	Q V						
4+10	0.6238	3.36	Q V						
4+15	0.6483	3.56	Q V						
4+20	0.6743	3.79	Q V						
4+25	0.7020	4.02	Q V						
4+30	0.7306	4.15	Q V						
4+35	0.7601	4.28	Q V						
4+40	0.7911	4.50	Q V						
4+45	0.8236	4.73	Q V						
4+50	0.8571	4.86	Q V						
4+55	0.8915	4.99	Q V						
5+ 0	0.9274	5.21	Q V						
5+ 5	0.9677	5.86	Q V						
5+10	1.0154	6.92	Q V						
5+15	1.0695	7.86	Q V						
5+20	1.1289	8.62	Q V						
5+25	1.1948	9.56	Q V						
5+30	1.2713	11.11	Q V						
5+35	1.3280	8.23	Q V						
5+40	1.3544	3.83	Q V						
5+45	1.3687	2.07	Q V						
5+50	1.3772	1.23	Q V						
5+55	1.3830	0.84	Q V						
6+ 0	1.3868	0.55	Q V						
6+ 5	1.3885	0.25	Q V						
6+10	1.3889	0.06	Q V						
6+15	1.3890	0.02	Q V						

Glen Ivy Senior Living

ATTACHMENT C – Inflow Hydrographs

U n i t H y d r o g r a p h A n a l y s i s

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Study date 08/18/20 File: sh10pr2410.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 4029

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

Glen Ivy Senior Living
Inflow Hydrograph Calculations
Proposed Condition
10-year 24-hour storm

Drainage Area = 9.73(Ac.) = 0.015 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 9.73(Ac.) = 0.015 Sq. Mi.
Length along longest watercourse = 1323.00(Ft.)
Length along longest watercourse measured to centroid = 593.00(Ft.)
Length along longest watercourse = 0.251 Mi.
Length along longest watercourse measured to centroid = 0.112 Mi.
Difference in elevation = 20.80(Ft.)
Slope along watercourse = 83.0113 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.040 Hr.
Lag time = 2.40 Min.
25% of lag time = 0.60 Min.
40% of lag time = 0.96 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.) [1]	Rainfall(In) [2]	Weighting[1*2]
9.73	2.20	21.41

100 YEAR Area rainfall data:

Area(Ac.) [1]	Rainfall(In) [2]	Weighting[1*2]
9.73	5.83	56.73

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 2.200(In)
Area Averaged 100-Year Rainfall = 5.830(In)

Point rain (area averaged) = 3.693(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 3.693(In)

Sub-Area Data:

Glen Ivy Senior Living

ATTACHMENT C – Inflow Hydrographs

Area (Ac.) Runoff Index Impervious %
 9.730 65.00 0.900
 Total Area Entered = 9.73 (Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F
AMC2	AMC-2	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
65.0	65.0	0.416	0.900	0.079	1.000	0.079
						Sum (F) = 0.079

Area averaged mean soil loss (F) (In/Hr) = 0.079
 Minimum soil loss rate ((In/Hr)) = 0.040
 (for 24 hour storm duration)
 Soil loss rate (decimal) = 0.180

Unit Hydrograph VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	208.162	44.777
2	0.167	416.323	42.802
3	0.250	624.485	8.471
4	0.333	832.646	3.950
Sum = 100.000			Sum= 9.806

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate (In./Hr)		Effective (In/Hr)
				Max	Low	
1	0.08	0.07	0.030	(0.140)	0.005	0.024
2	0.17	0.07	0.030	(0.140)	0.005	0.024
3	0.25	0.07	0.030	(0.139)	0.005	0.024
4	0.33	0.10	0.044	(0.138)	0.008	0.036
5	0.42	0.10	0.044	(0.138)	0.008	0.036
6	0.50	0.10	0.044	(0.137)	0.008	0.036
7	0.58	0.10	0.044	(0.137)	0.008	0.036
8	0.67	0.10	0.044	(0.136)	0.008	0.036
9	0.75	0.10	0.044	(0.136)	0.008	0.036
10	0.83	0.13	0.059	(0.135)	0.011	0.048
11	0.92	0.13	0.059	(0.135)	0.011	0.048
12	1.00	0.13	0.059	(0.134)	0.011	0.048
13	1.08	0.10	0.044	(0.134)	0.008	0.036
14	1.17	0.10	0.044	(0.133)	0.008	0.036
15	1.25	0.10	0.044	(0.133)	0.008	0.036
16	1.33	0.10	0.044	(0.132)	0.008	0.036
17	1.42	0.10	0.044	(0.132)	0.008	0.036
18	1.50	0.10	0.044	(0.131)	0.008	0.036
19	1.58	0.10	0.044	(0.131)	0.008	0.036
20	1.67	0.10	0.044	(0.130)	0.008	0.036
21	1.75	0.10	0.044	(0.129)	0.008	0.036
22	1.83	0.13	0.059	(0.129)	0.011	0.048
23	1.92	0.13	0.059	(0.128)	0.011	0.048
24	2.00	0.13	0.059	(0.128)	0.011	0.048
25	2.08	0.13	0.059	(0.127)	0.011	0.048
26	2.17	0.13	0.059	(0.127)	0.011	0.048
27	2.25	0.13	0.059	(0.126)	0.011	0.048
28	2.33	0.13	0.059	(0.126)	0.011	0.048
29	2.42	0.13	0.059	(0.125)	0.011	0.048
30	2.50	0.13	0.059	(0.125)	0.011	0.048
31	2.58	0.17	0.074	(0.124)	0.013	0.061
32	2.67	0.17	0.074	(0.124)	0.013	0.061
33	2.75	0.17	0.074	(0.123)	0.013	0.061
34	2.83	0.17	0.074	(0.123)	0.013	0.061
35	2.92	0.17	0.074	(0.122)	0.013	0.061
36	3.00	0.17	0.074	(0.122)	0.013	0.061

Glen Ivy Senior Living ATTACHMENT C – Inflow Hydrographs

37	3.08	0.17	0.074	(0.121)	0.013	0.061
38	3.17	0.17	0.074	(0.121)	0.013	0.061
39	3.25	0.17	0.074	(0.120)	0.013	0.061
40	3.33	0.17	0.074	(0.120)	0.013	0.061
41	3.42	0.17	0.074	(0.119)	0.013	0.061
42	3.50	0.17	0.074	(0.119)	0.013	0.061
43	3.58	0.17	0.074	(0.118)	0.013	0.061
44	3.67	0.17	0.074	(0.118)	0.013	0.061
45	3.75	0.17	0.074	(0.117)	0.013	0.061
46	3.83	0.20	0.089	(0.117)	0.016	0.073
47	3.92	0.20	0.089	(0.116)	0.016	0.073
48	4.00	0.20	0.089	(0.116)	0.016	0.073
49	4.08	0.20	0.089	(0.115)	0.016	0.073
50	4.17	0.20	0.089	(0.115)	0.016	0.073
51	4.25	0.20	0.089	(0.114)	0.016	0.073
52	4.33	0.23	0.103	(0.114)	0.019	0.085
53	4.42	0.23	0.103	(0.113)	0.019	0.085
54	4.50	0.23	0.103	(0.113)	0.019	0.085
55	4.58	0.23	0.103	(0.112)	0.019	0.085
56	4.67	0.23	0.103	(0.112)	0.019	0.085
57	4.75	0.23	0.103	(0.111)	0.019	0.085
58	4.83	0.27	0.118	(0.111)	0.021	0.097
59	4.92	0.27	0.118	(0.110)	0.021	0.097
60	5.00	0.27	0.118	(0.110)	0.021	0.097
61	5.08	0.20	0.089	(0.110)	0.016	0.073
62	5.17	0.20	0.089	(0.109)	0.016	0.073
63	5.25	0.20	0.089	(0.109)	0.016	0.073
64	5.33	0.23	0.103	(0.108)	0.019	0.085
65	5.42	0.23	0.103	(0.108)	0.019	0.085
66	5.50	0.23	0.103	(0.107)	0.019	0.085
67	5.58	0.27	0.118	(0.107)	0.021	0.097
68	5.67	0.27	0.118	(0.106)	0.021	0.097
69	5.75	0.27	0.118	(0.106)	0.021	0.097
70	5.83	0.27	0.118	(0.105)	0.021	0.097
71	5.92	0.27	0.118	(0.105)	0.021	0.097
72	6.00	0.27	0.118	(0.104)	0.021	0.097
73	6.08	0.30	0.133	(0.104)	0.024	0.109
74	6.17	0.30	0.133	(0.103)	0.024	0.109
75	6.25	0.30	0.133	(0.103)	0.024	0.109
76	6.33	0.30	0.133	(0.102)	0.024	0.109
77	6.42	0.30	0.133	(0.102)	0.024	0.109
78	6.50	0.30	0.133	(0.102)	0.024	0.109
79	6.58	0.33	0.148	(0.101)	0.027	0.121
80	6.67	0.33	0.148	(0.101)	0.027	0.121
81	6.75	0.33	0.148	(0.100)	0.027	0.121
82	6.83	0.33	0.148	(0.100)	0.027	0.121
83	6.92	0.33	0.148	(0.099)	0.027	0.121
84	7.00	0.33	0.148	(0.099)	0.027	0.121
85	7.08	0.33	0.148	(0.098)	0.027	0.121
86	7.17	0.33	0.148	(0.098)	0.027	0.121
87	7.25	0.33	0.148	(0.098)	0.027	0.121
88	7.33	0.37	0.163	(0.097)	0.029	0.133
89	7.42	0.37	0.163	(0.097)	0.029	0.133
90	7.50	0.37	0.163	(0.096)	0.029	0.133
91	7.58	0.40	0.177	(0.096)	0.032	0.145
92	7.67	0.40	0.177	(0.095)	0.032	0.145
93	7.75	0.40	0.177	(0.095)	0.032	0.145
94	7.83	0.43	0.192	(0.094)	0.035	0.157
95	7.92	0.43	0.192	(0.094)	0.035	0.157
96	8.00	0.43	0.192	(0.094)	0.035	0.157
97	8.08	0.50	0.222	(0.093)	0.040	0.182
98	8.17	0.50	0.222	(0.093)	0.040	0.182
99	8.25	0.50	0.222	(0.092)	0.040	0.182
100	8.33	0.50	0.222	(0.092)	0.040	0.182
101	8.42	0.50	0.222	(0.091)	0.040	0.182
102	8.50	0.50	0.222	(0.091)	0.040	0.182
103	8.58	0.53	0.236	(0.091)	0.043	0.194
104	8.67	0.53	0.236	(0.090)	0.043	0.194
105	8.75	0.53	0.236	(0.090)	0.043	0.194
106	8.83	0.57	0.251	(0.089)	0.045	0.206
107	8.92	0.57	0.251	(0.089)	0.045	0.206
108	9.00	0.57	0.251	(0.088)	0.045	0.206

Glen Ivy Senior Living ATTACHMENT C – Inflow Hydrographs

109	9.08	0.63	0.281	(0.088)	0.051	0.230
110	9.17	0.63	0.281	(0.088)	0.051	0.230
111	9.25	0.63	0.281	(0.087)	0.051	0.230
112	9.33	0.67	0.295	(0.087)	0.053	0.242
113	9.42	0.67	0.295	(0.086)	0.053	0.242
114	9.50	0.67	0.295	(0.086)	0.053	0.242
115	9.58	0.70	0.310	(0.086)	0.056	0.254
116	9.67	0.70	0.310	(0.085)	0.056	0.254
117	9.75	0.70	0.310	(0.085)	0.056	0.254
118	9.83	0.73	0.325	(0.084)	0.059	0.267
119	9.92	0.73	0.325	(0.084)	0.059	0.267
120	10.00	0.73	0.325	(0.083)	0.059	0.267
121	10.08	0.50	0.222	(0.083)	0.040	0.182
122	10.17	0.50	0.222	(0.083)	0.040	0.182
123	10.25	0.50	0.222	(0.082)	0.040	0.182
124	10.33	0.50	0.222	(0.082)	0.040	0.182
125	10.42	0.50	0.222	(0.081)	0.040	0.182
126	10.50	0.50	0.222	(0.081)	0.040	0.182
127	10.58	0.67	0.295	(0.081)	0.053	0.242
128	10.67	0.67	0.295	(0.080)	0.053	0.242
129	10.75	0.67	0.295	(0.080)	0.053	0.242
130	10.83	0.67	0.295	(0.079)	0.053	0.242
131	10.92	0.67	0.295	(0.079)	0.053	0.242
132	11.00	0.67	0.295	(0.079)	0.053	0.242
133	11.08	0.63	0.281	(0.078)	0.051	0.230
134	11.17	0.63	0.281	(0.078)	0.051	0.230
135	11.25	0.63	0.281	(0.078)	0.051	0.230
136	11.33	0.63	0.281	(0.077)	0.051	0.230
137	11.42	0.63	0.281	(0.077)	0.051	0.230
138	11.50	0.63	0.281	(0.076)	0.051	0.230
139	11.58	0.57	0.251	(0.076)	0.045	0.206
140	11.67	0.57	0.251	(0.076)	0.045	0.206
141	11.75	0.57	0.251	(0.075)	0.045	0.206
142	11.83	0.60	0.266	(0.075)	0.048	0.218
143	11.92	0.60	0.266	(0.075)	0.048	0.218
144	12.00	0.60	0.266	(0.074)	0.048	0.218
145	12.08	0.83	0.369	(0.074)	0.066	0.303
146	12.17	0.83	0.369	(0.073)	0.066	0.303
147	12.25	0.83	0.369	(0.073)	0.066	0.303
148	12.33	0.87	0.384	(0.073)	0.069	0.315
149	12.42	0.87	0.384	(0.072)	0.069	0.315
150	12.50	0.87	0.384	(0.072)	0.069	0.315
151	12.58	0.93	0.414	0.072	(0.074)	0.342
152	12.67	0.93	0.414	0.071	(0.074)	0.342
153	12.75	0.93	0.414	0.071	(0.074)	0.343
154	12.83	0.97	0.428	0.071	(0.077)	0.358
155	12.92	0.97	0.428	0.070	(0.077)	0.358
156	13.00	0.97	0.428	0.070	(0.077)	0.359
157	13.08	1.13	0.502	0.069	(0.090)	0.433
158	13.17	1.13	0.502	0.069	(0.090)	0.433
159	13.25	1.13	0.502	0.069	(0.090)	0.434
160	13.33	1.13	0.502	0.068	(0.090)	0.434
161	13.42	1.13	0.502	0.068	(0.090)	0.434
162	13.50	1.13	0.502	0.068	(0.090)	0.435
163	13.58	0.77	0.340	(0.067)	0.061	0.279
164	13.67	0.77	0.340	(0.067)	0.061	0.279
165	13.75	0.77	0.340	(0.067)	0.061	0.279
166	13.83	0.77	0.340	(0.066)	0.061	0.279
167	13.92	0.77	0.340	(0.066)	0.061	0.279
168	14.00	0.77	0.340	(0.066)	0.061	0.279
169	14.08	0.90	0.399	0.065	(0.072)	0.334
170	14.17	0.90	0.399	0.065	(0.072)	0.334
171	14.25	0.90	0.399	0.065	(0.072)	0.334
172	14.33	0.87	0.384	0.064	(0.069)	0.320
173	14.42	0.87	0.384	0.064	(0.069)	0.320
174	14.50	0.87	0.384	0.064	(0.069)	0.320
175	14.58	0.87	0.384	0.063	(0.069)	0.321
176	14.67	0.87	0.384	0.063	(0.069)	0.321
177	14.75	0.87	0.384	0.063	(0.069)	0.321
178	14.83	0.83	0.369	0.062	(0.066)	0.307
179	14.92	0.83	0.369	0.062	(0.066)	0.307
180	15.00	0.83	0.369	0.062	(0.066)	0.308

Glen Ivy Senior Living ATTACHMENT C – Inflow Hydrographs

181	15.08	0.80	0.355	0.061	(0.064)	0.293
182	15.17	0.80	0.355	0.061	(0.064)	0.293
183	15.25	0.80	0.355	0.061	(0.064)	0.294
184	15.33	0.77	0.340	0.060	(0.061)	0.279
185	15.42	0.77	0.340	0.060	(0.061)	0.280
186	15.50	0.77	0.340	0.060	(0.061)	0.280
187	15.58	0.63	0.281	(0.060)	0.051	0.230
188	15.67	0.63	0.281	(0.059)	0.051	0.230
189	15.75	0.63	0.281	(0.059)	0.051	0.230
190	15.83	0.63	0.281	(0.059)	0.051	0.230
191	15.92	0.63	0.281	(0.058)	0.051	0.230
192	16.00	0.63	0.281	(0.058)	0.051	0.230
193	16.08	0.13	0.059	(0.058)	0.011	0.048
194	16.17	0.13	0.059	(0.057)	0.011	0.048
195	16.25	0.13	0.059	(0.057)	0.011	0.048
196	16.33	0.13	0.059	(0.057)	0.011	0.048
197	16.42	0.13	0.059	(0.057)	0.011	0.048
198	16.50	0.13	0.059	(0.056)	0.011	0.048
199	16.58	0.10	0.044	(0.056)	0.008	0.036
200	16.67	0.10	0.044	(0.056)	0.008	0.036
201	16.75	0.10	0.044	(0.055)	0.008	0.036
202	16.83	0.10	0.044	(0.055)	0.008	0.036
203	16.92	0.10	0.044	(0.055)	0.008	0.036
204	17.00	0.10	0.044	(0.055)	0.008	0.036
205	17.08	0.17	0.074	(0.054)	0.013	0.061
206	17.17	0.17	0.074	(0.054)	0.013	0.061
207	17.25	0.17	0.074	(0.054)	0.013	0.061
208	17.33	0.17	0.074	(0.054)	0.013	0.061
209	17.42	0.17	0.074	(0.053)	0.013	0.061
210	17.50	0.17	0.074	(0.053)	0.013	0.061
211	17.58	0.17	0.074	(0.053)	0.013	0.061
212	17.67	0.17	0.074	(0.052)	0.013	0.061
213	17.75	0.17	0.074	(0.052)	0.013	0.061
214	17.83	0.13	0.059	(0.052)	0.011	0.048
215	17.92	0.13	0.059	(0.052)	0.011	0.048
216	18.00	0.13	0.059	(0.051)	0.011	0.048
217	18.08	0.13	0.059	(0.051)	0.011	0.048
218	18.17	0.13	0.059	(0.051)	0.011	0.048
219	18.25	0.13	0.059	(0.051)	0.011	0.048
220	18.33	0.13	0.059	(0.050)	0.011	0.048
221	18.42	0.13	0.059	(0.050)	0.011	0.048
222	18.50	0.13	0.059	(0.050)	0.011	0.048
223	18.58	0.10	0.044	(0.050)	0.008	0.036
224	18.67	0.10	0.044	(0.049)	0.008	0.036
225	18.75	0.10	0.044	(0.049)	0.008	0.036
226	18.83	0.07	0.030	(0.049)	0.005	0.024
227	18.92	0.07	0.030	(0.049)	0.005	0.024
228	19.00	0.07	0.030	(0.049)	0.005	0.024
229	19.08	0.10	0.044	(0.048)	0.008	0.036
230	19.17	0.10	0.044	(0.048)	0.008	0.036
231	19.25	0.10	0.044	(0.048)	0.008	0.036
232	19.33	0.13	0.059	(0.048)	0.011	0.048
233	19.42	0.13	0.059	(0.047)	0.011	0.048
234	19.50	0.13	0.059	(0.047)	0.011	0.048
235	19.58	0.10	0.044	(0.047)	0.008	0.036
236	19.67	0.10	0.044	(0.047)	0.008	0.036
237	19.75	0.10	0.044	(0.047)	0.008	0.036
238	19.83	0.07	0.030	(0.046)	0.005	0.024
239	19.92	0.07	0.030	(0.046)	0.005	0.024
240	20.00	0.07	0.030	(0.046)	0.005	0.024
241	20.08	0.10	0.044	(0.046)	0.008	0.036
242	20.17	0.10	0.044	(0.045)	0.008	0.036
243	20.25	0.10	0.044	(0.045)	0.008	0.036
244	20.33	0.10	0.044	(0.045)	0.008	0.036
245	20.42	0.10	0.044	(0.045)	0.008	0.036
246	20.50	0.10	0.044	(0.045)	0.008	0.036
247	20.58	0.10	0.044	(0.045)	0.008	0.036
248	20.67	0.10	0.044	(0.044)	0.008	0.036
249	20.75	0.10	0.044	(0.044)	0.008	0.036
250	20.83	0.07	0.030	(0.044)	0.005	0.024
251	20.92	0.07	0.030	(0.044)	0.005	0.024
252	21.00	0.07	0.030	(0.044)	0.005	0.024

Glen Ivy Senior Living

ATTACHMENT C – Inflow Hydrographs

253	21.08	0.10	0.044	(0.043)	0.008	0.036
254	21.17	0.10	0.044	(0.043)	0.008	0.036
255	21.25	0.10	0.044	(0.043)	0.008	0.036
256	21.33	0.07	0.030	(0.043)	0.005	0.024
257	21.42	0.07	0.030	(0.043)	0.005	0.024
258	21.50	0.07	0.030	(0.043)	0.005	0.024
259	21.58	0.10	0.044	(0.042)	0.008	0.036
260	21.67	0.10	0.044	(0.042)	0.008	0.036
261	21.75	0.10	0.044	(0.042)	0.008	0.036
262	21.83	0.07	0.030	(0.042)	0.005	0.024
263	21.92	0.07	0.030	(0.042)	0.005	0.024
264	22.00	0.07	0.030	(0.042)	0.005	0.024
265	22.08	0.10	0.044	(0.042)	0.008	0.036
266	22.17	0.10	0.044	(0.041)	0.008	0.036
267	22.25	0.10	0.044	(0.041)	0.008	0.036
268	22.33	0.07	0.030	(0.041)	0.005	0.024
269	22.42	0.07	0.030	(0.041)	0.005	0.024
270	22.50	0.07	0.030	(0.041)	0.005	0.024
271	22.58	0.07	0.030	(0.041)	0.005	0.024
272	22.67	0.07	0.030	(0.041)	0.005	0.024
273	22.75	0.07	0.030	(0.041)	0.005	0.024
274	22.83	0.07	0.030	(0.041)	0.005	0.024
275	22.92	0.07	0.030	(0.040)	0.005	0.024
276	23.00	0.07	0.030	(0.040)	0.005	0.024
277	23.08	0.07	0.030	(0.040)	0.005	0.024
278	23.17	0.07	0.030	(0.040)	0.005	0.024
279	23.25	0.07	0.030	(0.040)	0.005	0.024
280	23.33	0.07	0.030	(0.040)	0.005	0.024
281	23.42	0.07	0.030	(0.040)	0.005	0.024
282	23.50	0.07	0.030	(0.040)	0.005	0.024
283	23.58	0.07	0.030	(0.040)	0.005	0.024
284	23.67	0.07	0.030	(0.040)	0.005	0.024
285	23.75	0.07	0.030	(0.040)	0.005	0.024
286	23.83	0.07	0.030	(0.040)	0.005	0.024
287	23.92	0.07	0.030	(0.040)	0.005	0.024
288	24.00	0.07	0.030	(0.040)	0.005	0.024

(Loss Rate Not Used)

Sum = 100.0 Sum = 36.6

Flood volume = Effective rainfall 3.05(In)
 times area 9.7(Ac.) / [(In)/(Ft.)] = 2.5(Ac.Ft)
 Total soil loss = 0.64(In)
 Total soil loss = 0.523(Ac.Ft)
 Total rainfall = 3.69(In)
 Flood volume = 107675.0 Cubic Feet
 Total soil loss = 22773.4 Cubic Feet

 Peak flow rate of this hydrograph = 4.261(CFS)

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24 - H O U R S T O R M
 R u n o f f H y d r o g r a p h

 Hydrograph in 5 Minute intervals ((CFS))

Time (h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0007	0.11	Q				
0+10	0.0022	0.21	Q				
0+15	0.0037	0.23	Q				
0+20	0.0057	0.29	VQ				
0+25	0.0081	0.34	VQ				
0+30	0.0105	0.35	VQ				
0+35	0.0130	0.36	VQ				
0+40	0.0154	0.36	VQ				
0+45	0.0179	0.36	VQ				
0+50	0.0207	0.41	VQ				
0+55	0.0239	0.46	VQ				
1+ 0	0.0271	0.47	VQ				
1+ 5	0.0300	0.42	VQ				
1+10	0.0326	0.37	VQ				
1+15	0.0351	0.36	VQ				

Glen Ivy Senior Living ATTACHMENT C – Inflow Hydrographs

1+20	0.0375	0.36	VQ				
1+25	0.0400	0.36	VQ				
1+30	0.0424	0.36	VQ				
1+35	0.0449	0.36	VQ				
1+40	0.0474	0.36	VQ				
1+45	0.0498	0.36	VQ				
1+50	0.0526	0.41	VQ				
1+55	0.0558	0.46	VQ				
2+ 0	0.0590	0.47	VQ				
2+ 5	0.0623	0.48	IQ				
2+10	0.0656	0.48	IQ				
2+15	0.0689	0.48	IQ				
2+20	0.0721	0.48	IQ				
2+25	0.0754	0.48	IQ				
2+30	0.0787	0.48	IQ				
2+35	0.0823	0.53	IVQ				
2+40	0.0863	0.58	IVQ				
2+45	0.0904	0.59	IVQ				
2+50	0.0945	0.59	IVQ				
2+55	0.0986	0.59	IVQ				
3+ 0	0.1027	0.59	IVQ				
3+ 5	0.1068	0.59	IVQ				
3+10	0.1108	0.59	IVQ				
3+15	0.1149	0.59	IVQ				
3+20	0.1190	0.59	IVQ				
3+25	0.1231	0.59	IVQ				
3+30	0.1272	0.59	I Q				
3+35	0.1313	0.59	I Q				
3+40	0.1354	0.59	I Q				
3+45	0.1395	0.59	I Q				
3+50	0.1440	0.65	I Q				
3+55	0.1488	0.70	I Q				
4+ 0	0.1536	0.71	I Q				
4+ 5	0.1586	0.71	I Q				
4+10	0.1635	0.71	I Q				
4+15	0.1684	0.71	I Q				
4+20	0.1737	0.77	IVQ				
4+25	0.1793	0.82	IVQ				
4+30	0.1850	0.83	IVQ				
4+35	0.1907	0.83	I Q				
4+40	0.1964	0.83	I Q				
4+45	0.2022	0.83	I Q				
4+50	0.2083	0.89	I Q				
4+55	0.2147	0.94	I Q				
5+ 0	0.2212	0.95	I Q				
5+ 5	0.2270	0.84	I Q				
5+10	0.2322	0.74	IVQ				
5+15	0.2371	0.72	IVQ				
5+20	0.2424	0.77	I Q				
5+25	0.2480	0.82	IVQ				
5+30	0.2537	0.83	IVQ				
5+35	0.2598	0.89	IVQ				
5+40	0.2663	0.94	IVQ				
5+45	0.2728	0.95	IVQ				
5+50	0.2793	0.95	IVQ				
5+55	0.2859	0.95	IVQ				
6+ 0	0.2924	0.95	IVQ				
6+ 5	0.2994	1.00	I Q				
6+10	0.3066	1.05	I Q				
6+15	0.3140	1.06	IVQ				
6+20	0.3213	1.07	IVQ				
6+25	0.3287	1.07	IVQ				
6+30	0.3361	1.07	IVQ				
6+35	0.3438	1.12	IVQ				
6+40	0.3519	1.17	IVQ				
6+45	0.3600	1.18	IVQ				
6+50	0.3682	1.19	IVQ				
6+55	0.3764	1.19	I Q V				
7+ 0	0.3846	1.19	I Q V				
7+ 5	0.3928	1.19	I Q V				
7+10	0.4010	1.19	I Q V				
7+15	0.4091	1.19	I Q V				

Glen Ivy Senior Living ATTACHMENT C – Inflow Hydrographs

7+20	0.4177	1.24	Q V				
7+25	0.4266	1.29	QV				
7+30	0.4356	1.30	Q V				
7+35	0.4449	1.36	Q V				
7+40	0.4547	1.41	Q V				
7+45	0.4645	1.42	Q V				
7+50	0.4746	1.48	Q V				
7+55	0.4852	1.53	QV				
8+ 0	0.4958	1.54	Q V				
8+ 5	0.5072	1.65	Q V				
8+10	0.5192	1.75	QV				
8+15	0.5315	1.77	QV				
8+20	0.5437	1.78	QV				
8+25	0.5560	1.78	QV				
8+30	0.5683	1.78	Q V				
8+35	0.5809	1.84	Q V				
8+40	0.5939	1.89	Q V				
8+45	0.6070	1.90	Q V				
8+50	0.6205	1.95	Q V				
8+55	0.6343	2.01	Q V				
9+ 0	0.6481	2.02	Q V				
9+ 5	0.6628	2.13	Q V				
9+10	0.6781	2.23	Q V				
9+15	0.6936	2.25	Q V				
9+20	0.7096	2.31	Q V				
9+25	0.7258	2.36	Q V				
9+30	0.7422	2.37	Q V				
9+35	0.7589	2.43	Q V				
9+40	0.7760	2.48	Q V				
9+45	0.7931	2.49	Q V				
9+50	0.8107	2.55	Q V				
9+55	0.8286	2.60	Q V				
10+ 0	0.8466	2.61	Q V				
10+ 5	0.8620	2.24	Q V				
10+10	0.8750	1.89	Q V				
10+15	0.8875	1.82	Q V				
10+20	0.8998	1.78	Q V				
10+25	0.9121	1.78	Q V				
10+30	0.9244	1.78	Q V				
10+35	0.9385	2.05	Q V				
10+40	0.9543	2.30	Q V				
10+45	0.9705	2.35	Q V				
10+50	0.9869	2.38	Q V				
10+55	1.0033	2.38	Q V				
11+ 0	1.0196	2.38	Q V				
11+ 5	1.0357	2.32	Q V				
11+10	1.0513	2.27	Q V				
11+15	1.0669	2.26	Q V				
11+20	1.0824	2.26	Q V				
11+25	1.0980	2.26	Q V				
11+30	1.1135	2.26	Q V				
11+35	1.1284	2.15	Q V				
11+40	1.1425	2.05	Q V				
11+45	1.1565	2.03	Q V				
11+50	1.1707	2.07	Q V				
11+55	1.1854	2.12	Q V				
12+ 0	1.2001	2.13	Q V				
12+ 5	1.2174	2.51	Q V				
12+10	1.2371	2.87	Q V				
12+15	1.2574	2.94	Q V				
12+20	1.2782	3.02	Q V				
12+25	1.2994	3.08	Q V				
12+30	1.3206	3.09	Q V				
12+35	1.3427	3.21	Q V				
12+40	1.3656	3.32	Q V				
12+45	1.3887	3.35	Q V				
12+50	1.4123	3.43	Q V				
12+55	1.4364	3.49	Q V				
13+ 0	1.4606	3.51	Q V				
13+ 5	1.4870	3.84	Q V				
13+10	1.5157	4.16	Q V				
13+15	1.5448	4.22	Q V				

Glen Ivy Senior Living ATTACHMENT C – Inflow Hydrographs

13+20	1.5741	4.25			Q		V		
13+25	1.6034	4.26			Q		V		
13+30	1.6327	4.26			Q		V		
13+35	1.6574	3.58			Q		V		
13+40	1.6775	2.92		Q			V		
13+45	1.6967	2.79		Q			V		
13+50	1.7156	2.73		Q			V		
13+55	1.7344	2.73		Q			V		
14+ 0	1.7532	2.73		Q			V		
14+ 5	1.7737	2.97		Q			V		
14+10	1.7958	3.21		Q			V		
14+15	1.8182	3.26		Q			V		
14+20	1.8404	3.22		Q			V		
14+25	1.8621	3.16		Q			V		
14+30	1.8838	3.15		Q			V		
14+35	1.9054	3.14		Q			V		
14+40	1.9271	3.15		Q			V		
14+45	1.9488	3.15		Q			V		
14+50	1.9701	3.09		Q			V		
14+55	1.9910	3.03		Q			V		
15+ 0	2.0118	3.02		Q			V		
15+ 5	2.0321	2.95		Q			V		
15+10	2.0521	2.89		Q			V		
15+15	2.0719	2.89		Q			V		
15+20	2.0913	2.82		Q			V		
15+25	2.1103	2.76		Q			V		
15+30	2.1293	2.75		Q			V		
15+35	2.1467	2.53		Q			V		
15+40	2.1627	2.32		Q			V		
15+45	2.1783	2.28		Q			V		
15+50	2.1939	2.26		Q			V		
15+55	2.2095	2.26		Q			V		
16+ 0	2.2250	2.26		Q			V		
16+ 5	2.2351	1.46		Q			V		
16+10	2.2399	0.70		Q			V		
16+15	2.2436	0.55		Q			V		
16+20	2.2469	0.48		Q			V		
16+25	2.2502	0.48		Q			V		
16+30	2.2534	0.48		Q			V		
16+35	2.2563	0.42		Q			V		
16+40	2.2589	0.37		Q			V		
16+45	2.2614	0.36		Q			V		
16+50	2.2638	0.36		Q			V		
16+55	2.2663	0.36		Q			V		
17+ 0	2.2688	0.36		Q			V		
17+ 5	2.2719	0.46		Q			V		
17+10	2.2758	0.56		Q			V		
17+15	2.2799	0.58		Q			V		
17+20	2.2840	0.59		Q			V		
17+25	2.2880	0.59		Q			V		
17+30	2.2921	0.59		Q			V		
17+35	2.2962	0.59		Q			V		
17+40	2.3003	0.59		Q			V		
17+45	2.3044	0.59		Q			V		
17+50	2.3081	0.54		Q			V		
17+55	2.3115	0.49		Q			V		
18+ 0	2.3148	0.48		Q			V		
18+ 5	2.3181	0.48		Q			V		
18+10	2.3214	0.48		Q			V		
18+15	2.3247	0.48		Q			V		
18+20	2.3279	0.48		Q			V		
18+25	2.3312	0.48		Q			V		
18+30	2.3345	0.48		Q			V		
18+35	2.3374	0.42		Q			V		
18+40	2.3399	0.37		Q			V		
18+45	2.3424	0.36		Q			V		
18+50	2.3445	0.30		Q			V		
18+55	2.3463	0.25		Q			V		
19+ 0	2.3479	0.24		Q			V		
19+ 5	2.3499	0.29		Q			V		
19+10	2.3523	0.34		Q			V		
19+15	2.3547	0.35		Q			V		

Glen Ivy Senior Living ATTACHMENT C – Inflow Hydrographs

19+20	2.3575	0.41	IQ				V	
19+25	2.3607	0.46	IQ				V	
19+30	2.3639	0.47	IQ				V	
19+35	2.3668	0.42	IQ				V	
19+40	2.3694	0.37	IQ				V	
19+45	2.3719	0.36	IQ				V	
19+50	2.3740	0.30	IQ				V	
19+55	2.3757	0.25	IQ				V	
20+ 0	2.3774	0.24	Q				V	
20+ 5	2.3794	0.29	IQ				V	
20+10	2.3817	0.34	IQ				V	
20+15	2.3842	0.35	IQ				V	
20+20	2.3866	0.36	IQ				V	
20+25	2.3891	0.36	IQ				V	
20+30	2.3915	0.36	IQ				V	
20+35	2.3940	0.36	IQ				V	
20+40	2.3965	0.36	IQ				V	
20+45	2.3989	0.36	IQ				V	
20+50	2.4010	0.30	IQ				V	
20+55	2.4027	0.25	IQ				V	
21+ 0	2.4044	0.24	Q				V	
21+ 5	2.4064	0.29	IQ				V	
21+10	2.4088	0.34	IQ				V	
21+15	2.4112	0.35	IQ				V	
21+20	2.4133	0.30	IQ				V	
21+25	2.4150	0.25	IQ				V	
21+30	2.4167	0.24	Q				V	
21+35	2.4187	0.29	IQ				V	
21+40	2.4210	0.34	IQ				V	
21+45	2.4235	0.35	IQ				V	
21+50	2.4256	0.30	IQ				V	
21+55	2.4273	0.25	IQ				V	
22+ 0	2.4290	0.24	Q				V	
22+ 5	2.4310	0.29	IQ				V	
22+10	2.4333	0.34	IQ				V	
22+15	2.4357	0.35	IQ				V	
22+20	2.4378	0.30	IQ				V	
22+25	2.4396	0.25	IQ				V	
22+30	2.4412	0.24	Q				V	
22+35	2.4429	0.24	Q				V	
22+40	2.4445	0.24	Q				V	
22+45	2.4462	0.24	Q				V	
22+50	2.4478	0.24	Q				V	
22+55	2.4494	0.24	Q				V	
23+ 0	2.4511	0.24	Q				V	
23+ 5	2.4527	0.24	Q				V	
23+10	2.4543	0.24	Q				V	
23+15	2.4560	0.24	Q				V	
23+20	2.4576	0.24	Q				V	
23+25	2.4592	0.24	Q				V	
23+30	2.4609	0.24	Q				V	
23+35	2.4625	0.24	Q				V	
23+40	2.4642	0.24	Q				V	
23+45	2.4658	0.24	Q				V	
23+50	2.4674	0.24	Q				V	
23+55	2.4691	0.24	Q				V	
24+ 0	2.4707	0.24	Q				V	
24+ 5	2.4716	0.13	Q				V	
24+10	2.4718	0.03	Q				V	
24+15	2.4719	0.01	Q				V	

ATTACHMENT D
Inflow Hydrographs
2-, 5-, 10-yr 1-, 3-, 6-, 24-hr storm
Detention Basin Routing

Detention Basin Routing

Drainage Area A

Glen Ivy Senior Living

ATTACHMENT D – Detention Basin Routing

FLOOD HYDROGRAPH ROUTING PROGRAM
 Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2005
 Study date: 08/18/20

 Glen Ivy Senior Living
 Inflow Hydrograph Calculations
 Detention Basin A
 2-year 1-hour storm

Program License Serial Number 4029

 ***** HYDROGRAPH INFORMATION *****

From study/file name: sh2pr12.rte
 *****HYDROGRAPH DATA*****
 Number of intervals = 15
 Time interval = 5.0 (Min.)
 Maximum/Peak flow rate = 9.733 (CFS)
 Total volume = 0.353 (Ac.Ft)
 Status of hydrographs being held in storage
 Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
 Peak (CFS) 0.000 0.000 0.000 0.000 0.000
 Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
 Process from Point/Station 10.000 to Point/Station 11.000
 **** RETARDING BASIN ROUTING ****

 User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 15
 Hydrograph time unit = 5.000 (Min.)
 Initial depth in storage basin = 0.00 (Ft.)

Initial basin depth = 0.00 (Ft.)
 Initial basin storage = 0.00 (Ac.Ft)
 Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.360	0.320	0.359	0.361
2.000	0.810	0.460	0.808	0.812
3.000	1.310	0.680	1.308	1.312
4.000	1.860	0.880	1.857	1.863
5.000	2.470	6.320	2.448	2.492
6.000	3.140	16.140	3.084	3.196

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	0.0	2.4	4.87	7.30	9.73 (Ft.)

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

0.083	0.97	0.00	0.003	O	I					0.01
0.167	1.93	0.01	0.013	O	I					0.04
0.250	2.33	0.02	0.028	O	I					0.08
0.333	2.61	0.04	0.045	O	I					0.12
0.417	2.72	0.06	0.063	O	I					0.17
0.500	2.95	0.07	0.082	O	I					0.23
0.583	3.45	0.09	0.103	O	I	I				0.29
0.667	4.06	0.11	0.128	O	I	I				0.36
0.750	5.32	0.14	0.160	O	I	I				0.44
0.833	9.73	0.19	0.210	O	I	I		I	I	0.58
0.917	8.59	0.24	0.272	O	I	I		I	I	0.76
1.000	4.22	0.28	0.314	O	I	I		I	I	0.87
1.083	1.93	0.30	0.334	O	I	I		I	I	0.93
1.167	0.36	0.30	0.339	O	I	I		I	I	0.94
1.250	0.10	0.30	0.339	O	I	I		I	I	0.94
1.333	0.00	0.30	0.337	O	I	I		I	I	0.94
1.417	0.00	0.30	0.335	O	I	I		I	I	0.93
1.500	0.00	0.30	0.333	O	I	I		I	I	0.93
1.583	0.00	0.29	0.331	O	I	I		I	I	0.92
1.667	0.00	0.29	0.329	O	I	I		I	I	0.91
1.750	0.00	0.29	0.327	O	I	I		I	I	0.91
1.833	0.00	0.29	0.325	O	I	I		I	I	0.90
1.917	0.00	0.29	0.323	O	I	I		I	I	0.90
2.000	0.00	0.29	0.321	O	I	I		I	I	0.89
2.083	0.00	0.28	0.319	O	I	I		I	I	0.89
2.167	0.00	0.28	0.317	O	I	I		I	I	0.88
2.250	0.00	0.28	0.315	O	I	I		I	I	0.88
2.333	0.00	0.28	0.313	O	I	I		I	I	0.87
2.417	0.00	0.28	0.311	O	I	I		I	I	0.87
2.500	0.00	0.28	0.310	O	I	I		I	I	0.86
2.583	0.00	0.27	0.308	O	I	I		I	I	0.85
2.667	0.00	0.27	0.306	O	I	I		I	I	0.85
2.750	0.00	0.27	0.304	O	I	I		I	I	0.84
2.833	0.00	0.27	0.302	O	I	I		I	I	0.84
2.917	0.00	0.27	0.300	O	I	I		I	I	0.83
3.000	0.00	0.27	0.298	O	I	I		I	I	0.83
3.083	0.00	0.26	0.297	O	I	I		I	I	0.82
3.167	0.00	0.26	0.295	O	I	I		I	I	0.82
3.250	0.00	0.26	0.293	O	I	I		I	I	0.81
3.333	0.00	0.26	0.291	O	I	I		I	I	0.81
3.417	0.00	0.26	0.289	O	I	I		I	I	0.80
3.500	0.00	0.26	0.288	O	I	I		I	I	0.80
3.583	0.00	0.25	0.286	O	I	I		I	I	0.79
3.667	0.00	0.25	0.284	O	I	I		I	I	0.79
3.750	0.00	0.25	0.282	O	I	I		I	I	0.78
3.833	0.00	0.25	0.281	O	I	I		I	I	0.78
3.917	0.00	0.25	0.279	O	I	I		I	I	0.77
4.000	0.00	0.25	0.277	O	I	I		I	I	0.77
4.083	0.00	0.24	0.276	O	I	I		I	I	0.77
4.167	0.00	0.24	0.274	O	I	I		I	I	0.76
4.250	0.00	0.24	0.272	O	I	I		I	I	0.76
4.333	0.00	0.24	0.271	O	I	I		I	I	0.75
4.417	0.00	0.24	0.269	O	I	I		I	I	0.75
4.500	0.00	0.24	0.267	O	I	I		I	I	0.74
4.583	0.00	0.24	0.266	O	I	I		I	I	0.74
4.667	0.00	0.23	0.264	O	I	I		I	I	0.73
4.750	0.00	0.23	0.262	O	I	I		I	I	0.73
4.833	0.00	0.23	0.261	O	I	I		I	I	0.72
4.917	0.00	0.23	0.259	O	I	I		I	I	0.72
5.000	0.00	0.23	0.258	O	I	I		I	I	0.72
5.083	0.00	0.23	0.256	O	I	I		I	I	0.71
5.167	0.00	0.23	0.254	O	I	I		I	I	0.71
5.250	0.00	0.22	0.253	O	I	I		I	I	0.70
5.333	0.00	0.22	0.251	O	I	I		I	I	0.70
5.417	0.00	0.22	0.250	O	I	I		I	I	0.69
5.500	0.00	0.22	0.248	O	I	I		I	I	0.69
5.583	0.00	0.22	0.247	O	I	I		I	I	0.69
5.667	0.00	0.22	0.245	O	I	I		I	I	0.68
5.750	0.00	0.22	0.244	O	I	I		I	I	0.68
5.833	0.00	0.22	0.242	O	I	I		I	I	0.67
5.917	0.00	0.21	0.241	O	I	I		I	I	0.67
6.000	0.00	0.21	0.239	O	I	I		I	I	0.66

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

6.083	0.00	0.21	0.238	0					0.66
6.167	0.00	0.21	0.236	0					0.66
6.250	0.00	0.21	0.235	0					0.65
6.333	0.00	0.21	0.234	0					0.65
6.417	0.00	0.21	0.232	0					0.64
6.500	0.00	0.21	0.231	0					0.64
6.583	0.00	0.20	0.229	0					0.64
6.667	0.00	0.20	0.228	0					0.63
6.750	0.00	0.20	0.227	0					0.63
6.833	0.00	0.20	0.225	0					0.63
6.917	0.00	0.20	0.224	0					0.62
7.000	0.00	0.20	0.222	0					0.62
7.083	0.00	0.20	0.221	0					0.61
7.167	0.00	0.20	0.220	0					0.61
7.250	0.00	0.19	0.218	0					0.61
7.333	0.00	0.19	0.217	0					0.60
7.417	0.00	0.19	0.216	0					0.60
7.500	0.00	0.19	0.214	0					0.60
7.583	0.00	0.19	0.213	0					0.59
7.667	0.00	0.19	0.212	0					0.59
7.750	0.00	0.19	0.210	0					0.58
7.833	0.00	0.19	0.209	0					0.58
7.917	0.00	0.18	0.208	0					0.58
8.000	0.00	0.18	0.207	0					0.57
8.083	0.00	0.18	0.205	0					0.57
8.167	0.00	0.18	0.204	0					0.57
8.250	0.00	0.18	0.203	0					0.56
8.333	0.00	0.18	0.202	0					0.56
8.417	0.00	0.18	0.200	0					0.56
8.500	0.00	0.18	0.199	0					0.55
8.583	0.00	0.18	0.198	0					0.55
8.667	0.00	0.17	0.197	0					0.55
8.750	0.00	0.17	0.196	0					0.54
8.833	0.00	0.17	0.194	0					0.54
8.917	0.00	0.17	0.193	0					0.54
9.000	0.00	0.17	0.192	0					0.53
9.083	0.00	0.17	0.191	0					0.53
9.167	0.00	0.17	0.190	0					0.53
9.250	0.00	0.17	0.189	0					0.52
9.333	0.00	0.17	0.187	0					0.52
9.417	0.00	0.17	0.186	0					0.52
9.500	0.00	0.16	0.185	0					0.51
9.583	0.00	0.16	0.184	0					0.51
9.667	0.00	0.16	0.183	0					0.51
9.750	0.00	0.16	0.182	0					0.50
9.833	0.00	0.16	0.181	0					0.50
9.917	0.00	0.16	0.179	0					0.50
10.000	0.00	0.16	0.178	0					0.50
10.083	0.00	0.16	0.177	0					0.49
10.167	0.00	0.16	0.176	0					0.49
10.250	0.00	0.16	0.175	0					0.49
10.333	0.00	0.15	0.174	0					0.48
10.417	0.00	0.15	0.173	0					0.48
10.500	0.00	0.15	0.172	0					0.48
10.583	0.00	0.15	0.171	0					0.47
10.667	0.00	0.15	0.170	0					0.47
10.750	0.00	0.15	0.169	0					0.47
10.833	0.00	0.15	0.168	0					0.47
10.917	0.00	0.15	0.167	0					0.46
11.000	0.00	0.15	0.166	0					0.46
11.083	0.00	0.15	0.165	0					0.46
11.167	0.00	0.15	0.164	0					0.45
11.250	0.00	0.14	0.163	0					0.45
11.333	0.00	0.14	0.162	0					0.45
11.417	0.00	0.14	0.161	0					0.45
11.500	0.00	0.14	0.160	0					0.44
11.583	0.00	0.14	0.159	0					0.44
11.667	0.00	0.14	0.158	0					0.44
11.750	0.00	0.14	0.157	0					0.44
11.833	0.00	0.14	0.156	0					0.43
11.917	0.00	0.14	0.155	0					0.43
12.000	0.00	0.14	0.154	0					0.43

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

12.083	0.00	0.14	0.153	0					0.43
12.167	0.00	0.14	0.152	0					0.42
12.250	0.00	0.13	0.151	0					0.42
12.333	0.00	0.13	0.150	0					0.42
12.417	0.00	0.13	0.149	0					0.41
12.500	0.00	0.13	0.148	0					0.41
12.583	0.00	0.13	0.148	0					0.41
12.667	0.00	0.13	0.147	0					0.41
12.750	0.00	0.13	0.146	0					0.40
12.833	0.00	0.13	0.145	0					0.40
12.917	0.00	0.13	0.144	0					0.40
13.000	0.00	0.13	0.143	0					0.40
13.083	0.00	0.13	0.142	0					0.40
13.167	0.00	0.13	0.141	0					0.39
13.250	0.00	0.12	0.141	0					0.39
13.333	0.00	0.12	0.140	0					0.39
13.417	0.00	0.12	0.139	0					0.39
13.500	0.00	0.12	0.138	0					0.38
13.583	0.00	0.12	0.137	0					0.38
13.667	0.00	0.12	0.136	0					0.38
13.750	0.00	0.12	0.135	0					0.38
13.833	0.00	0.12	0.135	0					0.37
13.917	0.00	0.12	0.134	0					0.37
14.000	0.00	0.12	0.133	0					0.37
14.083	0.00	0.12	0.132	0					0.37
14.167	0.00	0.12	0.131	0					0.36
14.250	0.00	0.12	0.131	0					0.36
14.333	0.00	0.12	0.130	0					0.36
14.417	0.00	0.11	0.129	0					0.36
14.500	0.00	0.11	0.128	0					0.36
14.583	0.00	0.11	0.127	0					0.35
14.667	0.00	0.11	0.127	0					0.35
14.750	0.00	0.11	0.126	0					0.35
14.833	0.00	0.11	0.125	0					0.35
14.917	0.00	0.11	0.124	0					0.35
15.000	0.00	0.11	0.124	0					0.34
15.083	0.00	0.11	0.123	0					0.34
15.167	0.00	0.11	0.122	0					0.34
15.250	0.00	0.11	0.121	0					0.34
15.333	0.00	0.11	0.121	0					0.33
15.417	0.00	0.11	0.120	0					0.33
15.500	0.00	0.11	0.119	0					0.33
15.583	0.00	0.11	0.118	0					0.33
15.667	0.00	0.10	0.118	0					0.33
15.750	0.00	0.10	0.117	0					0.32
15.833	0.00	0.10	0.116	0					0.32
15.917	0.00	0.10	0.116	0					0.32
16.000	0.00	0.10	0.115	0					0.32
16.083	0.00	0.10	0.114	0					0.32
16.167	0.00	0.10	0.113	0					0.32
16.250	0.00	0.10	0.113	0					0.31
16.333	0.00	0.10	0.112	0					0.31
16.417	0.00	0.10	0.111	0					0.31
16.500	0.00	0.10	0.111	0					0.31
16.583	0.00	0.10	0.110	0					0.31
16.667	0.00	0.10	0.109	0					0.30
16.750	0.00	0.10	0.109	0					0.30
16.833	0.00	0.10	0.108	0					0.30
16.917	0.00	0.10	0.107	0					0.30
17.000	0.00	0.09	0.107	0					0.30
17.083	0.00	0.09	0.106	0					0.29
17.167	0.00	0.09	0.105	0					0.29
17.250	0.00	0.09	0.105	0					0.29
17.333	0.00	0.09	0.104	0					0.29
17.417	0.00	0.09	0.103	0					0.29
17.500	0.00	0.09	0.103	0					0.29
17.583	0.00	0.09	0.102	0					0.28
17.667	0.00	0.09	0.102	0					0.28
17.750	0.00	0.09	0.101	0					0.28
17.833	0.00	0.09	0.100	0					0.28
17.917	0.00	0.09	0.100	0					0.28
18.000	0.00	0.09	0.099	0					0.28

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

18.083	0.00	0.09	0.099	0					0.27
18.167	0.00	0.09	0.098	0					0.27
18.250	0.00	0.09	0.097	0					0.27
18.333	0.00	0.09	0.097	0					0.27
18.417	0.00	0.09	0.096	0					0.27
18.500	0.00	0.08	0.096	0					0.27
18.583	0.00	0.08	0.095	0					0.26
18.667	0.00	0.08	0.094	0					0.26
18.750	0.00	0.08	0.094	0					0.26
18.833	0.00	0.08	0.093	0					0.26
18.917	0.00	0.08	0.093	0					0.26
19.000	0.00	0.08	0.092	0					0.26
19.083	0.00	0.08	0.092	0					0.25
19.167	0.00	0.08	0.091	0					0.25
19.250	0.00	0.08	0.090	0					0.25
19.333	0.00	0.08	0.090	0					0.25
19.417	0.00	0.08	0.089	0					0.25
19.500	0.00	0.08	0.089	0					0.25
19.583	0.00	0.08	0.088	0					0.25
19.667	0.00	0.08	0.088	0					0.24
19.750	0.00	0.08	0.087	0					0.24
19.833	0.00	0.08	0.087	0					0.24
19.917	0.00	0.08	0.086	0					0.24
20.000	0.00	0.08	0.086	0					0.24
20.083	0.00	0.08	0.085	0					0.24
20.167	0.00	0.08	0.085	0					0.23
20.250	0.00	0.07	0.084	0					0.23
20.333	0.00	0.07	0.084	0					0.23
20.417	0.00	0.07	0.083	0					0.23
20.500	0.00	0.07	0.082	0					0.23
20.583	0.00	0.07	0.082	0					0.23
20.667	0.00	0.07	0.081	0					0.23
20.750	0.00	0.07	0.081	0					0.22
20.833	0.00	0.07	0.080	0					0.22
20.917	0.00	0.07	0.080	0					0.22
21.000	0.00	0.07	0.080	0					0.22
21.083	0.00	0.07	0.079	0					0.22
21.167	0.00	0.07	0.079	0					0.22
21.250	0.00	0.07	0.078	0					0.22
21.333	0.00	0.07	0.078	0					0.22
21.417	0.00	0.07	0.077	0					0.21
21.500	0.00	0.07	0.077	0					0.21
21.583	0.00	0.07	0.076	0					0.21
21.667	0.00	0.07	0.076	0					0.21
21.750	0.00	0.07	0.075	0					0.21
21.833	0.00	0.07	0.075	0					0.21
21.917	0.00	0.07	0.074	0					0.21
22.000	0.00	0.07	0.074	0					0.21
22.083	0.00	0.07	0.073	0					0.20
22.167	0.00	0.06	0.073	0					0.20
22.250	0.00	0.06	0.073	0					0.20
22.333	0.00	0.06	0.072	0					0.20
22.417	0.00	0.06	0.072	0					0.20
22.500	0.00	0.06	0.071	0					0.20
22.583	0.00	0.06	0.071	0					0.20
22.667	0.00	0.06	0.070	0					0.20
22.750	0.00	0.06	0.070	0					0.19
22.833	0.00	0.06	0.069	0					0.19
22.917	0.00	0.06	0.069	0					0.19
23.000	0.00	0.06	0.069	0					0.19
23.083	0.00	0.06	0.068	0					0.19
23.167	0.00	0.06	0.068	0					0.19
23.250	0.00	0.06	0.067	0					0.19
23.333	0.00	0.06	0.067	0					0.19
23.417	0.00	0.06	0.067	0					0.18
23.500	0.00	0.06	0.066	0					0.18
23.583	0.00	0.06	0.066	0					0.18
23.667	0.00	0.06	0.065	0					0.18
23.750	0.00	0.06	0.065	0					0.18
23.833	0.00	0.06	0.065	0					0.18
23.917	0.00	0.06	0.064	0					0.18
24.000	0.00	0.06	0.064	0					0.18

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

24.083	0.00	0.06	0.063	0					0.18
24.167	0.00	0.06	0.063	0					0.18
24.250	0.00	0.06	0.063	0					0.17
24.333	0.00	0.06	0.062	0					0.17
24.417	0.00	0.05	0.062	0					0.17
24.500	0.00	0.05	0.061	0					0.17
24.583	0.00	0.05	0.061	0					0.17
24.667	0.00	0.05	0.061	0					0.17
24.750	0.00	0.05	0.060	0					0.17
24.833	0.00	0.05	0.060	0					0.17
24.917	0.00	0.05	0.060	0					0.17
25.000	0.00	0.05	0.059	0					0.16
25.083	0.00	0.05	0.059	0					0.16
25.167	0.00	0.05	0.059	0					0.16
25.250	0.00	0.05	0.058	0					0.16
25.333	0.00	0.05	0.058	0					0.16
25.417	0.00	0.05	0.057	0					0.16
25.500	0.00	0.05	0.057	0					0.16
25.583	0.00	0.05	0.057	0					0.16
25.667	0.00	0.05	0.056	0					0.16
25.750	0.00	0.05	0.056	0					0.16
25.833	0.00	0.05	0.056	0					0.15
25.917	0.00	0.05	0.055	0					0.15
26.000	0.00	0.05	0.055	0					0.15
26.083	0.00	0.05	0.055	0					0.15
26.167	0.00	0.05	0.054	0					0.15
26.250	0.00	0.05	0.054	0					0.15
26.333	0.00	0.05	0.054	0					0.15
26.417	0.00	0.05	0.053	0					0.15
26.500	0.00	0.05	0.053	0					0.15
26.583	0.00	0.05	0.053	0					0.15
26.667	0.00	0.05	0.052	0					0.15
26.750	0.00	0.05	0.052	0					0.14
26.833	0.00	0.05	0.052	0					0.14
26.917	0.00	0.05	0.051	0					0.14
27.000	0.00	0.05	0.051	0					0.14
27.083	0.00	0.05	0.051	0					0.14
27.167	0.00	0.04	0.051	0					0.14
27.250	0.00	0.04	0.050	0					0.14
27.333	0.00	0.04	0.050	0					0.14
27.417	0.00	0.04	0.050	0					0.14
27.500	0.00	0.04	0.049	0					0.14
27.583	0.00	0.04	0.049	0					0.14
27.667	0.00	0.04	0.049	0					0.14
27.750	0.00	0.04	0.048	0					0.13
27.833	0.00	0.04	0.048	0					0.13
27.917	0.00	0.04	0.048	0					0.13
28.000	0.00	0.04	0.048	0					0.13
28.083	0.00	0.04	0.047	0					0.13
28.167	0.00	0.04	0.047	0					0.13
28.250	0.00	0.04	0.047	0					0.13
28.333	0.00	0.04	0.046	0					0.13
28.417	0.00	0.04	0.046	0					0.13
28.500	0.00	0.04	0.046	0					0.13
28.583	0.00	0.04	0.046	0					0.13
28.667	0.00	0.04	0.045	0					0.13
28.750	0.00	0.04	0.045	0					0.12
28.833	0.00	0.04	0.045	0					0.12
28.917	0.00	0.04	0.044	0					0.12
29.000	0.00	0.04	0.044	0					0.12
29.083	0.00	0.04	0.044	0					0.12
29.167	0.00	0.04	0.044	0					0.12
29.250	0.00	0.04	0.043	0					0.12
29.333	0.00	0.04	0.043	0					0.12
29.417	0.00	0.04	0.043	0					0.12
29.500	0.00	0.04	0.043	0					0.12
29.583	0.00	0.04	0.042	0					0.12
29.667	0.00	0.04	0.042	0					0.12
29.750	0.00	0.04	0.042	0					0.12
29.833	0.00	0.04	0.042	0					0.12
29.917	0.00	0.04	0.041	0					0.11
30.000	0.00	0.04	0.041	0					0.11

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

30.083	0.00	0.04	0.041	0					0.11
30.167	0.00	0.04	0.041	0					0.11
30.250	0.00	0.04	0.040	0					0.11
30.333	0.00	0.04	0.040	0					0.11
30.417	0.00	0.04	0.040	0					0.11
30.500	0.00	0.04	0.040	0					0.11
30.583	0.00	0.03	0.039	0					0.11
30.667	0.00	0.03	0.039	0					0.11
30.750	0.00	0.03	0.039	0					0.11
30.833	0.00	0.03	0.039	0					0.11
30.917	0.00	0.03	0.038	0					0.11
31.000	0.00	0.03	0.038	0					0.11
31.083	0.00	0.03	0.038	0					0.11
31.167	0.00	0.03	0.038	0					0.10
31.250	0.00	0.03	0.037	0					0.10
31.333	0.00	0.03	0.037	0					0.10
31.417	0.00	0.03	0.037	0					0.10
31.500	0.00	0.03	0.037	0					0.10
31.583	0.00	0.03	0.037	0					0.10
31.667	0.00	0.03	0.036	0					0.10
31.750	0.00	0.03	0.036	0					0.10
31.833	0.00	0.03	0.036	0					0.10
31.917	0.00	0.03	0.036	0					0.10
32.000	0.00	0.03	0.035	0					0.10
32.083	0.00	0.03	0.035	0					0.10
32.167	0.00	0.03	0.035	0					0.10
32.250	0.00	0.03	0.035	0					0.10
32.333	0.00	0.03	0.035	0					0.10
32.417	0.00	0.03	0.034	0					0.10
32.500	0.00	0.03	0.034	0					0.09
32.583	0.00	0.03	0.034	0					0.09
32.667	0.00	0.03	0.034	0					0.09
32.750	0.00	0.03	0.034	0					0.09
32.833	0.00	0.03	0.033	0					0.09
32.917	0.00	0.03	0.033	0					0.09
33.000	0.00	0.03	0.033	0					0.09
33.083	0.00	0.03	0.033	0					0.09
33.167	0.00	0.03	0.033	0					0.09
33.250	0.00	0.03	0.032	0					0.09
33.333	0.00	0.03	0.032	0					0.09
33.417	0.00	0.03	0.032	0					0.09
33.500	0.00	0.03	0.032	0					0.09
33.583	0.00	0.03	0.032	0					0.09
33.667	0.00	0.03	0.031	0					0.09
33.750	0.00	0.03	0.031	0					0.09
33.833	0.00	0.03	0.031	0					0.09
33.917	0.00	0.03	0.031	0					0.09
34.000	0.00	0.03	0.031	0					0.08
34.083	0.00	0.03	0.030	0					0.08
34.167	0.00	0.03	0.030	0					0.08
34.250	0.00	0.03	0.030	0					0.08
34.333	0.00	0.03	0.030	0					0.08
34.417	0.00	0.03	0.030	0					0.08
34.500	0.00	0.03	0.029	0					0.08
34.583	0.00	0.03	0.029	0					0.08
34.667	0.00	0.03	0.029	0					0.08
34.750	0.00	0.03	0.029	0					0.08
34.833	0.00	0.03	0.029	0					0.08
34.917	0.00	0.03	0.029	0					0.08
35.000	0.00	0.03	0.028	0					0.08
35.083	0.00	0.03	0.028	0					0.08
35.167	0.00	0.02	0.028	0					0.08
35.250	0.00	0.02	0.028	0					0.08
35.333	0.00	0.02	0.028	0					0.08
35.417	0.00	0.02	0.028	0					0.08
35.500	0.00	0.02	0.027	0					0.08
35.583	0.00	0.02	0.027	0					0.08
35.667	0.00	0.02	0.027	0					0.08
35.750	0.00	0.02	0.027	0					0.07
35.833	0.00	0.02	0.027	0					0.07
35.917	0.00	0.02	0.027	0					0.07
36.000	0.00	0.02	0.026	0					0.07

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

36.083	0.00	0.02	0.026	0					0.07
36.167	0.00	0.02	0.026	0					0.07
36.250	0.00	0.02	0.026	0					0.07
36.333	0.00	0.02	0.026	0					0.07
36.417	0.00	0.02	0.026	0					0.07
36.500	0.00	0.02	0.025	0					0.07
36.583	0.00	0.02	0.025	0					0.07
36.667	0.00	0.02	0.025	0					0.07
36.750	0.00	0.02	0.025	0					0.07
36.833	0.00	0.02	0.025	0					0.07
36.917	0.00	0.02	0.025	0					0.07
37.000	0.00	0.02	0.025	0					0.07
37.083	0.00	0.02	0.024	0					0.07
37.167	0.00	0.02	0.024	0					0.07
37.250	0.00	0.02	0.024	0					0.07
37.333	0.00	0.02	0.024	0					0.07
37.417	0.00	0.02	0.024	0					0.07
37.500	0.00	0.02	0.024	0					0.07
37.583	0.00	0.02	0.024	0					0.07
37.667	0.00	0.02	0.023	0					0.06
37.750	0.00	0.02	0.023	0					0.06
37.833	0.00	0.02	0.023	0					0.06
37.917	0.00	0.02	0.023	0					0.06
38.000	0.00	0.02	0.023	0					0.06
38.083	0.00	0.02	0.023	0					0.06
38.167	0.00	0.02	0.023	0					0.06
38.250	0.00	0.02	0.022	0					0.06
38.333	0.00	0.02	0.022	0					0.06
38.417	0.00	0.02	0.022	0					0.06
38.500	0.00	0.02	0.022	0					0.06
38.583	0.00	0.02	0.022	0					0.06
38.667	0.00	0.02	0.022	0					0.06
38.750	0.00	0.02	0.022	0					0.06
38.833	0.00	0.02	0.021	0					0.06
38.917	0.00	0.02	0.021	0					0.06
39.000	0.00	0.02	0.021	0					0.06
39.083	0.00	0.02	0.021	0					0.06
39.167	0.00	0.02	0.021	0					0.06
39.250	0.00	0.02	0.021	0					0.06
39.333	0.00	0.02	0.021	0					0.06
39.417	0.00	0.02	0.021	0					0.06
39.500	0.00	0.02	0.020	0					0.06
39.583	0.00	0.02	0.020	0					0.06
39.667	0.00	0.02	0.020	0					0.06
39.750	0.00	0.02	0.020	0					0.06
39.833	0.00	0.02	0.020	0					0.06
39.917	0.00	0.02	0.020	0					0.06
40.000	0.00	0.02	0.020	0					0.05
40.083	0.00	0.02	0.020	0					0.05
40.167	0.00	0.02	0.019	0					0.05
40.250	0.00	0.02	0.019	0					0.05
40.333	0.00	0.02	0.019	0					0.05
40.417	0.00	0.02	0.019	0					0.05
40.500	0.00	0.02	0.019	0					0.05
40.583	0.00	0.02	0.019	0					0.05
40.667	0.00	0.02	0.019	0					0.05
40.750	0.00	0.02	0.019	0					0.05
40.833	0.00	0.02	0.019	0					0.05
40.917	0.00	0.02	0.018	0					0.05
41.000	0.00	0.02	0.018	0					0.05
41.083	0.00	0.02	0.018	0					0.05
41.167	0.00	0.02	0.018	0					0.05
41.250	0.00	0.02	0.018	0					0.05
41.333	0.00	0.02	0.018	0					0.05
41.417	0.00	0.02	0.018	0					0.05
41.500	0.00	0.02	0.018	0					0.05
41.583	0.00	0.02	0.018	0					0.05
41.667	0.00	0.02	0.017	0					0.05
41.750	0.00	0.02	0.017	0					0.05
41.833	0.00	0.02	0.017	0					0.05
41.917	0.00	0.02	0.017	0					0.05
42.000	0.00	0.02	0.017	0					0.05

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

42.083	0.00	0.02	0.017	0					0.05
42.167	0.00	0.01	0.017	0					0.05
42.250	0.00	0.01	0.017	0					0.05
42.333	0.00	0.01	0.017	0					0.05
42.417	0.00	0.01	0.016	0					0.05
42.500	0.00	0.01	0.016	0					0.05
42.583	0.00	0.01	0.016	0					0.05
42.667	0.00	0.01	0.016	0					0.04
42.750	0.00	0.01	0.016	0					0.04
42.833	0.00	0.01	0.016	0					0.04
42.917	0.00	0.01	0.016	0					0.04
43.000	0.00	0.01	0.016	0					0.04
43.083	0.00	0.01	0.016	0					0.04
43.167	0.00	0.01	0.016	0					0.04
43.250	0.00	0.01	0.016	0					0.04
43.333	0.00	0.01	0.015	0					0.04
43.417	0.00	0.01	0.015	0					0.04
43.500	0.00	0.01	0.015	0					0.04
43.583	0.00	0.01	0.015	0					0.04
43.667	0.00	0.01	0.015	0					0.04
43.750	0.00	0.01	0.015	0					0.04
43.833	0.00	0.01	0.015	0					0.04
43.917	0.00	0.01	0.015	0					0.04
44.000	0.00	0.01	0.015	0					0.04
44.083	0.00	0.01	0.015	0					0.04
44.167	0.00	0.01	0.014	0					0.04
44.250	0.00	0.01	0.014	0					0.04
44.333	0.00	0.01	0.014	0					0.04
44.417	0.00	0.01	0.014	0					0.04
44.500	0.00	0.01	0.014	0					0.04
44.583	0.00	0.01	0.014	0					0.04
44.667	0.00	0.01	0.014	0					0.04
44.750	0.00	0.01	0.014	0					0.04
44.833	0.00	0.01	0.014	0					0.04
44.917	0.00	0.01	0.014	0					0.04
45.000	0.00	0.01	0.014	0					0.04
45.083	0.00	0.01	0.014	0					0.04
45.167	0.00	0.01	0.013	0					0.04
45.250	0.00	0.01	0.013	0					0.04
45.333	0.00	0.01	0.013	0					0.04
45.417	0.00	0.01	0.013	0					0.04
45.500	0.00	0.01	0.013	0					0.04
45.583	0.00	0.01	0.013	0					0.04
45.667	0.00	0.01	0.013	0					0.04
45.750	0.00	0.01	0.013	0					0.04
45.833	0.00	0.01	0.013	0					0.04
45.917	0.00	0.01	0.013	0					0.04
46.000	0.00	0.01	0.013	0					0.04
46.083	0.00	0.01	0.013	0					0.03
46.167	0.00	0.01	0.013	0					0.03
46.250	0.00	0.01	0.012	0					0.03
46.333	0.00	0.01	0.012	0					0.03
46.417	0.00	0.01	0.012	0					0.03
46.500	0.00	0.01	0.012	0					0.03
46.583	0.00	0.01	0.012	0					0.03
46.667	0.00	0.01	0.012	0					0.03
46.750	0.00	0.01	0.012	0					0.03
46.833	0.00	0.01	0.012	0					0.03
46.917	0.00	0.01	0.012	0					0.03
47.000	0.00	0.01	0.012	0					0.03
47.083	0.00	0.01	0.012	0					0.03
47.167	0.00	0.01	0.012	0					0.03
47.250	0.00	0.01	0.012	0					0.03
47.333	0.00	0.01	0.011	0					0.03
47.417	0.00	0.01	0.011	0					0.03
47.500	0.00	0.01	0.011	0					0.03
47.583	0.00	0.01	0.011	0					0.03
47.667	0.00	0.01	0.011	0					0.03
47.750	0.00	0.01	0.011	0					0.03
47.833	0.00	0.01	0.011	0					0.03
47.917	0.00	0.01	0.011	0					0.03
48.000	0.00	0.01	0.011	0					0.03

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

48.083	0.00	0.01	0.011	0					0.03
48.167	0.00	0.01	0.011	0					0.03
48.250	0.00	0.01	0.011	0					0.03
48.333	0.00	0.01	0.011	0					0.03
48.417	0.00	0.01	0.011	0					0.03
48.500	0.00	0.01	0.011	0					0.03
48.583	0.00	0.01	0.010	0					0.03
48.667	0.00	0.01	0.010	0					0.03
48.750	0.00	0.01	0.010	0					0.03
48.833	0.00	0.01	0.010	0					0.03
48.917	0.00	0.01	0.010	0					0.03
49.000	0.00	0.01	0.010	0					0.03
49.083	0.00	0.01	0.010	0					0.03
49.167	0.00	0.01	0.010	0					0.03
49.250	0.00	0.01	0.010	0					0.03
49.333	0.00	0.01	0.010	0					0.03
49.417	0.00	0.01	0.010	0					0.03
49.500	0.00	0.01	0.010	0					0.03
49.583	0.00	0.01	0.010	0					0.03
49.667	0.00	0.01	0.010	0					0.03
49.750	0.00	0.01	0.010	0					0.03
49.833	0.00	0.01	0.010	0					0.03
49.917	0.00	0.01	0.010	0					0.03
50.000	0.00	0.01	0.009	0					0.03
50.083	0.00	0.01	0.009	0					0.03
50.167	0.00	0.01	0.009	0					0.03
50.250	0.00	0.01	0.009	0					0.03
50.333	0.00	0.01	0.009	0					0.03
50.417	0.00	0.01	0.009	0					0.03
50.500	0.00	0.01	0.009	0					0.03
50.583	0.00	0.01	0.009	0					0.03
50.667	0.00	0.01	0.009	0					0.02
50.750	0.00	0.01	0.009	0					0.02
50.833	0.00	0.01	0.009	0					0.02
50.917	0.00	0.01	0.009	0					0.02
51.000	0.00	0.01	0.009	0					0.02
51.083	0.00	0.01	0.009	0					0.02
51.167	0.00	0.01	0.009	0					0.02
51.250	0.00	0.01	0.009	0					0.02
51.333	0.00	0.01	0.009	0					0.02
51.417	0.00	0.01	0.009	0					0.02
51.500	0.00	0.01	0.008	0					0.02
51.583	0.00	0.01	0.008	0					0.02
51.667	0.00	0.01	0.008	0					0.02
51.750	0.00	0.01	0.008	0					0.02
51.833	0.00	0.01	0.008	0					0.02
51.917	0.00	0.01	0.008	0					0.02
52.000	0.00	0.01	0.008	0					0.02
52.083	0.00	0.01	0.008	0					0.02
52.167	0.00	0.01	0.008	0					0.02
52.250	0.00	0.01	0.008	0					0.02
52.333	0.00	0.01	0.008	0					0.02
52.417	0.00	0.01	0.008	0					0.02
52.500	0.00	0.01	0.008	0					0.02
52.583	0.00	0.01	0.008	0					0.02
52.667	0.00	0.01	0.008	0					0.02
52.750	0.00	0.01	0.008	0					0.02
52.833	0.00	0.01	0.008	0					0.02
52.917	0.00	0.01	0.008	0					0.02
53.000	0.00	0.01	0.008	0					0.02
53.083	0.00	0.01	0.008	0					0.02
53.167	0.00	0.01	0.007	0					0.02
53.250	0.00	0.01	0.007	0					0.02
53.333	0.00	0.01	0.007	0					0.02
53.417	0.00	0.01	0.007	0					0.02
53.500	0.00	0.01	0.007	0					0.02
53.583	0.00	0.01	0.007	0					0.02
53.667	0.00	0.01	0.007	0					0.02
53.750	0.00	0.01	0.007	0					0.02
53.833	0.00	0.01	0.007	0					0.02
53.917	0.00	0.01	0.007	0					0.02
54.000	0.00	0.01	0.007	0					0.02

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

54.083	0.00	0.01	0.007	0					0.02
54.167	0.00	0.01	0.007	0					0.02
54.250	0.00	0.01	0.007	0					0.02
54.333	0.00	0.01	0.007	0					0.02
54.417	0.00	0.01	0.007	0					0.02
54.500	0.00	0.01	0.007	0					0.02
54.583	0.00	0.01	0.007	0					0.02
54.667	0.00	0.01	0.007	0					0.02
54.750	0.00	0.01	0.007	0					0.02
54.833	0.00	0.01	0.007	0					0.02
54.917	0.00	0.01	0.007	0					0.02
55.000	0.00	0.01	0.007	0					0.02
55.083	0.00	0.01	0.007	0					0.02
55.167	0.00	0.01	0.006	0					0.02
55.250	0.00	0.01	0.006	0					0.02
55.333	0.00	0.01	0.006	0					0.02
55.417	0.00	0.01	0.006	0					0.02
55.500	0.00	0.01	0.006	0					0.02
55.583	0.00	0.01	0.006	0					0.02
55.667	0.00	0.01	0.006	0					0.02
55.750	0.00	0.01	0.006	0					0.02
55.833	0.00	0.01	0.006	0					0.02
55.917	0.00	0.01	0.006	0					0.02
56.000	0.00	0.01	0.006	0					0.02
56.083	0.00	0.01	0.006	0					0.02
56.167	0.00	0.01	0.006	0					0.02
56.250	0.00	0.01	0.006	0					0.02
56.333	0.00	0.01	0.006	0					0.02
56.417	0.00	0.01	0.006	0					0.02
56.500	0.00	0.01	0.006	0					0.02
56.583	0.00	0.01	0.006	0					0.02
56.667	0.00	0.01	0.006	0					0.02
56.750	0.00	0.01	0.006	0					0.02
56.833	0.00	0.01	0.006	0					0.02
56.917	0.00	0.01	0.006	0					0.02
57.000	0.00	0.01	0.006	0					0.02
57.083	0.00	0.00	0.006	0					0.02
57.167	0.00	0.00	0.006	0					0.02
57.250	0.00	0.00	0.006	0					0.02
57.333	0.00	0.00	0.006	0					0.02
57.417	0.00	0.00	0.005	0					0.02
57.500	0.00	0.00	0.005	0					0.02
57.583	0.00	0.00	0.005	0					0.02
57.667	0.00	0.00	0.005	0					0.01
57.750	0.00	0.00	0.005	0					0.01
57.833	0.00	0.00	0.005	0					0.01
57.917	0.00	0.00	0.005	0					0.01
58.000	0.00	0.00	0.005	0					0.01
58.083	0.00	0.00	0.005	0					0.01
58.167	0.00	0.00	0.005	0					0.01
58.250	0.00	0.00	0.005	0					0.01
58.333	0.00	0.00	0.005	0					0.01
58.417	0.00	0.00	0.005	0					0.01
58.500	0.00	0.00	0.005	0					0.01
58.583	0.00	0.00	0.005	0					0.01
58.667	0.00	0.00	0.005	0					0.01
58.750	0.00	0.00	0.005	0					0.01
58.833	0.00	0.00	0.005	0					0.01
58.917	0.00	0.00	0.005	0					0.01
59.000	0.00	0.00	0.005	0					0.01
59.083	0.00	0.00	0.005	0					0.01
59.167	0.00	0.00	0.005	0					0.01
59.250	0.00	0.00	0.005	0					0.01
59.333	0.00	0.00	0.005	0					0.01
59.417	0.00	0.00	0.005	0					0.01
59.500	0.00	0.00	0.005	0					0.01
59.583	0.00	0.00	0.005	0					0.01
59.667	0.00	0.00	0.005	0					0.01
59.750	0.00	0.00	0.005	0					0.01
59.833	0.00	0.00	0.005	0					0.01
59.917	0.00	0.00	0.005	0					0.01
60.000	0.00	0.00	0.005	0					0.01

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

60.083	0.00	0.00	0.005	0					0.01
60.167	0.00	0.00	0.004	0					0.01
60.250	0.00	0.00	0.004	0					0.01
60.333	0.00	0.00	0.004	0					0.01
60.417	0.00	0.00	0.004	0					0.01
60.500	0.00	0.00	0.004	0					0.01
60.583	0.00	0.00	0.004	0					0.01
60.667	0.00	0.00	0.004	0					0.01
60.750	0.00	0.00	0.004	0					0.01
60.833	0.00	0.00	0.004	0					0.01
60.917	0.00	0.00	0.004	0					0.01
61.000	0.00	0.00	0.004	0					0.01
61.083	0.00	0.00	0.004	0					0.01
61.167	0.00	0.00	0.004	0					0.01
61.250	0.00	0.00	0.004	0					0.01
61.333	0.00	0.00	0.004	0					0.01
61.417	0.00	0.00	0.004	0					0.01
61.500	0.00	0.00	0.004	0					0.01
61.583	0.00	0.00	0.004	0					0.01
61.667	0.00	0.00	0.004	0					0.01
61.750	0.00	0.00	0.004	0					0.01
61.833	0.00	0.00	0.004	0					0.01
61.917	0.00	0.00	0.004	0					0.01
62.000	0.00	0.00	0.004	0					0.01
62.083	0.00	0.00	0.004	0					0.01
62.167	0.00	0.00	0.004	0					0.01
62.250	0.00	0.00	0.004	0					0.01
62.333	0.00	0.00	0.004	0					0.01
62.417	0.00	0.00	0.004	0					0.01
62.500	0.00	0.00	0.004	0					0.01
62.583	0.00	0.00	0.004	0					0.01
62.667	0.00	0.00	0.004	0					0.01
62.750	0.00	0.00	0.004	0					0.01
62.833	0.00	0.00	0.004	0					0.01
62.917	0.00	0.00	0.004	0					0.01
63.000	0.00	0.00	0.004	0					0.01
63.083	0.00	0.00	0.004	0					0.01
63.167	0.00	0.00	0.004	0					0.01
63.250	0.00	0.00	0.004	0					0.01
63.333	0.00	0.00	0.004	0					0.01
63.417	0.00	0.00	0.004	0					0.01
63.500	0.00	0.00	0.004	0					0.01
63.583	0.00	0.00	0.003	0					0.01
63.667	0.00	0.00	0.003	0					0.01
63.750	0.00	0.00	0.003	0					0.01
63.833	0.00	0.00	0.003	0					0.01
63.917	0.00	0.00	0.003	0					0.01
64.000	0.00	0.00	0.003	0					0.01
64.083	0.00	0.00	0.003	0					0.01
64.167	0.00	0.00	0.003	0					0.01
64.250	0.00	0.00	0.003	0					0.01
64.333	0.00	0.00	0.003	0					0.01
64.417	0.00	0.00	0.003	0					0.01
64.500	0.00	0.00	0.003	0					0.01
64.583	0.00	0.00	0.003	0					0.01
64.667	0.00	0.00	0.003	0					0.01
64.750	0.00	0.00	0.003	0					0.01
64.833	0.00	0.00	0.003	0					0.01
64.917	0.00	0.00	0.003	0					0.01
65.000	0.00	0.00	0.003	0					0.01
65.083	0.00	0.00	0.003	0					0.01
65.167	0.00	0.00	0.003	0					0.01
65.250	0.00	0.00	0.003	0					0.01
65.333	0.00	0.00	0.003	0					0.01
65.417	0.00	0.00	0.003	0					0.01
65.500	0.00	0.00	0.003	0					0.01
65.583	0.00	0.00	0.003	0					0.01
65.667	0.00	0.00	0.003	0					0.01
65.750	0.00	0.00	0.003	0					0.01
65.833	0.00	0.00	0.003	0					0.01
65.917	0.00	0.00	0.003	0					0.01
66.000	0.00	0.00	0.003	0					0.01

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

66.083	0.00	0.00	0.003	0					0.01
66.167	0.00	0.00	0.003	0					0.01
66.250	0.00	0.00	0.003	0					0.01
66.333	0.00	0.00	0.003	0					0.01
66.417	0.00	0.00	0.003	0					0.01
66.500	0.00	0.00	0.003	0					0.01
66.583	0.00	0.00	0.003	0					0.01
66.667	0.00	0.00	0.003	0					0.01
66.750	0.00	0.00	0.003	0					0.01
66.833	0.00	0.00	0.003	0					0.01
66.917	0.00	0.00	0.003	0					0.01
67.000	0.00	0.00	0.003	0					0.01
67.083	0.00	0.00	0.003	0					0.01
67.167	0.00	0.00	0.003	0					0.01
67.250	0.00	0.00	0.003	0					0.01
67.333	0.00	0.00	0.003	0					0.01
67.417	0.00	0.00	0.003	0					0.01
67.500	0.00	0.00	0.003	0					0.01
67.583	0.00	0.00	0.003	0					0.01
67.667	0.00	0.00	0.003	0					0.01
67.750	0.00	0.00	0.003	0					0.01
67.833	0.00	0.00	0.003	0					0.01
67.917	0.00	0.00	0.003	0					0.01
68.000	0.00	0.00	0.003	0					0.01
68.083	0.00	0.00	0.003	0					0.01
68.167	0.00	0.00	0.002	0					0.01
68.250	0.00	0.00	0.002	0					0.01
68.333	0.00	0.00	0.002	0					0.01
68.417	0.00	0.00	0.002	0					0.01
68.500	0.00	0.00	0.002	0					0.01
68.583	0.00	0.00	0.002	0					0.01
68.667	0.00	0.00	0.002	0					0.01
68.750	0.00	0.00	0.002	0					0.01
68.833	0.00	0.00	0.002	0					0.01
68.917	0.00	0.00	0.002	0					0.01
69.000	0.00	0.00	0.002	0					0.01
69.083	0.00	0.00	0.002	0					0.01
69.167	0.00	0.00	0.002	0					0.01
69.250	0.00	0.00	0.002	0					0.01
69.333	0.00	0.00	0.002	0					0.01
69.417	0.00	0.00	0.002	0					0.01
69.500	0.00	0.00	0.002	0					0.01
69.583	0.00	0.00	0.002	0					0.01
69.667	0.00	0.00	0.002	0					0.01
69.750	0.00	0.00	0.002	0					0.01
69.833	0.00	0.00	0.002	0					0.01
69.917	0.00	0.00	0.002	0					0.01
70.000	0.00	0.00	0.002	0					0.01
70.083	0.00	0.00	0.002	0					0.01
70.167	0.00	0.00	0.002	0					0.01
70.250	0.00	0.00	0.002	0					0.01
70.333	0.00	0.00	0.002	0					0.01
70.417	0.00	0.00	0.002	0					0.01
70.500	0.00	0.00	0.002	0					0.01
70.583	0.00	0.00	0.002	0					0.01
70.667	0.00	0.00	0.002	0					0.01
70.750	0.00	0.00	0.002	0					0.01
70.833	0.00	0.00	0.002	0					0.01
70.917	0.00	0.00	0.002	0					0.01
71.000	0.00	0.00	0.002	0					0.01
71.083	0.00	0.00	0.002	0					0.01
71.167	0.00	0.00	0.002	0					0.01
71.250	0.00	0.00	0.002	0					0.01
71.333	0.00	0.00	0.002	0					0.01
71.417	0.00	0.00	0.002	0					0.01
71.500	0.00	0.00	0.002	0					0.01
71.583	0.00	0.00	0.002	0					0.01
71.667	0.00	0.00	0.002	0					0.01
71.750	0.00	0.00	0.002	0					0.01
71.833	0.00	0.00	0.002	0					0.01
71.917	0.00	0.00	0.002	0					0.01
72.000	0.00	0.00	0.002	0					0.01

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

72.083	0.00	0.00	0.002	0					0.01
72.167	0.00	0.00	0.002	0					0.01
72.250	0.00	0.00	0.002	0					0.01
72.333	0.00	0.00	0.002	0					0.01
72.417	0.00	0.00	0.002	0					0.01
72.500	0.00	0.00	0.002	0					0.01
72.583	0.00	0.00	0.002	0					0.00
72.667	0.00	0.00	0.002	0					0.00
72.750	0.00	0.00	0.002	0					0.00
72.833	0.00	0.00	0.002	0					0.00
72.917	0.00	0.00	0.002	0					0.00
73.000	0.00	0.00	0.002	0					0.00
73.083	0.00	0.00	0.002	0					0.00
73.167	0.00	0.00	0.002	0					0.00
73.250	0.00	0.00	0.002	0					0.00
73.333	0.00	0.00	0.002	0					0.00
73.417	0.00	0.00	0.002	0					0.00
73.500	0.00	0.00	0.002	0					0.00
73.583	0.00	0.00	0.002	0					0.00
73.667	0.00	0.00	0.002	0					0.00
73.750	0.00	0.00	0.002	0					0.00
73.833	0.00	0.00	0.002	0					0.00
73.917	0.00	0.00	0.002	0					0.00
74.000	0.00	0.00	0.002	0					0.00
74.083	0.00	0.00	0.002	0					0.00
74.167	0.00	0.00	0.002	0					0.00
74.250	0.00	0.00	0.002	0					0.00
74.333	0.00	0.00	0.002	0					0.00
74.417	0.00	0.00	0.002	0					0.00
74.500	0.00	0.00	0.002	0					0.00
74.583	0.00	0.00	0.002	0					0.00
74.667	0.00	0.00	0.002	0					0.00
74.750	0.00	0.00	0.002	0					0.00
74.833	0.00	0.00	0.002	0					0.00
74.917	0.00	0.00	0.002	0					0.00
75.000	0.00	0.00	0.002	0					0.00
75.083	0.00	0.00	0.001	0					0.00
75.167	0.00	0.00	0.001	0					0.00
75.250	0.00	0.00	0.001	0					0.00
75.333	0.00	0.00	0.001	0					0.00
75.417	0.00	0.00	0.001	0					0.00
75.500	0.00	0.00	0.001	0					0.00
75.583	0.00	0.00	0.001	0					0.00
75.667	0.00	0.00	0.001	0					0.00
75.750	0.00	0.00	0.001	0					0.00
75.833	0.00	0.00	0.001	0					0.00
75.917	0.00	0.00	0.001	0					0.00
76.000	0.00	0.00	0.001	0					0.00
76.083	0.00	0.00	0.001	0					0.00
76.167	0.00	0.00	0.001	0					0.00
76.250	0.00	0.00	0.001	0					0.00
76.333	0.00	0.00	0.001	0					0.00
76.417	0.00	0.00	0.001	0					0.00
76.500	0.00	0.00	0.001	0					0.00
76.583	0.00	0.00	0.001	0					0.00
76.667	0.00	0.00	0.001	0					0.00
76.750	0.00	0.00	0.001	0					0.00
76.833	0.00	0.00	0.001	0					0.00
76.917	0.00	0.00	0.001	0					0.00
77.000	0.00	0.00	0.001	0					0.00
77.083	0.00	0.00	0.001	0					0.00
77.167	0.00	0.00	0.001	0					0.00
77.250	0.00	0.00	0.001	0					0.00
77.333	0.00	0.00	0.001	0					0.00
77.417	0.00	0.00	0.001	0					0.00
77.500	0.00	0.00	0.001	0					0.00
77.583	0.00	0.00	0.001	0					0.00
77.667	0.00	0.00	0.001	0					0.00
77.750	0.00	0.00	0.001	0					0.00
77.833	0.00	0.00	0.001	0					0.00
77.917	0.00	0.00	0.001	0					0.00
78.000	0.00	0.00	0.001	0					0.00

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

78.083	0.00	0.00	0.001	0					0.00
78.167	0.00	0.00	0.001	0					0.00
78.250	0.00	0.00	0.001	0					0.00
78.333	0.00	0.00	0.001	0					0.00
78.417	0.00	0.00	0.001	0					0.00
78.500	0.00	0.00	0.001	0					0.00
78.583	0.00	0.00	0.001	0					0.00
78.667	0.00	0.00	0.001	0					0.00
78.750	0.00	0.00	0.001	0					0.00
78.833	0.00	0.00	0.001	0					0.00
78.917	0.00	0.00	0.001	0					0.00
79.000	0.00	0.00	0.001	0					0.00

Remaining water in basin = 0.00 (Ac.Ft)

```

*****HYDROGRAPH DATA*****
      Number of intervals = 948
      Time interval = 5.0 (Min.)
      Maximum/Peak flow rate = 0.302 (CFS)
      Total volume = 0.352 (Ac.Ft)
      Status of hydrographs being held in storage
      Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
      Peak (CFS) 0.000 0.000 0.000 0.000 0.000
      Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000
*****

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Glen Ivy Senior Living

ATTACHMENT D – Detention Basin Routing

FLOOD HYDROGRAPH ROUTING PROGRAM
 Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2005
 Study date: 08/18/20

 Glen Ivy Senior Living
 Inflow Hydrograph Calculations
 Detention Basin A
 2-year 3-hour storm

Program License Serial Number 4029

 ***** HYDROGRAPH INFORMATION *****
 From study/file name: sh2pr32.rte
 *****HYDROGRAPH DATA*****
 Number of intervals = 39
 Time interval = 5.0 (Min.)
 Maximum/Peak flow rate = 6.679 (CFS)
 Total volume = 0.593 (Ac.Ft)
 Status of hydrographs being held in storage
 Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
 Peak (CFS) 0.000 0.000 0.000 0.000 0.000
 Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
 Process from Point/Station 10.000 to Point/Station 11.000
 **** RETARDING BASIN ROUTING ****

 User entry of depth-outflow-storage data

 Total number of inflow hydrograph intervals = 39
 Hydrograph time unit = 5.000 (Min.)
 Initial depth in storage basin = 0.00 (Ft.)

 Initial basin depth = 0.00 (Ft.)
 Initial basin storage = 0.00 (Ac.Ft)
 Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:
 Basin Depth Storage Outflow (S-O*dt/2) (S+O*dt/2)
 (Ft.) (Ac.Ft) (CFS) (Ac.Ft) (Ac.Ft)

0.000	0.000	0.000	0.000	0.000
1.000	0.360	0.320	0.359	0.361
2.000	0.810	0.460	0.808	0.812
3.000	1.310	0.680	1.308	1.312
4.000	1.860	0.880	1.857	1.863
5.000	2.470	6.320	2.448	2.492
6.000	3.140	16.140	3.084	3.196

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	Depth (Ft.)
0.083	0.50	0.00	0.002	0.00

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

0.167	0.97	0.01	0.007	O	I						0.02
0.250	0.99	0.01	0.013	O	I						0.04
0.333	1.11	0.02	0.021	O	I						0.06
0.417	1.24	0.03	0.029	O	I						0.08
0.500	1.38	0.03	0.037	O	I						0.10
0.583	1.39	0.04	0.047	O	I						0.13
0.667	1.42	0.05	0.056	O	I						0.16
0.750	1.51	0.06	0.066	O	I						0.18
0.833	1.41	0.07	0.075	O	I						0.21
0.917	1.35	0.08	0.084	O	I						0.23
1.000	1.44	0.08	0.093	O	I						0.26
1.083	1.66	0.09	0.104	O	I						0.29
1.167	1.83	0.10	0.115	O	I						0.32
1.250	1.86	0.11	0.127	O	I						0.35
1.333	1.80	0.12	0.139	O	I						0.39
1.417	1.96	0.13	0.151	O	I						0.42
1.500	2.20	0.15	0.164	O	I						0.46
1.583	2.16	0.16	0.178	O	I						0.49
1.667	2.19	0.17	0.192	O	I						0.53
1.750	2.51	0.18	0.207	O	I		I				0.57
1.833	2.67	0.20	0.223	O	I		I				0.62
1.917	2.57	0.21	0.240	O	I		I				0.67
2.000	2.54	0.23	0.256	O	I		I				0.71
2.083	2.59	0.24	0.272	O	I		I				0.76
2.167	3.05	0.26	0.290	O	I		I				0.81
2.250	3.77	0.28	0.312	O	I		I				0.87
2.333	3.57	0.30	0.335	O	I		I				0.93
2.417	4.43	0.32	0.360	O	I		I		I		1.00
2.500	5.84	0.33	0.393	O	I		I		I		1.07
2.583	6.68	0.34	0.434	O	I		I		I		1.16
2.667	6.19	0.36	0.476	O	I		I		I		1.26
2.750	3.80	0.37	0.508	O	I		I		I		1.33
2.833	2.14	0.37	0.526	O	I		I		I		1.37
2.917	1.69	0.37	0.536	O	I		I		I		1.39
3.000	1.08	0.38	0.543	O	I		I		I		1.41
3.083	0.41	0.38	0.546	O	I		I		I		1.41
3.167	0.10	0.38	0.545	O	I		I		I		1.41
3.250	0.02	0.38	0.543	O	I		I		I		1.41
3.333	0.00	0.38	0.540	O	I		I		I		1.40
3.417	0.00	0.38	0.538	O	I		I		I		1.40
3.500	0.00	0.37	0.535	O	I		I		I		1.39
3.583	0.00	0.37	0.533	O	I		I		I		1.38
3.667	0.00	0.37	0.530	O	I		I		I		1.38
3.750	0.00	0.37	0.528	O	I		I		I		1.37
3.833	0.00	0.37	0.525	O	I		I		I		1.37
3.917	0.00	0.37	0.522	O	I		I		I		1.36
4.000	0.00	0.37	0.520	O	I		I		I		1.36
4.083	0.00	0.37	0.517	O	I		I		I		1.35
4.167	0.00	0.37	0.515	O	I		I		I		1.34
4.250	0.00	0.37	0.512	O	I		I		I		1.34
4.333	0.00	0.37	0.510	O	I		I		I		1.33
4.417	0.00	0.37	0.507	O	I		I		I		1.33
4.500	0.00	0.37	0.505	O	I		I		I		1.32
4.583	0.00	0.36	0.502	O	I		I		I		1.32
4.667	0.00	0.36	0.500	O	I		I		I		1.31
4.750	0.00	0.36	0.497	O	I		I		I		1.30
4.833	0.00	0.36	0.495	O	I		I		I		1.30
4.917	0.00	0.36	0.492	O	I		I		I		1.29
5.000	0.00	0.36	0.490	O	I		I		I		1.29
5.083	0.00	0.36	0.487	O	I		I		I		1.28
5.167	0.00	0.36	0.485	O	I		I		I		1.28
5.250	0.00	0.36	0.482	O	I		I		I		1.27
5.333	0.00	0.36	0.480	O	I		I		I		1.27
5.417	0.00	0.36	0.477	O	I		I		I		1.26
5.500	0.00	0.36	0.475	O	I		I		I		1.26
5.583	0.00	0.36	0.473	O	I		I		I		1.25
5.667	0.00	0.35	0.470	O	I		I		I		1.24
5.750	0.00	0.35	0.468	O	I		I		I		1.24
5.833	0.00	0.35	0.465	O	I		I		I		1.23
5.917	0.00	0.35	0.463	O	I		I		I		1.23
6.000	0.00	0.35	0.460	O	I		I		I		1.22
6.083	0.00	0.35	0.458	O	I		I		I		1.22

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

6.167	0.00	0.35	0.456	IO					1.21
6.250	0.00	0.35	0.453	IO					1.21
6.333	0.00	0.35	0.451	IO					1.20
6.417	0.00	0.35	0.448	IO					1.20
6.500	0.00	0.35	0.446	IO					1.19
6.583	0.00	0.35	0.444	IO					1.19
6.667	0.00	0.35	0.441	IO					1.18
6.750	0.00	0.34	0.439	IO					1.18
6.833	0.00	0.34	0.436	IO					1.17
6.917	0.00	0.34	0.434	IO					1.16
7.000	0.00	0.34	0.432	IO					1.16
7.083	0.00	0.34	0.429	IO					1.15
7.167	0.00	0.34	0.427	IO					1.15
7.250	0.00	0.34	0.425	IO					1.14
7.333	0.00	0.34	0.422	IO					1.14
7.417	0.00	0.34	0.420	IO					1.13
7.500	0.00	0.34	0.418	IO					1.13
7.583	0.00	0.34	0.415	IO					1.12
7.667	0.00	0.34	0.413	IO					1.12
7.750	0.00	0.34	0.411	IO					1.11
7.833	0.00	0.34	0.408	IO					1.11
7.917	0.00	0.33	0.406	IO					1.10
8.000	0.00	0.33	0.404	IO					1.10
8.083	0.00	0.33	0.401	IO					1.09
8.167	0.00	0.33	0.399	IO					1.09
8.250	0.00	0.33	0.397	IO					1.08
8.333	0.00	0.33	0.395	IO					1.08
8.417	0.00	0.33	0.392	IO					1.07
8.500	0.00	0.33	0.390	IO					1.07
8.583	0.00	0.33	0.388	IO					1.06
8.667	0.00	0.33	0.386	IO					1.06
8.750	0.00	0.33	0.383	IO					1.05
8.833	0.00	0.33	0.381	IO					1.05
8.917	0.00	0.33	0.379	IO					1.04
9.000	0.00	0.33	0.377	IO					1.04
9.083	0.00	0.32	0.374	IO					1.03
9.167	0.00	0.32	0.372	IO					1.03
9.250	0.00	0.32	0.370	IO					1.02
9.333	0.00	0.32	0.368	IO					1.02
9.417	0.00	0.32	0.365	IO					1.01
9.500	0.00	0.32	0.363	IO					1.01
9.583	0.00	0.32	0.361	IO					1.00
9.667	0.00	0.32	0.359	IO					1.00
9.750	0.00	0.32	0.357	IO					0.99
9.833	0.00	0.32	0.354	IO					0.98
9.917	0.00	0.31	0.352	IO					0.98
10.000	0.00	0.31	0.350	IO					0.97
10.083	0.00	0.31	0.348	IO					0.97
10.167	0.00	0.31	0.346	IO					0.96
10.250	0.00	0.31	0.344	IO					0.95
10.333	0.00	0.30	0.342	IO					0.95
10.417	0.00	0.30	0.340	IO					0.94
10.500	0.00	0.30	0.337	IO					0.94
10.583	0.00	0.30	0.335	IO					0.93
10.667	0.00	0.30	0.333	IO					0.93
10.750	0.00	0.29	0.331	IO					0.92
10.833	0.00	0.29	0.329	IO					0.91
10.917	0.00	0.29	0.327	IO					0.91
11.000	0.00	0.29	0.325	IO					0.90
11.083	0.00	0.29	0.323	IO					0.90
11.167	0.00	0.29	0.321	IO					0.89
11.250	0.00	0.28	0.319	IO					0.89
11.333	0.00	0.28	0.317	IO					0.88
11.417	0.00	0.28	0.316	IO					0.88
11.500	0.00	0.28	0.314	IO					0.87
11.583	0.00	0.28	0.312	IO					0.87
11.667	0.00	0.28	0.310	IO					0.86
11.750	0.00	0.27	0.308	IO					0.86
11.833	0.00	0.27	0.306	IO					0.85
11.917	0.00	0.27	0.304	IO					0.84
12.000	0.00	0.27	0.302	IO					0.84
12.083	0.00	0.27	0.300	IO					0.83

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

12.167	0.00	0.27	0.299	IO					0.83
12.250	0.00	0.26	0.297	IO					0.82
12.333	0.00	0.26	0.295	IO					0.82
12.417	0.00	0.26	0.293	IO					0.81
12.500	0.00	0.26	0.291	IO					0.81
12.583	0.00	0.26	0.290	IO					0.80
12.667	0.00	0.26	0.288	IO					0.80
12.750	0.00	0.25	0.286	IO					0.79
12.833	0.00	0.25	0.284	IO					0.79
12.917	0.00	0.25	0.283	IO					0.78
13.000	0.00	0.25	0.281	IO					0.78
13.083	0.00	0.25	0.279	IO					0.78
13.167	0.00	0.25	0.277	IO					0.77
13.250	0.00	0.25	0.276	IO					0.77
13.333	0.00	0.24	0.274	IO					0.76
13.417	0.00	0.24	0.272	IO					0.76
13.500	0.00	0.24	0.271	IO					0.75
13.583	0.00	0.24	0.269	IO					0.75
13.667	0.00	0.24	0.267	IO					0.74
13.750	0.00	0.24	0.266	IO					0.74
13.833	0.00	0.23	0.264	IO					0.73
13.917	0.00	0.23	0.263	IO					0.73
14.000	0.00	0.23	0.261	IO					0.72
14.083	0.00	0.23	0.259	IO					0.72
14.167	0.00	0.23	0.258	IO					0.72
14.250	0.00	0.23	0.256	IO					0.71
14.333	0.00	0.23	0.255	IO					0.71
14.417	0.00	0.22	0.253	IO					0.70
14.500	0.00	0.22	0.252	IO					0.70
14.583	0.00	0.22	0.250	IO					0.69
14.667	0.00	0.22	0.248	IO					0.69
14.750	0.00	0.22	0.247	IO					0.69
14.833	0.00	0.22	0.245	IO					0.68
14.917	0.00	0.22	0.244	IO					0.68
15.000	0.00	0.22	0.242	IO					0.67
15.083	0.00	0.21	0.241	IO					0.67
15.167	0.00	0.21	0.240	IO					0.67
15.250	0.00	0.21	0.238	IO					0.66
15.333	0.00	0.21	0.237	IO					0.66
15.417	0.00	0.21	0.235	IO					0.65
15.500	0.00	0.21	0.234	O					0.65
15.583	0.00	0.21	0.232	O					0.65
15.667	0.00	0.21	0.231	O					0.64
15.750	0.00	0.20	0.229	O					0.64
15.833	0.00	0.20	0.228	O					0.63
15.917	0.00	0.20	0.227	O					0.63
16.000	0.00	0.20	0.225	O					0.63
16.083	0.00	0.20	0.224	O					0.62
16.167	0.00	0.20	0.223	O					0.62
16.250	0.00	0.20	0.221	O					0.61
16.333	0.00	0.20	0.220	O					0.61
16.417	0.00	0.19	0.219	O					0.61
16.500	0.00	0.19	0.217	O					0.60
16.583	0.00	0.19	0.216	O					0.60
16.667	0.00	0.19	0.215	O					0.60
16.750	0.00	0.19	0.213	O					0.59
16.833	0.00	0.19	0.212	O					0.59
16.917	0.00	0.19	0.211	O					0.59
17.000	0.00	0.19	0.209	O					0.58
17.083	0.00	0.18	0.208	O					0.58
17.167	0.00	0.18	0.207	O					0.57
17.250	0.00	0.18	0.206	O					0.57
17.333	0.00	0.18	0.204	O					0.57
17.417	0.00	0.18	0.203	O					0.56
17.500	0.00	0.18	0.202	O					0.56
17.583	0.00	0.18	0.201	O					0.56
17.667	0.00	0.18	0.199	O					0.55
17.750	0.00	0.18	0.198	O					0.55
17.833	0.00	0.18	0.197	O					0.55
17.917	0.00	0.17	0.196	O					0.54
18.000	0.00	0.17	0.195	O					0.54
18.083	0.00	0.17	0.193	O					0.54

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

18.167	0.00	0.17	0.192	0					0.53
18.250	0.00	0.17	0.191	0					0.53
18.333	0.00	0.17	0.190	0					0.53
18.417	0.00	0.17	0.189	0					0.52
18.500	0.00	0.17	0.188	0					0.52
18.583	0.00	0.17	0.186	0					0.52
18.667	0.00	0.16	0.185	0					0.51
18.750	0.00	0.16	0.184	0					0.51
18.833	0.00	0.16	0.183	0					0.51
18.917	0.00	0.16	0.182	0					0.51
19.000	0.00	0.16	0.181	0					0.50
19.083	0.00	0.16	0.180	0					0.50
19.167	0.00	0.16	0.179	0					0.50
19.250	0.00	0.16	0.177	0					0.49
19.333	0.00	0.16	0.176	0					0.49
19.417	0.00	0.16	0.175	0					0.49
19.500	0.00	0.15	0.174	0					0.48
19.583	0.00	0.15	0.173	0					0.48
19.667	0.00	0.15	0.172	0					0.48
19.750	0.00	0.15	0.171	0					0.48
19.833	0.00	0.15	0.170	0					0.47
19.917	0.00	0.15	0.169	0					0.47
20.000	0.00	0.15	0.168	0					0.47
20.083	0.00	0.15	0.167	0					0.46
20.167	0.00	0.15	0.166	0					0.46
20.250	0.00	0.15	0.165	0					0.46
20.333	0.00	0.15	0.164	0					0.46
20.417	0.00	0.14	0.163	0					0.45
20.500	0.00	0.14	0.162	0					0.45
20.583	0.00	0.14	0.161	0					0.45
20.667	0.00	0.14	0.160	0					0.44
20.750	0.00	0.14	0.159	0					0.44
20.833	0.00	0.14	0.158	0					0.44
20.917	0.00	0.14	0.157	0					0.44
21.000	0.00	0.14	0.156	0					0.43
21.083	0.00	0.14	0.155	0					0.43
21.167	0.00	0.14	0.154	0					0.43
21.250	0.00	0.14	0.153	0					0.43
21.333	0.00	0.14	0.152	0					0.42
21.417	0.00	0.13	0.151	0					0.42
21.500	0.00	0.13	0.150	0					0.42
21.583	0.00	0.13	0.150	0					0.42
21.667	0.00	0.13	0.149	0					0.41
21.750	0.00	0.13	0.148	0					0.41
21.833	0.00	0.13	0.147	0					0.41
21.917	0.00	0.13	0.146	0					0.41
22.000	0.00	0.13	0.145	0					0.40
22.083	0.00	0.13	0.144	0					0.40
22.167	0.00	0.13	0.143	0					0.40
22.250	0.00	0.13	0.142	0					0.40
22.333	0.00	0.13	0.141	0					0.39
22.417	0.00	0.12	0.141	0					0.39
22.500	0.00	0.12	0.140	0					0.39
22.583	0.00	0.12	0.139	0					0.39
22.667	0.00	0.12	0.138	0					0.38
22.750	0.00	0.12	0.137	0					0.38
22.833	0.00	0.12	0.136	0					0.38
22.917	0.00	0.12	0.136	0					0.38
23.000	0.00	0.12	0.135	0					0.37
23.083	0.00	0.12	0.134	0					0.37
23.167	0.00	0.12	0.133	0					0.37
23.250	0.00	0.12	0.132	0					0.37
23.333	0.00	0.12	0.131	0					0.37
23.417	0.00	0.12	0.131	0					0.36
23.500	0.00	0.12	0.130	0					0.36
23.583	0.00	0.11	0.129	0					0.36
23.667	0.00	0.11	0.128	0					0.36
23.750	0.00	0.11	0.128	0					0.35
23.833	0.00	0.11	0.127	0					0.35
23.917	0.00	0.11	0.126	0					0.35
24.000	0.00	0.11	0.125	0					0.35
24.083	0.00	0.11	0.124	0					0.35

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

24.167	0.00	0.11	0.124	0					0.34
24.250	0.00	0.11	0.123	0					0.34
24.333	0.00	0.11	0.122	0					0.34
24.417	0.00	0.11	0.121	0					0.34
24.500	0.00	0.11	0.121	0					0.34
24.583	0.00	0.11	0.120	0					0.33
24.667	0.00	0.11	0.119	0					0.33
24.750	0.00	0.11	0.118	0					0.33
24.833	0.00	0.10	0.118	0					0.33
24.917	0.00	0.10	0.117	0					0.33
25.000	0.00	0.10	0.116	0					0.32
25.083	0.00	0.10	0.116	0					0.32
25.167	0.00	0.10	0.115	0					0.32
25.250	0.00	0.10	0.114	0					0.32
25.333	0.00	0.10	0.114	0					0.32
25.417	0.00	0.10	0.113	0					0.31
25.500	0.00	0.10	0.112	0					0.31
25.583	0.00	0.10	0.111	0					0.31
25.667	0.00	0.10	0.111	0					0.31
25.750	0.00	0.10	0.110	0					0.31
25.833	0.00	0.10	0.109	0					0.30
25.917	0.00	0.10	0.109	0					0.30
26.000	0.00	0.10	0.108	0					0.30
26.083	0.00	0.10	0.107	0					0.30
26.167	0.00	0.09	0.107	0					0.30
26.250	0.00	0.09	0.106	0					0.29
26.333	0.00	0.09	0.105	0					0.29
26.417	0.00	0.09	0.105	0					0.29
26.500	0.00	0.09	0.104	0					0.29
26.583	0.00	0.09	0.104	0					0.29
26.667	0.00	0.09	0.103	0					0.29
26.750	0.00	0.09	0.102	0					0.28
26.833	0.00	0.09	0.102	0					0.28
26.917	0.00	0.09	0.101	0					0.28
27.000	0.00	0.09	0.100	0					0.28
27.083	0.00	0.09	0.100	0					0.28
27.167	0.00	0.09	0.099	0					0.28
27.250	0.00	0.09	0.099	0					0.27
27.333	0.00	0.09	0.098	0					0.27
27.417	0.00	0.09	0.097	0					0.27
27.500	0.00	0.09	0.097	0					0.27
27.583	0.00	0.09	0.096	0					0.27
27.667	0.00	0.08	0.096	0					0.27
27.750	0.00	0.08	0.095	0					0.26
27.833	0.00	0.08	0.094	0					0.26
27.917	0.00	0.08	0.094	0					0.26
28.000	0.00	0.08	0.093	0					0.26
28.083	0.00	0.08	0.093	0					0.26
28.167	0.00	0.08	0.092	0					0.26
28.250	0.00	0.08	0.092	0					0.25
28.333	0.00	0.08	0.091	0					0.25
28.417	0.00	0.08	0.090	0					0.25
28.500	0.00	0.08	0.090	0					0.25
28.583	0.00	0.08	0.089	0					0.25
28.667	0.00	0.08	0.089	0					0.25
28.750	0.00	0.08	0.088	0					0.25
28.833	0.00	0.08	0.088	0					0.24
28.917	0.00	0.08	0.087	0					0.24
29.000	0.00	0.08	0.087	0					0.24
29.083	0.00	0.08	0.086	0					0.24
29.167	0.00	0.08	0.086	0					0.24
29.250	0.00	0.08	0.085	0					0.24
29.333	0.00	0.08	0.085	0					0.24
29.417	0.00	0.07	0.084	0					0.23
29.500	0.00	0.07	0.084	0					0.23
29.583	0.00	0.07	0.083	0					0.23
29.667	0.00	0.07	0.083	0					0.23
29.750	0.00	0.07	0.082	0					0.23
29.833	0.00	0.07	0.082	0					0.23
29.917	0.00	0.07	0.081	0					0.23
30.000	0.00	0.07	0.081	0					0.22
30.083	0.00	0.07	0.080	0					0.22

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

30.167	0.00	0.07	0.080	0					0.22
30.250	0.00	0.07	0.079	0					0.22
30.333	0.00	0.07	0.079	0					0.22
30.417	0.00	0.07	0.078	0					0.22
30.500	0.00	0.07	0.078	0					0.22
30.583	0.00	0.07	0.077	0					0.21
30.667	0.00	0.07	0.077	0					0.21
30.750	0.00	0.07	0.076	0					0.21
30.833	0.00	0.07	0.076	0					0.21
30.917	0.00	0.07	0.075	0					0.21
31.000	0.00	0.07	0.075	0					0.21
31.083	0.00	0.07	0.074	0					0.21
31.167	0.00	0.07	0.074	0					0.21
31.250	0.00	0.07	0.073	0					0.20
31.333	0.00	0.06	0.073	0					0.20
31.417	0.00	0.06	0.073	0					0.20
31.500	0.00	0.06	0.072	0					0.20
31.583	0.00	0.06	0.072	0					0.20
31.667	0.00	0.06	0.071	0					0.20
31.750	0.00	0.06	0.071	0					0.20
31.833	0.00	0.06	0.070	0					0.20
31.917	0.00	0.06	0.070	0					0.19
32.000	0.00	0.06	0.070	0					0.19
32.083	0.00	0.06	0.069	0					0.19
32.167	0.00	0.06	0.069	0					0.19
32.250	0.00	0.06	0.068	0					0.19
32.333	0.00	0.06	0.068	0					0.19
32.417	0.00	0.06	0.067	0					0.19
32.500	0.00	0.06	0.067	0					0.19
32.583	0.00	0.06	0.067	0					0.19
32.667	0.00	0.06	0.066	0					0.18
32.750	0.00	0.06	0.066	0					0.18
32.833	0.00	0.06	0.065	0					0.18
32.917	0.00	0.06	0.065	0					0.18
33.000	0.00	0.06	0.065	0					0.18
33.083	0.00	0.06	0.064	0					0.18
33.167	0.00	0.06	0.064	0					0.18
33.250	0.00	0.06	0.063	0					0.18
33.333	0.00	0.06	0.063	0					0.18
33.417	0.00	0.06	0.063	0					0.17
33.500	0.00	0.06	0.062	0					0.17
33.583	0.00	0.06	0.062	0					0.17
33.667	0.00	0.05	0.062	0					0.17
33.750	0.00	0.05	0.061	0					0.17
33.833	0.00	0.05	0.061	0					0.17
33.917	0.00	0.05	0.060	0					0.17
34.000	0.00	0.05	0.060	0					0.17
34.083	0.00	0.05	0.060	0					0.17
34.167	0.00	0.05	0.059	0					0.16
34.250	0.00	0.05	0.059	0					0.16
34.333	0.00	0.05	0.059	0					0.16
34.417	0.00	0.05	0.058	0					0.16
34.500	0.00	0.05	0.058	0					0.16
34.583	0.00	0.05	0.058	0					0.16
34.667	0.00	0.05	0.057	0					0.16
34.750	0.00	0.05	0.057	0					0.16
34.833	0.00	0.05	0.056	0					0.16
34.917	0.00	0.05	0.056	0					0.16
35.000	0.00	0.05	0.056	0					0.15
35.083	0.00	0.05	0.055	0					0.15
35.167	0.00	0.05	0.055	0					0.15
35.250	0.00	0.05	0.055	0					0.15
35.333	0.00	0.05	0.054	0					0.15
35.417	0.00	0.05	0.054	0					0.15
35.500	0.00	0.05	0.054	0					0.15
35.583	0.00	0.05	0.053	0					0.15
35.667	0.00	0.05	0.053	0					0.15
35.750	0.00	0.05	0.053	0					0.15
35.833	0.00	0.05	0.052	0					0.15
35.917	0.00	0.05	0.052	0					0.14
36.000	0.00	0.05	0.052	0					0.14
36.083	0.00	0.05	0.052	0					0.14

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

36.167	0.00	0.05	0.051	0					0.14
36.250	0.00	0.05	0.051	0					0.14
36.333	0.00	0.04	0.051	0					0.14
36.417	0.00	0.04	0.050	0					0.14
36.500	0.00	0.04	0.050	0					0.14
36.583	0.00	0.04	0.050	0					0.14
36.667	0.00	0.04	0.049	0					0.14
36.750	0.00	0.04	0.049	0					0.14
36.833	0.00	0.04	0.049	0					0.14
36.917	0.00	0.04	0.048	0					0.13
37.000	0.00	0.04	0.048	0					0.13
37.083	0.00	0.04	0.048	0					0.13
37.167	0.00	0.04	0.048	0					0.13
37.250	0.00	0.04	0.047	0					0.13
37.333	0.00	0.04	0.047	0					0.13
37.417	0.00	0.04	0.047	0					0.13
37.500	0.00	0.04	0.046	0					0.13
37.583	0.00	0.04	0.046	0					0.13
37.667	0.00	0.04	0.046	0					0.13
37.750	0.00	0.04	0.046	0					0.13
37.833	0.00	0.04	0.045	0					0.13
37.917	0.00	0.04	0.045	0					0.13
38.000	0.00	0.04	0.045	0					0.12
38.083	0.00	0.04	0.044	0					0.12
38.167	0.00	0.04	0.044	0					0.12
38.250	0.00	0.04	0.044	0					0.12
38.333	0.00	0.04	0.044	0					0.12
38.417	0.00	0.04	0.043	0					0.12
38.500	0.00	0.04	0.043	0					0.12
38.583	0.00	0.04	0.043	0					0.12
38.667	0.00	0.04	0.043	0					0.12
38.750	0.00	0.04	0.042	0					0.12
38.833	0.00	0.04	0.042	0					0.12
38.917	0.00	0.04	0.042	0					0.12
39.000	0.00	0.04	0.042	0					0.12
39.083	0.00	0.04	0.041	0					0.11
39.167	0.00	0.04	0.041	0					0.11
39.250	0.00	0.04	0.041	0					0.11
39.333	0.00	0.04	0.041	0					0.11
39.417	0.00	0.04	0.040	0					0.11
39.500	0.00	0.04	0.040	0					0.11
39.583	0.00	0.04	0.040	0					0.11
39.667	0.00	0.04	0.040	0					0.11
39.750	0.00	0.03	0.039	0					0.11
39.833	0.00	0.03	0.039	0					0.11
39.917	0.00	0.03	0.039	0					0.11
40.000	0.00	0.03	0.039	0					0.11
40.083	0.00	0.03	0.038	0					0.11
40.167	0.00	0.03	0.038	0					0.11
40.250	0.00	0.03	0.038	0					0.11
40.333	0.00	0.03	0.038	0					0.10
40.417	0.00	0.03	0.037	0					0.10
40.500	0.00	0.03	0.037	0					0.10
40.583	0.00	0.03	0.037	0					0.10
40.667	0.00	0.03	0.037	0					0.10
40.750	0.00	0.03	0.037	0					0.10
40.833	0.00	0.03	0.036	0					0.10
40.917	0.00	0.03	0.036	0					0.10
41.000	0.00	0.03	0.036	0					0.10
41.083	0.00	0.03	0.036	0					0.10
41.167	0.00	0.03	0.035	0					0.10
41.250	0.00	0.03	0.035	0					0.10
41.333	0.00	0.03	0.035	0					0.10
41.417	0.00	0.03	0.035	0					0.10
41.500	0.00	0.03	0.035	0					0.10
41.583	0.00	0.03	0.034	0					0.10
41.667	0.00	0.03	0.034	0					0.09
41.750	0.00	0.03	0.034	0					0.09
41.833	0.00	0.03	0.034	0					0.09
41.917	0.00	0.03	0.034	0					0.09
42.000	0.00	0.03	0.033	0					0.09
42.083	0.00	0.03	0.033	0					0.09

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

42.167	0.00	0.03	0.033	0					0.09
42.250	0.00	0.03	0.033	0					0.09
42.333	0.00	0.03	0.033	0					0.09
42.417	0.00	0.03	0.032	0					0.09
42.500	0.00	0.03	0.032	0					0.09
42.583	0.00	0.03	0.032	0					0.09
42.667	0.00	0.03	0.032	0					0.09
42.750	0.00	0.03	0.032	0					0.09
42.833	0.00	0.03	0.031	0					0.09
42.917	0.00	0.03	0.031	0					0.09
43.000	0.00	0.03	0.031	0					0.09
43.083	0.00	0.03	0.031	0					0.09
43.167	0.00	0.03	0.031	0					0.09
43.250	0.00	0.03	0.030	0					0.08
43.333	0.00	0.03	0.030	0					0.08
43.417	0.00	0.03	0.030	0					0.08
43.500	0.00	0.03	0.030	0					0.08
43.583	0.00	0.03	0.030	0					0.08
43.667	0.00	0.03	0.030	0					0.08
43.750	0.00	0.03	0.029	0					0.08
43.833	0.00	0.03	0.029	0					0.08
43.917	0.00	0.03	0.029	0					0.08
44.000	0.00	0.03	0.029	0					0.08
44.083	0.00	0.03	0.029	0					0.08
44.167	0.00	0.03	0.028	0					0.08
44.250	0.00	0.03	0.028	0					0.08
44.333	0.00	0.02	0.028	0					0.08
44.417	0.00	0.02	0.028	0					0.08
44.500	0.00	0.02	0.028	0					0.08
44.583	0.00	0.02	0.028	0					0.08
44.667	0.00	0.02	0.027	0					0.08
44.750	0.00	0.02	0.027	0					0.08
44.833	0.00	0.02	0.027	0					0.08
44.917	0.00	0.02	0.027	0					0.07
45.000	0.00	0.02	0.027	0					0.07
45.083	0.00	0.02	0.027	0					0.07
45.167	0.00	0.02	0.026	0					0.07
45.250	0.00	0.02	0.026	0					0.07
45.333	0.00	0.02	0.026	0					0.07
45.417	0.00	0.02	0.026	0					0.07
45.500	0.00	0.02	0.026	0					0.07
45.583	0.00	0.02	0.026	0					0.07
45.667	0.00	0.02	0.025	0					0.07
45.750	0.00	0.02	0.025	0					0.07
45.833	0.00	0.02	0.025	0					0.07
45.917	0.00	0.02	0.025	0					0.07
46.000	0.00	0.02	0.025	0					0.07
46.083	0.00	0.02	0.025	0					0.07
46.167	0.00	0.02	0.025	0					0.07
46.250	0.00	0.02	0.024	0					0.07
46.333	0.00	0.02	0.024	0					0.07
46.417	0.00	0.02	0.024	0					0.07
46.500	0.00	0.02	0.024	0					0.07
46.583	0.00	0.02	0.024	0					0.07
46.667	0.00	0.02	0.024	0					0.07
46.750	0.00	0.02	0.024	0					0.07
46.833	0.00	0.02	0.023	0					0.06
46.917	0.00	0.02	0.023	0					0.06
47.000	0.00	0.02	0.023	0					0.06
47.083	0.00	0.02	0.023	0					0.06
47.167	0.00	0.02	0.023	0					0.06
47.250	0.00	0.02	0.023	0					0.06
47.333	0.00	0.02	0.023	0					0.06
47.417	0.00	0.02	0.022	0					0.06
47.500	0.00	0.02	0.022	0					0.06
47.583	0.00	0.02	0.022	0					0.06
47.667	0.00	0.02	0.022	0					0.06
47.750	0.00	0.02	0.022	0					0.06
47.833	0.00	0.02	0.022	0					0.06
47.917	0.00	0.02	0.022	0					0.06
48.000	0.00	0.02	0.021	0					0.06
48.083	0.00	0.02	0.021	0					0.06

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

48.167	0.00	0.02	0.021	0					0.06
48.250	0.00	0.02	0.021	0					0.06
48.333	0.00	0.02	0.021	0					0.06
48.417	0.00	0.02	0.021	0					0.06
48.500	0.00	0.02	0.021	0					0.06
48.583	0.00	0.02	0.021	0					0.06
48.667	0.00	0.02	0.020	0					0.06
48.750	0.00	0.02	0.020	0					0.06
48.833	0.00	0.02	0.020	0					0.06
48.917	0.00	0.02	0.020	0					0.06
49.000	0.00	0.02	0.020	0					0.06
49.083	0.00	0.02	0.020	0					0.06
49.167	0.00	0.02	0.020	0					0.05
49.250	0.00	0.02	0.020	0					0.05
49.333	0.00	0.02	0.019	0					0.05
49.417	0.00	0.02	0.019	0					0.05
49.500	0.00	0.02	0.019	0					0.05
49.583	0.00	0.02	0.019	0					0.05
49.667	0.00	0.02	0.019	0					0.05
49.750	0.00	0.02	0.019	0					0.05
49.833	0.00	0.02	0.019	0					0.05
49.917	0.00	0.02	0.019	0					0.05
50.000	0.00	0.02	0.019	0					0.05
50.083	0.00	0.02	0.018	0					0.05
50.167	0.00	0.02	0.018	0					0.05
50.250	0.00	0.02	0.018	0					0.05
50.333	0.00	0.02	0.018	0					0.05
50.417	0.00	0.02	0.018	0					0.05
50.500	0.00	0.02	0.018	0					0.05
50.583	0.00	0.02	0.018	0					0.05
50.667	0.00	0.02	0.018	0					0.05
50.750	0.00	0.02	0.018	0					0.05
50.833	0.00	0.02	0.017	0					0.05
50.917	0.00	0.02	0.017	0					0.05
51.000	0.00	0.02	0.017	0					0.05
51.083	0.00	0.02	0.017	0					0.05
51.167	0.00	0.02	0.017	0					0.05
51.250	0.00	0.02	0.017	0					0.05
51.333	0.00	0.01	0.017	0					0.05
51.417	0.00	0.01	0.017	0					0.05
51.500	0.00	0.01	0.017	0					0.05
51.583	0.00	0.01	0.017	0					0.05
51.667	0.00	0.01	0.016	0					0.05
51.750	0.00	0.01	0.016	0					0.05
51.833	0.00	0.01	0.016	0					0.05
51.917	0.00	0.01	0.016	0					0.04
52.000	0.00	0.01	0.016	0					0.04
52.083	0.00	0.01	0.016	0					0.04
52.167	0.00	0.01	0.016	0					0.04
52.250	0.00	0.01	0.016	0					0.04
52.333	0.00	0.01	0.016	0					0.04
52.417	0.00	0.01	0.016	0					0.04
52.500	0.00	0.01	0.015	0					0.04
52.583	0.00	0.01	0.015	0					0.04
52.667	0.00	0.01	0.015	0					0.04
52.750	0.00	0.01	0.015	0					0.04
52.833	0.00	0.01	0.015	0					0.04
52.917	0.00	0.01	0.015	0					0.04
53.000	0.00	0.01	0.015	0					0.04
53.083	0.00	0.01	0.015	0					0.04
53.167	0.00	0.01	0.015	0					0.04
53.250	0.00	0.01	0.015	0					0.04
53.333	0.00	0.01	0.015	0					0.04
53.417	0.00	0.01	0.014	0					0.04
53.500	0.00	0.01	0.014	0					0.04
53.583	0.00	0.01	0.014	0					0.04
53.667	0.00	0.01	0.014	0					0.04
53.750	0.00	0.01	0.014	0					0.04
53.833	0.00	0.01	0.014	0					0.04
53.917	0.00	0.01	0.014	0					0.04
54.000	0.00	0.01	0.014	0					0.04
54.083	0.00	0.01	0.014	0					0.04

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

54.167	0.00	0.01	0.014	0					0.04
54.250	0.00	0.01	0.014	0					0.04
54.333	0.00	0.01	0.013	0					0.04
54.417	0.00	0.01	0.013	0					0.04
54.500	0.00	0.01	0.013	0					0.04
54.583	0.00	0.01	0.013	0					0.04
54.667	0.00	0.01	0.013	0					0.04
54.750	0.00	0.01	0.013	0					0.04
54.833	0.00	0.01	0.013	0					0.04
54.917	0.00	0.01	0.013	0					0.04
55.000	0.00	0.01	0.013	0					0.04
55.083	0.00	0.01	0.013	0					0.04
55.167	0.00	0.01	0.013	0					0.04
55.250	0.00	0.01	0.013	0					0.04
55.333	0.00	0.01	0.013	0					0.03
55.417	0.00	0.01	0.012	0					0.03
55.500	0.00	0.01	0.012	0					0.03
55.583	0.00	0.01	0.012	0					0.03
55.667	0.00	0.01	0.012	0					0.03
55.750	0.00	0.01	0.012	0					0.03
55.833	0.00	0.01	0.012	0					0.03
55.917	0.00	0.01	0.012	0					0.03
56.000	0.00	0.01	0.012	0					0.03
56.083	0.00	0.01	0.012	0					0.03
56.167	0.00	0.01	0.012	0					0.03
56.250	0.00	0.01	0.012	0					0.03
56.333	0.00	0.01	0.012	0					0.03
56.417	0.00	0.01	0.012	0					0.03
56.500	0.00	0.01	0.011	0					0.03
56.583	0.00	0.01	0.011	0					0.03
56.667	0.00	0.01	0.011	0					0.03
56.750	0.00	0.01	0.011	0					0.03
56.833	0.00	0.01	0.011	0					0.03
56.917	0.00	0.01	0.011	0					0.03
57.000	0.00	0.01	0.011	0					0.03
57.083	0.00	0.01	0.011	0					0.03
57.167	0.00	0.01	0.011	0					0.03
57.250	0.00	0.01	0.011	0					0.03
57.333	0.00	0.01	0.011	0					0.03
57.417	0.00	0.01	0.011	0					0.03
57.500	0.00	0.01	0.011	0					0.03
57.583	0.00	0.01	0.011	0					0.03
57.667	0.00	0.01	0.011	0					0.03
57.750	0.00	0.01	0.010	0					0.03
57.833	0.00	0.01	0.010	0					0.03
57.917	0.00	0.01	0.010	0					0.03
58.000	0.00	0.01	0.010	0					0.03
58.083	0.00	0.01	0.010	0					0.03
58.167	0.00	0.01	0.010	0					0.03
58.250	0.00	0.01	0.010	0					0.03
58.333	0.00	0.01	0.010	0					0.03
58.417	0.00	0.01	0.010	0					0.03
58.500	0.00	0.01	0.010	0					0.03
58.583	0.00	0.01	0.010	0					0.03
58.667	0.00	0.01	0.010	0					0.03
58.750	0.00	0.01	0.010	0					0.03
58.833	0.00	0.01	0.010	0					0.03
58.917	0.00	0.01	0.010	0					0.03
59.000	0.00	0.01	0.010	0					0.03
59.083	0.00	0.01	0.010	0					0.03
59.167	0.00	0.01	0.009	0					0.03
59.250	0.00	0.01	0.009	0					0.03
59.333	0.00	0.01	0.009	0					0.03
59.417	0.00	0.01	0.009	0					0.03
59.500	0.00	0.01	0.009	0					0.03
59.583	0.00	0.01	0.009	0					0.03
59.667	0.00	0.01	0.009	0					0.03
59.750	0.00	0.01	0.009	0					0.03
59.833	0.00	0.01	0.009	0					0.03
59.917	0.00	0.01	0.009	0					0.02
60.000	0.00	0.01	0.009	0					0.02
60.083	0.00	0.01	0.009	0					0.02

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

60.167	0.00	0.01	0.009	0					0.02
60.250	0.00	0.01	0.009	0					0.02
60.333	0.00	0.01	0.009	0					0.02
60.417	0.00	0.01	0.009	0					0.02
60.500	0.00	0.01	0.009	0					0.02
60.583	0.00	0.01	0.009	0					0.02
60.667	0.00	0.01	0.008	0					0.02
60.750	0.00	0.01	0.008	0					0.02
60.833	0.00	0.01	0.008	0					0.02
60.917	0.00	0.01	0.008	0					0.02
61.000	0.00	0.01	0.008	0					0.02
61.083	0.00	0.01	0.008	0					0.02
61.167	0.00	0.01	0.008	0					0.02
61.250	0.00	0.01	0.008	0					0.02
61.333	0.00	0.01	0.008	0					0.02
61.417	0.00	0.01	0.008	0					0.02
61.500	0.00	0.01	0.008	0					0.02
61.583	0.00	0.01	0.008	0					0.02
61.667	0.00	0.01	0.008	0					0.02
61.750	0.00	0.01	0.008	0					0.02
61.833	0.00	0.01	0.008	0					0.02
61.917	0.00	0.01	0.008	0					0.02
62.000	0.00	0.01	0.008	0					0.02
62.083	0.00	0.01	0.008	0					0.02
62.167	0.00	0.01	0.008	0					0.02
62.250	0.00	0.01	0.008	0					0.02
62.333	0.00	0.01	0.007	0					0.02
62.417	0.00	0.01	0.007	0					0.02
62.500	0.00	0.01	0.007	0					0.02
62.583	0.00	0.01	0.007	0					0.02
62.667	0.00	0.01	0.007	0					0.02
62.750	0.00	0.01	0.007	0					0.02
62.833	0.00	0.01	0.007	0					0.02
62.917	0.00	0.01	0.007	0					0.02
63.000	0.00	0.01	0.007	0					0.02
63.083	0.00	0.01	0.007	0					0.02
63.167	0.00	0.01	0.007	0					0.02
63.250	0.00	0.01	0.007	0					0.02
63.333	0.00	0.01	0.007	0					0.02
63.417	0.00	0.01	0.007	0					0.02
63.500	0.00	0.01	0.007	0					0.02
63.583	0.00	0.01	0.007	0					0.02
63.667	0.00	0.01	0.007	0					0.02
63.750	0.00	0.01	0.007	0					0.02
63.833	0.00	0.01	0.007	0					0.02
63.917	0.00	0.01	0.007	0					0.02
64.000	0.00	0.01	0.007	0					0.02
64.083	0.00	0.01	0.007	0					0.02
64.167	0.00	0.01	0.007	0					0.02
64.250	0.00	0.01	0.007	0					0.02
64.333	0.00	0.01	0.006	0					0.02
64.417	0.00	0.01	0.006	0					0.02
64.500	0.00	0.01	0.006	0					0.02
64.583	0.00	0.01	0.006	0					0.02
64.667	0.00	0.01	0.006	0					0.02
64.750	0.00	0.01	0.006	0					0.02
64.833	0.00	0.01	0.006	0					0.02
64.917	0.00	0.01	0.006	0					0.02
65.000	0.00	0.01	0.006	0					0.02
65.083	0.00	0.01	0.006	0					0.02
65.167	0.00	0.01	0.006	0					0.02
65.250	0.00	0.01	0.006	0					0.02
65.333	0.00	0.01	0.006	0					0.02
65.417	0.00	0.01	0.006	0					0.02
65.500	0.00	0.01	0.006	0					0.02
65.583	0.00	0.01	0.006	0					0.02
65.667	0.00	0.01	0.006	0					0.02
65.750	0.00	0.01	0.006	0					0.02
65.833	0.00	0.01	0.006	0					0.02
65.917	0.00	0.01	0.006	0					0.02
66.000	0.00	0.01	0.006	0					0.02
66.083	0.00	0.01	0.006	0					0.02

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

66.167	0.00	0.01	0.006	0					0.02
66.250	0.00	0.00	0.006	0					0.02
66.333	0.00	0.00	0.006	0					0.02
66.417	0.00	0.00	0.006	0					0.02
66.500	0.00	0.00	0.006	0					0.02
66.583	0.00	0.00	0.005	0					0.02
66.667	0.00	0.00	0.005	0					0.02
66.750	0.00	0.00	0.005	0					0.02
66.833	0.00	0.00	0.005	0					0.01
66.917	0.00	0.00	0.005	0					0.01
67.000	0.00	0.00	0.005	0					0.01
67.083	0.00	0.00	0.005	0					0.01
67.167	0.00	0.00	0.005	0					0.01
67.250	0.00	0.00	0.005	0					0.01
67.333	0.00	0.00	0.005	0					0.01
67.417	0.00	0.00	0.005	0					0.01
67.500	0.00	0.00	0.005	0					0.01
67.583	0.00	0.00	0.005	0					0.01
67.667	0.00	0.00	0.005	0					0.01
67.750	0.00	0.00	0.005	0					0.01
67.833	0.00	0.00	0.005	0					0.01
67.917	0.00	0.00	0.005	0					0.01
68.000	0.00	0.00	0.005	0					0.01
68.083	0.00	0.00	0.005	0					0.01
68.167	0.00	0.00	0.005	0					0.01
68.250	0.00	0.00	0.005	0					0.01
68.333	0.00	0.00	0.005	0					0.01
68.417	0.00	0.00	0.005	0					0.01
68.500	0.00	0.00	0.005	0					0.01
68.583	0.00	0.00	0.005	0					0.01
68.667	0.00	0.00	0.005	0					0.01
68.750	0.00	0.00	0.005	0					0.01
68.833	0.00	0.00	0.005	0					0.01
68.917	0.00	0.00	0.005	0					0.01
69.000	0.00	0.00	0.005	0					0.01
69.083	0.00	0.00	0.005	0					0.01
69.167	0.00	0.00	0.005	0					0.01
69.250	0.00	0.00	0.005	0					0.01
69.333	0.00	0.00	0.004	0					0.01
69.417	0.00	0.00	0.004	0					0.01
69.500	0.00	0.00	0.004	0					0.01
69.583	0.00	0.00	0.004	0					0.01
69.667	0.00	0.00	0.004	0					0.01
69.750	0.00	0.00	0.004	0					0.01
69.833	0.00	0.00	0.004	0					0.01
69.917	0.00	0.00	0.004	0					0.01
70.000	0.00	0.00	0.004	0					0.01
70.083	0.00	0.00	0.004	0					0.01
70.167	0.00	0.00	0.004	0					0.01
70.250	0.00	0.00	0.004	0					0.01
70.333	0.00	0.00	0.004	0					0.01
70.417	0.00	0.00	0.004	0					0.01
70.500	0.00	0.00	0.004	0					0.01
70.583	0.00	0.00	0.004	0					0.01
70.667	0.00	0.00	0.004	0					0.01
70.750	0.00	0.00	0.004	0					0.01
70.833	0.00	0.00	0.004	0					0.01
70.917	0.00	0.00	0.004	0					0.01
71.000	0.00	0.00	0.004	0					0.01
71.083	0.00	0.00	0.004	0					0.01
71.167	0.00	0.00	0.004	0					0.01
71.250	0.00	0.00	0.004	0					0.01
71.333	0.00	0.00	0.004	0					0.01
71.417	0.00	0.00	0.004	0					0.01
71.500	0.00	0.00	0.004	0					0.01
71.583	0.00	0.00	0.004	0					0.01
71.667	0.00	0.00	0.004	0					0.01
71.750	0.00	0.00	0.004	0					0.01
71.833	0.00	0.00	0.004	0					0.01
71.917	0.00	0.00	0.004	0					0.01
72.000	0.00	0.00	0.004	0					0.01
72.083	0.00	0.00	0.004	0					0.01

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

72.167	0.00	0.00	0.004	o					0.01
72.250	0.00	0.00	0.004	o					0.01
72.333	0.00	0.00	0.004	o					0.01
72.417	0.00	0.00	0.004	o					0.01
72.500	0.00	0.00	0.004	o					0.01
72.583	0.00	0.00	0.004	o					0.01
72.667	0.00	0.00	0.004	o					0.01
72.750	0.00	0.00	0.003	o					0.01
72.833	0.00	0.00	0.003	o					0.01
72.917	0.00	0.00	0.003	o					0.01
73.000	0.00	0.00	0.003	o					0.01
73.083	0.00	0.00	0.003	o					0.01
73.167	0.00	0.00	0.003	o					0.01
73.250	0.00	0.00	0.003	o					0.01
73.333	0.00	0.00	0.003	o					0.01
73.417	0.00	0.00	0.003	o					0.01
73.500	0.00	0.00	0.003	o					0.01
73.583	0.00	0.00	0.003	o					0.01
73.667	0.00	0.00	0.003	o					0.01
73.750	0.00	0.00	0.003	o					0.01
73.833	0.00	0.00	0.003	o					0.01
73.917	0.00	0.00	0.003	o					0.01
74.000	0.00	0.00	0.003	o					0.01
74.083	0.00	0.00	0.003	o					0.01
74.167	0.00	0.00	0.003	o					0.01
74.250	0.00	0.00	0.003	o					0.01
74.333	0.00	0.00	0.003	o					0.01
74.417	0.00	0.00	0.003	o					0.01
74.500	0.00	0.00	0.003	o					0.01
74.583	0.00	0.00	0.003	o					0.01
74.667	0.00	0.00	0.003	o					0.01
74.750	0.00	0.00	0.003	o					0.01
74.833	0.00	0.00	0.003	o					0.01
74.917	0.00	0.00	0.003	o					0.01
75.000	0.00	0.00	0.003	o					0.01
75.083	0.00	0.00	0.003	o					0.01
75.167	0.00	0.00	0.003	o					0.01
75.250	0.00	0.00	0.003	o					0.01
75.333	0.00	0.00	0.003	o					0.01
75.417	0.00	0.00	0.003	o					0.01
75.500	0.00	0.00	0.003	o					0.01
75.583	0.00	0.00	0.003	o					0.01
75.667	0.00	0.00	0.003	o					0.01
75.750	0.00	0.00	0.003	o					0.01
75.833	0.00	0.00	0.003	o					0.01
75.917	0.00	0.00	0.003	o					0.01
76.000	0.00	0.00	0.003	o					0.01
76.083	0.00	0.00	0.003	o					0.01
76.167	0.00	0.00	0.003	o					0.01
76.250	0.00	0.00	0.003	o					0.01
76.333	0.00	0.00	0.003	o					0.01
76.417	0.00	0.00	0.003	o					0.01
76.500	0.00	0.00	0.003	o					0.01
76.583	0.00	0.00	0.003	o					0.01
76.667	0.00	0.00	0.003	o					0.01
76.750	0.00	0.00	0.003	o					0.01
76.833	0.00	0.00	0.003	o					0.01
76.917	0.00	0.00	0.003	o					0.01
77.000	0.00	0.00	0.003	o					0.01
77.083	0.00	0.00	0.003	o					0.01
77.167	0.00	0.00	0.003	o					0.01
77.250	0.00	0.00	0.003	o					0.01
77.333	0.00	0.00	0.002	o					0.01
77.417	0.00	0.00	0.002	o					0.01
77.500	0.00	0.00	0.002	o					0.01
77.583	0.00	0.00	0.002	o					0.01
77.667	0.00	0.00	0.002	o					0.01
77.750	0.00	0.00	0.002	o					0.01
77.833	0.00	0.00	0.002	o					0.01
77.917	0.00	0.00	0.002	o					0.01
78.000	0.00	0.00	0.002	o					0.01
78.083	0.00	0.00	0.002	o					0.01

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

78.167	0.00	0.00	0.002	0					0.01
78.250	0.00	0.00	0.002	0					0.01
78.333	0.00	0.00	0.002	0					0.01
78.417	0.00	0.00	0.002	0					0.01
78.500	0.00	0.00	0.002	0					0.01
78.583	0.00	0.00	0.002	0					0.01
78.667	0.00	0.00	0.002	0					0.01
78.750	0.00	0.00	0.002	0					0.01
78.833	0.00	0.00	0.002	0					0.01
78.917	0.00	0.00	0.002	0					0.01
79.000	0.00	0.00	0.002	0					0.01
79.083	0.00	0.00	0.002	0					0.01
79.167	0.00	0.00	0.002	0					0.01
79.250	0.00	0.00	0.002	0					0.01
79.333	0.00	0.00	0.002	0					0.01
79.417	0.00	0.00	0.002	0					0.01
79.500	0.00	0.00	0.002	0					0.01
79.583	0.00	0.00	0.002	0					0.01
79.667	0.00	0.00	0.002	0					0.01
79.750	0.00	0.00	0.002	0					0.01
79.833	0.00	0.00	0.002	0					0.01
79.917	0.00	0.00	0.002	0					0.01
80.000	0.00	0.00	0.002	0					0.01
80.083	0.00	0.00	0.002	0					0.01
80.167	0.00	0.00	0.002	0					0.01
80.250	0.00	0.00	0.002	0					0.01
80.333	0.00	0.00	0.002	0					0.01
80.417	0.00	0.00	0.002	0					0.01
80.500	0.00	0.00	0.002	0					0.01
80.583	0.00	0.00	0.002	0					0.01
80.667	0.00	0.00	0.002	0					0.01
80.750	0.00	0.00	0.002	0					0.01
80.833	0.00	0.00	0.002	0					0.01
80.917	0.00	0.00	0.002	0					0.01
81.000	0.00	0.00	0.002	0					0.01
81.083	0.00	0.00	0.002	0					0.01
81.167	0.00	0.00	0.002	0					0.01
81.250	0.00	0.00	0.002	0					0.01
81.333	0.00	0.00	0.002	0					0.01
81.417	0.00	0.00	0.002	0					0.01
81.500	0.00	0.00	0.002	0					0.01
81.583	0.00	0.00	0.002	0					0.01
81.667	0.00	0.00	0.002	0					0.01
81.750	0.00	0.00	0.002	0					0.00
81.833	0.00	0.00	0.002	0					0.00
81.917	0.00	0.00	0.002	0					0.00
82.000	0.00	0.00	0.002	0					0.00
82.083	0.00	0.00	0.002	0					0.00
82.167	0.00	0.00	0.002	0					0.00
82.250	0.00	0.00	0.002	0					0.00
82.333	0.00	0.00	0.002	0					0.00
82.417	0.00	0.00	0.002	0					0.00
82.500	0.00	0.00	0.002	0					0.00
82.583	0.00	0.00	0.002	0					0.00
82.667	0.00	0.00	0.002	0					0.00
82.750	0.00	0.00	0.002	0					0.00
82.833	0.00	0.00	0.002	0					0.00
82.917	0.00	0.00	0.002	0					0.00
83.000	0.00	0.00	0.002	0					0.00
83.083	0.00	0.00	0.002	0					0.00
83.167	0.00	0.00	0.002	0					0.00
83.250	0.00	0.00	0.002	0					0.00
83.333	0.00	0.00	0.002	0					0.00
83.417	0.00	0.00	0.002	0					0.00
83.500	0.00	0.00	0.002	0					0.00
83.583	0.00	0.00	0.002	0					0.00
83.667	0.00	0.00	0.002	0					0.00
83.750	0.00	0.00	0.002	0					0.00
83.833	0.00	0.00	0.002	0					0.00
83.917	0.00	0.00	0.002	0					0.00
84.000	0.00	0.00	0.002	0					0.00
84.083	0.00	0.00	0.002	0					0.00

Glen Ivy Senior Living

ATTACHMENT D – Detention Basin Routing

84.167	0.00	0.00	0.002	0					0.00
84.250	0.00	0.00	0.001	0					0.00
84.333	0.00	0.00	0.001	0					0.00
84.417	0.00	0.00	0.001	0					0.00
84.500	0.00	0.00	0.001	0					0.00
84.583	0.00	0.00	0.001	0					0.00
84.667	0.00	0.00	0.001	0					0.00
84.750	0.00	0.00	0.001	0					0.00
84.833	0.00	0.00	0.001	0					0.00
84.917	0.00	0.00	0.001	0					0.00
85.000	0.00	0.00	0.001	0					0.00
85.083	0.00	0.00	0.001	0					0.00
85.167	0.00	0.00	0.001	0					0.00
85.250	0.00	0.00	0.001	0					0.00
85.333	0.00	0.00	0.001	0					0.00
85.417	0.00	0.00	0.001	0					0.00
85.500	0.00	0.00	0.001	0					0.00
85.583	0.00	0.00	0.001	0					0.00
85.667	0.00	0.00	0.001	0					0.00
85.750	0.00	0.00	0.001	0					0.00
85.833	0.00	0.00	0.001	0					0.00
85.917	0.00	0.00	0.001	0					0.00
86.000	0.00	0.00	0.001	0					0.00
86.083	0.00	0.00	0.001	0					0.00
86.167	0.00	0.00	0.001	0					0.00
86.250	0.00	0.00	0.001	0					0.00
86.333	0.00	0.00	0.001	0					0.00
86.417	0.00	0.00	0.001	0					0.00
86.500	0.00	0.00	0.001	0					0.00
86.583	0.00	0.00	0.001	0					0.00
86.667	0.00	0.00	0.001	0					0.00
86.750	0.00	0.00	0.001	0					0.00
86.833	0.00	0.00	0.001	0					0.00
86.917	0.00	0.00	0.001	0					0.00
87.000	0.00	0.00	0.001	0					0.00
87.083	0.00	0.00	0.001	0					0.00
87.167	0.00	0.00	0.001	0					0.00
87.250	0.00	0.00	0.001	0					0.00
87.333	0.00	0.00	0.001	0					0.00
87.417	0.00	0.00	0.001	0					0.00
87.500	0.00	0.00	0.001	0					0.00
87.583	0.00	0.00	0.001	0					0.00
87.667	0.00	0.00	0.001	0					0.00
87.750	0.00	0.00	0.001	0					0.00
87.833	0.00	0.00	0.001	0					0.00
87.917	0.00	0.00	0.001	0					0.00
88.000	0.00	0.00	0.001	0					0.00
88.083	0.00	0.00	0.001	0					0.00
88.167	0.00	0.00	0.001	0					0.00

Remaining water in basin = 0.00 (Ac.Ft)

```

*****HYDROGRAPH DATA*****
      Number of intervals = 1058
      Time interval = 5.0 (Min.)
      Maximum/Peak flow rate = 0.378 (CFS)
      Total volume = 0.591 (Ac.Ft)
      Status of hydrographs being held in storage
      Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
      Peak (CFS) 0.000 0.000 0.000 0.000 0.000
      Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000
*****

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Glen Ivy Senior Living

ATTACHMENT D – Detention Basin Routing

FLOOD HYDROGRAPH ROUTING PROGRAM
 Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2005
 Study date: 08/18/20

 Glen Ivy Senior Living
 Inflow Hydrograph Calculations
 Detention Basin A
 2-year 6-hour storm

Program License Serial Number 4029

 ***** HYDROGRAPH INFORMATION *****
 From study/file name: sh2pr62.rte
 *****HYDROGRAPH DATA*****
 Number of intervals = 75
 Time interval = 5.0 (Min.)
 Maximum/Peak flow rate = 6.136 (CFS)
 Total volume = 0.820 (Ac.Ft)
 Status of hydrographs being held in storage
 Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
 Peak (CFS) 0.000 0.000 0.000 0.000 0.000
 Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
 Process from Point/Station 10.000 to Point/Station 11.000
 **** RETARDING BASIN ROUTING ****

 User entry of depth-outflow-storage data

 Total number of inflow hydrograph intervals = 75
 Hydrograph time unit = 5.000 (Min.)
 Initial depth in storage basin = 0.00 (Ft.)

 Initial basin depth = 0.00 (Ft.)
 Initial basin storage = 0.00 (Ac.Ft)
 Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.360	0.320	0.359	0.361
2.000	0.810	0.460	0.808	0.812
3.000	1.310	0.680	1.308	1.312
4.000	1.860	0.880	1.857	1.863
5.000	2.470	6.320	2.448	2.492
6.000	3.140	16.140	3.084	3.196

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	Depth (Ft.)
0.083	0.27	0.00	0.001	0.00

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

0.167	0.57	0.00	0.004	O I					0.01
0.250	0.67	0.01	0.008	O I					0.02
0.333	0.71	0.01	0.013	O I					0.04
0.417	0.71	0.02	0.018	O I					0.05
0.500	0.77	0.02	0.023	O I					0.06
0.583	0.82	0.02	0.028	O I					0.08
0.667	0.83	0.03	0.033	O I					0.09
0.750	0.83	0.03	0.039	O I					0.11
0.833	0.83	0.04	0.044	O I					0.12
0.917	0.83	0.04	0.050	O I					0.14
1.000	0.88	0.05	0.055	O I					0.15
1.083	0.94	0.05	0.061	O I					0.17
1.167	0.95	0.06	0.067	O I					0.19
1.250	0.95	0.07	0.073	O I					0.20
1.333	0.95	0.07	0.079	O I					0.22
1.417	0.95	0.08	0.085	O I					0.24
1.500	0.95	0.08	0.091	O I					0.25
1.583	0.95	0.09	0.097	O I					0.27
1.667	0.95	0.09	0.103	O I					0.29
1.750	0.95	0.10	0.109	O I					0.30
1.833	0.95	0.10	0.115	O I					0.32
1.917	0.95	0.11	0.121	O I					0.34
2.000	1.00	0.11	0.127	O I					0.35
2.083	1.00	0.12	0.133	O I					0.37
2.167	1.01	0.12	0.139	O I					0.39
2.250	1.06	0.13	0.145	O I					0.40
2.333	1.06	0.13	0.152	O I					0.42
2.417	1.07	0.14	0.158	O I					0.44
2.500	1.07	0.15	0.165	O I					0.46
2.583	1.07	0.15	0.171	O I					0.47
2.667	1.07	0.16	0.177	O I					0.49
2.750	1.12	0.16	0.184	O I					0.51
2.833	1.17	0.17	0.190	O I					0.53
2.917	1.18	0.18	0.197	O I					0.55
3.000	1.19	0.18	0.204	O I					0.57
3.083	1.19	0.19	0.211	O I					0.59
3.167	1.24	0.19	0.218	O I					0.61
3.250	1.29	0.20	0.226	O I					0.63
3.333	1.30	0.21	0.233	O I					0.65
3.417	1.36	0.21	0.241	O I					0.67
3.500	1.46	0.22	0.249	O I					0.69
3.583	1.58	0.23	0.258	O I					0.72
3.667	1.64	0.24	0.267	O I					0.74
3.750	1.71	0.25	0.277	O I					0.77
3.833	1.77	0.26	0.287	O I					0.80
3.917	1.83	0.26	0.298	O I					0.83
4.000	1.89	0.27	0.309	O I					0.86
4.083	1.95	0.28	0.320	O I					0.89
4.167	2.06	0.30	0.332	O I					0.92
4.250	2.17	0.31	0.345	O I					0.96
4.333	2.29	0.32	0.358	O I					0.99
4.417	2.41	0.32	0.372	O I					1.03
4.500	2.47	0.33	0.386	O I					1.06
4.583	2.54	0.33	0.401	O I					1.09
4.667	2.65	0.34	0.417	O I					1.13
4.750	2.76	0.34	0.433	O I					1.16
4.833	2.83	0.35	0.450	O I					1.20
4.917	2.90	0.35	0.467	O I					1.24
5.000	3.01	0.36	0.485	O I					1.28
5.083	3.33	0.36	0.505	O I					1.32
5.167	3.87	0.37	0.527	O I			I		1.37
5.250	4.34	0.38	0.553	O I			I		1.43
5.333	4.72	0.39	0.581	O I			I		1.49
5.417	5.22	0.40	0.613	O I			I		1.56
5.500	6.14	0.41	0.649	O I			I		1.64
5.583	4.66	0.42	0.683	O I			I		1.72
5.667	2.26	0.43	0.704	O I		I			1.76
5.750	1.24	0.43	0.713	O I		I			1.79
5.833	0.75	0.43	0.717	O I					1.79
5.917	0.52	0.43	0.719	O I					1.80
6.000	0.34	0.43	0.719	O I					1.80
6.083	0.16	0.43	0.717	O I					1.79

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

6.167	0.03	0.43	0.715	I O					1.79
6.250	0.01	0.43	0.712	I O					1.78
6.333	0.00	0.43	0.709	I O					1.78
6.417	0.00	0.43	0.706	I O					1.77
6.500	0.00	0.43	0.703	I O					1.76
6.583	0.00	0.43	0.700	I O					1.76
6.667	0.00	0.42	0.697	I O					1.75
6.750	0.00	0.42	0.695	I O					1.74
6.833	0.00	0.42	0.692	I O					1.74
6.917	0.00	0.42	0.689	I O					1.73
7.000	0.00	0.42	0.686	I O					1.72
7.083	0.00	0.42	0.683	I O					1.72
7.167	0.00	0.42	0.680	I O					1.71
7.250	0.00	0.42	0.677	I O					1.70
7.333	0.00	0.42	0.674	I O					1.70
7.417	0.00	0.42	0.671	I O					1.69
7.500	0.00	0.42	0.669	I O					1.69
7.583	0.00	0.42	0.666	I O					1.68
7.667	0.00	0.41	0.663	I O					1.67
7.750	0.00	0.41	0.660	I O					1.67
7.833	0.00	0.41	0.657	I O					1.66
7.917	0.00	0.41	0.654	I O					1.65
8.000	0.00	0.41	0.651	I O					1.65
8.083	0.00	0.41	0.649	I O					1.64
8.167	0.00	0.41	0.646	I O					1.64
8.250	0.00	0.41	0.643	I O					1.63
8.333	0.00	0.41	0.640	I O					1.62
8.417	0.00	0.41	0.637	I O					1.62
8.500	0.00	0.41	0.635	I O					1.61
8.583	0.00	0.40	0.632	I O					1.60
8.667	0.00	0.40	0.629	I O					1.60
8.750	0.00	0.40	0.626	I O					1.59
8.833	0.00	0.40	0.623	I O					1.59
8.917	0.00	0.40	0.621	I O					1.58
9.000	0.00	0.40	0.618	I O					1.57
9.083	0.00	0.40	0.615	I O					1.57
9.167	0.00	0.40	0.612	I O					1.56
9.250	0.00	0.40	0.610	I O					1.55
9.333	0.00	0.40	0.607	I O					1.55
9.417	0.00	0.40	0.604	I O					1.54
9.500	0.00	0.40	0.601	I O					1.54
9.583	0.00	0.39	0.599	I O					1.53
9.667	0.00	0.39	0.596	I O					1.52
9.750	0.00	0.39	0.593	I O					1.52
9.833	0.00	0.39	0.591	I O					1.51
9.917	0.00	0.39	0.588	I O					1.51
10.000	0.00	0.39	0.585	I O					1.50
10.083	0.00	0.39	0.583	I O					1.49
10.167	0.00	0.39	0.580	I O					1.49
10.250	0.00	0.39	0.577	I O					1.48
10.333	0.00	0.39	0.575	I O					1.48
10.417	0.00	0.39	0.572	I O					1.47
10.500	0.00	0.39	0.569	I O					1.47
10.583	0.00	0.38	0.567	I O					1.46
10.667	0.00	0.38	0.564	IO					1.45
10.750	0.00	0.38	0.561	IO					1.45
10.833	0.00	0.38	0.559	IO					1.44
10.917	0.00	0.38	0.556	IO					1.44
11.000	0.00	0.38	0.553	IO					1.43
11.083	0.00	0.38	0.551	IO					1.42
11.167	0.00	0.38	0.548	IO					1.42
11.250	0.00	0.38	0.546	IO					1.41
11.333	0.00	0.38	0.543	IO					1.41
11.417	0.00	0.38	0.540	IO					1.40
11.500	0.00	0.38	0.538	IO					1.40
11.583	0.00	0.37	0.535	IO					1.39
11.667	0.00	0.37	0.533	IO					1.38
11.750	0.00	0.37	0.530	IO					1.38
11.833	0.00	0.37	0.528	IO					1.37
11.917	0.00	0.37	0.525	IO					1.37
12.000	0.00	0.37	0.522	IO					1.36
12.083	0.00	0.37	0.520	IO					1.36

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

12.167	0.00	0.37	0.517	IO					1.35
12.250	0.00	0.37	0.515	IO					1.34
12.333	0.00	0.37	0.512	IO					1.34
12.417	0.00	0.37	0.510	IO					1.33
12.500	0.00	0.37	0.507	IO					1.33
12.583	0.00	0.37	0.505	IO					1.32
12.667	0.00	0.36	0.502	IO					1.32
12.750	0.00	0.36	0.500	IO					1.31
12.833	0.00	0.36	0.497	IO					1.30
12.917	0.00	0.36	0.495	IO					1.30
13.000	0.00	0.36	0.492	IO					1.29
13.083	0.00	0.36	0.490	IO					1.29
13.167	0.00	0.36	0.487	IO					1.28
13.250	0.00	0.36	0.485	IO					1.28
13.333	0.00	0.36	0.482	IO					1.27
13.417	0.00	0.36	0.480	IO					1.27
13.500	0.00	0.36	0.477	IO					1.26
13.583	0.00	0.36	0.475	IO					1.26
13.667	0.00	0.35	0.472	IO					1.25
13.750	0.00	0.35	0.470	IO					1.24
13.833	0.00	0.35	0.468	IO					1.24
13.917	0.00	0.35	0.465	IO					1.23
14.000	0.00	0.35	0.463	IO					1.23
14.083	0.00	0.35	0.460	IO					1.22
14.167	0.00	0.35	0.458	IO					1.22
14.250	0.00	0.35	0.455	IO					1.21
14.333	0.00	0.35	0.453	IO					1.21
14.417	0.00	0.35	0.451	IO					1.20
14.500	0.00	0.35	0.448	IO					1.20
14.583	0.00	0.35	0.446	IO					1.19
14.667	0.00	0.35	0.444	IO					1.19
14.750	0.00	0.35	0.441	IO					1.18
14.833	0.00	0.34	0.439	IO					1.17
14.917	0.00	0.34	0.436	IO					1.17
15.000	0.00	0.34	0.434	IO					1.16
15.083	0.00	0.34	0.432	IO					1.16
15.167	0.00	0.34	0.429	IO					1.15
15.250	0.00	0.34	0.427	IO					1.15
15.333	0.00	0.34	0.425	IO					1.14
15.417	0.00	0.34	0.422	IO					1.14
15.500	0.00	0.34	0.420	IO					1.13
15.583	0.00	0.34	0.418	IO					1.13
15.667	0.00	0.34	0.415	IO					1.12
15.750	0.00	0.34	0.413	IO					1.12
15.833	0.00	0.34	0.411	IO					1.11
15.917	0.00	0.34	0.408	IO					1.11
16.000	0.00	0.33	0.406	IO					1.10
16.083	0.00	0.33	0.404	IO					1.10
16.167	0.00	0.33	0.401	IO					1.09
16.250	0.00	0.33	0.399	IO					1.09
16.333	0.00	0.33	0.397	IO					1.08
16.417	0.00	0.33	0.395	IO					1.08
16.500	0.00	0.33	0.392	IO					1.07
16.583	0.00	0.33	0.390	IO					1.07
16.667	0.00	0.33	0.388	IO					1.06
16.750	0.00	0.33	0.386	IO					1.06
16.833	0.00	0.33	0.383	IO					1.05
16.917	0.00	0.33	0.381	IO					1.05
17.000	0.00	0.33	0.379	IO					1.04
17.083	0.00	0.33	0.377	IO					1.04
17.167	0.00	0.32	0.374	IO					1.03
17.250	0.00	0.32	0.372	IO					1.03
17.333	0.00	0.32	0.370	IO					1.02
17.417	0.00	0.32	0.368	IO					1.02
17.500	0.00	0.32	0.365	IO					1.01
17.583	0.00	0.32	0.363	IO					1.01
17.667	0.00	0.32	0.361	IO					1.00
17.750	0.00	0.32	0.359	IO					1.00
17.833	0.00	0.32	0.357	IO					0.99
17.917	0.00	0.32	0.354	IO					0.98
18.000	0.00	0.31	0.352	IO					0.98
18.083	0.00	0.31	0.350	IO					0.97

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

18.167	0.00	0.31	0.348	IO					0.97
18.250	0.00	0.31	0.346	IO					0.96
18.333	0.00	0.31	0.344	IO					0.95
18.417	0.00	0.30	0.342	IO					0.95
18.500	0.00	0.30	0.340	IO					0.94
18.583	0.00	0.30	0.337	IO					0.94
18.667	0.00	0.30	0.335	IO					0.93
18.750	0.00	0.30	0.333	IO					0.93
18.833	0.00	0.29	0.331	IO					0.92
18.917	0.00	0.29	0.329	IO					0.91
19.000	0.00	0.29	0.327	IO					0.91
19.083	0.00	0.29	0.325	IO					0.90
19.167	0.00	0.29	0.323	IO					0.90
19.250	0.00	0.29	0.321	IO					0.89
19.333	0.00	0.28	0.319	IO					0.89
19.417	0.00	0.28	0.317	IO					0.88
19.500	0.00	0.28	0.315	IO					0.88
19.583	0.00	0.28	0.314	IO					0.87
19.667	0.00	0.28	0.312	IO					0.87
19.750	0.00	0.28	0.310	IO					0.86
19.833	0.00	0.27	0.308	IO					0.86
19.917	0.00	0.27	0.306	IO					0.85
20.000	0.00	0.27	0.304	IO					0.84
20.083	0.00	0.27	0.302	IO					0.84
20.167	0.00	0.27	0.300	IO					0.83
20.250	0.00	0.27	0.299	IO					0.83
20.333	0.00	0.26	0.297	IO					0.82
20.417	0.00	0.26	0.295	IO					0.82
20.500	0.00	0.26	0.293	IO					0.81
20.583	0.00	0.26	0.291	IO					0.81
20.667	0.00	0.26	0.290	IO					0.80
20.750	0.00	0.26	0.288	IO					0.80
20.833	0.00	0.25	0.286	IO					0.79
20.917	0.00	0.25	0.284	IO					0.79
21.000	0.00	0.25	0.283	IO					0.78
21.083	0.00	0.25	0.281	IO					0.78
21.167	0.00	0.25	0.279	IO					0.78
21.250	0.00	0.25	0.277	IO					0.77
21.333	0.00	0.25	0.276	IO					0.77
21.417	0.00	0.24	0.274	IO					0.76
21.500	0.00	0.24	0.272	IO					0.76
21.583	0.00	0.24	0.271	IO					0.75
21.667	0.00	0.24	0.269	IO					0.75
21.750	0.00	0.24	0.267	IO					0.74
21.833	0.00	0.24	0.266	IO					0.74
21.917	0.00	0.23	0.264	IO					0.73
22.000	0.00	0.23	0.263	IO					0.73
22.083	0.00	0.23	0.261	IO					0.72
22.167	0.00	0.23	0.259	IO					0.72
22.250	0.00	0.23	0.258	IO					0.72
22.333	0.00	0.23	0.256	IO					0.71
22.417	0.00	0.23	0.255	IO					0.71
22.500	0.00	0.22	0.253	IO					0.70
22.583	0.00	0.22	0.252	IO					0.70
22.667	0.00	0.22	0.250	IO					0.69
22.750	0.00	0.22	0.248	IO					0.69
22.833	0.00	0.22	0.247	IO					0.69
22.917	0.00	0.22	0.245	IO					0.68
23.000	0.00	0.22	0.244	IO					0.68
23.083	0.00	0.22	0.242	IO					0.67
23.167	0.00	0.21	0.241	IO					0.67
23.250	0.00	0.21	0.240	IO					0.67
23.333	0.00	0.21	0.238	IO					0.66
23.417	0.00	0.21	0.237	IO					0.66
23.500	0.00	0.21	0.235	IO					0.65
23.583	0.00	0.21	0.234	IO					0.65
23.667	0.00	0.21	0.232	IO					0.65
23.750	0.00	0.21	0.231	IO					0.64
23.833	0.00	0.20	0.229	IO					0.64
23.917	0.00	0.20	0.228	IO					0.63
24.000	0.00	0.20	0.227	IO					0.63
24.083	0.00	0.20	0.225	IO					0.63

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

24.167	0.00	0.20	0.224	IO					0.62
24.250	0.00	0.20	0.223	IO					0.62
24.333	0.00	0.20	0.221	IO					0.61
24.417	0.00	0.20	0.220	IO					0.61
24.500	0.00	0.19	0.218	IO					0.61
24.583	0.00	0.19	0.217	IO					0.60
24.667	0.00	0.19	0.216	IO					0.60
24.750	0.00	0.19	0.215	O					0.60
24.833	0.00	0.19	0.213	O					0.59
24.917	0.00	0.19	0.212	O					0.59
25.000	0.00	0.19	0.211	O					0.59
25.083	0.00	0.19	0.209	O					0.58
25.167	0.00	0.18	0.208	O					0.58
25.250	0.00	0.18	0.207	O					0.57
25.333	0.00	0.18	0.206	O					0.57
25.417	0.00	0.18	0.204	O					0.57
25.500	0.00	0.18	0.203	O					0.56
25.583	0.00	0.18	0.202	O					0.56
25.667	0.00	0.18	0.201	O					0.56
25.750	0.00	0.18	0.199	O					0.55
25.833	0.00	0.18	0.198	O					0.55
25.917	0.00	0.18	0.197	O					0.55
26.000	0.00	0.17	0.196	O					0.54
26.083	0.00	0.17	0.195	O					0.54
26.167	0.00	0.17	0.193	O					0.54
26.250	0.00	0.17	0.192	O					0.53
26.333	0.00	0.17	0.191	O					0.53
26.417	0.00	0.17	0.190	O					0.53
26.500	0.00	0.17	0.189	O					0.52
26.583	0.00	0.17	0.187	O					0.52
26.667	0.00	0.17	0.186	O					0.52
26.750	0.00	0.16	0.185	O					0.51
26.833	0.00	0.16	0.184	O					0.51
26.917	0.00	0.16	0.183	O					0.51
27.000	0.00	0.16	0.182	O					0.51
27.083	0.00	0.16	0.181	O					0.50
27.167	0.00	0.16	0.180	O					0.50
27.250	0.00	0.16	0.179	O					0.50
27.333	0.00	0.16	0.177	O					0.49
27.417	0.00	0.16	0.176	O					0.49
27.500	0.00	0.16	0.175	O					0.49
27.583	0.00	0.15	0.174	O					0.48
27.667	0.00	0.15	0.173	O					0.48
27.750	0.00	0.15	0.172	O					0.48
27.833	0.00	0.15	0.171	O					0.48
27.917	0.00	0.15	0.170	O					0.47
28.000	0.00	0.15	0.169	O					0.47
28.083	0.00	0.15	0.168	O					0.47
28.167	0.00	0.15	0.167	O					0.46
28.250	0.00	0.15	0.166	O					0.46
28.333	0.00	0.15	0.165	O					0.46
28.417	0.00	0.15	0.164	O					0.46
28.500	0.00	0.14	0.163	O					0.45
28.583	0.00	0.14	0.162	O					0.45
28.667	0.00	0.14	0.161	O					0.45
28.750	0.00	0.14	0.160	O					0.44
28.833	0.00	0.14	0.159	O					0.44
28.917	0.00	0.14	0.158	O					0.44
29.000	0.00	0.14	0.157	O					0.44
29.083	0.00	0.14	0.156	O					0.43
29.167	0.00	0.14	0.155	O					0.43
29.250	0.00	0.14	0.154	O					0.43
29.333	0.00	0.14	0.153	O					0.43
29.417	0.00	0.14	0.152	O					0.42
29.500	0.00	0.13	0.151	O					0.42
29.583	0.00	0.13	0.150	O					0.42
29.667	0.00	0.13	0.149	O					0.42
29.750	0.00	0.13	0.149	O					0.41
29.833	0.00	0.13	0.148	O					0.41
29.917	0.00	0.13	0.147	O					0.41
30.000	0.00	0.13	0.146	O					0.41
30.083	0.00	0.13	0.145	O					0.40

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

30.167	0.00	0.13	0.144	0					0.40
30.250	0.00	0.13	0.143	0					0.40
30.333	0.00	0.13	0.142	0					0.40
30.417	0.00	0.13	0.141	0					0.39
30.500	0.00	0.12	0.141	0					0.39
30.583	0.00	0.12	0.140	0					0.39
30.667	0.00	0.12	0.139	0					0.39
30.750	0.00	0.12	0.138	0					0.38
30.833	0.00	0.12	0.137	0					0.38
30.917	0.00	0.12	0.136	0					0.38
31.000	0.00	0.12	0.136	0					0.38
31.083	0.00	0.12	0.135	0					0.37
31.167	0.00	0.12	0.134	0					0.37
31.250	0.00	0.12	0.133	0					0.37
31.333	0.00	0.12	0.132	0					0.37
31.417	0.00	0.12	0.131	0					0.37
31.500	0.00	0.12	0.131	0					0.36
31.583	0.00	0.12	0.130	0					0.36
31.667	0.00	0.11	0.129	0					0.36
31.750	0.00	0.11	0.128	0					0.36
31.833	0.00	0.11	0.127	0					0.35
31.917	0.00	0.11	0.127	0					0.35
32.000	0.00	0.11	0.126	0					0.35
32.083	0.00	0.11	0.125	0					0.35
32.167	0.00	0.11	0.124	0					0.35
32.250	0.00	0.11	0.124	0					0.34
32.333	0.00	0.11	0.123	0					0.34
32.417	0.00	0.11	0.122	0					0.34
32.500	0.00	0.11	0.121	0					0.34
32.583	0.00	0.11	0.121	0					0.34
32.667	0.00	0.11	0.120	0					0.33
32.750	0.00	0.11	0.119	0					0.33
32.833	0.00	0.11	0.118	0					0.33
32.917	0.00	0.10	0.118	0					0.33
33.000	0.00	0.10	0.117	0					0.33
33.083	0.00	0.10	0.116	0					0.32
33.167	0.00	0.10	0.116	0					0.32
33.250	0.00	0.10	0.115	0					0.32
33.333	0.00	0.10	0.114	0					0.32
33.417	0.00	0.10	0.113	0					0.32
33.500	0.00	0.10	0.113	0					0.31
33.583	0.00	0.10	0.112	0					0.31
33.667	0.00	0.10	0.111	0					0.31
33.750	0.00	0.10	0.111	0					0.31
33.833	0.00	0.10	0.110	0					0.31
33.917	0.00	0.10	0.109	0					0.30
34.000	0.00	0.10	0.109	0					0.30
34.083	0.00	0.10	0.108	0					0.30
34.167	0.00	0.10	0.107	0					0.30
34.250	0.00	0.09	0.107	0					0.30
34.333	0.00	0.09	0.106	0					0.29
34.417	0.00	0.09	0.105	0					0.29
34.500	0.00	0.09	0.105	0					0.29
34.583	0.00	0.09	0.104	0					0.29
34.667	0.00	0.09	0.104	0					0.29
34.750	0.00	0.09	0.103	0					0.29
34.833	0.00	0.09	0.102	0					0.28
34.917	0.00	0.09	0.102	0					0.28
35.000	0.00	0.09	0.101	0					0.28
35.083	0.00	0.09	0.100	0					0.28
35.167	0.00	0.09	0.100	0					0.28
35.250	0.00	0.09	0.099	0					0.28
35.333	0.00	0.09	0.099	0					0.27
35.417	0.00	0.09	0.098	0					0.27
35.500	0.00	0.09	0.097	0					0.27
35.583	0.00	0.09	0.097	0					0.27
35.667	0.00	0.09	0.096	0					0.27
35.750	0.00	0.08	0.096	0					0.27
35.833	0.00	0.08	0.095	0					0.26
35.917	0.00	0.08	0.094	0					0.26
36.000	0.00	0.08	0.094	0					0.26
36.083	0.00	0.08	0.093	0					0.26

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

36.167	0.00	0.08	0.093	0					0.26
36.250	0.00	0.08	0.092	0					0.26
36.333	0.00	0.08	0.092	0					0.25
36.417	0.00	0.08	0.091	0					0.25
36.500	0.00	0.08	0.090	0					0.25
36.583	0.00	0.08	0.090	0					0.25
36.667	0.00	0.08	0.089	0					0.25
36.750	0.00	0.08	0.089	0					0.25
36.833	0.00	0.08	0.088	0					0.25
36.917	0.00	0.08	0.088	0					0.24
37.000	0.00	0.08	0.087	0					0.24
37.083	0.00	0.08	0.087	0					0.24
37.167	0.00	0.08	0.086	0					0.24
37.250	0.00	0.08	0.086	0					0.24
37.333	0.00	0.08	0.085	0					0.24
37.417	0.00	0.08	0.085	0					0.23
37.500	0.00	0.07	0.084	0					0.23
37.583	0.00	0.07	0.084	0					0.23
37.667	0.00	0.07	0.083	0					0.23
37.750	0.00	0.07	0.083	0					0.23
37.833	0.00	0.07	0.082	0					0.23
37.917	0.00	0.07	0.082	0					0.23
38.000	0.00	0.07	0.081	0					0.23
38.083	0.00	0.07	0.081	0					0.22
38.167	0.00	0.07	0.080	0					0.22
38.250	0.00	0.07	0.080	0					0.22
38.333	0.00	0.07	0.079	0					0.22
38.417	0.00	0.07	0.079	0					0.22
38.500	0.00	0.07	0.078	0					0.22
38.583	0.00	0.07	0.078	0					0.22
38.667	0.00	0.07	0.077	0					0.21
38.750	0.00	0.07	0.077	0					0.21
38.833	0.00	0.07	0.076	0					0.21
38.917	0.00	0.07	0.076	0					0.21
39.000	0.00	0.07	0.075	0					0.21
39.083	0.00	0.07	0.075	0					0.21
39.167	0.00	0.07	0.074	0					0.21
39.250	0.00	0.07	0.074	0					0.21
39.333	0.00	0.07	0.073	0					0.20
39.417	0.00	0.06	0.073	0					0.20
39.500	0.00	0.06	0.073	0					0.20
39.583	0.00	0.06	0.072	0					0.20
39.667	0.00	0.06	0.072	0					0.20
39.750	0.00	0.06	0.071	0					0.20
39.833	0.00	0.06	0.071	0					0.20
39.917	0.00	0.06	0.070	0					0.20
40.000	0.00	0.06	0.070	0					0.19
40.083	0.00	0.06	0.070	0					0.19
40.167	0.00	0.06	0.069	0					0.19
40.250	0.00	0.06	0.069	0					0.19
40.333	0.00	0.06	0.068	0					0.19
40.417	0.00	0.06	0.068	0					0.19
40.500	0.00	0.06	0.067	0					0.19
40.583	0.00	0.06	0.067	0					0.19
40.667	0.00	0.06	0.067	0					0.19
40.750	0.00	0.06	0.066	0					0.18
40.833	0.00	0.06	0.066	0					0.18
40.917	0.00	0.06	0.065	0					0.18
41.000	0.00	0.06	0.065	0					0.18
41.083	0.00	0.06	0.065	0					0.18
41.167	0.00	0.06	0.064	0					0.18
41.250	0.00	0.06	0.064	0					0.18
41.333	0.00	0.06	0.063	0					0.18
41.417	0.00	0.06	0.063	0					0.18
41.500	0.00	0.06	0.063	0					0.17
41.583	0.00	0.06	0.062	0					0.17
41.667	0.00	0.06	0.062	0					0.17
41.750	0.00	0.05	0.062	0					0.17
41.833	0.00	0.05	0.061	0					0.17
41.917	0.00	0.05	0.061	0					0.17
42.000	0.00	0.05	0.060	0					0.17
42.083	0.00	0.05	0.060	0					0.17

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

42.167	0.00	0.05	0.060	0					0.17
42.250	0.00	0.05	0.059	0					0.16
42.333	0.00	0.05	0.059	0					0.16
42.417	0.00	0.05	0.059	0					0.16
42.500	0.00	0.05	0.058	0					0.16
42.583	0.00	0.05	0.058	0					0.16
42.667	0.00	0.05	0.058	0					0.16
42.750	0.00	0.05	0.057	0					0.16
42.833	0.00	0.05	0.057	0					0.16
42.917	0.00	0.05	0.056	0					0.16
43.000	0.00	0.05	0.056	0					0.16
43.083	0.00	0.05	0.056	0					0.15
43.167	0.00	0.05	0.055	0					0.15
43.250	0.00	0.05	0.055	0					0.15
43.333	0.00	0.05	0.055	0					0.15
43.417	0.00	0.05	0.054	0					0.15
43.500	0.00	0.05	0.054	0					0.15
43.583	0.00	0.05	0.054	0					0.15
43.667	0.00	0.05	0.053	0					0.15
43.750	0.00	0.05	0.053	0					0.15
43.833	0.00	0.05	0.053	0					0.15
43.917	0.00	0.05	0.052	0					0.15
44.000	0.00	0.05	0.052	0					0.14
44.083	0.00	0.05	0.052	0					0.14
44.167	0.00	0.05	0.052	0					0.14
44.250	0.00	0.05	0.051	0					0.14
44.333	0.00	0.05	0.051	0					0.14
44.417	0.00	0.04	0.051	0					0.14
44.500	0.00	0.04	0.050	0					0.14
44.583	0.00	0.04	0.050	0					0.14
44.667	0.00	0.04	0.050	0					0.14
44.750	0.00	0.04	0.049	0					0.14
44.833	0.00	0.04	0.049	0					0.14
44.917	0.00	0.04	0.049	0					0.14
45.000	0.00	0.04	0.048	0					0.13
45.083	0.00	0.04	0.048	0					0.13
45.167	0.00	0.04	0.048	0					0.13
45.250	0.00	0.04	0.048	0					0.13
45.333	0.00	0.04	0.047	0					0.13
45.417	0.00	0.04	0.047	0					0.13
45.500	0.00	0.04	0.047	0					0.13
45.583	0.00	0.04	0.046	0					0.13
45.667	0.00	0.04	0.046	0					0.13
45.750	0.00	0.04	0.046	0					0.13
45.833	0.00	0.04	0.046	0					0.13
45.917	0.00	0.04	0.045	0					0.13
46.000	0.00	0.04	0.045	0					0.13
46.083	0.00	0.04	0.045	0					0.12
46.167	0.00	0.04	0.044	0					0.12
46.250	0.00	0.04	0.044	0					0.12
46.333	0.00	0.04	0.044	0					0.12
46.417	0.00	0.04	0.044	0					0.12
46.500	0.00	0.04	0.043	0					0.12
46.583	0.00	0.04	0.043	0					0.12
46.667	0.00	0.04	0.043	0					0.12
46.750	0.00	0.04	0.043	0					0.12
46.833	0.00	0.04	0.042	0					0.12
46.917	0.00	0.04	0.042	0					0.12
47.000	0.00	0.04	0.042	0					0.12
47.083	0.00	0.04	0.042	0					0.12
47.167	0.00	0.04	0.041	0					0.11
47.250	0.00	0.04	0.041	0					0.11
47.333	0.00	0.04	0.041	0					0.11
47.417	0.00	0.04	0.041	0					0.11
47.500	0.00	0.04	0.040	0					0.11
47.583	0.00	0.04	0.040	0					0.11
47.667	0.00	0.04	0.040	0					0.11
47.750	0.00	0.04	0.040	0					0.11
47.833	0.00	0.03	0.039	0					0.11
47.917	0.00	0.03	0.039	0					0.11
48.000	0.00	0.03	0.039	0					0.11
48.083	0.00	0.03	0.039	0					0.11

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

48.167	0.00	0.03	0.038	0					0.11
48.250	0.00	0.03	0.038	0					0.11
48.333	0.00	0.03	0.038	0					0.11
48.417	0.00	0.03	0.038	0					0.10
48.500	0.00	0.03	0.037	0					0.10
48.583	0.00	0.03	0.037	0					0.10
48.667	0.00	0.03	0.037	0					0.10
48.750	0.00	0.03	0.037	0					0.10
48.833	0.00	0.03	0.037	0					0.10
48.917	0.00	0.03	0.036	0					0.10
49.000	0.00	0.03	0.036	0					0.10
49.083	0.00	0.03	0.036	0					0.10
49.167	0.00	0.03	0.036	0					0.10
49.250	0.00	0.03	0.035	0					0.10
49.333	0.00	0.03	0.035	0					0.10
49.417	0.00	0.03	0.035	0					0.10
49.500	0.00	0.03	0.035	0					0.10
49.583	0.00	0.03	0.035	0					0.10
49.667	0.00	0.03	0.034	0					0.10
49.750	0.00	0.03	0.034	0					0.09
49.833	0.00	0.03	0.034	0					0.09
49.917	0.00	0.03	0.034	0					0.09
50.000	0.00	0.03	0.034	0					0.09
50.083	0.00	0.03	0.033	0					0.09
50.167	0.00	0.03	0.033	0					0.09
50.250	0.00	0.03	0.033	0					0.09
50.333	0.00	0.03	0.033	0					0.09
50.417	0.00	0.03	0.033	0					0.09
50.500	0.00	0.03	0.032	0					0.09
50.583	0.00	0.03	0.032	0					0.09
50.667	0.00	0.03	0.032	0					0.09
50.750	0.00	0.03	0.032	0					0.09
50.833	0.00	0.03	0.032	0					0.09
50.917	0.00	0.03	0.031	0					0.09
51.000	0.00	0.03	0.031	0					0.09
51.083	0.00	0.03	0.031	0					0.09
51.167	0.00	0.03	0.031	0					0.09
51.250	0.00	0.03	0.031	0					0.09
51.333	0.00	0.03	0.030	0					0.08
51.417	0.00	0.03	0.030	0					0.08
51.500	0.00	0.03	0.030	0					0.08
51.583	0.00	0.03	0.030	0					0.08
51.667	0.00	0.03	0.030	0					0.08
51.750	0.00	0.03	0.030	0					0.08
51.833	0.00	0.03	0.029	0					0.08
51.917	0.00	0.03	0.029	0					0.08
52.000	0.00	0.03	0.029	0					0.08
52.083	0.00	0.03	0.029	0					0.08
52.167	0.00	0.03	0.029	0					0.08
52.250	0.00	0.03	0.028	0					0.08
52.333	0.00	0.03	0.028	0					0.08
52.417	0.00	0.02	0.028	0					0.08
52.500	0.00	0.02	0.028	0					0.08
52.583	0.00	0.02	0.028	0					0.08
52.667	0.00	0.02	0.028	0					0.08
52.750	0.00	0.02	0.027	0					0.08
52.833	0.00	0.02	0.027	0					0.08
52.917	0.00	0.02	0.027	0					0.08
53.000	0.00	0.02	0.027	0					0.07
53.083	0.00	0.02	0.027	0					0.07
53.167	0.00	0.02	0.027	0					0.07
53.250	0.00	0.02	0.026	0					0.07
53.333	0.00	0.02	0.026	0					0.07
53.417	0.00	0.02	0.026	0					0.07
53.500	0.00	0.02	0.026	0					0.07
53.583	0.00	0.02	0.026	0					0.07
53.667	0.00	0.02	0.026	0					0.07
53.750	0.00	0.02	0.025	0					0.07
53.833	0.00	0.02	0.025	0					0.07
53.917	0.00	0.02	0.025	0					0.07
54.000	0.00	0.02	0.025	0					0.07
54.083	0.00	0.02	0.025	0					0.07

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

54.167	0.00	0.02	0.025	0					0.07
54.250	0.00	0.02	0.025	0					0.07
54.333	0.00	0.02	0.024	0					0.07
54.417	0.00	0.02	0.024	0					0.07
54.500	0.00	0.02	0.024	0					0.07
54.583	0.00	0.02	0.024	0					0.07
54.667	0.00	0.02	0.024	0					0.07
54.750	0.00	0.02	0.024	0					0.07
54.833	0.00	0.02	0.024	0					0.07
54.917	0.00	0.02	0.023	0					0.06
55.000	0.00	0.02	0.023	0					0.06
55.083	0.00	0.02	0.023	0					0.06
55.167	0.00	0.02	0.023	0					0.06
55.250	0.00	0.02	0.023	0					0.06
55.333	0.00	0.02	0.023	0					0.06
55.417	0.00	0.02	0.023	0					0.06
55.500	0.00	0.02	0.022	0					0.06
55.583	0.00	0.02	0.022	0					0.06
55.667	0.00	0.02	0.022	0					0.06
55.750	0.00	0.02	0.022	0					0.06
55.833	0.00	0.02	0.022	0					0.06
55.917	0.00	0.02	0.022	0					0.06
56.000	0.00	0.02	0.022	0					0.06
56.083	0.00	0.02	0.021	0					0.06
56.167	0.00	0.02	0.021	0					0.06
56.250	0.00	0.02	0.021	0					0.06
56.333	0.00	0.02	0.021	0					0.06
56.417	0.00	0.02	0.021	0					0.06
56.500	0.00	0.02	0.021	0					0.06
56.583	0.00	0.02	0.021	0					0.06
56.667	0.00	0.02	0.021	0					0.06
56.750	0.00	0.02	0.020	0					0.06
56.833	0.00	0.02	0.020	0					0.06
56.917	0.00	0.02	0.020	0					0.06
57.000	0.00	0.02	0.020	0					0.06
57.083	0.00	0.02	0.020	0					0.06
57.167	0.00	0.02	0.020	0					0.06
57.250	0.00	0.02	0.020	0					0.05
57.333	0.00	0.02	0.020	0					0.05
57.417	0.00	0.02	0.019	0					0.05
57.500	0.00	0.02	0.019	0					0.05
57.583	0.00	0.02	0.019	0					0.05
57.667	0.00	0.02	0.019	0					0.05
57.750	0.00	0.02	0.019	0					0.05
57.833	0.00	0.02	0.019	0					0.05
57.917	0.00	0.02	0.019	0					0.05
58.000	0.00	0.02	0.019	0					0.05
58.083	0.00	0.02	0.019	0					0.05
58.167	0.00	0.02	0.018	0					0.05
58.250	0.00	0.02	0.018	0					0.05
58.333	0.00	0.02	0.018	0					0.05
58.417	0.00	0.02	0.018	0					0.05
58.500	0.00	0.02	0.018	0					0.05
58.583	0.00	0.02	0.018	0					0.05
58.667	0.00	0.02	0.018	0					0.05
58.750	0.00	0.02	0.018	0					0.05
58.833	0.00	0.02	0.018	0					0.05
58.917	0.00	0.02	0.017	0					0.05
59.000	0.00	0.02	0.017	0					0.05
59.083	0.00	0.02	0.017	0					0.05
59.167	0.00	0.02	0.017	0					0.05
59.250	0.00	0.02	0.017	0					0.05
59.333	0.00	0.02	0.017	0					0.05
59.417	0.00	0.01	0.017	0					0.05
59.500	0.00	0.01	0.017	0					0.05
59.583	0.00	0.01	0.017	0					0.05
59.667	0.00	0.01	0.016	0					0.05
59.750	0.00	0.01	0.016	0					0.05
59.833	0.00	0.01	0.016	0					0.05
59.917	0.00	0.01	0.016	0					0.04
60.000	0.00	0.01	0.016	0					0.04
60.083	0.00	0.01	0.016	0					0.04

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

60.167	0.00	0.01	0.016	0					0.04
60.250	0.00	0.01	0.016	0					0.04
60.333	0.00	0.01	0.016	0					0.04
60.417	0.00	0.01	0.016	0					0.04
60.500	0.00	0.01	0.016	0					0.04
60.583	0.00	0.01	0.015	0					0.04
60.667	0.00	0.01	0.015	0					0.04
60.750	0.00	0.01	0.015	0					0.04
60.833	0.00	0.01	0.015	0					0.04
60.917	0.00	0.01	0.015	0					0.04
61.000	0.00	0.01	0.015	0					0.04
61.083	0.00	0.01	0.015	0					0.04
61.167	0.00	0.01	0.015	0					0.04
61.250	0.00	0.01	0.015	0					0.04
61.333	0.00	0.01	0.015	0					0.04
61.417	0.00	0.01	0.015	0					0.04
61.500	0.00	0.01	0.014	0					0.04
61.583	0.00	0.01	0.014	0					0.04
61.667	0.00	0.01	0.014	0					0.04
61.750	0.00	0.01	0.014	0					0.04
61.833	0.00	0.01	0.014	0					0.04
61.917	0.00	0.01	0.014	0					0.04
62.000	0.00	0.01	0.014	0					0.04
62.083	0.00	0.01	0.014	0					0.04
62.167	0.00	0.01	0.014	0					0.04
62.250	0.00	0.01	0.014	0					0.04
62.333	0.00	0.01	0.014	0					0.04
62.417	0.00	0.01	0.013	0					0.04
62.500	0.00	0.01	0.013	0					0.04
62.583	0.00	0.01	0.013	0					0.04
62.667	0.00	0.01	0.013	0					0.04
62.750	0.00	0.01	0.013	0					0.04
62.833	0.00	0.01	0.013	0					0.04
62.917	0.00	0.01	0.013	0					0.04
63.000	0.00	0.01	0.013	0					0.04
63.083	0.00	0.01	0.013	0					0.04
63.167	0.00	0.01	0.013	0					0.04
63.250	0.00	0.01	0.013	0					0.04
63.333	0.00	0.01	0.013	0					0.04
63.417	0.00	0.01	0.013	0					0.03
63.500	0.00	0.01	0.012	0					0.03
63.583	0.00	0.01	0.012	0					0.03
63.667	0.00	0.01	0.012	0					0.03
63.750	0.00	0.01	0.012	0					0.03
63.833	0.00	0.01	0.012	0					0.03
63.917	0.00	0.01	0.012	0					0.03
64.000	0.00	0.01	0.012	0					0.03
64.083	0.00	0.01	0.012	0					0.03
64.167	0.00	0.01	0.012	0					0.03
64.250	0.00	0.01	0.012	0					0.03
64.333	0.00	0.01	0.012	0					0.03
64.417	0.00	0.01	0.012	0					0.03
64.500	0.00	0.01	0.012	0					0.03
64.583	0.00	0.01	0.011	0					0.03
64.667	0.00	0.01	0.011	0					0.03
64.750	0.00	0.01	0.011	0					0.03
64.833	0.00	0.01	0.011	0					0.03
64.917	0.00	0.01	0.011	0					0.03
65.000	0.00	0.01	0.011	0					0.03
65.083	0.00	0.01	0.011	0					0.03
65.167	0.00	0.01	0.011	0					0.03
65.250	0.00	0.01	0.011	0					0.03
65.333	0.00	0.01	0.011	0					0.03
65.417	0.00	0.01	0.011	0					0.03
65.500	0.00	0.01	0.011	0					0.03
65.583	0.00	0.01	0.011	0					0.03
65.667	0.00	0.01	0.011	0					0.03
65.750	0.00	0.01	0.011	0					0.03
65.833	0.00	0.01	0.010	0					0.03
65.917	0.00	0.01	0.010	0					0.03
66.000	0.00	0.01	0.010	0					0.03
66.083	0.00	0.01	0.010	0					0.03

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

66.167	0.00	0.01	0.010	0					0.03
66.250	0.00	0.01	0.010	0					0.03
66.333	0.00	0.01	0.010	0					0.03
66.417	0.00	0.01	0.010	0					0.03
66.500	0.00	0.01	0.010	0					0.03
66.583	0.00	0.01	0.010	0					0.03
66.667	0.00	0.01	0.010	0					0.03
66.750	0.00	0.01	0.010	0					0.03
66.833	0.00	0.01	0.010	0					0.03
66.917	0.00	0.01	0.010	0					0.03
67.000	0.00	0.01	0.010	0					0.03
67.083	0.00	0.01	0.010	0					0.03
67.167	0.00	0.01	0.010	0					0.03
67.250	0.00	0.01	0.009	0					0.03
67.333	0.00	0.01	0.009	0					0.03
67.417	0.00	0.01	0.009	0					0.03
67.500	0.00	0.01	0.009	0					0.03
67.583	0.00	0.01	0.009	0					0.03
67.667	0.00	0.01	0.009	0					0.03
67.750	0.00	0.01	0.009	0					0.03
67.833	0.00	0.01	0.009	0					0.03
67.917	0.00	0.01	0.009	0					0.03
68.000	0.00	0.01	0.009	0					0.02
68.083	0.00	0.01	0.009	0					0.02
68.167	0.00	0.01	0.009	0					0.02
68.250	0.00	0.01	0.009	0					0.02
68.333	0.00	0.01	0.009	0					0.02
68.417	0.00	0.01	0.009	0					0.02
68.500	0.00	0.01	0.009	0					0.02
68.583	0.00	0.01	0.009	0					0.02
68.667	0.00	0.01	0.009	0					0.02
68.750	0.00	0.01	0.008	0					0.02
68.833	0.00	0.01	0.008	0					0.02
68.917	0.00	0.01	0.008	0					0.02
69.000	0.00	0.01	0.008	0					0.02
69.083	0.00	0.01	0.008	0					0.02
69.167	0.00	0.01	0.008	0					0.02
69.250	0.00	0.01	0.008	0					0.02
69.333	0.00	0.01	0.008	0					0.02
69.417	0.00	0.01	0.008	0					0.02
69.500	0.00	0.01	0.008	0					0.02
69.583	0.00	0.01	0.008	0					0.02
69.667	0.00	0.01	0.008	0					0.02
69.750	0.00	0.01	0.008	0					0.02
69.833	0.00	0.01	0.008	0					0.02
69.917	0.00	0.01	0.008	0					0.02
70.000	0.00	0.01	0.008	0					0.02
70.083	0.00	0.01	0.008	0					0.02
70.167	0.00	0.01	0.008	0					0.02
70.250	0.00	0.01	0.008	0					0.02
70.333	0.00	0.01	0.008	0					0.02
70.417	0.00	0.01	0.007	0					0.02
70.500	0.00	0.01	0.007	0					0.02
70.583	0.00	0.01	0.007	0					0.02
70.667	0.00	0.01	0.007	0					0.02
70.750	0.00	0.01	0.007	0					0.02
70.833	0.00	0.01	0.007	0					0.02
70.917	0.00	0.01	0.007	0					0.02
71.000	0.00	0.01	0.007	0					0.02
71.083	0.00	0.01	0.007	0					0.02
71.167	0.00	0.01	0.007	0					0.02
71.250	0.00	0.01	0.007	0					0.02
71.333	0.00	0.01	0.007	0					0.02
71.417	0.00	0.01	0.007	0					0.02
71.500	0.00	0.01	0.007	0					0.02
71.583	0.00	0.01	0.007	0					0.02
71.667	0.00	0.01	0.007	0					0.02
71.750	0.00	0.01	0.007	0					0.02
71.833	0.00	0.01	0.007	0					0.02
71.917	0.00	0.01	0.007	0					0.02
72.000	0.00	0.01	0.007	0					0.02
72.083	0.00	0.01	0.007	0					0.02

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

72.167	0.00	0.01	0.007	0					0.02
72.250	0.00	0.01	0.007	0					0.02
72.333	0.00	0.01	0.007	0					0.02
72.417	0.00	0.01	0.006	0					0.02
72.500	0.00	0.01	0.006	0					0.02
72.583	0.00	0.01	0.006	0					0.02
72.667	0.00	0.01	0.006	0					0.02
72.750	0.00	0.01	0.006	0					0.02
72.833	0.00	0.01	0.006	0					0.02
72.917	0.00	0.01	0.006	0					0.02
73.000	0.00	0.01	0.006	0					0.02
73.083	0.00	0.01	0.006	0					0.02
73.167	0.00	0.01	0.006	0					0.02
73.250	0.00	0.01	0.006	0					0.02
73.333	0.00	0.01	0.006	0					0.02
73.417	0.00	0.01	0.006	0					0.02
73.500	0.00	0.01	0.006	0					0.02
73.583	0.00	0.01	0.006	0					0.02
73.667	0.00	0.01	0.006	0					0.02
73.750	0.00	0.01	0.006	0					0.02
73.833	0.00	0.01	0.006	0					0.02
73.917	0.00	0.01	0.006	0					0.02
74.000	0.00	0.01	0.006	0					0.02
74.083	0.00	0.01	0.006	0					0.02
74.167	0.00	0.01	0.006	0					0.02
74.250	0.00	0.01	0.006	0					0.02
74.333	0.00	0.00	0.006	0					0.02
74.417	0.00	0.00	0.006	0					0.02
74.500	0.00	0.00	0.006	0					0.02
74.583	0.00	0.00	0.006	0					0.02
74.667	0.00	0.00	0.005	0					0.02
74.750	0.00	0.00	0.005	0					0.02
74.833	0.00	0.00	0.005	0					0.02
74.917	0.00	0.00	0.005	0					0.01
75.000	0.00	0.00	0.005	0					0.01
75.083	0.00	0.00	0.005	0					0.01
75.167	0.00	0.00	0.005	0					0.01
75.250	0.00	0.00	0.005	0					0.01
75.333	0.00	0.00	0.005	0					0.01
75.417	0.00	0.00	0.005	0					0.01
75.500	0.00	0.00	0.005	0					0.01
75.583	0.00	0.00	0.005	0					0.01
75.667	0.00	0.00	0.005	0					0.01
75.750	0.00	0.00	0.005	0					0.01
75.833	0.00	0.00	0.005	0					0.01
75.917	0.00	0.00	0.005	0					0.01
76.000	0.00	0.00	0.005	0					0.01
76.083	0.00	0.00	0.005	0					0.01
76.167	0.00	0.00	0.005	0					0.01
76.250	0.00	0.00	0.005	0					0.01
76.333	0.00	0.00	0.005	0					0.01
76.417	0.00	0.00	0.005	0					0.01
76.500	0.00	0.00	0.005	0					0.01
76.583	0.00	0.00	0.005	0					0.01
76.667	0.00	0.00	0.005	0					0.01
76.750	0.00	0.00	0.005	0					0.01
76.833	0.00	0.00	0.005	0					0.01
76.917	0.00	0.00	0.005	0					0.01
77.000	0.00	0.00	0.005	0					0.01
77.083	0.00	0.00	0.005	0					0.01
77.167	0.00	0.00	0.005	0					0.01
77.250	0.00	0.00	0.005	0					0.01
77.333	0.00	0.00	0.005	0					0.01
77.417	0.00	0.00	0.004	0					0.01
77.500	0.00	0.00	0.004	0					0.01
77.583	0.00	0.00	0.004	0					0.01
77.667	0.00	0.00	0.004	0					0.01
77.750	0.00	0.00	0.004	0					0.01
77.833	0.00	0.00	0.004	0					0.01
77.917	0.00	0.00	0.004	0					0.01
78.000	0.00	0.00	0.004	0					0.01
78.083	0.00	0.00	0.004	0					0.01

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

78.167	0.00	0.00	0.004	0					0.01
78.250	0.00	0.00	0.004	0					0.01
78.333	0.00	0.00	0.004	0					0.01
78.417	0.00	0.00	0.004	0					0.01
78.500	0.00	0.00	0.004	0					0.01
78.583	0.00	0.00	0.004	0					0.01
78.667	0.00	0.00	0.004	0					0.01
78.750	0.00	0.00	0.004	0					0.01
78.833	0.00	0.00	0.004	0					0.01
78.917	0.00	0.00	0.004	0					0.01
79.000	0.00	0.00	0.004	0					0.01
79.083	0.00	0.00	0.004	0					0.01
79.167	0.00	0.00	0.004	0					0.01
79.250	0.00	0.00	0.004	0					0.01
79.333	0.00	0.00	0.004	0					0.01
79.417	0.00	0.00	0.004	0					0.01
79.500	0.00	0.00	0.004	0					0.01
79.583	0.00	0.00	0.004	0					0.01
79.667	0.00	0.00	0.004	0					0.01
79.750	0.00	0.00	0.004	0					0.01
79.833	0.00	0.00	0.004	0					0.01
79.917	0.00	0.00	0.004	0					0.01
80.000	0.00	0.00	0.004	0					0.01
80.083	0.00	0.00	0.004	0					0.01
80.167	0.00	0.00	0.004	0					0.01
80.250	0.00	0.00	0.004	0					0.01
80.333	0.00	0.00	0.004	0					0.01
80.417	0.00	0.00	0.004	0					0.01
80.500	0.00	0.00	0.004	0					0.01
80.583	0.00	0.00	0.004	0					0.01
80.667	0.00	0.00	0.004	0					0.01
80.750	0.00	0.00	0.004	0					0.01
80.833	0.00	0.00	0.003	0					0.01
80.917	0.00	0.00	0.003	0					0.01
81.000	0.00	0.00	0.003	0					0.01
81.083	0.00	0.00	0.003	0					0.01
81.167	0.00	0.00	0.003	0					0.01
81.250	0.00	0.00	0.003	0					0.01
81.333	0.00	0.00	0.003	0					0.01
81.417	0.00	0.00	0.003	0					0.01
81.500	0.00	0.00	0.003	0					0.01
81.583	0.00	0.00	0.003	0					0.01
81.667	0.00	0.00	0.003	0					0.01
81.750	0.00	0.00	0.003	0					0.01
81.833	0.00	0.00	0.003	0					0.01
81.917	0.00	0.00	0.003	0					0.01
82.000	0.00	0.00	0.003	0					0.01
82.083	0.00	0.00	0.003	0					0.01
82.167	0.00	0.00	0.003	0					0.01
82.250	0.00	0.00	0.003	0					0.01
82.333	0.00	0.00	0.003	0					0.01
82.417	0.00	0.00	0.003	0					0.01
82.500	0.00	0.00	0.003	0					0.01
82.583	0.00	0.00	0.003	0					0.01
82.667	0.00	0.00	0.003	0					0.01
82.750	0.00	0.00	0.003	0					0.01
82.833	0.00	0.00	0.003	0					0.01
82.917	0.00	0.00	0.003	0					0.01
83.000	0.00	0.00	0.003	0					0.01
83.083	0.00	0.00	0.003	0					0.01
83.167	0.00	0.00	0.003	0					0.01
83.250	0.00	0.00	0.003	0					0.01
83.333	0.00	0.00	0.003	0					0.01
83.417	0.00	0.00	0.003	0					0.01
83.500	0.00	0.00	0.003	0					0.01
83.583	0.00	0.00	0.003	0					0.01
83.667	0.00	0.00	0.003	0					0.01
83.750	0.00	0.00	0.003	0					0.01
83.833	0.00	0.00	0.003	0					0.01
83.917	0.00	0.00	0.003	0					0.01
84.000	0.00	0.00	0.003	0					0.01
84.083	0.00	0.00	0.003	0					0.01

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

84.167	0.00	0.00	0.003	0					0.01
84.250	0.00	0.00	0.003	0					0.01
84.333	0.00	0.00	0.003	0					0.01
84.417	0.00	0.00	0.003	0					0.01
84.500	0.00	0.00	0.003	0					0.01
84.583	0.00	0.00	0.003	0					0.01
84.667	0.00	0.00	0.003	0					0.01
84.750	0.00	0.00	0.003	0					0.01
84.833	0.00	0.00	0.003	0					0.01
84.917	0.00	0.00	0.003	0					0.01
85.000	0.00	0.00	0.003	0					0.01
85.083	0.00	0.00	0.003	0					0.01
85.167	0.00	0.00	0.003	0					0.01
85.250	0.00	0.00	0.003	0					0.01
85.333	0.00	0.00	0.003	0					0.01
85.417	0.00	0.00	0.002	0					0.01
85.500	0.00	0.00	0.002	0					0.01
85.583	0.00	0.00	0.002	0					0.01
85.667	0.00	0.00	0.002	0					0.01
85.750	0.00	0.00	0.002	0					0.01
85.833	0.00	0.00	0.002	0					0.01
85.917	0.00	0.00	0.002	0					0.01
86.000	0.00	0.00	0.002	0					0.01
86.083	0.00	0.00	0.002	0					0.01
86.167	0.00	0.00	0.002	0					0.01
86.250	0.00	0.00	0.002	0					0.01
86.333	0.00	0.00	0.002	0					0.01
86.417	0.00	0.00	0.002	0					0.01
86.500	0.00	0.00	0.002	0					0.01
86.583	0.00	0.00	0.002	0					0.01
86.667	0.00	0.00	0.002	0					0.01
86.750	0.00	0.00	0.002	0					0.01
86.833	0.00	0.00	0.002	0					0.01
86.917	0.00	0.00	0.002	0					0.01
87.000	0.00	0.00	0.002	0					0.01
87.083	0.00	0.00	0.002	0					0.01
87.167	0.00	0.00	0.002	0					0.01
87.250	0.00	0.00	0.002	0					0.01
87.333	0.00	0.00	0.002	0					0.01
87.417	0.00	0.00	0.002	0					0.01
87.500	0.00	0.00	0.002	0					0.01
87.583	0.00	0.00	0.002	0					0.01
87.667	0.00	0.00	0.002	0					0.01
87.750	0.00	0.00	0.002	0					0.01
87.833	0.00	0.00	0.002	0					0.01
87.917	0.00	0.00	0.002	0					0.01
88.000	0.00	0.00	0.002	0					0.01
88.083	0.00	0.00	0.002	0					0.01
88.167	0.00	0.00	0.002	0					0.01
88.250	0.00	0.00	0.002	0					0.01
88.333	0.00	0.00	0.002	0					0.01
88.417	0.00	0.00	0.002	0					0.01
88.500	0.00	0.00	0.002	0					0.01
88.583	0.00	0.00	0.002	0					0.01
88.667	0.00	0.00	0.002	0					0.01
88.750	0.00	0.00	0.002	0					0.01
88.833	0.00	0.00	0.002	0					0.01
88.917	0.00	0.00	0.002	0					0.01
89.000	0.00	0.00	0.002	0					0.01
89.083	0.00	0.00	0.002	0					0.01
89.167	0.00	0.00	0.002	0					0.01
89.250	0.00	0.00	0.002	0					0.01
89.333	0.00	0.00	0.002	0					0.01
89.417	0.00	0.00	0.002	0					0.01
89.500	0.00	0.00	0.002	0					0.01
89.583	0.00	0.00	0.002	0					0.01
89.667	0.00	0.00	0.002	0					0.01
89.750	0.00	0.00	0.002	0					0.01
89.833	0.00	0.00	0.002	0					0.00
89.917	0.00	0.00	0.002	0					0.00
90.000	0.00	0.00	0.002	0					0.00
90.083	0.00	0.00	0.002	0					0.00

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

90.167	0.00	0.00	0.002	0					0.00
90.250	0.00	0.00	0.002	0					0.00
90.333	0.00	0.00	0.002	0					0.00
90.417	0.00	0.00	0.002	0					0.00
90.500	0.00	0.00	0.002	0					0.00
90.583	0.00	0.00	0.002	0					0.00
90.667	0.00	0.00	0.002	0					0.00
90.750	0.00	0.00	0.002	0					0.00
90.833	0.00	0.00	0.002	0					0.00
90.917	0.00	0.00	0.002	0					0.00
91.000	0.00	0.00	0.002	0					0.00
91.083	0.00	0.00	0.002	0					0.00
91.167	0.00	0.00	0.002	0					0.00
91.250	0.00	0.00	0.002	0					0.00
91.333	0.00	0.00	0.002	0					0.00
91.417	0.00	0.00	0.002	0					0.00
91.500	0.00	0.00	0.002	0					0.00
91.583	0.00	0.00	0.002	0					0.00
91.667	0.00	0.00	0.002	0					0.00
91.750	0.00	0.00	0.002	0					0.00
91.833	0.00	0.00	0.002	0					0.00
91.917	0.00	0.00	0.002	0					0.00
92.000	0.00	0.00	0.002	0					0.00
92.083	0.00	0.00	0.002	0					0.00
92.167	0.00	0.00	0.002	0					0.00
92.250	0.00	0.00	0.002	0					0.00
92.333	0.00	0.00	0.001	0					0.00
92.417	0.00	0.00	0.001	0					0.00
92.500	0.00	0.00	0.001	0					0.00
92.583	0.00	0.00	0.001	0					0.00
92.667	0.00	0.00	0.001	0					0.00
92.750	0.00	0.00	0.001	0					0.00
92.833	0.00	0.00	0.001	0					0.00
92.917	0.00	0.00	0.001	0					0.00
93.000	0.00	0.00	0.001	0					0.00
93.083	0.00	0.00	0.001	0					0.00
93.167	0.00	0.00	0.001	0					0.00
93.250	0.00	0.00	0.001	0					0.00
93.333	0.00	0.00	0.001	0					0.00
93.417	0.00	0.00	0.001	0					0.00
93.500	0.00	0.00	0.001	0					0.00
93.583	0.00	0.00	0.001	0					0.00
93.667	0.00	0.00	0.001	0					0.00
93.750	0.00	0.00	0.001	0					0.00
93.833	0.00	0.00	0.001	0					0.00
93.917	0.00	0.00	0.001	0					0.00
94.000	0.00	0.00	0.001	0					0.00
94.083	0.00	0.00	0.001	0					0.00
94.167	0.00	0.00	0.001	0					0.00
94.250	0.00	0.00	0.001	0					0.00
94.333	0.00	0.00	0.001	0					0.00
94.417	0.00	0.00	0.001	0					0.00
94.500	0.00	0.00	0.001	0					0.00
94.583	0.00	0.00	0.001	0					0.00
94.667	0.00	0.00	0.001	0					0.00
94.750	0.00	0.00	0.001	0					0.00
94.833	0.00	0.00	0.001	0					0.00
94.917	0.00	0.00	0.001	0					0.00
95.000	0.00	0.00	0.001	0					0.00
95.083	0.00	0.00	0.001	0					0.00
95.167	0.00	0.00	0.001	0					0.00
95.250	0.00	0.00	0.001	0					0.00
95.333	0.00	0.00	0.001	0					0.00
95.417	0.00	0.00	0.001	0					0.00
95.500	0.00	0.00	0.001	0					0.00
95.583	0.00	0.00	0.001	0					0.00
95.667	0.00	0.00	0.001	0					0.00
95.750	0.00	0.00	0.001	0					0.00
95.833	0.00	0.00	0.001	0					0.00
95.917	0.00	0.00	0.001	0					0.00
96.000	0.00	0.00	0.001	0					0.00
96.083	0.00	0.00	0.001	0					0.00

Glen Ivy Senior Living

ATTACHMENT D – Detention Basin Routing

96.167	0.00	0.00	0.001	0					0.00
96.250	0.00	0.00	0.001	0					0.00

Remaining water in basin = 0.00 (Ac.Ft)

```

*****HYDROGRAPH DATA*****
      Number of intervals = 1155
      Time interval = 5.0 (Min.)
      Maximum/Peak flow rate = 0.432 (CFS)
      Total volume = 0.819 (Ac.Ft)
      Status of hydrographs being held in storage
      Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
      Peak (CFS) 0.000 0.000 0.000 0.000 0.000
      Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000
*****

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Glen Ivy Senior Living

ATTACHMENT D – Detention Basin Routing

FLOOD HYDROGRAPH ROUTING PROGRAM
 Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2005
 Study date: 08/18/20

 Glen Ivy Senior Living
 Inflow Hydrograph Calculations
 Detention Basin A
 2-year 24-hour storm

Program License Serial Number 4029

 ***** HYDROGRAPH INFORMATION *****

From study/file name: sh2pr242.rte
 *****HYDROGRAPH DATA*****
 Number of intervals = 291
 Time interval = 5.0 (Min.)
 Maximum/Peak flow rate = 2.407 (CFS)
 Total volume = 1.463 (Ac.Ft)
 Status of hydrographs being held in storage
 Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
 Peak (CFS) 0.000 0.000 0.000 0.000 0.000
 Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
 Process from Point/Station 10.000 to Point/Station 11.000
 **** RETARDING BASIN ROUTING ****

 User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 291
 Hydrograph time unit = 5.000 (Min.)
 Initial depth in storage basin = 0.00 (Ft.)

Initial basin depth = 0.00 (Ft.)
 Initial basin storage = 0.00 (Ac.Ft)
 Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.360	0.320	0.359	0.361
2.000	0.810	0.460	0.808	0.812
3.000	1.310	0.680	1.308	1.312
4.000	1.860	0.880	1.857	1.863
5.000	2.470	6.320	2.448	2.492
6.000	3.140	16.140	3.084	3.196

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	Depth (Ft.)
0.083	0.06	0.00	0.000	0.00

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

0.167	0.12	0.00	0.001	OI					0.00
0.250	0.14	0.00	0.002	OI					0.00
0.333	0.17	0.00	0.003	O I					0.01
0.417	0.20	0.00	0.004	O I					0.01
0.500	0.21	0.00	0.005	O I					0.02
0.583	0.21	0.01	0.007	O I					0.02
0.667	0.21	0.01	0.008	O I					0.02
0.750	0.21	0.01	0.010	O I					0.03
0.833	0.24	0.01	0.011	O I					0.03
0.917	0.27	0.01	0.013	O I					0.04
1.000	0.28	0.01	0.015	O I					0.04
1.083	0.25	0.01	0.016	O I					0.05
1.167	0.22	0.02	0.018	O I					0.05
1.250	0.22	0.02	0.019	O I					0.05
1.333	0.21	0.02	0.021	O I					0.06
1.417	0.21	0.02	0.022	O I					0.06
1.500	0.21	0.02	0.023	O I					0.07
1.583	0.21	0.02	0.025	O I					0.07
1.667	0.21	0.02	0.026	O I					0.07
1.750	0.21	0.02	0.027	O I					0.08
1.833	0.24	0.03	0.029	O I					0.08
1.917	0.27	0.03	0.030	O I					0.08
2.000	0.28	0.03	0.032	O I					0.09
2.083	0.28	0.03	0.034	O I					0.09
2.167	0.28	0.03	0.036	O I					0.10
2.250	0.28	0.03	0.037	O I					0.10
2.333	0.28	0.03	0.039	O I					0.11
2.417	0.28	0.04	0.041	O I					0.11
2.500	0.28	0.04	0.042	O I					0.12
2.583	0.31	0.04	0.044	O I					0.12
2.667	0.35	0.04	0.046	O I					0.13
2.750	0.35	0.04	0.048	O I					0.13
2.833	0.35	0.04	0.050	O I					0.14
2.917	0.35	0.05	0.053	O I					0.15
3.000	0.35	0.05	0.055	O I					0.15
3.083	0.35	0.05	0.057	O I					0.16
3.167	0.35	0.05	0.059	O I					0.16
3.250	0.35	0.05	0.061	O I					0.17
3.333	0.35	0.06	0.063	O I					0.17
3.417	0.35	0.06	0.065	O I					0.18
3.500	0.35	0.06	0.067	O I					0.19
3.583	0.35	0.06	0.069	O I					0.19
3.667	0.35	0.06	0.071	O I					0.20
3.750	0.35	0.06	0.073	O I					0.20
3.833	0.39	0.07	0.075	O I					0.21
3.917	0.42	0.07	0.077	O I					0.22
4.000	0.42	0.07	0.080	O I					0.22
4.083	0.42	0.07	0.082	O I					0.23
4.167	0.42	0.08	0.085	O I					0.24
4.250	0.42	0.08	0.087	O I					0.24
4.333	0.46	0.08	0.090	O I					0.25
4.417	0.49	0.08	0.092	O I					0.26
4.500	0.49	0.08	0.095	O I					0.26
4.583	0.50	0.09	0.098	O I					0.27
4.667	0.50	0.09	0.101	O I					0.28
4.750	0.50	0.09	0.103	O I					0.29
4.833	0.53	0.09	0.106	O I					0.30
4.917	0.56	0.10	0.109	O I					0.30
5.000	0.56	0.10	0.113	O I					0.31
5.083	0.50	0.10	0.116	O I					0.32
5.167	0.44	0.10	0.118	O I					0.33
5.250	0.43	0.11	0.120	O I					0.33
5.333	0.46	0.11	0.123	O I					0.34
5.417	0.49	0.11	0.125	O I					0.35
5.500	0.49	0.11	0.128	O I					0.35
5.583	0.53	0.12	0.131	O I					0.36
5.667	0.56	0.12	0.133	O I					0.37
5.750	0.56	0.12	0.136	O I					0.38
5.833	0.57	0.12	0.140	O I					0.39
5.917	0.57	0.13	0.143	O I					0.40
6.000	0.57	0.13	0.146	O I					0.40
6.083	0.60	0.13	0.149	O I					0.41

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

6.167	0.63	0.14	0.152	O	I					0.42
6.250	0.63	0.14	0.155	O	I					0.43
6.333	0.64	0.14	0.159	O	I					0.44
6.417	0.64	0.14	0.162	O	I					0.45
6.500	0.64	0.15	0.166	O	I					0.46
6.583	0.67	0.15	0.169	O	I					0.47
6.667	0.70	0.15	0.173	O	I					0.48
6.750	0.71	0.16	0.177	O	I					0.49
6.833	0.71	0.16	0.180	O	I					0.50
6.917	0.71	0.16	0.184	O	I					0.51
7.000	0.71	0.17	0.188	O	I					0.52
7.083	0.71	0.17	0.191	O	I					0.53
7.167	0.71	0.17	0.195	O	I					0.54
7.250	0.71	0.18	0.199	O	I					0.55
7.333	0.74	0.18	0.203	O	I					0.56
7.417	0.77	0.18	0.207	O	I					0.57
7.500	0.78	0.19	0.211	O	I					0.59
7.583	0.81	0.19	0.215	O	I					0.60
7.667	0.84	0.19	0.219	O	I					0.61
7.750	0.85	0.20	0.224	O	I					0.62
7.833	0.88	0.20	0.228	O	I					0.63
7.917	0.91	0.21	0.233	O	I					0.65
8.000	0.92	0.21	0.238	O	I					0.66
8.083	0.98	0.22	0.243	O	I					0.67
8.167	1.04	0.22	0.248	O	I					0.69
8.250	1.06	0.23	0.254	O	I					0.71
8.333	1.06	0.23	0.260	O	I					0.72
8.417	1.06	0.24	0.265	O	I					0.74
8.500	1.06	0.24	0.271	O	I					0.75
8.583	1.09	0.25	0.277	O	I					0.77
8.667	1.12	0.25	0.283	O	I					0.79
8.750	1.13	0.26	0.289	O	I					0.80
8.833	1.16	0.26	0.295	O	I					0.82
8.917	1.19	0.27	0.301	O	I					0.84
9.000	1.20	0.27	0.308	O	I					0.85
9.083	1.27	0.28	0.314	O	I					0.87
9.167	1.33	0.29	0.321	O	I					0.89
9.250	1.34	0.29	0.328	O	I					0.91
9.333	1.38	0.30	0.336	O	I					0.93
9.417	1.41	0.31	0.343	O	I					0.95
9.500	1.41	0.31	0.351	O	I					0.97
9.583	1.45	0.32	0.358	O	I					1.00
9.667	1.48	0.32	0.366	O	I					1.01
9.750	1.48	0.32	0.374	O	I					1.03
9.833	1.52	0.33	0.382	O	I					1.05
9.917	1.55	0.33	0.391	O	I					1.07
10.000	1.55	0.33	0.399	O	I					1.09
10.083	1.34	0.33	0.407	O	I					1.10
10.167	1.12	0.34	0.413	O	I					1.12
10.250	1.08	0.34	0.418	O	I					1.13
10.333	1.06	0.34	0.423	O	I					1.14
10.417	1.06	0.34	0.428	O	I					1.15
10.500	1.06	0.34	0.433	O	I					1.16
10.583	1.22	0.34	0.439	O	I					1.17
10.667	1.37	0.35	0.445	O	I					1.19
10.750	1.40	0.35	0.452	O	I					1.21
10.833	1.42	0.35	0.460	O	I					1.22
10.917	1.42	0.35	0.467	O	I					1.24
11.000	1.42	0.36	0.474	O	I					1.25
11.083	1.38	0.36	0.481	O	I					1.27
11.167	1.35	0.36	0.488	O	I					1.29
11.250	1.35	0.36	0.495	O	I					1.30
11.333	1.35	0.36	0.502	O	I					1.32
11.417	1.35	0.37	0.509	O	I					1.33
11.500	1.35	0.37	0.516	O	I					1.35
11.583	1.28	0.37	0.522	O	I					1.36
11.667	1.22	0.37	0.528	O	I					1.37
11.750	1.21	0.37	0.534	O	I					1.39
11.833	1.24	0.38	0.540	O	I					1.40
11.917	1.27	0.38	0.546	O	I					1.41
12.000	1.27	0.38	0.552	O	I					1.43
12.083	1.50	0.38	0.559	O	I					1.44

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

12.167	1.71	0.38	0.567	O		I		1.46
12.250	1.75	0.39	0.576	O		I		1.48
12.333	1.80	0.39	0.586	O		I		1.50
12.417	1.83	0.39	0.596	O		I		1.52
12.500	1.84	0.40	0.606	O		I		1.55
12.583	1.90	0.40	0.616	O		I		1.57
12.667	1.96	0.40	0.626	O		I		1.59
12.750	1.98	0.41	0.637	O		I		1.62
12.833	2.01	0.41	0.648	O		I		1.64
12.917	2.04	0.41	0.659	O		I		1.67
13.000	2.05	0.42	0.671	O		I		1.69
13.083	2.21	0.42	0.682	O		I		1.72
13.167	2.36	0.42	0.695	O		I		1.74
13.250	2.39	0.43	0.709	O		I		1.77
13.333	2.41	0.43	0.722	O		I		1.80
13.417	2.41	0.44	0.736	O		I		1.83
13.500	2.41	0.44	0.749	O		I		1.87
13.583	2.06	0.44	0.762	O		I		1.89
13.667	1.73	0.45	0.772	O		I		1.91
13.750	1.66	0.45	0.780	O		I		1.93
13.833	1.63	0.45	0.788	O		I		1.95
13.917	1.63	0.46	0.796	O		I		1.97
14.000	1.63	0.46	0.804	O		I		1.99
14.083	1.76	0.46	0.813	O		I		2.01
14.167	1.88	0.47	0.822	O		I		2.02
14.250	1.90	0.47	0.832	O		I		2.04
14.333	1.88	0.47	0.842	O		I		2.06
14.417	1.85	0.48	0.851	O		I		2.08
14.500	1.84	0.48	0.861	O		I		2.10
14.583	1.84	0.49	0.870	O		I		2.12
14.667	1.84	0.49	0.879	O		I		2.14
14.750	1.84	0.49	0.889	O		I		2.16
14.833	1.81	0.50	0.898	O		I		2.18
14.917	1.78	0.50	0.907	O		I		2.19
15.000	1.77	0.51	0.916	O		I		2.21
15.083	1.74	0.51	0.924	O		I		2.23
15.167	1.71	0.51	0.932	O		I		2.24
15.250	1.70	0.52	0.941	O		I		2.26
15.333	1.67	0.52	0.949	O		I		2.28
15.417	1.64	0.52	0.956	O		I		2.29
15.500	1.63	0.53	0.964	O		I		2.31
15.583	1.50	0.53	0.971	O		I		2.32
15.667	1.38	0.53	0.978	O		I		2.34
15.750	1.36	0.54	0.983	O		I		2.35
15.833	1.35	0.54	0.989	O		I		2.36
15.917	1.35	0.54	0.994	O		I		2.37
16.000	1.35	0.54	1.000	O		I		2.38
16.083	0.87	0.55	1.004	O	I			2.39
16.167	0.42	0.55	1.004	O	I			2.39
16.250	0.33	0.55	1.003	O	I			2.39
16.333	0.28	0.54	1.002	O	I			2.38
16.417	0.28	0.54	1.000	O	I			2.38
16.500	0.28	0.54	0.998	O	I			2.38
16.583	0.25	0.54	0.996	O	I			2.37
16.667	0.22	0.54	0.994	O	I			2.37
16.750	0.22	0.54	0.992	O	I			2.36
16.833	0.21	0.54	0.990	O	I			2.36
16.917	0.21	0.54	0.987	O	I			2.35
17.000	0.21	0.54	0.985	O	I			2.35
17.083	0.28	0.54	0.983	O	I			2.35
17.167	0.34	0.54	0.981	O	I			2.34
17.250	0.35	0.53	0.980	O	I			2.34
17.333	0.35	0.53	0.979	O	I			2.34
17.417	0.35	0.53	0.978	O	I			2.34
17.500	0.35	0.53	0.976	O	I			2.33
17.583	0.35	0.53	0.975	O	I			2.33
17.667	0.35	0.53	0.974	O	I			2.33
17.750	0.35	0.53	0.973	O	I			2.33
17.833	0.32	0.53	0.971	O	I			2.32
17.917	0.29	0.53	0.970	O	I			2.32
18.000	0.29	0.53	0.968	O	I			2.32
18.083	0.28	0.53	0.967	O	I			2.31

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

18.167	0.28	0.53	0.965		I	O					2.31
18.250	0.28	0.53	0.963		I	O					2.31
18.333	0.28	0.53	0.961		I	O					2.30
18.417	0.28	0.53	0.960		I	O					2.30
18.500	0.28	0.53	0.958		I	O					2.30
18.583	0.25	0.52	0.956		I	O					2.29
18.667	0.22	0.52	0.954		I	O					2.29
18.750	0.22	0.52	0.952		I	O					2.28
18.833	0.18	0.52	0.950		I	O					2.28
18.917	0.15	0.52	0.948		I	O					2.28
19.000	0.14	0.52	0.945		I	O					2.27
19.083	0.17	0.52	0.943		I	O					2.27
19.167	0.20	0.52	0.940		I	O					2.26
19.250	0.21	0.52	0.938		I	O					2.26
19.333	0.24	0.52	0.936		I	O					2.25
19.417	0.27	0.51	0.934		I	O					2.25
19.500	0.28	0.51	0.933		I	O					2.25
19.583	0.25	0.51	0.931		I	O					2.24
19.667	0.22	0.51	0.929		I	O					2.24
19.750	0.22	0.51	0.927		I	O					2.23
19.833	0.18	0.51	0.925		I	O					2.23
19.917	0.15	0.51	0.923		I	O					2.23
20.000	0.14	0.51	0.920		I	O					2.22
20.083	0.17	0.51	0.918		I	O					2.22
20.167	0.20	0.51	0.915		I	O					2.21
20.250	0.21	0.51	0.913		I	O					2.21
20.333	0.21	0.50	0.911		I	O					2.20
20.417	0.21	0.50	0.909		I	O					2.20
20.500	0.21	0.50	0.907		I	O					2.19
20.583	0.21	0.50	0.905		I	O					2.19
20.667	0.21	0.50	0.903		I	O					2.19
20.750	0.21	0.50	0.901		I	O					2.18
20.833	0.18	0.50	0.899		I	O					2.18
20.917	0.15	0.50	0.897		I	O					2.17
21.000	0.14	0.50	0.895		I	O					2.17
21.083	0.17	0.50	0.892		I	O					2.16
21.167	0.20	0.50	0.890		I	O					2.16
21.250	0.21	0.49	0.888		I	O					2.16
21.333	0.18	0.49	0.886		I	O					2.15
21.417	0.15	0.49	0.884		I	O					2.15
21.500	0.14	0.49	0.882		I	O					2.14
21.583	0.17	0.49	0.879		I	O					2.14
21.667	0.20	0.49	0.877		I	O					2.13
21.750	0.21	0.49	0.875		I	O					2.13
21.833	0.18	0.49	0.873		I	O					2.13
21.917	0.15	0.49	0.871		I	O					2.12
22.000	0.14	0.49	0.869		I	O					2.12
22.083	0.17	0.48	0.866		I	O					2.11
22.167	0.20	0.48	0.864		I	O					2.11
22.250	0.21	0.48	0.862		I	O					2.10
22.333	0.18	0.48	0.860		I	O					2.10
22.417	0.15	0.48	0.858		I	O					2.10
22.500	0.14	0.48	0.856		I	O					2.09
22.583	0.14	0.48	0.854		I	O					2.09
22.667	0.14	0.48	0.851		I	O					2.08
22.750	0.14	0.48	0.849		I	O					2.08
22.833	0.14	0.48	0.847		I	O					2.07
22.917	0.14	0.48	0.844		I	O					2.07
23.000	0.14	0.47	0.842		I	O					2.06
23.083	0.14	0.47	0.840		I	O					2.06
23.167	0.14	0.47	0.838		I	O					2.06
23.250	0.14	0.47	0.835		I	O					2.05
23.333	0.14	0.47	0.833		I	O					2.05
23.417	0.14	0.47	0.831		I	O					2.04
23.500	0.14	0.47	0.829		I	O					2.04
23.583	0.14	0.47	0.826		I	O					2.03
23.667	0.14	0.47	0.824		I	O					2.03
23.750	0.14	0.47	0.822		I	O					2.02
23.833	0.14	0.46	0.820		I	O					2.02
23.917	0.14	0.46	0.817		I	O					2.01
24.000	0.14	0.46	0.815		I	O					2.01
24.083	0.08	0.46	0.813		I	O					2.01

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

24.167	0.02	0.46	0.810	I	O						2.00
24.250	0.01	0.46	0.807	I	O						1.99
24.333	0.00	0.46	0.804	I	O						1.99
24.417	0.00	0.46	0.800	I	O						1.98
24.500	0.00	0.46	0.797	I	O						1.97
24.583	0.00	0.46	0.794	I	O						1.96
24.667	0.00	0.45	0.791	I	O						1.96
24.750	0.00	0.45	0.788	I	O						1.95
24.833	0.00	0.45	0.785	I	O						1.94
24.917	0.00	0.45	0.782	I	O						1.94
25.000	0.00	0.45	0.779	I	O						1.93
25.083	0.00	0.45	0.776	I	O						1.92
25.167	0.00	0.45	0.772	I	O						1.92
25.250	0.00	0.45	0.769	I	O						1.91
25.333	0.00	0.45	0.766	I	O						1.90
25.417	0.00	0.45	0.763	I	O						1.90
25.500	0.00	0.44	0.760	I	O						1.89
25.583	0.00	0.44	0.757	I	O						1.88
25.667	0.00	0.44	0.754	I	O						1.88
25.750	0.00	0.44	0.751	I	O						1.87
25.833	0.00	0.44	0.748	I	O						1.86
25.917	0.00	0.44	0.745	I	O						1.86
26.000	0.00	0.44	0.742	I	O						1.85
26.083	0.00	0.44	0.739	I	O						1.84
26.167	0.00	0.44	0.736	I	O						1.84
26.250	0.00	0.44	0.733	I	O						1.83
26.333	0.00	0.44	0.730	I	O						1.82
26.417	0.00	0.43	0.727	I	O						1.82
26.500	0.00	0.43	0.724	I	O						1.81
26.583	0.00	0.43	0.721	I	O						1.80
26.667	0.00	0.43	0.718	I	O						1.80
26.750	0.00	0.43	0.715	I	O						1.79
26.833	0.00	0.43	0.712	I	O						1.78
26.917	0.00	0.43	0.709	I	O						1.78
27.000	0.00	0.43	0.706	I	O						1.77
27.083	0.00	0.43	0.703	I	O						1.76
27.167	0.00	0.43	0.700	I	O						1.76
27.250	0.00	0.42	0.697	I	O						1.75
27.333	0.00	0.42	0.694	I	O						1.74
27.417	0.00	0.42	0.691	I	O						1.74
27.500	0.00	0.42	0.689	I	O						1.73
27.583	0.00	0.42	0.686	I	O						1.72
27.667	0.00	0.42	0.683	I	O						1.72
27.750	0.00	0.42	0.680	I	O						1.71
27.833	0.00	0.42	0.677	I	O						1.70
27.917	0.00	0.42	0.674	I	O						1.70
28.000	0.00	0.42	0.671	I	O						1.69
28.083	0.00	0.42	0.668	I	O						1.69
28.167	0.00	0.42	0.665	I	O						1.68
28.250	0.00	0.41	0.663	I	O						1.67
28.333	0.00	0.41	0.660	I	O						1.67
28.417	0.00	0.41	0.657	I	O						1.66
28.500	0.00	0.41	0.654	I	O						1.65
28.583	0.00	0.41	0.651	I	O						1.65
28.667	0.00	0.41	0.648	I	O						1.64
28.750	0.00	0.41	0.646	I	O						1.63
28.833	0.00	0.41	0.643	I	O						1.63
28.917	0.00	0.41	0.640	I	O						1.62
29.000	0.00	0.41	0.637	I	O						1.62
29.083	0.00	0.41	0.634	I	O						1.61
29.167	0.00	0.40	0.632	I	O						1.60
29.250	0.00	0.40	0.629	I	O						1.60
29.333	0.00	0.40	0.626	I	O						1.59
29.417	0.00	0.40	0.623	I	O						1.59
29.500	0.00	0.40	0.621	I	O						1.58
29.583	0.00	0.40	0.618	I	O						1.57
29.667	0.00	0.40	0.615	I	O						1.57
29.750	0.00	0.40	0.612	I	O						1.56
29.833	0.00	0.40	0.610	I	O						1.55
29.917	0.00	0.40	0.607	I	O						1.55
30.000	0.00	0.40	0.604	I	O						1.54
30.083	0.00	0.40	0.601	I	O						1.54

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

30.167	0.00	0.39	0.599	I	O						1.53
30.250	0.00	0.39	0.596	I	O						1.52
30.333	0.00	0.39	0.593	I	O						1.52
30.417	0.00	0.39	0.590	I	O						1.51
30.500	0.00	0.39	0.588	I	O						1.51
30.583	0.00	0.39	0.585	I	O						1.50
30.667	0.00	0.39	0.582	I	O						1.49
30.750	0.00	0.39	0.580	I	O						1.49
30.833	0.00	0.39	0.577	I	O						1.48
30.917	0.00	0.39	0.574	I	O						1.48
31.000	0.00	0.39	0.572	I	O						1.47
31.083	0.00	0.39	0.569	I	O						1.46
31.167	0.00	0.38	0.566	I	O						1.46
31.250	0.00	0.38	0.564	I	O						1.45
31.333	0.00	0.38	0.561	I	O						1.45
31.417	0.00	0.38	0.559	I	O						1.44
31.500	0.00	0.38	0.556	I	O						1.44
31.583	0.00	0.38	0.553	I	O						1.43
31.667	0.00	0.38	0.551	I	O						1.42
31.750	0.00	0.38	0.548	I	O						1.42
31.833	0.00	0.38	0.545	I	O						1.41
31.917	0.00	0.38	0.543	I	O						1.41
32.000	0.00	0.38	0.540	I	O						1.40
32.083	0.00	0.38	0.538	I	O						1.39
32.167	0.00	0.37	0.535	I	O						1.39
32.250	0.00	0.37	0.533	I	O						1.38
32.333	0.00	0.37	0.530	I	O						1.38
32.417	0.00	0.37	0.527	I	O						1.37
32.500	0.00	0.37	0.525	I	O						1.37
32.583	0.00	0.37	0.522	I	O						1.36
32.667	0.00	0.37	0.520	I	O						1.35
32.750	0.00	0.37	0.517	I	O						1.35
32.833	0.00	0.37	0.515	I	O						1.34
32.917	0.00	0.37	0.512	I	O						1.34
33.000	0.00	0.37	0.510	I	O						1.33
33.083	0.00	0.37	0.507	I	O						1.33
33.167	0.00	0.36	0.505	I	O						1.32
33.250	0.00	0.36	0.502	I	O						1.32
33.333	0.00	0.36	0.500	I	O						1.31
33.417	0.00	0.36	0.497	I	O						1.30
33.500	0.00	0.36	0.495	I	O						1.30
33.583	0.00	0.36	0.492	I	O						1.29
33.667	0.00	0.36	0.490	I	O						1.29
33.750	0.00	0.36	0.487	I	O						1.28
33.833	0.00	0.36	0.485	I	O						1.28
33.917	0.00	0.36	0.482	I	O						1.27
34.000	0.00	0.36	0.480	I	O						1.27
34.083	0.00	0.36	0.477	I	O						1.26
34.167	0.00	0.36	0.475	I	O						1.26
34.250	0.00	0.35	0.472	I	O						1.25
34.333	0.00	0.35	0.470	I	O						1.24
34.417	0.00	0.35	0.467	I	O						1.24
34.500	0.00	0.35	0.465	I	O						1.23
34.583	0.00	0.35	0.463	I	O						1.23
34.667	0.00	0.35	0.460	I	O						1.22
34.750	0.00	0.35	0.458	I	O						1.22
34.833	0.00	0.35	0.455	I	O						1.21
34.917	0.00	0.35	0.453	I	O						1.21
35.000	0.00	0.35	0.451	I	O						1.20
35.083	0.00	0.35	0.448	I	O						1.20
35.167	0.00	0.35	0.446	I	O						1.19
35.250	0.00	0.35	0.443	I	O						1.19
35.333	0.00	0.35	0.441	I	O						1.18
35.417	0.00	0.34	0.439	I	O						1.17
35.500	0.00	0.34	0.436	I	O						1.17
35.583	0.00	0.34	0.434	I	O						1.16
35.667	0.00	0.34	0.431	I	O						1.16
35.750	0.00	0.34	0.429	I	O						1.15
35.833	0.00	0.34	0.427	I	O						1.15
35.917	0.00	0.34	0.424	I	O						1.14
36.000	0.00	0.34	0.422	I	O						1.14
36.083	0.00	0.34	0.420	I	O						1.13

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

36.167	0.00	0.34	0.417	I	O						1.13
36.250	0.00	0.34	0.415	I	O						1.12
36.333	0.00	0.34	0.413	I	O						1.12
36.417	0.00	0.34	0.410	I	O						1.11
36.500	0.00	0.33	0.408	I	O						1.11
36.583	0.00	0.33	0.406	I	O						1.10
36.667	0.00	0.33	0.404	I	O						1.10
36.750	0.00	0.33	0.401	I	O						1.09
36.833	0.00	0.33	0.399	I	O						1.09
36.917	0.00	0.33	0.397	I	O						1.08
37.000	0.00	0.33	0.394	I	O						1.08
37.083	0.00	0.33	0.392	I	O						1.07
37.167	0.00	0.33	0.390	I	O						1.07
37.250	0.00	0.33	0.388	I	O						1.06
37.333	0.00	0.33	0.385	I	O						1.06
37.417	0.00	0.33	0.383	I	O						1.05
37.500	0.00	0.33	0.381	I	O						1.05
37.583	0.00	0.33	0.379	I	O						1.04
37.667	0.00	0.33	0.376	I	O						1.04
37.750	0.00	0.32	0.374	I	O						1.03
37.833	0.00	0.32	0.372	I	O						1.03
37.917	0.00	0.32	0.370	I	O						1.02
38.000	0.00	0.32	0.367	I	O						1.02
38.083	0.00	0.32	0.365	I	O						1.01
38.167	0.00	0.32	0.363	I	O						1.01
38.250	0.00	0.32	0.361	I	O						1.00
38.333	0.00	0.32	0.359	I	O						1.00
38.417	0.00	0.32	0.356	I	O						0.99
38.500	0.00	0.31	0.354	I	O						0.98
38.583	0.00	0.31	0.352	I	O						0.98
38.667	0.00	0.31	0.350	I	O						0.97
38.750	0.00	0.31	0.348	I	O						0.97
38.833	0.00	0.31	0.346	I	O						0.96
38.917	0.00	0.31	0.344	I	O						0.95
39.000	0.00	0.30	0.341	I	O						0.95
39.083	0.00	0.30	0.339	I	O						0.94
39.167	0.00	0.30	0.337	I	O						0.94
39.250	0.00	0.30	0.335	I	O						0.93
39.333	0.00	0.30	0.333	I	O						0.93
39.417	0.00	0.29	0.331	I	O						0.92
39.500	0.00	0.29	0.329	I	O						0.91
39.583	0.00	0.29	0.327	I	O						0.91
39.667	0.00	0.29	0.325	I	O						0.90
39.750	0.00	0.29	0.323	I	O						0.90
39.833	0.00	0.29	0.321	I	O						0.89
39.917	0.00	0.28	0.319	I	O						0.89
40.000	0.00	0.28	0.317	I	O						0.88
40.083	0.00	0.28	0.315	I	O						0.88
40.167	0.00	0.28	0.313	I	O						0.87
40.250	0.00	0.28	0.312	I	O						0.87
40.333	0.00	0.28	0.310	I	O						0.86
40.417	0.00	0.27	0.308	I	O						0.85
40.500	0.00	0.27	0.306	I	O						0.85
40.583	0.00	0.27	0.304	I	O						0.84
40.667	0.00	0.27	0.302	I	O						0.84
40.750	0.00	0.27	0.300	I	O						0.83
40.833	0.00	0.27	0.298	I	O						0.83
40.917	0.00	0.26	0.297	I	O						0.82
41.000	0.00	0.26	0.295	I	O						0.82
41.083	0.00	0.26	0.293	I	O						0.81
41.167	0.00	0.26	0.291	I	O						0.81
41.250	0.00	0.26	0.289	I	O						0.80
41.333	0.00	0.26	0.288	I	O						0.80
41.417	0.00	0.25	0.286	I	O						0.79
41.500	0.00	0.25	0.284	I	O						0.79
41.583	0.00	0.25	0.282	I	O						0.78
41.667	0.00	0.25	0.281	I	O						0.78
41.750	0.00	0.25	0.279	I	O						0.78
41.833	0.00	0.25	0.277	I	O						0.77
41.917	0.00	0.24	0.276	I	O						0.77
42.000	0.00	0.24	0.274	I	O						0.76
42.083	0.00	0.24	0.272	I	O						0.76

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

42.167	0.00	0.24	0.271	I	O					0.75
42.250	0.00	0.24	0.269	I	O					0.75
42.333	0.00	0.24	0.267	I	O					0.74
42.417	0.00	0.24	0.266	I	O					0.74
42.500	0.00	0.23	0.264	I	O					0.73
42.583	0.00	0.23	0.262	I	O					0.73
42.667	0.00	0.23	0.261	I	O					0.72
42.750	0.00	0.23	0.259	I	O					0.72
42.833	0.00	0.23	0.258	I	O					0.72
42.917	0.00	0.23	0.256	I	O					0.71
43.000	0.00	0.23	0.255	I	O					0.71
43.083	0.00	0.22	0.253	I	O					0.70
43.167	0.00	0.22	0.251	I	O					0.70
43.250	0.00	0.22	0.250	I	O					0.69
43.333	0.00	0.22	0.248	I	O					0.69
43.417	0.00	0.22	0.247	I	O					0.69
43.500	0.00	0.22	0.245	I	O					0.68
43.583	0.00	0.22	0.244	I	O					0.68
43.667	0.00	0.22	0.242	I	O					0.67
43.750	0.00	0.21	0.241	I	O					0.67
43.833	0.00	0.21	0.239	I	O					0.67
43.917	0.00	0.21	0.238	I	O					0.66
44.000	0.00	0.21	0.236	I	O					0.66
44.083	0.00	0.21	0.235	I	O					0.65
44.167	0.00	0.21	0.234	I	O					0.65
44.250	0.00	0.21	0.232	I	O					0.64
44.333	0.00	0.21	0.231	I	O					0.64
44.417	0.00	0.20	0.229	I	O					0.64
44.500	0.00	0.20	0.228	I	O					0.63
44.583	0.00	0.20	0.227	I	O					0.63
44.667	0.00	0.20	0.225	I	O					0.63
44.750	0.00	0.20	0.224	I	O					0.62
44.833	0.00	0.20	0.222	I	O					0.62
44.917	0.00	0.20	0.221	I	O					0.61
45.000	0.00	0.20	0.220	I	O					0.61
45.083	0.00	0.19	0.218	I	O					0.61
45.167	0.00	0.19	0.217	I	O					0.60
45.250	0.00	0.19	0.216	I	O					0.60
45.333	0.00	0.19	0.214	I	O					0.60
45.417	0.00	0.19	0.213	I	O					0.59
45.500	0.00	0.19	0.212	I	O					0.59
45.583	0.00	0.19	0.211	I	O					0.58
45.667	0.00	0.19	0.209	I	O					0.58
45.750	0.00	0.18	0.208	I	O					0.58
45.833	0.00	0.18	0.207	I	O					0.57
45.917	0.00	0.18	0.205	I	O					0.57
46.000	0.00	0.18	0.204	I	O					0.57
46.083	0.00	0.18	0.203	I	O					0.56
46.167	0.00	0.18	0.202	I	O					0.56
46.250	0.00	0.18	0.200	I	O					0.56
46.333	0.00	0.18	0.199	I	O					0.55
46.417	0.00	0.18	0.198	I	O					0.55
46.500	0.00	0.17	0.197	I	O					0.55
46.583	0.00	0.17	0.196	I	O					0.54
46.667	0.00	0.17	0.194	I	O					0.54
46.750	0.00	0.17	0.193	I	O					0.54
46.833	0.00	0.17	0.192	I	O					0.53
46.917	0.00	0.17	0.191	I	O					0.53
47.000	0.00	0.17	0.190	I	O					0.53
47.083	0.00	0.17	0.189	I	O					0.52
47.167	0.00	0.17	0.187	I	O					0.52
47.250	0.00	0.17	0.186	I	O					0.52
47.333	0.00	0.16	0.185	I	O					0.51
47.417	0.00	0.16	0.184	I	O					0.51
47.500	0.00	0.16	0.183	I	O					0.51
47.583	0.00	0.16	0.182	I	O					0.50
47.667	0.00	0.16	0.181	I	O					0.50
47.750	0.00	0.16	0.180	I	O					0.50
47.833	0.00	0.16	0.178	I	O					0.50
47.917	0.00	0.16	0.177	I	O					0.49
48.000	0.00	0.16	0.176	I	O					0.49
48.083	0.00	0.16	0.175	I	O					0.49

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

48.167	0.00	0.15	0.174	I O					0.48
48.250	0.00	0.15	0.173	I O					0.48
48.333	0.00	0.15	0.172	I O					0.48
48.417	0.00	0.15	0.171	I O					0.47
48.500	0.00	0.15	0.170	I O					0.47
48.583	0.00	0.15	0.169	IO					0.47
48.667	0.00	0.15	0.168	IO					0.47
48.750	0.00	0.15	0.167	IO					0.46
48.833	0.00	0.15	0.166	IO					0.46
48.917	0.00	0.15	0.165	IO					0.46
49.000	0.00	0.15	0.164	IO					0.45
49.083	0.00	0.14	0.163	IO					0.45
49.167	0.00	0.14	0.162	IO					0.45
49.250	0.00	0.14	0.161	IO					0.45
49.333	0.00	0.14	0.160	IO					0.44
49.417	0.00	0.14	0.159	IO					0.44
49.500	0.00	0.14	0.158	IO					0.44
49.583	0.00	0.14	0.157	IO					0.44
49.667	0.00	0.14	0.156	IO					0.43
49.750	0.00	0.14	0.155	IO					0.43
49.833	0.00	0.14	0.154	IO					0.43
49.917	0.00	0.14	0.153	IO					0.43
50.000	0.00	0.14	0.152	IO					0.42
50.083	0.00	0.13	0.151	IO					0.42
50.167	0.00	0.13	0.150	IO					0.42
50.250	0.00	0.13	0.149	IO					0.42
50.333	0.00	0.13	0.149	IO					0.41
50.417	0.00	0.13	0.148	IO					0.41
50.500	0.00	0.13	0.147	IO					0.41
50.583	0.00	0.13	0.146	IO					0.41
50.667	0.00	0.13	0.145	IO					0.40
50.750	0.00	0.13	0.144	IO					0.40
50.833	0.00	0.13	0.143	IO					0.40
50.917	0.00	0.13	0.142	IO					0.40
51.000	0.00	0.13	0.141	IO					0.39
51.083	0.00	0.12	0.141	IO					0.39
51.167	0.00	0.12	0.140	IO					0.39
51.250	0.00	0.12	0.139	IO					0.39
51.333	0.00	0.12	0.138	IO					0.38
51.417	0.00	0.12	0.137	IO					0.38
51.500	0.00	0.12	0.136	IO					0.38
51.583	0.00	0.12	0.135	IO					0.38
51.667	0.00	0.12	0.135	IO					0.37
51.750	0.00	0.12	0.134	IO					0.37
51.833	0.00	0.12	0.133	IO					0.37
51.917	0.00	0.12	0.132	IO					0.37
52.000	0.00	0.12	0.131	IO					0.36
52.083	0.00	0.12	0.131	IO					0.36
52.167	0.00	0.12	0.130	IO					0.36
52.250	0.00	0.11	0.129	IO					0.36
52.333	0.00	0.11	0.128	IO					0.36
52.417	0.00	0.11	0.127	IO					0.35
52.500	0.00	0.11	0.127	IO					0.35
52.583	0.00	0.11	0.126	IO					0.35
52.667	0.00	0.11	0.125	IO					0.35
52.750	0.00	0.11	0.124	IO					0.35
52.833	0.00	0.11	0.124	IO					0.34
52.917	0.00	0.11	0.123	IO					0.34
53.000	0.00	0.11	0.122	IO					0.34
53.083	0.00	0.11	0.121	IO					0.34
53.167	0.00	0.11	0.121	IO					0.34
53.250	0.00	0.11	0.120	IO					0.33
53.333	0.00	0.11	0.119	IO					0.33
53.417	0.00	0.11	0.118	IO					0.33
53.500	0.00	0.10	0.118	IO					0.33
53.583	0.00	0.10	0.117	IO					0.32
53.667	0.00	0.10	0.116	IO					0.32
53.750	0.00	0.10	0.116	IO					0.32
53.833	0.00	0.10	0.115	IO					0.32
53.917	0.00	0.10	0.114	IO					0.32
54.000	0.00	0.10	0.113	IO					0.32
54.083	0.00	0.10	0.113	IO					0.31

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

54.167	0.00	0.10	0.112	IO					0.31
54.250	0.00	0.10	0.111	IO					0.31
54.333	0.00	0.10	0.111	IO					0.31
54.417	0.00	0.10	0.110	IO					0.31
54.500	0.00	0.10	0.109	IO					0.30
54.583	0.00	0.10	0.109	IO					0.30
54.667	0.00	0.10	0.108	IO					0.30
54.750	0.00	0.10	0.107	IO					0.30
54.833	0.00	0.09	0.107	IO					0.30
54.917	0.00	0.09	0.106	IO					0.29
55.000	0.00	0.09	0.105	IO					0.29
55.083	0.00	0.09	0.105	IO					0.29
55.167	0.00	0.09	0.104	IO					0.29
55.250	0.00	0.09	0.103	IO					0.29
55.333	0.00	0.09	0.103	IO					0.29
55.417	0.00	0.09	0.102	IO					0.28
55.500	0.00	0.09	0.102	IO					0.28
55.583	0.00	0.09	0.101	IO					0.28
55.667	0.00	0.09	0.100	IO					0.28
55.750	0.00	0.09	0.100	IO					0.28
55.833	0.00	0.09	0.099	IO					0.28
55.917	0.00	0.09	0.099	IO					0.27
56.000	0.00	0.09	0.098	IO					0.27
56.083	0.00	0.09	0.097	IO					0.27
56.167	0.00	0.09	0.097	IO					0.27
56.250	0.00	0.09	0.096	IO					0.27
56.333	0.00	0.08	0.096	IO					0.27
56.417	0.00	0.08	0.095	IO					0.26
56.500	0.00	0.08	0.094	IO					0.26
56.583	0.00	0.08	0.094	IO					0.26
56.667	0.00	0.08	0.093	IO					0.26
56.750	0.00	0.08	0.093	IO					0.26
56.833	0.00	0.08	0.092	IO					0.26
56.917	0.00	0.08	0.092	IO					0.25
57.000	0.00	0.08	0.091	IO					0.25
57.083	0.00	0.08	0.090	IO					0.25
57.167	0.00	0.08	0.090	IO					0.25
57.250	0.00	0.08	0.089	IO					0.25
57.333	0.00	0.08	0.089	IO					0.25
57.417	0.00	0.08	0.088	IO					0.25
57.500	0.00	0.08	0.088	IO					0.24
57.583	0.00	0.08	0.087	IO					0.24
57.667	0.00	0.08	0.087	IO					0.24
57.750	0.00	0.08	0.086	IO					0.24
57.833	0.00	0.08	0.086	IO					0.24
57.917	0.00	0.08	0.085	IO					0.24
58.000	0.00	0.08	0.085	O					0.23
58.083	0.00	0.07	0.084	O					0.23
58.167	0.00	0.07	0.084	O					0.23
58.250	0.00	0.07	0.083	O					0.23
58.333	0.00	0.07	0.083	O					0.23
58.417	0.00	0.07	0.082	O					0.23
58.500	0.00	0.07	0.082	O					0.23
58.583	0.00	0.07	0.081	O					0.23
58.667	0.00	0.07	0.081	O					0.22
58.750	0.00	0.07	0.080	O					0.22
58.833	0.00	0.07	0.080	O					0.22
58.917	0.00	0.07	0.079	O					0.22
59.000	0.00	0.07	0.079	O					0.22
59.083	0.00	0.07	0.078	O					0.22
59.167	0.00	0.07	0.078	O					0.22
59.250	0.00	0.07	0.077	O					0.21
59.333	0.00	0.07	0.077	O					0.21
59.417	0.00	0.07	0.076	O					0.21
59.500	0.00	0.07	0.076	O					0.21
59.583	0.00	0.07	0.075	O					0.21
59.667	0.00	0.07	0.075	O					0.21
59.750	0.00	0.07	0.074	O					0.21
59.833	0.00	0.07	0.074	O					0.21
59.917	0.00	0.07	0.073	O					0.20
60.000	0.00	0.06	0.073	O					0.20
60.083	0.00	0.06	0.073	O					0.20

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

60.167	0.00	0.06	0.072	0					0.20
60.250	0.00	0.06	0.072	0					0.20
60.333	0.00	0.06	0.071	0					0.20
60.417	0.00	0.06	0.071	0					0.20
60.500	0.00	0.06	0.070	0					0.20
60.583	0.00	0.06	0.070	0					0.19
60.667	0.00	0.06	0.070	0					0.19
60.750	0.00	0.06	0.069	0					0.19
60.833	0.00	0.06	0.069	0					0.19
60.917	0.00	0.06	0.068	0					0.19
61.000	0.00	0.06	0.068	0					0.19
61.083	0.00	0.06	0.067	0					0.19
61.167	0.00	0.06	0.067	0					0.19
61.250	0.00	0.06	0.067	0					0.19
61.333	0.00	0.06	0.066	0					0.18
61.417	0.00	0.06	0.066	0					0.18
61.500	0.00	0.06	0.065	0					0.18
61.583	0.00	0.06	0.065	0					0.18
61.667	0.00	0.06	0.065	0					0.18
61.750	0.00	0.06	0.064	0					0.18
61.833	0.00	0.06	0.064	0					0.18
61.917	0.00	0.06	0.063	0					0.18
62.000	0.00	0.06	0.063	0					0.18
62.083	0.00	0.06	0.063	0					0.17
62.167	0.00	0.06	0.062	0					0.17
62.250	0.00	0.06	0.062	0					0.17
62.333	0.00	0.05	0.062	0					0.17
62.417	0.00	0.05	0.061	0					0.17
62.500	0.00	0.05	0.061	0					0.17
62.583	0.00	0.05	0.060	0					0.17
62.667	0.00	0.05	0.060	0					0.17
62.750	0.00	0.05	0.060	0					0.17
62.833	0.00	0.05	0.059	0					0.16
62.917	0.00	0.05	0.059	0					0.16
63.000	0.00	0.05	0.059	0					0.16
63.083	0.00	0.05	0.058	0					0.16
63.167	0.00	0.05	0.058	0					0.16
63.250	0.00	0.05	0.057	0					0.16
63.333	0.00	0.05	0.057	0					0.16
63.417	0.00	0.05	0.057	0					0.16
63.500	0.00	0.05	0.056	0					0.16
63.583	0.00	0.05	0.056	0					0.16
63.667	0.00	0.05	0.056	0					0.15
63.750	0.00	0.05	0.055	0					0.15
63.833	0.00	0.05	0.055	0					0.15
63.917	0.00	0.05	0.055	0					0.15
64.000	0.00	0.05	0.054	0					0.15
64.083	0.00	0.05	0.054	0					0.15
64.167	0.00	0.05	0.054	0					0.15
64.250	0.00	0.05	0.053	0					0.15
64.333	0.00	0.05	0.053	0					0.15
64.417	0.00	0.05	0.053	0					0.15
64.500	0.00	0.05	0.052	0					0.15
64.583	0.00	0.05	0.052	0					0.14
64.667	0.00	0.05	0.052	0					0.14
64.750	0.00	0.05	0.052	0					0.14
64.833	0.00	0.05	0.051	0					0.14
64.917	0.00	0.05	0.051	0					0.14
65.000	0.00	0.04	0.051	0					0.14
65.083	0.00	0.04	0.050	0					0.14
65.167	0.00	0.04	0.050	0					0.14
65.250	0.00	0.04	0.050	0					0.14
65.333	0.00	0.04	0.049	0					0.14
65.417	0.00	0.04	0.049	0					0.14
65.500	0.00	0.04	0.049	0					0.14
65.583	0.00	0.04	0.048	0					0.13
65.667	0.00	0.04	0.048	0					0.13
65.750	0.00	0.04	0.048	0					0.13
65.833	0.00	0.04	0.048	0					0.13
65.917	0.00	0.04	0.047	0					0.13
66.000	0.00	0.04	0.047	0					0.13
66.083	0.00	0.04	0.047	0					0.13

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

66.167	0.00	0.04	0.046	0					0.13
66.250	0.00	0.04	0.046	0					0.13
66.333	0.00	0.04	0.046	0					0.13
66.417	0.00	0.04	0.046	0					0.13
66.500	0.00	0.04	0.045	0					0.13
66.583	0.00	0.04	0.045	0					0.13
66.667	0.00	0.04	0.045	0					0.12
66.750	0.00	0.04	0.044	0					0.12
66.833	0.00	0.04	0.044	0					0.12
66.917	0.00	0.04	0.044	0					0.12
67.000	0.00	0.04	0.044	0					0.12
67.083	0.00	0.04	0.043	0					0.12
67.167	0.00	0.04	0.043	0					0.12
67.250	0.00	0.04	0.043	0					0.12
67.333	0.00	0.04	0.043	0					0.12
67.417	0.00	0.04	0.042	0					0.12
67.500	0.00	0.04	0.042	0					0.12
67.583	0.00	0.04	0.042	0					0.12
67.667	0.00	0.04	0.042	0					0.12
67.750	0.00	0.04	0.041	0					0.11
67.833	0.00	0.04	0.041	0					0.11
67.917	0.00	0.04	0.041	0					0.11
68.000	0.00	0.04	0.041	0					0.11
68.083	0.00	0.04	0.040	0					0.11
68.167	0.00	0.04	0.040	0					0.11
68.250	0.00	0.04	0.040	0					0.11
68.333	0.00	0.04	0.040	0					0.11
68.417	0.00	0.03	0.039	0					0.11
68.500	0.00	0.03	0.039	0					0.11
68.583	0.00	0.03	0.039	0					0.11
68.667	0.00	0.03	0.039	0					0.11
68.750	0.00	0.03	0.038	0					0.11
68.833	0.00	0.03	0.038	0					0.11
68.917	0.00	0.03	0.038	0					0.11
69.000	0.00	0.03	0.038	0					0.10
69.083	0.00	0.03	0.037	0					0.10
69.167	0.00	0.03	0.037	0					0.10
69.250	0.00	0.03	0.037	0					0.10
69.333	0.00	0.03	0.037	0					0.10
69.417	0.00	0.03	0.037	0					0.10
69.500	0.00	0.03	0.036	0					0.10
69.583	0.00	0.03	0.036	0					0.10
69.667	0.00	0.03	0.036	0					0.10
69.750	0.00	0.03	0.036	0					0.10
69.833	0.00	0.03	0.035	0					0.10
69.917	0.00	0.03	0.035	0					0.10
70.000	0.00	0.03	0.035	0					0.10
70.083	0.00	0.03	0.035	0					0.10
70.167	0.00	0.03	0.035	0					0.10
70.250	0.00	0.03	0.034	0					0.10
70.333	0.00	0.03	0.034	0					0.09
70.417	0.00	0.03	0.034	0					0.09
70.500	0.00	0.03	0.034	0					0.09
70.583	0.00	0.03	0.034	0					0.09
70.667	0.00	0.03	0.033	0					0.09
70.750	0.00	0.03	0.033	0					0.09
70.833	0.00	0.03	0.033	0					0.09
70.917	0.00	0.03	0.033	0					0.09
71.000	0.00	0.03	0.033	0					0.09
71.083	0.00	0.03	0.032	0					0.09
71.167	0.00	0.03	0.032	0					0.09
71.250	0.00	0.03	0.032	0					0.09
71.333	0.00	0.03	0.032	0					0.09
71.417	0.00	0.03	0.032	0					0.09
71.500	0.00	0.03	0.031	0					0.09
71.583	0.00	0.03	0.031	0					0.09
71.667	0.00	0.03	0.031	0					0.09
71.750	0.00	0.03	0.031	0					0.09
71.833	0.00	0.03	0.031	0					0.09
71.917	0.00	0.03	0.030	0					0.08
72.000	0.00	0.03	0.030	0					0.08
72.083	0.00	0.03	0.030	0					0.08

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

72.167	0.00	0.03	0.030	0					0.08
72.250	0.00	0.03	0.030	0					0.08
72.333	0.00	0.03	0.030	0					0.08
72.417	0.00	0.03	0.029	0					0.08
72.500	0.00	0.03	0.029	0					0.08
72.583	0.00	0.03	0.029	0					0.08
72.667	0.00	0.03	0.029	0					0.08
72.750	0.00	0.03	0.029	0					0.08
72.833	0.00	0.03	0.028	0					0.08
72.917	0.00	0.03	0.028	0					0.08
73.000	0.00	0.02	0.028	0					0.08
73.083	0.00	0.02	0.028	0					0.08
73.167	0.00	0.02	0.028	0					0.08
73.250	0.00	0.02	0.028	0					0.08
73.333	0.00	0.02	0.027	0					0.08
73.417	0.00	0.02	0.027	0					0.08
73.500	0.00	0.02	0.027	0					0.08
73.583	0.00	0.02	0.027	0					0.07
73.667	0.00	0.02	0.027	0					0.07
73.750	0.00	0.02	0.027	0					0.07
73.833	0.00	0.02	0.026	0					0.07
73.917	0.00	0.02	0.026	0					0.07
74.000	0.00	0.02	0.026	0					0.07
74.083	0.00	0.02	0.026	0					0.07
74.167	0.00	0.02	0.026	0					0.07
74.250	0.00	0.02	0.026	0					0.07
74.333	0.00	0.02	0.025	0					0.07
74.417	0.00	0.02	0.025	0					0.07
74.500	0.00	0.02	0.025	0					0.07
74.583	0.00	0.02	0.025	0					0.07
74.667	0.00	0.02	0.025	0					0.07
74.750	0.00	0.02	0.025	0					0.07
74.833	0.00	0.02	0.025	0					0.07
74.917	0.00	0.02	0.024	0					0.07
75.000	0.00	0.02	0.024	0					0.07
75.083	0.00	0.02	0.024	0					0.07
75.167	0.00	0.02	0.024	0					0.07
75.250	0.00	0.02	0.024	0					0.07
75.333	0.00	0.02	0.024	0					0.07
75.417	0.00	0.02	0.024	0					0.07
75.500	0.00	0.02	0.023	0					0.06
75.583	0.00	0.02	0.023	0					0.06
75.667	0.00	0.02	0.023	0					0.06
75.750	0.00	0.02	0.023	0					0.06
75.833	0.00	0.02	0.023	0					0.06
75.917	0.00	0.02	0.023	0					0.06
76.000	0.00	0.02	0.023	0					0.06
76.083	0.00	0.02	0.022	0					0.06
76.167	0.00	0.02	0.022	0					0.06
76.250	0.00	0.02	0.022	0					0.06
76.333	0.00	0.02	0.022	0					0.06
76.417	0.00	0.02	0.022	0					0.06
76.500	0.00	0.02	0.022	0					0.06
76.583	0.00	0.02	0.022	0					0.06
76.667	0.00	0.02	0.021	0					0.06
76.750	0.00	0.02	0.021	0					0.06
76.833	0.00	0.02	0.021	0					0.06
76.917	0.00	0.02	0.021	0					0.06
77.000	0.00	0.02	0.021	0					0.06
77.083	0.00	0.02	0.021	0					0.06
77.167	0.00	0.02	0.021	0					0.06
77.250	0.00	0.02	0.021	0					0.06
77.333	0.00	0.02	0.020	0					0.06
77.417	0.00	0.02	0.020	0					0.06
77.500	0.00	0.02	0.020	0					0.06
77.583	0.00	0.02	0.020	0					0.06
77.667	0.00	0.02	0.020	0					0.06
77.750	0.00	0.02	0.020	0					0.06
77.833	0.00	0.02	0.020	0					0.05
77.917	0.00	0.02	0.020	0					0.05
78.000	0.00	0.02	0.019	0					0.05
78.083	0.00	0.02	0.019	0					0.05

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

78.167	0.00	0.02	0.019	0					0.05
78.250	0.00	0.02	0.019	0					0.05
78.333	0.00	0.02	0.019	0					0.05
78.417	0.00	0.02	0.019	0					0.05
78.500	0.00	0.02	0.019	0					0.05
78.583	0.00	0.02	0.019	0					0.05
78.667	0.00	0.02	0.019	0					0.05
78.750	0.00	0.02	0.018	0					0.05
78.833	0.00	0.02	0.018	0					0.05
78.917	0.00	0.02	0.018	0					0.05
79.000	0.00	0.02	0.018	0					0.05
79.083	0.00	0.02	0.018	0					0.05
79.167	0.00	0.02	0.018	0					0.05
79.250	0.00	0.02	0.018	0					0.05
79.333	0.00	0.02	0.018	0					0.05
79.417	0.00	0.02	0.018	0					0.05
79.500	0.00	0.02	0.017	0					0.05
79.583	0.00	0.02	0.017	0					0.05
79.667	0.00	0.02	0.017	0					0.05
79.750	0.00	0.02	0.017	0					0.05
79.833	0.00	0.02	0.017	0					0.05
79.917	0.00	0.02	0.017	0					0.05
80.000	0.00	0.01	0.017	0					0.05
80.083	0.00	0.01	0.017	0					0.05
80.167	0.00	0.01	0.017	0					0.05
80.250	0.00	0.01	0.016	0					0.05
80.333	0.00	0.01	0.016	0					0.05
80.417	0.00	0.01	0.016	0					0.05
80.500	0.00	0.01	0.016	0					0.04
80.583	0.00	0.01	0.016	0					0.04
80.667	0.00	0.01	0.016	0					0.04
80.750	0.00	0.01	0.016	0					0.04
80.833	0.00	0.01	0.016	0					0.04
80.917	0.00	0.01	0.016	0					0.04
81.000	0.00	0.01	0.016	0					0.04
81.083	0.00	0.01	0.016	0					0.04
81.167	0.00	0.01	0.015	0					0.04
81.250	0.00	0.01	0.015	0					0.04
81.333	0.00	0.01	0.015	0					0.04
81.417	0.00	0.01	0.015	0					0.04
81.500	0.00	0.01	0.015	0					0.04
81.583	0.00	0.01	0.015	0					0.04
81.667	0.00	0.01	0.015	0					0.04
81.750	0.00	0.01	0.015	0					0.04
81.833	0.00	0.01	0.015	0					0.04
81.917	0.00	0.01	0.015	0					0.04
82.000	0.00	0.01	0.015	0					0.04
82.083	0.00	0.01	0.014	0					0.04
82.167	0.00	0.01	0.014	0					0.04
82.250	0.00	0.01	0.014	0					0.04
82.333	0.00	0.01	0.014	0					0.04
82.417	0.00	0.01	0.014	0					0.04
82.500	0.00	0.01	0.014	0					0.04
82.583	0.00	0.01	0.014	0					0.04
82.667	0.00	0.01	0.014	0					0.04
82.750	0.00	0.01	0.014	0					0.04
82.833	0.00	0.01	0.014	0					0.04
82.917	0.00	0.01	0.014	0					0.04
83.000	0.00	0.01	0.013	0					0.04
83.083	0.00	0.01	0.013	0					0.04
83.167	0.00	0.01	0.013	0					0.04
83.250	0.00	0.01	0.013	0					0.04
83.333	0.00	0.01	0.013	0					0.04
83.417	0.00	0.01	0.013	0					0.04
83.500	0.00	0.01	0.013	0					0.04
83.583	0.00	0.01	0.013	0					0.04
83.667	0.00	0.01	0.013	0					0.04
83.750	0.00	0.01	0.013	0					0.04
83.833	0.00	0.01	0.013	0					0.04
83.917	0.00	0.01	0.013	0					0.03
84.000	0.00	0.01	0.013	0					0.03
84.083	0.00	0.01	0.012	0					0.03

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

84.167	0.00	0.01	0.012	0					0.03
84.250	0.00	0.01	0.012	0					0.03
84.333	0.00	0.01	0.012	0					0.03
84.417	0.00	0.01	0.012	0					0.03
84.500	0.00	0.01	0.012	0					0.03
84.583	0.00	0.01	0.012	0					0.03
84.667	0.00	0.01	0.012	0					0.03
84.750	0.00	0.01	0.012	0					0.03
84.833	0.00	0.01	0.012	0					0.03
84.917	0.00	0.01	0.012	0					0.03
85.000	0.00	0.01	0.012	0					0.03
85.083	0.00	0.01	0.012	0					0.03
85.167	0.00	0.01	0.011	0					0.03
85.250	0.00	0.01	0.011	0					0.03
85.333	0.00	0.01	0.011	0					0.03
85.417	0.00	0.01	0.011	0					0.03
85.500	0.00	0.01	0.011	0					0.03
85.583	0.00	0.01	0.011	0					0.03
85.667	0.00	0.01	0.011	0					0.03
85.750	0.00	0.01	0.011	0					0.03
85.833	0.00	0.01	0.011	0					0.03
85.917	0.00	0.01	0.011	0					0.03
86.000	0.00	0.01	0.011	0					0.03
86.083	0.00	0.01	0.011	0					0.03
86.167	0.00	0.01	0.011	0					0.03
86.250	0.00	0.01	0.011	0					0.03
86.333	0.00	0.01	0.011	0					0.03
86.417	0.00	0.01	0.010	0					0.03
86.500	0.00	0.01	0.010	0					0.03
86.583	0.00	0.01	0.010	0					0.03
86.667	0.00	0.01	0.010	0					0.03
86.750	0.00	0.01	0.010	0					0.03
86.833	0.00	0.01	0.010	0					0.03
86.917	0.00	0.01	0.010	0					0.03
87.000	0.00	0.01	0.010	0					0.03
87.083	0.00	0.01	0.010	0					0.03
87.167	0.00	0.01	0.010	0					0.03
87.250	0.00	0.01	0.010	0					0.03
87.333	0.00	0.01	0.010	0					0.03
87.417	0.00	0.01	0.010	0					0.03
87.500	0.00	0.01	0.010	0					0.03
87.583	0.00	0.01	0.010	0					0.03
87.667	0.00	0.01	0.010	0					0.03
87.750	0.00	0.01	0.010	0					0.03
87.833	0.00	0.01	0.009	0					0.03
87.917	0.00	0.01	0.009	0					0.03
88.000	0.00	0.01	0.009	0					0.03
88.083	0.00	0.01	0.009	0					0.03
88.167	0.00	0.01	0.009	0					0.03
88.250	0.00	0.01	0.009	0					0.03
88.333	0.00	0.01	0.009	0					0.03
88.417	0.00	0.01	0.009	0					0.03
88.500	0.00	0.01	0.009	0					0.02
88.583	0.00	0.01	0.009	0					0.02
88.667	0.00	0.01	0.009	0					0.02
88.750	0.00	0.01	0.009	0					0.02
88.833	0.00	0.01	0.009	0					0.02
88.917	0.00	0.01	0.009	0					0.02
89.000	0.00	0.01	0.009	0					0.02
89.083	0.00	0.01	0.009	0					0.02
89.167	0.00	0.01	0.009	0					0.02
89.250	0.00	0.01	0.009	0					0.02
89.333	0.00	0.01	0.008	0					0.02
89.417	0.00	0.01	0.008	0					0.02
89.500	0.00	0.01	0.008	0					0.02
89.583	0.00	0.01	0.008	0					0.02
89.667	0.00	0.01	0.008	0					0.02
89.750	0.00	0.01	0.008	0					0.02
89.833	0.00	0.01	0.008	0					0.02
89.917	0.00	0.01	0.008	0					0.02
90.000	0.00	0.01	0.008	0					0.02
90.083	0.00	0.01	0.008	0					0.02

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

90.167	0.00	0.01	0.008	0					0.02
90.250	0.00	0.01	0.008	0					0.02
90.333	0.00	0.01	0.008	0					0.02
90.417	0.00	0.01	0.008	0					0.02
90.500	0.00	0.01	0.008	0					0.02
90.583	0.00	0.01	0.008	0					0.02
90.667	0.00	0.01	0.008	0					0.02
90.750	0.00	0.01	0.008	0					0.02
90.833	0.00	0.01	0.008	0					0.02
90.917	0.00	0.01	0.008	0					0.02
91.000	0.00	0.01	0.007	0					0.02
91.083	0.00	0.01	0.007	0					0.02
91.167	0.00	0.01	0.007	0					0.02
91.250	0.00	0.01	0.007	0					0.02
91.333	0.00	0.01	0.007	0					0.02
91.417	0.00	0.01	0.007	0					0.02
91.500	0.00	0.01	0.007	0					0.02
91.583	0.00	0.01	0.007	0					0.02
91.667	0.00	0.01	0.007	0					0.02
91.750	0.00	0.01	0.007	0					0.02
91.833	0.00	0.01	0.007	0					0.02
91.917	0.00	0.01	0.007	0					0.02
92.000	0.00	0.01	0.007	0					0.02
92.083	0.00	0.01	0.007	0					0.02
92.167	0.00	0.01	0.007	0					0.02
92.250	0.00	0.01	0.007	0					0.02
92.333	0.00	0.01	0.007	0					0.02
92.417	0.00	0.01	0.007	0					0.02
92.500	0.00	0.01	0.007	0					0.02
92.583	0.00	0.01	0.007	0					0.02
92.667	0.00	0.01	0.007	0					0.02
92.750	0.00	0.01	0.007	0					0.02
92.833	0.00	0.01	0.007	0					0.02
92.917	0.00	0.01	0.007	0					0.02
93.000	0.00	0.01	0.006	0					0.02
93.083	0.00	0.01	0.006	0					0.02
93.167	0.00	0.01	0.006	0					0.02
93.250	0.00	0.01	0.006	0					0.02
93.333	0.00	0.01	0.006	0					0.02
93.417	0.00	0.01	0.006	0					0.02
93.500	0.00	0.01	0.006	0					0.02
93.583	0.00	0.01	0.006	0					0.02
93.667	0.00	0.01	0.006	0					0.02
93.750	0.00	0.01	0.006	0					0.02
93.833	0.00	0.01	0.006	0					0.02
93.917	0.00	0.01	0.006	0					0.02
94.000	0.00	0.01	0.006	0					0.02
94.083	0.00	0.01	0.006	0					0.02
94.167	0.00	0.01	0.006	0					0.02
94.250	0.00	0.01	0.006	0					0.02
94.333	0.00	0.01	0.006	0					0.02
94.417	0.00	0.01	0.006	0					0.02
94.500	0.00	0.01	0.006	0					0.02
94.583	0.00	0.01	0.006	0					0.02
94.667	0.00	0.01	0.006	0					0.02
94.750	0.00	0.01	0.006	0					0.02
94.833	0.00	0.01	0.006	0					0.02
94.917	0.00	0.00	0.006	0					0.02
95.000	0.00	0.00	0.006	0					0.02
95.083	0.00	0.00	0.006	0					0.02
95.167	0.00	0.00	0.006	0					0.02
95.250	0.00	0.00	0.005	0					0.02
95.333	0.00	0.00	0.005	0					0.02
95.417	0.00	0.00	0.005	0					0.02
95.500	0.00	0.00	0.005	0					0.01
95.583	0.00	0.00	0.005	0					0.01
95.667	0.00	0.00	0.005	0					0.01
95.750	0.00	0.00	0.005	0					0.01
95.833	0.00	0.00	0.005	0					0.01
95.917	0.00	0.00	0.005	0					0.01
96.000	0.00	0.00	0.005	0					0.01
96.083	0.00	0.00	0.005	0					0.01

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

96.167	0.00	0.00	0.005	0					0.01
96.250	0.00	0.00	0.005	0					0.01
96.333	0.00	0.00	0.005	0					0.01
96.417	0.00	0.00	0.005	0					0.01
96.500	0.00	0.00	0.005	0					0.01
96.583	0.00	0.00	0.005	0					0.01
96.667	0.00	0.00	0.005	0					0.01
96.750	0.00	0.00	0.005	0					0.01
96.833	0.00	0.00	0.005	0					0.01
96.917	0.00	0.00	0.005	0					0.01
97.000	0.00	0.00	0.005	0					0.01
97.083	0.00	0.00	0.005	0					0.01
97.167	0.00	0.00	0.005	0					0.01
97.250	0.00	0.00	0.005	0					0.01
97.333	0.00	0.00	0.005	0					0.01
97.417	0.00	0.00	0.005	0					0.01
97.500	0.00	0.00	0.005	0					0.01
97.583	0.00	0.00	0.005	0					0.01
97.667	0.00	0.00	0.005	0					0.01
97.750	0.00	0.00	0.005	0					0.01
97.833	0.00	0.00	0.005	0					0.01
97.917	0.00	0.00	0.005	0					0.01
98.000	0.00	0.00	0.004	0					0.01
98.083	0.00	0.00	0.004	0					0.01
98.167	0.00	0.00	0.004	0					0.01
98.250	0.00	0.00	0.004	0					0.01
98.333	0.00	0.00	0.004	0					0.01
98.417	0.00	0.00	0.004	0					0.01
98.500	0.00	0.00	0.004	0					0.01
98.583	0.00	0.00	0.004	0					0.01
98.667	0.00	0.00	0.004	0					0.01
98.750	0.00	0.00	0.004	0					0.01
98.833	0.00	0.00	0.004	0					0.01
98.917	0.00	0.00	0.004	0					0.01
99.000	0.00	0.00	0.004	0					0.01
99.083	0.00	0.00	0.004	0					0.01
99.167	0.00	0.00	0.004	0					0.01
99.250	0.00	0.00	0.004	0					0.01
99.333	0.00	0.00	0.004	0					0.01
99.417	0.00	0.00	0.004	0					0.01
99.500	0.00	0.00	0.004	0					0.01
99.583	0.00	0.00	0.004	0					0.01
99.667	0.00	0.00	0.004	0					0.01
99.750	0.00	0.00	0.004	0					0.01
99.833	0.00	0.00	0.004	0					0.01
99.917	0.00	0.00	0.004	0					0.01
100.000	0.00	0.00	0.004	0					0.01
100.083	0.00	0.00	0.004	0					0.01
100.167	0.00	0.00	0.004	0					0.01
100.250	0.00	0.00	0.004	0					0.01
100.333	0.00	0.00	0.004	0					0.01
100.417	0.00	0.00	0.004	0					0.01
100.500	0.00	0.00	0.004	0					0.01
100.583	0.00	0.00	0.004	0					0.01
100.667	0.00	0.00	0.004	0					0.01
100.750	0.00	0.00	0.004	0					0.01
100.833	0.00	0.00	0.004	0					0.01
100.917	0.00	0.00	0.004	0					0.01
101.000	0.00	0.00	0.004	0					0.01
101.083	0.00	0.00	0.004	0					0.01
101.167	0.00	0.00	0.004	0					0.01
101.250	0.00	0.00	0.004	0					0.01
101.333	0.00	0.00	0.004	0					0.01
101.417	0.00	0.00	0.003	0					0.01
101.500	0.00	0.00	0.003	0					0.01
101.583	0.00	0.00	0.003	0					0.01
101.667	0.00	0.00	0.003	0					0.01
101.750	0.00	0.00	0.003	0					0.01
101.833	0.00	0.00	0.003	0					0.01
101.917	0.00	0.00	0.003	0					0.01
102.000	0.00	0.00	0.003	0					0.01
102.083	0.00	0.00	0.003	0					0.01

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

102.167	0.00	0.00	0.003	0					0.01
102.250	0.00	0.00	0.003	0					0.01
102.333	0.00	0.00	0.003	0					0.01
102.417	0.00	0.00	0.003	0					0.01
102.500	0.00	0.00	0.003	0					0.01
102.583	0.00	0.00	0.003	0					0.01
102.667	0.00	0.00	0.003	0					0.01
102.750	0.00	0.00	0.003	0					0.01
102.833	0.00	0.00	0.003	0					0.01
102.917	0.00	0.00	0.003	0					0.01
103.000	0.00	0.00	0.003	0					0.01
103.083	0.00	0.00	0.003	0					0.01
103.167	0.00	0.00	0.003	0					0.01
103.250	0.00	0.00	0.003	0					0.01
103.333	0.00	0.00	0.003	0					0.01
103.417	0.00	0.00	0.003	0					0.01
103.500	0.00	0.00	0.003	0					0.01
103.583	0.00	0.00	0.003	0					0.01
103.667	0.00	0.00	0.003	0					0.01
103.750	0.00	0.00	0.003	0					0.01
103.833	0.00	0.00	0.003	0					0.01
103.917	0.00	0.00	0.003	0					0.01
104.000	0.00	0.00	0.003	0					0.01
104.083	0.00	0.00	0.003	0					0.01
104.167	0.00	0.00	0.003	0					0.01
104.250	0.00	0.00	0.003	0					0.01
104.333	0.00	0.00	0.003	0					0.01
104.417	0.00	0.00	0.003	0					0.01
104.500	0.00	0.00	0.003	0					0.01
104.583	0.00	0.00	0.003	0					0.01
104.667	0.00	0.00	0.003	0					0.01
104.750	0.00	0.00	0.003	0					0.01
104.833	0.00	0.00	0.003	0					0.01
104.917	0.00	0.00	0.003	0					0.01
105.000	0.00	0.00	0.003	0					0.01
105.083	0.00	0.00	0.003	0					0.01
105.167	0.00	0.00	0.003	0					0.01
105.250	0.00	0.00	0.003	0					0.01
105.333	0.00	0.00	0.003	0					0.01
105.417	0.00	0.00	0.003	0					0.01
105.500	0.00	0.00	0.003	0					0.01
105.583	0.00	0.00	0.003	0					0.01
105.667	0.00	0.00	0.003	0					0.01
105.750	0.00	0.00	0.003	0					0.01
105.833	0.00	0.00	0.003	0					0.01
105.917	0.00	0.00	0.003	0					0.01
106.000	0.00	0.00	0.002	0					0.01
106.083	0.00	0.00	0.002	0					0.01
106.167	0.00	0.00	0.002	0					0.01
106.250	0.00	0.00	0.002	0					0.01
106.333	0.00	0.00	0.002	0					0.01
106.417	0.00	0.00	0.002	0					0.01
106.500	0.00	0.00	0.002	0					0.01
106.583	0.00	0.00	0.002	0					0.01
106.667	0.00	0.00	0.002	0					0.01
106.750	0.00	0.00	0.002	0					0.01
106.833	0.00	0.00	0.002	0					0.01
106.917	0.00	0.00	0.002	0					0.01
107.000	0.00	0.00	0.002	0					0.01
107.083	0.00	0.00	0.002	0					0.01
107.167	0.00	0.00	0.002	0					0.01
107.250	0.00	0.00	0.002	0					0.01
107.333	0.00	0.00	0.002	0					0.01
107.417	0.00	0.00	0.002	0					0.01
107.500	0.00	0.00	0.002	0					0.01
107.583	0.00	0.00	0.002	0					0.01
107.667	0.00	0.00	0.002	0					0.01
107.750	0.00	0.00	0.002	0					0.01
107.833	0.00	0.00	0.002	0					0.01
107.917	0.00	0.00	0.002	0					0.01
108.000	0.00	0.00	0.002	0					0.01
108.083	0.00	0.00	0.002	0					0.01

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

108.167	0.00	0.00	0.002	0					0.01
108.250	0.00	0.00	0.002	0					0.01
108.333	0.00	0.00	0.002	0					0.01
108.417	0.00	0.00	0.002	0					0.01
108.500	0.00	0.00	0.002	0					0.01
108.583	0.00	0.00	0.002	0					0.01
108.667	0.00	0.00	0.002	0					0.01
108.750	0.00	0.00	0.002	0					0.01
108.833	0.00	0.00	0.002	0					0.01
108.917	0.00	0.00	0.002	0					0.01
109.000	0.00	0.00	0.002	0					0.01
109.083	0.00	0.00	0.002	0					0.01
109.167	0.00	0.00	0.002	0					0.01
109.250	0.00	0.00	0.002	0					0.01
109.333	0.00	0.00	0.002	0					0.01
109.417	0.00	0.00	0.002	0					0.01
109.500	0.00	0.00	0.002	0					0.01
109.583	0.00	0.00	0.002	0					0.01
109.667	0.00	0.00	0.002	0					0.01
109.750	0.00	0.00	0.002	0					0.01
109.833	0.00	0.00	0.002	0					0.01
109.917	0.00	0.00	0.002	0					0.01
110.000	0.00	0.00	0.002	0					0.01
110.083	0.00	0.00	0.002	0					0.01
110.167	0.00	0.00	0.002	0					0.01
110.250	0.00	0.00	0.002	0					0.01
110.333	0.00	0.00	0.002	0					0.01
110.417	0.00	0.00	0.002	0					0.00
110.500	0.00	0.00	0.002	0					0.00
110.583	0.00	0.00	0.002	0					0.00
110.667	0.00	0.00	0.002	0					0.00
110.750	0.00	0.00	0.002	0					0.00
110.833	0.00	0.00	0.002	0					0.00
110.917	0.00	0.00	0.002	0					0.00
111.000	0.00	0.00	0.002	0					0.00
111.083	0.00	0.00	0.002	0					0.00
111.167	0.00	0.00	0.002	0					0.00
111.250	0.00	0.00	0.002	0					0.00
111.333	0.00	0.00	0.002	0					0.00
111.417	0.00	0.00	0.002	0					0.00
111.500	0.00	0.00	0.002	0					0.00
111.583	0.00	0.00	0.002	0					0.00
111.667	0.00	0.00	0.002	0					0.00
111.750	0.00	0.00	0.002	0					0.00
111.833	0.00	0.00	0.002	0					0.00
111.917	0.00	0.00	0.002	0					0.00
112.000	0.00	0.00	0.002	0					0.00
112.083	0.00	0.00	0.002	0					0.00
112.167	0.00	0.00	0.002	0					0.00
112.250	0.00	0.00	0.002	0					0.00
112.333	0.00	0.00	0.002	0					0.00
112.417	0.00	0.00	0.002	0					0.00
112.500	0.00	0.00	0.002	0					0.00
112.583	0.00	0.00	0.002	0					0.00
112.667	0.00	0.00	0.002	0					0.00
112.750	0.00	0.00	0.002	0					0.00
112.833	0.00	0.00	0.002	0					0.00
112.917	0.00	0.00	0.001	0					0.00
113.000	0.00	0.00	0.001	0					0.00
113.083	0.00	0.00	0.001	0					0.00
113.167	0.00	0.00	0.001	0					0.00
113.250	0.00	0.00	0.001	0					0.00
113.333	0.00	0.00	0.001	0					0.00
113.417	0.00	0.00	0.001	0					0.00
113.500	0.00	0.00	0.001	0					0.00
113.583	0.00	0.00	0.001	0					0.00
113.667	0.00	0.00	0.001	0					0.00
113.750	0.00	0.00	0.001	0					0.00
113.833	0.00	0.00	0.001	0					0.00
113.917	0.00	0.00	0.001	0					0.00
114.000	0.00	0.00	0.001	0					0.00
114.083	0.00	0.00	0.001	0					0.00

Glen Ivy Senior Living

ATTACHMENT D – Detention Basin Routing

114.167	0.00	0.00	0.001	0					0.00
114.250	0.00	0.00	0.001	0					0.00
114.333	0.00	0.00	0.001	0					0.00
114.417	0.00	0.00	0.001	0					0.00
114.500	0.00	0.00	0.001	0					0.00
114.583	0.00	0.00	0.001	0					0.00
114.667	0.00	0.00	0.001	0					0.00
114.750	0.00	0.00	0.001	0					0.00
114.833	0.00	0.00	0.001	0					0.00
114.917	0.00	0.00	0.001	0					0.00
115.000	0.00	0.00	0.001	0					0.00
115.083	0.00	0.00	0.001	0					0.00
115.167	0.00	0.00	0.001	0					0.00
115.250	0.00	0.00	0.001	0					0.00
115.333	0.00	0.00	0.001	0					0.00
115.417	0.00	0.00	0.001	0					0.00
115.500	0.00	0.00	0.001	0					0.00
115.583	0.00	0.00	0.001	0					0.00
115.667	0.00	0.00	0.001	0					0.00
115.750	0.00	0.00	0.001	0					0.00
115.833	0.00	0.00	0.001	0					0.00
115.917	0.00	0.00	0.001	0					0.00
116.000	0.00	0.00	0.001	0					0.00
116.083	0.00	0.00	0.001	0					0.00
116.167	0.00	0.00	0.001	0					0.00
116.250	0.00	0.00	0.001	0					0.00
116.333	0.00	0.00	0.001	0					0.00
116.417	0.00	0.00	0.001	0					0.00
116.500	0.00	0.00	0.001	0					0.00
116.583	0.00	0.00	0.001	0					0.00
116.667	0.00	0.00	0.001	0					0.00
116.750	0.00	0.00	0.001	0					0.00
116.833	0.00	0.00	0.001	0					0.00

Remaining water in basin = 0.00 (Ac.Ft)

```

*****HYDROGRAPH DATA*****
      Number of intervals = 1402
      Time interval = 5.0 (Min.)
      Maximum/Peak flow rate = 0.546 (CFS)
      Total volume = 1.462 (Ac.Ft)
      Status of hydrographs being held in storage
      Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
      Peak (CFS) 0.000 0.000 0.000 0.000 0.000
      Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000
*****

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Glen Ivy Senior Living

ATTACHMENT D – Detention Basin Routing

FLOOD HYDROGRAPH ROUTING PROGRAM
 Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2005
 Study date: 08/18/20

 Glen Ivy Senior Living
 Inflow Hydrograph Calculations
 Detention Basin A
 5-year 1-hour storm

Program License Serial Number 4029

 ***** HYDROGRAPH INFORMATION *****

From study/file name: sh5pr15.rte
 *****HYDROGRAPH DATA*****
 Number of intervals = 15
 Time interval = 5.0 (Min.)
 Maximum/Peak flow rate = 14.269 (CFS)
 Total volume = 0.511 (Ac.Ft)
 Status of hydrographs being held in storage
 Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
 Peak (CFS) 0.000 0.000 0.000 0.000 0.000
 Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
 Process from Point/Station 10.000 to Point/Station 11.000
 **** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 15
 Hydrograph time unit = 5.000 (Min.)
 Initial depth in storage basin = 0.00 (Ft.)

Initial basin depth = 0.00 (Ft.)
 Initial basin storage = 0.00 (Ac.Ft)
 Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.360	0.320	0.359	0.361
2.000	0.810	0.460	0.808	0.812
3.000	1.310	0.680	1.308	1.312
4.000	1.860	0.880	1.857	1.863
5.000	2.470	6.320	2.448	2.492
6.000	3.140	16.140	3.084	3.196

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	Depth (Ft.)
0.083	1.38	0.00	0.005	0.01

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

0.167	2.74	0.02	0.019	O	I					0.05
0.250	3.31	0.04	0.039	O	I					0.11
0.333	3.71	0.06	0.063	O	I					0.18
0.417	3.86	0.08	0.089	O	I					0.25
0.500	4.19	0.10	0.116	O		I				0.32
0.583	4.92	0.13	0.147	O		I				0.41
0.667	5.91	0.16	0.183	O		I				0.51
0.750	7.88	0.20	0.229	O			I			0.64
0.833	14.27	0.27	0.304	O				I		0.84
0.917	12.48	0.33	0.394	O				I		1.08
1.000	6.08	0.35	0.455	O		I				1.21
1.083	2.77	0.36	0.483	O	I					1.27
1.167	0.51	0.36	0.492	O	I					1.29
1.250	0.14	0.36	0.492	O						1.29
1.333	0.00	0.36	0.490	O						1.29
1.417	0.00	0.36	0.487	O						1.28
1.500	0.00	0.36	0.485	O						1.28
1.583	0.00	0.36	0.483	O						1.27
1.667	0.00	0.36	0.480	O						1.27
1.750	0.00	0.36	0.478	O						1.26
1.833	0.00	0.36	0.475	O						1.26
1.917	0.00	0.36	0.473	O						1.25
2.000	0.00	0.35	0.470	O						1.25
2.083	0.00	0.35	0.468	O						1.24
2.167	0.00	0.35	0.465	O						1.23
2.250	0.00	0.35	0.463	O						1.23
2.333	0.00	0.35	0.461	O						1.22
2.417	0.00	0.35	0.458	O						1.22
2.500	0.00	0.35	0.456	O						1.21
2.583	0.00	0.35	0.453	O						1.21
2.667	0.00	0.35	0.451	O						1.20
2.750	0.00	0.35	0.449	O						1.20
2.833	0.00	0.35	0.446	O						1.19
2.917	0.00	0.35	0.444	O						1.19
3.000	0.00	0.35	0.441	O						1.18
3.083	0.00	0.34	0.439	O						1.18
3.167	0.00	0.34	0.437	O						1.17
3.250	0.00	0.34	0.434	O						1.17
3.333	0.00	0.34	0.432	O						1.16
3.417	0.00	0.34	0.430	O						1.15
3.500	0.00	0.34	0.427	O						1.15
3.583	0.00	0.34	0.425	O						1.14
3.667	0.00	0.34	0.423	O						1.14
3.750	0.00	0.34	0.420	O						1.13
3.833	0.00	0.34	0.418	O						1.13
3.917	0.00	0.34	0.416	O						1.12
4.000	0.00	0.34	0.413	O						1.12
4.083	0.00	0.34	0.411	O						1.11
4.167	0.00	0.34	0.409	O						1.11
4.250	0.00	0.33	0.406	O						1.10
4.333	0.00	0.33	0.404	O						1.10
4.417	0.00	0.33	0.402	O						1.09
4.500	0.00	0.33	0.399	O						1.09
4.583	0.00	0.33	0.397	O						1.08
4.667	0.00	0.33	0.395	O						1.08
4.750	0.00	0.33	0.393	O						1.07
4.833	0.00	0.33	0.390	O						1.07
4.917	0.00	0.33	0.388	O						1.06
5.000	0.00	0.33	0.386	O						1.06
5.083	0.00	0.33	0.383	O						1.05
5.167	0.00	0.33	0.381	O						1.05
5.250	0.00	0.33	0.379	O						1.04
5.333	0.00	0.33	0.377	O						1.04
5.417	0.00	0.32	0.374	O						1.03
5.500	0.00	0.32	0.372	O						1.03
5.583	0.00	0.32	0.370	O						1.02
5.667	0.00	0.32	0.368	O						1.02
5.750	0.00	0.32	0.366	O						1.01
5.833	0.00	0.32	0.363	O						1.01
5.917	0.00	0.32	0.361	O						1.00
6.000	0.00	0.32	0.359	O						1.00
6.083	0.00	0.32	0.357	O						0.99

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

6.167	0.00	0.32	0.355	0					0.99
6.250	0.00	0.31	0.352	0					0.98
6.333	0.00	0.31	0.350	0					0.97
6.417	0.00	0.31	0.348	0					0.97
6.500	0.00	0.31	0.346	0					0.96
6.583	0.00	0.31	0.344	0					0.96
6.667	0.00	0.30	0.342	0					0.95
6.750	0.00	0.30	0.340	0					0.94
6.833	0.00	0.30	0.338	0					0.94
6.917	0.00	0.30	0.336	0					0.93
7.000	0.00	0.30	0.334	0					0.93
7.083	0.00	0.29	0.332	0					0.92
7.167	0.00	0.29	0.329	0					0.92
7.250	0.00	0.29	0.327	0					0.91
7.333	0.00	0.29	0.325	0					0.90
7.417	0.00	0.29	0.323	0					0.90
7.500	0.00	0.29	0.322	0					0.89
7.583	0.00	0.28	0.320	0					0.89
7.667	0.00	0.28	0.318	0					0.88
7.750	0.00	0.28	0.316	0					0.88
7.833	0.00	0.28	0.314	0					0.87
7.917	0.00	0.28	0.312	0					0.87
8.000	0.00	0.28	0.310	0					0.86
8.083	0.00	0.27	0.308	0					0.86
8.167	0.00	0.27	0.306	0					0.85
8.250	0.00	0.27	0.304	0					0.85
8.333	0.00	0.27	0.302	0					0.84
8.417	0.00	0.27	0.301	0					0.83
8.500	0.00	0.27	0.299	0					0.83
8.583	0.00	0.26	0.297	0					0.82
8.667	0.00	0.26	0.295	0					0.82
8.750	0.00	0.26	0.293	0					0.81
8.833	0.00	0.26	0.292	0					0.81
8.917	0.00	0.26	0.290	0					0.80
9.000	0.00	0.26	0.288	0					0.80
9.083	0.00	0.25	0.286	0					0.80
9.167	0.00	0.25	0.284	0					0.79
9.250	0.00	0.25	0.283	0					0.79
9.333	0.00	0.25	0.281	0					0.78
9.417	0.00	0.25	0.279	0					0.78
9.500	0.00	0.25	0.278	0					0.77
9.583	0.00	0.25	0.276	0					0.77
9.667	0.00	0.24	0.274	0					0.76
9.750	0.00	0.24	0.273	0					0.76
9.833	0.00	0.24	0.271	0					0.75
9.917	0.00	0.24	0.269	0					0.75
10.000	0.00	0.24	0.268	0					0.74
10.083	0.00	0.24	0.266	0					0.74
10.167	0.00	0.23	0.264	0					0.73
10.250	0.00	0.23	0.263	0					0.73
10.333	0.00	0.23	0.261	0					0.73
10.417	0.00	0.23	0.260	0					0.72
10.500	0.00	0.23	0.258	0					0.72
10.583	0.00	0.23	0.256	0					0.71
10.667	0.00	0.23	0.255	0					0.71
10.750	0.00	0.23	0.253	0					0.70
10.833	0.00	0.22	0.252	0					0.70
10.917	0.00	0.22	0.250	0					0.69
11.000	0.00	0.22	0.249	0					0.69
11.083	0.00	0.22	0.247	0					0.69
11.167	0.00	0.22	0.246	0					0.68
11.250	0.00	0.22	0.244	0					0.68
11.333	0.00	0.22	0.243	0					0.67
11.417	0.00	0.21	0.241	0					0.67
11.500	0.00	0.21	0.240	0					0.67
11.583	0.00	0.21	0.238	0					0.66
11.667	0.00	0.21	0.237	0					0.66
11.750	0.00	0.21	0.235	0					0.65
11.833	0.00	0.21	0.234	0					0.65
11.917	0.00	0.21	0.232	0					0.65
12.000	0.00	0.21	0.231	0					0.64
12.083	0.00	0.20	0.230	0					0.64

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

12.167	0.00	0.20	0.228	0					0.63
12.250	0.00	0.20	0.227	0					0.63
12.333	0.00	0.20	0.225	0					0.63
12.417	0.00	0.20	0.224	0					0.62
12.500	0.00	0.20	0.223	0					0.62
12.583	0.00	0.20	0.221	0					0.61
12.667	0.00	0.20	0.220	0					0.61
12.750	0.00	0.19	0.219	0					0.61
12.833	0.00	0.19	0.217	0					0.60
12.917	0.00	0.19	0.216	0					0.60
13.000	0.00	0.19	0.215	0					0.60
13.083	0.00	0.19	0.213	0					0.59
13.167	0.00	0.19	0.212	0					0.59
13.250	0.00	0.19	0.211	0					0.59
13.333	0.00	0.19	0.209	0					0.58
13.417	0.00	0.19	0.208	0					0.58
13.500	0.00	0.18	0.207	0					0.57
13.583	0.00	0.18	0.206	0					0.57
13.667	0.00	0.18	0.204	0					0.57
13.750	0.00	0.18	0.203	0					0.56
13.833	0.00	0.18	0.202	0					0.56
13.917	0.00	0.18	0.201	0					0.56
14.000	0.00	0.18	0.199	0					0.55
14.083	0.00	0.18	0.198	0					0.55
14.167	0.00	0.18	0.197	0					0.55
14.250	0.00	0.17	0.196	0					0.54
14.333	0.00	0.17	0.195	0					0.54
14.417	0.00	0.17	0.193	0					0.54
14.500	0.00	0.17	0.192	0					0.53
14.583	0.00	0.17	0.191	0					0.53
14.667	0.00	0.17	0.190	0					0.53
14.750	0.00	0.17	0.189	0					0.52
14.833	0.00	0.17	0.188	0					0.52
14.917	0.00	0.17	0.186	0					0.52
15.000	0.00	0.16	0.185	0					0.51
15.083	0.00	0.16	0.184	0					0.51
15.167	0.00	0.16	0.183	0					0.51
15.250	0.00	0.16	0.182	0					0.51
15.333	0.00	0.16	0.181	0					0.50
15.417	0.00	0.16	0.180	0					0.50
15.500	0.00	0.16	0.179	0					0.50
15.583	0.00	0.16	0.178	0					0.49
15.667	0.00	0.16	0.176	0					0.49
15.750	0.00	0.16	0.175	0					0.49
15.833	0.00	0.15	0.174	0					0.48
15.917	0.00	0.15	0.173	0					0.48
16.000	0.00	0.15	0.172	0					0.48
16.083	0.00	0.15	0.171	0					0.48
16.167	0.00	0.15	0.170	0					0.47
16.250	0.00	0.15	0.169	0					0.47
16.333	0.00	0.15	0.168	0					0.47
16.417	0.00	0.15	0.167	0					0.46
16.500	0.00	0.15	0.166	0					0.46
16.583	0.00	0.15	0.165	0					0.46
16.667	0.00	0.15	0.164	0					0.46
16.750	0.00	0.14	0.163	0					0.45
16.833	0.00	0.14	0.162	0					0.45
16.917	0.00	0.14	0.161	0					0.45
17.000	0.00	0.14	0.160	0					0.44
17.083	0.00	0.14	0.159	0					0.44
17.167	0.00	0.14	0.158	0					0.44
17.250	0.00	0.14	0.157	0					0.44
17.333	0.00	0.14	0.156	0					0.43
17.417	0.00	0.14	0.155	0					0.43
17.500	0.00	0.14	0.154	0					0.43
17.583	0.00	0.14	0.153	0					0.43
17.667	0.00	0.14	0.152	0					0.42
17.750	0.00	0.13	0.151	0					0.42
17.833	0.00	0.13	0.150	0					0.42
17.917	0.00	0.13	0.150	0					0.42
18.000	0.00	0.13	0.149	0					0.41
18.083	0.00	0.13	0.148	0					0.41

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

18.167	0.00	0.13	0.147	0					0.41
18.250	0.00	0.13	0.146	0					0.41
18.333	0.00	0.13	0.145	0					0.40
18.417	0.00	0.13	0.144	0					0.40
18.500	0.00	0.13	0.143	0					0.40
18.583	0.00	0.13	0.142	0					0.40
18.667	0.00	0.13	0.142	0					0.39
18.750	0.00	0.13	0.141	0					0.39
18.833	0.00	0.12	0.140	0					0.39
18.917	0.00	0.12	0.139	0					0.39
19.000	0.00	0.12	0.138	0					0.38
19.083	0.00	0.12	0.137	0					0.38
19.167	0.00	0.12	0.136	0					0.38
19.250	0.00	0.12	0.136	0					0.38
19.333	0.00	0.12	0.135	0					0.37
19.417	0.00	0.12	0.134	0					0.37
19.500	0.00	0.12	0.133	0					0.37
19.583	0.00	0.12	0.132	0					0.37
19.667	0.00	0.12	0.132	0					0.37
19.750	0.00	0.12	0.131	0					0.36
19.833	0.00	0.12	0.130	0					0.36
19.917	0.00	0.11	0.129	0					0.36
20.000	0.00	0.11	0.128	0					0.36
20.083	0.00	0.11	0.128	0					0.35
20.167	0.00	0.11	0.127	0					0.35
20.250	0.00	0.11	0.126	0					0.35
20.333	0.00	0.11	0.125	0					0.35
20.417	0.00	0.11	0.124	0					0.35
20.500	0.00	0.11	0.124	0					0.34
20.583	0.00	0.11	0.123	0					0.34
20.667	0.00	0.11	0.122	0					0.34
20.750	0.00	0.11	0.121	0					0.34
20.833	0.00	0.11	0.121	0					0.34
20.917	0.00	0.11	0.120	0					0.33
21.000	0.00	0.11	0.119	0					0.33
21.083	0.00	0.11	0.119	0					0.33
21.167	0.00	0.10	0.118	0					0.33
21.250	0.00	0.10	0.117	0					0.33
21.333	0.00	0.10	0.116	0					0.32
21.417	0.00	0.10	0.116	0					0.32
21.500	0.00	0.10	0.115	0					0.32
21.583	0.00	0.10	0.114	0					0.32
21.667	0.00	0.10	0.114	0					0.32
21.750	0.00	0.10	0.113	0					0.31
21.833	0.00	0.10	0.112	0					0.31
21.917	0.00	0.10	0.111	0					0.31
22.000	0.00	0.10	0.111	0					0.31
22.083	0.00	0.10	0.110	0					0.31
22.167	0.00	0.10	0.109	0					0.30
22.250	0.00	0.10	0.109	0					0.30
22.333	0.00	0.10	0.108	0					0.30
22.417	0.00	0.10	0.107	0					0.30
22.500	0.00	0.09	0.107	0					0.30
22.583	0.00	0.09	0.106	0					0.29
22.667	0.00	0.09	0.106	0					0.29
22.750	0.00	0.09	0.105	0					0.29
22.833	0.00	0.09	0.104	0					0.29
22.917	0.00	0.09	0.104	0					0.29
23.000	0.00	0.09	0.103	0					0.29
23.083	0.00	0.09	0.102	0					0.28
23.167	0.00	0.09	0.102	0					0.28
23.250	0.00	0.09	0.101	0					0.28
23.333	0.00	0.09	0.100	0					0.28
23.417	0.00	0.09	0.100	0					0.28
23.500	0.00	0.09	0.099	0					0.28
23.583	0.00	0.09	0.099	0					0.27
23.667	0.00	0.09	0.098	0					0.27
23.750	0.00	0.09	0.097	0					0.27
23.833	0.00	0.09	0.097	0					0.27
23.917	0.00	0.09	0.096	0					0.27
24.000	0.00	0.09	0.096	0					0.27
24.083	0.00	0.08	0.095	0					0.26

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

24.167	0.00	0.08	0.095	0					0.26
24.250	0.00	0.08	0.094	0					0.26
24.333	0.00	0.08	0.093	0					0.26
24.417	0.00	0.08	0.093	0					0.26
24.500	0.00	0.08	0.092	0					0.26
24.583	0.00	0.08	0.092	0					0.25
24.667	0.00	0.08	0.091	0					0.25
24.750	0.00	0.08	0.091	0					0.25
24.833	0.00	0.08	0.090	0					0.25
24.917	0.00	0.08	0.089	0					0.25
25.000	0.00	0.08	0.089	0					0.25
25.083	0.00	0.08	0.088	0					0.25
25.167	0.00	0.08	0.088	0					0.24
25.250	0.00	0.08	0.087	0					0.24
25.333	0.00	0.08	0.087	0					0.24
25.417	0.00	0.08	0.086	0					0.24
25.500	0.00	0.08	0.086	0					0.24
25.583	0.00	0.08	0.085	0					0.24
25.667	0.00	0.08	0.085	0					0.24
25.750	0.00	0.07	0.084	0					0.23
25.833	0.00	0.07	0.084	0					0.23
25.917	0.00	0.07	0.083	0					0.23
26.000	0.00	0.07	0.083	0					0.23
26.083	0.00	0.07	0.082	0					0.23
26.167	0.00	0.07	0.082	0					0.23
26.250	0.00	0.07	0.081	0					0.23
26.333	0.00	0.07	0.081	0					0.22
26.417	0.00	0.07	0.080	0					0.22
26.500	0.00	0.07	0.080	0					0.22
26.583	0.00	0.07	0.079	0					0.22
26.667	0.00	0.07	0.079	0					0.22
26.750	0.00	0.07	0.078	0					0.22
26.833	0.00	0.07	0.078	0					0.22
26.917	0.00	0.07	0.077	0					0.21
27.000	0.00	0.07	0.077	0					0.21
27.083	0.00	0.07	0.076	0					0.21
27.167	0.00	0.07	0.076	0					0.21
27.250	0.00	0.07	0.075	0					0.21
27.333	0.00	0.07	0.075	0					0.21
27.417	0.00	0.07	0.074	0					0.21
27.500	0.00	0.07	0.074	0					0.21
27.583	0.00	0.07	0.074	0					0.20
27.667	0.00	0.06	0.073	0					0.20
27.750	0.00	0.06	0.073	0					0.20
27.833	0.00	0.06	0.072	0					0.20
27.917	0.00	0.06	0.072	0					0.20
28.000	0.00	0.06	0.071	0					0.20
28.083	0.00	0.06	0.071	0					0.20
28.167	0.00	0.06	0.070	0					0.20
28.250	0.00	0.06	0.070	0					0.19
28.333	0.00	0.06	0.070	0					0.19
28.417	0.00	0.06	0.069	0					0.19
28.500	0.00	0.06	0.069	0					0.19
28.583	0.00	0.06	0.068	0					0.19
28.667	0.00	0.06	0.068	0					0.19
28.750	0.00	0.06	0.067	0					0.19
28.833	0.00	0.06	0.067	0					0.19
28.917	0.00	0.06	0.067	0					0.19
29.000	0.00	0.06	0.066	0					0.18
29.083	0.00	0.06	0.066	0					0.18
29.167	0.00	0.06	0.065	0					0.18
29.250	0.00	0.06	0.065	0					0.18
29.333	0.00	0.06	0.065	0					0.18
29.417	0.00	0.06	0.064	0					0.18
29.500	0.00	0.06	0.064	0					0.18
29.583	0.00	0.06	0.063	0					0.18
29.667	0.00	0.06	0.063	0					0.18
29.750	0.00	0.06	0.063	0					0.17
29.833	0.00	0.06	0.062	0					0.17
29.917	0.00	0.06	0.062	0					0.17
30.000	0.00	0.05	0.062	0					0.17
30.083	0.00	0.05	0.061	0					0.17

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

30.167	0.00	0.05	0.061	0					0.17
30.250	0.00	0.05	0.060	0					0.17
30.333	0.00	0.05	0.060	0					0.17
30.417	0.00	0.05	0.060	0					0.17
30.500	0.00	0.05	0.059	0					0.16
30.583	0.00	0.05	0.059	0					0.16
30.667	0.00	0.05	0.059	0					0.16
30.750	0.00	0.05	0.058	0					0.16
30.833	0.00	0.05	0.058	0					0.16
30.917	0.00	0.05	0.058	0					0.16
31.000	0.00	0.05	0.057	0					0.16
31.083	0.00	0.05	0.057	0					0.16
31.167	0.00	0.05	0.057	0					0.16
31.250	0.00	0.05	0.056	0					0.16
31.333	0.00	0.05	0.056	0					0.16
31.417	0.00	0.05	0.055	0					0.15
31.500	0.00	0.05	0.055	0					0.15
31.583	0.00	0.05	0.055	0					0.15
31.667	0.00	0.05	0.054	0					0.15
31.750	0.00	0.05	0.054	0					0.15
31.833	0.00	0.05	0.054	0					0.15
31.917	0.00	0.05	0.053	0					0.15
32.000	0.00	0.05	0.053	0					0.15
32.083	0.00	0.05	0.053	0					0.15
32.167	0.00	0.05	0.053	0					0.15
32.250	0.00	0.05	0.052	0					0.14
32.333	0.00	0.05	0.052	0					0.14
32.417	0.00	0.05	0.052	0					0.14
32.500	0.00	0.05	0.051	0					0.14
32.583	0.00	0.05	0.051	0					0.14
32.667	0.00	0.04	0.051	0					0.14
32.750	0.00	0.04	0.050	0					0.14
32.833	0.00	0.04	0.050	0					0.14
32.917	0.00	0.04	0.050	0					0.14
33.000	0.00	0.04	0.049	0					0.14
33.083	0.00	0.04	0.049	0					0.14
33.167	0.00	0.04	0.049	0					0.14
33.250	0.00	0.04	0.048	0					0.13
33.333	0.00	0.04	0.048	0					0.13
33.417	0.00	0.04	0.048	0					0.13
33.500	0.00	0.04	0.048	0					0.13
33.583	0.00	0.04	0.047	0					0.13
33.667	0.00	0.04	0.047	0					0.13
33.750	0.00	0.04	0.047	0					0.13
33.833	0.00	0.04	0.046	0					0.13
33.917	0.00	0.04	0.046	0					0.13
34.000	0.00	0.04	0.046	0					0.13
34.083	0.00	0.04	0.046	0					0.13
34.167	0.00	0.04	0.045	0					0.13
34.250	0.00	0.04	0.045	0					0.13
34.333	0.00	0.04	0.045	0					0.12
34.417	0.00	0.04	0.045	0					0.12
34.500	0.00	0.04	0.044	0					0.12
34.583	0.00	0.04	0.044	0					0.12
34.667	0.00	0.04	0.044	0					0.12
34.750	0.00	0.04	0.043	0					0.12
34.833	0.00	0.04	0.043	0					0.12
34.917	0.00	0.04	0.043	0					0.12
35.000	0.00	0.04	0.043	0					0.12
35.083	0.00	0.04	0.042	0					0.12
35.167	0.00	0.04	0.042	0					0.12
35.250	0.00	0.04	0.042	0					0.12
35.333	0.00	0.04	0.042	0					0.12
35.417	0.00	0.04	0.041	0					0.11
35.500	0.00	0.04	0.041	0					0.11
35.583	0.00	0.04	0.041	0					0.11
35.667	0.00	0.04	0.041	0					0.11
35.750	0.00	0.04	0.040	0					0.11
35.833	0.00	0.04	0.040	0					0.11
35.917	0.00	0.04	0.040	0					0.11
36.000	0.00	0.04	0.040	0					0.11
36.083	0.00	0.04	0.039	0					0.11

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

36.167	0.00	0.03	0.039	0					0.11
36.250	0.00	0.03	0.039	0					0.11
36.333	0.00	0.03	0.039	0					0.11
36.417	0.00	0.03	0.038	0					0.11
36.500	0.00	0.03	0.038	0					0.11
36.583	0.00	0.03	0.038	0					0.11
36.667	0.00	0.03	0.038	0					0.10
36.750	0.00	0.03	0.037	0					0.10
36.833	0.00	0.03	0.037	0					0.10
36.917	0.00	0.03	0.037	0					0.10
37.000	0.00	0.03	0.037	0					0.10
37.083	0.00	0.03	0.037	0					0.10
37.167	0.00	0.03	0.036	0					0.10
37.250	0.00	0.03	0.036	0					0.10
37.333	0.00	0.03	0.036	0					0.10
37.417	0.00	0.03	0.036	0					0.10
37.500	0.00	0.03	0.035	0					0.10
37.583	0.00	0.03	0.035	0					0.10
37.667	0.00	0.03	0.035	0					0.10
37.750	0.00	0.03	0.035	0					0.10
37.833	0.00	0.03	0.035	0					0.10
37.917	0.00	0.03	0.034	0					0.10
38.000	0.00	0.03	0.034	0					0.10
38.083	0.00	0.03	0.034	0					0.09
38.167	0.00	0.03	0.034	0					0.09
38.250	0.00	0.03	0.034	0					0.09
38.333	0.00	0.03	0.033	0					0.09
38.417	0.00	0.03	0.033	0					0.09
38.500	0.00	0.03	0.033	0					0.09
38.583	0.00	0.03	0.033	0					0.09
38.667	0.00	0.03	0.033	0					0.09
38.750	0.00	0.03	0.032	0					0.09
38.833	0.00	0.03	0.032	0					0.09
38.917	0.00	0.03	0.032	0					0.09
39.000	0.00	0.03	0.032	0					0.09
39.083	0.00	0.03	0.032	0					0.09
39.167	0.00	0.03	0.031	0					0.09
39.250	0.00	0.03	0.031	0					0.09
39.333	0.00	0.03	0.031	0					0.09
39.417	0.00	0.03	0.031	0					0.09
39.500	0.00	0.03	0.031	0					0.09
39.583	0.00	0.03	0.030	0					0.08
39.667	0.00	0.03	0.030	0					0.08
39.750	0.00	0.03	0.030	0					0.08
39.833	0.00	0.03	0.030	0					0.08
39.917	0.00	0.03	0.030	0					0.08
40.000	0.00	0.03	0.030	0					0.08
40.083	0.00	0.03	0.029	0					0.08
40.167	0.00	0.03	0.029	0					0.08
40.250	0.00	0.03	0.029	0					0.08
40.333	0.00	0.03	0.029	0					0.08
40.417	0.00	0.03	0.029	0					0.08
40.500	0.00	0.03	0.028	0					0.08
40.583	0.00	0.03	0.028	0					0.08
40.667	0.00	0.02	0.028	0					0.08
40.750	0.00	0.02	0.028	0					0.08
40.833	0.00	0.02	0.028	0					0.08
40.917	0.00	0.02	0.028	0					0.08
41.000	0.00	0.02	0.027	0					0.08
41.083	0.00	0.02	0.027	0					0.08
41.167	0.00	0.02	0.027	0					0.08
41.250	0.00	0.02	0.027	0					0.07
41.333	0.00	0.02	0.027	0					0.07
41.417	0.00	0.02	0.027	0					0.07
41.500	0.00	0.02	0.026	0					0.07
41.583	0.00	0.02	0.026	0					0.07
41.667	0.00	0.02	0.026	0					0.07
41.750	0.00	0.02	0.026	0					0.07
41.833	0.00	0.02	0.026	0					0.07
41.917	0.00	0.02	0.026	0					0.07
42.000	0.00	0.02	0.025	0					0.07
42.083	0.00	0.02	0.025	0					0.07

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

42.167	0.00	0.02	0.025	0					0.07
42.250	0.00	0.02	0.025	0					0.07
42.333	0.00	0.02	0.025	0					0.07
42.417	0.00	0.02	0.025	0					0.07
42.500	0.00	0.02	0.025	0					0.07
42.583	0.00	0.02	0.024	0					0.07
42.667	0.00	0.02	0.024	0					0.07
42.750	0.00	0.02	0.024	0					0.07
42.833	0.00	0.02	0.024	0					0.07
42.917	0.00	0.02	0.024	0					0.07
43.000	0.00	0.02	0.024	0					0.07
43.083	0.00	0.02	0.024	0					0.07
43.167	0.00	0.02	0.023	0					0.07
43.250	0.00	0.02	0.023	0					0.06
43.333	0.00	0.02	0.023	0					0.06
43.417	0.00	0.02	0.023	0					0.06
43.500	0.00	0.02	0.023	0					0.06
43.583	0.00	0.02	0.023	0					0.06
43.667	0.00	0.02	0.023	0					0.06
43.750	0.00	0.02	0.022	0					0.06
43.833	0.00	0.02	0.022	0					0.06
43.917	0.00	0.02	0.022	0					0.06
44.000	0.00	0.02	0.022	0					0.06
44.083	0.00	0.02	0.022	0					0.06
44.167	0.00	0.02	0.022	0					0.06
44.250	0.00	0.02	0.022	0					0.06
44.333	0.00	0.02	0.021	0					0.06
44.417	0.00	0.02	0.021	0					0.06
44.500	0.00	0.02	0.021	0					0.06
44.583	0.00	0.02	0.021	0					0.06
44.667	0.00	0.02	0.021	0					0.06
44.750	0.00	0.02	0.021	0					0.06
44.833	0.00	0.02	0.021	0					0.06
44.917	0.00	0.02	0.021	0					0.06
45.000	0.00	0.02	0.020	0					0.06
45.083	0.00	0.02	0.020	0					0.06
45.167	0.00	0.02	0.020	0					0.06
45.250	0.00	0.02	0.020	0					0.06
45.333	0.00	0.02	0.020	0					0.06
45.417	0.00	0.02	0.020	0					0.06
45.500	0.00	0.02	0.020	0					0.05
45.583	0.00	0.02	0.020	0					0.05
45.667	0.00	0.02	0.019	0					0.05
45.750	0.00	0.02	0.019	0					0.05
45.833	0.00	0.02	0.019	0					0.05
45.917	0.00	0.02	0.019	0					0.05
46.000	0.00	0.02	0.019	0					0.05
46.083	0.00	0.02	0.019	0					0.05
46.167	0.00	0.02	0.019	0					0.05
46.250	0.00	0.02	0.019	0					0.05
46.333	0.00	0.02	0.019	0					0.05
46.417	0.00	0.02	0.018	0					0.05
46.500	0.00	0.02	0.018	0					0.05
46.583	0.00	0.02	0.018	0					0.05
46.667	0.00	0.02	0.018	0					0.05
46.750	0.00	0.02	0.018	0					0.05
46.833	0.00	0.02	0.018	0					0.05
46.917	0.00	0.02	0.018	0					0.05
47.000	0.00	0.02	0.018	0					0.05
47.083	0.00	0.02	0.018	0					0.05
47.167	0.00	0.02	0.017	0					0.05
47.250	0.00	0.02	0.017	0					0.05
47.333	0.00	0.02	0.017	0					0.05
47.417	0.00	0.02	0.017	0					0.05
47.500	0.00	0.02	0.017	0					0.05
47.583	0.00	0.02	0.017	0					0.05
47.667	0.00	0.01	0.017	0					0.05
47.750	0.00	0.01	0.017	0					0.05
47.833	0.00	0.01	0.017	0					0.05
47.917	0.00	0.01	0.017	0					0.05
48.000	0.00	0.01	0.016	0					0.05
48.083	0.00	0.01	0.016	0					0.05

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

48.167	0.00	0.01	0.016	0					0.05
48.250	0.00	0.01	0.016	0					0.04
48.333	0.00	0.01	0.016	0					0.04
48.417	0.00	0.01	0.016	0					0.04
48.500	0.00	0.01	0.016	0					0.04
48.583	0.00	0.01	0.016	0					0.04
48.667	0.00	0.01	0.016	0					0.04
48.750	0.00	0.01	0.016	0					0.04
48.833	0.00	0.01	0.015	0					0.04
48.917	0.00	0.01	0.015	0					0.04
49.000	0.00	0.01	0.015	0					0.04
49.083	0.00	0.01	0.015	0					0.04
49.167	0.00	0.01	0.015	0					0.04
49.250	0.00	0.01	0.015	0					0.04
49.333	0.00	0.01	0.015	0					0.04
49.417	0.00	0.01	0.015	0					0.04
49.500	0.00	0.01	0.015	0					0.04
49.583	0.00	0.01	0.015	0					0.04
49.667	0.00	0.01	0.015	0					0.04
49.750	0.00	0.01	0.014	0					0.04
49.833	0.00	0.01	0.014	0					0.04
49.917	0.00	0.01	0.014	0					0.04
50.000	0.00	0.01	0.014	0					0.04
50.083	0.00	0.01	0.014	0					0.04
50.167	0.00	0.01	0.014	0					0.04
50.250	0.00	0.01	0.014	0					0.04
50.333	0.00	0.01	0.014	0					0.04
50.417	0.00	0.01	0.014	0					0.04
50.500	0.00	0.01	0.014	0					0.04
50.583	0.00	0.01	0.014	0					0.04
50.667	0.00	0.01	0.013	0					0.04
50.750	0.00	0.01	0.013	0					0.04
50.833	0.00	0.01	0.013	0					0.04
50.917	0.00	0.01	0.013	0					0.04
51.000	0.00	0.01	0.013	0					0.04
51.083	0.00	0.01	0.013	0					0.04
51.167	0.00	0.01	0.013	0					0.04
51.250	0.00	0.01	0.013	0					0.04
51.333	0.00	0.01	0.013	0					0.04
51.417	0.00	0.01	0.013	0					0.04
51.500	0.00	0.01	0.013	0					0.04
51.583	0.00	0.01	0.013	0					0.04
51.667	0.00	0.01	0.013	0					0.03
51.750	0.00	0.01	0.012	0					0.03
51.833	0.00	0.01	0.012	0					0.03
51.917	0.00	0.01	0.012	0					0.03
52.000	0.00	0.01	0.012	0					0.03
52.083	0.00	0.01	0.012	0					0.03
52.167	0.00	0.01	0.012	0					0.03
52.250	0.00	0.01	0.012	0					0.03
52.333	0.00	0.01	0.012	0					0.03
52.417	0.00	0.01	0.012	0					0.03
52.500	0.00	0.01	0.012	0					0.03
52.583	0.00	0.01	0.012	0					0.03
52.667	0.00	0.01	0.012	0					0.03
52.750	0.00	0.01	0.012	0					0.03
52.833	0.00	0.01	0.012	0					0.03
52.917	0.00	0.01	0.011	0					0.03
53.000	0.00	0.01	0.011	0					0.03
53.083	0.00	0.01	0.011	0					0.03
53.167	0.00	0.01	0.011	0					0.03
53.250	0.00	0.01	0.011	0					0.03
53.333	0.00	0.01	0.011	0					0.03
53.417	0.00	0.01	0.011	0					0.03
53.500	0.00	0.01	0.011	0					0.03
53.583	0.00	0.01	0.011	0					0.03
53.667	0.00	0.01	0.011	0					0.03
53.750	0.00	0.01	0.011	0					0.03
53.833	0.00	0.01	0.011	0					0.03
53.917	0.00	0.01	0.011	0					0.03
54.000	0.00	0.01	0.011	0					0.03
54.083	0.00	0.01	0.010	0					0.03

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

54.167	0.00	0.01	0.010	0					0.03
54.250	0.00	0.01	0.010	0					0.03
54.333	0.00	0.01	0.010	0					0.03
54.417	0.00	0.01	0.010	0					0.03
54.500	0.00	0.01	0.010	0					0.03
54.583	0.00	0.01	0.010	0					0.03
54.667	0.00	0.01	0.010	0					0.03
54.750	0.00	0.01	0.010	0					0.03
54.833	0.00	0.01	0.010	0					0.03
54.917	0.00	0.01	0.010	0					0.03
55.000	0.00	0.01	0.010	0					0.03
55.083	0.00	0.01	0.010	0					0.03
55.167	0.00	0.01	0.010	0					0.03
55.250	0.00	0.01	0.010	0					0.03
55.333	0.00	0.01	0.010	0					0.03
55.417	0.00	0.01	0.010	0					0.03
55.500	0.00	0.01	0.009	0					0.03
55.583	0.00	0.01	0.009	0					0.03
55.667	0.00	0.01	0.009	0					0.03
55.750	0.00	0.01	0.009	0					0.03
55.833	0.00	0.01	0.009	0					0.03
55.917	0.00	0.01	0.009	0					0.03
56.000	0.00	0.01	0.009	0					0.03
56.083	0.00	0.01	0.009	0					0.03
56.167	0.00	0.01	0.009	0					0.03
56.250	0.00	0.01	0.009	0					0.02
56.333	0.00	0.01	0.009	0					0.02
56.417	0.00	0.01	0.009	0					0.02
56.500	0.00	0.01	0.009	0					0.02
56.583	0.00	0.01	0.009	0					0.02
56.667	0.00	0.01	0.009	0					0.02
56.750	0.00	0.01	0.009	0					0.02
56.833	0.00	0.01	0.009	0					0.02
56.917	0.00	0.01	0.009	0					0.02
57.000	0.00	0.01	0.008	0					0.02
57.083	0.00	0.01	0.008	0					0.02
57.167	0.00	0.01	0.008	0					0.02
57.250	0.00	0.01	0.008	0					0.02
57.333	0.00	0.01	0.008	0					0.02
57.417	0.00	0.01	0.008	0					0.02
57.500	0.00	0.01	0.008	0					0.02
57.583	0.00	0.01	0.008	0					0.02
57.667	0.00	0.01	0.008	0					0.02
57.750	0.00	0.01	0.008	0					0.02
57.833	0.00	0.01	0.008	0					0.02
57.917	0.00	0.01	0.008	0					0.02
58.000	0.00	0.01	0.008	0					0.02
58.083	0.00	0.01	0.008	0					0.02
58.167	0.00	0.01	0.008	0					0.02
58.250	0.00	0.01	0.008	0					0.02
58.333	0.00	0.01	0.008	0					0.02
58.417	0.00	0.01	0.008	0					0.02
58.500	0.00	0.01	0.008	0					0.02
58.583	0.00	0.01	0.008	0					0.02
58.667	0.00	0.01	0.007	0					0.02
58.750	0.00	0.01	0.007	0					0.02
58.833	0.00	0.01	0.007	0					0.02
58.917	0.00	0.01	0.007	0					0.02
59.000	0.00	0.01	0.007	0					0.02
59.083	0.00	0.01	0.007	0					0.02
59.167	0.00	0.01	0.007	0					0.02
59.250	0.00	0.01	0.007	0					0.02
59.333	0.00	0.01	0.007	0					0.02
59.417	0.00	0.01	0.007	0					0.02
59.500	0.00	0.01	0.007	0					0.02
59.583	0.00	0.01	0.007	0					0.02
59.667	0.00	0.01	0.007	0					0.02
59.750	0.00	0.01	0.007	0					0.02
59.833	0.00	0.01	0.007	0					0.02
59.917	0.00	0.01	0.007	0					0.02
60.000	0.00	0.01	0.007	0					0.02
60.083	0.00	0.01	0.007	0					0.02

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

60.167	0.00	0.01	0.007	0					0.02
60.250	0.00	0.01	0.007	0					0.02
60.333	0.00	0.01	0.007	0					0.02
60.417	0.00	0.01	0.007	0					0.02
60.500	0.00	0.01	0.007	0					0.02
60.583	0.00	0.01	0.007	0					0.02
60.667	0.00	0.01	0.006	0					0.02
60.750	0.00	0.01	0.006	0					0.02
60.833	0.00	0.01	0.006	0					0.02
60.917	0.00	0.01	0.006	0					0.02
61.000	0.00	0.01	0.006	0					0.02
61.083	0.00	0.01	0.006	0					0.02
61.167	0.00	0.01	0.006	0					0.02
61.250	0.00	0.01	0.006	0					0.02
61.333	0.00	0.01	0.006	0					0.02
61.417	0.00	0.01	0.006	0					0.02
61.500	0.00	0.01	0.006	0					0.02
61.583	0.00	0.01	0.006	0					0.02
61.667	0.00	0.01	0.006	0					0.02
61.750	0.00	0.01	0.006	0					0.02
61.833	0.00	0.01	0.006	0					0.02
61.917	0.00	0.01	0.006	0					0.02
62.000	0.00	0.01	0.006	0					0.02
62.083	0.00	0.01	0.006	0					0.02
62.167	0.00	0.01	0.006	0					0.02
62.250	0.00	0.01	0.006	0					0.02
62.333	0.00	0.01	0.006	0					0.02
62.417	0.00	0.01	0.006	0					0.02
62.500	0.00	0.01	0.006	0					0.02
62.583	0.00	0.00	0.006	0					0.02
62.667	0.00	0.00	0.006	0					0.02
62.750	0.00	0.00	0.006	0					0.02
62.833	0.00	0.00	0.006	0					0.02
62.917	0.00	0.00	0.005	0					0.02
63.000	0.00	0.00	0.005	0					0.02
63.083	0.00	0.00	0.005	0					0.02
63.167	0.00	0.00	0.005	0					0.01
63.250	0.00	0.00	0.005	0					0.01
63.333	0.00	0.00	0.005	0					0.01
63.417	0.00	0.00	0.005	0					0.01
63.500	0.00	0.00	0.005	0					0.01
63.583	0.00	0.00	0.005	0					0.01
63.667	0.00	0.00	0.005	0					0.01
63.750	0.00	0.00	0.005	0					0.01
63.833	0.00	0.00	0.005	0					0.01
63.917	0.00	0.00	0.005	0					0.01
64.000	0.00	0.00	0.005	0					0.01
64.083	0.00	0.00	0.005	0					0.01
64.167	0.00	0.00	0.005	0					0.01
64.250	0.00	0.00	0.005	0					0.01
64.333	0.00	0.00	0.005	0					0.01
64.417	0.00	0.00	0.005	0					0.01
64.500	0.00	0.00	0.005	0					0.01
64.583	0.00	0.00	0.005	0					0.01
64.667	0.00	0.00	0.005	0					0.01
64.750	0.00	0.00	0.005	0					0.01
64.833	0.00	0.00	0.005	0					0.01
64.917	0.00	0.00	0.005	0					0.01
65.000	0.00	0.00	0.005	0					0.01
65.083	0.00	0.00	0.005	0					0.01
65.167	0.00	0.00	0.005	0					0.01
65.250	0.00	0.00	0.005	0					0.01
65.333	0.00	0.00	0.005	0					0.01
65.417	0.00	0.00	0.005	0					0.01
65.500	0.00	0.00	0.005	0					0.01
65.583	0.00	0.00	0.005	0					0.01
65.667	0.00	0.00	0.004	0					0.01
65.750	0.00	0.00	0.004	0					0.01
65.833	0.00	0.00	0.004	0					0.01
65.917	0.00	0.00	0.004	0					0.01
66.000	0.00	0.00	0.004	0					0.01
66.083	0.00	0.00	0.004	0					0.01

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

66.167	0.00	0.00	0.004	0					0.01
66.250	0.00	0.00	0.004	0					0.01
66.333	0.00	0.00	0.004	0					0.01
66.417	0.00	0.00	0.004	0					0.01
66.500	0.00	0.00	0.004	0					0.01
66.583	0.00	0.00	0.004	0					0.01
66.667	0.00	0.00	0.004	0					0.01
66.750	0.00	0.00	0.004	0					0.01
66.833	0.00	0.00	0.004	0					0.01
66.917	0.00	0.00	0.004	0					0.01
67.000	0.00	0.00	0.004	0					0.01
67.083	0.00	0.00	0.004	0					0.01
67.167	0.00	0.00	0.004	0					0.01
67.250	0.00	0.00	0.004	0					0.01
67.333	0.00	0.00	0.004	0					0.01
67.417	0.00	0.00	0.004	0					0.01
67.500	0.00	0.00	0.004	0					0.01
67.583	0.00	0.00	0.004	0					0.01
67.667	0.00	0.00	0.004	0					0.01
67.750	0.00	0.00	0.004	0					0.01
67.833	0.00	0.00	0.004	0					0.01
67.917	0.00	0.00	0.004	0					0.01
68.000	0.00	0.00	0.004	0					0.01
68.083	0.00	0.00	0.004	0					0.01
68.167	0.00	0.00	0.004	0					0.01
68.250	0.00	0.00	0.004	0					0.01
68.333	0.00	0.00	0.004	0					0.01
68.417	0.00	0.00	0.004	0					0.01
68.500	0.00	0.00	0.004	0					0.01
68.583	0.00	0.00	0.004	0					0.01
68.667	0.00	0.00	0.004	0					0.01
68.750	0.00	0.00	0.004	0					0.01
68.833	0.00	0.00	0.004	0					0.01
68.917	0.00	0.00	0.004	0					0.01
69.000	0.00	0.00	0.004	0					0.01
69.083	0.00	0.00	0.003	0					0.01
69.167	0.00	0.00	0.003	0					0.01
69.250	0.00	0.00	0.003	0					0.01
69.333	0.00	0.00	0.003	0					0.01
69.417	0.00	0.00	0.003	0					0.01
69.500	0.00	0.00	0.003	0					0.01
69.583	0.00	0.00	0.003	0					0.01
69.667	0.00	0.00	0.003	0					0.01
69.750	0.00	0.00	0.003	0					0.01
69.833	0.00	0.00	0.003	0					0.01
69.917	0.00	0.00	0.003	0					0.01
70.000	0.00	0.00	0.003	0					0.01
70.083	0.00	0.00	0.003	0					0.01
70.167	0.00	0.00	0.003	0					0.01
70.250	0.00	0.00	0.003	0					0.01
70.333	0.00	0.00	0.003	0					0.01
70.417	0.00	0.00	0.003	0					0.01
70.500	0.00	0.00	0.003	0					0.01
70.583	0.00	0.00	0.003	0					0.01
70.667	0.00	0.00	0.003	0					0.01
70.750	0.00	0.00	0.003	0					0.01
70.833	0.00	0.00	0.003	0					0.01
70.917	0.00	0.00	0.003	0					0.01
71.000	0.00	0.00	0.003	0					0.01
71.083	0.00	0.00	0.003	0					0.01
71.167	0.00	0.00	0.003	0					0.01
71.250	0.00	0.00	0.003	0					0.01
71.333	0.00	0.00	0.003	0					0.01
71.417	0.00	0.00	0.003	0					0.01
71.500	0.00	0.00	0.003	0					0.01
71.583	0.00	0.00	0.003	0					0.01
71.667	0.00	0.00	0.003	0					0.01
71.750	0.00	0.00	0.003	0					0.01
71.833	0.00	0.00	0.003	0					0.01
71.917	0.00	0.00	0.003	0					0.01
72.000	0.00	0.00	0.003	0					0.01
72.083	0.00	0.00	0.003	0					0.01

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

72.167	0.00	0.00	0.003	0					0.01
72.250	0.00	0.00	0.003	0					0.01
72.333	0.00	0.00	0.003	0					0.01
72.417	0.00	0.00	0.003	0					0.01
72.500	0.00	0.00	0.003	0					0.01
72.583	0.00	0.00	0.003	0					0.01
72.667	0.00	0.00	0.003	0					0.01
72.750	0.00	0.00	0.003	0					0.01
72.833	0.00	0.00	0.003	0					0.01
72.917	0.00	0.00	0.003	0					0.01
73.000	0.00	0.00	0.003	0					0.01
73.083	0.00	0.00	0.003	0					0.01
73.167	0.00	0.00	0.003	0					0.01
73.250	0.00	0.00	0.003	0					0.01
73.333	0.00	0.00	0.003	0					0.01
73.417	0.00	0.00	0.003	0					0.01
73.500	0.00	0.00	0.003	0					0.01
73.583	0.00	0.00	0.003	0					0.01
73.667	0.00	0.00	0.002	0					0.01
73.750	0.00	0.00	0.002	0					0.01
73.833	0.00	0.00	0.002	0					0.01
73.917	0.00	0.00	0.002	0					0.01
74.000	0.00	0.00	0.002	0					0.01
74.083	0.00	0.00	0.002	0					0.01
74.167	0.00	0.00	0.002	0					0.01
74.250	0.00	0.00	0.002	0					0.01
74.333	0.00	0.00	0.002	0					0.01
74.417	0.00	0.00	0.002	0					0.01
74.500	0.00	0.00	0.002	0					0.01
74.583	0.00	0.00	0.002	0					0.01
74.667	0.00	0.00	0.002	0					0.01
74.750	0.00	0.00	0.002	0					0.01
74.833	0.00	0.00	0.002	0					0.01
74.917	0.00	0.00	0.002	0					0.01
75.000	0.00	0.00	0.002	0					0.01
75.083	0.00	0.00	0.002	0					0.01
75.167	0.00	0.00	0.002	0					0.01
75.250	0.00	0.00	0.002	0					0.01
75.333	0.00	0.00	0.002	0					0.01
75.417	0.00	0.00	0.002	0					0.01
75.500	0.00	0.00	0.002	0					0.01
75.583	0.00	0.00	0.002	0					0.01
75.667	0.00	0.00	0.002	0					0.01
75.750	0.00	0.00	0.002	0					0.01
75.833	0.00	0.00	0.002	0					0.01
75.917	0.00	0.00	0.002	0					0.01
76.000	0.00	0.00	0.002	0					0.01
76.083	0.00	0.00	0.002	0					0.01
76.167	0.00	0.00	0.002	0					0.01
76.250	0.00	0.00	0.002	0					0.01
76.333	0.00	0.00	0.002	0					0.01
76.417	0.00	0.00	0.002	0					0.01
76.500	0.00	0.00	0.002	0					0.01
76.583	0.00	0.00	0.002	0					0.01
76.667	0.00	0.00	0.002	0					0.01
76.750	0.00	0.00	0.002	0					0.01
76.833	0.00	0.00	0.002	0					0.01
76.917	0.00	0.00	0.002	0					0.01
77.000	0.00	0.00	0.002	0					0.01
77.083	0.00	0.00	0.002	0					0.01
77.167	0.00	0.00	0.002	0					0.01
77.250	0.00	0.00	0.002	0					0.01
77.333	0.00	0.00	0.002	0					0.01
77.417	0.00	0.00	0.002	0					0.01
77.500	0.00	0.00	0.002	0					0.01
77.583	0.00	0.00	0.002	0					0.01
77.667	0.00	0.00	0.002	0					0.01
77.750	0.00	0.00	0.002	0					0.01
77.833	0.00	0.00	0.002	0					0.01
77.917	0.00	0.00	0.002	0					0.01
78.000	0.00	0.00	0.002	0					0.01
78.083	0.00	0.00	0.002	0					0.01

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

78.167	0.00	0.00	0.002	0					0.00
78.250	0.00	0.00	0.002	0					0.00
78.333	0.00	0.00	0.002	0					0.00
78.417	0.00	0.00	0.002	0					0.00
78.500	0.00	0.00	0.002	0					0.00
78.583	0.00	0.00	0.002	0					0.00
78.667	0.00	0.00	0.002	0					0.00
78.750	0.00	0.00	0.002	0					0.00
78.833	0.00	0.00	0.002	0					0.00
78.917	0.00	0.00	0.002	0					0.00
79.000	0.00	0.00	0.002	0					0.00
79.083	0.00	0.00	0.002	0					0.00
79.167	0.00	0.00	0.002	0					0.00
79.250	0.00	0.00	0.002	0					0.00
79.333	0.00	0.00	0.002	0					0.00
79.417	0.00	0.00	0.002	0					0.00
79.500	0.00	0.00	0.002	0					0.00
79.583	0.00	0.00	0.002	0					0.00
79.667	0.00	0.00	0.002	0					0.00
79.750	0.00	0.00	0.002	0					0.00
79.833	0.00	0.00	0.002	0					0.00
79.917	0.00	0.00	0.002	0					0.00
80.000	0.00	0.00	0.002	0					0.00
80.083	0.00	0.00	0.002	0					0.00
80.167	0.00	0.00	0.002	0					0.00
80.250	0.00	0.00	0.002	0					0.00
80.333	0.00	0.00	0.002	0					0.00
80.417	0.00	0.00	0.002	0					0.00
80.500	0.00	0.00	0.002	0					0.00
80.583	0.00	0.00	0.001	0					0.00
80.667	0.00	0.00	0.001	0					0.00
80.750	0.00	0.00	0.001	0					0.00
80.833	0.00	0.00	0.001	0					0.00
80.917	0.00	0.00	0.001	0					0.00
81.000	0.00	0.00	0.001	0					0.00
81.083	0.00	0.00	0.001	0					0.00
81.167	0.00	0.00	0.001	0					0.00
81.250	0.00	0.00	0.001	0					0.00
81.333	0.00	0.00	0.001	0					0.00
81.417	0.00	0.00	0.001	0					0.00
81.500	0.00	0.00	0.001	0					0.00
81.583	0.00	0.00	0.001	0					0.00
81.667	0.00	0.00	0.001	0					0.00
81.750	0.00	0.00	0.001	0					0.00
81.833	0.00	0.00	0.001	0					0.00
81.917	0.00	0.00	0.001	0					0.00
82.000	0.00	0.00	0.001	0					0.00
82.083	0.00	0.00	0.001	0					0.00
82.167	0.00	0.00	0.001	0					0.00
82.250	0.00	0.00	0.001	0					0.00
82.333	0.00	0.00	0.001	0					0.00
82.417	0.00	0.00	0.001	0					0.00
82.500	0.00	0.00	0.001	0					0.00
82.583	0.00	0.00	0.001	0					0.00
82.667	0.00	0.00	0.001	0					0.00
82.750	0.00	0.00	0.001	0					0.00
82.833	0.00	0.00	0.001	0					0.00
82.917	0.00	0.00	0.001	0					0.00
83.000	0.00	0.00	0.001	0					0.00
83.083	0.00	0.00	0.001	0					0.00
83.167	0.00	0.00	0.001	0					0.00
83.250	0.00	0.00	0.001	0					0.00
83.333	0.00	0.00	0.001	0					0.00
83.417	0.00	0.00	0.001	0					0.00
83.500	0.00	0.00	0.001	0					0.00
83.583	0.00	0.00	0.001	0					0.00
83.667	0.00	0.00	0.001	0					0.00
83.750	0.00	0.00	0.001	0					0.00
83.833	0.00	0.00	0.001	0					0.00
83.917	0.00	0.00	0.001	0					0.00
84.000	0.00	0.00	0.001	0					0.00
84.083	0.00	0.00	0.001	0					0.00

Glen Ivy Senior Living

ATTACHMENT D – Detention Basin Routing

84.167	0.00	0.00	0.001	0					0.00
84.250	0.00	0.00	0.001	0					0.00
84.333	0.00	0.00	0.001	0					0.00
84.417	0.00	0.00	0.001	0					0.00
84.500	0.00	0.00	0.001	0					0.00

Remaining water in basin = 0.00 (Ac.Ft)

```

*****HYDROGRAPH DATA*****
      Number of intervals = 1014
      Time interval = 5.0 (Min.)
      Maximum/Peak flow rate = 0.361 (CFS)
      Total volume = 0.510 (Ac.Ft)
      Status of hydrographs being held in storage
          Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
      Peak (CFS) 0.000 0.000 0.000 0.000 0.000
      Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000
*****

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Glen Ivy Senior Living

ATTACHMENT D – Detention Basin Routing

FLOOD HYDROGRAPH ROUTING PROGRAM
 Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2005
 Study date: 08/18/20

 Glen Ivy Senior Living
 Inflow Hydrograph Calculations
 Detention Basin A
 5-year 3-hour storm

Program License Serial Number 4029

 ***** HYDROGRAPH INFORMATION *****

From study/file name: sh5pr35.rte
 *****HYDROGRAPH DATA*****
 Number of intervals = 39
 Time interval = 5.0 (Min.)
 Maximum/Peak flow rate = 9.560 (CFS)
 Total volume = 0.824 (Ac.Ft)
 Status of hydrographs being held in storage
 Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
 Peak (CFS) 0.000 0.000 0.000 0.000 0.000
 Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
 Process from Point/Station 10.000 to Point/Station 11.000
 **** RETARDING BASIN ROUTING ****

 User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 39
 Hydrograph time unit = 5.000 (Min.)
 Initial depth in storage basin = 0.00 (Ft.)

Initial basin depth = 0.00 (Ft.)
 Initial basin storage = 0.00 (Ac.Ft)
 Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.360	0.320	0.359	0.361
2.000	0.810	0.460	0.808	0.812
3.000	1.310	0.680	1.308	1.312
4.000	1.860	0.880	1.857	1.863
5.000	2.470	6.320	2.448	2.492
6.000	3.140	16.140	3.084	3.196

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	Depth (Ft.)
0.083	0.68	0.00	0.002	0.01

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

0.167	1.33	0.01	0.009	O	I						0.03
0.250	1.36	0.02	0.018	O	I						0.05
0.333	1.52	0.03	0.028	O	I						0.08
0.417	1.70	0.03	0.039	O	I						0.11
0.500	1.89	0.05	0.051	O	I						0.14
0.583	1.90	0.06	0.064	O	I						0.18
0.667	1.94	0.07	0.077	O	I						0.21
0.750	2.07	0.08	0.090	O	I						0.25
0.833	1.93	0.09	0.103	O	I						0.29
0.917	1.85	0.10	0.116	O	I						0.32
1.000	1.97	0.11	0.128	O	I						0.36
1.083	2.28	0.13	0.142	O	I						0.39
1.167	2.50	0.14	0.157	O	I						0.44
1.250	2.55	0.15	0.174	O	I						0.48
1.333	2.47	0.17	0.190	O	I						0.53
1.417	2.68	0.18	0.206	O	I						0.57
1.500	3.01	0.20	0.225	O	I						0.62
1.583	2.96	0.22	0.244	O	I						0.68
1.667	3.00	0.23	0.263	O	I						0.73
1.750	3.44	0.25	0.283	O	I						0.79
1.833	3.65	0.27	0.306	O	I						0.85
1.917	3.52	0.29	0.329	O	I						0.91
2.000	3.48	0.31	0.351	O	I						0.97
2.083	3.55	0.32	0.373	O	I						1.03
2.167	4.18	0.33	0.397	O	I						1.08
2.250	5.22	0.34	0.427	O	I						1.15
2.333	4.95	0.35	0.460	O	I						1.22
2.417	6.27	0.36	0.496	O	I			I			1.30
2.500	8.38	0.38	0.544	O	I				I		1.41
2.583	9.56	0.40	0.603	O	I				I		1.54
2.667	8.88	0.41	0.664	O	I				I		1.68
2.750	5.41	0.43	0.710	O	I			I			1.78
2.833	2.97	0.44	0.736	O	I						1.84
2.917	2.33	0.44	0.751	O	I						1.87
3.000	1.49	0.44	0.761	O	I						1.89
3.083	0.56	0.45	0.765	O	I						1.90
3.167	0.14	0.45	0.765	O	I						1.90
3.250	0.03	0.45	0.762	O	I						1.89
3.333	0.00	0.44	0.759	O	I						1.89
3.417	0.00	0.44	0.756	O	I						1.88
3.500	0.00	0.44	0.753	O	I						1.87
3.583	0.00	0.44	0.750	O	I						1.87
3.667	0.00	0.44	0.747	O	I						1.86
3.750	0.00	0.44	0.744	O	I						1.85
3.833	0.00	0.44	0.741	O	I						1.85
3.917	0.00	0.44	0.738	O	I						1.84
4.000	0.00	0.44	0.735	O	I						1.83
4.083	0.00	0.44	0.732	O	I						1.83
4.167	0.00	0.43	0.729	O	I						1.82
4.250	0.00	0.43	0.726	O	I						1.81
4.333	0.00	0.43	0.723	O	I						1.81
4.417	0.00	0.43	0.720	O	I						1.80
4.500	0.00	0.43	0.717	O	I						1.79
4.583	0.00	0.43	0.714	O	I						1.79
4.667	0.00	0.43	0.711	O	I						1.78
4.750	0.00	0.43	0.708	O	I						1.77
4.833	0.00	0.43	0.705	O	I						1.77
4.917	0.00	0.43	0.702	O	I						1.76
5.000	0.00	0.43	0.699	O	I						1.75
5.083	0.00	0.42	0.696	O	I						1.75
5.167	0.00	0.42	0.693	O	I						1.74
5.250	0.00	0.42	0.691	O	I						1.73
5.333	0.00	0.42	0.688	O	I						1.73
5.417	0.00	0.42	0.685	O	I						1.72
5.500	0.00	0.42	0.682	O	I						1.72
5.583	0.00	0.42	0.679	O	I						1.71
5.667	0.00	0.42	0.676	O	I						1.70
5.750	0.00	0.42	0.673	O	I						1.70
5.833	0.00	0.42	0.670	O	I						1.69
5.917	0.00	0.42	0.667	O	I						1.68
6.000	0.00	0.41	0.665	O	I						1.68
6.083	0.00	0.41	0.662	O	I						1.67

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

6.167	0.00	0.41	0.659	IO					1.66
6.250	0.00	0.41	0.656	IO					1.66
6.333	0.00	0.41	0.653	IO					1.65
6.417	0.00	0.41	0.650	IO					1.65
6.500	0.00	0.41	0.648	IO					1.64
6.583	0.00	0.41	0.645	IO					1.63
6.667	0.00	0.41	0.642	IO					1.63
6.750	0.00	0.41	0.639	IO					1.62
6.833	0.00	0.41	0.636	IO					1.61
6.917	0.00	0.41	0.633	IO					1.61
7.000	0.00	0.40	0.631	IO					1.60
7.083	0.00	0.40	0.628	IO					1.60
7.167	0.00	0.40	0.625	IO					1.59
7.250	0.00	0.40	0.622	IO					1.58
7.333	0.00	0.40	0.620	IO					1.58
7.417	0.00	0.40	0.617	IO					1.57
7.500	0.00	0.40	0.614	IO					1.56
7.583	0.00	0.40	0.611	IO					1.56
7.667	0.00	0.40	0.609	IO					1.55
7.750	0.00	0.40	0.606	IO					1.55
7.833	0.00	0.40	0.603	IO					1.54
7.917	0.00	0.39	0.600	IO					1.53
8.000	0.00	0.39	0.598	IO					1.53
8.083	0.00	0.39	0.595	IO					1.52
8.167	0.00	0.39	0.592	IO					1.52
8.250	0.00	0.39	0.590	IO					1.51
8.333	0.00	0.39	0.587	IO					1.50
8.417	0.00	0.39	0.584	IO					1.50
8.500	0.00	0.39	0.582	IO					1.49
8.583	0.00	0.39	0.579	IO					1.49
8.667	0.00	0.39	0.576	IO					1.48
8.750	0.00	0.39	0.574	IO					1.47
8.833	0.00	0.39	0.571	IO					1.47
8.917	0.00	0.38	0.568	IO					1.46
9.000	0.00	0.38	0.566	IO					1.46
9.083	0.00	0.38	0.563	IO					1.45
9.167	0.00	0.38	0.560	IO					1.45
9.250	0.00	0.38	0.558	IO					1.44
9.333	0.00	0.38	0.555	IO					1.43
9.417	0.00	0.38	0.552	IO					1.43
9.500	0.00	0.38	0.550	IO					1.42
9.583	0.00	0.38	0.547	IO					1.42
9.667	0.00	0.38	0.545	IO					1.41
9.750	0.00	0.38	0.542	IO					1.40
9.833	0.00	0.38	0.539	IO					1.40
9.917	0.00	0.38	0.537	IO					1.39
10.000	0.00	0.37	0.534	IO					1.39
10.083	0.00	0.37	0.532	IO					1.38
10.167	0.00	0.37	0.529	IO					1.38
10.250	0.00	0.37	0.527	IO					1.37
10.333	0.00	0.37	0.524	IO					1.36
10.417	0.00	0.37	0.521	IO					1.36
10.500	0.00	0.37	0.519	IO					1.35
10.583	0.00	0.37	0.516	IO					1.35
10.667	0.00	0.37	0.514	IO					1.34
10.750	0.00	0.37	0.511	IO					1.34
10.833	0.00	0.37	0.509	IO					1.33
10.917	0.00	0.37	0.506	IO					1.32
11.000	0.00	0.36	0.504	IO					1.32
11.083	0.00	0.36	0.501	IO					1.31
11.167	0.00	0.36	0.499	IO					1.31
11.250	0.00	0.36	0.496	IO					1.30
11.333	0.00	0.36	0.494	IO					1.30
11.417	0.00	0.36	0.491	IO					1.29
11.500	0.00	0.36	0.489	IO					1.29
11.583	0.00	0.36	0.486	IO					1.28
11.667	0.00	0.36	0.484	IO					1.28
11.750	0.00	0.36	0.481	IO					1.27
11.833	0.00	0.36	0.479	IO					1.26
11.917	0.00	0.36	0.476	IO					1.26
12.000	0.00	0.36	0.474	IO					1.25
12.083	0.00	0.35	0.472	IO					1.25

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

12.167	0.00	0.35	0.469	IO					1.24
12.250	0.00	0.35	0.467	IO					1.24
12.333	0.00	0.35	0.464	IO					1.23
12.417	0.00	0.35	0.462	IO					1.23
12.500	0.00	0.35	0.459	IO					1.22
12.583	0.00	0.35	0.457	IO					1.22
12.667	0.00	0.35	0.455	IO					1.21
12.750	0.00	0.35	0.452	IO					1.20
12.833	0.00	0.35	0.450	IO					1.20
12.917	0.00	0.35	0.447	IO					1.19
13.000	0.00	0.35	0.445	IO					1.19
13.083	0.00	0.35	0.443	IO					1.18
13.167	0.00	0.34	0.440	IO					1.18
13.250	0.00	0.34	0.438	IO					1.17
13.333	0.00	0.34	0.435	IO					1.17
13.417	0.00	0.34	0.433	IO					1.16
13.500	0.00	0.34	0.431	IO					1.16
13.583	0.00	0.34	0.428	IO					1.15
13.667	0.00	0.34	0.426	IO					1.15
13.750	0.00	0.34	0.424	IO					1.14
13.833	0.00	0.34	0.421	IO					1.14
13.917	0.00	0.34	0.419	IO					1.13
14.000	0.00	0.34	0.417	IO					1.13
14.083	0.00	0.34	0.414	IO					1.12
14.167	0.00	0.34	0.412	IO					1.12
14.250	0.00	0.34	0.410	IO					1.11
14.333	0.00	0.33	0.407	IO					1.11
14.417	0.00	0.33	0.405	IO					1.10
14.500	0.00	0.33	0.403	IO					1.10
14.583	0.00	0.33	0.401	IO					1.09
14.667	0.00	0.33	0.398	IO					1.09
14.750	0.00	0.33	0.396	IO					1.08
14.833	0.00	0.33	0.394	IO					1.07
14.917	0.00	0.33	0.391	IO					1.07
15.000	0.00	0.33	0.389	IO					1.06
15.083	0.00	0.33	0.387	IO					1.06
15.167	0.00	0.33	0.385	IO					1.05
15.250	0.00	0.33	0.382	IO					1.05
15.333	0.00	0.33	0.380	IO					1.04
15.417	0.00	0.33	0.378	IO					1.04
15.500	0.00	0.32	0.376	IO					1.03
15.583	0.00	0.32	0.373	IO					1.03
15.667	0.00	0.32	0.371	IO					1.02
15.750	0.00	0.32	0.369	IO					1.02
15.833	0.00	0.32	0.367	IO					1.01
15.917	0.00	0.32	0.365	IO					1.01
16.000	0.00	0.32	0.362	IO					1.01
16.083	0.00	0.32	0.360	IO					1.00
16.167	0.00	0.32	0.358	IO					0.99
16.250	0.00	0.32	0.356	IO					0.99
16.333	0.00	0.31	0.354	IO					0.98
16.417	0.00	0.31	0.351	IO					0.98
16.500	0.00	0.31	0.349	IO					0.97
16.583	0.00	0.31	0.347	IO					0.96
16.667	0.00	0.31	0.345	IO					0.96
16.750	0.00	0.30	0.343	IO					0.95
16.833	0.00	0.30	0.341	IO					0.95
16.917	0.00	0.30	0.339	IO					0.94
17.000	0.00	0.30	0.337	IO					0.94
17.083	0.00	0.30	0.335	O					0.93
17.167	0.00	0.30	0.333	O					0.92
17.250	0.00	0.29	0.331	O					0.92
17.333	0.00	0.29	0.329	O					0.91
17.417	0.00	0.29	0.326	O					0.91
17.500	0.00	0.29	0.325	O					0.90
17.583	0.00	0.29	0.323	O					0.90
17.667	0.00	0.28	0.321	O					0.89
17.750	0.00	0.28	0.319	O					0.88
17.833	0.00	0.28	0.317	O					0.88
17.917	0.00	0.28	0.315	O					0.87
18.000	0.00	0.28	0.313	O					0.87
18.083	0.00	0.28	0.311	O					0.86

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

18.167	0.00	0.27	0.309	0					0.86
18.250	0.00	0.27	0.307	0					0.85
18.333	0.00	0.27	0.305	0					0.85
18.417	0.00	0.27	0.303	0					0.84
18.500	0.00	0.27	0.302	0					0.84
18.583	0.00	0.27	0.300	0					0.83
18.667	0.00	0.26	0.298	0					0.83
18.750	0.00	0.26	0.296	0					0.82
18.833	0.00	0.26	0.294	0					0.82
18.917	0.00	0.26	0.292	0					0.81
19.000	0.00	0.26	0.291	0					0.81
19.083	0.00	0.26	0.289	0					0.80
19.167	0.00	0.26	0.287	0					0.80
19.250	0.00	0.25	0.285	0					0.79
19.333	0.00	0.25	0.284	0					0.79
19.417	0.00	0.25	0.282	0					0.78
19.500	0.00	0.25	0.280	0					0.78
19.583	0.00	0.25	0.278	0					0.77
19.667	0.00	0.25	0.277	0					0.77
19.750	0.00	0.24	0.275	0					0.76
19.833	0.00	0.24	0.273	0					0.76
19.917	0.00	0.24	0.272	0					0.75
20.000	0.00	0.24	0.270	0					0.75
20.083	0.00	0.24	0.268	0					0.75
20.167	0.00	0.24	0.267	0					0.74
20.250	0.00	0.24	0.265	0					0.74
20.333	0.00	0.23	0.264	0					0.73
20.417	0.00	0.23	0.262	0					0.73
20.500	0.00	0.23	0.260	0					0.72
20.583	0.00	0.23	0.259	0					0.72
20.667	0.00	0.23	0.257	0					0.71
20.750	0.00	0.23	0.256	0					0.71
20.833	0.00	0.23	0.254	0					0.71
20.917	0.00	0.22	0.252	0					0.70
21.000	0.00	0.22	0.251	0					0.70
21.083	0.00	0.22	0.249	0					0.69
21.167	0.00	0.22	0.248	0					0.69
21.250	0.00	0.22	0.246	0					0.68
21.333	0.00	0.22	0.245	0					0.68
21.417	0.00	0.22	0.243	0					0.68
21.500	0.00	0.22	0.242	0					0.67
21.583	0.00	0.21	0.240	0					0.67
21.667	0.00	0.21	0.239	0					0.66
21.750	0.00	0.21	0.237	0					0.66
21.833	0.00	0.21	0.236	0					0.66
21.917	0.00	0.21	0.235	0					0.65
22.000	0.00	0.21	0.233	0					0.65
22.083	0.00	0.21	0.232	0					0.64
22.167	0.00	0.20	0.230	0					0.64
22.250	0.00	0.20	0.229	0					0.64
22.333	0.00	0.20	0.228	0					0.63
22.417	0.00	0.20	0.226	0					0.63
22.500	0.00	0.20	0.225	0					0.62
22.583	0.00	0.20	0.223	0					0.62
22.667	0.00	0.20	0.222	0					0.62
22.750	0.00	0.20	0.221	0					0.61
22.833	0.00	0.19	0.219	0					0.61
22.917	0.00	0.19	0.218	0					0.61
23.000	0.00	0.19	0.217	0					0.60
23.083	0.00	0.19	0.215	0					0.60
23.167	0.00	0.19	0.214	0					0.59
23.250	0.00	0.19	0.213	0					0.59
23.333	0.00	0.19	0.211	0					0.59
23.417	0.00	0.19	0.210	0					0.58
23.500	0.00	0.19	0.209	0					0.58
23.583	0.00	0.18	0.208	0					0.58
23.667	0.00	0.18	0.206	0					0.57
23.750	0.00	0.18	0.205	0					0.57
23.833	0.00	0.18	0.204	0					0.57
23.917	0.00	0.18	0.203	0					0.56
24.000	0.00	0.18	0.201	0					0.56
24.083	0.00	0.18	0.200	0					0.56

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

24.167	0.00	0.18	0.199	0					0.55
24.250	0.00	0.18	0.198	0					0.55
24.333	0.00	0.17	0.196	0					0.55
24.417	0.00	0.17	0.195	0					0.54
24.500	0.00	0.17	0.194	0					0.54
24.583	0.00	0.17	0.193	0					0.54
24.667	0.00	0.17	0.192	0					0.53
24.750	0.00	0.17	0.191	0					0.53
24.833	0.00	0.17	0.189	0					0.53
24.917	0.00	0.17	0.188	0					0.52
25.000	0.00	0.17	0.187	0					0.52
25.083	0.00	0.17	0.186	0					0.52
25.167	0.00	0.16	0.185	0					0.51
25.250	0.00	0.16	0.184	0					0.51
25.333	0.00	0.16	0.183	0					0.51
25.417	0.00	0.16	0.181	0					0.50
25.500	0.00	0.16	0.180	0					0.50
25.583	0.00	0.16	0.179	0					0.50
25.667	0.00	0.16	0.178	0					0.49
25.750	0.00	0.16	0.177	0					0.49
25.833	0.00	0.16	0.176	0					0.49
25.917	0.00	0.16	0.175	0					0.49
26.000	0.00	0.15	0.174	0					0.48
26.083	0.00	0.15	0.173	0					0.48
26.167	0.00	0.15	0.172	0					0.48
26.250	0.00	0.15	0.171	0					0.47
26.333	0.00	0.15	0.170	0					0.47
26.417	0.00	0.15	0.169	0					0.47
26.500	0.00	0.15	0.168	0					0.47
26.583	0.00	0.15	0.167	0					0.46
26.667	0.00	0.15	0.165	0					0.46
26.750	0.00	0.15	0.164	0					0.46
26.833	0.00	0.15	0.163	0					0.45
26.917	0.00	0.14	0.162	0					0.45
27.000	0.00	0.14	0.161	0					0.45
27.083	0.00	0.14	0.160	0					0.45
27.167	0.00	0.14	0.160	0					0.44
27.250	0.00	0.14	0.159	0					0.44
27.333	0.00	0.14	0.158	0					0.44
27.417	0.00	0.14	0.157	0					0.44
27.500	0.00	0.14	0.156	0					0.43
27.583	0.00	0.14	0.155	0					0.43
27.667	0.00	0.14	0.154	0					0.43
27.750	0.00	0.14	0.153	0					0.42
27.833	0.00	0.14	0.152	0					0.42
27.917	0.00	0.13	0.151	0					0.42
28.000	0.00	0.13	0.150	0					0.42
28.083	0.00	0.13	0.149	0					0.41
28.167	0.00	0.13	0.148	0					0.41
28.250	0.00	0.13	0.147	0					0.41
28.333	0.00	0.13	0.146	0					0.41
28.417	0.00	0.13	0.146	0					0.40
28.500	0.00	0.13	0.145	0					0.40
28.583	0.00	0.13	0.144	0					0.40
28.667	0.00	0.13	0.143	0					0.40
28.750	0.00	0.13	0.142	0					0.39
28.833	0.00	0.13	0.141	0					0.39
28.917	0.00	0.12	0.140	0					0.39
29.000	0.00	0.12	0.139	0					0.39
29.083	0.00	0.12	0.139	0					0.38
29.167	0.00	0.12	0.138	0					0.38
29.250	0.00	0.12	0.137	0					0.38
29.333	0.00	0.12	0.136	0					0.38
29.417	0.00	0.12	0.135	0					0.38
29.500	0.00	0.12	0.134	0					0.37
29.583	0.00	0.12	0.134	0					0.37
29.667	0.00	0.12	0.133	0					0.37
29.750	0.00	0.12	0.132	0					0.37
29.833	0.00	0.12	0.131	0					0.36
29.917	0.00	0.12	0.130	0					0.36
30.000	0.00	0.12	0.130	0					0.36
30.083	0.00	0.11	0.129	0					0.36

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

30.167	0.00	0.11	0.128	0					0.36
30.250	0.00	0.11	0.127	0					0.35
30.333	0.00	0.11	0.126	0					0.35
30.417	0.00	0.11	0.126	0					0.35
30.500	0.00	0.11	0.125	0					0.35
30.583	0.00	0.11	0.124	0					0.34
30.667	0.00	0.11	0.123	0					0.34
30.750	0.00	0.11	0.123	0					0.34
30.833	0.00	0.11	0.122	0					0.34
30.917	0.00	0.11	0.121	0					0.34
31.000	0.00	0.11	0.120	0					0.33
31.083	0.00	0.11	0.120	0					0.33
31.167	0.00	0.11	0.119	0					0.33
31.250	0.00	0.11	0.118	0					0.33
31.333	0.00	0.10	0.117	0					0.33
31.417	0.00	0.10	0.117	0					0.32
31.500	0.00	0.10	0.116	0					0.32
31.583	0.00	0.10	0.115	0					0.32
31.667	0.00	0.10	0.115	0					0.32
31.750	0.00	0.10	0.114	0					0.32
31.833	0.00	0.10	0.113	0					0.31
31.917	0.00	0.10	0.113	0					0.31
32.000	0.00	0.10	0.112	0					0.31
32.083	0.00	0.10	0.111	0					0.31
32.167	0.00	0.10	0.110	0					0.31
32.250	0.00	0.10	0.110	0					0.31
32.333	0.00	0.10	0.109	0					0.30
32.417	0.00	0.10	0.108	0					0.30
32.500	0.00	0.10	0.108	0					0.30
32.583	0.00	0.10	0.107	0					0.30
32.667	0.00	0.09	0.106	0					0.30
32.750	0.00	0.09	0.106	0					0.29
32.833	0.00	0.09	0.105	0					0.29
32.917	0.00	0.09	0.105	0					0.29
33.000	0.00	0.09	0.104	0					0.29
33.083	0.00	0.09	0.103	0					0.29
33.167	0.00	0.09	0.103	0					0.29
33.250	0.00	0.09	0.102	0					0.28
33.333	0.00	0.09	0.101	0					0.28
33.417	0.00	0.09	0.101	0					0.28
33.500	0.00	0.09	0.100	0					0.28
33.583	0.00	0.09	0.100	0					0.28
33.667	0.00	0.09	0.099	0					0.27
33.750	0.00	0.09	0.098	0					0.27
33.833	0.00	0.09	0.098	0					0.27
33.917	0.00	0.09	0.097	0					0.27
34.000	0.00	0.09	0.097	0					0.27
34.083	0.00	0.09	0.096	0					0.27
34.167	0.00	0.08	0.095	0					0.26
34.250	0.00	0.08	0.095	0					0.26
34.333	0.00	0.08	0.094	0					0.26
34.417	0.00	0.08	0.094	0					0.26
34.500	0.00	0.08	0.093	0					0.26
34.583	0.00	0.08	0.093	0					0.26
34.667	0.00	0.08	0.092	0					0.26
34.750	0.00	0.08	0.091	0					0.25
34.833	0.00	0.08	0.091	0					0.25
34.917	0.00	0.08	0.090	0					0.25
35.000	0.00	0.08	0.090	0					0.25
35.083	0.00	0.08	0.089	0					0.25
35.167	0.00	0.08	0.089	0					0.25
35.250	0.00	0.08	0.088	0					0.24
35.333	0.00	0.08	0.088	0					0.24
35.417	0.00	0.08	0.087	0					0.24
35.500	0.00	0.08	0.086	0					0.24
35.583	0.00	0.08	0.086	0					0.24
35.667	0.00	0.08	0.085	0					0.24
35.750	0.00	0.08	0.085	0					0.24
35.833	0.00	0.08	0.084	0					0.23
35.917	0.00	0.07	0.084	0					0.23
36.000	0.00	0.07	0.083	0					0.23
36.083	0.00	0.07	0.083	0					0.23

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

36.167	0.00	0.07	0.082	0					0.23
36.250	0.00	0.07	0.082	0					0.23
36.333	0.00	0.07	0.081	0					0.23
36.417	0.00	0.07	0.081	0					0.22
36.500	0.00	0.07	0.080	0					0.22
36.583	0.00	0.07	0.080	0					0.22
36.667	0.00	0.07	0.079	0					0.22
36.750	0.00	0.07	0.079	0					0.22
36.833	0.00	0.07	0.078	0					0.22
36.917	0.00	0.07	0.078	0					0.22
37.000	0.00	0.07	0.077	0					0.22
37.083	0.00	0.07	0.077	0					0.21
37.167	0.00	0.07	0.077	0					0.21
37.250	0.00	0.07	0.076	0					0.21
37.333	0.00	0.07	0.076	0					0.21
37.417	0.00	0.07	0.075	0					0.21
37.500	0.00	0.07	0.075	0					0.21
37.583	0.00	0.07	0.074	0					0.21
37.667	0.00	0.07	0.074	0					0.20
37.750	0.00	0.07	0.073	0					0.20
37.833	0.00	0.06	0.073	0					0.20
37.917	0.00	0.06	0.072	0					0.20
38.000	0.00	0.06	0.072	0					0.20
38.083	0.00	0.06	0.072	0					0.20
38.167	0.00	0.06	0.071	0					0.20
38.250	0.00	0.06	0.071	0					0.20
38.333	0.00	0.06	0.070	0					0.20
38.417	0.00	0.06	0.070	0					0.19
38.500	0.00	0.06	0.069	0					0.19
38.583	0.00	0.06	0.069	0					0.19
38.667	0.00	0.06	0.069	0					0.19
38.750	0.00	0.06	0.068	0					0.19
38.833	0.00	0.06	0.068	0					0.19
38.917	0.00	0.06	0.067	0					0.19
39.000	0.00	0.06	0.067	0					0.19
39.083	0.00	0.06	0.066	0					0.18
39.167	0.00	0.06	0.066	0					0.18
39.250	0.00	0.06	0.066	0					0.18
39.333	0.00	0.06	0.065	0					0.18
39.417	0.00	0.06	0.065	0					0.18
39.500	0.00	0.06	0.064	0					0.18
39.583	0.00	0.06	0.064	0					0.18
39.667	0.00	0.06	0.064	0					0.18
39.750	0.00	0.06	0.063	0					0.18
39.833	0.00	0.06	0.063	0					0.17
39.917	0.00	0.06	0.063	0					0.17
40.000	0.00	0.06	0.062	0					0.17
40.083	0.00	0.05	0.062	0					0.17
40.167	0.00	0.05	0.061	0					0.17
40.250	0.00	0.05	0.061	0					0.17
40.333	0.00	0.05	0.061	0					0.17
40.417	0.00	0.05	0.060	0					0.17
40.500	0.00	0.05	0.060	0					0.17
40.583	0.00	0.05	0.060	0					0.17
40.667	0.00	0.05	0.059	0					0.16
40.750	0.00	0.05	0.059	0					0.16
40.833	0.00	0.05	0.058	0					0.16
40.917	0.00	0.05	0.058	0					0.16
41.000	0.00	0.05	0.058	0					0.16
41.083	0.00	0.05	0.057	0					0.16
41.167	0.00	0.05	0.057	0					0.16
41.250	0.00	0.05	0.057	0					0.16
41.333	0.00	0.05	0.056	0					0.16
41.417	0.00	0.05	0.056	0					0.16
41.500	0.00	0.05	0.056	0					0.15
41.583	0.00	0.05	0.055	0					0.15
41.667	0.00	0.05	0.055	0					0.15
41.750	0.00	0.05	0.055	0					0.15
41.833	0.00	0.05	0.054	0					0.15
41.917	0.00	0.05	0.054	0					0.15
42.000	0.00	0.05	0.054	0					0.15
42.083	0.00	0.05	0.053	0					0.15

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

42.167	0.00	0.05	0.053	0					0.15
42.250	0.00	0.05	0.053	0					0.15
42.333	0.00	0.05	0.052	0					0.15
42.417	0.00	0.05	0.052	0					0.14
42.500	0.00	0.05	0.052	0					0.14
42.583	0.00	0.05	0.051	0					0.14
42.667	0.00	0.05	0.051	0					0.14
42.750	0.00	0.05	0.051	0					0.14
42.833	0.00	0.04	0.050	0					0.14
42.917	0.00	0.04	0.050	0					0.14
43.000	0.00	0.04	0.050	0					0.14
43.083	0.00	0.04	0.050	0					0.14
43.167	0.00	0.04	0.049	0					0.14
43.250	0.00	0.04	0.049	0					0.14
43.333	0.00	0.04	0.049	0					0.14
43.417	0.00	0.04	0.048	0					0.13
43.500	0.00	0.04	0.048	0					0.13
43.583	0.00	0.04	0.048	0					0.13
43.667	0.00	0.04	0.047	0					0.13
43.750	0.00	0.04	0.047	0					0.13
43.833	0.00	0.04	0.047	0					0.13
43.917	0.00	0.04	0.047	0					0.13
44.000	0.00	0.04	0.046	0					0.13
44.083	0.00	0.04	0.046	0					0.13
44.167	0.00	0.04	0.046	0					0.13
44.250	0.00	0.04	0.045	0					0.13
44.333	0.00	0.04	0.045	0					0.13
44.417	0.00	0.04	0.045	0					0.12
44.500	0.00	0.04	0.045	0					0.12
44.583	0.00	0.04	0.044	0					0.12
44.667	0.00	0.04	0.044	0					0.12
44.750	0.00	0.04	0.044	0					0.12
44.833	0.00	0.04	0.044	0					0.12
44.917	0.00	0.04	0.043	0					0.12
45.000	0.00	0.04	0.043	0					0.12
45.083	0.00	0.04	0.043	0					0.12
45.167	0.00	0.04	0.043	0					0.12
45.250	0.00	0.04	0.042	0					0.12
45.333	0.00	0.04	0.042	0					0.12
45.417	0.00	0.04	0.042	0					0.12
45.500	0.00	0.04	0.041	0					0.12
45.583	0.00	0.04	0.041	0					0.11
45.667	0.00	0.04	0.041	0					0.11
45.750	0.00	0.04	0.041	0					0.11
45.833	0.00	0.04	0.040	0					0.11
45.917	0.00	0.04	0.040	0					0.11
46.000	0.00	0.04	0.040	0					0.11
46.083	0.00	0.04	0.040	0					0.11
46.167	0.00	0.04	0.040	0					0.11
46.250	0.00	0.03	0.039	0					0.11
46.333	0.00	0.03	0.039	0					0.11
46.417	0.00	0.03	0.039	0					0.11
46.500	0.00	0.03	0.039	0					0.11
46.583	0.00	0.03	0.038	0					0.11
46.667	0.00	0.03	0.038	0					0.11
46.750	0.00	0.03	0.038	0					0.11
46.833	0.00	0.03	0.038	0					0.10
46.917	0.00	0.03	0.037	0					0.10
47.000	0.00	0.03	0.037	0					0.10
47.083	0.00	0.03	0.037	0					0.10
47.167	0.00	0.03	0.037	0					0.10
47.250	0.00	0.03	0.036	0					0.10
47.333	0.00	0.03	0.036	0					0.10
47.417	0.00	0.03	0.036	0					0.10
47.500	0.00	0.03	0.036	0					0.10
47.583	0.00	0.03	0.036	0					0.10
47.667	0.00	0.03	0.035	0					0.10
47.750	0.00	0.03	0.035	0					0.10
47.833	0.00	0.03	0.035	0					0.10
47.917	0.00	0.03	0.035	0					0.10
48.000	0.00	0.03	0.035	0					0.10
48.083	0.00	0.03	0.034	0					0.10

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

48.167	0.00	0.03	0.034	0					0.09
48.250	0.00	0.03	0.034	0					0.09
48.333	0.00	0.03	0.034	0					0.09
48.417	0.00	0.03	0.033	0					0.09
48.500	0.00	0.03	0.033	0					0.09
48.583	0.00	0.03	0.033	0					0.09
48.667	0.00	0.03	0.033	0					0.09
48.750	0.00	0.03	0.033	0					0.09
48.833	0.00	0.03	0.032	0					0.09
48.917	0.00	0.03	0.032	0					0.09
49.000	0.00	0.03	0.032	0					0.09
49.083	0.00	0.03	0.032	0					0.09
49.167	0.00	0.03	0.032	0					0.09
49.250	0.00	0.03	0.031	0					0.09
49.333	0.00	0.03	0.031	0					0.09
49.417	0.00	0.03	0.031	0					0.09
49.500	0.00	0.03	0.031	0					0.09
49.583	0.00	0.03	0.031	0					0.09
49.667	0.00	0.03	0.031	0					0.08
49.750	0.00	0.03	0.030	0					0.08
49.833	0.00	0.03	0.030	0					0.08
49.917	0.00	0.03	0.030	0					0.08
50.000	0.00	0.03	0.030	0					0.08
50.083	0.00	0.03	0.030	0					0.08
50.167	0.00	0.03	0.029	0					0.08
50.250	0.00	0.03	0.029	0					0.08
50.333	0.00	0.03	0.029	0					0.08
50.417	0.00	0.03	0.029	0					0.08
50.500	0.00	0.03	0.029	0					0.08
50.583	0.00	0.03	0.029	0					0.08
50.667	0.00	0.03	0.028	0					0.08
50.750	0.00	0.03	0.028	0					0.08
50.833	0.00	0.02	0.028	0					0.08
50.917	0.00	0.02	0.028	0					0.08
51.000	0.00	0.02	0.028	0					0.08
51.083	0.00	0.02	0.028	0					0.08
51.167	0.00	0.02	0.027	0					0.08
51.250	0.00	0.02	0.027	0					0.08
51.333	0.00	0.02	0.027	0					0.08
51.417	0.00	0.02	0.027	0					0.07
51.500	0.00	0.02	0.027	0					0.07
51.583	0.00	0.02	0.027	0					0.07
51.667	0.00	0.02	0.026	0					0.07
51.750	0.00	0.02	0.026	0					0.07
51.833	0.00	0.02	0.026	0					0.07
51.917	0.00	0.02	0.026	0					0.07
52.000	0.00	0.02	0.026	0					0.07
52.083	0.00	0.02	0.026	0					0.07
52.167	0.00	0.02	0.025	0					0.07
52.250	0.00	0.02	0.025	0					0.07
52.333	0.00	0.02	0.025	0					0.07
52.417	0.00	0.02	0.025	0					0.07
52.500	0.00	0.02	0.025	0					0.07
52.583	0.00	0.02	0.025	0					0.07
52.667	0.00	0.02	0.025	0					0.07
52.750	0.00	0.02	0.024	0					0.07
52.833	0.00	0.02	0.024	0					0.07
52.917	0.00	0.02	0.024	0					0.07
53.000	0.00	0.02	0.024	0					0.07
53.083	0.00	0.02	0.024	0					0.07
53.167	0.00	0.02	0.024	0					0.07
53.250	0.00	0.02	0.023	0					0.07
53.333	0.00	0.02	0.023	0					0.06
53.417	0.00	0.02	0.023	0					0.06
53.500	0.00	0.02	0.023	0					0.06
53.583	0.00	0.02	0.023	0					0.06
53.667	0.00	0.02	0.023	0					0.06
53.750	0.00	0.02	0.023	0					0.06
53.833	0.00	0.02	0.022	0					0.06
53.917	0.00	0.02	0.022	0					0.06
54.000	0.00	0.02	0.022	0					0.06
54.083	0.00	0.02	0.022	0					0.06

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

54.167	0.00	0.02	0.022	0					0.06
54.250	0.00	0.02	0.022	0					0.06
54.333	0.00	0.02	0.022	0					0.06
54.417	0.00	0.02	0.022	0					0.06
54.500	0.00	0.02	0.021	0					0.06
54.583	0.00	0.02	0.021	0					0.06
54.667	0.00	0.02	0.021	0					0.06
54.750	0.00	0.02	0.021	0					0.06
54.833	0.00	0.02	0.021	0					0.06
54.917	0.00	0.02	0.021	0					0.06
55.000	0.00	0.02	0.021	0					0.06
55.083	0.00	0.02	0.021	0					0.06
55.167	0.00	0.02	0.020	0					0.06
55.250	0.00	0.02	0.020	0					0.06
55.333	0.00	0.02	0.020	0					0.06
55.417	0.00	0.02	0.020	0					0.06
55.500	0.00	0.02	0.020	0					0.06
55.583	0.00	0.02	0.020	0					0.05
55.667	0.00	0.02	0.020	0					0.05
55.750	0.00	0.02	0.020	0					0.05
55.833	0.00	0.02	0.019	0					0.05
55.917	0.00	0.02	0.019	0					0.05
56.000	0.00	0.02	0.019	0					0.05
56.083	0.00	0.02	0.019	0					0.05
56.167	0.00	0.02	0.019	0					0.05
56.250	0.00	0.02	0.019	0					0.05
56.333	0.00	0.02	0.019	0					0.05
56.417	0.00	0.02	0.019	0					0.05
56.500	0.00	0.02	0.018	0					0.05
56.583	0.00	0.02	0.018	0					0.05
56.667	0.00	0.02	0.018	0					0.05
56.750	0.00	0.02	0.018	0					0.05
56.833	0.00	0.02	0.018	0					0.05
56.917	0.00	0.02	0.018	0					0.05
57.000	0.00	0.02	0.018	0					0.05
57.083	0.00	0.02	0.018	0					0.05
57.167	0.00	0.02	0.018	0					0.05
57.250	0.00	0.02	0.017	0					0.05
57.333	0.00	0.02	0.017	0					0.05
57.417	0.00	0.02	0.017	0					0.05
57.500	0.00	0.02	0.017	0					0.05
57.583	0.00	0.02	0.017	0					0.05
57.667	0.00	0.02	0.017	0					0.05
57.750	0.00	0.01	0.017	0					0.05
57.833	0.00	0.01	0.017	0					0.05
57.917	0.00	0.01	0.017	0					0.05
58.000	0.00	0.01	0.017	0					0.05
58.083	0.00	0.01	0.016	0					0.05
58.167	0.00	0.01	0.016	0					0.05
58.250	0.00	0.01	0.016	0					0.05
58.333	0.00	0.01	0.016	0					0.04
58.417	0.00	0.01	0.016	0					0.04
58.500	0.00	0.01	0.016	0					0.04
58.583	0.00	0.01	0.016	0					0.04
58.667	0.00	0.01	0.016	0					0.04
58.750	0.00	0.01	0.016	0					0.04
58.833	0.00	0.01	0.016	0					0.04
58.917	0.00	0.01	0.015	0					0.04
59.000	0.00	0.01	0.015	0					0.04
59.083	0.00	0.01	0.015	0					0.04
59.167	0.00	0.01	0.015	0					0.04
59.250	0.00	0.01	0.015	0					0.04
59.333	0.00	0.01	0.015	0					0.04
59.417	0.00	0.01	0.015	0					0.04
59.500	0.00	0.01	0.015	0					0.04
59.583	0.00	0.01	0.015	0					0.04
59.667	0.00	0.01	0.015	0					0.04
59.750	0.00	0.01	0.015	0					0.04
59.833	0.00	0.01	0.014	0					0.04
59.917	0.00	0.01	0.014	0					0.04
60.000	0.00	0.01	0.014	0					0.04
60.083	0.00	0.01	0.014	0					0.04

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

60.167	0.00	0.01	0.014	0					0.04
60.250	0.00	0.01	0.014	0					0.04
60.333	0.00	0.01	0.014	0					0.04
60.417	0.00	0.01	0.014	0					0.04
60.500	0.00	0.01	0.014	0					0.04
60.583	0.00	0.01	0.014	0					0.04
60.667	0.00	0.01	0.014	0					0.04
60.750	0.00	0.01	0.014	0					0.04
60.833	0.00	0.01	0.013	0					0.04
60.917	0.00	0.01	0.013	0					0.04
61.000	0.00	0.01	0.013	0					0.04
61.083	0.00	0.01	0.013	0					0.04
61.167	0.00	0.01	0.013	0					0.04
61.250	0.00	0.01	0.013	0					0.04
61.333	0.00	0.01	0.013	0					0.04
61.417	0.00	0.01	0.013	0					0.04
61.500	0.00	0.01	0.013	0					0.04
61.583	0.00	0.01	0.013	0					0.04
61.667	0.00	0.01	0.013	0					0.04
61.750	0.00	0.01	0.013	0					0.03
61.833	0.00	0.01	0.012	0					0.03
61.917	0.00	0.01	0.012	0					0.03
62.000	0.00	0.01	0.012	0					0.03
62.083	0.00	0.01	0.012	0					0.03
62.167	0.00	0.01	0.012	0					0.03
62.250	0.00	0.01	0.012	0					0.03
62.333	0.00	0.01	0.012	0					0.03
62.417	0.00	0.01	0.012	0					0.03
62.500	0.00	0.01	0.012	0					0.03
62.583	0.00	0.01	0.012	0					0.03
62.667	0.00	0.01	0.012	0					0.03
62.750	0.00	0.01	0.012	0					0.03
62.833	0.00	0.01	0.012	0					0.03
62.917	0.00	0.01	0.012	0					0.03
63.000	0.00	0.01	0.011	0					0.03
63.083	0.00	0.01	0.011	0					0.03
63.167	0.00	0.01	0.011	0					0.03
63.250	0.00	0.01	0.011	0					0.03
63.333	0.00	0.01	0.011	0					0.03
63.417	0.00	0.01	0.011	0					0.03
63.500	0.00	0.01	0.011	0					0.03
63.583	0.00	0.01	0.011	0					0.03
63.667	0.00	0.01	0.011	0					0.03
63.750	0.00	0.01	0.011	0					0.03
63.833	0.00	0.01	0.011	0					0.03
63.917	0.00	0.01	0.011	0					0.03
64.000	0.00	0.01	0.011	0					0.03
64.083	0.00	0.01	0.011	0					0.03
64.167	0.00	0.01	0.011	0					0.03
64.250	0.00	0.01	0.010	0					0.03
64.333	0.00	0.01	0.010	0					0.03
64.417	0.00	0.01	0.010	0					0.03
64.500	0.00	0.01	0.010	0					0.03
64.583	0.00	0.01	0.010	0					0.03
64.667	0.00	0.01	0.010	0					0.03
64.750	0.00	0.01	0.010	0					0.03
64.833	0.00	0.01	0.010	0					0.03
64.917	0.00	0.01	0.010	0					0.03
65.000	0.00	0.01	0.010	0					0.03
65.083	0.00	0.01	0.010	0					0.03
65.167	0.00	0.01	0.010	0					0.03
65.250	0.00	0.01	0.010	0					0.03
65.333	0.00	0.01	0.010	0					0.03
65.417	0.00	0.01	0.010	0					0.03
65.500	0.00	0.01	0.010	0					0.03
65.583	0.00	0.01	0.009	0					0.03
65.667	0.00	0.01	0.009	0					0.03
65.750	0.00	0.01	0.009	0					0.03
65.833	0.00	0.01	0.009	0					0.03
65.917	0.00	0.01	0.009	0					0.03
66.000	0.00	0.01	0.009	0					0.03
66.083	0.00	0.01	0.009	0					0.03

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

66.167	0.00	0.01	0.009	0					0.03
66.250	0.00	0.01	0.009	0					0.03
66.333	0.00	0.01	0.009	0					0.02
66.417	0.00	0.01	0.009	0					0.02
66.500	0.00	0.01	0.009	0					0.02
66.583	0.00	0.01	0.009	0					0.02
66.667	0.00	0.01	0.009	0					0.02
66.750	0.00	0.01	0.009	0					0.02
66.833	0.00	0.01	0.009	0					0.02
66.917	0.00	0.01	0.009	0					0.02
67.000	0.00	0.01	0.009	0					0.02
67.083	0.00	0.01	0.008	0					0.02
67.167	0.00	0.01	0.008	0					0.02
67.250	0.00	0.01	0.008	0					0.02
67.333	0.00	0.01	0.008	0					0.02
67.417	0.00	0.01	0.008	0					0.02
67.500	0.00	0.01	0.008	0					0.02
67.583	0.00	0.01	0.008	0					0.02
67.667	0.00	0.01	0.008	0					0.02
67.750	0.00	0.01	0.008	0					0.02
67.833	0.00	0.01	0.008	0					0.02
67.917	0.00	0.01	0.008	0					0.02
68.000	0.00	0.01	0.008	0					0.02
68.083	0.00	0.01	0.008	0					0.02
68.167	0.00	0.01	0.008	0					0.02
68.250	0.00	0.01	0.008	0					0.02
68.333	0.00	0.01	0.008	0					0.02
68.417	0.00	0.01	0.008	0					0.02
68.500	0.00	0.01	0.008	0					0.02
68.583	0.00	0.01	0.008	0					0.02
68.667	0.00	0.01	0.008	0					0.02
68.750	0.00	0.01	0.008	0					0.02
68.833	0.00	0.01	0.007	0					0.02
68.917	0.00	0.01	0.007	0					0.02
69.000	0.00	0.01	0.007	0					0.02
69.083	0.00	0.01	0.007	0					0.02
69.167	0.00	0.01	0.007	0					0.02
69.250	0.00	0.01	0.007	0					0.02
69.333	0.00	0.01	0.007	0					0.02
69.417	0.00	0.01	0.007	0					0.02
69.500	0.00	0.01	0.007	0					0.02
69.583	0.00	0.01	0.007	0					0.02
69.667	0.00	0.01	0.007	0					0.02
69.750	0.00	0.01	0.007	0					0.02
69.833	0.00	0.01	0.007	0					0.02
69.917	0.00	0.01	0.007	0					0.02
70.000	0.00	0.01	0.007	0					0.02
70.083	0.00	0.01	0.007	0					0.02
70.167	0.00	0.01	0.007	0					0.02
70.250	0.00	0.01	0.007	0					0.02
70.333	0.00	0.01	0.007	0					0.02
70.417	0.00	0.01	0.007	0					0.02
70.500	0.00	0.01	0.007	0					0.02
70.583	0.00	0.01	0.007	0					0.02
70.667	0.00	0.01	0.007	0					0.02
70.750	0.00	0.01	0.006	0					0.02
70.833	0.00	0.01	0.006	0					0.02
70.917	0.00	0.01	0.006	0					0.02
71.000	0.00	0.01	0.006	0					0.02
71.083	0.00	0.01	0.006	0					0.02
71.167	0.00	0.01	0.006	0					0.02
71.250	0.00	0.01	0.006	0					0.02
71.333	0.00	0.01	0.006	0					0.02
71.417	0.00	0.01	0.006	0					0.02
71.500	0.00	0.01	0.006	0					0.02
71.583	0.00	0.01	0.006	0					0.02
71.667	0.00	0.01	0.006	0					0.02
71.750	0.00	0.01	0.006	0					0.02
71.833	0.00	0.01	0.006	0					0.02
71.917	0.00	0.01	0.006	0					0.02
72.000	0.00	0.01	0.006	0					0.02
72.083	0.00	0.01	0.006	0					0.02

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

72.167	0.00	0.01	0.006	0					0.02
72.250	0.00	0.01	0.006	0					0.02
72.333	0.00	0.01	0.006	0					0.02
72.417	0.00	0.01	0.006	0					0.02
72.500	0.00	0.01	0.006	0					0.02
72.583	0.00	0.01	0.006	0					0.02
72.667	0.00	0.01	0.006	0					0.02
72.750	0.00	0.00	0.006	0					0.02
72.833	0.00	0.00	0.006	0					0.02
72.917	0.00	0.00	0.006	0					0.02
73.000	0.00	0.00	0.006	0					0.02
73.083	0.00	0.00	0.005	0					0.02
73.167	0.00	0.00	0.005	0					0.02
73.250	0.00	0.00	0.005	0					0.02
73.333	0.00	0.00	0.005	0					0.01
73.417	0.00	0.00	0.005	0					0.01
73.500	0.00	0.00	0.005	0					0.01
73.583	0.00	0.00	0.005	0					0.01
73.667	0.00	0.00	0.005	0					0.01
73.750	0.00	0.00	0.005	0					0.01
73.833	0.00	0.00	0.005	0					0.01
73.917	0.00	0.00	0.005	0					0.01
74.000	0.00	0.00	0.005	0					0.01
74.083	0.00	0.00	0.005	0					0.01
74.167	0.00	0.00	0.005	0					0.01
74.250	0.00	0.00	0.005	0					0.01
74.333	0.00	0.00	0.005	0					0.01
74.417	0.00	0.00	0.005	0					0.01
74.500	0.00	0.00	0.005	0					0.01
74.583	0.00	0.00	0.005	0					0.01
74.667	0.00	0.00	0.005	0					0.01
74.750	0.00	0.00	0.005	0					0.01
74.833	0.00	0.00	0.005	0					0.01
74.917	0.00	0.00	0.005	0					0.01
75.000	0.00	0.00	0.005	0					0.01
75.083	0.00	0.00	0.005	0					0.01
75.167	0.00	0.00	0.005	0					0.01
75.250	0.00	0.00	0.005	0					0.01
75.333	0.00	0.00	0.005	0					0.01
75.417	0.00	0.00	0.005	0					0.01
75.500	0.00	0.00	0.005	0					0.01
75.583	0.00	0.00	0.005	0					0.01
75.667	0.00	0.00	0.005	0					0.01
75.750	0.00	0.00	0.004	0					0.01
75.833	0.00	0.00	0.004	0					0.01
75.917	0.00	0.00	0.004	0					0.01
76.000	0.00	0.00	0.004	0					0.01
76.083	0.00	0.00	0.004	0					0.01
76.167	0.00	0.00	0.004	0					0.01
76.250	0.00	0.00	0.004	0					0.01
76.333	0.00	0.00	0.004	0					0.01
76.417	0.00	0.00	0.004	0					0.01
76.500	0.00	0.00	0.004	0					0.01
76.583	0.00	0.00	0.004	0					0.01
76.667	0.00	0.00	0.004	0					0.01
76.750	0.00	0.00	0.004	0					0.01
76.833	0.00	0.00	0.004	0					0.01
76.917	0.00	0.00	0.004	0					0.01
77.000	0.00	0.00	0.004	0					0.01
77.083	0.00	0.00	0.004	0					0.01
77.167	0.00	0.00	0.004	0					0.01
77.250	0.00	0.00	0.004	0					0.01
77.333	0.00	0.00	0.004	0					0.01
77.417	0.00	0.00	0.004	0					0.01
77.500	0.00	0.00	0.004	0					0.01
77.583	0.00	0.00	0.004	0					0.01
77.667	0.00	0.00	0.004	0					0.01
77.750	0.00	0.00	0.004	0					0.01
77.833	0.00	0.00	0.004	0					0.01
77.917	0.00	0.00	0.004	0					0.01
78.000	0.00	0.00	0.004	0					0.01
78.083	0.00	0.00	0.004	0					0.01

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

78.167	0.00	0.00	0.004	0					0.01
78.250	0.00	0.00	0.004	0					0.01
78.333	0.00	0.00	0.004	0					0.01
78.417	0.00	0.00	0.004	0					0.01
78.500	0.00	0.00	0.004	0					0.01
78.583	0.00	0.00	0.004	0					0.01
78.667	0.00	0.00	0.004	0					0.01
78.750	0.00	0.00	0.004	0					0.01
78.833	0.00	0.00	0.004	0					0.01
78.917	0.00	0.00	0.004	0					0.01
79.000	0.00	0.00	0.004	0					0.01
79.083	0.00	0.00	0.004	0					0.01
79.167	0.00	0.00	0.003	0					0.01
79.250	0.00	0.00	0.003	0					0.01
79.333	0.00	0.00	0.003	0					0.01
79.417	0.00	0.00	0.003	0					0.01
79.500	0.00	0.00	0.003	0					0.01
79.583	0.00	0.00	0.003	0					0.01
79.667	0.00	0.00	0.003	0					0.01
79.750	0.00	0.00	0.003	0					0.01
79.833	0.00	0.00	0.003	0					0.01
79.917	0.00	0.00	0.003	0					0.01
80.000	0.00	0.00	0.003	0					0.01
80.083	0.00	0.00	0.003	0					0.01
80.167	0.00	0.00	0.003	0					0.01
80.250	0.00	0.00	0.003	0					0.01
80.333	0.00	0.00	0.003	0					0.01
80.417	0.00	0.00	0.003	0					0.01
80.500	0.00	0.00	0.003	0					0.01
80.583	0.00	0.00	0.003	0					0.01
80.667	0.00	0.00	0.003	0					0.01
80.750	0.00	0.00	0.003	0					0.01
80.833	0.00	0.00	0.003	0					0.01
80.917	0.00	0.00	0.003	0					0.01
81.000	0.00	0.00	0.003	0					0.01
81.083	0.00	0.00	0.003	0					0.01
81.167	0.00	0.00	0.003	0					0.01
81.250	0.00	0.00	0.003	0					0.01
81.333	0.00	0.00	0.003	0					0.01
81.417	0.00	0.00	0.003	0					0.01
81.500	0.00	0.00	0.003	0					0.01
81.583	0.00	0.00	0.003	0					0.01
81.667	0.00	0.00	0.003	0					0.01
81.750	0.00	0.00	0.003	0					0.01
81.833	0.00	0.00	0.003	0					0.01
81.917	0.00	0.00	0.003	0					0.01
82.000	0.00	0.00	0.003	0					0.01
82.083	0.00	0.00	0.003	0					0.01
82.167	0.00	0.00	0.003	0					0.01
82.250	0.00	0.00	0.003	0					0.01
82.333	0.00	0.00	0.003	0					0.01
82.417	0.00	0.00	0.003	0					0.01
82.500	0.00	0.00	0.003	0					0.01
82.583	0.00	0.00	0.003	0					0.01
82.667	0.00	0.00	0.003	0					0.01
82.750	0.00	0.00	0.003	0					0.01
82.833	0.00	0.00	0.003	0					0.01
82.917	0.00	0.00	0.003	0					0.01
83.000	0.00	0.00	0.003	0					0.01
83.083	0.00	0.00	0.003	0					0.01
83.167	0.00	0.00	0.003	0					0.01
83.250	0.00	0.00	0.003	0					0.01
83.333	0.00	0.00	0.003	0					0.01
83.417	0.00	0.00	0.003	0					0.01
83.500	0.00	0.00	0.003	0					0.01
83.583	0.00	0.00	0.003	0					0.01
83.667	0.00	0.00	0.003	0					0.01
83.750	0.00	0.00	0.002	0					0.01
83.833	0.00	0.00	0.002	0					0.01
83.917	0.00	0.00	0.002	0					0.01
84.000	0.00	0.00	0.002	0					0.01
84.083	0.00	0.00	0.002	0					0.01

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

84.167	0.00	0.00	0.002	0					0.01
84.250	0.00	0.00	0.002	0					0.01
84.333	0.00	0.00	0.002	0					0.01
84.417	0.00	0.00	0.002	0					0.01
84.500	0.00	0.00	0.002	0					0.01
84.583	0.00	0.00	0.002	0					0.01
84.667	0.00	0.00	0.002	0					0.01
84.750	0.00	0.00	0.002	0					0.01
84.833	0.00	0.00	0.002	0					0.01
84.917	0.00	0.00	0.002	0					0.01
85.000	0.00	0.00	0.002	0					0.01
85.083	0.00	0.00	0.002	0					0.01
85.167	0.00	0.00	0.002	0					0.01
85.250	0.00	0.00	0.002	0					0.01
85.333	0.00	0.00	0.002	0					0.01
85.417	0.00	0.00	0.002	0					0.01
85.500	0.00	0.00	0.002	0					0.01
85.583	0.00	0.00	0.002	0					0.01
85.667	0.00	0.00	0.002	0					0.01
85.750	0.00	0.00	0.002	0					0.01
85.833	0.00	0.00	0.002	0					0.01
85.917	0.00	0.00	0.002	0					0.01
86.000	0.00	0.00	0.002	0					0.01
86.083	0.00	0.00	0.002	0					0.01
86.167	0.00	0.00	0.002	0					0.01
86.250	0.00	0.00	0.002	0					0.01
86.333	0.00	0.00	0.002	0					0.01
86.417	0.00	0.00	0.002	0					0.01
86.500	0.00	0.00	0.002	0					0.01
86.583	0.00	0.00	0.002	0					0.01
86.667	0.00	0.00	0.002	0					0.01
86.750	0.00	0.00	0.002	0					0.01
86.833	0.00	0.00	0.002	0					0.01
86.917	0.00	0.00	0.002	0					0.01
87.000	0.00	0.00	0.002	0					0.01
87.083	0.00	0.00	0.002	0					0.01
87.167	0.00	0.00	0.002	0					0.01
87.250	0.00	0.00	0.002	0					0.01
87.333	0.00	0.00	0.002	0					0.01
87.417	0.00	0.00	0.002	0					0.01
87.500	0.00	0.00	0.002	0					0.01
87.583	0.00	0.00	0.002	0					0.01
87.667	0.00	0.00	0.002	0					0.01
87.750	0.00	0.00	0.002	0					0.01
87.833	0.00	0.00	0.002	0					0.01
87.917	0.00	0.00	0.002	0					0.01
88.000	0.00	0.00	0.002	0					0.01
88.083	0.00	0.00	0.002	0					0.01
88.167	0.00	0.00	0.002	0					0.01
88.250	0.00	0.00	0.002	0					0.00
88.333	0.00	0.00	0.002	0					0.00
88.417	0.00	0.00	0.002	0					0.00
88.500	0.00	0.00	0.002	0					0.00
88.583	0.00	0.00	0.002	0					0.00
88.667	0.00	0.00	0.002	0					0.00
88.750	0.00	0.00	0.002	0					0.00
88.833	0.00	0.00	0.002	0					0.00
88.917	0.00	0.00	0.002	0					0.00
89.000	0.00	0.00	0.002	0					0.00
89.083	0.00	0.00	0.002	0					0.00
89.167	0.00	0.00	0.002	0					0.00
89.250	0.00	0.00	0.002	0					0.00
89.333	0.00	0.00	0.002	0					0.00
89.417	0.00	0.00	0.002	0					0.00
89.500	0.00	0.00	0.002	0					0.00
89.583	0.00	0.00	0.002	0					0.00
89.667	0.00	0.00	0.002	0					0.00
89.750	0.00	0.00	0.002	0					0.00
89.833	0.00	0.00	0.002	0					0.00
89.917	0.00	0.00	0.002	0					0.00
90.000	0.00	0.00	0.002	0					0.00
90.083	0.00	0.00	0.002	0					0.00

Glen Ivy Senior Living

ATTACHMENT D – Detention Basin Routing

90.167	0.00	0.00	0.002	0					0.00
90.250	0.00	0.00	0.002	0					0.00
90.333	0.00	0.00	0.002	0					0.00
90.417	0.00	0.00	0.002	0					0.00
90.500	0.00	0.00	0.002	0					0.00
90.583	0.00	0.00	0.002	0					0.00
90.667	0.00	0.00	0.002	0					0.00
90.750	0.00	0.00	0.001	0					0.00
90.833	0.00	0.00	0.001	0					0.00
90.917	0.00	0.00	0.001	0					0.00
91.000	0.00	0.00	0.001	0					0.00
91.083	0.00	0.00	0.001	0					0.00
91.167	0.00	0.00	0.001	0					0.00
91.250	0.00	0.00	0.001	0					0.00
91.333	0.00	0.00	0.001	0					0.00
91.417	0.00	0.00	0.001	0					0.00
91.500	0.00	0.00	0.001	0					0.00
91.583	0.00	0.00	0.001	0					0.00
91.667	0.00	0.00	0.001	0					0.00
91.750	0.00	0.00	0.001	0					0.00
91.833	0.00	0.00	0.001	0					0.00
91.917	0.00	0.00	0.001	0					0.00
92.000	0.00	0.00	0.001	0					0.00
92.083	0.00	0.00	0.001	0					0.00
92.167	0.00	0.00	0.001	0					0.00
92.250	0.00	0.00	0.001	0					0.00
92.333	0.00	0.00	0.001	0					0.00
92.417	0.00	0.00	0.001	0					0.00
92.500	0.00	0.00	0.001	0					0.00
92.583	0.00	0.00	0.001	0					0.00
92.667	0.00	0.00	0.001	0					0.00
92.750	0.00	0.00	0.001	0					0.00
92.833	0.00	0.00	0.001	0					0.00
92.917	0.00	0.00	0.001	0					0.00
93.000	0.00	0.00	0.001	0					0.00
93.083	0.00	0.00	0.001	0					0.00
93.167	0.00	0.00	0.001	0					0.00
93.250	0.00	0.00	0.001	0					0.00
93.333	0.00	0.00	0.001	0					0.00
93.417	0.00	0.00	0.001	0					0.00
93.500	0.00	0.00	0.001	0					0.00
93.583	0.00	0.00	0.001	0					0.00
93.667	0.00	0.00	0.001	0					0.00
93.750	0.00	0.00	0.001	0					0.00
93.833	0.00	0.00	0.001	0					0.00
93.917	0.00	0.00	0.001	0					0.00
94.000	0.00	0.00	0.001	0					0.00
94.083	0.00	0.00	0.001	0					0.00
94.167	0.00	0.00	0.001	0					0.00
94.250	0.00	0.00	0.001	0					0.00
94.333	0.00	0.00	0.001	0					0.00
94.417	0.00	0.00	0.001	0					0.00
94.500	0.00	0.00	0.001	0					0.00
94.583	0.00	0.00	0.001	0					0.00
94.667	0.00	0.00	0.001	0					0.00

Remaining water in basin = 0.00 (Ac.Ft)

```

*****HYDROGRAPH DATA*****
      Number of intervals = 1136
      Time interval = 5.0 (Min.)
      Maximum/Peak flow rate = 0.446 (CFS)
      Total volume = 0.823 (Ac.Ft)
      Status of hydrographs being held in storage
      Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
      Peak (CFS) 0.000 0.000 0.000 0.000 0.000
      Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000
*****

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Glen Ivy Senior Living

ATTACHMENT D – Detention Basin Routing

FLOOD HYDROGRAPH ROUTING PROGRAM
 Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2005
 Study date: 08/18/20

 Glen Ivy Senior Living
 Inflow Hydrograph Calculations
 Detention Basin A
 5-year 6-hour storm

Program License Serial Number 4029

 ***** HYDROGRAPH INFORMATION *****

From study/file name: sh5pr65.rte
 *****HYDROGRAPH DATA*****
 Number of intervals = 75
 Time interval = 5.0 (Min.)
 Maximum/Peak flow rate = 8.746 (CFS)
 Total volume = 1.126 (Ac.Ft)
 Status of hydrographs being held in storage
 Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
 Peak (CFS) 0.000 0.000 0.000 0.000 0.000
 Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
 Process from Point/Station 10.000 to Point/Station 11.000
 **** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 75
 Hydrograph time unit = 5.000 (Min.)
 Initial depth in storage basin = 0.00 (Ft.)

Initial basin depth = 0.00 (Ft.)
 Initial basin storage = 0.00 (Ac.Ft)
 Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.360	0.320	0.359	0.361
2.000	0.810	0.460	0.808	0.812
3.000	1.310	0.680	1.308	1.312
4.000	1.860	0.880	1.857	1.863
5.000	2.470	6.320	2.448	2.492
6.000	3.140	16.140	3.084	3.196

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Glen Ivy Senior Living

ATTACHMENT D – Detention Basin Routing

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	2.2	4.37	6.56	8.75	Depth (Ft.)
0.083	0.36	0.00	0.001	O I					0.00
0.167	0.78	0.00	0.005	O I					0.01
0.250	0.92	0.01	0.011	O I					0.03
0.333	0.96	0.02	0.017	O I					0.05
0.417	0.97	0.02	0.024	O I					0.07
0.500	1.04	0.03	0.031	O I					0.09
0.583	1.11	0.03	0.038	O I					0.11
0.667	1.12	0.04	0.045	O I					0.13
0.750	1.13	0.05	0.053	O I					0.15
0.833	1.13	0.05	0.060	O I					0.17
0.917	1.13	0.06	0.068	O I					0.19
1.000	1.20	0.07	0.075	O I					0.21
1.083	1.27	0.07	0.083	O I					0.23
1.167	1.29	0.08	0.091	O I					0.25
1.250	1.29	0.09	0.100	O I					0.28
1.333	1.29	0.10	0.108	O I					0.30
1.417	1.29	0.10	0.116	O I					0.32
1.500	1.29	0.11	0.124	O I					0.35
1.583	1.29	0.12	0.132	O I					0.37
1.667	1.29	0.12	0.141	O I					0.39
1.750	1.29	0.13	0.149	O I					0.41
1.833	1.29	0.14	0.157	O I					0.43
1.917	1.29	0.15	0.164	O I					0.46
2.000	1.36	0.15	0.173	O I					0.48
2.083	1.36	0.16	0.181	O I					0.50
2.167	1.38	0.17	0.189	O I					0.53
2.250	1.44	0.18	0.198	O I					0.55
2.333	1.45	0.18	0.206	O I					0.57
2.417	1.45	0.19	0.215	O I					0.60
2.500	1.45	0.20	0.224	O I					0.62
2.583	1.45	0.21	0.232	O I					0.65
2.667	1.45	0.21	0.241	O I					0.67
2.750	1.53	0.22	0.250	O I					0.69
2.833	1.59	0.23	0.259	O I					0.72
2.917	1.61	0.24	0.268	O I					0.75
3.000	1.61	0.25	0.278	O I					0.77
3.083	1.61	0.26	0.287	O I					0.80
3.167	1.69	0.26	0.297	O I					0.82
3.250	1.76	0.27	0.307	O I					0.85
3.333	1.77	0.28	0.317	O I					0.88
3.417	1.85	0.29	0.327	O I					0.91
3.500	1.99	0.30	0.339	O I					0.94
3.583	2.15	0.31	0.351	O I					0.97
3.667	2.23	0.32	0.364	O I					1.01
3.750	2.33	0.33	0.377	O I					1.04
3.833	2.40	0.33	0.391	O I					1.07
3.917	2.49	0.33	0.406	O I					1.10
4.000	2.56	0.34	0.421	O I					1.13
4.083	2.65	0.34	0.436	O I					1.17
4.167	2.80	0.35	0.453	O I					1.21
4.250	2.95	0.35	0.470	O I					1.24
4.333	3.11	0.36	0.489	O I					1.29
4.417	3.28	0.37	0.508	O I					1.33
4.500	3.36	0.37	0.528	O I					1.37
4.583	3.46	0.38	0.549	O I					1.42
4.667	3.60	0.39	0.571	O I					1.47
4.750	3.76	0.39	0.594	O I					1.52
4.833	3.85	0.40	0.617	O I					1.57
4.917	3.94	0.41	0.641	O I					1.62
5.000	4.09	0.42	0.666	O I					1.68
5.083	4.53	0.42	0.693	O I					1.74
5.167	5.31	0.43	0.724	O I			I		1.81
5.250	6.05	0.44	0.760	O I			I		1.89
5.333	6.68	0.46	0.801	O I			I		1.98
5.417	7.46	0.48	0.846	O I			I		2.07
5.500	8.75	0.50	0.898	O I			I	I	2.18
5.583	6.57	0.52	0.948	O I			I		2.28
5.667	3.12	0.53	0.977	O I		I			2.33
5.750	1.71	0.54	0.990	O I	I				2.36

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

5.833	1.02	0.54	0.996	IO I					2.37
5.917	0.70	0.54	0.998	IOI					2.38
6.000	0.46	0.54	0.998	IO					2.38
6.083	0.21	0.54	0.997	IO					2.37
6.167	0.05	0.54	0.994	IO					2.37
6.250	0.01	0.54	0.991	IO					2.36
6.333	0.00	0.54	0.987	IO					2.35
6.417	0.00	0.54	0.983	IO					2.35
6.500	0.00	0.53	0.980	IO					2.34
6.583	0.00	0.53	0.976	IO					2.33
6.667	0.00	0.53	0.972	IO					2.32
6.750	0.00	0.53	0.969	IO					2.32
6.833	0.00	0.53	0.965	IO					2.31
6.917	0.00	0.53	0.961	IO					2.30
7.000	0.00	0.52	0.958	IO					2.30
7.083	0.00	0.52	0.954	IO					2.29
7.167	0.00	0.52	0.950	IO					2.28
7.250	0.00	0.52	0.947	IO					2.27
7.333	0.00	0.52	0.943	IO					2.27
7.417	0.00	0.52	0.940	IO					2.26
7.500	0.00	0.52	0.936	IO					2.25
7.583	0.00	0.51	0.933	IO					2.25
7.667	0.00	0.51	0.929	IO					2.24
7.750	0.00	0.51	0.926	IO					2.23
7.833	0.00	0.51	0.922	IO					2.22
7.917	0.00	0.51	0.919	IO					2.22
8.000	0.00	0.51	0.915	IO					2.21
8.083	0.00	0.50	0.912	IO					2.20
8.167	0.00	0.50	0.908	IO					2.20
8.250	0.00	0.50	0.905	IO					2.19
8.333	0.00	0.50	0.901	IO					2.18
8.417	0.00	0.50	0.898	IO					2.18
8.500	0.00	0.50	0.894	IO					2.17
8.583	0.00	0.50	0.891	IO					2.16
8.667	0.00	0.49	0.888	IO					2.16
8.750	0.00	0.49	0.884	IO					2.15
8.833	0.00	0.49	0.881	IO					2.14
8.917	0.00	0.49	0.877	IO					2.13
9.000	0.00	0.49	0.874	IO					2.13
9.083	0.00	0.49	0.871	IO					2.12
9.167	0.00	0.49	0.867	IO					2.11
9.250	0.00	0.48	0.864	IO					2.11
9.333	0.00	0.48	0.861	IO					2.10
9.417	0.00	0.48	0.857	IO					2.09
9.500	0.00	0.48	0.854	IO					2.09
9.583	0.00	0.48	0.851	IO					2.08
9.667	0.00	0.48	0.847	IO					2.07
9.750	0.00	0.48	0.844	IO					2.07
9.833	0.00	0.47	0.841	IO					2.06
9.917	0.00	0.47	0.838	IO					2.06
10.000	0.00	0.47	0.834	IO					2.05
10.083	0.00	0.47	0.831	IO					2.04
10.167	0.00	0.47	0.828	IO					2.04
10.250	0.00	0.47	0.825	IO					2.03
10.333	0.00	0.47	0.821	IO					2.02
10.417	0.00	0.46	0.818	IO					2.02
10.500	0.00	0.46	0.815	IO					2.01
10.583	0.00	0.46	0.812	IO					2.00
10.667	0.00	0.46	0.809	IO					2.00
10.750	0.00	0.46	0.806	IO					1.99
10.833	0.00	0.46	0.802	IO					1.98
10.917	0.00	0.46	0.799	IO					1.98
11.000	0.00	0.46	0.796	IO					1.97
11.083	0.00	0.45	0.793	IO					1.96
11.167	0.00	0.45	0.790	IO					1.96
11.250	0.00	0.45	0.787	IO					1.95
11.333	0.00	0.45	0.784	IO					1.94
11.417	0.00	0.45	0.781	IO					1.93
11.500	0.00	0.45	0.777	IO					1.93
11.583	0.00	0.45	0.774	IO					1.92
11.667	0.00	0.45	0.771	IO					1.91
11.750	0.00	0.45	0.768	IO					1.91

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

11.833	0.00	0.45	0.765	IO					1.90
11.917	0.00	0.45	0.762	IO					1.89
12.000	0.00	0.44	0.759	IO					1.89
12.083	0.00	0.44	0.756	IO					1.88
12.167	0.00	0.44	0.753	IO					1.87
12.250	0.00	0.44	0.750	IO					1.87
12.333	0.00	0.44	0.747	IO					1.86
12.417	0.00	0.44	0.744	IO					1.85
12.500	0.00	0.44	0.741	IO					1.85
12.583	0.00	0.44	0.738	IO					1.84
12.667	0.00	0.44	0.735	IO					1.83
12.750	0.00	0.44	0.732	IO					1.83
12.833	0.00	0.43	0.729	IO					1.82
12.917	0.00	0.43	0.726	IO					1.81
13.000	0.00	0.43	0.723	IO					1.81
13.083	0.00	0.43	0.720	IO					1.80
13.167	0.00	0.43	0.717	IO					1.79
13.250	0.00	0.43	0.714	IO					1.79
13.333	0.00	0.43	0.711	IO					1.78
13.417	0.00	0.43	0.708	IO					1.77
13.500	0.00	0.43	0.705	IO					1.77
13.583	0.00	0.43	0.702	IO					1.76
13.667	0.00	0.43	0.699	IO					1.75
13.750	0.00	0.42	0.696	IO					1.75
13.833	0.00	0.42	0.693	IO					1.74
13.917	0.00	0.42	0.690	IO					1.73
14.000	0.00	0.42	0.687	IO					1.73
14.083	0.00	0.42	0.685	IO					1.72
14.167	0.00	0.42	0.682	IO					1.71
14.250	0.00	0.42	0.679	IO					1.71
14.333	0.00	0.42	0.676	IO					1.70
14.417	0.00	0.42	0.673	IO					1.70
14.500	0.00	0.42	0.670	IO					1.69
14.583	0.00	0.42	0.667	IO					1.68
14.667	0.00	0.41	0.664	IO					1.68
14.750	0.00	0.41	0.662	IO					1.67
14.833	0.00	0.41	0.659	IO					1.66
14.917	0.00	0.41	0.656	IO					1.66
15.000	0.00	0.41	0.653	IO					1.65
15.083	0.00	0.41	0.650	IO					1.64
15.167	0.00	0.41	0.647	IO					1.64
15.250	0.00	0.41	0.645	IO					1.63
15.333	0.00	0.41	0.642	IO					1.63
15.417	0.00	0.41	0.639	IO					1.62
15.500	0.00	0.41	0.636	IO					1.61
15.583	0.00	0.41	0.633	IO					1.61
15.667	0.00	0.40	0.631	IO					1.60
15.750	0.00	0.40	0.628	IO					1.59
15.833	0.00	0.40	0.625	IO					1.59
15.917	0.00	0.40	0.622	IO					1.58
16.000	0.00	0.40	0.619	IO					1.58
16.083	0.00	0.40	0.617	IO					1.57
16.167	0.00	0.40	0.614	IO					1.56
16.250	0.00	0.40	0.611	IO					1.56
16.333	0.00	0.40	0.608	IO					1.55
16.417	0.00	0.40	0.606	IO					1.55
16.500	0.00	0.40	0.603	IO					1.54
16.583	0.00	0.39	0.600	IO					1.53
16.667	0.00	0.39	0.598	IO					1.53
16.750	0.00	0.39	0.595	IO					1.52
16.833	0.00	0.39	0.592	IO					1.52
16.917	0.00	0.39	0.589	IO					1.51
17.000	0.00	0.39	0.587	IO					1.50
17.083	0.00	0.39	0.584	IO					1.50
17.167	0.00	0.39	0.581	IO					1.49
17.250	0.00	0.39	0.579	IO					1.49
17.333	0.00	0.39	0.576	IO					1.48
17.417	0.00	0.39	0.573	IO					1.47
17.500	0.00	0.39	0.571	IO					1.47
17.583	0.00	0.38	0.568	IO					1.46
17.667	0.00	0.38	0.565	IO					1.46
17.750	0.00	0.38	0.563	IO					1.45

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

17.833	0.00	0.38	0.560	IO					1.44
17.917	0.00	0.38	0.558	IO					1.44
18.000	0.00	0.38	0.555	IO					1.43
18.083	0.00	0.38	0.552	IO					1.43
18.167	0.00	0.38	0.550	IO					1.42
18.250	0.00	0.38	0.547	IO					1.42
18.333	0.00	0.38	0.544	IO					1.41
18.417	0.00	0.38	0.542	IO					1.40
18.500	0.00	0.38	0.539	IO					1.40
18.583	0.00	0.37	0.537	IO					1.39
18.667	0.00	0.37	0.534	IO					1.39
18.750	0.00	0.37	0.532	IO					1.38
18.833	0.00	0.37	0.529	IO					1.38
18.917	0.00	0.37	0.526	IO					1.37
19.000	0.00	0.37	0.524	IO					1.36
19.083	0.00	0.37	0.521	IO					1.36
19.167	0.00	0.37	0.519	IO					1.35
19.250	0.00	0.37	0.516	IO					1.35
19.333	0.00	0.37	0.514	IO					1.34
19.417	0.00	0.37	0.511	IO					1.34
19.500	0.00	0.37	0.509	IO					1.33
19.583	0.00	0.37	0.506	IO					1.32
19.667	0.00	0.36	0.504	IO					1.32
19.750	0.00	0.36	0.501	IO					1.31
19.833	0.00	0.36	0.499	IO					1.31
19.917	0.00	0.36	0.496	IO					1.30
20.000	0.00	0.36	0.494	IO					1.30
20.083	0.00	0.36	0.491	IO					1.29
20.167	0.00	0.36	0.489	IO					1.29
20.250	0.00	0.36	0.486	IO					1.28
20.333	0.00	0.36	0.484	IO					1.27
20.417	0.00	0.36	0.481	IO					1.27
20.500	0.00	0.36	0.479	IO					1.26
20.583	0.00	0.36	0.476	IO					1.26
20.667	0.00	0.36	0.474	IO					1.25
20.750	0.00	0.35	0.471	IO					1.25
20.833	0.00	0.35	0.469	IO					1.24
20.917	0.00	0.35	0.466	IO					1.24
21.000	0.00	0.35	0.464	IO					1.23
21.083	0.00	0.35	0.462	IO					1.23
21.167	0.00	0.35	0.459	IO					1.22
21.250	0.00	0.35	0.457	IO					1.22
21.333	0.00	0.35	0.454	IO					1.21
21.417	0.00	0.35	0.452	IO					1.20
21.500	0.00	0.35	0.450	IO					1.20
21.583	0.00	0.35	0.447	IO					1.19
21.667	0.00	0.35	0.445	IO					1.19
21.750	0.00	0.35	0.442	IO					1.18
21.833	0.00	0.34	0.440	IO					1.18
21.917	0.00	0.34	0.438	IO					1.17
22.000	0.00	0.34	0.435	IO					1.17
22.083	0.00	0.34	0.433	IO					1.16
22.167	0.00	0.34	0.431	IO					1.16
22.250	0.00	0.34	0.428	IO					1.15
22.333	0.00	0.34	0.426	IO					1.15
22.417	0.00	0.34	0.424	IO					1.14
22.500	0.00	0.34	0.421	IO					1.14
22.583	0.00	0.34	0.419	IO					1.13
22.667	0.00	0.34	0.417	IO					1.13
22.750	0.00	0.34	0.414	IO					1.12
22.833	0.00	0.34	0.412	IO					1.12
22.917	0.00	0.34	0.410	IO					1.11
23.000	0.00	0.33	0.407	IO					1.11
23.083	0.00	0.33	0.405	IO					1.10
23.167	0.00	0.33	0.403	IO					1.09
23.250	0.00	0.33	0.400	IO					1.09
23.333	0.00	0.33	0.398	IO					1.08
23.417	0.00	0.33	0.396	IO					1.08
23.500	0.00	0.33	0.394	IO					1.07
23.583	0.00	0.33	0.391	IO					1.07
23.667	0.00	0.33	0.389	IO					1.06
23.750	0.00	0.33	0.387	IO					1.06

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

23.833	0.00	0.33	0.384	IO					1.05
23.917	0.00	0.33	0.382	IO					1.05
24.000	0.00	0.33	0.380	IO					1.04
24.083	0.00	0.33	0.378	IO					1.04
24.167	0.00	0.32	0.375	IO					1.03
24.250	0.00	0.32	0.373	IO					1.03
24.333	0.00	0.32	0.371	IO					1.02
24.417	0.00	0.32	0.369	IO					1.02
24.500	0.00	0.32	0.367	IO					1.01
24.583	0.00	0.32	0.364	IO					1.01
24.667	0.00	0.32	0.362	IO					1.00
24.750	0.00	0.32	0.360	IO					1.00
24.833	0.00	0.32	0.358	IO					0.99
24.917	0.00	0.32	0.356	IO					0.99
25.000	0.00	0.31	0.353	IO					0.98
25.083	0.00	0.31	0.351	IO					0.98
25.167	0.00	0.31	0.349	IO					0.97
25.250	0.00	0.31	0.347	IO					0.96
25.333	0.00	0.31	0.345	IO					0.96
25.417	0.00	0.30	0.343	IO					0.95
25.500	0.00	0.30	0.341	IO					0.95
25.583	0.00	0.30	0.339	IO					0.94
25.667	0.00	0.30	0.337	IO					0.93
25.750	0.00	0.30	0.334	IO					0.93
25.833	0.00	0.30	0.332	IO					0.92
25.917	0.00	0.29	0.330	IO					0.92
26.000	0.00	0.29	0.328	IO					0.91
26.083	0.00	0.29	0.326	IO					0.91
26.167	0.00	0.29	0.324	IO					0.90
26.250	0.00	0.29	0.322	IO					0.90
26.333	0.00	0.28	0.320	IO					0.89
26.417	0.00	0.28	0.318	IO					0.88
26.500	0.00	0.28	0.317	IO					0.88
26.583	0.00	0.28	0.315	IO					0.87
26.667	0.00	0.28	0.313	IO					0.87
26.750	0.00	0.28	0.311	IO					0.86
26.833	0.00	0.27	0.309	IO					0.86
26.917	0.00	0.27	0.307	O					0.85
27.000	0.00	0.27	0.305	O					0.85
27.083	0.00	0.27	0.303	O					0.84
27.167	0.00	0.27	0.301	O					0.84
27.250	0.00	0.27	0.300	O					0.83
27.333	0.00	0.26	0.298	O					0.83
27.417	0.00	0.26	0.296	O					0.82
27.500	0.00	0.26	0.294	O					0.82
27.583	0.00	0.26	0.292	O					0.81
27.667	0.00	0.26	0.291	O					0.81
27.750	0.00	0.26	0.289	O					0.80
27.833	0.00	0.26	0.287	O					0.80
27.917	0.00	0.25	0.285	O					0.79
28.000	0.00	0.25	0.284	O					0.79
28.083	0.00	0.25	0.282	O					0.78
28.167	0.00	0.25	0.280	O					0.78
28.250	0.00	0.25	0.278	O					0.77
28.333	0.00	0.25	0.277	O					0.77
28.417	0.00	0.24	0.275	O					0.76
28.500	0.00	0.24	0.273	O					0.76
28.583	0.00	0.24	0.272	O					0.75
28.667	0.00	0.24	0.270	O					0.75
28.750	0.00	0.24	0.268	O					0.75
28.833	0.00	0.24	0.267	O					0.74
28.917	0.00	0.24	0.265	O					0.74
29.000	0.00	0.23	0.263	O					0.73
29.083	0.00	0.23	0.262	O					0.73
29.167	0.00	0.23	0.260	O					0.72
29.250	0.00	0.23	0.259	O					0.72
29.333	0.00	0.23	0.257	O					0.71
29.417	0.00	0.23	0.255	O					0.71
29.500	0.00	0.23	0.254	O					0.71
29.583	0.00	0.22	0.252	O					0.70
29.667	0.00	0.22	0.251	O					0.70
29.750	0.00	0.22	0.249	O					0.69

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

29.833	0.00	0.22	0.248	0					0.69
29.917	0.00	0.22	0.246	0					0.68
30.000	0.00	0.22	0.245	0					0.68
30.083	0.00	0.22	0.243	0					0.68
30.167	0.00	0.21	0.242	0					0.67
30.250	0.00	0.21	0.240	0					0.67
30.333	0.00	0.21	0.239	0					0.66
30.417	0.00	0.21	0.237	0					0.66
30.500	0.00	0.21	0.236	0					0.66
30.583	0.00	0.21	0.234	0					0.65
30.667	0.00	0.21	0.233	0					0.65
30.750	0.00	0.21	0.232	0					0.64
30.833	0.00	0.20	0.230	0					0.64
30.917	0.00	0.20	0.229	0					0.64
31.000	0.00	0.20	0.227	0					0.63
31.083	0.00	0.20	0.226	0					0.63
31.167	0.00	0.20	0.225	0					0.62
31.250	0.00	0.20	0.223	0					0.62
31.333	0.00	0.20	0.222	0					0.62
31.417	0.00	0.20	0.221	0					0.61
31.500	0.00	0.19	0.219	0					0.61
31.583	0.00	0.19	0.218	0					0.61
31.667	0.00	0.19	0.217	0					0.60
31.750	0.00	0.19	0.215	0					0.60
31.833	0.00	0.19	0.214	0					0.59
31.917	0.00	0.19	0.213	0					0.59
32.000	0.00	0.19	0.211	0					0.59
32.083	0.00	0.19	0.210	0					0.58
32.167	0.00	0.19	0.209	0					0.58
32.250	0.00	0.18	0.207	0					0.58
32.333	0.00	0.18	0.206	0					0.57
32.417	0.00	0.18	0.205	0					0.57
32.500	0.00	0.18	0.204	0					0.57
32.583	0.00	0.18	0.202	0					0.56
32.667	0.00	0.18	0.201	0					0.56
32.750	0.00	0.18	0.200	0					0.56
32.833	0.00	0.18	0.199	0					0.55
32.917	0.00	0.18	0.198	0					0.55
33.000	0.00	0.17	0.196	0					0.55
33.083	0.00	0.17	0.195	0					0.54
33.167	0.00	0.17	0.194	0					0.54
33.250	0.00	0.17	0.193	0					0.54
33.333	0.00	0.17	0.192	0					0.53
33.417	0.00	0.17	0.190	0					0.53
33.500	0.00	0.17	0.189	0					0.53
33.583	0.00	0.17	0.188	0					0.52
33.667	0.00	0.17	0.187	0					0.52
33.750	0.00	0.17	0.186	0					0.52
33.833	0.00	0.16	0.185	0					0.51
33.917	0.00	0.16	0.184	0					0.51
34.000	0.00	0.16	0.182	0					0.51
34.083	0.00	0.16	0.181	0					0.50
34.167	0.00	0.16	0.180	0					0.50
34.250	0.00	0.16	0.179	0					0.50
34.333	0.00	0.16	0.178	0					0.49
34.417	0.00	0.16	0.177	0					0.49
34.500	0.00	0.16	0.176	0					0.49
34.583	0.00	0.16	0.175	0					0.49
34.667	0.00	0.15	0.174	0					0.48
34.750	0.00	0.15	0.173	0					0.48
34.833	0.00	0.15	0.172	0					0.48
34.917	0.00	0.15	0.171	0					0.47
35.000	0.00	0.15	0.170	0					0.47
35.083	0.00	0.15	0.168	0					0.47
35.167	0.00	0.15	0.167	0					0.47
35.250	0.00	0.15	0.166	0					0.46
35.333	0.00	0.15	0.165	0					0.46
35.417	0.00	0.15	0.164	0					0.46
35.500	0.00	0.15	0.163	0					0.45
35.583	0.00	0.14	0.162	0					0.45
35.667	0.00	0.14	0.161	0					0.45
35.750	0.00	0.14	0.160	0					0.45

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

35.833	0.00	0.14	0.159	0					0.44
35.917	0.00	0.14	0.158	0					0.44
36.000	0.00	0.14	0.158	0					0.44
36.083	0.00	0.14	0.157	0					0.43
36.167	0.00	0.14	0.156	0					0.43
36.250	0.00	0.14	0.155	0					0.43
36.333	0.00	0.14	0.154	0					0.43
36.417	0.00	0.14	0.153	0					0.42
36.500	0.00	0.13	0.152	0					0.42
36.583	0.00	0.13	0.151	0					0.42
36.667	0.00	0.13	0.150	0					0.42
36.750	0.00	0.13	0.149	0					0.41
36.833	0.00	0.13	0.148	0					0.41
36.917	0.00	0.13	0.147	0					0.41
37.000	0.00	0.13	0.146	0					0.41
37.083	0.00	0.13	0.145	0					0.40
37.167	0.00	0.13	0.145	0					0.40
37.250	0.00	0.13	0.144	0					0.40
37.333	0.00	0.13	0.143	0					0.40
37.417	0.00	0.13	0.142	0					0.39
37.500	0.00	0.13	0.141	0					0.39
37.583	0.00	0.12	0.140	0					0.39
37.667	0.00	0.12	0.139	0					0.39
37.750	0.00	0.12	0.139	0					0.38
37.833	0.00	0.12	0.138	0					0.38
37.917	0.00	0.12	0.137	0					0.38
38.000	0.00	0.12	0.136	0					0.38
38.083	0.00	0.12	0.135	0					0.38
38.167	0.00	0.12	0.134	0					0.37
38.250	0.00	0.12	0.134	0					0.37
38.333	0.00	0.12	0.133	0					0.37
38.417	0.00	0.12	0.132	0					0.37
38.500	0.00	0.12	0.131	0					0.36
38.583	0.00	0.12	0.130	0					0.36
38.667	0.00	0.12	0.129	0					0.36
38.750	0.00	0.11	0.129	0					0.36
38.833	0.00	0.11	0.128	0					0.36
38.917	0.00	0.11	0.127	0					0.35
39.000	0.00	0.11	0.126	0					0.35
39.083	0.00	0.11	0.126	0					0.35
39.167	0.00	0.11	0.125	0					0.35
39.250	0.00	0.11	0.124	0					0.34
39.333	0.00	0.11	0.123	0					0.34
39.417	0.00	0.11	0.123	0					0.34
39.500	0.00	0.11	0.122	0					0.34
39.583	0.00	0.11	0.121	0					0.34
39.667	0.00	0.11	0.120	0					0.33
39.750	0.00	0.11	0.120	0					0.33
39.833	0.00	0.11	0.119	0					0.33
39.917	0.00	0.11	0.118	0					0.33
40.000	0.00	0.10	0.117	0					0.33
40.083	0.00	0.10	0.117	0					0.32
40.167	0.00	0.10	0.116	0					0.32
40.250	0.00	0.10	0.115	0					0.32
40.333	0.00	0.10	0.115	0					0.32
40.417	0.00	0.10	0.114	0					0.32
40.500	0.00	0.10	0.113	0					0.31
40.583	0.00	0.10	0.112	0					0.31
40.667	0.00	0.10	0.112	0					0.31
40.750	0.00	0.10	0.111	0					0.31
40.833	0.00	0.10	0.110	0					0.31
40.917	0.00	0.10	0.110	0					0.30
41.000	0.00	0.10	0.109	0					0.30
41.083	0.00	0.10	0.108	0					0.30
41.167	0.00	0.10	0.108	0					0.30
41.250	0.00	0.10	0.107	0					0.30
41.333	0.00	0.09	0.106	0					0.30
41.417	0.00	0.09	0.106	0					0.29
41.500	0.00	0.09	0.105	0					0.29
41.583	0.00	0.09	0.105	0					0.29
41.667	0.00	0.09	0.104	0					0.29
41.750	0.00	0.09	0.103	0					0.29

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

41.833	0.00	0.09	0.103	0					0.29
41.917	0.00	0.09	0.102	0					0.28
42.000	0.00	0.09	0.101	0					0.28
42.083	0.00	0.09	0.101	0					0.28
42.167	0.00	0.09	0.100	0					0.28
42.250	0.00	0.09	0.100	0					0.28
42.333	0.00	0.09	0.099	0					0.27
42.417	0.00	0.09	0.098	0					0.27
42.500	0.00	0.09	0.098	0					0.27
42.583	0.00	0.09	0.097	0					0.27
42.667	0.00	0.09	0.097	0					0.27
42.750	0.00	0.09	0.096	0					0.27
42.833	0.00	0.08	0.095	0					0.26
42.917	0.00	0.08	0.095	0					0.26
43.000	0.00	0.08	0.094	0					0.26
43.083	0.00	0.08	0.094	0					0.26
43.167	0.00	0.08	0.093	0					0.26
43.250	0.00	0.08	0.092	0					0.26
43.333	0.00	0.08	0.092	0					0.26
43.417	0.00	0.08	0.091	0					0.25
43.500	0.00	0.08	0.091	0					0.25
43.583	0.00	0.08	0.090	0					0.25
43.667	0.00	0.08	0.090	0					0.25
43.750	0.00	0.08	0.089	0					0.25
43.833	0.00	0.08	0.089	0					0.25
43.917	0.00	0.08	0.088	0					0.24
44.000	0.00	0.08	0.088	0					0.24
44.083	0.00	0.08	0.087	0					0.24
44.167	0.00	0.08	0.086	0					0.24
44.250	0.00	0.08	0.086	0					0.24
44.333	0.00	0.08	0.085	0					0.24
44.417	0.00	0.08	0.085	0					0.24
44.500	0.00	0.07	0.084	0					0.23
44.583	0.00	0.07	0.084	0					0.23
44.667	0.00	0.07	0.083	0					0.23
44.750	0.00	0.07	0.083	0					0.23
44.833	0.00	0.07	0.082	0					0.23
44.917	0.00	0.07	0.082	0					0.23
45.000	0.00	0.07	0.081	0					0.23
45.083	0.00	0.07	0.081	0					0.22
45.167	0.00	0.07	0.080	0					0.22
45.250	0.00	0.07	0.080	0					0.22
45.333	0.00	0.07	0.079	0					0.22
45.417	0.00	0.07	0.079	0					0.22
45.500	0.00	0.07	0.078	0					0.22
45.583	0.00	0.07	0.078	0					0.22
45.667	0.00	0.07	0.077	0					0.22
45.750	0.00	0.07	0.077	0					0.21
45.833	0.00	0.07	0.076	0					0.21
45.917	0.00	0.07	0.076	0					0.21
46.000	0.00	0.07	0.076	0					0.21
46.083	0.00	0.07	0.075	0					0.21
46.167	0.00	0.07	0.075	0					0.21
46.250	0.00	0.07	0.074	0					0.21
46.333	0.00	0.07	0.074	0					0.20
46.417	0.00	0.07	0.073	0					0.20
46.500	0.00	0.06	0.073	0					0.20
46.583	0.00	0.06	0.072	0					0.20
46.667	0.00	0.06	0.072	0					0.20
46.750	0.00	0.06	0.072	0					0.20
46.833	0.00	0.06	0.071	0					0.20
46.917	0.00	0.06	0.071	0					0.20
47.000	0.00	0.06	0.070	0					0.20
47.083	0.00	0.06	0.070	0					0.19
47.167	0.00	0.06	0.069	0					0.19
47.250	0.00	0.06	0.069	0					0.19
47.333	0.00	0.06	0.069	0					0.19
47.417	0.00	0.06	0.068	0					0.19
47.500	0.00	0.06	0.068	0					0.19
47.583	0.00	0.06	0.067	0					0.19
47.667	0.00	0.06	0.067	0					0.19
47.750	0.00	0.06	0.066	0					0.18

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

47.833	0.00	0.06	0.066	0					0.18
47.917	0.00	0.06	0.066	0					0.18
48.000	0.00	0.06	0.065	0					0.18
48.083	0.00	0.06	0.065	0					0.18
48.167	0.00	0.06	0.064	0					0.18
48.250	0.00	0.06	0.064	0					0.18
48.333	0.00	0.06	0.064	0					0.18
48.417	0.00	0.06	0.063	0					0.18
48.500	0.00	0.06	0.063	0					0.17
48.583	0.00	0.06	0.062	0					0.17
48.667	0.00	0.06	0.062	0					0.17
48.750	0.00	0.05	0.062	0					0.17
48.833	0.00	0.05	0.061	0					0.17
48.917	0.00	0.05	0.061	0					0.17
49.000	0.00	0.05	0.061	0					0.17
49.083	0.00	0.05	0.060	0					0.17
49.167	0.00	0.05	0.060	0					0.17
49.250	0.00	0.05	0.060	0					0.17
49.333	0.00	0.05	0.059	0					0.16
49.417	0.00	0.05	0.059	0					0.16
49.500	0.00	0.05	0.058	0					0.16
49.583	0.00	0.05	0.058	0					0.16
49.667	0.00	0.05	0.058	0					0.16
49.750	0.00	0.05	0.057	0					0.16
49.833	0.00	0.05	0.057	0					0.16
49.917	0.00	0.05	0.057	0					0.16
50.000	0.00	0.05	0.056	0					0.16
50.083	0.00	0.05	0.056	0					0.16
50.167	0.00	0.05	0.056	0					0.15
50.250	0.00	0.05	0.055	0					0.15
50.333	0.00	0.05	0.055	0					0.15
50.417	0.00	0.05	0.055	0					0.15
50.500	0.00	0.05	0.054	0					0.15
50.583	0.00	0.05	0.054	0					0.15
50.667	0.00	0.05	0.054	0					0.15
50.750	0.00	0.05	0.053	0					0.15
50.833	0.00	0.05	0.053	0					0.15
50.917	0.00	0.05	0.053	0					0.15
51.000	0.00	0.05	0.052	0					0.15
51.083	0.00	0.05	0.052	0					0.14
51.167	0.00	0.05	0.052	0					0.14
51.250	0.00	0.05	0.051	0					0.14
51.333	0.00	0.05	0.051	0					0.14
51.417	0.00	0.05	0.051	0					0.14
51.500	0.00	0.04	0.050	0					0.14
51.583	0.00	0.04	0.050	0					0.14
51.667	0.00	0.04	0.050	0					0.14
51.750	0.00	0.04	0.050	0					0.14
51.833	0.00	0.04	0.049	0					0.14
51.917	0.00	0.04	0.049	0					0.14
52.000	0.00	0.04	0.049	0					0.14
52.083	0.00	0.04	0.048	0					0.13
52.167	0.00	0.04	0.048	0					0.13
52.250	0.00	0.04	0.048	0					0.13
52.333	0.00	0.04	0.047	0					0.13
52.417	0.00	0.04	0.047	0					0.13
52.500	0.00	0.04	0.047	0					0.13
52.583	0.00	0.04	0.047	0					0.13
52.667	0.00	0.04	0.046	0					0.13
52.750	0.00	0.04	0.046	0					0.13
52.833	0.00	0.04	0.046	0					0.13
52.917	0.00	0.04	0.045	0					0.13
53.000	0.00	0.04	0.045	0					0.13
53.083	0.00	0.04	0.045	0					0.12
53.167	0.00	0.04	0.045	0					0.12
53.250	0.00	0.04	0.044	0					0.12
53.333	0.00	0.04	0.044	0					0.12
53.417	0.00	0.04	0.044	0					0.12
53.500	0.00	0.04	0.044	0					0.12
53.583	0.00	0.04	0.043	0					0.12
53.667	0.00	0.04	0.043	0					0.12
53.750	0.00	0.04	0.043	0					0.12

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

53.833	0.00	0.04	0.042	0					0.12
53.917	0.00	0.04	0.042	0					0.12
54.000	0.00	0.04	0.042	0					0.12
54.083	0.00	0.04	0.042	0					0.12
54.167	0.00	0.04	0.041	0					0.12
54.250	0.00	0.04	0.041	0					0.11
54.333	0.00	0.04	0.041	0					0.11
54.417	0.00	0.04	0.041	0					0.11
54.500	0.00	0.04	0.040	0					0.11
54.583	0.00	0.04	0.040	0					0.11
54.667	0.00	0.04	0.040	0					0.11
54.750	0.00	0.04	0.040	0					0.11
54.833	0.00	0.04	0.039	0					0.11
54.917	0.00	0.03	0.039	0					0.11
55.000	0.00	0.03	0.039	0					0.11
55.083	0.00	0.03	0.039	0					0.11
55.167	0.00	0.03	0.039	0					0.11
55.250	0.00	0.03	0.038	0					0.11
55.333	0.00	0.03	0.038	0					0.11
55.417	0.00	0.03	0.038	0					0.11
55.500	0.00	0.03	0.038	0					0.10
55.583	0.00	0.03	0.037	0					0.10
55.667	0.00	0.03	0.037	0					0.10
55.750	0.00	0.03	0.037	0					0.10
55.833	0.00	0.03	0.037	0					0.10
55.917	0.00	0.03	0.036	0					0.10
56.000	0.00	0.03	0.036	0					0.10
56.083	0.00	0.03	0.036	0					0.10
56.167	0.00	0.03	0.036	0					0.10
56.250	0.00	0.03	0.036	0					0.10
56.333	0.00	0.03	0.035	0					0.10
56.417	0.00	0.03	0.035	0					0.10
56.500	0.00	0.03	0.035	0					0.10
56.583	0.00	0.03	0.035	0					0.10
56.667	0.00	0.03	0.035	0					0.10
56.750	0.00	0.03	0.034	0					0.10
56.833	0.00	0.03	0.034	0					0.09
56.917	0.00	0.03	0.034	0					0.09
57.000	0.00	0.03	0.034	0					0.09
57.083	0.00	0.03	0.033	0					0.09
57.167	0.00	0.03	0.033	0					0.09
57.250	0.00	0.03	0.033	0					0.09
57.333	0.00	0.03	0.033	0					0.09
57.417	0.00	0.03	0.033	0					0.09
57.500	0.00	0.03	0.032	0					0.09
57.583	0.00	0.03	0.032	0					0.09
57.667	0.00	0.03	0.032	0					0.09
57.750	0.00	0.03	0.032	0					0.09
57.833	0.00	0.03	0.032	0					0.09
57.917	0.00	0.03	0.031	0					0.09
58.000	0.00	0.03	0.031	0					0.09
58.083	0.00	0.03	0.031	0					0.09
58.167	0.00	0.03	0.031	0					0.09
58.250	0.00	0.03	0.031	0					0.09
58.333	0.00	0.03	0.031	0					0.08
58.417	0.00	0.03	0.030	0					0.08
58.500	0.00	0.03	0.030	0					0.08
58.583	0.00	0.03	0.030	0					0.08
58.667	0.00	0.03	0.030	0					0.08
58.750	0.00	0.03	0.030	0					0.08
58.833	0.00	0.03	0.029	0					0.08
58.917	0.00	0.03	0.029	0					0.08
59.000	0.00	0.03	0.029	0					0.08
59.083	0.00	0.03	0.029	0					0.08
59.167	0.00	0.03	0.029	0					0.08
59.250	0.00	0.03	0.029	0					0.08
59.333	0.00	0.03	0.028	0					0.08
59.417	0.00	0.03	0.028	0					0.08
59.500	0.00	0.02	0.028	0					0.08
59.583	0.00	0.02	0.028	0					0.08
59.667	0.00	0.02	0.028	0					0.08
59.750	0.00	0.02	0.028	0					0.08

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

59.833	0.00	0.02	0.027	0					0.08
59.917	0.00	0.02	0.027	0					0.08
60.000	0.00	0.02	0.027	0					0.08
60.083	0.00	0.02	0.027	0					0.07
60.167	0.00	0.02	0.027	0					0.07
60.250	0.00	0.02	0.027	0					0.07
60.333	0.00	0.02	0.026	0					0.07
60.417	0.00	0.02	0.026	0					0.07
60.500	0.00	0.02	0.026	0					0.07
60.583	0.00	0.02	0.026	0					0.07
60.667	0.00	0.02	0.026	0					0.07
60.750	0.00	0.02	0.026	0					0.07
60.833	0.00	0.02	0.025	0					0.07
60.917	0.00	0.02	0.025	0					0.07
61.000	0.00	0.02	0.025	0					0.07
61.083	0.00	0.02	0.025	0					0.07
61.167	0.00	0.02	0.025	0					0.07
61.250	0.00	0.02	0.025	0					0.07
61.333	0.00	0.02	0.024	0					0.07
61.417	0.00	0.02	0.024	0					0.07
61.500	0.00	0.02	0.024	0					0.07
61.583	0.00	0.02	0.024	0					0.07
61.667	0.00	0.02	0.024	0					0.07
61.750	0.00	0.02	0.024	0					0.07
61.833	0.00	0.02	0.024	0					0.07
61.917	0.00	0.02	0.023	0					0.07
62.000	0.00	0.02	0.023	0					0.06
62.083	0.00	0.02	0.023	0					0.06
62.167	0.00	0.02	0.023	0					0.06
62.250	0.00	0.02	0.023	0					0.06
62.333	0.00	0.02	0.023	0					0.06
62.417	0.00	0.02	0.023	0					0.06
62.500	0.00	0.02	0.022	0					0.06
62.583	0.00	0.02	0.022	0					0.06
62.667	0.00	0.02	0.022	0					0.06
62.750	0.00	0.02	0.022	0					0.06
62.833	0.00	0.02	0.022	0					0.06
62.917	0.00	0.02	0.022	0					0.06
63.000	0.00	0.02	0.022	0					0.06
63.083	0.00	0.02	0.022	0					0.06
63.167	0.00	0.02	0.021	0					0.06
63.250	0.00	0.02	0.021	0					0.06
63.333	0.00	0.02	0.021	0					0.06
63.417	0.00	0.02	0.021	0					0.06
63.500	0.00	0.02	0.021	0					0.06
63.583	0.00	0.02	0.021	0					0.06
63.667	0.00	0.02	0.021	0					0.06
63.750	0.00	0.02	0.021	0					0.06
63.833	0.00	0.02	0.020	0					0.06
63.917	0.00	0.02	0.020	0					0.06
64.000	0.00	0.02	0.020	0					0.06
64.083	0.00	0.02	0.020	0					0.06
64.167	0.00	0.02	0.020	0					0.06
64.250	0.00	0.02	0.020	0					0.05
64.333	0.00	0.02	0.020	0					0.05
64.417	0.00	0.02	0.020	0					0.05
64.500	0.00	0.02	0.019	0					0.05
64.583	0.00	0.02	0.019	0					0.05
64.667	0.00	0.02	0.019	0					0.05
64.750	0.00	0.02	0.019	0					0.05
64.833	0.00	0.02	0.019	0					0.05
64.917	0.00	0.02	0.019	0					0.05
65.000	0.00	0.02	0.019	0					0.05
65.083	0.00	0.02	0.019	0					0.05
65.167	0.00	0.02	0.018	0					0.05
65.250	0.00	0.02	0.018	0					0.05
65.333	0.00	0.02	0.018	0					0.05
65.417	0.00	0.02	0.018	0					0.05
65.500	0.00	0.02	0.018	0					0.05
65.583	0.00	0.02	0.018	0					0.05
65.667	0.00	0.02	0.018	0					0.05
65.750	0.00	0.02	0.018	0					0.05

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

65.833	0.00	0.02	0.018	0					0.05
65.917	0.00	0.02	0.017	0					0.05
66.000	0.00	0.02	0.017	0					0.05
66.083	0.00	0.02	0.017	0					0.05
66.167	0.00	0.02	0.017	0					0.05
66.250	0.00	0.02	0.017	0					0.05
66.333	0.00	0.02	0.017	0					0.05
66.417	0.00	0.01	0.017	0					0.05
66.500	0.00	0.01	0.017	0					0.05
66.583	0.00	0.01	0.017	0					0.05
66.667	0.00	0.01	0.017	0					0.05
66.750	0.00	0.01	0.016	0					0.05
66.833	0.00	0.01	0.016	0					0.05
66.917	0.00	0.01	0.016	0					0.05
67.000	0.00	0.01	0.016	0					0.04
67.083	0.00	0.01	0.016	0					0.04
67.167	0.00	0.01	0.016	0					0.04
67.250	0.00	0.01	0.016	0					0.04
67.333	0.00	0.01	0.016	0					0.04
67.417	0.00	0.01	0.016	0					0.04
67.500	0.00	0.01	0.016	0					0.04
67.583	0.00	0.01	0.015	0					0.04
67.667	0.00	0.01	0.015	0					0.04
67.750	0.00	0.01	0.015	0					0.04
67.833	0.00	0.01	0.015	0					0.04
67.917	0.00	0.01	0.015	0					0.04
68.000	0.00	0.01	0.015	0					0.04
68.083	0.00	0.01	0.015	0					0.04
68.167	0.00	0.01	0.015	0					0.04
68.250	0.00	0.01	0.015	0					0.04
68.333	0.00	0.01	0.015	0					0.04
68.417	0.00	0.01	0.015	0					0.04
68.500	0.00	0.01	0.014	0					0.04
68.583	0.00	0.01	0.014	0					0.04
68.667	0.00	0.01	0.014	0					0.04
68.750	0.00	0.01	0.014	0					0.04
68.833	0.00	0.01	0.014	0					0.04
68.917	0.00	0.01	0.014	0					0.04
69.000	0.00	0.01	0.014	0					0.04
69.083	0.00	0.01	0.014	0					0.04
69.167	0.00	0.01	0.014	0					0.04
69.250	0.00	0.01	0.014	0					0.04
69.333	0.00	0.01	0.014	0					0.04
69.417	0.00	0.01	0.014	0					0.04
69.500	0.00	0.01	0.013	0					0.04
69.583	0.00	0.01	0.013	0					0.04
69.667	0.00	0.01	0.013	0					0.04
69.750	0.00	0.01	0.013	0					0.04
69.833	0.00	0.01	0.013	0					0.04
69.917	0.00	0.01	0.013	0					0.04
70.000	0.00	0.01	0.013	0					0.04
70.083	0.00	0.01	0.013	0					0.04
70.167	0.00	0.01	0.013	0					0.04
70.250	0.00	0.01	0.013	0					0.04
70.333	0.00	0.01	0.013	0					0.04
70.417	0.00	0.01	0.013	0					0.03
70.500	0.00	0.01	0.012	0					0.03
70.583	0.00	0.01	0.012	0					0.03
70.667	0.00	0.01	0.012	0					0.03
70.750	0.00	0.01	0.012	0					0.03
70.833	0.00	0.01	0.012	0					0.03
70.917	0.00	0.01	0.012	0					0.03
71.000	0.00	0.01	0.012	0					0.03
71.083	0.00	0.01	0.012	0					0.03
71.167	0.00	0.01	0.012	0					0.03
71.250	0.00	0.01	0.012	0					0.03
71.333	0.00	0.01	0.012	0					0.03
71.417	0.00	0.01	0.012	0					0.03
71.500	0.00	0.01	0.012	0					0.03
71.583	0.00	0.01	0.012	0					0.03
71.667	0.00	0.01	0.011	0					0.03
71.750	0.00	0.01	0.011	0					0.03

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

71.833	0.00	0.01	0.011	0					0.03
71.917	0.00	0.01	0.011	0					0.03
72.000	0.00	0.01	0.011	0					0.03
72.083	0.00	0.01	0.011	0					0.03
72.167	0.00	0.01	0.011	0					0.03
72.250	0.00	0.01	0.011	0					0.03
72.333	0.00	0.01	0.011	0					0.03
72.417	0.00	0.01	0.011	0					0.03
72.500	0.00	0.01	0.011	0					0.03
72.583	0.00	0.01	0.011	0					0.03
72.667	0.00	0.01	0.011	0					0.03
72.750	0.00	0.01	0.011	0					0.03
72.833	0.00	0.01	0.011	0					0.03
72.917	0.00	0.01	0.010	0					0.03
73.000	0.00	0.01	0.010	0					0.03
73.083	0.00	0.01	0.010	0					0.03
73.167	0.00	0.01	0.010	0					0.03
73.250	0.00	0.01	0.010	0					0.03
73.333	0.00	0.01	0.010	0					0.03
73.417	0.00	0.01	0.010	0					0.03
73.500	0.00	0.01	0.010	0					0.03
73.583	0.00	0.01	0.010	0					0.03
73.667	0.00	0.01	0.010	0					0.03
73.750	0.00	0.01	0.010	0					0.03
73.833	0.00	0.01	0.010	0					0.03
73.917	0.00	0.01	0.010	0					0.03
74.000	0.00	0.01	0.010	0					0.03
74.083	0.00	0.01	0.010	0					0.03
74.167	0.00	0.01	0.010	0					0.03
74.250	0.00	0.01	0.009	0					0.03
74.333	0.00	0.01	0.009	0					0.03
74.417	0.00	0.01	0.009	0					0.03
74.500	0.00	0.01	0.009	0					0.03
74.583	0.00	0.01	0.009	0					0.03
74.667	0.00	0.01	0.009	0					0.03
74.750	0.00	0.01	0.009	0					0.03
74.833	0.00	0.01	0.009	0					0.03
74.917	0.00	0.01	0.009	0					0.03
75.000	0.00	0.01	0.009	0					0.02
75.083	0.00	0.01	0.009	0					0.02
75.167	0.00	0.01	0.009	0					0.02
75.250	0.00	0.01	0.009	0					0.02
75.333	0.00	0.01	0.009	0					0.02
75.417	0.00	0.01	0.009	0					0.02
75.500	0.00	0.01	0.009	0					0.02
75.583	0.00	0.01	0.009	0					0.02
75.667	0.00	0.01	0.009	0					0.02
75.750	0.00	0.01	0.008	0					0.02
75.833	0.00	0.01	0.008	0					0.02
75.917	0.00	0.01	0.008	0					0.02
76.000	0.00	0.01	0.008	0					0.02
76.083	0.00	0.01	0.008	0					0.02
76.167	0.00	0.01	0.008	0					0.02
76.250	0.00	0.01	0.008	0					0.02
76.333	0.00	0.01	0.008	0					0.02
76.417	0.00	0.01	0.008	0					0.02
76.500	0.00	0.01	0.008	0					0.02
76.583	0.00	0.01	0.008	0					0.02
76.667	0.00	0.01	0.008	0					0.02
76.750	0.00	0.01	0.008	0					0.02
76.833	0.00	0.01	0.008	0					0.02
76.917	0.00	0.01	0.008	0					0.02
77.000	0.00	0.01	0.008	0					0.02
77.083	0.00	0.01	0.008	0					0.02
77.167	0.00	0.01	0.008	0					0.02
77.250	0.00	0.01	0.008	0					0.02
77.333	0.00	0.01	0.008	0					0.02
77.417	0.00	0.01	0.008	0					0.02
77.500	0.00	0.01	0.007	0					0.02
77.583	0.00	0.01	0.007	0					0.02
77.667	0.00	0.01	0.007	0					0.02
77.750	0.00	0.01	0.007	0					0.02

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

77.833	0.00	0.01	0.007	0					0.02
77.917	0.00	0.01	0.007	0					0.02
78.000	0.00	0.01	0.007	0					0.02
78.083	0.00	0.01	0.007	0					0.02
78.167	0.00	0.01	0.007	0					0.02
78.250	0.00	0.01	0.007	0					0.02
78.333	0.00	0.01	0.007	0					0.02
78.417	0.00	0.01	0.007	0					0.02
78.500	0.00	0.01	0.007	0					0.02
78.583	0.00	0.01	0.007	0					0.02
78.667	0.00	0.01	0.007	0					0.02
78.750	0.00	0.01	0.007	0					0.02
78.833	0.00	0.01	0.007	0					0.02
78.917	0.00	0.01	0.007	0					0.02
79.000	0.00	0.01	0.007	0					0.02
79.083	0.00	0.01	0.007	0					0.02
79.167	0.00	0.01	0.007	0					0.02
79.250	0.00	0.01	0.007	0					0.02
79.333	0.00	0.01	0.007	0					0.02
79.417	0.00	0.01	0.006	0					0.02
79.500	0.00	0.01	0.006	0					0.02
79.583	0.00	0.01	0.006	0					0.02
79.667	0.00	0.01	0.006	0					0.02
79.750	0.00	0.01	0.006	0					0.02
79.833	0.00	0.01	0.006	0					0.02
79.917	0.00	0.01	0.006	0					0.02
80.000	0.00	0.01	0.006	0					0.02
80.083	0.00	0.01	0.006	0					0.02
80.167	0.00	0.01	0.006	0					0.02
80.250	0.00	0.01	0.006	0					0.02
80.333	0.00	0.01	0.006	0					0.02
80.417	0.00	0.01	0.006	0					0.02
80.500	0.00	0.01	0.006	0					0.02
80.583	0.00	0.01	0.006	0					0.02
80.667	0.00	0.01	0.006	0					0.02
80.750	0.00	0.01	0.006	0					0.02
80.833	0.00	0.01	0.006	0					0.02
80.917	0.00	0.01	0.006	0					0.02
81.000	0.00	0.01	0.006	0					0.02
81.083	0.00	0.01	0.006	0					0.02
81.167	0.00	0.01	0.006	0					0.02
81.250	0.00	0.01	0.006	0					0.02
81.333	0.00	0.01	0.006	0					0.02
81.417	0.00	0.00	0.006	0					0.02
81.500	0.00	0.00	0.006	0					0.02
81.583	0.00	0.00	0.006	0					0.02
81.667	0.00	0.00	0.006	0					0.02
81.750	0.00	0.00	0.005	0					0.02
81.833	0.00	0.00	0.005	0					0.02
81.917	0.00	0.00	0.005	0					0.01
82.000	0.00	0.00	0.005	0					0.01
82.083	0.00	0.00	0.005	0					0.01
82.167	0.00	0.00	0.005	0					0.01
82.250	0.00	0.00	0.005	0					0.01
82.333	0.00	0.00	0.005	0					0.01
82.417	0.00	0.00	0.005	0					0.01
82.500	0.00	0.00	0.005	0					0.01
82.583	0.00	0.00	0.005	0					0.01
82.667	0.00	0.00	0.005	0					0.01
82.750	0.00	0.00	0.005	0					0.01
82.833	0.00	0.00	0.005	0					0.01
82.917	0.00	0.00	0.005	0					0.01
83.000	0.00	0.00	0.005	0					0.01
83.083	0.00	0.00	0.005	0					0.01
83.167	0.00	0.00	0.005	0					0.01
83.250	0.00	0.00	0.005	0					0.01
83.333	0.00	0.00	0.005	0					0.01
83.417	0.00	0.00	0.005	0					0.01
83.500	0.00	0.00	0.005	0					0.01
83.583	0.00	0.00	0.005	0					0.01
83.667	0.00	0.00	0.005	0					0.01
83.750	0.00	0.00	0.005	0					0.01

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

83.833	0.00	0.00	0.005	0					0.01
83.917	0.00	0.00	0.005	0					0.01
84.000	0.00	0.00	0.005	0					0.01
84.083	0.00	0.00	0.005	0					0.01
84.167	0.00	0.00	0.005	0					0.01
84.250	0.00	0.00	0.005	0					0.01
84.333	0.00	0.00	0.005	0					0.01
84.417	0.00	0.00	0.004	0					0.01
84.500	0.00	0.00	0.004	0					0.01
84.583	0.00	0.00	0.004	0					0.01
84.667	0.00	0.00	0.004	0					0.01
84.750	0.00	0.00	0.004	0					0.01
84.833	0.00	0.00	0.004	0					0.01
84.917	0.00	0.00	0.004	0					0.01
85.000	0.00	0.00	0.004	0					0.01
85.083	0.00	0.00	0.004	0					0.01
85.167	0.00	0.00	0.004	0					0.01
85.250	0.00	0.00	0.004	0					0.01
85.333	0.00	0.00	0.004	0					0.01
85.417	0.00	0.00	0.004	0					0.01
85.500	0.00	0.00	0.004	0					0.01
85.583	0.00	0.00	0.004	0					0.01
85.667	0.00	0.00	0.004	0					0.01
85.750	0.00	0.00	0.004	0					0.01
85.833	0.00	0.00	0.004	0					0.01
85.917	0.00	0.00	0.004	0					0.01
86.000	0.00	0.00	0.004	0					0.01
86.083	0.00	0.00	0.004	0					0.01
86.167	0.00	0.00	0.004	0					0.01
86.250	0.00	0.00	0.004	0					0.01
86.333	0.00	0.00	0.004	0					0.01
86.417	0.00	0.00	0.004	0					0.01
86.500	0.00	0.00	0.004	0					0.01
86.583	0.00	0.00	0.004	0					0.01
86.667	0.00	0.00	0.004	0					0.01
86.750	0.00	0.00	0.004	0					0.01
86.833	0.00	0.00	0.004	0					0.01
86.917	0.00	0.00	0.004	0					0.01
87.000	0.00	0.00	0.004	0					0.01
87.083	0.00	0.00	0.004	0					0.01
87.167	0.00	0.00	0.004	0					0.01
87.250	0.00	0.00	0.004	0					0.01
87.333	0.00	0.00	0.004	0					0.01
87.417	0.00	0.00	0.004	0					0.01
87.500	0.00	0.00	0.004	0					0.01
87.583	0.00	0.00	0.004	0					0.01
87.667	0.00	0.00	0.004	0					0.01
87.750	0.00	0.00	0.004	0					0.01
87.833	0.00	0.00	0.003	0					0.01
87.917	0.00	0.00	0.003	0					0.01
88.000	0.00	0.00	0.003	0					0.01
88.083	0.00	0.00	0.003	0					0.01
88.167	0.00	0.00	0.003	0					0.01
88.250	0.00	0.00	0.003	0					0.01
88.333	0.00	0.00	0.003	0					0.01
88.417	0.00	0.00	0.003	0					0.01
88.500	0.00	0.00	0.003	0					0.01
88.583	0.00	0.00	0.003	0					0.01
88.667	0.00	0.00	0.003	0					0.01
88.750	0.00	0.00	0.003	0					0.01
88.833	0.00	0.00	0.003	0					0.01
88.917	0.00	0.00	0.003	0					0.01
89.000	0.00	0.00	0.003	0					0.01
89.083	0.00	0.00	0.003	0					0.01
89.167	0.00	0.00	0.003	0					0.01
89.250	0.00	0.00	0.003	0					0.01
89.333	0.00	0.00	0.003	0					0.01
89.417	0.00	0.00	0.003	0					0.01
89.500	0.00	0.00	0.003	0					0.01
89.583	0.00	0.00	0.003	0					0.01
89.667	0.00	0.00	0.003	0					0.01
89.750	0.00	0.00	0.003	0					0.01

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

89.833	0.00	0.00	0.003	0					0.01
89.917	0.00	0.00	0.003	0					0.01
90.000	0.00	0.00	0.003	0					0.01
90.083	0.00	0.00	0.003	0					0.01
90.167	0.00	0.00	0.003	0					0.01
90.250	0.00	0.00	0.003	0					0.01
90.333	0.00	0.00	0.003	0					0.01
90.417	0.00	0.00	0.003	0					0.01
90.500	0.00	0.00	0.003	0					0.01
90.583	0.00	0.00	0.003	0					0.01
90.667	0.00	0.00	0.003	0					0.01
90.750	0.00	0.00	0.003	0					0.01
90.833	0.00	0.00	0.003	0					0.01
90.917	0.00	0.00	0.003	0					0.01
91.000	0.00	0.00	0.003	0					0.01
91.083	0.00	0.00	0.003	0					0.01
91.167	0.00	0.00	0.003	0					0.01
91.250	0.00	0.00	0.003	0					0.01
91.333	0.00	0.00	0.003	0					0.01
91.417	0.00	0.00	0.003	0					0.01
91.500	0.00	0.00	0.003	0					0.01
91.583	0.00	0.00	0.003	0					0.01
91.667	0.00	0.00	0.003	0					0.01
91.750	0.00	0.00	0.003	0					0.01
91.833	0.00	0.00	0.003	0					0.01
91.917	0.00	0.00	0.003	0					0.01
92.000	0.00	0.00	0.003	0					0.01
92.083	0.00	0.00	0.003	0					0.01
92.167	0.00	0.00	0.003	0					0.01
92.250	0.00	0.00	0.003	0					0.01
92.333	0.00	0.00	0.003	0					0.01
92.417	0.00	0.00	0.002	0					0.01
92.500	0.00	0.00	0.002	0					0.01
92.583	0.00	0.00	0.002	0					0.01
92.667	0.00	0.00	0.002	0					0.01
92.750	0.00	0.00	0.002	0					0.01
92.833	0.00	0.00	0.002	0					0.01
92.917	0.00	0.00	0.002	0					0.01
93.000	0.00	0.00	0.002	0					0.01
93.083	0.00	0.00	0.002	0					0.01
93.167	0.00	0.00	0.002	0					0.01
93.250	0.00	0.00	0.002	0					0.01
93.333	0.00	0.00	0.002	0					0.01
93.417	0.00	0.00	0.002	0					0.01
93.500	0.00	0.00	0.002	0					0.01
93.583	0.00	0.00	0.002	0					0.01
93.667	0.00	0.00	0.002	0					0.01
93.750	0.00	0.00	0.002	0					0.01
93.833	0.00	0.00	0.002	0					0.01
93.917	0.00	0.00	0.002	0					0.01
94.000	0.00	0.00	0.002	0					0.01
94.083	0.00	0.00	0.002	0					0.01
94.167	0.00	0.00	0.002	0					0.01
94.250	0.00	0.00	0.002	0					0.01
94.333	0.00	0.00	0.002	0					0.01
94.417	0.00	0.00	0.002	0					0.01
94.500	0.00	0.00	0.002	0					0.01
94.583	0.00	0.00	0.002	0					0.01
94.667	0.00	0.00	0.002	0					0.01
94.750	0.00	0.00	0.002	0					0.01
94.833	0.00	0.00	0.002	0					0.01
94.917	0.00	0.00	0.002	0					0.01
95.000	0.00	0.00	0.002	0					0.01
95.083	0.00	0.00	0.002	0					0.01
95.167	0.00	0.00	0.002	0					0.01
95.250	0.00	0.00	0.002	0					0.01
95.333	0.00	0.00	0.002	0					0.01
95.417	0.00	0.00	0.002	0					0.01
95.500	0.00	0.00	0.002	0					0.01
95.583	0.00	0.00	0.002	0					0.01
95.667	0.00	0.00	0.002	0					0.01
95.750	0.00	0.00	0.002	0					0.01

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

95.833	0.00	0.00	0.002	0					0.01
95.917	0.00	0.00	0.002	0					0.01
96.000	0.00	0.00	0.002	0					0.01
96.083	0.00	0.00	0.002	0					0.01
96.167	0.00	0.00	0.002	0					0.01
96.250	0.00	0.00	0.002	0					0.01
96.333	0.00	0.00	0.002	0					0.01
96.417	0.00	0.00	0.002	0					0.01
96.500	0.00	0.00	0.002	0					0.01
96.583	0.00	0.00	0.002	0					0.01
96.667	0.00	0.00	0.002	0					0.01
96.750	0.00	0.00	0.002	0					0.01
96.833	0.00	0.00	0.002	0					0.01
96.917	0.00	0.00	0.002	0					0.00
97.000	0.00	0.00	0.002	0					0.00
97.083	0.00	0.00	0.002	0					0.00
97.167	0.00	0.00	0.002	0					0.00
97.250	0.00	0.00	0.002	0					0.00
97.333	0.00	0.00	0.002	0					0.00
97.417	0.00	0.00	0.002	0					0.00
97.500	0.00	0.00	0.002	0					0.00
97.583	0.00	0.00	0.002	0					0.00
97.667	0.00	0.00	0.002	0					0.00
97.750	0.00	0.00	0.002	0					0.00
97.833	0.00	0.00	0.002	0					0.00
97.917	0.00	0.00	0.002	0					0.00
98.000	0.00	0.00	0.002	0					0.00
98.083	0.00	0.00	0.002	0					0.00
98.167	0.00	0.00	0.002	0					0.00
98.250	0.00	0.00	0.002	0					0.00
98.333	0.00	0.00	0.002	0					0.00
98.417	0.00	0.00	0.002	0					0.00
98.500	0.00	0.00	0.002	0					0.00
98.583	0.00	0.00	0.002	0					0.00
98.667	0.00	0.00	0.002	0					0.00
98.750	0.00	0.00	0.002	0					0.00
98.833	0.00	0.00	0.002	0					0.00
98.917	0.00	0.00	0.002	0					0.00
99.000	0.00	0.00	0.002	0					0.00
99.083	0.00	0.00	0.002	0					0.00
99.167	0.00	0.00	0.002	0					0.00
99.250	0.00	0.00	0.002	0					0.00
99.333	0.00	0.00	0.002	0					0.00
99.417	0.00	0.00	0.001	0					0.00
99.500	0.00	0.00	0.001	0					0.00
99.583	0.00	0.00	0.001	0					0.00
99.667	0.00	0.00	0.001	0					0.00
99.750	0.00	0.00	0.001	0					0.00
99.833	0.00	0.00	0.001	0					0.00
99.917	0.00	0.00	0.001	0					0.00
100.000	0.00	0.00	0.001	0					0.00
100.083	0.00	0.00	0.001	0					0.00
100.167	0.00	0.00	0.001	0					0.00
100.250	0.00	0.00	0.001	0					0.00
100.333	0.00	0.00	0.001	0					0.00
100.417	0.00	0.00	0.001	0					0.00
100.500	0.00	0.00	0.001	0					0.00
100.583	0.00	0.00	0.001	0					0.00
100.667	0.00	0.00	0.001	0					0.00
100.750	0.00	0.00	0.001	0					0.00
100.833	0.00	0.00	0.001	0					0.00
100.917	0.00	0.00	0.001	0					0.00
101.000	0.00	0.00	0.001	0					0.00
101.083	0.00	0.00	0.001	0					0.00
101.167	0.00	0.00	0.001	0					0.00
101.250	0.00	0.00	0.001	0					0.00
101.333	0.00	0.00	0.001	0					0.00
101.417	0.00	0.00	0.001	0					0.00
101.500	0.00	0.00	0.001	0					0.00
101.583	0.00	0.00	0.001	0					0.00
101.667	0.00	0.00	0.001	0					0.00
101.750	0.00	0.00	0.001	0					0.00

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

101.833	0.00	0.00	0.001	0					0.00
101.917	0.00	0.00	0.001	0					0.00
102.000	0.00	0.00	0.001	0					0.00
102.083	0.00	0.00	0.001	0					0.00
102.167	0.00	0.00	0.001	0					0.00
102.250	0.00	0.00	0.001	0					0.00
102.333	0.00	0.00	0.001	0					0.00
102.417	0.00	0.00	0.001	0					0.00
102.500	0.00	0.00	0.001	0					0.00
102.583	0.00	0.00	0.001	0					0.00
102.667	0.00	0.00	0.001	0					0.00
102.750	0.00	0.00	0.001	0					0.00
102.833	0.00	0.00	0.001	0					0.00
102.917	0.00	0.00	0.001	0					0.00
103.000	0.00	0.00	0.001	0					0.00
103.083	0.00	0.00	0.001	0					0.00
103.167	0.00	0.00	0.001	0					0.00
103.250	0.00	0.00	0.001	0					0.00
103.333	0.00	0.00	0.001	0					0.00

Remaining water in basin = 0.00 (Ac.Ft)

```
*****HYDROGRAPH DATA*****
      Number of intervals = 1240
      Time interval = 5.0 (Min.)
      Maximum/Peak flow rate = 0.543 (CFS)
      Total volume = 1.125 (Ac.Ft)
      Status of hydrographs being held in storage
      Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
      Peak (CFS) 0.000 0.000 0.000 0.000 0.000
      Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000
*****
```

Glen Ivy Senior Living

ATTACHMENT D – Detention Basin Routing

FLOOD HYDROGRAPH ROUTING PROGRAM
 Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2005
 Study date: 08/18/20

 Glen Ivy Senior Living
 Inflow Hydrograph Calculations
 Detention Basin A
 5-year 24-hour storm

Program License Serial Number 4029

 ***** HYDROGRAPH INFORMATION *****
 From study/file name: sh5pr245.rte
 *****HYDROGRAPH DATA*****
 Number of intervals = 291
 Time interval = 5.0 (Min.)
 Maximum/Peak flow rate = 3.337 (CFS)
 Total volume = 2.028 (Ac.Ft)
 Status of hydrographs being held in storage
 Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
 Peak (CFS) 0.000 0.000 0.000 0.000 0.000
 Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
 Process from Point/Station 10.000 to Point/Station 11.000
 **** RETARDING BASIN ROUTING ****

 User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 291
 Hydrograph time unit = 5.000 (Min.)
 Initial depth in storage basin = 0.00 (Ft.)

Initial basin depth = 0.00 (Ft.)
 Initial basin storage = 0.00 (Ac.Ft)
 Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.360	0.320	0.359	0.361
2.000	0.810	0.460	0.808	0.812
3.000	1.310	0.680	1.308	1.312
4.000	1.860	0.880	1.857	1.863
5.000	2.470	6.320	2.448	2.492
6.000	3.140	16.140	3.084	3.196

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	0	0.8	1.67	2.50	3.34	Depth (Ft.)
0.083	0.09	0.00	0.000	0					0.00

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

0.167	0.17	0.00	0.001	OI					0.00
0.250	0.19	0.00	0.002	OI					0.01
0.333	0.24	0.00	0.004	O I					0.01
0.417	0.28	0.01	0.006	O I					0.02
0.500	0.29	0.01	0.008	O I					0.02
0.583	0.29	0.01	0.010	O I					0.03
0.667	0.29	0.01	0.012	O I					0.03
0.750	0.29	0.01	0.013	O I					0.04
0.833	0.34	0.01	0.016	O I					0.04
0.917	0.38	0.02	0.018	O I					0.05
1.000	0.39	0.02	0.020	O I					0.06
1.083	0.35	0.02	0.023	O I					0.06
1.167	0.31	0.02	0.025	O I					0.07
1.250	0.30	0.02	0.027	O I					0.07
1.333	0.29	0.03	0.029	O I					0.08
1.417	0.29	0.03	0.031	O I					0.09
1.500	0.29	0.03	0.032	O I					0.09
1.583	0.29	0.03	0.034	O I					0.10
1.667	0.29	0.03	0.036	O I					0.10
1.750	0.29	0.03	0.038	O I					0.11
1.833	0.34	0.04	0.040	O I					0.11
1.917	0.38	0.04	0.042	O I					0.12
2.000	0.39	0.04	0.044	O I					0.12
2.083	0.39	0.04	0.047	O I					0.13
2.167	0.39	0.04	0.049	O I					0.14
2.250	0.39	0.05	0.052	O I					0.14
2.333	0.39	0.05	0.054	O I					0.15
2.417	0.39	0.05	0.056	O I					0.16
2.500	0.39	0.05	0.059	O I					0.16
2.583	0.44	0.05	0.061	O I					0.17
2.667	0.48	0.06	0.064	O I					0.18
2.750	0.49	0.06	0.067	O I					0.19
2.833	0.49	0.06	0.070	O I					0.19
2.917	0.49	0.06	0.073	O I					0.20
3.000	0.49	0.07	0.076	O I					0.21
3.083	0.49	0.07	0.079	O I					0.22
3.167	0.49	0.07	0.082	O I					0.23
3.250	0.49	0.08	0.084	O I					0.23
3.333	0.49	0.08	0.087	O I					0.24
3.417	0.49	0.08	0.090	O I					0.25
3.500	0.49	0.08	0.093	O I					0.26
3.583	0.49	0.09	0.096	O I					0.27
3.667	0.49	0.09	0.099	O I					0.27
3.750	0.49	0.09	0.101	O I					0.28
3.833	0.53	0.09	0.104	O I					0.29
3.917	0.58	0.10	0.107	O I					0.30
4.000	0.59	0.10	0.111	O I					0.31
4.083	0.59	0.10	0.114	O I					0.32
4.167	0.59	0.10	0.117	O I					0.33
4.250	0.59	0.11	0.121	O I					0.34
4.333	0.63	0.11	0.124	O I					0.34
4.417	0.67	0.11	0.128	O I					0.36
4.500	0.68	0.12	0.132	O I					0.37
4.583	0.69	0.12	0.136	O I					0.38
4.667	0.69	0.12	0.140	O I					0.39
4.750	0.69	0.13	0.143	O I					0.40
4.833	0.73	0.13	0.147	O I					0.41
4.917	0.77	0.13	0.152	O I					0.42
5.000	0.78	0.14	0.156	O I					0.43
5.083	0.70	0.14	0.160	O I					0.45
5.167	0.61	0.15	0.164	O I					0.45
5.250	0.60	0.15	0.167	O I					0.46
5.333	0.63	0.15	0.170	O I					0.47
5.417	0.67	0.15	0.174	O I					0.48
5.500	0.68	0.16	0.177	O I					0.49
5.583	0.73	0.16	0.181	O I					0.50
5.667	0.77	0.16	0.185	O I					0.51
5.750	0.78	0.17	0.189	O I					0.53
5.833	0.79	0.17	0.193	O I					0.54
5.917	0.79	0.18	0.198	O I					0.55
6.000	0.79	0.18	0.202	O I					0.56
6.083	0.83	0.18	0.206	O I					0.57

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

6.167	0.87	0.19	0.211	O	I				0.59
6.250	0.88	0.19	0.215	O	I				0.60
6.333	0.88	0.20	0.220	O	I				0.61
6.417	0.88	0.20	0.225	O	I				0.62
6.500	0.88	0.20	0.230	O	I				0.64
6.583	0.93	0.21	0.234	O	I				0.65
6.667	0.97	0.21	0.239	O	I				0.67
6.750	0.98	0.22	0.245	O	I				0.68
6.833	0.98	0.22	0.250	O	I				0.69
6.917	0.98	0.23	0.255	O	I				0.71
7.000	0.98	0.23	0.260	O	I				0.72
7.083	0.98	0.24	0.266	O	I				0.74
7.167	0.98	0.24	0.271	O	I				0.75
7.250	0.98	0.25	0.276	O	I				0.77
7.333	1.03	0.25	0.281	O	I				0.78
7.417	1.07	0.25	0.286	O	I				0.80
7.500	1.08	0.26	0.292	O	I				0.81
7.583	1.12	0.26	0.298	O	I				0.83
7.667	1.17	0.27	0.304	O	I				0.84
7.750	1.17	0.28	0.310	O	I				0.86
7.833	1.22	0.28	0.316	O	I				0.88
7.917	1.26	0.29	0.323	O	I				0.90
8.000	1.27	0.29	0.330	O	I				0.92
8.083	1.36	0.30	0.337	O	I				0.94
8.167	1.45	0.31	0.344	O	I				0.96
8.250	1.46	0.31	0.352	O	I				0.98
8.333	1.47	0.32	0.360	O	I				1.00
8.417	1.47	0.32	0.368	O	I				1.02
8.500	1.47	0.32	0.376	O	I				1.04
8.583	1.52	0.33	0.384	O	I				1.05
8.667	1.56	0.33	0.392	O	I				1.07
8.750	1.57	0.33	0.401	O	I				1.09
8.833	1.61	0.34	0.409	O	I				1.11
8.917	1.66	0.34	0.418	O	I				1.13
9.000	1.66	0.34	0.428	O	I				1.15
9.083	1.76	0.34	0.437	O	I				1.17
9.167	1.84	0.35	0.447	O	I				1.19
9.250	1.86	0.35	0.457	O	I				1.22
9.333	1.91	0.35	0.468	O	I				1.24
9.417	1.95	0.36	0.479	O	I				1.26
9.500	1.96	0.36	0.490	O	I				1.29
9.583	2.01	0.36	0.501	O	I				1.31
9.667	2.05	0.37	0.512	O	I				1.34
9.750	2.06	0.37	0.524	O	I				1.36
9.833	2.11	0.37	0.536	O	I				1.39
9.917	2.15	0.38	0.548	O	I				1.42
10.000	2.16	0.38	0.560	O	I				1.44
10.083	1.85	0.39	0.571	O	I				1.47
10.167	1.56	0.39	0.580	O	I				1.49
10.250	1.50	0.39	0.588	O	I				1.51
10.333	1.47	0.39	0.595	O	I				1.52
10.417	1.47	0.40	0.603	O	I				1.54
10.500	1.47	0.40	0.610	O	I				1.56
10.583	1.69	0.40	0.618	O	I				1.57
10.667	1.90	0.40	0.628	O	I				1.60
10.750	1.94	0.41	0.639	O	I				1.62
10.833	1.96	0.41	0.649	O	I				1.64
10.917	1.96	0.41	0.660	O	I				1.67
11.000	1.96	0.42	0.671	O	I				1.69
11.083	1.92	0.42	0.681	O	I				1.71
11.167	1.88	0.42	0.691	O	I				1.74
11.250	1.87	0.43	0.701	O	I				1.76
11.333	1.86	0.43	0.711	O	I				1.78
11.417	1.86	0.43	0.721	O	I				1.80
11.500	1.86	0.44	0.731	O	I				1.82
11.583	1.78	0.44	0.740	O	I				1.85
11.667	1.69	0.44	0.749	O	I				1.86
11.750	1.68	0.44	0.758	O	I				1.88
11.833	1.71	0.45	0.766	O	I				1.90
11.917	1.75	0.45	0.775	O	I				1.92
12.000	1.76	0.45	0.784	O	I				1.94
12.083	2.07	0.46	0.794	O	I				1.97

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

12.167	2.37	0.46	0.807		O			I			1.99
12.250	2.43	0.46	0.820		O			I			2.02
12.333	2.50	0.47	0.834		O			I			2.05
12.417	2.54	0.48	0.848		O			I			2.08
12.500	2.55	0.48	0.862		O			I			2.10
12.583	2.64	0.49	0.876		O			I			2.13
12.667	2.72	0.50	0.891		O			I			2.16
12.750	2.74	0.50	0.907		O			I			2.19
12.833	2.79	0.51	0.922		O			I			2.22
12.917	2.83	0.52	0.938		O			I			2.26
13.000	2.84	0.52	0.954		O			I			2.29
13.083	3.07	0.53	0.971		O			I			2.32
13.167	3.28	0.54	0.989		O			I			2.36
13.250	3.32	0.55	1.008		O			I			2.40
13.333	3.34	0.56	1.027		O			I			2.43
13.417	3.34	0.56	1.046		O			I			2.47
13.500	3.34	0.57	1.065		O			I			2.51
13.583	2.85	0.58	1.083		O			I			2.55
13.667	2.39	0.59	1.097		O			I			2.57
13.750	2.30	0.59	1.109		O			I			2.60
13.833	2.26	0.60	1.121		O			I			2.62
13.917	2.26	0.60	1.132		O			I			2.64
14.000	2.26	0.61	1.143		O			I			2.67
14.083	2.43	0.61	1.155		O			I			2.69
14.167	2.60	0.62	1.168		O			I			2.72
14.250	2.63	0.62	1.182		O			I			2.74
14.333	2.61	0.63	1.196		O			I			2.77
14.417	2.56	0.64	1.209		O			I			2.80
14.500	2.56	0.64	1.223		O			I			2.83
14.583	2.55	0.65	1.236		O			I			2.85
14.667	2.55	0.65	1.249		O			I			2.88
14.750	2.55	0.66	1.262		O			I			2.90
14.833	2.51	0.66	1.275		O			I			2.93
14.917	2.47	0.67	1.287		O			I			2.95
15.000	2.46	0.68	1.300		O			I			2.98
15.083	2.41	0.68	1.312		O			I			3.00
15.167	2.37	0.68	1.323		O			I			3.02
15.250	2.36	0.69	1.335		O			I			3.05
15.333	2.31	0.69	1.346		O			I			3.07
15.417	2.27	0.70	1.357		O			I			3.09
15.500	2.26	0.70	1.368		O			I			3.11
15.583	2.08	0.70	1.378		O			I			3.12
15.667	1.91	0.71	1.387		O			I			3.14
15.750	1.88	0.71	1.395		O			I			3.16
15.833	1.86	0.71	1.403		O			I			3.17
15.917	1.86	0.72	1.411		O			I			3.18
16.000	1.86	0.72	1.419		O			I			3.20
16.083	1.21	0.72	1.425		O		I				3.21
16.167	0.58	0.72	1.426		O	I	O				3.21
16.250	0.45	0.72	1.424		O	I	O				3.21
16.333	0.39	0.72	1.422		O	I	O				3.20
16.417	0.39	0.72	1.420		O	I	O				3.20
16.500	0.39	0.72	1.418		O	I	O				3.20
16.583	0.35	0.72	1.415		O	I	O				3.19
16.667	0.31	0.72	1.413		O	I	O				3.19
16.750	0.30	0.72	1.410		O	I	O				3.18
16.833	0.29	0.72	1.407		O	I	O				3.18
16.917	0.29	0.71	1.404		O	I	O				3.17
17.000	0.29	0.71	1.401		O	I	O				3.17
17.083	0.38	0.71	1.399		O	I	O				3.16
17.167	0.47	0.71	1.397		O	I	O				3.16
17.250	0.48	0.71	1.395		O	I	O				3.15
17.333	0.49	0.71	1.393		O	I	O				3.15
17.417	0.49	0.71	1.392		O	I	O				3.15
17.500	0.49	0.71	1.390		O	I	O				3.15
17.583	0.49	0.71	1.389		O	I	O				3.14
17.667	0.49	0.71	1.387		O	I	O				3.14
17.750	0.49	0.71	1.386		O	I	O				3.14
17.833	0.45	0.71	1.384		O	I	O				3.14
17.917	0.40	0.71	1.382		O	I	O				3.13
18.000	0.40	0.71	1.380		O	I	O				3.13
18.083	0.39	0.70	1.378		O	I	O				3.12

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

18.167	0.39	0.70	1.376		I	o						3.12
18.250	0.39	0.70	1.374		I	o						3.12
18.333	0.39	0.70	1.372		I	o						3.11
18.417	0.39	0.70	1.370		I	o						3.11
18.500	0.39	0.70	1.367		I	o						3.10
18.583	0.35	0.70	1.365		I	o						3.10
18.667	0.31	0.70	1.363		I	o						3.10
18.750	0.30	0.70	1.360		I	o						3.09
18.833	0.25	0.70	1.357		I	o						3.09
18.917	0.21	0.70	1.354		I	o						3.08
19.000	0.20	0.69	1.350		I	o						3.07
19.083	0.24	0.69	1.347		I	o						3.07
19.167	0.28	0.69	1.344		I	o						3.06
19.250	0.29	0.69	1.341		I	o						3.06
19.333	0.34	0.69	1.339		I	o						3.05
19.417	0.38	0.69	1.337		I	o						3.05
19.500	0.39	0.69	1.334		I	o						3.04
19.583	0.35	0.69	1.332		I	o						3.04
19.667	0.31	0.69	1.330		I	o						3.04
19.750	0.30	0.69	1.327		I	o						3.03
19.833	0.25	0.69	1.324		I	o						3.03
19.917	0.21	0.68	1.321		I	o						3.02
20.000	0.20	0.68	1.318		I	o						3.01
20.083	0.24	0.68	1.315		I	o						3.01
20.167	0.28	0.68	1.312		I	o						3.00
20.250	0.29	0.68	1.309		I	o						3.00
20.333	0.29	0.68	1.306		I	o						2.99
20.417	0.29	0.68	1.304		I	o						2.99
20.500	0.29	0.68	1.301		I	o						2.98
20.583	0.29	0.67	1.298		I	o						2.98
20.667	0.29	0.67	1.296		I	o						2.97
20.750	0.29	0.67	1.293		I	o						2.97
20.833	0.25	0.67	1.290		I	o						2.96
20.917	0.21	0.67	1.287		I	o						2.95
21.000	0.20	0.67	1.284		I	o						2.95
21.083	0.24	0.67	1.281		I	o						2.94
21.167	0.28	0.67	1.278		I	o						2.94
21.250	0.29	0.66	1.276		I	o						2.93
21.333	0.25	0.66	1.273		I	o						2.93
21.417	0.21	0.66	1.270		I	o						2.92
21.500	0.20	0.66	1.267		I	o						2.91
21.583	0.24	0.66	1.264		I	o						2.91
21.667	0.28	0.66	1.261		I	o						2.90
21.750	0.29	0.66	1.259		I	o						2.90
21.833	0.25	0.66	1.256		I	o						2.89
21.917	0.21	0.65	1.253		I	o						2.89
22.000	0.20	0.65	1.250		I	o						2.88
22.083	0.24	0.65	1.247		I	o						2.87
22.167	0.28	0.65	1.244		I	o						2.87
22.250	0.29	0.65	1.242		I	o						2.86
22.333	0.25	0.65	1.239		I	o						2.86
22.417	0.21	0.65	1.236		I	o						2.85
22.500	0.20	0.65	1.233		I	o						2.85
22.583	0.20	0.64	1.230		I	o						2.84
22.667	0.20	0.64	1.227		I	o						2.83
22.750	0.20	0.64	1.224		I	o						2.83
22.833	0.20	0.64	1.221		I	o						2.82
22.917	0.20	0.64	1.218		I	o						2.82
23.000	0.20	0.64	1.215		I	o						2.81
23.083	0.20	0.64	1.212		I	o						2.80
23.167	0.20	0.64	1.209		I	o						2.80
23.250	0.20	0.63	1.206		I	o						2.79
23.333	0.20	0.63	1.203		I	o						2.79
23.417	0.20	0.63	1.200		I	o						2.78
23.500	0.20	0.63	1.197		I	o						2.77
23.583	0.20	0.63	1.194		I	o						2.77
23.667	0.20	0.63	1.191		I	o						2.76
23.750	0.20	0.63	1.188		I	o						2.76
23.833	0.20	0.62	1.185		I	o						2.75
23.917	0.20	0.62	1.182		I	o						2.74
24.000	0.20	0.62	1.179		I	o						2.74
24.083	0.11	0.62	1.176		I	o						2.73

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

24.167	0.02	0.62	1.172	I	O						2.72
24.250	0.01	0.62	1.168	I	O						2.72
24.333	0.00	0.62	1.164	I	O						2.71
24.417	0.00	0.61	1.159	I	O						2.70
24.500	0.00	0.61	1.155	I	O						2.69
24.583	0.00	0.61	1.151	I	O						2.68
24.667	0.00	0.61	1.147	I	O						2.67
24.750	0.00	0.61	1.142	I	O						2.66
24.833	0.00	0.60	1.138	I	O						2.66
24.917	0.00	0.60	1.134	I	O						2.65
25.000	0.00	0.60	1.130	I	O						2.64
25.083	0.00	0.60	1.126	I	O						2.63
25.167	0.00	0.60	1.122	I	O						2.62
25.250	0.00	0.60	1.118	I	O						2.62
25.333	0.00	0.59	1.114	I	O						2.61
25.417	0.00	0.59	1.109	I	O						2.60
25.500	0.00	0.59	1.105	I	O						2.59
25.583	0.00	0.59	1.101	I	O						2.58
25.667	0.00	0.59	1.097	I	O						2.57
25.750	0.00	0.58	1.093	I	O						2.57
25.833	0.00	0.58	1.089	I	O						2.56
25.917	0.00	0.58	1.085	I	O						2.55
26.000	0.00	0.58	1.081	I	O						2.54
26.083	0.00	0.58	1.077	I	O						2.53
26.167	0.00	0.58	1.073	I	O						2.53
26.250	0.00	0.57	1.069	I	O						2.52
26.333	0.00	0.57	1.065	I	O						2.51
26.417	0.00	0.57	1.061	I	O						2.50
26.500	0.00	0.57	1.058	I	O						2.50
26.583	0.00	0.57	1.054	I	O						2.49
26.667	0.00	0.57	1.050	I	O						2.48
26.750	0.00	0.56	1.046	I	O						2.47
26.833	0.00	0.56	1.042	I	O						2.46
26.917	0.00	0.56	1.038	I	O						2.46
27.000	0.00	0.56	1.034	I	O						2.45
27.083	0.00	0.56	1.030	I	O						2.44
27.167	0.00	0.56	1.027	I	O						2.43
27.250	0.00	0.55	1.023	I	O						2.43
27.333	0.00	0.55	1.019	I	O						2.42
27.417	0.00	0.55	1.015	I	O						2.41
27.500	0.00	0.55	1.011	I	O						2.40
27.583	0.00	0.55	1.008	I	O						2.40
27.667	0.00	0.55	1.004	I	O						2.39
27.750	0.00	0.54	1.000	I	O						2.38
27.833	0.00	0.54	0.996	I	O						2.37
27.917	0.00	0.54	0.993	I	O						2.37
28.000	0.00	0.54	0.989	I	O						2.36
28.083	0.00	0.54	0.985	I	O						2.35
28.167	0.00	0.54	0.981	I	O						2.34
28.250	0.00	0.53	0.978	I	O						2.34
28.333	0.00	0.53	0.974	I	O						2.33
28.417	0.00	0.53	0.970	I	O						2.32
28.500	0.00	0.53	0.967	I	O						2.31
28.583	0.00	0.53	0.963	I	O						2.31
28.667	0.00	0.53	0.960	I	O						2.30
28.750	0.00	0.52	0.956	I	O						2.29
28.833	0.00	0.52	0.952	I	O						2.28
28.917	0.00	0.52	0.949	I	O						2.28
29.000	0.00	0.52	0.945	I	O						2.27
29.083	0.00	0.52	0.942	I	O						2.26
29.167	0.00	0.52	0.938	I	O						2.26
29.250	0.00	0.51	0.934	I	O						2.25
29.333	0.00	0.51	0.931	I	O						2.24
29.417	0.00	0.51	0.927	I	O						2.23
29.500	0.00	0.51	0.924	I	O						2.23
29.583	0.00	0.51	0.920	I	O						2.22
29.667	0.00	0.51	0.917	I	O						2.21
29.750	0.00	0.51	0.913	I	O						2.21
29.833	0.00	0.50	0.910	I	O						2.20
29.917	0.00	0.50	0.906	I	O						2.19
30.000	0.00	0.50	0.903	I	O						2.19
30.083	0.00	0.50	0.900	I	O						2.18

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

30.167	0.00	0.50	0.896	I	O					2.17
30.250	0.00	0.50	0.893	I	O					2.17
30.333	0.00	0.49	0.889	I	O					2.16
30.417	0.00	0.49	0.886	I	O					2.15
30.500	0.00	0.49	0.882	I	O					2.14
30.583	0.00	0.49	0.879	I	O					2.14
30.667	0.00	0.49	0.876	I	O					2.13
30.750	0.00	0.49	0.872	I	O					2.12
30.833	0.00	0.49	0.869	I	O					2.12
30.917	0.00	0.48	0.866	I	O					2.11
31.000	0.00	0.48	0.862	I	O					2.10
31.083	0.00	0.48	0.859	I	O					2.10
31.167	0.00	0.48	0.856	I	O					2.09
31.250	0.00	0.48	0.852	I	O					2.08
31.333	0.00	0.48	0.849	I	O					2.08
31.417	0.00	0.48	0.846	I	O					2.07
31.500	0.00	0.47	0.843	I	O					2.07
31.583	0.00	0.47	0.839	I	O					2.06
31.667	0.00	0.47	0.836	I	O					2.05
31.750	0.00	0.47	0.833	I	O					2.05
31.833	0.00	0.47	0.830	I	O					2.04
31.917	0.00	0.47	0.826	I	O					2.03
32.000	0.00	0.47	0.823	I	O					2.03
32.083	0.00	0.46	0.820	I	O					2.02
32.167	0.00	0.46	0.817	I	O					2.01
32.250	0.00	0.46	0.814	I	O					2.01
32.333	0.00	0.46	0.810	I	O					2.00
32.417	0.00	0.46	0.807	I	O					1.99
32.500	0.00	0.46	0.804	I	O					1.99
32.583	0.00	0.46	0.801	I	O					1.98
32.667	0.00	0.46	0.798	I	O					1.97
32.750	0.00	0.46	0.795	I	O					1.97
32.833	0.00	0.45	0.791	I	O					1.96
32.917	0.00	0.45	0.788	I	O					1.95
33.000	0.00	0.45	0.785	I	O					1.94
33.083	0.00	0.45	0.782	I	O					1.94
33.167	0.00	0.45	0.779	I	O					1.93
33.250	0.00	0.45	0.776	I	O					1.92
33.333	0.00	0.45	0.773	I	O					1.92
33.417	0.00	0.45	0.770	I	O					1.91
33.500	0.00	0.45	0.767	I	O					1.90
33.583	0.00	0.45	0.764	I	O					1.90
33.667	0.00	0.44	0.761	I	O					1.89
33.750	0.00	0.44	0.757	I	O					1.88
33.833	0.00	0.44	0.754	I	O					1.88
33.917	0.00	0.44	0.751	I	O					1.87
34.000	0.00	0.44	0.748	I	O					1.86
34.083	0.00	0.44	0.745	I	O					1.86
34.167	0.00	0.44	0.742	I	O					1.85
34.250	0.00	0.44	0.739	I	O					1.84
34.333	0.00	0.44	0.736	I	O					1.84
34.417	0.00	0.44	0.733	I	O					1.83
34.500	0.00	0.44	0.730	I	O					1.82
34.583	0.00	0.43	0.727	I	O					1.82
34.667	0.00	0.43	0.724	I	O					1.81
34.750	0.00	0.43	0.721	I	O					1.80
34.833	0.00	0.43	0.718	I	O					1.80
34.917	0.00	0.43	0.715	I	O					1.79
35.000	0.00	0.43	0.712	I	O					1.78
35.083	0.00	0.43	0.709	I	O					1.78
35.167	0.00	0.43	0.706	I	O					1.77
35.250	0.00	0.43	0.704	I	O					1.76
35.333	0.00	0.43	0.701	I	O					1.76
35.417	0.00	0.43	0.698	I	O					1.75
35.500	0.00	0.42	0.695	I	O					1.74
35.583	0.00	0.42	0.692	I	O					1.74
35.667	0.00	0.42	0.689	I	O					1.73
35.750	0.00	0.42	0.686	I	O					1.72
35.833	0.00	0.42	0.683	I	O					1.72
35.917	0.00	0.42	0.680	I	O					1.71
36.000	0.00	0.42	0.677	I	O					1.71
36.083	0.00	0.42	0.674	I	O					1.70

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

36.167	0.00	0.42	0.672	I	O					1.69
36.250	0.00	0.42	0.669	I	O					1.69
36.333	0.00	0.42	0.666	I	O					1.68
36.417	0.00	0.41	0.663	I	O					1.67
36.500	0.00	0.41	0.660	I	O					1.67
36.583	0.00	0.41	0.657	I	O					1.66
36.667	0.00	0.41	0.654	I	O					1.65
36.750	0.00	0.41	0.652	I	O					1.65
36.833	0.00	0.41	0.649	I	O					1.64
36.917	0.00	0.41	0.646	I	O					1.64
37.000	0.00	0.41	0.643	I	O					1.63
37.083	0.00	0.41	0.640	I	O					1.62
37.167	0.00	0.41	0.638	I	O					1.62
37.250	0.00	0.41	0.635	I	O					1.61
37.333	0.00	0.40	0.632	I	O					1.60
37.417	0.00	0.40	0.629	I	O					1.60
37.500	0.00	0.40	0.626	I	O					1.59
37.583	0.00	0.40	0.624	I	O					1.59
37.667	0.00	0.40	0.621	I	O					1.58
37.750	0.00	0.40	0.618	I	O					1.57
37.833	0.00	0.40	0.615	I	O					1.57
37.917	0.00	0.40	0.613	I	O					1.56
38.000	0.00	0.40	0.610	I	O					1.56
38.083	0.00	0.40	0.607	I	O					1.55
38.167	0.00	0.40	0.604	I	O					1.54
38.250	0.00	0.40	0.602	I	O					1.54
38.333	0.00	0.39	0.599	I	O					1.53
38.417	0.00	0.39	0.596	I	O					1.52
38.500	0.00	0.39	0.594	I	O					1.52
38.583	0.00	0.39	0.591	I	O					1.51
38.667	0.00	0.39	0.588	I	O					1.51
38.750	0.00	0.39	0.585	I	O					1.50
38.833	0.00	0.39	0.583	I	O					1.50
38.917	0.00	0.39	0.580	I	O					1.49
39.000	0.00	0.39	0.577	I	O					1.48
39.083	0.00	0.39	0.575	I	O					1.48
39.167	0.00	0.39	0.572	I	O					1.47
39.250	0.00	0.39	0.569	I	O					1.47
39.333	0.00	0.38	0.567	I	O					1.46
39.417	0.00	0.38	0.564	I	O					1.45
39.500	0.00	0.38	0.561	I	O					1.45
39.583	0.00	0.38	0.559	I	O					1.44
39.667	0.00	0.38	0.556	I	O					1.44
39.750	0.00	0.38	0.554	I	O					1.43
39.833	0.00	0.38	0.551	I	O					1.42
39.917	0.00	0.38	0.548	I	O					1.42
40.000	0.00	0.38	0.546	I	O					1.41
40.083	0.00	0.38	0.543	I	O					1.41
40.167	0.00	0.38	0.541	I	O					1.40
40.250	0.00	0.38	0.538	I	O					1.40
40.333	0.00	0.37	0.535	I	O					1.39
40.417	0.00	0.37	0.533	I	O					1.38
40.500	0.00	0.37	0.530	I	O					1.38
40.583	0.00	0.37	0.528	I	O					1.37
40.667	0.00	0.37	0.525	I	O					1.37
40.750	0.00	0.37	0.523	I	O					1.36
40.833	0.00	0.37	0.520	I	O					1.36
40.917	0.00	0.37	0.517	I	O					1.35
41.000	0.00	0.37	0.515	I	O					1.34
41.083	0.00	0.37	0.512	I	O					1.34
41.167	0.00	0.37	0.510	I	O					1.33
41.250	0.00	0.37	0.507	I	O					1.33
41.333	0.00	0.37	0.505	I	O					1.32
41.417	0.00	0.36	0.502	I	O					1.32
41.500	0.00	0.36	0.500	I	O					1.31
41.583	0.00	0.36	0.497	I	O					1.31
41.667	0.00	0.36	0.495	I	O					1.30
41.750	0.00	0.36	0.492	I	O					1.29
41.833	0.00	0.36	0.490	I	O					1.29
41.917	0.00	0.36	0.487	I	O					1.28
42.000	0.00	0.36	0.485	I	O					1.28
42.083	0.00	0.36	0.482	I	O					1.27

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

42.167	0.00	0.36	0.480	I	O					1.27
42.250	0.00	0.36	0.478	I	O					1.26
42.333	0.00	0.36	0.475	I	O					1.26
42.417	0.00	0.36	0.473	I	O					1.25
42.500	0.00	0.35	0.470	I	O					1.24
42.583	0.00	0.35	0.468	I	O					1.24
42.667	0.00	0.35	0.465	I	O					1.23
42.750	0.00	0.35	0.463	I	O					1.23
42.833	0.00	0.35	0.460	I	O					1.22
42.917	0.00	0.35	0.458	I	O					1.22
43.000	0.00	0.35	0.456	I	O					1.21
43.083	0.00	0.35	0.453	I	O					1.21
43.167	0.00	0.35	0.451	I	O					1.20
43.250	0.00	0.35	0.448	I	O					1.20
43.333	0.00	0.35	0.446	I	O					1.19
43.417	0.00	0.35	0.444	I	O					1.19
43.500	0.00	0.35	0.441	I	O					1.18
43.583	0.00	0.34	0.439	I	O					1.18
43.667	0.00	0.34	0.437	I	O					1.17
43.750	0.00	0.34	0.434	I	O					1.16
43.833	0.00	0.34	0.432	I	O					1.16
43.917	0.00	0.34	0.429	I	O					1.15
44.000	0.00	0.34	0.427	I	O					1.15
44.083	0.00	0.34	0.425	I	O					1.14
44.167	0.00	0.34	0.422	I	O					1.14
44.250	0.00	0.34	0.420	I	O					1.13
44.333	0.00	0.34	0.418	I	O					1.13
44.417	0.00	0.34	0.415	I	O					1.12
44.500	0.00	0.34	0.413	I	O					1.12
44.583	0.00	0.34	0.411	I	O					1.11
44.667	0.00	0.34	0.408	I	O					1.11
44.750	0.00	0.33	0.406	I	O					1.10
44.833	0.00	0.33	0.404	I	O					1.10
44.917	0.00	0.33	0.402	I	O					1.09
45.000	0.00	0.33	0.399	I	O					1.09
45.083	0.00	0.33	0.397	I	O					1.08
45.167	0.00	0.33	0.395	I	O					1.08
45.250	0.00	0.33	0.392	I	O					1.07
45.333	0.00	0.33	0.390	I	O					1.07
45.417	0.00	0.33	0.388	I	O					1.06
45.500	0.00	0.33	0.386	I	O					1.06
45.583	0.00	0.33	0.383	I	O					1.05
45.667	0.00	0.33	0.381	I	O					1.05
45.750	0.00	0.33	0.379	I	O					1.04
45.833	0.00	0.33	0.377	I	O					1.04
45.917	0.00	0.32	0.374	I	O					1.03
46.000	0.00	0.32	0.372	I	O					1.03
46.083	0.00	0.32	0.370	I	O					1.02
46.167	0.00	0.32	0.368	I	O					1.02
46.250	0.00	0.32	0.366	I	O					1.01
46.333	0.00	0.32	0.363	I	O					1.01
46.417	0.00	0.32	0.361	I	O					1.00
46.500	0.00	0.32	0.359	I	O					1.00
46.583	0.00	0.32	0.357	I	O					0.99
46.667	0.00	0.32	0.355	I	O					0.98
46.750	0.00	0.31	0.352	I	O					0.98
46.833	0.00	0.31	0.350	I	O					0.97
46.917	0.00	0.31	0.348	I	O					0.97
47.000	0.00	0.31	0.346	I	O					0.96
47.083	0.00	0.31	0.344	I	O					0.96
47.167	0.00	0.30	0.342	I	O					0.95
47.250	0.00	0.30	0.340	I	O					0.94
47.333	0.00	0.30	0.338	I	O					0.94
47.417	0.00	0.30	0.336	I	O					0.93
47.500	0.00	0.30	0.333	I	O					0.93
47.583	0.00	0.29	0.331	I	O					0.92
47.667	0.00	0.29	0.329	I	O					0.92
47.750	0.00	0.29	0.327	I	O					0.91
47.833	0.00	0.29	0.325	I	O					0.90
47.917	0.00	0.29	0.323	I	O					0.90
48.000	0.00	0.29	0.321	I	O					0.89
48.083	0.00	0.28	0.319	I	O					0.89

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

48.167	0.00	0.28	0.318	I O					0.88
48.250	0.00	0.28	0.316	I O					0.88
48.333	0.00	0.28	0.314	I O					0.87
48.417	0.00	0.28	0.312	I O					0.87
48.500	0.00	0.28	0.310	I O					0.86
48.583	0.00	0.27	0.308	I O					0.86
48.667	0.00	0.27	0.306	I O					0.85
48.750	0.00	0.27	0.304	I O					0.85
48.833	0.00	0.27	0.302	I O					0.84
48.917	0.00	0.27	0.301	I O					0.83
49.000	0.00	0.27	0.299	I O					0.83
49.083	0.00	0.26	0.297	I O					0.82
49.167	0.00	0.26	0.295	I O					0.82
49.250	0.00	0.26	0.293	I O					0.81
49.333	0.00	0.26	0.291	I O					0.81
49.417	0.00	0.26	0.290	I O					0.80
49.500	0.00	0.26	0.288	I O					0.80
49.583	0.00	0.25	0.286	I O					0.79
49.667	0.00	0.25	0.284	I O					0.79
49.750	0.00	0.25	0.283	I O					0.79
49.833	0.00	0.25	0.281	I O					0.78
49.917	0.00	0.25	0.279	I O					0.78
50.000	0.00	0.25	0.278	I O					0.77
50.083	0.00	0.25	0.276	I O					0.77
50.167	0.00	0.24	0.274	I O					0.76
50.250	0.00	0.24	0.272	I O					0.76
50.333	0.00	0.24	0.271	I O					0.75
50.417	0.00	0.24	0.269	I O					0.75
50.500	0.00	0.24	0.268	I O					0.74
50.583	0.00	0.24	0.266	I O					0.74
50.667	0.00	0.23	0.264	I O					0.73
50.750	0.00	0.23	0.263	I O					0.73
50.833	0.00	0.23	0.261	I O					0.73
50.917	0.00	0.23	0.259	I O					0.72
51.000	0.00	0.23	0.258	I O					0.72
51.083	0.00	0.23	0.256	I O					0.71
51.167	0.00	0.23	0.255	I O					0.71
51.250	0.00	0.23	0.253	I O					0.70
51.333	0.00	0.22	0.252	I O					0.70
51.417	0.00	0.22	0.250	I O					0.69
51.500	0.00	0.22	0.249	I O					0.69
51.583	0.00	0.22	0.247	I O					0.69
51.667	0.00	0.22	0.246	I O					0.68
51.750	0.00	0.22	0.244	I O					0.68
51.833	0.00	0.22	0.243	I O					0.67
51.917	0.00	0.21	0.241	I O					0.67
52.000	0.00	0.21	0.240	I O					0.67
52.083	0.00	0.21	0.238	I O					0.66
52.167	0.00	0.21	0.237	I O					0.66
52.250	0.00	0.21	0.235	I O					0.65
52.333	0.00	0.21	0.234	IO					0.65
52.417	0.00	0.21	0.232	IO					0.65
52.500	0.00	0.21	0.231	IO					0.64
52.583	0.00	0.20	0.230	IO					0.64
52.667	0.00	0.20	0.228	IO					0.63
52.750	0.00	0.20	0.227	IO					0.63
52.833	0.00	0.20	0.225	IO					0.63
52.917	0.00	0.20	0.224	IO					0.62
53.000	0.00	0.20	0.223	IO					0.62
53.083	0.00	0.20	0.221	IO					0.61
53.167	0.00	0.20	0.220	IO					0.61
53.250	0.00	0.19	0.219	IO					0.61
53.333	0.00	0.19	0.217	IO					0.60
53.417	0.00	0.19	0.216	IO					0.60
53.500	0.00	0.19	0.215	IO					0.60
53.583	0.00	0.19	0.213	IO					0.59
53.667	0.00	0.19	0.212	IO					0.59
53.750	0.00	0.19	0.211	IO					0.59
53.833	0.00	0.19	0.209	IO					0.58
53.917	0.00	0.19	0.208	IO					0.58
54.000	0.00	0.18	0.207	IO					0.57
54.083	0.00	0.18	0.206	IO					0.57

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

54.167	0.00	0.18	0.204	IO					0.57
54.250	0.00	0.18	0.203	IO					0.56
54.333	0.00	0.18	0.202	IO					0.56
54.417	0.00	0.18	0.201	IO					0.56
54.500	0.00	0.18	0.199	IO					0.55
54.583	0.00	0.18	0.198	IO					0.55
54.667	0.00	0.18	0.197	IO					0.55
54.750	0.00	0.17	0.196	IO					0.54
54.833	0.00	0.17	0.195	IO					0.54
54.917	0.00	0.17	0.193	IO					0.54
55.000	0.00	0.17	0.192	IO					0.53
55.083	0.00	0.17	0.191	IO					0.53
55.167	0.00	0.17	0.190	IO					0.53
55.250	0.00	0.17	0.189	IO					0.52
55.333	0.00	0.17	0.188	IO					0.52
55.417	0.00	0.17	0.186	IO					0.52
55.500	0.00	0.16	0.185	IO					0.51
55.583	0.00	0.16	0.184	IO					0.51
55.667	0.00	0.16	0.183	IO					0.51
55.750	0.00	0.16	0.182	IO					0.51
55.833	0.00	0.16	0.181	IO					0.50
55.917	0.00	0.16	0.180	IO					0.50
56.000	0.00	0.16	0.179	IO					0.50
56.083	0.00	0.16	0.178	IO					0.49
56.167	0.00	0.16	0.176	IO					0.49
56.250	0.00	0.16	0.175	IO					0.49
56.333	0.00	0.15	0.174	IO					0.48
56.417	0.00	0.15	0.173	IO					0.48
56.500	0.00	0.15	0.172	IO					0.48
56.583	0.00	0.15	0.171	IO					0.48
56.667	0.00	0.15	0.170	IO					0.47
56.750	0.00	0.15	0.169	IO					0.47
56.833	0.00	0.15	0.168	IO					0.47
56.917	0.00	0.15	0.167	IO					0.46
57.000	0.00	0.15	0.166	IO					0.46
57.083	0.00	0.15	0.165	IO					0.46
57.167	0.00	0.15	0.164	IO					0.46
57.250	0.00	0.14	0.163	IO					0.45
57.333	0.00	0.14	0.162	IO					0.45
57.417	0.00	0.14	0.161	IO					0.45
57.500	0.00	0.14	0.160	IO					0.44
57.583	0.00	0.14	0.159	IO					0.44
57.667	0.00	0.14	0.158	IO					0.44
57.750	0.00	0.14	0.157	IO					0.44
57.833	0.00	0.14	0.156	IO					0.43
57.917	0.00	0.14	0.155	IO					0.43
58.000	0.00	0.14	0.154	IO					0.43
58.083	0.00	0.14	0.153	IO					0.43
58.167	0.00	0.14	0.152	IO					0.42
58.250	0.00	0.13	0.151	IO					0.42
58.333	0.00	0.13	0.150	IO					0.42
58.417	0.00	0.13	0.150	IO					0.42
58.500	0.00	0.13	0.149	IO					0.41
58.583	0.00	0.13	0.148	IO					0.41
58.667	0.00	0.13	0.147	IO					0.41
58.750	0.00	0.13	0.146	IO					0.41
58.833	0.00	0.13	0.145	IO					0.40
58.917	0.00	0.13	0.144	IO					0.40
59.000	0.00	0.13	0.143	IO					0.40
59.083	0.00	0.13	0.142	IO					0.40
59.167	0.00	0.13	0.142	IO					0.39
59.250	0.00	0.13	0.141	IO					0.39
59.333	0.00	0.12	0.140	IO					0.39
59.417	0.00	0.12	0.139	IO					0.39
59.500	0.00	0.12	0.138	IO					0.38
59.583	0.00	0.12	0.137	IO					0.38
59.667	0.00	0.12	0.136	IO					0.38
59.750	0.00	0.12	0.136	IO					0.38
59.833	0.00	0.12	0.135	IO					0.37
59.917	0.00	0.12	0.134	IO					0.37
60.000	0.00	0.12	0.133	IO					0.37
60.083	0.00	0.12	0.132	IO					0.37

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

60.167	0.00	0.12	0.132	IO					0.37
60.250	0.00	0.12	0.131	IO					0.36
60.333	0.00	0.12	0.130	IO					0.36
60.417	0.00	0.11	0.129	IO					0.36
60.500	0.00	0.11	0.128	IO					0.36
60.583	0.00	0.11	0.128	IO					0.35
60.667	0.00	0.11	0.127	IO					0.35
60.750	0.00	0.11	0.126	IO					0.35
60.833	0.00	0.11	0.125	IO					0.35
60.917	0.00	0.11	0.124	IO					0.35
61.000	0.00	0.11	0.124	IO					0.34
61.083	0.00	0.11	0.123	IO					0.34
61.167	0.00	0.11	0.122	IO					0.34
61.250	0.00	0.11	0.121	IO					0.34
61.333	0.00	0.11	0.121	IO					0.34
61.417	0.00	0.11	0.120	IO					0.33
61.500	0.00	0.11	0.119	IO					0.33
61.583	0.00	0.11	0.119	IO					0.33
61.667	0.00	0.10	0.118	IO					0.33
61.750	0.00	0.10	0.117	O					0.33
61.833	0.00	0.10	0.116	O					0.32
61.917	0.00	0.10	0.116	O					0.32
62.000	0.00	0.10	0.115	O					0.32
62.083	0.00	0.10	0.114	O					0.32
62.167	0.00	0.10	0.114	O					0.32
62.250	0.00	0.10	0.113	O					0.31
62.333	0.00	0.10	0.112	O					0.31
62.417	0.00	0.10	0.111	O					0.31
62.500	0.00	0.10	0.111	O					0.31
62.583	0.00	0.10	0.110	O					0.31
62.667	0.00	0.10	0.109	O					0.30
62.750	0.00	0.10	0.109	O					0.30
62.833	0.00	0.10	0.108	O					0.30
62.917	0.00	0.10	0.107	O					0.30
63.000	0.00	0.09	0.107	O					0.30
63.083	0.00	0.09	0.106	O					0.29
63.167	0.00	0.09	0.105	O					0.29
63.250	0.00	0.09	0.105	O					0.29
63.333	0.00	0.09	0.104	O					0.29
63.417	0.00	0.09	0.104	O					0.29
63.500	0.00	0.09	0.103	O					0.29
63.583	0.00	0.09	0.102	O					0.28
63.667	0.00	0.09	0.102	O					0.28
63.750	0.00	0.09	0.101	O					0.28
63.833	0.00	0.09	0.100	O					0.28
63.917	0.00	0.09	0.100	O					0.28
64.000	0.00	0.09	0.099	O					0.28
64.083	0.00	0.09	0.099	O					0.27
64.167	0.00	0.09	0.098	O					0.27
64.250	0.00	0.09	0.097	O					0.27
64.333	0.00	0.09	0.097	O					0.27
64.417	0.00	0.09	0.096	O					0.27
64.500	0.00	0.09	0.096	O					0.27
64.583	0.00	0.08	0.095	O					0.26
64.667	0.00	0.08	0.094	O					0.26
64.750	0.00	0.08	0.094	O					0.26
64.833	0.00	0.08	0.093	O					0.26
64.917	0.00	0.08	0.093	O					0.26
65.000	0.00	0.08	0.092	O					0.26
65.083	0.00	0.08	0.092	O					0.25
65.167	0.00	0.08	0.091	O					0.25
65.250	0.00	0.08	0.091	O					0.25
65.333	0.00	0.08	0.090	O					0.25
65.417	0.00	0.08	0.089	O					0.25
65.500	0.00	0.08	0.089	O					0.25
65.583	0.00	0.08	0.088	O					0.25
65.667	0.00	0.08	0.088	O					0.24
65.750	0.00	0.08	0.087	O					0.24
65.833	0.00	0.08	0.087	O					0.24
65.917	0.00	0.08	0.086	O					0.24
66.000	0.00	0.08	0.086	O					0.24
66.083	0.00	0.08	0.085	O					0.24

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

66.167	0.00	0.08	0.085	0					0.24
66.250	0.00	0.07	0.084	0					0.23
66.333	0.00	0.07	0.084	0					0.23
66.417	0.00	0.07	0.083	0					0.23
66.500	0.00	0.07	0.083	0					0.23
66.583	0.00	0.07	0.082	0					0.23
66.667	0.00	0.07	0.082	0					0.23
66.750	0.00	0.07	0.081	0					0.23
66.833	0.00	0.07	0.081	0					0.22
66.917	0.00	0.07	0.080	0					0.22
67.000	0.00	0.07	0.080	0					0.22
67.083	0.00	0.07	0.079	0					0.22
67.167	0.00	0.07	0.079	0					0.22
67.250	0.00	0.07	0.078	0					0.22
67.333	0.00	0.07	0.078	0					0.22
67.417	0.00	0.07	0.077	0					0.21
67.500	0.00	0.07	0.077	0					0.21
67.583	0.00	0.07	0.076	0					0.21
67.667	0.00	0.07	0.076	0					0.21
67.750	0.00	0.07	0.075	0					0.21
67.833	0.00	0.07	0.075	0					0.21
67.917	0.00	0.07	0.074	0					0.21
68.000	0.00	0.07	0.074	0					0.21
68.083	0.00	0.07	0.074	0					0.20
68.167	0.00	0.06	0.073	0					0.20
68.250	0.00	0.06	0.073	0					0.20
68.333	0.00	0.06	0.072	0					0.20
68.417	0.00	0.06	0.072	0					0.20
68.500	0.00	0.06	0.071	0					0.20
68.583	0.00	0.06	0.071	0					0.20
68.667	0.00	0.06	0.070	0					0.20
68.750	0.00	0.06	0.070	0					0.19
68.833	0.00	0.06	0.070	0					0.19
68.917	0.00	0.06	0.069	0					0.19
69.000	0.00	0.06	0.069	0					0.19
69.083	0.00	0.06	0.068	0					0.19
69.167	0.00	0.06	0.068	0					0.19
69.250	0.00	0.06	0.067	0					0.19
69.333	0.00	0.06	0.067	0					0.19
69.417	0.00	0.06	0.067	0					0.19
69.500	0.00	0.06	0.066	0					0.18
69.583	0.00	0.06	0.066	0					0.18
69.667	0.00	0.06	0.065	0					0.18
69.750	0.00	0.06	0.065	0					0.18
69.833	0.00	0.06	0.065	0					0.18
69.917	0.00	0.06	0.064	0					0.18
70.000	0.00	0.06	0.064	0					0.18
70.083	0.00	0.06	0.063	0					0.18
70.167	0.00	0.06	0.063	0					0.18
70.250	0.00	0.06	0.063	0					0.17
70.333	0.00	0.06	0.062	0					0.17
70.417	0.00	0.06	0.062	0					0.17
70.500	0.00	0.05	0.062	0					0.17
70.583	0.00	0.05	0.061	0					0.17
70.667	0.00	0.05	0.061	0					0.17
70.750	0.00	0.05	0.060	0					0.17
70.833	0.00	0.05	0.060	0					0.17
70.917	0.00	0.05	0.060	0					0.17
71.000	0.00	0.05	0.059	0					0.16
71.083	0.00	0.05	0.059	0					0.16
71.167	0.00	0.05	0.059	0					0.16
71.250	0.00	0.05	0.058	0					0.16
71.333	0.00	0.05	0.058	0					0.16
71.417	0.00	0.05	0.058	0					0.16
71.500	0.00	0.05	0.057	0					0.16
71.583	0.00	0.05	0.057	0					0.16
71.667	0.00	0.05	0.056	0					0.16
71.750	0.00	0.05	0.056	0					0.16
71.833	0.00	0.05	0.056	0					0.16
71.917	0.00	0.05	0.055	0					0.15
72.000	0.00	0.05	0.055	0					0.15
72.083	0.00	0.05	0.055	0					0.15

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

72.167	0.00	0.05	0.054	0					0.15
72.250	0.00	0.05	0.054	0					0.15
72.333	0.00	0.05	0.054	0					0.15
72.417	0.00	0.05	0.053	0					0.15
72.500	0.00	0.05	0.053	0					0.15
72.583	0.00	0.05	0.053	0					0.15
72.667	0.00	0.05	0.052	0					0.15
72.750	0.00	0.05	0.052	0					0.14
72.833	0.00	0.05	0.052	0					0.14
72.917	0.00	0.05	0.052	0					0.14
73.000	0.00	0.05	0.051	0					0.14
73.083	0.00	0.05	0.051	0					0.14
73.167	0.00	0.04	0.051	0					0.14
73.250	0.00	0.04	0.050	0					0.14
73.333	0.00	0.04	0.050	0					0.14
73.417	0.00	0.04	0.050	0					0.14
73.500	0.00	0.04	0.049	0					0.14
73.583	0.00	0.04	0.049	0					0.14
73.667	0.00	0.04	0.049	0					0.14
73.750	0.00	0.04	0.048	0					0.13
73.833	0.00	0.04	0.048	0					0.13
73.917	0.00	0.04	0.048	0					0.13
74.000	0.00	0.04	0.048	0					0.13
74.083	0.00	0.04	0.047	0					0.13
74.167	0.00	0.04	0.047	0					0.13
74.250	0.00	0.04	0.047	0					0.13
74.333	0.00	0.04	0.046	0					0.13
74.417	0.00	0.04	0.046	0					0.13
74.500	0.00	0.04	0.046	0					0.13
74.583	0.00	0.04	0.046	0					0.13
74.667	0.00	0.04	0.045	0					0.13
74.750	0.00	0.04	0.045	0					0.13
74.833	0.00	0.04	0.045	0					0.12
74.917	0.00	0.04	0.044	0					0.12
75.000	0.00	0.04	0.044	0					0.12
75.083	0.00	0.04	0.044	0					0.12
75.167	0.00	0.04	0.044	0					0.12
75.250	0.00	0.04	0.043	0					0.12
75.333	0.00	0.04	0.043	0					0.12
75.417	0.00	0.04	0.043	0					0.12
75.500	0.00	0.04	0.043	0					0.12
75.583	0.00	0.04	0.042	0					0.12
75.667	0.00	0.04	0.042	0					0.12
75.750	0.00	0.04	0.042	0					0.12
75.833	0.00	0.04	0.042	0					0.12
75.917	0.00	0.04	0.041	0					0.11
76.000	0.00	0.04	0.041	0					0.11
76.083	0.00	0.04	0.041	0					0.11
76.167	0.00	0.04	0.041	0					0.11
76.250	0.00	0.04	0.040	0					0.11
76.333	0.00	0.04	0.040	0					0.11
76.417	0.00	0.04	0.040	0					0.11
76.500	0.00	0.04	0.040	0					0.11
76.583	0.00	0.03	0.039	0					0.11
76.667	0.00	0.03	0.039	0					0.11
76.750	0.00	0.03	0.039	0					0.11
76.833	0.00	0.03	0.039	0					0.11
76.917	0.00	0.03	0.038	0					0.11
77.000	0.00	0.03	0.038	0					0.11
77.083	0.00	0.03	0.038	0					0.11
77.167	0.00	0.03	0.038	0					0.10
77.250	0.00	0.03	0.037	0					0.10
77.333	0.00	0.03	0.037	0					0.10
77.417	0.00	0.03	0.037	0					0.10
77.500	0.00	0.03	0.037	0					0.10
77.583	0.00	0.03	0.037	0					0.10
77.667	0.00	0.03	0.036	0					0.10
77.750	0.00	0.03	0.036	0					0.10
77.833	0.00	0.03	0.036	0					0.10
77.917	0.00	0.03	0.036	0					0.10
78.000	0.00	0.03	0.035	0					0.10
78.083	0.00	0.03	0.035	0					0.10

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

78.167	0.00	0.03	0.035	0					0.10
78.250	0.00	0.03	0.035	0					0.10
78.333	0.00	0.03	0.035	0					0.10
78.417	0.00	0.03	0.034	0					0.10
78.500	0.00	0.03	0.034	0					0.09
78.583	0.00	0.03	0.034	0					0.09
78.667	0.00	0.03	0.034	0					0.09
78.750	0.00	0.03	0.034	0					0.09
78.833	0.00	0.03	0.033	0					0.09
78.917	0.00	0.03	0.033	0					0.09
79.000	0.00	0.03	0.033	0					0.09
79.083	0.00	0.03	0.033	0					0.09
79.167	0.00	0.03	0.033	0					0.09
79.250	0.00	0.03	0.032	0					0.09
79.333	0.00	0.03	0.032	0					0.09
79.417	0.00	0.03	0.032	0					0.09
79.500	0.00	0.03	0.032	0					0.09
79.583	0.00	0.03	0.032	0					0.09
79.667	0.00	0.03	0.031	0					0.09
79.750	0.00	0.03	0.031	0					0.09
79.833	0.00	0.03	0.031	0					0.09
79.917	0.00	0.03	0.031	0					0.09
80.000	0.00	0.03	0.031	0					0.09
80.083	0.00	0.03	0.030	0					0.08
80.167	0.00	0.03	0.030	0					0.08
80.250	0.00	0.03	0.030	0					0.08
80.333	0.00	0.03	0.030	0					0.08
80.417	0.00	0.03	0.030	0					0.08
80.500	0.00	0.03	0.030	0					0.08
80.583	0.00	0.03	0.029	0					0.08
80.667	0.00	0.03	0.029	0					0.08
80.750	0.00	0.03	0.029	0					0.08
80.833	0.00	0.03	0.029	0					0.08
80.917	0.00	0.03	0.029	0					0.08
81.000	0.00	0.03	0.028	0					0.08
81.083	0.00	0.03	0.028	0					0.08
81.167	0.00	0.02	0.028	0					0.08
81.250	0.00	0.02	0.028	0					0.08
81.333	0.00	0.02	0.028	0					0.08
81.417	0.00	0.02	0.028	0					0.08
81.500	0.00	0.02	0.027	0					0.08
81.583	0.00	0.02	0.027	0					0.08
81.667	0.00	0.02	0.027	0					0.08
81.750	0.00	0.02	0.027	0					0.07
81.833	0.00	0.02	0.027	0					0.07
81.917	0.00	0.02	0.027	0					0.07
82.000	0.00	0.02	0.026	0					0.07
82.083	0.00	0.02	0.026	0					0.07
82.167	0.00	0.02	0.026	0					0.07
82.250	0.00	0.02	0.026	0					0.07
82.333	0.00	0.02	0.026	0					0.07
82.417	0.00	0.02	0.026	0					0.07
82.500	0.00	0.02	0.025	0					0.07
82.583	0.00	0.02	0.025	0					0.07
82.667	0.00	0.02	0.025	0					0.07
82.750	0.00	0.02	0.025	0					0.07
82.833	0.00	0.02	0.025	0					0.07
82.917	0.00	0.02	0.025	0					0.07
83.000	0.00	0.02	0.025	0					0.07
83.083	0.00	0.02	0.024	0					0.07
83.167	0.00	0.02	0.024	0					0.07
83.250	0.00	0.02	0.024	0					0.07
83.333	0.00	0.02	0.024	0					0.07
83.417	0.00	0.02	0.024	0					0.07
83.500	0.00	0.02	0.024	0					0.07
83.583	0.00	0.02	0.024	0					0.07
83.667	0.00	0.02	0.023	0					0.06
83.750	0.00	0.02	0.023	0					0.06
83.833	0.00	0.02	0.023	0					0.06
83.917	0.00	0.02	0.023	0					0.06
84.000	0.00	0.02	0.023	0					0.06
84.083	0.00	0.02	0.023	0					0.06

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

84.167	0.00	0.02	0.023	0					0.06
84.250	0.00	0.02	0.022	0					0.06
84.333	0.00	0.02	0.022	0					0.06
84.417	0.00	0.02	0.022	0					0.06
84.500	0.00	0.02	0.022	0					0.06
84.583	0.00	0.02	0.022	0					0.06
84.667	0.00	0.02	0.022	0					0.06
84.750	0.00	0.02	0.022	0					0.06
84.833	0.00	0.02	0.021	0					0.06
84.917	0.00	0.02	0.021	0					0.06
85.000	0.00	0.02	0.021	0					0.06
85.083	0.00	0.02	0.021	0					0.06
85.167	0.00	0.02	0.021	0					0.06
85.250	0.00	0.02	0.021	0					0.06
85.333	0.00	0.02	0.021	0					0.06
85.417	0.00	0.02	0.021	0					0.06
85.500	0.00	0.02	0.020	0					0.06
85.583	0.00	0.02	0.020	0					0.06
85.667	0.00	0.02	0.020	0					0.06
85.750	0.00	0.02	0.020	0					0.06
85.833	0.00	0.02	0.020	0					0.06
85.917	0.00	0.02	0.020	0					0.06
86.000	0.00	0.02	0.020	0					0.05
86.083	0.00	0.02	0.020	0					0.05
86.167	0.00	0.02	0.019	0					0.05
86.250	0.00	0.02	0.019	0					0.05
86.333	0.00	0.02	0.019	0					0.05
86.417	0.00	0.02	0.019	0					0.05
86.500	0.00	0.02	0.019	0					0.05
86.583	0.00	0.02	0.019	0					0.05
86.667	0.00	0.02	0.019	0					0.05
86.750	0.00	0.02	0.019	0					0.05
86.833	0.00	0.02	0.019	0					0.05
86.917	0.00	0.02	0.018	0					0.05
87.000	0.00	0.02	0.018	0					0.05
87.083	0.00	0.02	0.018	0					0.05
87.167	0.00	0.02	0.018	0					0.05
87.250	0.00	0.02	0.018	0					0.05
87.333	0.00	0.02	0.018	0					0.05
87.417	0.00	0.02	0.018	0					0.05
87.500	0.00	0.02	0.018	0					0.05
87.583	0.00	0.02	0.018	0					0.05
87.667	0.00	0.02	0.017	0					0.05
87.750	0.00	0.02	0.017	0					0.05
87.833	0.00	0.02	0.017	0					0.05
87.917	0.00	0.02	0.017	0					0.05
88.000	0.00	0.02	0.017	0					0.05
88.083	0.00	0.02	0.017	0					0.05
88.167	0.00	0.01	0.017	0					0.05
88.250	0.00	0.01	0.017	0					0.05
88.333	0.00	0.01	0.017	0					0.05
88.417	0.00	0.01	0.017	0					0.05
88.500	0.00	0.01	0.016	0					0.05
88.583	0.00	0.01	0.016	0					0.05
88.667	0.00	0.01	0.016	0					0.05
88.750	0.00	0.01	0.016	0					0.04
88.833	0.00	0.01	0.016	0					0.04
88.917	0.00	0.01	0.016	0					0.04
89.000	0.00	0.01	0.016	0					0.04
89.083	0.00	0.01	0.016	0					0.04
89.167	0.00	0.01	0.016	0					0.04
89.250	0.00	0.01	0.016	0					0.04
89.333	0.00	0.01	0.015	0					0.04
89.417	0.00	0.01	0.015	0					0.04
89.500	0.00	0.01	0.015	0					0.04
89.583	0.00	0.01	0.015	0					0.04
89.667	0.00	0.01	0.015	0					0.04
89.750	0.00	0.01	0.015	0					0.04
89.833	0.00	0.01	0.015	0					0.04
89.917	0.00	0.01	0.015	0					0.04
90.000	0.00	0.01	0.015	0					0.04
90.083	0.00	0.01	0.015	0					0.04

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

90.167	0.00	0.01	0.015	0					0.04
90.250	0.00	0.01	0.014	0					0.04
90.333	0.00	0.01	0.014	0					0.04
90.417	0.00	0.01	0.014	0					0.04
90.500	0.00	0.01	0.014	0					0.04
90.583	0.00	0.01	0.014	0					0.04
90.667	0.00	0.01	0.014	0					0.04
90.750	0.00	0.01	0.014	0					0.04
90.833	0.00	0.01	0.014	0					0.04
90.917	0.00	0.01	0.014	0					0.04
91.000	0.00	0.01	0.014	0					0.04
91.083	0.00	0.01	0.014	0					0.04
91.167	0.00	0.01	0.013	0					0.04
91.250	0.00	0.01	0.013	0					0.04
91.333	0.00	0.01	0.013	0					0.04
91.417	0.00	0.01	0.013	0					0.04
91.500	0.00	0.01	0.013	0					0.04
91.583	0.00	0.01	0.013	0					0.04
91.667	0.00	0.01	0.013	0					0.04
91.750	0.00	0.01	0.013	0					0.04
91.833	0.00	0.01	0.013	0					0.04
91.917	0.00	0.01	0.013	0					0.04
92.000	0.00	0.01	0.013	0					0.04
92.083	0.00	0.01	0.013	0					0.04
92.167	0.00	0.01	0.013	0					0.03
92.250	0.00	0.01	0.012	0					0.03
92.333	0.00	0.01	0.012	0					0.03
92.417	0.00	0.01	0.012	0					0.03
92.500	0.00	0.01	0.012	0					0.03
92.583	0.00	0.01	0.012	0					0.03
92.667	0.00	0.01	0.012	0					0.03
92.750	0.00	0.01	0.012	0					0.03
92.833	0.00	0.01	0.012	0					0.03
92.917	0.00	0.01	0.012	0					0.03
93.000	0.00	0.01	0.012	0					0.03
93.083	0.00	0.01	0.012	0					0.03
93.167	0.00	0.01	0.012	0					0.03
93.250	0.00	0.01	0.012	0					0.03
93.333	0.00	0.01	0.012	0					0.03
93.417	0.00	0.01	0.011	0					0.03
93.500	0.00	0.01	0.011	0					0.03
93.583	0.00	0.01	0.011	0					0.03
93.667	0.00	0.01	0.011	0					0.03
93.750	0.00	0.01	0.011	0					0.03
93.833	0.00	0.01	0.011	0					0.03
93.917	0.00	0.01	0.011	0					0.03
94.000	0.00	0.01	0.011	0					0.03
94.083	0.00	0.01	0.011	0					0.03
94.167	0.00	0.01	0.011	0					0.03
94.250	0.00	0.01	0.011	0					0.03
94.333	0.00	0.01	0.011	0					0.03
94.417	0.00	0.01	0.011	0					0.03
94.500	0.00	0.01	0.011	0					0.03
94.583	0.00	0.01	0.010	0					0.03
94.667	0.00	0.01	0.010	0					0.03
94.750	0.00	0.01	0.010	0					0.03
94.833	0.00	0.01	0.010	0					0.03
94.917	0.00	0.01	0.010	0					0.03
95.000	0.00	0.01	0.010	0					0.03
95.083	0.00	0.01	0.010	0					0.03
95.167	0.00	0.01	0.010	0					0.03
95.250	0.00	0.01	0.010	0					0.03
95.333	0.00	0.01	0.010	0					0.03
95.417	0.00	0.01	0.010	0					0.03
95.500	0.00	0.01	0.010	0					0.03
95.583	0.00	0.01	0.010	0					0.03
95.667	0.00	0.01	0.010	0					0.03
95.750	0.00	0.01	0.010	0					0.03
95.833	0.00	0.01	0.010	0					0.03
95.917	0.00	0.01	0.010	0					0.03
96.000	0.00	0.01	0.009	0					0.03
96.083	0.00	0.01	0.009	0					0.03

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

96.167	0.00	0.01	0.009	0					0.03
96.250	0.00	0.01	0.009	0					0.03
96.333	0.00	0.01	0.009	0					0.03
96.417	0.00	0.01	0.009	0					0.03
96.500	0.00	0.01	0.009	0					0.03
96.583	0.00	0.01	0.009	0					0.03
96.667	0.00	0.01	0.009	0					0.03
96.750	0.00	0.01	0.009	0					0.02
96.833	0.00	0.01	0.009	0					0.02
96.917	0.00	0.01	0.009	0					0.02
97.000	0.00	0.01	0.009	0					0.02
97.083	0.00	0.01	0.009	0					0.02
97.167	0.00	0.01	0.009	0					0.02
97.250	0.00	0.01	0.009	0					0.02
97.333	0.00	0.01	0.009	0					0.02
97.417	0.00	0.01	0.009	0					0.02
97.500	0.00	0.01	0.008	0					0.02
97.583	0.00	0.01	0.008	0					0.02
97.667	0.00	0.01	0.008	0					0.02
97.750	0.00	0.01	0.008	0					0.02
97.833	0.00	0.01	0.008	0					0.02
97.917	0.00	0.01	0.008	0					0.02
98.000	0.00	0.01	0.008	0					0.02
98.083	0.00	0.01	0.008	0					0.02
98.167	0.00	0.01	0.008	0					0.02
98.250	0.00	0.01	0.008	0					0.02
98.333	0.00	0.01	0.008	0					0.02
98.417	0.00	0.01	0.008	0					0.02
98.500	0.00	0.01	0.008	0					0.02
98.583	0.00	0.01	0.008	0					0.02
98.667	0.00	0.01	0.008	0					0.02
98.750	0.00	0.01	0.008	0					0.02
98.833	0.00	0.01	0.008	0					0.02
98.917	0.00	0.01	0.008	0					0.02
99.000	0.00	0.01	0.008	0					0.02
99.083	0.00	0.01	0.008	0					0.02
99.167	0.00	0.01	0.007	0					0.02
99.250	0.00	0.01	0.007	0					0.02
99.333	0.00	0.01	0.007	0					0.02
99.417	0.00	0.01	0.007	0					0.02
99.500	0.00	0.01	0.007	0					0.02
99.583	0.00	0.01	0.007	0					0.02
99.667	0.00	0.01	0.007	0					0.02
99.750	0.00	0.01	0.007	0					0.02
99.833	0.00	0.01	0.007	0					0.02
99.917	0.00	0.01	0.007	0					0.02
100.000	0.00	0.01	0.007	0					0.02
100.083	0.00	0.01	0.007	0					0.02
100.167	0.00	0.01	0.007	0					0.02
100.250	0.00	0.01	0.007	0					0.02
100.333	0.00	0.01	0.007	0					0.02
100.417	0.00	0.01	0.007	0					0.02
100.500	0.00	0.01	0.007	0					0.02
100.583	0.00	0.01	0.007	0					0.02
100.667	0.00	0.01	0.007	0					0.02
100.750	0.00	0.01	0.007	0					0.02
100.833	0.00	0.01	0.007	0					0.02
100.917	0.00	0.01	0.007	0					0.02
101.000	0.00	0.01	0.007	0					0.02
101.083	0.00	0.01	0.007	0					0.02
101.167	0.00	0.01	0.006	0					0.02
101.250	0.00	0.01	0.006	0					0.02
101.333	0.00	0.01	0.006	0					0.02
101.417	0.00	0.01	0.006	0					0.02
101.500	0.00	0.01	0.006	0					0.02
101.583	0.00	0.01	0.006	0					0.02
101.667	0.00	0.01	0.006	0					0.02
101.750	0.00	0.01	0.006	0					0.02
101.833	0.00	0.01	0.006	0					0.02
101.917	0.00	0.01	0.006	0					0.02
102.000	0.00	0.01	0.006	0					0.02
102.083	0.00	0.01	0.006	0					0.02

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

102.167	0.00	0.01	0.006	0					0.02
102.250	0.00	0.01	0.006	0					0.02
102.333	0.00	0.01	0.006	0					0.02
102.417	0.00	0.01	0.006	0					0.02
102.500	0.00	0.01	0.006	0					0.02
102.583	0.00	0.01	0.006	0					0.02
102.667	0.00	0.01	0.006	0					0.02
102.750	0.00	0.01	0.006	0					0.02
102.833	0.00	0.01	0.006	0					0.02
102.917	0.00	0.01	0.006	0					0.02
103.000	0.00	0.01	0.006	0					0.02
103.083	0.00	0.00	0.006	0					0.02
103.167	0.00	0.00	0.006	0					0.02
103.250	0.00	0.00	0.006	0					0.02
103.333	0.00	0.00	0.006	0					0.02
103.417	0.00	0.00	0.005	0					0.02
103.500	0.00	0.00	0.005	0					0.02
103.583	0.00	0.00	0.005	0					0.02
103.667	0.00	0.00	0.005	0					0.01
103.750	0.00	0.00	0.005	0					0.01
103.833	0.00	0.00	0.005	0					0.01
103.917	0.00	0.00	0.005	0					0.01
104.000	0.00	0.00	0.005	0					0.01
104.083	0.00	0.00	0.005	0					0.01
104.167	0.00	0.00	0.005	0					0.01
104.250	0.00	0.00	0.005	0					0.01
104.333	0.00	0.00	0.005	0					0.01
104.417	0.00	0.00	0.005	0					0.01
104.500	0.00	0.00	0.005	0					0.01
104.583	0.00	0.00	0.005	0					0.01
104.667	0.00	0.00	0.005	0					0.01
104.750	0.00	0.00	0.005	0					0.01
104.833	0.00	0.00	0.005	0					0.01
104.917	0.00	0.00	0.005	0					0.01
105.000	0.00	0.00	0.005	0					0.01
105.083	0.00	0.00	0.005	0					0.01
105.167	0.00	0.00	0.005	0					0.01
105.250	0.00	0.00	0.005	0					0.01
105.333	0.00	0.00	0.005	0					0.01
105.417	0.00	0.00	0.005	0					0.01
105.500	0.00	0.00	0.005	0					0.01
105.583	0.00	0.00	0.005	0					0.01
105.667	0.00	0.00	0.005	0					0.01
105.750	0.00	0.00	0.005	0					0.01
105.833	0.00	0.00	0.005	0					0.01
105.917	0.00	0.00	0.005	0					0.01
106.000	0.00	0.00	0.005	0					0.01
106.083	0.00	0.00	0.005	0					0.01
106.167	0.00	0.00	0.004	0					0.01
106.250	0.00	0.00	0.004	0					0.01
106.333	0.00	0.00	0.004	0					0.01
106.417	0.00	0.00	0.004	0					0.01
106.500	0.00	0.00	0.004	0					0.01
106.583	0.00	0.00	0.004	0					0.01
106.667	0.00	0.00	0.004	0					0.01
106.750	0.00	0.00	0.004	0					0.01
106.833	0.00	0.00	0.004	0					0.01
106.917	0.00	0.00	0.004	0					0.01
107.000	0.00	0.00	0.004	0					0.01
107.083	0.00	0.00	0.004	0					0.01
107.167	0.00	0.00	0.004	0					0.01
107.250	0.00	0.00	0.004	0					0.01
107.333	0.00	0.00	0.004	0					0.01
107.417	0.00	0.00	0.004	0					0.01
107.500	0.00	0.00	0.004	0					0.01
107.583	0.00	0.00	0.004	0					0.01
107.667	0.00	0.00	0.004	0					0.01
107.750	0.00	0.00	0.004	0					0.01
107.833	0.00	0.00	0.004	0					0.01
107.917	0.00	0.00	0.004	0					0.01
108.000	0.00	0.00	0.004	0					0.01
108.083	0.00	0.00	0.004	0					0.01

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

108.167	0.00	0.00	0.004	0					0.01
108.250	0.00	0.00	0.004	0					0.01
108.333	0.00	0.00	0.004	0					0.01
108.417	0.00	0.00	0.004	0					0.01
108.500	0.00	0.00	0.004	0					0.01
108.583	0.00	0.00	0.004	0					0.01
108.667	0.00	0.00	0.004	0					0.01
108.750	0.00	0.00	0.004	0					0.01
108.833	0.00	0.00	0.004	0					0.01
108.917	0.00	0.00	0.004	0					0.01
109.000	0.00	0.00	0.004	0					0.01
109.083	0.00	0.00	0.004	0					0.01
109.167	0.00	0.00	0.004	0					0.01
109.250	0.00	0.00	0.004	0					0.01
109.333	0.00	0.00	0.004	0					0.01
109.417	0.00	0.00	0.004	0					0.01
109.500	0.00	0.00	0.004	0					0.01
109.583	0.00	0.00	0.003	0					0.01
109.667	0.00	0.00	0.003	0					0.01
109.750	0.00	0.00	0.003	0					0.01
109.833	0.00	0.00	0.003	0					0.01
109.917	0.00	0.00	0.003	0					0.01
110.000	0.00	0.00	0.003	0					0.01
110.083	0.00	0.00	0.003	0					0.01
110.167	0.00	0.00	0.003	0					0.01
110.250	0.00	0.00	0.003	0					0.01
110.333	0.00	0.00	0.003	0					0.01
110.417	0.00	0.00	0.003	0					0.01
110.500	0.00	0.00	0.003	0					0.01
110.583	0.00	0.00	0.003	0					0.01
110.667	0.00	0.00	0.003	0					0.01
110.750	0.00	0.00	0.003	0					0.01
110.833	0.00	0.00	0.003	0					0.01
110.917	0.00	0.00	0.003	0					0.01
111.000	0.00	0.00	0.003	0					0.01
111.083	0.00	0.00	0.003	0					0.01
111.167	0.00	0.00	0.003	0					0.01
111.250	0.00	0.00	0.003	0					0.01
111.333	0.00	0.00	0.003	0					0.01
111.417	0.00	0.00	0.003	0					0.01
111.500	0.00	0.00	0.003	0					0.01
111.583	0.00	0.00	0.003	0					0.01
111.667	0.00	0.00	0.003	0					0.01
111.750	0.00	0.00	0.003	0					0.01
111.833	0.00	0.00	0.003	0					0.01
111.917	0.00	0.00	0.003	0					0.01
112.000	0.00	0.00	0.003	0					0.01
112.083	0.00	0.00	0.003	0					0.01
112.167	0.00	0.00	0.003	0					0.01
112.250	0.00	0.00	0.003	0					0.01
112.333	0.00	0.00	0.003	0					0.01
112.417	0.00	0.00	0.003	0					0.01
112.500	0.00	0.00	0.003	0					0.01
112.583	0.00	0.00	0.003	0					0.01
112.667	0.00	0.00	0.003	0					0.01
112.750	0.00	0.00	0.003	0					0.01
112.833	0.00	0.00	0.003	0					0.01
112.917	0.00	0.00	0.003	0					0.01
113.000	0.00	0.00	0.003	0					0.01
113.083	0.00	0.00	0.003	0					0.01
113.167	0.00	0.00	0.003	0					0.01
113.250	0.00	0.00	0.003	0					0.01
113.333	0.00	0.00	0.003	0					0.01
113.417	0.00	0.00	0.003	0					0.01
113.500	0.00	0.00	0.003	0					0.01
113.583	0.00	0.00	0.003	0					0.01
113.667	0.00	0.00	0.003	0					0.01
113.750	0.00	0.00	0.003	0					0.01
113.833	0.00	0.00	0.003	0					0.01
113.917	0.00	0.00	0.003	0					0.01
114.000	0.00	0.00	0.003	0					0.01
114.083	0.00	0.00	0.003	0					0.01

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

114.167	0.00	0.00	0.002	0					0.01
114.250	0.00	0.00	0.002	0					0.01
114.333	0.00	0.00	0.002	0					0.01
114.417	0.00	0.00	0.002	0					0.01
114.500	0.00	0.00	0.002	0					0.01
114.583	0.00	0.00	0.002	0					0.01
114.667	0.00	0.00	0.002	0					0.01
114.750	0.00	0.00	0.002	0					0.01
114.833	0.00	0.00	0.002	0					0.01
114.917	0.00	0.00	0.002	0					0.01
115.000	0.00	0.00	0.002	0					0.01
115.083	0.00	0.00	0.002	0					0.01
115.167	0.00	0.00	0.002	0					0.01
115.250	0.00	0.00	0.002	0					0.01
115.333	0.00	0.00	0.002	0					0.01
115.417	0.00	0.00	0.002	0					0.01
115.500	0.00	0.00	0.002	0					0.01
115.583	0.00	0.00	0.002	0					0.01
115.667	0.00	0.00	0.002	0					0.01
115.750	0.00	0.00	0.002	0					0.01
115.833	0.00	0.00	0.002	0					0.01
115.917	0.00	0.00	0.002	0					0.01
116.000	0.00	0.00	0.002	0					0.01
116.083	0.00	0.00	0.002	0					0.01
116.167	0.00	0.00	0.002	0					0.01
116.250	0.00	0.00	0.002	0					0.01
116.333	0.00	0.00	0.002	0					0.01
116.417	0.00	0.00	0.002	0					0.01
116.500	0.00	0.00	0.002	0					0.01
116.583	0.00	0.00	0.002	0					0.01
116.667	0.00	0.00	0.002	0					0.01
116.750	0.00	0.00	0.002	0					0.01
116.833	0.00	0.00	0.002	0					0.01
116.917	0.00	0.00	0.002	0					0.01
117.000	0.00	0.00	0.002	0					0.01
117.083	0.00	0.00	0.002	0					0.01
117.167	0.00	0.00	0.002	0					0.01
117.250	0.00	0.00	0.002	0					0.01
117.333	0.00	0.00	0.002	0					0.01
117.417	0.00	0.00	0.002	0					0.01
117.500	0.00	0.00	0.002	0					0.01
117.583	0.00	0.00	0.002	0					0.01
117.667	0.00	0.00	0.002	0					0.01
117.750	0.00	0.00	0.002	0					0.01
117.833	0.00	0.00	0.002	0					0.01
117.917	0.00	0.00	0.002	0					0.01
118.000	0.00	0.00	0.002	0					0.01
118.083	0.00	0.00	0.002	0					0.01
118.167	0.00	0.00	0.002	0					0.01
118.250	0.00	0.00	0.002	0					0.01
118.333	0.00	0.00	0.002	0					0.01
118.417	0.00	0.00	0.002	0					0.01
118.500	0.00	0.00	0.002	0					0.01
118.583	0.00	0.00	0.002	0					0.00
118.667	0.00	0.00	0.002	0					0.00
118.750	0.00	0.00	0.002	0					0.00
118.833	0.00	0.00	0.002	0					0.00
118.917	0.00	0.00	0.002	0					0.00
119.000	0.00	0.00	0.002	0					0.00
119.083	0.00	0.00	0.002	0					0.00
119.167	0.00	0.00	0.002	0					0.00
119.250	0.00	0.00	0.002	0					0.00
119.333	0.00	0.00	0.002	0					0.00
119.417	0.00	0.00	0.002	0					0.00
119.500	0.00	0.00	0.002	0					0.00
119.583	0.00	0.00	0.002	0					0.00
119.667	0.00	0.00	0.002	0					0.00
119.750	0.00	0.00	0.002	0					0.00
119.833	0.00	0.00	0.002	0					0.00
119.917	0.00	0.00	0.002	0					0.00
120.000	0.00	0.00	0.002	0					0.00
120.083	0.00	0.00	0.002	0					0.00

Glen Ivy Senior Living

ATTACHMENT D – Detention Basin Routing

120.167	0.00	0.00	0.002	0					0.00
120.250	0.00	0.00	0.002	0					0.00
120.333	0.00	0.00	0.002	0					0.00
120.417	0.00	0.00	0.002	0					0.00
120.500	0.00	0.00	0.002	0					0.00
120.583	0.00	0.00	0.002	0					0.00
120.667	0.00	0.00	0.002	0					0.00
120.750	0.00	0.00	0.002	0					0.00
120.833	0.00	0.00	0.002	0					0.00
120.917	0.00	0.00	0.002	0					0.00
121.000	0.00	0.00	0.002	0					0.00
121.083	0.00	0.00	0.001	0					0.00
121.167	0.00	0.00	0.001	0					0.00
121.250	0.00	0.00	0.001	0					0.00
121.333	0.00	0.00	0.001	0					0.00
121.417	0.00	0.00	0.001	0					0.00
121.500	0.00	0.00	0.001	0					0.00
121.583	0.00	0.00	0.001	0					0.00
121.667	0.00	0.00	0.001	0					0.00
121.750	0.00	0.00	0.001	0					0.00
121.833	0.00	0.00	0.001	0					0.00
121.917	0.00	0.00	0.001	0					0.00
122.000	0.00	0.00	0.001	0					0.00
122.083	0.00	0.00	0.001	0					0.00
122.167	0.00	0.00	0.001	0					0.00
122.250	0.00	0.00	0.001	0					0.00
122.333	0.00	0.00	0.001	0					0.00
122.417	0.00	0.00	0.001	0					0.00
122.500	0.00	0.00	0.001	0					0.00
122.583	0.00	0.00	0.001	0					0.00
122.667	0.00	0.00	0.001	0					0.00
122.750	0.00	0.00	0.001	0					0.00
122.833	0.00	0.00	0.001	0					0.00
122.917	0.00	0.00	0.001	0					0.00
123.000	0.00	0.00	0.001	0					0.00
123.083	0.00	0.00	0.001	0					0.00
123.167	0.00	0.00	0.001	0					0.00
123.250	0.00	0.00	0.001	0					0.00
123.333	0.00	0.00	0.001	0					0.00
123.417	0.00	0.00	0.001	0					0.00
123.500	0.00	0.00	0.001	0					0.00
123.583	0.00	0.00	0.001	0					0.00
123.667	0.00	0.00	0.001	0					0.00
123.750	0.00	0.00	0.001	0					0.00
123.833	0.00	0.00	0.001	0					0.00
123.917	0.00	0.00	0.001	0					0.00
124.000	0.00	0.00	0.001	0					0.00
124.083	0.00	0.00	0.001	0					0.00
124.167	0.00	0.00	0.001	0					0.00
124.250	0.00	0.00	0.001	0					0.00
124.333	0.00	0.00	0.001	0					0.00
124.417	0.00	0.00	0.001	0					0.00
124.500	0.00	0.00	0.001	0					0.00
124.583	0.00	0.00	0.001	0					0.00
124.667	0.00	0.00	0.001	0					0.00
124.750	0.00	0.00	0.001	0					0.00
124.833	0.00	0.00	0.001	0					0.00
124.917	0.00	0.00	0.001	0					0.00
125.000	0.00	0.00	0.001	0					0.00

Remaining water in basin = 0.00 (Ac.Ft)

*****HYDROGRAPH DATA*****

Number of intervals = 1500
 Time interval = 5.0 (Min.)
 Maximum/Peak flow rate = 0.722 (CFS)
 Total volume = 2.027 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000

Glen Ivy Senior Living
ATTACHMENT D – Detention Basin Routing

Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000
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Glen Ivy Senior Living

ATTACHMENT D – Detention Basin Routing

FLOOD HYDROGRAPH ROUTING PROGRAM
 Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2005
 Study date: 08/18/20

 Glen Ivy Senior Living
 Inflow Hydrograph Calculations
 Detention Basin A
 10-year 1-hour storm

Program License Serial Number 4029

 ***** HYDROGRAPH INFORMATION *****

From study/file name: sh10pr110.rte
 *****HYDROGRAPH DATA*****
 Number of intervals = 15
 Time interval = 5.0 (Min.)
 Maximum/Peak flow rate = 18.102 (CFS)
 Total volume = 0.657 (Ac.Ft)
 Status of hydrographs being held in storage
 Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
 Peak (CFS) 0.000 0.000 0.000 0.000 0.000
 Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
 Process from Point/Station 10.000 to Point/Station 11.000
 **** RETARDING BASIN ROUTING ****

 User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 15
 Hydrograph time unit = 5.000 (Min.)
 Initial depth in storage basin = 0.00 (Ft.)

Initial basin depth = 0.00 (Ft.)
 Initial basin storage = 0.00 (Ac.Ft)
 Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.360	0.320	0.359	0.361
2.000	0.810	0.460	0.808	0.812
3.000	1.310	0.680	1.308	1.312
4.000	1.860	0.880	1.857	1.863
5.000	2.470	6.320	2.448	2.492
6.000	3.140	16.140	3.084	3.196

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	Depth (Ft.)
0.083	1.72	0.01	0.006	0.02

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

0.167	3.40	0.02	0.023	O	I						0.07
0.250	4.20	0.04	0.049	O	I						0.14
0.333	4.76	0.07	0.080	O	I						0.22
0.417	4.98	0.10	0.113	O	I						0.31
0.500	5.48	0.13	0.148	O		I					0.41
0.583	6.53	0.17	0.188	O			I				0.52
0.667	7.84	0.21	0.237	O				I			0.66
0.750	10.27	0.26	0.297	O					I		0.83
0.833	18.10	0.33	0.393	O						I	1.07
0.917	15.92	0.37	0.508	O						I	1.33
1.000	7.86	0.39	0.587	O			I				1.50
1.083	3.53	0.40	0.623	O	I						1.59
1.167	0.67	0.41	0.635	O	I						1.61
1.250	0.17	0.41	0.635	O							1.61
1.333	0.00	0.40	0.633	O							1.61
1.417	0.00	0.40	0.630	O							1.60
1.500	0.00	0.40	0.627	O							1.59
1.583	0.00	0.40	0.625	O							1.59
1.667	0.00	0.40	0.622	O							1.58
1.750	0.00	0.40	0.619	O							1.58
1.833	0.00	0.40	0.616	O							1.57
1.917	0.00	0.40	0.614	O							1.56
2.000	0.00	0.40	0.611	O							1.56
2.083	0.00	0.40	0.608	O							1.55
2.167	0.00	0.40	0.605	O							1.55
2.250	0.00	0.40	0.603	O							1.54
2.333	0.00	0.39	0.600	O							1.53
2.417	0.00	0.39	0.597	O							1.53
2.500	0.00	0.39	0.595	O							1.52
2.583	0.00	0.39	0.592	O							1.52
2.667	0.00	0.39	0.589	O							1.51
2.750	0.00	0.39	0.586	O							1.50
2.833	0.00	0.39	0.584	O							1.50
2.917	0.00	0.39	0.581	O							1.49
3.000	0.00	0.39	0.578	O							1.49
3.083	0.00	0.39	0.576	O							1.48
3.167	0.00	0.39	0.573	O							1.47
3.250	0.00	0.39	0.570	O							1.47
3.333	0.00	0.38	0.568	O							1.46
3.417	0.00	0.38	0.565	O							1.46
3.500	0.00	0.38	0.562	O							1.45
3.583	0.00	0.38	0.560	O							1.44
3.667	0.00	0.38	0.557	O							1.44
3.750	0.00	0.38	0.555	O							1.43
3.833	0.00	0.38	0.552	O							1.43
3.917	0.00	0.38	0.549	O							1.42
4.000	0.00	0.38	0.547	O							1.42
4.083	0.00	0.38	0.544	O							1.41
4.167	0.00	0.38	0.542	O							1.40
4.250	0.00	0.38	0.539	O							1.40
4.333	0.00	0.37	0.536	O							1.39
4.417	0.00	0.37	0.534	O							1.39
4.500	0.00	0.37	0.531	O							1.38
4.583	0.00	0.37	0.529	O							1.37
4.667	0.00	0.37	0.526	O							1.37
4.750	0.00	0.37	0.524	O							1.36
4.833	0.00	0.37	0.521	O							1.36
4.917	0.00	0.37	0.518	O							1.35
5.000	0.00	0.37	0.516	O							1.35
5.083	0.00	0.37	0.513	O							1.34
5.167	0.00	0.37	0.511	O							1.34
5.250	0.00	0.37	0.508	O							1.33
5.333	0.00	0.37	0.506	O							1.32
5.417	0.00	0.36	0.503	O							1.32
5.500	0.00	0.36	0.501	O							1.31
5.583	0.00	0.36	0.498	O							1.31
5.667	0.00	0.36	0.496	O							1.30
5.750	0.00	0.36	0.493	O							1.30
5.833	0.00	0.36	0.491	O							1.29
5.917	0.00	0.36	0.488	O							1.29
6.000	0.00	0.36	0.486	O							1.28
6.083	0.00	0.36	0.483	O							1.27

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

6.167	0.00	0.36	0.481	0					1.27
6.250	0.00	0.36	0.478	0					1.26
6.333	0.00	0.36	0.476	0					1.26
6.417	0.00	0.36	0.474	0					1.25
6.500	0.00	0.35	0.471	0					1.25
6.583	0.00	0.35	0.469	0					1.24
6.667	0.00	0.35	0.466	0					1.24
6.750	0.00	0.35	0.464	0					1.23
6.833	0.00	0.35	0.461	0					1.23
6.917	0.00	0.35	0.459	0					1.22
7.000	0.00	0.35	0.457	0					1.21
7.083	0.00	0.35	0.454	0					1.21
7.167	0.00	0.35	0.452	0					1.20
7.250	0.00	0.35	0.449	0					1.20
7.333	0.00	0.35	0.447	0					1.19
7.417	0.00	0.35	0.445	0					1.19
7.500	0.00	0.35	0.442	0					1.18
7.583	0.00	0.34	0.440	0					1.18
7.667	0.00	0.34	0.437	0					1.17
7.750	0.00	0.34	0.435	0					1.17
7.833	0.00	0.34	0.433	0					1.16
7.917	0.00	0.34	0.430	0					1.16
8.000	0.00	0.34	0.428	0					1.15
8.083	0.00	0.34	0.426	0					1.15
8.167	0.00	0.34	0.423	0					1.14
8.250	0.00	0.34	0.421	0					1.14
8.333	0.00	0.34	0.419	0					1.13
8.417	0.00	0.34	0.416	0					1.13
8.500	0.00	0.34	0.414	0					1.12
8.583	0.00	0.34	0.412	0					1.11
8.667	0.00	0.34	0.409	0					1.11
8.750	0.00	0.33	0.407	0					1.10
8.833	0.00	0.33	0.405	0					1.10
8.917	0.00	0.33	0.402	0					1.09
9.000	0.00	0.33	0.400	0					1.09
9.083	0.00	0.33	0.398	0					1.08
9.167	0.00	0.33	0.396	0					1.08
9.250	0.00	0.33	0.393	0					1.07
9.333	0.00	0.33	0.391	0					1.07
9.417	0.00	0.33	0.389	0					1.06
9.500	0.00	0.33	0.386	0					1.06
9.583	0.00	0.33	0.384	0					1.05
9.667	0.00	0.33	0.382	0					1.05
9.750	0.00	0.33	0.380	0					1.04
9.833	0.00	0.33	0.377	0					1.04
9.917	0.00	0.32	0.375	0					1.03
10.000	0.00	0.32	0.373	0					1.03
10.083	0.00	0.32	0.371	0					1.02
10.167	0.00	0.32	0.369	0					1.02
10.250	0.00	0.32	0.366	0					1.01
10.333	0.00	0.32	0.364	0					1.01
10.417	0.00	0.32	0.362	0					1.00
10.500	0.00	0.32	0.360	0					1.00
10.583	0.00	0.32	0.358	0					0.99
10.667	0.00	0.32	0.355	0					0.99
10.750	0.00	0.31	0.353	0					0.98
10.833	0.00	0.31	0.351	0					0.98
10.917	0.00	0.31	0.349	0					0.97
11.000	0.00	0.31	0.347	0					0.96
11.083	0.00	0.31	0.345	0					0.96
11.167	0.00	0.30	0.343	0					0.95
11.250	0.00	0.30	0.340	0					0.95
11.333	0.00	0.30	0.338	0					0.94
11.417	0.00	0.30	0.336	0					0.93
11.500	0.00	0.30	0.334	0					0.93
11.583	0.00	0.30	0.332	0					0.92
11.667	0.00	0.29	0.330	0					0.92
11.750	0.00	0.29	0.328	0					0.91
11.833	0.00	0.29	0.326	0					0.91
11.917	0.00	0.29	0.324	0					0.90
12.000	0.00	0.29	0.322	0					0.89
12.083	0.00	0.28	0.320	0					0.89

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

12.167	0.00	0.28	0.318	0					0.88
12.250	0.00	0.28	0.316	0					0.88
12.333	0.00	0.28	0.314	0					0.87
12.417	0.00	0.28	0.312	0					0.87
12.500	0.00	0.28	0.311	0					0.86
12.583	0.00	0.27	0.309	0					0.86
12.667	0.00	0.27	0.307	0					0.85
12.750	0.00	0.27	0.305	0					0.85
12.833	0.00	0.27	0.303	0					0.84
12.917	0.00	0.27	0.301	0					0.84
13.000	0.00	0.27	0.299	0					0.83
13.083	0.00	0.26	0.298	0					0.83
13.167	0.00	0.26	0.296	0					0.82
13.250	0.00	0.26	0.294	0					0.82
13.333	0.00	0.26	0.292	0					0.81
13.417	0.00	0.26	0.290	0					0.81
13.500	0.00	0.26	0.289	0					0.80
13.583	0.00	0.25	0.287	0					0.80
13.667	0.00	0.25	0.285	0					0.79
13.750	0.00	0.25	0.283	0					0.79
13.833	0.00	0.25	0.282	0					0.78
13.917	0.00	0.25	0.280	0					0.78
14.000	0.00	0.25	0.278	0					0.77
14.083	0.00	0.25	0.276	0					0.77
14.167	0.00	0.24	0.275	0					0.76
14.250	0.00	0.24	0.273	0					0.76
14.333	0.00	0.24	0.271	0					0.75
14.417	0.00	0.24	0.270	0					0.75
14.500	0.00	0.24	0.268	0					0.74
14.583	0.00	0.24	0.266	0					0.74
14.667	0.00	0.24	0.265	0					0.74
14.750	0.00	0.23	0.263	0					0.73
14.833	0.00	0.23	0.262	0					0.73
14.917	0.00	0.23	0.260	0					0.72
15.000	0.00	0.23	0.258	0					0.72
15.083	0.00	0.23	0.257	0					0.71
15.167	0.00	0.23	0.255	0					0.71
15.250	0.00	0.23	0.254	0					0.70
15.333	0.00	0.22	0.252	0					0.70
15.417	0.00	0.22	0.251	0					0.70
15.500	0.00	0.22	0.249	0					0.69
15.583	0.00	0.22	0.248	0					0.69
15.667	0.00	0.22	0.246	0					0.68
15.750	0.00	0.22	0.245	0					0.68
15.833	0.00	0.22	0.243	0					0.68
15.917	0.00	0.21	0.242	0					0.67
16.000	0.00	0.21	0.240	0					0.67
16.083	0.00	0.21	0.239	0					0.66
16.167	0.00	0.21	0.237	0					0.66
16.250	0.00	0.21	0.236	0					0.65
16.333	0.00	0.21	0.234	0					0.65
16.417	0.00	0.21	0.233	0					0.65
16.500	0.00	0.21	0.231	0					0.64
16.583	0.00	0.20	0.230	0					0.64
16.667	0.00	0.20	0.229	0					0.64
16.750	0.00	0.20	0.227	0					0.63
16.833	0.00	0.20	0.226	0					0.63
16.917	0.00	0.20	0.225	0					0.62
17.000	0.00	0.20	0.223	0					0.62
17.083	0.00	0.20	0.222	0					0.62
17.167	0.00	0.20	0.220	0					0.61
17.250	0.00	0.19	0.219	0					0.61
17.333	0.00	0.19	0.218	0					0.60
17.417	0.00	0.19	0.216	0					0.60
17.500	0.00	0.19	0.215	0					0.60
17.583	0.00	0.19	0.214	0					0.59
17.667	0.00	0.19	0.212	0					0.59
17.750	0.00	0.19	0.211	0					0.59
17.833	0.00	0.19	0.210	0					0.58
17.917	0.00	0.19	0.209	0					0.58
18.000	0.00	0.18	0.207	0					0.58
18.083	0.00	0.18	0.206	0					0.57

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

18.167	0.00	0.18	0.205	0					0.57
18.250	0.00	0.18	0.204	0					0.57
18.333	0.00	0.18	0.202	0					0.56
18.417	0.00	0.18	0.201	0					0.56
18.500	0.00	0.18	0.200	0					0.56
18.583	0.00	0.18	0.199	0					0.55
18.667	0.00	0.18	0.197	0					0.55
18.750	0.00	0.17	0.196	0					0.55
18.833	0.00	0.17	0.195	0					0.54
18.917	0.00	0.17	0.194	0					0.54
19.000	0.00	0.17	0.193	0					0.54
19.083	0.00	0.17	0.191	0					0.53
19.167	0.00	0.17	0.190	0					0.53
19.250	0.00	0.17	0.189	0					0.53
19.333	0.00	0.17	0.188	0					0.52
19.417	0.00	0.17	0.187	0					0.52
19.500	0.00	0.17	0.186	0					0.52
19.583	0.00	0.16	0.185	0					0.51
19.667	0.00	0.16	0.183	0					0.51
19.750	0.00	0.16	0.182	0					0.51
19.833	0.00	0.16	0.181	0					0.50
19.917	0.00	0.16	0.180	0					0.50
20.000	0.00	0.16	0.179	0					0.50
20.083	0.00	0.16	0.178	0					0.49
20.167	0.00	0.16	0.177	0					0.49
20.250	0.00	0.16	0.176	0					0.49
20.333	0.00	0.16	0.175	0					0.49
20.417	0.00	0.15	0.174	0					0.48
20.500	0.00	0.15	0.173	0					0.48
20.583	0.00	0.15	0.171	0					0.48
20.667	0.00	0.15	0.170	0					0.47
20.750	0.00	0.15	0.169	0					0.47
20.833	0.00	0.15	0.168	0					0.47
20.917	0.00	0.15	0.167	0					0.46
21.000	0.00	0.15	0.166	0					0.46
21.083	0.00	0.15	0.165	0					0.46
21.167	0.00	0.15	0.164	0					0.46
21.250	0.00	0.15	0.163	0					0.45
21.333	0.00	0.14	0.162	0					0.45
21.417	0.00	0.14	0.161	0					0.45
21.500	0.00	0.14	0.160	0					0.45
21.583	0.00	0.14	0.159	0					0.44
21.667	0.00	0.14	0.158	0					0.44
21.750	0.00	0.14	0.157	0					0.44
21.833	0.00	0.14	0.156	0					0.43
21.917	0.00	0.14	0.155	0					0.43
22.000	0.00	0.14	0.155	0					0.43
22.083	0.00	0.14	0.154	0					0.43
22.167	0.00	0.14	0.153	0					0.42
22.250	0.00	0.13	0.152	0					0.42
22.333	0.00	0.13	0.151	0					0.42
22.417	0.00	0.13	0.150	0					0.42
22.500	0.00	0.13	0.149	0					0.41
22.583	0.00	0.13	0.148	0					0.41
22.667	0.00	0.13	0.147	0					0.41
22.750	0.00	0.13	0.146	0					0.41
22.833	0.00	0.13	0.145	0					0.40
22.917	0.00	0.13	0.144	0					0.40
23.000	0.00	0.13	0.144	0					0.40
23.083	0.00	0.13	0.143	0					0.40
23.167	0.00	0.13	0.142	0					0.39
23.250	0.00	0.13	0.141	0					0.39
23.333	0.00	0.12	0.140	0					0.39
23.417	0.00	0.12	0.139	0					0.39
23.500	0.00	0.12	0.138	0					0.38
23.583	0.00	0.12	0.138	0					0.38
23.667	0.00	0.12	0.137	0					0.38
23.750	0.00	0.12	0.136	0					0.38
23.833	0.00	0.12	0.135	0					0.38
23.917	0.00	0.12	0.134	0					0.37
24.000	0.00	0.12	0.133	0					0.37
24.083	0.00	0.12	0.133	0					0.37

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

24.167	0.00	0.12	0.132	0					0.37
24.250	0.00	0.12	0.131	0					0.36
24.333	0.00	0.12	0.130	0					0.36
24.417	0.00	0.12	0.129	0					0.36
24.500	0.00	0.11	0.129	0					0.36
24.583	0.00	0.11	0.128	0					0.36
24.667	0.00	0.11	0.127	0					0.35
24.750	0.00	0.11	0.126	0					0.35
24.833	0.00	0.11	0.126	0					0.35
24.917	0.00	0.11	0.125	0					0.35
25.000	0.00	0.11	0.124	0					0.34
25.083	0.00	0.11	0.123	0					0.34
25.167	0.00	0.11	0.122	0					0.34
25.250	0.00	0.11	0.122	0					0.34
25.333	0.00	0.11	0.121	0					0.34
25.417	0.00	0.11	0.120	0					0.33
25.500	0.00	0.11	0.120	0					0.33
25.583	0.00	0.11	0.119	0					0.33
25.667	0.00	0.10	0.118	0					0.33
25.750	0.00	0.10	0.117	0					0.33
25.833	0.00	0.10	0.117	0					0.32
25.917	0.00	0.10	0.116	0					0.32
26.000	0.00	0.10	0.115	0					0.32
26.083	0.00	0.10	0.114	0					0.32
26.167	0.00	0.10	0.114	0					0.32
26.250	0.00	0.10	0.113	0					0.31
26.333	0.00	0.10	0.112	0					0.31
26.417	0.00	0.10	0.112	0					0.31
26.500	0.00	0.10	0.111	0					0.31
26.583	0.00	0.10	0.110	0					0.31
26.667	0.00	0.10	0.110	0					0.30
26.750	0.00	0.10	0.109	0					0.30
26.833	0.00	0.10	0.108	0					0.30
26.917	0.00	0.10	0.108	0					0.30
27.000	0.00	0.10	0.107	0					0.30
27.083	0.00	0.09	0.106	0					0.30
27.167	0.00	0.09	0.106	0					0.29
27.250	0.00	0.09	0.105	0					0.29
27.333	0.00	0.09	0.104	0					0.29
27.417	0.00	0.09	0.104	0					0.29
27.500	0.00	0.09	0.103	0					0.29
27.583	0.00	0.09	0.103	0					0.28
27.667	0.00	0.09	0.102	0					0.28
27.750	0.00	0.09	0.101	0					0.28
27.833	0.00	0.09	0.101	0					0.28
27.917	0.00	0.09	0.100	0					0.28
28.000	0.00	0.09	0.099	0					0.28
28.083	0.00	0.09	0.099	0					0.27
28.167	0.00	0.09	0.098	0					0.27
28.250	0.00	0.09	0.098	0					0.27
28.333	0.00	0.09	0.097	0					0.27
28.417	0.00	0.09	0.096	0					0.27
28.500	0.00	0.09	0.096	0					0.27
28.583	0.00	0.08	0.095	0					0.26
28.667	0.00	0.08	0.095	0					0.26
28.750	0.00	0.08	0.094	0					0.26
28.833	0.00	0.08	0.094	0					0.26
28.917	0.00	0.08	0.093	0					0.26
29.000	0.00	0.08	0.092	0					0.26
29.083	0.00	0.08	0.092	0					0.26
29.167	0.00	0.08	0.091	0					0.25
29.250	0.00	0.08	0.091	0					0.25
29.333	0.00	0.08	0.090	0					0.25
29.417	0.00	0.08	0.090	0					0.25
29.500	0.00	0.08	0.089	0					0.25
29.583	0.00	0.08	0.089	0					0.25
29.667	0.00	0.08	0.088	0					0.24
29.750	0.00	0.08	0.087	0					0.24
29.833	0.00	0.08	0.087	0					0.24
29.917	0.00	0.08	0.086	0					0.24
30.000	0.00	0.08	0.086	0					0.24
30.083	0.00	0.08	0.085	0					0.24

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

30.167	0.00	0.08	0.085	0					0.24
30.250	0.00	0.07	0.084	0					0.23
30.333	0.00	0.07	0.084	0					0.23
30.417	0.00	0.07	0.083	0					0.23
30.500	0.00	0.07	0.083	0					0.23
30.583	0.00	0.07	0.082	0					0.23
30.667	0.00	0.07	0.082	0					0.23
30.750	0.00	0.07	0.081	0					0.23
30.833	0.00	0.07	0.081	0					0.22
30.917	0.00	0.07	0.080	0					0.22
31.000	0.00	0.07	0.080	0					0.22
31.083	0.00	0.07	0.079	0					0.22
31.167	0.00	0.07	0.079	0					0.22
31.250	0.00	0.07	0.078	0					0.22
31.333	0.00	0.07	0.078	0					0.22
31.417	0.00	0.07	0.077	0					0.21
31.500	0.00	0.07	0.077	0					0.21
31.583	0.00	0.07	0.076	0					0.21
31.667	0.00	0.07	0.076	0					0.21
31.750	0.00	0.07	0.076	0					0.21
31.833	0.00	0.07	0.075	0					0.21
31.917	0.00	0.07	0.075	0					0.21
32.000	0.00	0.07	0.074	0					0.21
32.083	0.00	0.07	0.074	0					0.20
32.167	0.00	0.07	0.073	0					0.20
32.250	0.00	0.06	0.073	0					0.20
32.333	0.00	0.06	0.072	0					0.20
32.417	0.00	0.06	0.072	0					0.20
32.500	0.00	0.06	0.071	0					0.20
32.583	0.00	0.06	0.071	0					0.20
32.667	0.00	0.06	0.071	0					0.20
32.750	0.00	0.06	0.070	0					0.19
32.833	0.00	0.06	0.070	0					0.19
32.917	0.00	0.06	0.069	0					0.19
33.000	0.00	0.06	0.069	0					0.19
33.083	0.00	0.06	0.068	0					0.19
33.167	0.00	0.06	0.068	0					0.19
33.250	0.00	0.06	0.068	0					0.19
33.333	0.00	0.06	0.067	0					0.19
33.417	0.00	0.06	0.067	0					0.19
33.500	0.00	0.06	0.066	0					0.18
33.583	0.00	0.06	0.066	0					0.18
33.667	0.00	0.06	0.066	0					0.18
33.750	0.00	0.06	0.065	0					0.18
33.833	0.00	0.06	0.065	0					0.18
33.917	0.00	0.06	0.064	0					0.18
34.000	0.00	0.06	0.064	0					0.18
34.083	0.00	0.06	0.064	0					0.18
34.167	0.00	0.06	0.063	0					0.18
34.250	0.00	0.06	0.063	0					0.17
34.333	0.00	0.06	0.062	0					0.17
34.417	0.00	0.06	0.062	0					0.17
34.500	0.00	0.05	0.062	0					0.17
34.583	0.00	0.05	0.061	0					0.17
34.667	0.00	0.05	0.061	0					0.17
34.750	0.00	0.05	0.061	0					0.17
34.833	0.00	0.05	0.060	0					0.17
34.917	0.00	0.05	0.060	0					0.17
35.000	0.00	0.05	0.059	0					0.17
35.083	0.00	0.05	0.059	0					0.16
35.167	0.00	0.05	0.059	0					0.16
35.250	0.00	0.05	0.058	0					0.16
35.333	0.00	0.05	0.058	0					0.16
35.417	0.00	0.05	0.058	0					0.16
35.500	0.00	0.05	0.057	0					0.16
35.583	0.00	0.05	0.057	0					0.16
35.667	0.00	0.05	0.057	0					0.16
35.750	0.00	0.05	0.056	0					0.16
35.833	0.00	0.05	0.056	0					0.16
35.917	0.00	0.05	0.056	0					0.15
36.000	0.00	0.05	0.055	0					0.15
36.083	0.00	0.05	0.055	0					0.15

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

36.167	0.00	0.05	0.055	0					0.15
36.250	0.00	0.05	0.054	0					0.15
36.333	0.00	0.05	0.054	0					0.15
36.417	0.00	0.05	0.054	0					0.15
36.500	0.00	0.05	0.053	0					0.15
36.583	0.00	0.05	0.053	0					0.15
36.667	0.00	0.05	0.053	0					0.15
36.750	0.00	0.05	0.052	0					0.15
36.833	0.00	0.05	0.052	0					0.14
36.917	0.00	0.05	0.052	0					0.14
37.000	0.00	0.05	0.051	0					0.14
37.083	0.00	0.05	0.051	0					0.14
37.167	0.00	0.05	0.051	0					0.14
37.250	0.00	0.04	0.050	0					0.14
37.333	0.00	0.04	0.050	0					0.14
37.417	0.00	0.04	0.050	0					0.14
37.500	0.00	0.04	0.049	0					0.14
37.583	0.00	0.04	0.049	0					0.14
37.667	0.00	0.04	0.049	0					0.14
37.750	0.00	0.04	0.049	0					0.13
37.833	0.00	0.04	0.048	0					0.13
37.917	0.00	0.04	0.048	0					0.13
38.000	0.00	0.04	0.048	0					0.13
38.083	0.00	0.04	0.047	0					0.13
38.167	0.00	0.04	0.047	0					0.13
38.250	0.00	0.04	0.047	0					0.13
38.333	0.00	0.04	0.047	0					0.13
38.417	0.00	0.04	0.046	0					0.13
38.500	0.00	0.04	0.046	0					0.13
38.583	0.00	0.04	0.046	0					0.13
38.667	0.00	0.04	0.045	0					0.13
38.750	0.00	0.04	0.045	0					0.13
38.833	0.00	0.04	0.045	0					0.12
38.917	0.00	0.04	0.045	0					0.12
39.000	0.00	0.04	0.044	0					0.12
39.083	0.00	0.04	0.044	0					0.12
39.167	0.00	0.04	0.044	0					0.12
39.250	0.00	0.04	0.044	0					0.12
39.333	0.00	0.04	0.043	0					0.12
39.417	0.00	0.04	0.043	0					0.12
39.500	0.00	0.04	0.043	0					0.12
39.583	0.00	0.04	0.042	0					0.12
39.667	0.00	0.04	0.042	0					0.12
39.750	0.00	0.04	0.042	0					0.12
39.833	0.00	0.04	0.042	0					0.12
39.917	0.00	0.04	0.041	0					0.12
40.000	0.00	0.04	0.041	0					0.11
40.083	0.00	0.04	0.041	0					0.11
40.167	0.00	0.04	0.041	0					0.11
40.250	0.00	0.04	0.040	0					0.11
40.333	0.00	0.04	0.040	0					0.11
40.417	0.00	0.04	0.040	0					0.11
40.500	0.00	0.04	0.040	0					0.11
40.583	0.00	0.04	0.039	0					0.11
40.667	0.00	0.03	0.039	0					0.11
40.750	0.00	0.03	0.039	0					0.11
40.833	0.00	0.03	0.039	0					0.11
40.917	0.00	0.03	0.039	0					0.11
41.000	0.00	0.03	0.038	0					0.11
41.083	0.00	0.03	0.038	0					0.11
41.167	0.00	0.03	0.038	0					0.11
41.250	0.00	0.03	0.038	0					0.10
41.333	0.00	0.03	0.037	0					0.10
41.417	0.00	0.03	0.037	0					0.10
41.500	0.00	0.03	0.037	0					0.10
41.583	0.00	0.03	0.037	0					0.10
41.667	0.00	0.03	0.036	0					0.10
41.750	0.00	0.03	0.036	0					0.10
41.833	0.00	0.03	0.036	0					0.10
41.917	0.00	0.03	0.036	0					0.10
42.000	0.00	0.03	0.036	0					0.10
42.083	0.00	0.03	0.035	0					0.10

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

42.167	0.00	0.03	0.035	0					0.10
42.250	0.00	0.03	0.035	0					0.10
42.333	0.00	0.03	0.035	0					0.10
42.417	0.00	0.03	0.034	0					0.10
42.500	0.00	0.03	0.034	0					0.10
42.583	0.00	0.03	0.034	0					0.09
42.667	0.00	0.03	0.034	0					0.09
42.750	0.00	0.03	0.034	0					0.09
42.833	0.00	0.03	0.033	0					0.09
42.917	0.00	0.03	0.033	0					0.09
43.000	0.00	0.03	0.033	0					0.09
43.083	0.00	0.03	0.033	0					0.09
43.167	0.00	0.03	0.033	0					0.09
43.250	0.00	0.03	0.032	0					0.09
43.333	0.00	0.03	0.032	0					0.09
43.417	0.00	0.03	0.032	0					0.09
43.500	0.00	0.03	0.032	0					0.09
43.583	0.00	0.03	0.032	0					0.09
43.667	0.00	0.03	0.031	0					0.09
43.750	0.00	0.03	0.031	0					0.09
43.833	0.00	0.03	0.031	0					0.09
43.917	0.00	0.03	0.031	0					0.09
44.000	0.00	0.03	0.031	0					0.09
44.083	0.00	0.03	0.031	0					0.08
44.167	0.00	0.03	0.030	0					0.08
44.250	0.00	0.03	0.030	0					0.08
44.333	0.00	0.03	0.030	0					0.08
44.417	0.00	0.03	0.030	0					0.08
44.500	0.00	0.03	0.030	0					0.08
44.583	0.00	0.03	0.029	0					0.08
44.667	0.00	0.03	0.029	0					0.08
44.750	0.00	0.03	0.029	0					0.08
44.833	0.00	0.03	0.029	0					0.08
44.917	0.00	0.03	0.029	0					0.08
45.000	0.00	0.03	0.029	0					0.08
45.083	0.00	0.03	0.028	0					0.08
45.167	0.00	0.03	0.028	0					0.08
45.250	0.00	0.02	0.028	0					0.08
45.333	0.00	0.02	0.028	0					0.08
45.417	0.00	0.02	0.028	0					0.08
45.500	0.00	0.02	0.027	0					0.08
45.583	0.00	0.02	0.027	0					0.08
45.667	0.00	0.02	0.027	0					0.08
45.750	0.00	0.02	0.027	0					0.07
45.833	0.00	0.02	0.027	0					0.07
45.917	0.00	0.02	0.027	0					0.07
46.000	0.00	0.02	0.027	0					0.07
46.083	0.00	0.02	0.026	0					0.07
46.167	0.00	0.02	0.026	0					0.07
46.250	0.00	0.02	0.026	0					0.07
46.333	0.00	0.02	0.026	0					0.07
46.417	0.00	0.02	0.026	0					0.07
46.500	0.00	0.02	0.026	0					0.07
46.583	0.00	0.02	0.025	0					0.07
46.667	0.00	0.02	0.025	0					0.07
46.750	0.00	0.02	0.025	0					0.07
46.833	0.00	0.02	0.025	0					0.07
46.917	0.00	0.02	0.025	0					0.07
47.000	0.00	0.02	0.025	0					0.07
47.083	0.00	0.02	0.024	0					0.07
47.167	0.00	0.02	0.024	0					0.07
47.250	0.00	0.02	0.024	0					0.07
47.333	0.00	0.02	0.024	0					0.07
47.417	0.00	0.02	0.024	0					0.07
47.500	0.00	0.02	0.024	0					0.07
47.583	0.00	0.02	0.024	0					0.07
47.667	0.00	0.02	0.023	0					0.07
47.750	0.00	0.02	0.023	0					0.06
47.833	0.00	0.02	0.023	0					0.06
47.917	0.00	0.02	0.023	0					0.06
48.000	0.00	0.02	0.023	0					0.06
48.083	0.00	0.02	0.023	0					0.06

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

48.167	0.00	0.02	0.023	0					0.06
48.250	0.00	0.02	0.022	0					0.06
48.333	0.00	0.02	0.022	0					0.06
48.417	0.00	0.02	0.022	0					0.06
48.500	0.00	0.02	0.022	0					0.06
48.583	0.00	0.02	0.022	0					0.06
48.667	0.00	0.02	0.022	0					0.06
48.750	0.00	0.02	0.022	0					0.06
48.833	0.00	0.02	0.022	0					0.06
48.917	0.00	0.02	0.021	0					0.06
49.000	0.00	0.02	0.021	0					0.06
49.083	0.00	0.02	0.021	0					0.06
49.167	0.00	0.02	0.021	0					0.06
49.250	0.00	0.02	0.021	0					0.06
49.333	0.00	0.02	0.021	0					0.06
49.417	0.00	0.02	0.021	0					0.06
49.500	0.00	0.02	0.020	0					0.06
49.583	0.00	0.02	0.020	0					0.06
49.667	0.00	0.02	0.020	0					0.06
49.750	0.00	0.02	0.020	0					0.06
49.833	0.00	0.02	0.020	0					0.06
49.917	0.00	0.02	0.020	0					0.06
50.000	0.00	0.02	0.020	0					0.05
50.083	0.00	0.02	0.020	0					0.05
50.167	0.00	0.02	0.020	0					0.05
50.250	0.00	0.02	0.019	0					0.05
50.333	0.00	0.02	0.019	0					0.05
50.417	0.00	0.02	0.019	0					0.05
50.500	0.00	0.02	0.019	0					0.05
50.583	0.00	0.02	0.019	0					0.05
50.667	0.00	0.02	0.019	0					0.05
50.750	0.00	0.02	0.019	0					0.05
50.833	0.00	0.02	0.019	0					0.05
50.917	0.00	0.02	0.018	0					0.05
51.000	0.00	0.02	0.018	0					0.05
51.083	0.00	0.02	0.018	0					0.05
51.167	0.00	0.02	0.018	0					0.05
51.250	0.00	0.02	0.018	0					0.05
51.333	0.00	0.02	0.018	0					0.05
51.417	0.00	0.02	0.018	0					0.05
51.500	0.00	0.02	0.018	0					0.05
51.583	0.00	0.02	0.018	0					0.05
51.667	0.00	0.02	0.017	0					0.05
51.750	0.00	0.02	0.017	0					0.05
51.833	0.00	0.02	0.017	0					0.05
51.917	0.00	0.02	0.017	0					0.05
52.000	0.00	0.02	0.017	0					0.05
52.083	0.00	0.02	0.017	0					0.05
52.167	0.00	0.01	0.017	0					0.05
52.250	0.00	0.01	0.017	0					0.05
52.333	0.00	0.01	0.017	0					0.05
52.417	0.00	0.01	0.017	0					0.05
52.500	0.00	0.01	0.016	0					0.05
52.583	0.00	0.01	0.016	0					0.05
52.667	0.00	0.01	0.016	0					0.05
52.750	0.00	0.01	0.016	0					0.04
52.833	0.00	0.01	0.016	0					0.04
52.917	0.00	0.01	0.016	0					0.04
53.000	0.00	0.01	0.016	0					0.04
53.083	0.00	0.01	0.016	0					0.04
53.167	0.00	0.01	0.016	0					0.04
53.250	0.00	0.01	0.016	0					0.04
53.333	0.00	0.01	0.015	0					0.04
53.417	0.00	0.01	0.015	0					0.04
53.500	0.00	0.01	0.015	0					0.04
53.583	0.00	0.01	0.015	0					0.04
53.667	0.00	0.01	0.015	0					0.04
53.750	0.00	0.01	0.015	0					0.04
53.833	0.00	0.01	0.015	0					0.04
53.917	0.00	0.01	0.015	0					0.04
54.000	0.00	0.01	0.015	0					0.04
54.083	0.00	0.01	0.015	0					0.04

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

54.167	0.00	0.01	0.015	0					0.04
54.250	0.00	0.01	0.014	0					0.04
54.333	0.00	0.01	0.014	0					0.04
54.417	0.00	0.01	0.014	0					0.04
54.500	0.00	0.01	0.014	0					0.04
54.583	0.00	0.01	0.014	0					0.04
54.667	0.00	0.01	0.014	0					0.04
54.750	0.00	0.01	0.014	0					0.04
54.833	0.00	0.01	0.014	0					0.04
54.917	0.00	0.01	0.014	0					0.04
55.000	0.00	0.01	0.014	0					0.04
55.083	0.00	0.01	0.014	0					0.04
55.167	0.00	0.01	0.014	0					0.04
55.250	0.00	0.01	0.013	0					0.04
55.333	0.00	0.01	0.013	0					0.04
55.417	0.00	0.01	0.013	0					0.04
55.500	0.00	0.01	0.013	0					0.04
55.583	0.00	0.01	0.013	0					0.04
55.667	0.00	0.01	0.013	0					0.04
55.750	0.00	0.01	0.013	0					0.04
55.833	0.00	0.01	0.013	0					0.04
55.917	0.00	0.01	0.013	0					0.04
56.000	0.00	0.01	0.013	0					0.04
56.083	0.00	0.01	0.013	0					0.04
56.167	0.00	0.01	0.013	0					0.03
56.250	0.00	0.01	0.012	0					0.03
56.333	0.00	0.01	0.012	0					0.03
56.417	0.00	0.01	0.012	0					0.03
56.500	0.00	0.01	0.012	0					0.03
56.583	0.00	0.01	0.012	0					0.03
56.667	0.00	0.01	0.012	0					0.03
56.750	0.00	0.01	0.012	0					0.03
56.833	0.00	0.01	0.012	0					0.03
56.917	0.00	0.01	0.012	0					0.03
57.000	0.00	0.01	0.012	0					0.03
57.083	0.00	0.01	0.012	0					0.03
57.167	0.00	0.01	0.012	0					0.03
57.250	0.00	0.01	0.012	0					0.03
57.333	0.00	0.01	0.012	0					0.03
57.417	0.00	0.01	0.011	0					0.03
57.500	0.00	0.01	0.011	0					0.03
57.583	0.00	0.01	0.011	0					0.03
57.667	0.00	0.01	0.011	0					0.03
57.750	0.00	0.01	0.011	0					0.03
57.833	0.00	0.01	0.011	0					0.03
57.917	0.00	0.01	0.011	0					0.03
58.000	0.00	0.01	0.011	0					0.03
58.083	0.00	0.01	0.011	0					0.03
58.167	0.00	0.01	0.011	0					0.03
58.250	0.00	0.01	0.011	0					0.03
58.333	0.00	0.01	0.011	0					0.03
58.417	0.00	0.01	0.011	0					0.03
58.500	0.00	0.01	0.011	0					0.03
58.583	0.00	0.01	0.011	0					0.03
58.667	0.00	0.01	0.010	0					0.03
58.750	0.00	0.01	0.010	0					0.03
58.833	0.00	0.01	0.010	0					0.03
58.917	0.00	0.01	0.010	0					0.03
59.000	0.00	0.01	0.010	0					0.03
59.083	0.00	0.01	0.010	0					0.03
59.167	0.00	0.01	0.010	0					0.03
59.250	0.00	0.01	0.010	0					0.03
59.333	0.00	0.01	0.010	0					0.03
59.417	0.00	0.01	0.010	0					0.03
59.500	0.00	0.01	0.010	0					0.03
59.583	0.00	0.01	0.010	0					0.03
59.667	0.00	0.01	0.010	0					0.03
59.750	0.00	0.01	0.010	0					0.03
59.833	0.00	0.01	0.010	0					0.03
59.917	0.00	0.01	0.010	0					0.03
60.000	0.00	0.01	0.009	0					0.03
60.083	0.00	0.01	0.009	0					0.03

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

60.167	0.00	0.01	0.009	0					0.03
60.250	0.00	0.01	0.009	0					0.03
60.333	0.00	0.01	0.009	0					0.03
60.417	0.00	0.01	0.009	0					0.03
60.500	0.00	0.01	0.009	0					0.03
60.583	0.00	0.01	0.009	0					0.03
60.667	0.00	0.01	0.009	0					0.03
60.750	0.00	0.01	0.009	0					0.02
60.833	0.00	0.01	0.009	0					0.02
60.917	0.00	0.01	0.009	0					0.02
61.000	0.00	0.01	0.009	0					0.02
61.083	0.00	0.01	0.009	0					0.02
61.167	0.00	0.01	0.009	0					0.02
61.250	0.00	0.01	0.009	0					0.02
61.333	0.00	0.01	0.009	0					0.02
61.417	0.00	0.01	0.009	0					0.02
61.500	0.00	0.01	0.008	0					0.02
61.583	0.00	0.01	0.008	0					0.02
61.667	0.00	0.01	0.008	0					0.02
61.750	0.00	0.01	0.008	0					0.02
61.833	0.00	0.01	0.008	0					0.02
61.917	0.00	0.01	0.008	0					0.02
62.000	0.00	0.01	0.008	0					0.02
62.083	0.00	0.01	0.008	0					0.02
62.167	0.00	0.01	0.008	0					0.02
62.250	0.00	0.01	0.008	0					0.02
62.333	0.00	0.01	0.008	0					0.02
62.417	0.00	0.01	0.008	0					0.02
62.500	0.00	0.01	0.008	0					0.02
62.583	0.00	0.01	0.008	0					0.02
62.667	0.00	0.01	0.008	0					0.02
62.750	0.00	0.01	0.008	0					0.02
62.833	0.00	0.01	0.008	0					0.02
62.917	0.00	0.01	0.008	0					0.02
63.000	0.00	0.01	0.008	0					0.02
63.083	0.00	0.01	0.008	0					0.02
63.167	0.00	0.01	0.008	0					0.02
63.250	0.00	0.01	0.007	0					0.02
63.333	0.00	0.01	0.007	0					0.02
63.417	0.00	0.01	0.007	0					0.02
63.500	0.00	0.01	0.007	0					0.02
63.583	0.00	0.01	0.007	0					0.02
63.667	0.00	0.01	0.007	0					0.02
63.750	0.00	0.01	0.007	0					0.02
63.833	0.00	0.01	0.007	0					0.02
63.917	0.00	0.01	0.007	0					0.02
64.000	0.00	0.01	0.007	0					0.02
64.083	0.00	0.01	0.007	0					0.02
64.167	0.00	0.01	0.007	0					0.02
64.250	0.00	0.01	0.007	0					0.02
64.333	0.00	0.01	0.007	0					0.02
64.417	0.00	0.01	0.007	0					0.02
64.500	0.00	0.01	0.007	0					0.02
64.583	0.00	0.01	0.007	0					0.02
64.667	0.00	0.01	0.007	0					0.02
64.750	0.00	0.01	0.007	0					0.02
64.833	0.00	0.01	0.007	0					0.02
64.917	0.00	0.01	0.007	0					0.02
65.000	0.00	0.01	0.007	0					0.02
65.083	0.00	0.01	0.007	0					0.02
65.167	0.00	0.01	0.006	0					0.02
65.250	0.00	0.01	0.006	0					0.02
65.333	0.00	0.01	0.006	0					0.02
65.417	0.00	0.01	0.006	0					0.02
65.500	0.00	0.01	0.006	0					0.02
65.583	0.00	0.01	0.006	0					0.02
65.667	0.00	0.01	0.006	0					0.02
65.750	0.00	0.01	0.006	0					0.02
65.833	0.00	0.01	0.006	0					0.02
65.917	0.00	0.01	0.006	0					0.02
66.000	0.00	0.01	0.006	0					0.02
66.083	0.00	0.01	0.006	0					0.02

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

66.167	0.00	0.01	0.006	0					0.02
66.250	0.00	0.01	0.006	0					0.02
66.333	0.00	0.01	0.006	0					0.02
66.417	0.00	0.01	0.006	0					0.02
66.500	0.00	0.01	0.006	0					0.02
66.583	0.00	0.01	0.006	0					0.02
66.667	0.00	0.01	0.006	0					0.02
66.750	0.00	0.01	0.006	0					0.02
66.833	0.00	0.01	0.006	0					0.02
66.917	0.00	0.01	0.006	0					0.02
67.000	0.00	0.01	0.006	0					0.02
67.083	0.00	0.01	0.006	0					0.02
67.167	0.00	0.00	0.006	0					0.02
67.250	0.00	0.00	0.006	0					0.02
67.333	0.00	0.00	0.006	0					0.02
67.417	0.00	0.00	0.005	0					0.02
67.500	0.00	0.00	0.005	0					0.02
67.583	0.00	0.00	0.005	0					0.02
67.667	0.00	0.00	0.005	0					0.01
67.750	0.00	0.00	0.005	0					0.01
67.833	0.00	0.00	0.005	0					0.01
67.917	0.00	0.00	0.005	0					0.01
68.000	0.00	0.00	0.005	0					0.01
68.083	0.00	0.00	0.005	0					0.01
68.167	0.00	0.00	0.005	0					0.01
68.250	0.00	0.00	0.005	0					0.01
68.333	0.00	0.00	0.005	0					0.01
68.417	0.00	0.00	0.005	0					0.01
68.500	0.00	0.00	0.005	0					0.01
68.583	0.00	0.00	0.005	0					0.01
68.667	0.00	0.00	0.005	0					0.01
68.750	0.00	0.00	0.005	0					0.01
68.833	0.00	0.00	0.005	0					0.01
68.917	0.00	0.00	0.005	0					0.01
69.000	0.00	0.00	0.005	0					0.01
69.083	0.00	0.00	0.005	0					0.01
69.167	0.00	0.00	0.005	0					0.01
69.250	0.00	0.00	0.005	0					0.01
69.333	0.00	0.00	0.005	0					0.01
69.417	0.00	0.00	0.005	0					0.01
69.500	0.00	0.00	0.005	0					0.01
69.583	0.00	0.00	0.005	0					0.01
69.667	0.00	0.00	0.005	0					0.01
69.750	0.00	0.00	0.005	0					0.01
69.833	0.00	0.00	0.005	0					0.01
69.917	0.00	0.00	0.005	0					0.01
70.000	0.00	0.00	0.005	0					0.01
70.083	0.00	0.00	0.005	0					0.01
70.167	0.00	0.00	0.004	0					0.01
70.250	0.00	0.00	0.004	0					0.01
70.333	0.00	0.00	0.004	0					0.01
70.417	0.00	0.00	0.004	0					0.01
70.500	0.00	0.00	0.004	0					0.01
70.583	0.00	0.00	0.004	0					0.01
70.667	0.00	0.00	0.004	0					0.01
70.750	0.00	0.00	0.004	0					0.01
70.833	0.00	0.00	0.004	0					0.01
70.917	0.00	0.00	0.004	0					0.01
71.000	0.00	0.00	0.004	0					0.01
71.083	0.00	0.00	0.004	0					0.01
71.167	0.00	0.00	0.004	0					0.01
71.250	0.00	0.00	0.004	0					0.01
71.333	0.00	0.00	0.004	0					0.01
71.417	0.00	0.00	0.004	0					0.01
71.500	0.00	0.00	0.004	0					0.01
71.583	0.00	0.00	0.004	0					0.01
71.667	0.00	0.00	0.004	0					0.01
71.750	0.00	0.00	0.004	0					0.01
71.833	0.00	0.00	0.004	0					0.01
71.917	0.00	0.00	0.004	0					0.01
72.000	0.00	0.00	0.004	0					0.01
72.083	0.00	0.00	0.004	0					0.01

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

72.167	0.00	0.00	0.004	0					0.01
72.250	0.00	0.00	0.004	0					0.01
72.333	0.00	0.00	0.004	0					0.01
72.417	0.00	0.00	0.004	0					0.01
72.500	0.00	0.00	0.004	0					0.01
72.583	0.00	0.00	0.004	0					0.01
72.667	0.00	0.00	0.004	0					0.01
72.750	0.00	0.00	0.004	0					0.01
72.833	0.00	0.00	0.004	0					0.01
72.917	0.00	0.00	0.004	0					0.01
73.000	0.00	0.00	0.004	0					0.01
73.083	0.00	0.00	0.004	0					0.01
73.167	0.00	0.00	0.004	0					0.01
73.250	0.00	0.00	0.004	0					0.01
73.333	0.00	0.00	0.004	0					0.01
73.417	0.00	0.00	0.004	0					0.01
73.500	0.00	0.00	0.004	0					0.01
73.583	0.00	0.00	0.003	0					0.01
73.667	0.00	0.00	0.003	0					0.01
73.750	0.00	0.00	0.003	0					0.01
73.833	0.00	0.00	0.003	0					0.01
73.917	0.00	0.00	0.003	0					0.01
74.000	0.00	0.00	0.003	0					0.01
74.083	0.00	0.00	0.003	0					0.01
74.167	0.00	0.00	0.003	0					0.01
74.250	0.00	0.00	0.003	0					0.01
74.333	0.00	0.00	0.003	0					0.01
74.417	0.00	0.00	0.003	0					0.01
74.500	0.00	0.00	0.003	0					0.01
74.583	0.00	0.00	0.003	0					0.01
74.667	0.00	0.00	0.003	0					0.01
74.750	0.00	0.00	0.003	0					0.01
74.833	0.00	0.00	0.003	0					0.01
74.917	0.00	0.00	0.003	0					0.01
75.000	0.00	0.00	0.003	0					0.01
75.083	0.00	0.00	0.003	0					0.01
75.167	0.00	0.00	0.003	0					0.01
75.250	0.00	0.00	0.003	0					0.01
75.333	0.00	0.00	0.003	0					0.01
75.417	0.00	0.00	0.003	0					0.01
75.500	0.00	0.00	0.003	0					0.01
75.583	0.00	0.00	0.003	0					0.01
75.667	0.00	0.00	0.003	0					0.01
75.750	0.00	0.00	0.003	0					0.01
75.833	0.00	0.00	0.003	0					0.01
75.917	0.00	0.00	0.003	0					0.01
76.000	0.00	0.00	0.003	0					0.01
76.083	0.00	0.00	0.003	0					0.01
76.167	0.00	0.00	0.003	0					0.01
76.250	0.00	0.00	0.003	0					0.01
76.333	0.00	0.00	0.003	0					0.01
76.417	0.00	0.00	0.003	0					0.01
76.500	0.00	0.00	0.003	0					0.01
76.583	0.00	0.00	0.003	0					0.01
76.667	0.00	0.00	0.003	0					0.01
76.750	0.00	0.00	0.003	0					0.01
76.833	0.00	0.00	0.003	0					0.01
76.917	0.00	0.00	0.003	0					0.01
77.000	0.00	0.00	0.003	0					0.01
77.083	0.00	0.00	0.003	0					0.01
77.167	0.00	0.00	0.003	0					0.01
77.250	0.00	0.00	0.003	0					0.01
77.333	0.00	0.00	0.003	0					0.01
77.417	0.00	0.00	0.003	0					0.01
77.500	0.00	0.00	0.003	0					0.01
77.583	0.00	0.00	0.003	0					0.01
77.667	0.00	0.00	0.003	0					0.01
77.750	0.00	0.00	0.003	0					0.01
77.833	0.00	0.00	0.003	0					0.01
77.917	0.00	0.00	0.003	0					0.01
78.000	0.00	0.00	0.003	0					0.01
78.083	0.00	0.00	0.003	0					0.01

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

78.167	0.00	0.00	0.002	0					0.01
78.250	0.00	0.00	0.002	0					0.01
78.333	0.00	0.00	0.002	0					0.01
78.417	0.00	0.00	0.002	0					0.01
78.500	0.00	0.00	0.002	0					0.01
78.583	0.00	0.00	0.002	0					0.01
78.667	0.00	0.00	0.002	0					0.01
78.750	0.00	0.00	0.002	0					0.01
78.833	0.00	0.00	0.002	0					0.01
78.917	0.00	0.00	0.002	0					0.01
79.000	0.00	0.00	0.002	0					0.01
79.083	0.00	0.00	0.002	0					0.01
79.167	0.00	0.00	0.002	0					0.01
79.250	0.00	0.00	0.002	0					0.01
79.333	0.00	0.00	0.002	0					0.01
79.417	0.00	0.00	0.002	0					0.01
79.500	0.00	0.00	0.002	0					0.01
79.583	0.00	0.00	0.002	0					0.01
79.667	0.00	0.00	0.002	0					0.01
79.750	0.00	0.00	0.002	0					0.01
79.833	0.00	0.00	0.002	0					0.01
79.917	0.00	0.00	0.002	0					0.01
80.000	0.00	0.00	0.002	0					0.01
80.083	0.00	0.00	0.002	0					0.01
80.167	0.00	0.00	0.002	0					0.01
80.250	0.00	0.00	0.002	0					0.01
80.333	0.00	0.00	0.002	0					0.01
80.417	0.00	0.00	0.002	0					0.01
80.500	0.00	0.00	0.002	0					0.01
80.583	0.00	0.00	0.002	0					0.01
80.667	0.00	0.00	0.002	0					0.01
80.750	0.00	0.00	0.002	0					0.01
80.833	0.00	0.00	0.002	0					0.01
80.917	0.00	0.00	0.002	0					0.01
81.000	0.00	0.00	0.002	0					0.01
81.083	0.00	0.00	0.002	0					0.01
81.167	0.00	0.00	0.002	0					0.01
81.250	0.00	0.00	0.002	0					0.01
81.333	0.00	0.00	0.002	0					0.01
81.417	0.00	0.00	0.002	0					0.01
81.500	0.00	0.00	0.002	0					0.01
81.583	0.00	0.00	0.002	0					0.01
81.667	0.00	0.00	0.002	0					0.01
81.750	0.00	0.00	0.002	0					0.01
81.833	0.00	0.00	0.002	0					0.01
81.917	0.00	0.00	0.002	0					0.01
82.000	0.00	0.00	0.002	0					0.01
82.083	0.00	0.00	0.002	0					0.01
82.167	0.00	0.00	0.002	0					0.01
82.250	0.00	0.00	0.002	0					0.01
82.333	0.00	0.00	0.002	0					0.01
82.417	0.00	0.00	0.002	0					0.01
82.500	0.00	0.00	0.002	0					0.01
82.583	0.00	0.00	0.002	0					0.01
82.667	0.00	0.00	0.002	0					0.00
82.750	0.00	0.00	0.002	0					0.00
82.833	0.00	0.00	0.002	0					0.00
82.917	0.00	0.00	0.002	0					0.00
83.000	0.00	0.00	0.002	0					0.00
83.083	0.00	0.00	0.002	0					0.00
83.167	0.00	0.00	0.002	0					0.00
83.250	0.00	0.00	0.002	0					0.00
83.333	0.00	0.00	0.002	0					0.00
83.417	0.00	0.00	0.002	0					0.00
83.500	0.00	0.00	0.002	0					0.00
83.583	0.00	0.00	0.002	0					0.00
83.667	0.00	0.00	0.002	0					0.00
83.750	0.00	0.00	0.002	0					0.00
83.833	0.00	0.00	0.002	0					0.00
83.917	0.00	0.00	0.002	0					0.00
84.000	0.00	0.00	0.002	0					0.00
84.083	0.00	0.00	0.002	0					0.00

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

84.167	0.00	0.00	0.002	0					0.00
84.250	0.00	0.00	0.002	0					0.00
84.333	0.00	0.00	0.002	0					0.00
84.417	0.00	0.00	0.002	0					0.00
84.500	0.00	0.00	0.002	0					0.00
84.583	0.00	0.00	0.002	0					0.00
84.667	0.00	0.00	0.002	0					0.00
84.750	0.00	0.00	0.002	0					0.00
84.833	0.00	0.00	0.002	0					0.00
84.917	0.00	0.00	0.002	0					0.00
85.000	0.00	0.00	0.002	0					0.00
85.083	0.00	0.00	0.002	0					0.00
85.167	0.00	0.00	0.001	0					0.00
85.250	0.00	0.00	0.001	0					0.00
85.333	0.00	0.00	0.001	0					0.00
85.417	0.00	0.00	0.001	0					0.00
85.500	0.00	0.00	0.001	0					0.00
85.583	0.00	0.00	0.001	0					0.00
85.667	0.00	0.00	0.001	0					0.00
85.750	0.00	0.00	0.001	0					0.00
85.833	0.00	0.00	0.001	0					0.00
85.917	0.00	0.00	0.001	0					0.00
86.000	0.00	0.00	0.001	0					0.00
86.083	0.00	0.00	0.001	0					0.00
86.167	0.00	0.00	0.001	0					0.00
86.250	0.00	0.00	0.001	0					0.00
86.333	0.00	0.00	0.001	0					0.00
86.417	0.00	0.00	0.001	0					0.00
86.500	0.00	0.00	0.001	0					0.00
86.583	0.00	0.00	0.001	0					0.00
86.667	0.00	0.00	0.001	0					0.00
86.750	0.00	0.00	0.001	0					0.00
86.833	0.00	0.00	0.001	0					0.00
86.917	0.00	0.00	0.001	0					0.00
87.000	0.00	0.00	0.001	0					0.00
87.083	0.00	0.00	0.001	0					0.00
87.167	0.00	0.00	0.001	0					0.00
87.250	0.00	0.00	0.001	0					0.00
87.333	0.00	0.00	0.001	0					0.00
87.417	0.00	0.00	0.001	0					0.00
87.500	0.00	0.00	0.001	0					0.00
87.583	0.00	0.00	0.001	0					0.00
87.667	0.00	0.00	0.001	0					0.00
87.750	0.00	0.00	0.001	0					0.00
87.833	0.00	0.00	0.001	0					0.00
87.917	0.00	0.00	0.001	0					0.00
88.000	0.00	0.00	0.001	0					0.00
88.083	0.00	0.00	0.001	0					0.00
88.167	0.00	0.00	0.001	0					0.00
88.250	0.00	0.00	0.001	0					0.00
88.333	0.00	0.00	0.001	0					0.00
88.417	0.00	0.00	0.001	0					0.00
88.500	0.00	0.00	0.001	0					0.00
88.583	0.00	0.00	0.001	0					0.00
88.667	0.00	0.00	0.001	0					0.00
88.750	0.00	0.00	0.001	0					0.00
88.833	0.00	0.00	0.001	0					0.00
88.917	0.00	0.00	0.001	0					0.00
89.000	0.00	0.00	0.001	0					0.00
89.083	0.00	0.00	0.001	0					0.00

Remaining water in basin = 0.00 (Ac.Ft)

*****HYDROGRAPH DATA*****

Number of intervals = 1069

Time interval = 5.0 (Min.)

Maximum/Peak flow rate = 0.406 (CFS)

Total volume = 0.656 (Ac.Ft)

Status of hydrographs being held in storage

Stream 1 Stream 2 Stream 3 Stream 4 Stream 5

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

Glen Ivy Senior Living

ATTACHMENT D – Detention Basin Routing

FLOOD HYDROGRAPH ROUTING PROGRAM
 Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2005
 Study date: 08/18/20

 Glen Ivy Senior Living
 Inflow Hydrograph Calculations
 Detention Basin A
 10-year 3-hour storm

Program License Serial Number 4029

 ***** HYDROGRAPH INFORMATION *****
 From study/file name: sh10pr310.rte
 *****HYDROGRAPH DATA*****
 Number of intervals = 39
 Time interval = 5.0 (Min.)
 Maximum/Peak flow rate = 12.119 (CFS)
 Total volume = 1.026 (Ac.Ft)
 Status of hydrographs being held in storage
 Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
 Peak (CFS) 0.000 0.000 0.000 0.000 0.000
 Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
 Process from Point/Station 10.000 to Point/Station 11.000
 **** RETARDING BASIN ROUTING ****

 User entry of depth-outflow-storage data

 Total number of inflow hydrograph intervals = 39
 Hydrograph time unit = 5.000 (Min.)
 Initial depth in storage basin = 0.00 (Ft.)

 Initial basin depth = 0.00 (Ft.)
 Initial basin storage = 0.00 (Ac.Ft)
 Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:
 Basin Depth Storage Outflow (S-O*dt/2) (S+O*dt/2)
 (Ft.) (Ac.Ft) (CFS) (Ac.Ft) (Ac.Ft)

0.000	0.000	0.000	0.000	0.000
1.000	0.360	0.320	0.359	0.361
2.000	0.810	0.460	0.808	0.812
3.000	1.310	0.680	1.308	1.312
4.000	1.860	0.880	1.857	1.863
5.000	2.470	6.320	2.448	2.492
6.000	3.140	16.140	3.084	3.196

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	Depth (Ft.)
0.083	0.82	0.00	0.003	0.01

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

0.167	1.60	0.01	0.011	O	I						0.03
0.250	1.63	0.02	0.022	O	I						0.06
0.333	1.84	0.03	0.034	O	I						0.09
0.417	2.05	0.04	0.047	O	I						0.13
0.500	2.28	0.05	0.062	O	I						0.17
0.583	2.29	0.07	0.077	O	I						0.21
0.667	2.34	0.08	0.092	O	I						0.26
0.750	2.50	0.10	0.108	O	I						0.30
0.833	2.33	0.11	0.124	O	I						0.35
0.917	2.23	0.12	0.139	O	I						0.39
1.000	2.38	0.14	0.154	O	I						0.43
1.083	2.75	0.15	0.171	O	I						0.47
1.167	3.02	0.17	0.190	O	I						0.53
1.250	3.07	0.19	0.209	O	I						0.58
1.333	2.97	0.20	0.229	O	I						0.64
1.417	3.24	0.22	0.249	O	I						0.69
1.500	3.67	0.24	0.271	O	I						0.75
1.583	3.59	0.26	0.294	O	I						0.82
1.667	3.65	0.28	0.317	O	I						0.88
1.750	4.28	0.30	0.343	O	I		I				0.95
1.833	4.59	0.32	0.371	O	I		I				1.02
1.917	4.39	0.33	0.400	O	I		I				1.09
2.000	4.34	0.34	0.427	O	I		I				1.15
2.083	4.44	0.35	0.455	O	I		I				1.21
2.167	5.36	0.36	0.487	O	I		I				1.28
2.250	6.81	0.37	0.526	O	I		I				1.37
2.333	6.41	0.38	0.569	IO	I		I				1.46
2.417	8.04	0.40	0.616	IO	I		I				1.57
2.500	10.68	0.42	0.678	IO	I		I		I		1.71
2.583	12.12	0.44	0.753	IO	I		I		I		1.87
2.667	11.31	0.47	0.831	IO	I		I		I		2.04
2.750	6.86	0.50	0.890	IO	I		I		I		2.16
2.833	3.66	0.51	0.923	IO	I		I		I		2.23
2.917	2.83	0.52	0.941	IO	I		I		I		2.26
3.000	1.79	0.52	0.954	IO	I		I		I		2.29
3.083	0.68	0.53	0.959	IO	I		I		I		2.30
3.167	0.17	0.53	0.958	IO	I		I		I		2.30
3.250	0.03	0.52	0.955	IO	I		I		I		2.29
3.333	0.00	0.52	0.951	IO	I		I		I		2.28
3.417	0.00	0.52	0.948	IO	I		I		I		2.28
3.500	0.00	0.52	0.944	IO	I		I		I		2.27
3.583	0.00	0.52	0.941	IO	I		I		I		2.26
3.667	0.00	0.52	0.937	IO	I		I		I		2.25
3.750	0.00	0.51	0.934	IO	I		I		I		2.25
3.833	0.00	0.51	0.930	IO	I		I		I		2.24
3.917	0.00	0.51	0.927	IO	I		I		I		2.23
4.000	0.00	0.51	0.923	IO	I		I		I		2.23
4.083	0.00	0.51	0.920	IO	I		I		I		2.22
4.167	0.00	0.51	0.916	IO	I		I		I		2.21
4.250	0.00	0.51	0.913	IO	I		I		I		2.21
4.333	0.00	0.50	0.909	IO	I		I		I		2.20
4.417	0.00	0.50	0.906	IO	I		I		I		2.19
4.500	0.00	0.50	0.902	IO	I		I		I		2.18
4.583	0.00	0.50	0.899	IO	I		I		I		2.18
4.667	0.00	0.50	0.895	IO	I		I		I		2.17
4.750	0.00	0.50	0.892	IO	I		I		I		2.16
4.833	0.00	0.49	0.888	IO	I		I		I		2.16
4.917	0.00	0.49	0.885	IO	I		I		I		2.15
5.000	0.00	0.49	0.882	IO	I		I		I		2.14
5.083	0.00	0.49	0.878	IO	I		I		I		2.14
5.167	0.00	0.49	0.875	IO	I		I		I		2.13
5.250	0.00	0.49	0.872	IO	I		I		I		2.12
5.333	0.00	0.49	0.868	IO	I		I		I		2.12
5.417	0.00	0.48	0.865	IO	I		I		I		2.11
5.500	0.00	0.48	0.862	IO	I		I		I		2.10
5.583	0.00	0.48	0.858	IO	I		I		I		2.10
5.667	0.00	0.48	0.855	IO	I		I		I		2.09
5.750	0.00	0.48	0.852	IO	I		I		I		2.08
5.833	0.00	0.48	0.848	IO	I		I		I		2.08
5.917	0.00	0.48	0.845	IO	I		I		I		2.07
6.000	0.00	0.47	0.842	IO	I		I		I		2.06
6.083	0.00	0.47	0.839	IO	I		I		I		2.06

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

6.167	0.00	0.47	0.835	IO					2.05
6.250	0.00	0.47	0.832	IO					2.04
6.333	0.00	0.47	0.829	IO					2.04
6.417	0.00	0.47	0.826	IO					2.03
6.500	0.00	0.47	0.822	IO					2.02
6.583	0.00	0.46	0.819	IO					2.02
6.667	0.00	0.46	0.816	IO					2.01
6.750	0.00	0.46	0.813	IO					2.01
6.833	0.00	0.46	0.810	IO					2.00
6.917	0.00	0.46	0.806	IO					1.99
7.000	0.00	0.46	0.803	IO					1.99
7.083	0.00	0.46	0.800	IO					1.98
7.167	0.00	0.46	0.797	IO					1.97
7.250	0.00	0.45	0.794	IO					1.96
7.333	0.00	0.45	0.791	IO					1.96
7.417	0.00	0.45	0.788	IO					1.95
7.500	0.00	0.45	0.784	IO					1.94
7.583	0.00	0.45	0.781	IO					1.94
7.667	0.00	0.45	0.778	IO					1.93
7.750	0.00	0.45	0.775	IO					1.92
7.833	0.00	0.45	0.772	IO					1.92
7.917	0.00	0.45	0.769	IO					1.91
8.000	0.00	0.45	0.766	IO					1.90
8.083	0.00	0.45	0.763	IO					1.90
8.167	0.00	0.44	0.760	IO					1.89
8.250	0.00	0.44	0.757	IO					1.88
8.333	0.00	0.44	0.754	IO					1.87
8.417	0.00	0.44	0.751	IO					1.87
8.500	0.00	0.44	0.748	IO					1.86
8.583	0.00	0.44	0.745	IO					1.85
8.667	0.00	0.44	0.742	IO					1.85
8.750	0.00	0.44	0.739	IO					1.84
8.833	0.00	0.44	0.736	IO					1.83
8.917	0.00	0.44	0.733	IO					1.83
9.000	0.00	0.43	0.730	IO					1.82
9.083	0.00	0.43	0.727	IO					1.81
9.167	0.00	0.43	0.724	IO					1.81
9.250	0.00	0.43	0.721	IO					1.80
9.333	0.00	0.43	0.718	IO					1.79
9.417	0.00	0.43	0.715	IO					1.79
9.500	0.00	0.43	0.712	IO					1.78
9.583	0.00	0.43	0.709	IO					1.77
9.667	0.00	0.43	0.706	IO					1.77
9.750	0.00	0.43	0.703	IO					1.76
9.833	0.00	0.43	0.700	IO					1.76
9.917	0.00	0.42	0.697	IO					1.75
10.000	0.00	0.42	0.694	IO					1.74
10.083	0.00	0.42	0.691	IO					1.74
10.167	0.00	0.42	0.688	IO					1.73
10.250	0.00	0.42	0.685	IO					1.72
10.333	0.00	0.42	0.682	IO					1.72
10.417	0.00	0.42	0.680	IO					1.71
10.500	0.00	0.42	0.677	IO					1.70
10.583	0.00	0.42	0.674	IO					1.70
10.667	0.00	0.42	0.671	IO					1.69
10.750	0.00	0.42	0.668	IO					1.68
10.833	0.00	0.41	0.665	IO					1.68
10.917	0.00	0.41	0.662	IO					1.67
11.000	0.00	0.41	0.659	IO					1.67
11.083	0.00	0.41	0.657	IO					1.66
11.167	0.00	0.41	0.654	IO					1.65
11.250	0.00	0.41	0.651	IO					1.65
11.333	0.00	0.41	0.648	IO					1.64
11.417	0.00	0.41	0.645	IO					1.63
11.500	0.00	0.41	0.642	IO					1.63
11.583	0.00	0.41	0.640	IO					1.62
11.667	0.00	0.41	0.637	IO					1.62
11.750	0.00	0.41	0.634	IO					1.61
11.833	0.00	0.40	0.631	IO					1.60
11.917	0.00	0.40	0.629	IO					1.60
12.000	0.00	0.40	0.626	IO					1.59
12.083	0.00	0.40	0.623	IO					1.58

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

12.167	0.00	0.40	0.620	IO					1.58
12.250	0.00	0.40	0.617	IO					1.57
12.333	0.00	0.40	0.615	IO					1.57
12.417	0.00	0.40	0.612	IO					1.56
12.500	0.00	0.40	0.609	IO					1.55
12.583	0.00	0.40	0.606	IO					1.55
12.667	0.00	0.40	0.604	IO					1.54
12.750	0.00	0.39	0.601	IO					1.54
12.833	0.00	0.39	0.598	IO					1.53
12.917	0.00	0.39	0.596	IO					1.52
13.000	0.00	0.39	0.593	IO					1.52
13.083	0.00	0.39	0.590	IO					1.51
13.167	0.00	0.39	0.587	IO					1.51
13.250	0.00	0.39	0.585	IO					1.50
13.333	0.00	0.39	0.582	IO					1.49
13.417	0.00	0.39	0.579	IO					1.49
13.500	0.00	0.39	0.577	IO					1.48
13.583	0.00	0.39	0.574	IO					1.48
13.667	0.00	0.39	0.571	IO					1.47
13.750	0.00	0.38	0.569	IO					1.46
13.833	0.00	0.38	0.566	IO					1.46
13.917	0.00	0.38	0.563	IO					1.45
14.000	0.00	0.38	0.561	IO					1.45
14.083	0.00	0.38	0.558	IO					1.44
14.167	0.00	0.38	0.556	IO					1.43
14.250	0.00	0.38	0.553	IO					1.43
14.333	0.00	0.38	0.550	IO					1.42
14.417	0.00	0.38	0.548	O					1.42
14.500	0.00	0.38	0.545	O					1.41
14.583	0.00	0.38	0.543	O					1.41
14.667	0.00	0.38	0.540	O					1.40
14.750	0.00	0.38	0.537	O					1.39
14.833	0.00	0.37	0.535	O					1.39
14.917	0.00	0.37	0.532	O					1.38
15.000	0.00	0.37	0.530	O					1.38
15.083	0.00	0.37	0.527	O					1.37
15.167	0.00	0.37	0.525	O					1.37
15.250	0.00	0.37	0.522	O					1.36
15.333	0.00	0.37	0.519	O					1.35
15.417	0.00	0.37	0.517	O					1.35
15.500	0.00	0.37	0.514	O					1.34
15.583	0.00	0.37	0.512	O					1.34
15.667	0.00	0.37	0.509	O					1.33
15.750	0.00	0.37	0.507	O					1.33
15.833	0.00	0.36	0.504	O					1.32
15.917	0.00	0.36	0.502	O					1.31
16.000	0.00	0.36	0.499	O					1.31
16.083	0.00	0.36	0.497	O					1.30
16.167	0.00	0.36	0.494	O					1.30
16.250	0.00	0.36	0.492	O					1.29
16.333	0.00	0.36	0.489	O					1.29
16.417	0.00	0.36	0.487	O					1.28
16.500	0.00	0.36	0.484	O					1.28
16.583	0.00	0.36	0.482	O					1.27
16.667	0.00	0.36	0.479	O					1.27
16.750	0.00	0.36	0.477	O					1.26
16.833	0.00	0.36	0.474	O					1.25
16.917	0.00	0.35	0.472	O					1.25
17.000	0.00	0.35	0.470	O					1.24
17.083	0.00	0.35	0.467	O					1.24
17.167	0.00	0.35	0.465	O					1.23
17.250	0.00	0.35	0.462	O					1.23
17.333	0.00	0.35	0.460	O					1.22
17.417	0.00	0.35	0.457	O					1.22
17.500	0.00	0.35	0.455	O					1.21
17.583	0.00	0.35	0.453	O					1.21
17.667	0.00	0.35	0.450	O					1.20
17.750	0.00	0.35	0.448	O					1.20
17.833	0.00	0.35	0.445	O					1.19
17.917	0.00	0.35	0.443	O					1.18
18.000	0.00	0.35	0.441	O					1.18
18.083	0.00	0.34	0.438	O					1.17

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

18.167	0.00	0.34	0.436	0					1.17
18.250	0.00	0.34	0.434	0					1.16
18.333	0.00	0.34	0.431	0					1.16
18.417	0.00	0.34	0.429	0					1.15
18.500	0.00	0.34	0.427	0					1.15
18.583	0.00	0.34	0.424	0					1.14
18.667	0.00	0.34	0.422	0					1.14
18.750	0.00	0.34	0.420	0					1.13
18.833	0.00	0.34	0.417	0					1.13
18.917	0.00	0.34	0.415	0					1.12
19.000	0.00	0.34	0.413	0					1.12
19.083	0.00	0.34	0.410	0					1.11
19.167	0.00	0.33	0.408	0					1.11
19.250	0.00	0.33	0.406	0					1.10
19.333	0.00	0.33	0.403	0					1.10
19.417	0.00	0.33	0.401	0					1.09
19.500	0.00	0.33	0.399	0					1.09
19.583	0.00	0.33	0.396	0					1.08
19.667	0.00	0.33	0.394	0					1.08
19.750	0.00	0.33	0.392	0					1.07
19.833	0.00	0.33	0.390	0					1.07
19.917	0.00	0.33	0.387	0					1.06
20.000	0.00	0.33	0.385	0					1.06
20.083	0.00	0.33	0.383	0					1.05
20.167	0.00	0.33	0.381	0					1.05
20.250	0.00	0.33	0.378	0					1.04
20.333	0.00	0.33	0.376	0					1.04
20.417	0.00	0.32	0.374	0					1.03
20.500	0.00	0.32	0.372	0					1.03
20.583	0.00	0.32	0.369	0					1.02
20.667	0.00	0.32	0.367	0					1.02
20.750	0.00	0.32	0.365	0					1.01
20.833	0.00	0.32	0.363	0					1.01
20.917	0.00	0.32	0.361	0					1.00
21.000	0.00	0.32	0.358	0					1.00
21.083	0.00	0.32	0.356	0					0.99
21.167	0.00	0.31	0.354	0					0.98
21.250	0.00	0.31	0.352	0					0.98
21.333	0.00	0.31	0.350	0					0.97
21.417	0.00	0.31	0.348	0					0.97
21.500	0.00	0.31	0.345	0					0.96
21.583	0.00	0.31	0.343	0					0.95
21.667	0.00	0.30	0.341	0					0.95
21.750	0.00	0.30	0.339	0					0.94
21.833	0.00	0.30	0.337	0					0.94
21.917	0.00	0.30	0.335	0					0.93
22.000	0.00	0.30	0.333	0					0.92
22.083	0.00	0.29	0.331	0					0.92
22.167	0.00	0.29	0.329	0					0.91
22.250	0.00	0.29	0.327	0					0.91
22.333	0.00	0.29	0.325	0					0.90
22.417	0.00	0.29	0.323	0					0.90
22.500	0.00	0.29	0.321	0					0.89
22.583	0.00	0.28	0.319	0					0.89
22.667	0.00	0.28	0.317	0					0.88
22.750	0.00	0.28	0.315	0					0.88
22.833	0.00	0.28	0.313	0					0.87
22.917	0.00	0.28	0.311	0					0.86
23.000	0.00	0.28	0.309	0					0.86
23.083	0.00	0.27	0.308	0					0.85
23.167	0.00	0.27	0.306	0					0.85
23.250	0.00	0.27	0.304	0					0.84
23.333	0.00	0.27	0.302	0					0.84
23.417	0.00	0.27	0.300	0					0.83
23.500	0.00	0.27	0.298	0					0.83
23.583	0.00	0.26	0.296	0					0.82
23.667	0.00	0.26	0.295	0					0.82
23.750	0.00	0.26	0.293	0					0.81
23.833	0.00	0.26	0.291	0					0.81
23.917	0.00	0.26	0.289	0					0.80
24.000	0.00	0.26	0.287	0					0.80
24.083	0.00	0.25	0.286	0					0.79

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

24.167	0.00	0.25	0.284	0					0.79
24.250	0.00	0.25	0.282	0					0.78
24.333	0.00	0.25	0.281	0					0.78
24.417	0.00	0.25	0.279	0					0.77
24.500	0.00	0.25	0.277	0					0.77
24.583	0.00	0.24	0.275	0					0.77
24.667	0.00	0.24	0.274	0					0.76
24.750	0.00	0.24	0.272	0					0.76
24.833	0.00	0.24	0.270	0					0.75
24.917	0.00	0.24	0.269	0					0.75
25.000	0.00	0.24	0.267	0					0.74
25.083	0.00	0.24	0.265	0					0.74
25.167	0.00	0.23	0.264	0					0.73
25.250	0.00	0.23	0.262	0					0.73
25.333	0.00	0.23	0.261	0					0.72
25.417	0.00	0.23	0.259	0					0.72
25.500	0.00	0.23	0.257	0					0.72
25.583	0.00	0.23	0.256	0					0.71
25.667	0.00	0.23	0.254	0					0.71
25.750	0.00	0.22	0.253	0					0.70
25.833	0.00	0.22	0.251	0					0.70
25.917	0.00	0.22	0.250	0					0.69
26.000	0.00	0.22	0.248	0					0.69
26.083	0.00	0.22	0.247	0					0.69
26.167	0.00	0.22	0.245	0					0.68
26.250	0.00	0.22	0.244	0					0.68
26.333	0.00	0.22	0.242	0					0.67
26.417	0.00	0.21	0.241	0					0.67
26.500	0.00	0.21	0.239	0					0.66
26.583	0.00	0.21	0.238	0					0.66
26.667	0.00	0.21	0.236	0					0.66
26.750	0.00	0.21	0.235	0					0.65
26.833	0.00	0.21	0.233	0					0.65
26.917	0.00	0.21	0.232	0					0.64
27.000	0.00	0.20	0.231	0					0.64
27.083	0.00	0.20	0.229	0					0.64
27.167	0.00	0.20	0.228	0					0.63
27.250	0.00	0.20	0.226	0					0.63
27.333	0.00	0.20	0.225	0					0.63
27.417	0.00	0.20	0.224	0					0.62
27.500	0.00	0.20	0.222	0					0.62
27.583	0.00	0.20	0.221	0					0.61
27.667	0.00	0.20	0.220	0					0.61
27.750	0.00	0.19	0.218	0					0.61
27.833	0.00	0.19	0.217	0					0.60
27.917	0.00	0.19	0.216	0					0.60
28.000	0.00	0.19	0.214	0					0.60
28.083	0.00	0.19	0.213	0					0.59
28.167	0.00	0.19	0.212	0					0.59
28.250	0.00	0.19	0.210	0					0.58
28.333	0.00	0.19	0.209	0					0.58
28.417	0.00	0.18	0.208	0					0.58
28.500	0.00	0.18	0.207	0					0.57
28.583	0.00	0.18	0.205	0					0.57
28.667	0.00	0.18	0.204	0					0.57
28.750	0.00	0.18	0.203	0					0.56
28.833	0.00	0.18	0.202	0					0.56
28.917	0.00	0.18	0.200	0					0.56
29.000	0.00	0.18	0.199	0					0.55
29.083	0.00	0.18	0.198	0					0.55
29.167	0.00	0.17	0.197	0					0.55
29.250	0.00	0.17	0.195	0					0.54
29.333	0.00	0.17	0.194	0					0.54
29.417	0.00	0.17	0.193	0					0.54
29.500	0.00	0.17	0.192	0					0.53
29.583	0.00	0.17	0.191	0					0.53
29.667	0.00	0.17	0.190	0					0.53
29.750	0.00	0.17	0.188	0					0.52
29.833	0.00	0.17	0.187	0					0.52
29.917	0.00	0.17	0.186	0					0.52
30.000	0.00	0.16	0.185	0					0.51
30.083	0.00	0.16	0.184	0					0.51

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

30.167	0.00	0.16	0.183	0					0.51
30.250	0.00	0.16	0.182	0					0.50
30.333	0.00	0.16	0.181	0					0.50
30.417	0.00	0.16	0.179	0					0.50
30.500	0.00	0.16	0.178	0					0.50
30.583	0.00	0.16	0.177	0					0.49
30.667	0.00	0.16	0.176	0					0.49
30.750	0.00	0.16	0.175	0					0.49
30.833	0.00	0.15	0.174	0					0.48
30.917	0.00	0.15	0.173	0					0.48
31.000	0.00	0.15	0.172	0					0.48
31.083	0.00	0.15	0.171	0					0.47
31.167	0.00	0.15	0.170	0					0.47
31.250	0.00	0.15	0.169	0					0.47
31.333	0.00	0.15	0.168	0					0.47
31.417	0.00	0.15	0.167	0					0.46
31.500	0.00	0.15	0.166	0					0.46
31.583	0.00	0.15	0.165	0					0.46
31.667	0.00	0.15	0.164	0					0.45
31.750	0.00	0.14	0.163	0					0.45
31.833	0.00	0.14	0.162	0					0.45
31.917	0.00	0.14	0.161	0					0.45
32.000	0.00	0.14	0.160	0					0.44
32.083	0.00	0.14	0.159	0					0.44
32.167	0.00	0.14	0.158	0					0.44
32.250	0.00	0.14	0.157	0					0.44
32.333	0.00	0.14	0.156	0					0.43
32.417	0.00	0.14	0.155	0					0.43
32.500	0.00	0.14	0.154	0					0.43
32.583	0.00	0.14	0.153	0					0.43
32.667	0.00	0.14	0.152	0					0.42
32.750	0.00	0.13	0.151	0					0.42
32.833	0.00	0.13	0.150	0					0.42
32.917	0.00	0.13	0.149	0					0.41
33.000	0.00	0.13	0.148	0					0.41
33.083	0.00	0.13	0.148	0					0.41
33.167	0.00	0.13	0.147	0					0.41
33.250	0.00	0.13	0.146	0					0.40
33.333	0.00	0.13	0.145	0					0.40
33.417	0.00	0.13	0.144	0					0.40
33.500	0.00	0.13	0.143	0					0.40
33.583	0.00	0.13	0.142	0					0.39
33.667	0.00	0.13	0.141	0					0.39
33.750	0.00	0.12	0.140	0					0.39
33.833	0.00	0.12	0.140	0					0.39
33.917	0.00	0.12	0.139	0					0.39
34.000	0.00	0.12	0.138	0					0.38
34.083	0.00	0.12	0.137	0					0.38
34.167	0.00	0.12	0.136	0					0.38
34.250	0.00	0.12	0.135	0					0.38
34.333	0.00	0.12	0.135	0					0.37
34.417	0.00	0.12	0.134	0					0.37
34.500	0.00	0.12	0.133	0					0.37
34.583	0.00	0.12	0.132	0					0.37
34.667	0.00	0.12	0.131	0					0.36
34.750	0.00	0.12	0.131	0					0.36
34.833	0.00	0.12	0.130	0					0.36
34.917	0.00	0.11	0.129	0					0.36
35.000	0.00	0.11	0.128	0					0.36
35.083	0.00	0.11	0.127	0					0.35
35.167	0.00	0.11	0.127	0					0.35
35.250	0.00	0.11	0.126	0					0.35
35.333	0.00	0.11	0.125	0					0.35
35.417	0.00	0.11	0.124	0					0.35
35.500	0.00	0.11	0.124	0					0.34
35.583	0.00	0.11	0.123	0					0.34
35.667	0.00	0.11	0.122	0					0.34
35.750	0.00	0.11	0.121	0					0.34
35.833	0.00	0.11	0.121	0					0.33
35.917	0.00	0.11	0.120	0					0.33
36.000	0.00	0.11	0.119	0					0.33
36.083	0.00	0.11	0.118	0					0.33

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

36.167	0.00	0.10	0.118	0					0.33
36.250	0.00	0.10	0.117	0					0.32
36.333	0.00	0.10	0.116	0					0.32
36.417	0.00	0.10	0.115	0					0.32
36.500	0.00	0.10	0.115	0					0.32
36.583	0.00	0.10	0.114	0					0.32
36.667	0.00	0.10	0.113	0					0.31
36.750	0.00	0.10	0.113	0					0.31
36.833	0.00	0.10	0.112	0					0.31
36.917	0.00	0.10	0.111	0					0.31
37.000	0.00	0.10	0.111	0					0.31
37.083	0.00	0.10	0.110	0					0.31
37.167	0.00	0.10	0.109	0					0.30
37.250	0.00	0.10	0.109	0					0.30
37.333	0.00	0.10	0.108	0					0.30
37.417	0.00	0.10	0.107	0					0.30
37.500	0.00	0.09	0.107	0					0.30
37.583	0.00	0.09	0.106	0					0.29
37.667	0.00	0.09	0.105	0					0.29
37.750	0.00	0.09	0.105	0					0.29
37.833	0.00	0.09	0.104	0					0.29
37.917	0.00	0.09	0.103	0					0.29
38.000	0.00	0.09	0.103	0					0.29
38.083	0.00	0.09	0.102	0					0.28
38.167	0.00	0.09	0.102	0					0.28
38.250	0.00	0.09	0.101	0					0.28
38.333	0.00	0.09	0.100	0					0.28
38.417	0.00	0.09	0.100	0					0.28
38.500	0.00	0.09	0.099	0					0.28
38.583	0.00	0.09	0.098	0					0.27
38.667	0.00	0.09	0.098	0					0.27
38.750	0.00	0.09	0.097	0					0.27
38.833	0.00	0.09	0.097	0					0.27
38.917	0.00	0.09	0.096	0					0.27
39.000	0.00	0.08	0.096	0					0.27
39.083	0.00	0.08	0.095	0					0.26
39.167	0.00	0.08	0.094	0					0.26
39.250	0.00	0.08	0.094	0					0.26
39.333	0.00	0.08	0.093	0					0.26
39.417	0.00	0.08	0.093	0					0.26
39.500	0.00	0.08	0.092	0					0.26
39.583	0.00	0.08	0.092	0					0.25
39.667	0.00	0.08	0.091	0					0.25
39.750	0.00	0.08	0.090	0					0.25
39.833	0.00	0.08	0.090	0					0.25
39.917	0.00	0.08	0.089	0					0.25
40.000	0.00	0.08	0.089	0					0.25
40.083	0.00	0.08	0.088	0					0.25
40.167	0.00	0.08	0.088	0					0.24
40.250	0.00	0.08	0.087	0					0.24
40.333	0.00	0.08	0.087	0					0.24
40.417	0.00	0.08	0.086	0					0.24
40.500	0.00	0.08	0.086	0					0.24
40.583	0.00	0.08	0.085	0					0.24
40.667	0.00	0.08	0.085	0					0.23
40.750	0.00	0.07	0.084	0					0.23
40.833	0.00	0.07	0.083	0					0.23
40.917	0.00	0.07	0.083	0					0.23
41.000	0.00	0.07	0.082	0					0.23
41.083	0.00	0.07	0.082	0					0.23
41.167	0.00	0.07	0.081	0					0.23
41.250	0.00	0.07	0.081	0					0.22
41.333	0.00	0.07	0.080	0					0.22
41.417	0.00	0.07	0.080	0					0.22
41.500	0.00	0.07	0.079	0					0.22
41.583	0.00	0.07	0.079	0					0.22
41.667	0.00	0.07	0.079	0					0.22
41.750	0.00	0.07	0.078	0					0.22
41.833	0.00	0.07	0.078	0					0.22
41.917	0.00	0.07	0.077	0					0.21
42.000	0.00	0.07	0.077	0					0.21
42.083	0.00	0.07	0.076	0					0.21

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

42.167	0.00	0.07	0.076	0					0.21
42.250	0.00	0.07	0.075	0					0.21
42.333	0.00	0.07	0.075	0					0.21
42.417	0.00	0.07	0.074	0					0.21
42.500	0.00	0.07	0.074	0					0.21
42.583	0.00	0.07	0.073	0					0.20
42.667	0.00	0.06	0.073	0					0.20
42.750	0.00	0.06	0.073	0					0.20
42.833	0.00	0.06	0.072	0					0.20
42.917	0.00	0.06	0.072	0					0.20
43.000	0.00	0.06	0.071	0					0.20
43.083	0.00	0.06	0.071	0					0.20
43.167	0.00	0.06	0.070	0					0.20
43.250	0.00	0.06	0.070	0					0.19
43.333	0.00	0.06	0.069	0					0.19
43.417	0.00	0.06	0.069	0					0.19
43.500	0.00	0.06	0.069	0					0.19
43.583	0.00	0.06	0.068	0					0.19
43.667	0.00	0.06	0.068	0					0.19
43.750	0.00	0.06	0.067	0					0.19
43.833	0.00	0.06	0.067	0					0.19
43.917	0.00	0.06	0.067	0					0.18
44.000	0.00	0.06	0.066	0					0.18
44.083	0.00	0.06	0.066	0					0.18
44.167	0.00	0.06	0.065	0					0.18
44.250	0.00	0.06	0.065	0					0.18
44.333	0.00	0.06	0.065	0					0.18
44.417	0.00	0.06	0.064	0					0.18
44.500	0.00	0.06	0.064	0					0.18
44.583	0.00	0.06	0.063	0					0.18
44.667	0.00	0.06	0.063	0					0.17
44.750	0.00	0.06	0.063	0					0.17
44.833	0.00	0.06	0.062	0					0.17
44.917	0.00	0.05	0.062	0					0.17
45.000	0.00	0.05	0.061	0					0.17
45.083	0.00	0.05	0.061	0					0.17
45.167	0.00	0.05	0.061	0					0.17
45.250	0.00	0.05	0.060	0					0.17
45.333	0.00	0.05	0.060	0					0.17
45.417	0.00	0.05	0.060	0					0.17
45.500	0.00	0.05	0.059	0					0.16
45.583	0.00	0.05	0.059	0					0.16
45.667	0.00	0.05	0.059	0					0.16
45.750	0.00	0.05	0.058	0					0.16
45.833	0.00	0.05	0.058	0					0.16
45.917	0.00	0.05	0.057	0					0.16
46.000	0.00	0.05	0.057	0					0.16
46.083	0.00	0.05	0.057	0					0.16
46.167	0.00	0.05	0.056	0					0.16
46.250	0.00	0.05	0.056	0					0.16
46.333	0.00	0.05	0.056	0					0.15
46.417	0.00	0.05	0.055	0					0.15
46.500	0.00	0.05	0.055	0					0.15
46.583	0.00	0.05	0.055	0					0.15
46.667	0.00	0.05	0.054	0					0.15
46.750	0.00	0.05	0.054	0					0.15
46.833	0.00	0.05	0.054	0					0.15
46.917	0.00	0.05	0.053	0					0.15
47.000	0.00	0.05	0.053	0					0.15
47.083	0.00	0.05	0.053	0					0.15
47.167	0.00	0.05	0.052	0					0.15
47.250	0.00	0.05	0.052	0					0.14
47.333	0.00	0.05	0.052	0					0.14
47.417	0.00	0.05	0.051	0					0.14
47.500	0.00	0.05	0.051	0					0.14
47.583	0.00	0.05	0.051	0					0.14
47.667	0.00	0.04	0.051	0					0.14
47.750	0.00	0.04	0.050	0					0.14
47.833	0.00	0.04	0.050	0					0.14
47.917	0.00	0.04	0.050	0					0.14
48.000	0.00	0.04	0.049	0					0.14
48.083	0.00	0.04	0.049	0					0.14

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

48.167	0.00	0.04	0.049	0					0.14
48.250	0.00	0.04	0.048	0					0.13
48.333	0.00	0.04	0.048	0					0.13
48.417	0.00	0.04	0.048	0					0.13
48.500	0.00	0.04	0.048	0					0.13
48.583	0.00	0.04	0.047	0					0.13
48.667	0.00	0.04	0.047	0					0.13
48.750	0.00	0.04	0.047	0					0.13
48.833	0.00	0.04	0.046	0					0.13
48.917	0.00	0.04	0.046	0					0.13
49.000	0.00	0.04	0.046	0					0.13
49.083	0.00	0.04	0.046	0					0.13
49.167	0.00	0.04	0.045	0					0.13
49.250	0.00	0.04	0.045	0					0.12
49.333	0.00	0.04	0.045	0					0.12
49.417	0.00	0.04	0.044	0					0.12
49.500	0.00	0.04	0.044	0					0.12
49.583	0.00	0.04	0.044	0					0.12
49.667	0.00	0.04	0.044	0					0.12
49.750	0.00	0.04	0.043	0					0.12
49.833	0.00	0.04	0.043	0					0.12
49.917	0.00	0.04	0.043	0					0.12
50.000	0.00	0.04	0.043	0					0.12
50.083	0.00	0.04	0.042	0					0.12
50.167	0.00	0.04	0.042	0					0.12
50.250	0.00	0.04	0.042	0					0.12
50.333	0.00	0.04	0.042	0					0.12
50.417	0.00	0.04	0.041	0					0.11
50.500	0.00	0.04	0.041	0					0.11
50.583	0.00	0.04	0.041	0					0.11
50.667	0.00	0.04	0.041	0					0.11
50.750	0.00	0.04	0.040	0					0.11
50.833	0.00	0.04	0.040	0					0.11
50.917	0.00	0.04	0.040	0					0.11
51.000	0.00	0.04	0.040	0					0.11
51.083	0.00	0.03	0.039	0					0.11
51.167	0.00	0.03	0.039	0					0.11
51.250	0.00	0.03	0.039	0					0.11
51.333	0.00	0.03	0.039	0					0.11
51.417	0.00	0.03	0.038	0					0.11
51.500	0.00	0.03	0.038	0					0.11
51.583	0.00	0.03	0.038	0					0.11
51.667	0.00	0.03	0.038	0					0.10
51.750	0.00	0.03	0.037	0					0.10
51.833	0.00	0.03	0.037	0					0.10
51.917	0.00	0.03	0.037	0					0.10
52.000	0.00	0.03	0.037	0					0.10
52.083	0.00	0.03	0.037	0					0.10
52.167	0.00	0.03	0.036	0					0.10
52.250	0.00	0.03	0.036	0					0.10
52.333	0.00	0.03	0.036	0					0.10
52.417	0.00	0.03	0.036	0					0.10
52.500	0.00	0.03	0.035	0					0.10
52.583	0.00	0.03	0.035	0					0.10
52.667	0.00	0.03	0.035	0					0.10
52.750	0.00	0.03	0.035	0					0.10
52.833	0.00	0.03	0.035	0					0.10
52.917	0.00	0.03	0.034	0					0.10
53.000	0.00	0.03	0.034	0					0.09
53.083	0.00	0.03	0.034	0					0.09
53.167	0.00	0.03	0.034	0					0.09
53.250	0.00	0.03	0.034	0					0.09
53.333	0.00	0.03	0.033	0					0.09
53.417	0.00	0.03	0.033	0					0.09
53.500	0.00	0.03	0.033	0					0.09
53.583	0.00	0.03	0.033	0					0.09
53.667	0.00	0.03	0.033	0					0.09
53.750	0.00	0.03	0.032	0					0.09
53.833	0.00	0.03	0.032	0					0.09
53.917	0.00	0.03	0.032	0					0.09
54.000	0.00	0.03	0.032	0					0.09
54.083	0.00	0.03	0.032	0					0.09

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

54.167	0.00	0.03	0.031	0					0.09
54.250	0.00	0.03	0.031	0					0.09
54.333	0.00	0.03	0.031	0					0.09
54.417	0.00	0.03	0.031	0					0.09
54.500	0.00	0.03	0.031	0					0.08
54.583	0.00	0.03	0.030	0					0.08
54.667	0.00	0.03	0.030	0					0.08
54.750	0.00	0.03	0.030	0					0.08
54.833	0.00	0.03	0.030	0					0.08
54.917	0.00	0.03	0.030	0					0.08
55.000	0.00	0.03	0.029	0					0.08
55.083	0.00	0.03	0.029	0					0.08
55.167	0.00	0.03	0.029	0					0.08
55.250	0.00	0.03	0.029	0					0.08
55.333	0.00	0.03	0.029	0					0.08
55.417	0.00	0.03	0.029	0					0.08
55.500	0.00	0.03	0.028	0					0.08
55.583	0.00	0.03	0.028	0					0.08
55.667	0.00	0.02	0.028	0					0.08
55.750	0.00	0.02	0.028	0					0.08
55.833	0.00	0.02	0.028	0					0.08
55.917	0.00	0.02	0.028	0					0.08
56.000	0.00	0.02	0.027	0					0.08
56.083	0.00	0.02	0.027	0					0.08
56.167	0.00	0.02	0.027	0					0.08
56.250	0.00	0.02	0.027	0					0.07
56.333	0.00	0.02	0.027	0					0.07
56.417	0.00	0.02	0.027	0					0.07
56.500	0.00	0.02	0.026	0					0.07
56.583	0.00	0.02	0.026	0					0.07
56.667	0.00	0.02	0.026	0					0.07
56.750	0.00	0.02	0.026	0					0.07
56.833	0.00	0.02	0.026	0					0.07
56.917	0.00	0.02	0.026	0					0.07
57.000	0.00	0.02	0.025	0					0.07
57.083	0.00	0.02	0.025	0					0.07
57.167	0.00	0.02	0.025	0					0.07
57.250	0.00	0.02	0.025	0					0.07
57.333	0.00	0.02	0.025	0					0.07
57.417	0.00	0.02	0.025	0					0.07
57.500	0.00	0.02	0.025	0					0.07
57.583	0.00	0.02	0.024	0					0.07
57.667	0.00	0.02	0.024	0					0.07
57.750	0.00	0.02	0.024	0					0.07
57.833	0.00	0.02	0.024	0					0.07
57.917	0.00	0.02	0.024	0					0.07
58.000	0.00	0.02	0.024	0					0.07
58.083	0.00	0.02	0.024	0					0.07
58.167	0.00	0.02	0.023	0					0.06
58.250	0.00	0.02	0.023	0					0.06
58.333	0.00	0.02	0.023	0					0.06
58.417	0.00	0.02	0.023	0					0.06
58.500	0.00	0.02	0.023	0					0.06
58.583	0.00	0.02	0.023	0					0.06
58.667	0.00	0.02	0.023	0					0.06
58.750	0.00	0.02	0.022	0					0.06
58.833	0.00	0.02	0.022	0					0.06
58.917	0.00	0.02	0.022	0					0.06
59.000	0.00	0.02	0.022	0					0.06
59.083	0.00	0.02	0.022	0					0.06
59.167	0.00	0.02	0.022	0					0.06
59.250	0.00	0.02	0.022	0					0.06
59.333	0.00	0.02	0.021	0					0.06
59.417	0.00	0.02	0.021	0					0.06
59.500	0.00	0.02	0.021	0					0.06
59.583	0.00	0.02	0.021	0					0.06
59.667	0.00	0.02	0.021	0					0.06
59.750	0.00	0.02	0.021	0					0.06
59.833	0.00	0.02	0.021	0					0.06
59.917	0.00	0.02	0.021	0					0.06
60.000	0.00	0.02	0.020	0					0.06
60.083	0.00	0.02	0.020	0					0.06

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

60.167	0.00	0.02	0.020	0					0.06
60.250	0.00	0.02	0.020	0					0.06
60.333	0.00	0.02	0.020	0					0.06
60.417	0.00	0.02	0.020	0					0.06
60.500	0.00	0.02	0.020	0					0.05
60.583	0.00	0.02	0.020	0					0.05
60.667	0.00	0.02	0.019	0					0.05
60.750	0.00	0.02	0.019	0					0.05
60.833	0.00	0.02	0.019	0					0.05
60.917	0.00	0.02	0.019	0					0.05
61.000	0.00	0.02	0.019	0					0.05
61.083	0.00	0.02	0.019	0					0.05
61.167	0.00	0.02	0.019	0					0.05
61.250	0.00	0.02	0.019	0					0.05
61.333	0.00	0.02	0.019	0					0.05
61.417	0.00	0.02	0.018	0					0.05
61.500	0.00	0.02	0.018	0					0.05
61.583	0.00	0.02	0.018	0					0.05
61.667	0.00	0.02	0.018	0					0.05
61.750	0.00	0.02	0.018	0					0.05
61.833	0.00	0.02	0.018	0					0.05
61.917	0.00	0.02	0.018	0					0.05
62.000	0.00	0.02	0.018	0					0.05
62.083	0.00	0.02	0.018	0					0.05
62.167	0.00	0.02	0.017	0					0.05
62.250	0.00	0.02	0.017	0					0.05
62.333	0.00	0.02	0.017	0					0.05
62.417	0.00	0.02	0.017	0					0.05
62.500	0.00	0.02	0.017	0					0.05
62.583	0.00	0.02	0.017	0					0.05
62.667	0.00	0.01	0.017	0					0.05
62.750	0.00	0.01	0.017	0					0.05
62.833	0.00	0.01	0.017	0					0.05
62.917	0.00	0.01	0.016	0					0.05
63.000	0.00	0.01	0.016	0					0.05
63.083	0.00	0.01	0.016	0					0.05
63.167	0.00	0.01	0.016	0					0.04
63.250	0.00	0.01	0.016	0					0.04
63.333	0.00	0.01	0.016	0					0.04
63.417	0.00	0.01	0.016	0					0.04
63.500	0.00	0.01	0.016	0					0.04
63.583	0.00	0.01	0.016	0					0.04
63.667	0.00	0.01	0.016	0					0.04
63.750	0.00	0.01	0.016	0					0.04
63.833	0.00	0.01	0.015	0					0.04
63.917	0.00	0.01	0.015	0					0.04
64.000	0.00	0.01	0.015	0					0.04
64.083	0.00	0.01	0.015	0					0.04
64.167	0.00	0.01	0.015	0					0.04
64.250	0.00	0.01	0.015	0					0.04
64.333	0.00	0.01	0.015	0					0.04
64.417	0.00	0.01	0.015	0					0.04
64.500	0.00	0.01	0.015	0					0.04
64.583	0.00	0.01	0.015	0					0.04
64.667	0.00	0.01	0.014	0					0.04
64.750	0.00	0.01	0.014	0					0.04
64.833	0.00	0.01	0.014	0					0.04
64.917	0.00	0.01	0.014	0					0.04
65.000	0.00	0.01	0.014	0					0.04
65.083	0.00	0.01	0.014	0					0.04
65.167	0.00	0.01	0.014	0					0.04
65.250	0.00	0.01	0.014	0					0.04
65.333	0.00	0.01	0.014	0					0.04
65.417	0.00	0.01	0.014	0					0.04
65.500	0.00	0.01	0.014	0					0.04
65.583	0.00	0.01	0.014	0					0.04
65.667	0.00	0.01	0.013	0					0.04
65.750	0.00	0.01	0.013	0					0.04
65.833	0.00	0.01	0.013	0					0.04
65.917	0.00	0.01	0.013	0					0.04
66.000	0.00	0.01	0.013	0					0.04
66.083	0.00	0.01	0.013	0					0.04

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

66.167	0.00	0.01	0.013	0					0.04
66.250	0.00	0.01	0.013	0					0.04
66.333	0.00	0.01	0.013	0					0.04
66.417	0.00	0.01	0.013	0					0.04
66.500	0.00	0.01	0.013	0					0.04
66.583	0.00	0.01	0.013	0					0.03
66.667	0.00	0.01	0.013	0					0.03
66.750	0.00	0.01	0.012	0					0.03
66.833	0.00	0.01	0.012	0					0.03
66.917	0.00	0.01	0.012	0					0.03
67.000	0.00	0.01	0.012	0					0.03
67.083	0.00	0.01	0.012	0					0.03
67.167	0.00	0.01	0.012	0					0.03
67.250	0.00	0.01	0.012	0					0.03
67.333	0.00	0.01	0.012	0					0.03
67.417	0.00	0.01	0.012	0					0.03
67.500	0.00	0.01	0.012	0					0.03
67.583	0.00	0.01	0.012	0					0.03
67.667	0.00	0.01	0.012	0					0.03
67.750	0.00	0.01	0.012	0					0.03
67.833	0.00	0.01	0.011	0					0.03
67.917	0.00	0.01	0.011	0					0.03
68.000	0.00	0.01	0.011	0					0.03
68.083	0.00	0.01	0.011	0					0.03
68.167	0.00	0.01	0.011	0					0.03
68.250	0.00	0.01	0.011	0					0.03
68.333	0.00	0.01	0.011	0					0.03
68.417	0.00	0.01	0.011	0					0.03
68.500	0.00	0.01	0.011	0					0.03
68.583	0.00	0.01	0.011	0					0.03
68.667	0.00	0.01	0.011	0					0.03
68.750	0.00	0.01	0.011	0					0.03
68.833	0.00	0.01	0.011	0					0.03
68.917	0.00	0.01	0.011	0					0.03
69.000	0.00	0.01	0.011	0					0.03
69.083	0.00	0.01	0.010	0					0.03
69.167	0.00	0.01	0.010	0					0.03
69.250	0.00	0.01	0.010	0					0.03
69.333	0.00	0.01	0.010	0					0.03
69.417	0.00	0.01	0.010	0					0.03
69.500	0.00	0.01	0.010	0					0.03
69.583	0.00	0.01	0.010	0					0.03
69.667	0.00	0.01	0.010	0					0.03
69.750	0.00	0.01	0.010	0					0.03
69.833	0.00	0.01	0.010	0					0.03
69.917	0.00	0.01	0.010	0					0.03
70.000	0.00	0.01	0.010	0					0.03
70.083	0.00	0.01	0.010	0					0.03
70.167	0.00	0.01	0.010	0					0.03
70.250	0.00	0.01	0.010	0					0.03
70.333	0.00	0.01	0.010	0					0.03
70.417	0.00	0.01	0.009	0					0.03
70.500	0.00	0.01	0.009	0					0.03
70.583	0.00	0.01	0.009	0					0.03
70.667	0.00	0.01	0.009	0					0.03
70.750	0.00	0.01	0.009	0					0.03
70.833	0.00	0.01	0.009	0					0.03
70.917	0.00	0.01	0.009	0					0.03
71.000	0.00	0.01	0.009	0					0.03
71.083	0.00	0.01	0.009	0					0.03
71.167	0.00	0.01	0.009	0					0.02
71.250	0.00	0.01	0.009	0					0.02
71.333	0.00	0.01	0.009	0					0.02
71.417	0.00	0.01	0.009	0					0.02
71.500	0.00	0.01	0.009	0					0.02
71.583	0.00	0.01	0.009	0					0.02
71.667	0.00	0.01	0.009	0					0.02
71.750	0.00	0.01	0.009	0					0.02
71.833	0.00	0.01	0.009	0					0.02
71.917	0.00	0.01	0.009	0					0.02
72.000	0.00	0.01	0.008	0					0.02
72.083	0.00	0.01	0.008	0					0.02

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

72.167	0.00	0.01	0.008	0					0.02
72.250	0.00	0.01	0.008	0					0.02
72.333	0.00	0.01	0.008	0					0.02
72.417	0.00	0.01	0.008	0					0.02
72.500	0.00	0.01	0.008	0					0.02
72.583	0.00	0.01	0.008	0					0.02
72.667	0.00	0.01	0.008	0					0.02
72.750	0.00	0.01	0.008	0					0.02
72.833	0.00	0.01	0.008	0					0.02
72.917	0.00	0.01	0.008	0					0.02
73.000	0.00	0.01	0.008	0					0.02
73.083	0.00	0.01	0.008	0					0.02
73.167	0.00	0.01	0.008	0					0.02
73.250	0.00	0.01	0.008	0					0.02
73.333	0.00	0.01	0.008	0					0.02
73.417	0.00	0.01	0.008	0					0.02
73.500	0.00	0.01	0.008	0					0.02
73.583	0.00	0.01	0.008	0					0.02
73.667	0.00	0.01	0.007	0					0.02
73.750	0.00	0.01	0.007	0					0.02
73.833	0.00	0.01	0.007	0					0.02
73.917	0.00	0.01	0.007	0					0.02
74.000	0.00	0.01	0.007	0					0.02
74.083	0.00	0.01	0.007	0					0.02
74.167	0.00	0.01	0.007	0					0.02
74.250	0.00	0.01	0.007	0					0.02
74.333	0.00	0.01	0.007	0					0.02
74.417	0.00	0.01	0.007	0					0.02
74.500	0.00	0.01	0.007	0					0.02
74.583	0.00	0.01	0.007	0					0.02
74.667	0.00	0.01	0.007	0					0.02
74.750	0.00	0.01	0.007	0					0.02
74.833	0.00	0.01	0.007	0					0.02
74.917	0.00	0.01	0.007	0					0.02
75.000	0.00	0.01	0.007	0					0.02
75.083	0.00	0.01	0.007	0					0.02
75.167	0.00	0.01	0.007	0					0.02
75.250	0.00	0.01	0.007	0					0.02
75.333	0.00	0.01	0.007	0					0.02
75.417	0.00	0.01	0.007	0					0.02
75.500	0.00	0.01	0.007	0					0.02
75.583	0.00	0.01	0.006	0					0.02
75.667	0.00	0.01	0.006	0					0.02
75.750	0.00	0.01	0.006	0					0.02
75.833	0.00	0.01	0.006	0					0.02
75.917	0.00	0.01	0.006	0					0.02
76.000	0.00	0.01	0.006	0					0.02
76.083	0.00	0.01	0.006	0					0.02
76.167	0.00	0.01	0.006	0					0.02
76.250	0.00	0.01	0.006	0					0.02
76.333	0.00	0.01	0.006	0					0.02
76.417	0.00	0.01	0.006	0					0.02
76.500	0.00	0.01	0.006	0					0.02
76.583	0.00	0.01	0.006	0					0.02
76.667	0.00	0.01	0.006	0					0.02
76.750	0.00	0.01	0.006	0					0.02
76.833	0.00	0.01	0.006	0					0.02
76.917	0.00	0.01	0.006	0					0.02
77.000	0.00	0.01	0.006	0					0.02
77.083	0.00	0.01	0.006	0					0.02
77.167	0.00	0.01	0.006	0					0.02
77.250	0.00	0.01	0.006	0					0.02
77.333	0.00	0.01	0.006	0					0.02
77.417	0.00	0.01	0.006	0					0.02
77.500	0.00	0.01	0.006	0					0.02
77.583	0.00	0.00	0.006	0					0.02
77.667	0.00	0.00	0.006	0					0.02
77.750	0.00	0.00	0.006	0					0.02
77.833	0.00	0.00	0.006	0					0.02
77.917	0.00	0.00	0.005	0					0.02
78.000	0.00	0.00	0.005	0					0.02
78.083	0.00	0.00	0.005	0					0.02

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

78.167	0.00	0.00	0.005	0					0.01
78.250	0.00	0.00	0.005	0					0.01
78.333	0.00	0.00	0.005	0					0.01
78.417	0.00	0.00	0.005	0					0.01
78.500	0.00	0.00	0.005	0					0.01
78.583	0.00	0.00	0.005	0					0.01
78.667	0.00	0.00	0.005	0					0.01
78.750	0.00	0.00	0.005	0					0.01
78.833	0.00	0.00	0.005	0					0.01
78.917	0.00	0.00	0.005	0					0.01
79.000	0.00	0.00	0.005	0					0.01
79.083	0.00	0.00	0.005	0					0.01
79.167	0.00	0.00	0.005	0					0.01
79.250	0.00	0.00	0.005	0					0.01
79.333	0.00	0.00	0.005	0					0.01
79.417	0.00	0.00	0.005	0					0.01
79.500	0.00	0.00	0.005	0					0.01
79.583	0.00	0.00	0.005	0					0.01
79.667	0.00	0.00	0.005	0					0.01
79.750	0.00	0.00	0.005	0					0.01
79.833	0.00	0.00	0.005	0					0.01
79.917	0.00	0.00	0.005	0					0.01
80.000	0.00	0.00	0.005	0					0.01
80.083	0.00	0.00	0.005	0					0.01
80.167	0.00	0.00	0.005	0					0.01
80.250	0.00	0.00	0.005	0					0.01
80.333	0.00	0.00	0.005	0					0.01
80.417	0.00	0.00	0.005	0					0.01
80.500	0.00	0.00	0.005	0					0.01
80.583	0.00	0.00	0.005	0					0.01
80.667	0.00	0.00	0.004	0					0.01
80.750	0.00	0.00	0.004	0					0.01
80.833	0.00	0.00	0.004	0					0.01
80.917	0.00	0.00	0.004	0					0.01
81.000	0.00	0.00	0.004	0					0.01
81.083	0.00	0.00	0.004	0					0.01
81.167	0.00	0.00	0.004	0					0.01
81.250	0.00	0.00	0.004	0					0.01
81.333	0.00	0.00	0.004	0					0.01
81.417	0.00	0.00	0.004	0					0.01
81.500	0.00	0.00	0.004	0					0.01
81.583	0.00	0.00	0.004	0					0.01
81.667	0.00	0.00	0.004	0					0.01
81.750	0.00	0.00	0.004	0					0.01
81.833	0.00	0.00	0.004	0					0.01
81.917	0.00	0.00	0.004	0					0.01
82.000	0.00	0.00	0.004	0					0.01
82.083	0.00	0.00	0.004	0					0.01
82.167	0.00	0.00	0.004	0					0.01
82.250	0.00	0.00	0.004	0					0.01
82.333	0.00	0.00	0.004	0					0.01
82.417	0.00	0.00	0.004	0					0.01
82.500	0.00	0.00	0.004	0					0.01
82.583	0.00	0.00	0.004	0					0.01
82.667	0.00	0.00	0.004	0					0.01
82.750	0.00	0.00	0.004	0					0.01
82.833	0.00	0.00	0.004	0					0.01
82.917	0.00	0.00	0.004	0					0.01
83.000	0.00	0.00	0.004	0					0.01
83.083	0.00	0.00	0.004	0					0.01
83.167	0.00	0.00	0.004	0					0.01
83.250	0.00	0.00	0.004	0					0.01
83.333	0.00	0.00	0.004	0					0.01
83.417	0.00	0.00	0.004	0					0.01
83.500	0.00	0.00	0.004	0					0.01
83.583	0.00	0.00	0.004	0					0.01
83.667	0.00	0.00	0.004	0					0.01
83.750	0.00	0.00	0.004	0					0.01
83.833	0.00	0.00	0.004	0					0.01
83.917	0.00	0.00	0.004	0					0.01
84.000	0.00	0.00	0.004	0					0.01
84.083	0.00	0.00	0.003	0					0.01

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

84.167	0.00	0.00	0.003	o					0.01
84.250	0.00	0.00	0.003	o					0.01
84.333	0.00	0.00	0.003	o					0.01
84.417	0.00	0.00	0.003	o					0.01
84.500	0.00	0.00	0.003	o					0.01
84.583	0.00	0.00	0.003	o					0.01
84.667	0.00	0.00	0.003	o					0.01
84.750	0.00	0.00	0.003	o					0.01
84.833	0.00	0.00	0.003	o					0.01
84.917	0.00	0.00	0.003	o					0.01
85.000	0.00	0.00	0.003	o					0.01
85.083	0.00	0.00	0.003	o					0.01
85.167	0.00	0.00	0.003	o					0.01
85.250	0.00	0.00	0.003	o					0.01
85.333	0.00	0.00	0.003	o					0.01
85.417	0.00	0.00	0.003	o					0.01
85.500	0.00	0.00	0.003	o					0.01
85.583	0.00	0.00	0.003	o					0.01
85.667	0.00	0.00	0.003	o					0.01
85.750	0.00	0.00	0.003	o					0.01
85.833	0.00	0.00	0.003	o					0.01
85.917	0.00	0.00	0.003	o					0.01
86.000	0.00	0.00	0.003	o					0.01
86.083	0.00	0.00	0.003	o					0.01
86.167	0.00	0.00	0.003	o					0.01
86.250	0.00	0.00	0.003	o					0.01
86.333	0.00	0.00	0.003	o					0.01
86.417	0.00	0.00	0.003	o					0.01
86.500	0.00	0.00	0.003	o					0.01
86.583	0.00	0.00	0.003	o					0.01
86.667	0.00	0.00	0.003	o					0.01
86.750	0.00	0.00	0.003	o					0.01
86.833	0.00	0.00	0.003	o					0.01
86.917	0.00	0.00	0.003	o					0.01
87.000	0.00	0.00	0.003	o					0.01
87.083	0.00	0.00	0.003	o					0.01
87.167	0.00	0.00	0.003	o					0.01
87.250	0.00	0.00	0.003	o					0.01
87.333	0.00	0.00	0.003	o					0.01
87.417	0.00	0.00	0.003	o					0.01
87.500	0.00	0.00	0.003	o					0.01
87.583	0.00	0.00	0.003	o					0.01
87.667	0.00	0.00	0.003	o					0.01
87.750	0.00	0.00	0.003	o					0.01
87.833	0.00	0.00	0.003	o					0.01
87.917	0.00	0.00	0.003	o					0.01
88.000	0.00	0.00	0.003	o					0.01
88.083	0.00	0.00	0.003	o					0.01
88.167	0.00	0.00	0.003	o					0.01
88.250	0.00	0.00	0.003	o					0.01
88.333	0.00	0.00	0.003	o					0.01
88.417	0.00	0.00	0.003	o					0.01
88.500	0.00	0.00	0.003	o					0.01
88.583	0.00	0.00	0.003	o					0.01
88.667	0.00	0.00	0.002	o					0.01
88.750	0.00	0.00	0.002	o					0.01
88.833	0.00	0.00	0.002	o					0.01
88.917	0.00	0.00	0.002	o					0.01
89.000	0.00	0.00	0.002	o					0.01
89.083	0.00	0.00	0.002	o					0.01
89.167	0.00	0.00	0.002	o					0.01
89.250	0.00	0.00	0.002	o					0.01
89.333	0.00	0.00	0.002	o					0.01
89.417	0.00	0.00	0.002	o					0.01
89.500	0.00	0.00	0.002	o					0.01
89.583	0.00	0.00	0.002	o					0.01
89.667	0.00	0.00	0.002	o					0.01
89.750	0.00	0.00	0.002	o					0.01
89.833	0.00	0.00	0.002	o					0.01
89.917	0.00	0.00	0.002	o					0.01
90.000	0.00	0.00	0.002	o					0.01
90.083	0.00	0.00	0.002	o					0.01

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

90.167	0.00	0.00	0.002	0					0.01
90.250	0.00	0.00	0.002	0					0.01
90.333	0.00	0.00	0.002	0					0.01
90.417	0.00	0.00	0.002	0					0.01
90.500	0.00	0.00	0.002	0					0.01
90.583	0.00	0.00	0.002	0					0.01
90.667	0.00	0.00	0.002	0					0.01
90.750	0.00	0.00	0.002	0					0.01
90.833	0.00	0.00	0.002	0					0.01
90.917	0.00	0.00	0.002	0					0.01
91.000	0.00	0.00	0.002	0					0.01
91.083	0.00	0.00	0.002	0					0.01
91.167	0.00	0.00	0.002	0					0.01
91.250	0.00	0.00	0.002	0					0.01
91.333	0.00	0.00	0.002	0					0.01
91.417	0.00	0.00	0.002	0					0.01
91.500	0.00	0.00	0.002	0					0.01
91.583	0.00	0.00	0.002	0					0.01
91.667	0.00	0.00	0.002	0					0.01
91.750	0.00	0.00	0.002	0					0.01
91.833	0.00	0.00	0.002	0					0.01
91.917	0.00	0.00	0.002	0					0.01
92.000	0.00	0.00	0.002	0					0.01
92.083	0.00	0.00	0.002	0					0.01
92.167	0.00	0.00	0.002	0					0.01
92.250	0.00	0.00	0.002	0					0.01
92.333	0.00	0.00	0.002	0					0.01
92.417	0.00	0.00	0.002	0					0.01
92.500	0.00	0.00	0.002	0					0.01
92.583	0.00	0.00	0.002	0					0.01
92.667	0.00	0.00	0.002	0					0.01
92.750	0.00	0.00	0.002	0					0.01
92.833	0.00	0.00	0.002	0					0.01
92.917	0.00	0.00	0.002	0					0.01
93.000	0.00	0.00	0.002	0					0.01
93.083	0.00	0.00	0.002	0					0.00
93.167	0.00	0.00	0.002	0					0.00
93.250	0.00	0.00	0.002	0					0.00
93.333	0.00	0.00	0.002	0					0.00
93.417	0.00	0.00	0.002	0					0.00
93.500	0.00	0.00	0.002	0					0.00
93.583	0.00	0.00	0.002	0					0.00
93.667	0.00	0.00	0.002	0					0.00
93.750	0.00	0.00	0.002	0					0.00
93.833	0.00	0.00	0.002	0					0.00
93.917	0.00	0.00	0.002	0					0.00
94.000	0.00	0.00	0.002	0					0.00
94.083	0.00	0.00	0.002	0					0.00
94.167	0.00	0.00	0.002	0					0.00
94.250	0.00	0.00	0.002	0					0.00
94.333	0.00	0.00	0.002	0					0.00
94.417	0.00	0.00	0.002	0					0.00
94.500	0.00	0.00	0.002	0					0.00
94.583	0.00	0.00	0.002	0					0.00
94.667	0.00	0.00	0.002	0					0.00
94.750	0.00	0.00	0.002	0					0.00
94.833	0.00	0.00	0.002	0					0.00
94.917	0.00	0.00	0.002	0					0.00
95.000	0.00	0.00	0.002	0					0.00
95.083	0.00	0.00	0.002	0					0.00
95.167	0.00	0.00	0.002	0					0.00
95.250	0.00	0.00	0.002	0					0.00
95.333	0.00	0.00	0.002	0					0.00
95.417	0.00	0.00	0.002	0					0.00
95.500	0.00	0.00	0.002	0					0.00
95.583	0.00	0.00	0.001	0					0.00
95.667	0.00	0.00	0.001	0					0.00
95.750	0.00	0.00	0.001	0					0.00
95.833	0.00	0.00	0.001	0					0.00
95.917	0.00	0.00	0.001	0					0.00
96.000	0.00	0.00	0.001	0					0.00
96.083	0.00	0.00	0.001	0					0.00

Glen Ivy Senior Living

ATTACHMENT D – Detention Basin Routing

96.167	0.00	0.00	0.001	0					0.00
96.250	0.00	0.00	0.001	0					0.00
96.333	0.00	0.00	0.001	0					0.00
96.417	0.00	0.00	0.001	0					0.00
96.500	0.00	0.00	0.001	0					0.00
96.583	0.00	0.00	0.001	0					0.00
96.667	0.00	0.00	0.001	0					0.00
96.750	0.00	0.00	0.001	0					0.00
96.833	0.00	0.00	0.001	0					0.00
96.917	0.00	0.00	0.001	0					0.00
97.000	0.00	0.00	0.001	0					0.00
97.083	0.00	0.00	0.001	0					0.00
97.167	0.00	0.00	0.001	0					0.00
97.250	0.00	0.00	0.001	0					0.00
97.333	0.00	0.00	0.001	0					0.00
97.417	0.00	0.00	0.001	0					0.00
97.500	0.00	0.00	0.001	0					0.00
97.583	0.00	0.00	0.001	0					0.00
97.667	0.00	0.00	0.001	0					0.00
97.750	0.00	0.00	0.001	0					0.00
97.833	0.00	0.00	0.001	0					0.00
97.917	0.00	0.00	0.001	0					0.00
98.000	0.00	0.00	0.001	0					0.00
98.083	0.00	0.00	0.001	0					0.00
98.167	0.00	0.00	0.001	0					0.00
98.250	0.00	0.00	0.001	0					0.00
98.333	0.00	0.00	0.001	0					0.00
98.417	0.00	0.00	0.001	0					0.00
98.500	0.00	0.00	0.001	0					0.00
98.583	0.00	0.00	0.001	0					0.00
98.667	0.00	0.00	0.001	0					0.00
98.750	0.00	0.00	0.001	0					0.00
98.833	0.00	0.00	0.001	0					0.00
98.917	0.00	0.00	0.001	0					0.00
99.000	0.00	0.00	0.001	0					0.00
99.083	0.00	0.00	0.001	0					0.00
99.167	0.00	0.00	0.001	0					0.00
99.250	0.00	0.00	0.001	0					0.00
99.333	0.00	0.00	0.001	0					0.00
99.417	0.00	0.00	0.001	0					0.00
99.500	0.00	0.00	0.001	0					0.00

Remaining water in basin = 0.00 (Ac.Ft)

```

*****HYDROGRAPH DATA*****
      Number of intervals = 1194
      Time interval = 5.0 (Min.)
      Maximum/Peak flow rate = 0.525 (CFS)
      Total volume = 1.025 (Ac.Ft)
      Status of hydrographs being held in storage
      Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
      Peak (CFS) 0.000 0.000 0.000 0.000 0.000
      Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000
*****

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Glen Ivy Senior Living

ATTACHMENT D – Detention Basin Routing

FLOOD HYDROGRAPH ROUTING PROGRAM
 Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2005
 Study date: 08/18/20

 Glen Ivy Senior Living
 Inflow Hydrograph Calculations
 Detention Basin A
 10-year 6-hour storm

Program License Serial Number 4029

 ***** HYDROGRAPH INFORMATION *****
 From study/file name: sh10pr610.rte
 *****HYDROGRAPH DATA*****
 Number of intervals = 75
 Time interval = 5.0 (Min.)
 Maximum/Peak flow rate = 11.111 (CFS)
 Total volume = 1.389 (Ac.Ft)
 Status of hydrographs being held in storage
 Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
 Peak (CFS) 0.000 0.000 0.000 0.000 0.000
 Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
 Process from Point/Station 10.000 to Point/Station 11.000
 **** RETARDING BASIN ROUTING ****

 User entry of depth-outflow-storage data

 Total number of inflow hydrograph intervals = 75
 Hydrograph time unit = 5.000 (Min.)
 Initial depth in storage basin = 0.00 (Ft.)

 Initial basin depth = 0.00 (Ft.)
 Initial basin storage = 0.00 (Ac.Ft)
 Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.360	0.320	0.359	0.361
2.000	0.810	0.460	0.808	0.812
3.000	1.310	0.680	1.308	1.312
4.000	1.860	0.880	1.857	1.863
5.000	2.470	6.320	2.448	2.492
6.000	3.140	16.140	3.084	3.196

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	Depth (Ft.)
0.083	0.43	0.00	0.001	0.00

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

0.167	0.94	0.01	0.006	O I					0.02
0.250	1.10	0.01	0.013	O I					0.04
0.333	1.16	0.02	0.021	O I					0.06
0.417	1.16	0.03	0.029	O I					0.08
0.500	1.25	0.03	0.037	O I					0.10
0.583	1.33	0.04	0.045	O I					0.13
0.667	1.35	0.05	0.054	O I					0.15
0.750	1.36	0.06	0.063	O I					0.18
0.833	1.36	0.06	0.072	O I					0.20
0.917	1.36	0.07	0.081	O I					0.23
1.000	1.44	0.08	0.090	O I					0.25
1.083	1.53	0.09	0.100	O I					0.28
1.167	1.54	0.10	0.110	O I					0.30
1.250	1.55	0.11	0.120	O I					0.33
1.333	1.55	0.12	0.130	O I					0.36
1.417	1.55	0.12	0.139	O I					0.39
1.500	1.55	0.13	0.149	O I					0.41
1.583	1.55	0.14	0.159	O I					0.44
1.667	1.55	0.15	0.169	O I					0.47
1.750	1.55	0.16	0.178	O I					0.50
1.833	1.55	0.17	0.188	O I					0.52
1.917	1.55	0.18	0.197	O I					0.55
2.000	1.64	0.18	0.207	O I					0.58
2.083	1.63	0.19	0.217	O I					0.60
2.167	1.65	0.20	0.227	O I					0.63
2.250	1.73	0.21	0.237	O I					0.66
2.333	1.74	0.22	0.248	O I					0.69
2.417	1.74	0.23	0.258	O I					0.72
2.500	1.74	0.24	0.269	O I					0.75
2.583	1.74	0.25	0.279	O I					0.77
2.667	1.74	0.26	0.289	O I					0.80
2.750	1.83	0.27	0.300	O I					0.83
2.833	1.91	0.28	0.311	O I					0.86
2.917	1.93	0.29	0.322	O I					0.89
3.000	1.94	0.30	0.333	O I					0.93
3.083	1.94	0.31	0.345	O I					0.96
3.167	2.02	0.32	0.356	O I					0.99
3.250	2.11	0.32	0.368	O I					1.02
3.333	2.12	0.33	0.380	O I					1.05
3.417	2.22	0.33	0.393	O I					1.07
3.500	2.39	0.33	0.407	O I					1.10
3.583	2.57	0.34	0.421	O I					1.14
3.667	2.68	0.34	0.437	O I					1.17
3.750	2.79	0.35	0.454	O I					1.21
3.833	2.88	0.35	0.471	O I					1.25
3.917	2.99	0.36	0.489	O I					1.29
4.000	3.08	0.37	0.507	O I					1.33
4.083	3.18	0.37	0.526	O I					1.37
4.167	3.36	0.38	0.546	O I					1.41
4.250	3.56	0.38	0.567	O I					1.46
4.333	3.79	0.39	0.590	O I					1.51
4.417	4.02	0.40	0.614	O I					1.56
4.500	4.15	0.41	0.639	O I					1.62
4.583	4.28	0.42	0.665	O I					1.68
4.667	4.50	0.42	0.693	O I					1.74
4.750	4.73	0.43	0.722	O I					1.80
4.833	4.86	0.44	0.752	O I					1.87
4.917	4.99	0.45	0.782	O I					1.94
5.000	5.21	0.46	0.814	O I					2.01
5.083	5.86	0.48	0.849	O I					2.08
5.167	6.92	0.50	0.890	O I			I		2.16
5.250	7.86	0.52	0.937	O I			I		2.25
5.333	8.62	0.54	0.991	O I			I		2.36
5.417	9.56	0.57	1.049	O I			I		2.48
5.500	11.11	0.59	1.117	O I			I		2.61
5.583	8.23	0.62	1.179	O I			I		2.74
5.667	3.83	0.64	1.216	O I		I			2.81
5.750	2.07	0.65	1.232	O I		I			2.84
5.833	1.23	0.65	1.239	O I					2.86
5.917	0.84	0.65	1.242	O I					2.86
6.000	0.55	0.65	1.242	O I					2.86
6.083	0.25	0.65	1.240	O I					2.86

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

6.167	0.06	0.65	1.237	IO					2.85
6.250	0.02	0.65	1.233	IO					2.85
6.333	0.00	0.64	1.228	IO					2.84
6.417	0.00	0.64	1.224	IO					2.83
6.500	0.00	0.64	1.219	IO					2.82
6.583	0.00	0.64	1.215	IO					2.81
6.667	0.00	0.64	1.211	IO					2.80
6.750	0.00	0.63	1.206	IO					2.79
6.833	0.00	0.63	1.202	IO					2.78
6.917	0.00	0.63	1.198	IO					2.78
7.000	0.00	0.63	1.193	IO					2.77
7.083	0.00	0.63	1.189	IO					2.76
7.167	0.00	0.62	1.185	IO					2.75
7.250	0.00	0.62	1.180	IO					2.74
7.333	0.00	0.62	1.176	IO					2.73
7.417	0.00	0.62	1.172	IO					2.72
7.500	0.00	0.62	1.167	IO					2.71
7.583	0.00	0.62	1.163	IO					2.71
7.667	0.00	0.61	1.159	IO					2.70
7.750	0.00	0.61	1.155	IO					2.69
7.833	0.00	0.61	1.151	IO					2.68
7.917	0.00	0.61	1.146	IO					2.67
8.000	0.00	0.61	1.142	IO					2.66
8.083	0.00	0.60	1.138	IO					2.66
8.167	0.00	0.60	1.134	IO					2.65
8.250	0.00	0.60	1.130	IO					2.64
8.333	0.00	0.60	1.126	IO					2.63
8.417	0.00	0.60	1.121	IO					2.62
8.500	0.00	0.60	1.117	IO					2.61
8.583	0.00	0.59	1.113	IO					2.61
8.667	0.00	0.59	1.109	IO					2.60
8.750	0.00	0.59	1.105	IO					2.59
8.833	0.00	0.59	1.101	IO					2.58
8.917	0.00	0.59	1.097	IO					2.57
9.000	0.00	0.58	1.093	IO					2.57
9.083	0.00	0.58	1.089	IO					2.56
9.167	0.00	0.58	1.085	IO					2.55
9.250	0.00	0.58	1.081	IO					2.54
9.333	0.00	0.58	1.077	IO					2.53
9.417	0.00	0.58	1.073	IO					2.53
9.500	0.00	0.57	1.069	IO					2.52
9.583	0.00	0.57	1.065	IO					2.51
9.667	0.00	0.57	1.061	IO					2.50
9.750	0.00	0.57	1.057	IO					2.49
9.833	0.00	0.57	1.053	IO					2.49
9.917	0.00	0.57	1.049	IO					2.48
10.000	0.00	0.56	1.046	IO					2.47
10.083	0.00	0.56	1.042	IO					2.46
10.167	0.00	0.56	1.038	IO					2.46
10.250	0.00	0.56	1.034	IO					2.45
10.333	0.00	0.56	1.030	IO					2.44
10.417	0.00	0.56	1.026	IO					2.43
10.500	0.00	0.55	1.022	IO					2.42
10.583	0.00	0.55	1.019	IO					2.42
10.667	0.00	0.55	1.015	IO					2.41
10.750	0.00	0.55	1.011	IO					2.40
10.833	0.00	0.55	1.007	IO					2.39
10.917	0.00	0.55	1.004	IO					2.39
11.000	0.00	0.54	1.000	IO					2.38
11.083	0.00	0.54	0.996	IO					2.37
11.167	0.00	0.54	0.992	IO					2.36
11.250	0.00	0.54	0.989	IO					2.36
11.333	0.00	0.54	0.985	IO					2.35
11.417	0.00	0.54	0.981	IO					2.34
11.500	0.00	0.53	0.978	IO					2.34
11.583	0.00	0.53	0.974	IO					2.33
11.667	0.00	0.53	0.970	IO					2.32
11.750	0.00	0.53	0.967	IO					2.31
11.833	0.00	0.53	0.963	IO					2.31
11.917	0.00	0.53	0.959	IO					2.30
12.000	0.00	0.52	0.956	IO					2.29
12.083	0.00	0.52	0.952	IO					2.28

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

12.167	0.00	0.52	0.949	IO					2.28
12.250	0.00	0.52	0.945	IO					2.27
12.333	0.00	0.52	0.941	IO					2.26
12.417	0.00	0.52	0.938	IO					2.26
12.500	0.00	0.51	0.934	IO					2.25
12.583	0.00	0.51	0.931	IO					2.24
12.667	0.00	0.51	0.927	IO					2.23
12.750	0.00	0.51	0.924	IO					2.23
12.833	0.00	0.51	0.920	IO					2.22
12.917	0.00	0.51	0.917	IO					2.21
13.000	0.00	0.51	0.913	IO					2.21
13.083	0.00	0.50	0.910	IO					2.20
13.167	0.00	0.50	0.906	IO					2.19
13.250	0.00	0.50	0.903	IO					2.19
13.333	0.00	0.50	0.899	IO					2.18
13.417	0.00	0.50	0.896	IO					2.17
13.500	0.00	0.50	0.892	IO					2.16
13.583	0.00	0.49	0.889	IO					2.16
13.667	0.00	0.49	0.886	IO					2.15
13.750	0.00	0.49	0.882	IO					2.14
13.833	0.00	0.49	0.879	IO					2.14
13.917	0.00	0.49	0.876	IO					2.13
14.000	0.00	0.49	0.872	IO					2.12
14.083	0.00	0.49	0.869	IO					2.12
14.167	0.00	0.48	0.865	IO					2.11
14.250	0.00	0.48	0.862	IO					2.10
14.333	0.00	0.48	0.859	IO					2.10
14.417	0.00	0.48	0.855	IO					2.09
14.500	0.00	0.48	0.852	IO					2.08
14.583	0.00	0.48	0.849	IO					2.08
14.667	0.00	0.48	0.846	IO					2.07
14.750	0.00	0.47	0.842	IO					2.06
14.833	0.00	0.47	0.839	IO					2.06
14.917	0.00	0.47	0.836	IO					2.05
15.000	0.00	0.47	0.833	IO					2.05
15.083	0.00	0.47	0.829	IO					2.04
15.167	0.00	0.47	0.826	IO					2.03
15.250	0.00	0.47	0.823	IO					2.03
15.333	0.00	0.46	0.820	IO					2.02
15.417	0.00	0.46	0.817	IO					2.01
15.500	0.00	0.46	0.813	IO					2.01
15.583	0.00	0.46	0.810	IO					2.00
15.667	0.00	0.46	0.807	IO					1.99
15.750	0.00	0.46	0.804	IO					1.99
15.833	0.00	0.46	0.801	IO					1.98
15.917	0.00	0.46	0.798	IO					1.97
16.000	0.00	0.46	0.794	IO					1.97
16.083	0.00	0.45	0.791	IO					1.96
16.167	0.00	0.45	0.788	IO					1.95
16.250	0.00	0.45	0.785	IO					1.94
16.333	0.00	0.45	0.782	IO					1.94
16.417	0.00	0.45	0.779	IO					1.93
16.500	0.00	0.45	0.776	IO					1.92
16.583	0.00	0.45	0.773	IO					1.92
16.667	0.00	0.45	0.770	IO					1.91
16.750	0.00	0.45	0.766	IO					1.90
16.833	0.00	0.45	0.763	IO					1.90
16.917	0.00	0.44	0.760	IO					1.89
17.000	0.00	0.44	0.757	IO					1.88
17.083	0.00	0.44	0.754	IO					1.88
17.167	0.00	0.44	0.751	IO					1.87
17.250	0.00	0.44	0.748	IO					1.86
17.333	0.00	0.44	0.745	IO					1.86
17.417	0.00	0.44	0.742	IO					1.85
17.500	0.00	0.44	0.739	IO					1.84
17.583	0.00	0.44	0.736	IO					1.84
17.667	0.00	0.44	0.733	IO					1.83
17.750	0.00	0.44	0.730	IO					1.82
17.833	0.00	0.43	0.727	IO					1.82
17.917	0.00	0.43	0.724	IO					1.81
18.000	0.00	0.43	0.721	IO					1.80
18.083	0.00	0.43	0.718	IO					1.80

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

18.167	0.00	0.43	0.715	IO					1.79
18.250	0.00	0.43	0.712	IO					1.78
18.333	0.00	0.43	0.709	IO					1.78
18.417	0.00	0.43	0.706	IO					1.77
18.500	0.00	0.43	0.703	IO					1.76
18.583	0.00	0.43	0.700	IO					1.76
18.667	0.00	0.42	0.697	IO					1.75
18.750	0.00	0.42	0.695	IO					1.74
18.833	0.00	0.42	0.692	IO					1.74
18.917	0.00	0.42	0.689	IO					1.73
19.000	0.00	0.42	0.686	IO					1.72
19.083	0.00	0.42	0.683	IO					1.72
19.167	0.00	0.42	0.680	IO					1.71
19.250	0.00	0.42	0.677	IO					1.70
19.333	0.00	0.42	0.674	IO					1.70
19.417	0.00	0.42	0.671	IO					1.69
19.500	0.00	0.42	0.669	IO					1.69
19.583	0.00	0.42	0.666	IO					1.68
19.667	0.00	0.41	0.663	IO					1.67
19.750	0.00	0.41	0.660	IO					1.67
19.833	0.00	0.41	0.657	IO					1.66
19.917	0.00	0.41	0.654	IO					1.65
20.000	0.00	0.41	0.651	IO					1.65
20.083	0.00	0.41	0.649	IO					1.64
20.167	0.00	0.41	0.646	IO					1.64
20.250	0.00	0.41	0.643	IO					1.63
20.333	0.00	0.41	0.640	IO					1.62
20.417	0.00	0.41	0.637	IO					1.62
20.500	0.00	0.41	0.635	IO					1.61
20.583	0.00	0.40	0.632	IO					1.60
20.667	0.00	0.40	0.629	IO					1.60
20.750	0.00	0.40	0.626	IO					1.59
20.833	0.00	0.40	0.623	IO					1.59
20.917	0.00	0.40	0.621	IO					1.58
21.000	0.00	0.40	0.618	IO					1.57
21.083	0.00	0.40	0.615	IO					1.57
21.167	0.00	0.40	0.612	IO					1.56
21.250	0.00	0.40	0.610	IO					1.55
21.333	0.00	0.40	0.607	IO					1.55
21.417	0.00	0.40	0.604	IO					1.54
21.500	0.00	0.40	0.601	IO					1.54
21.583	0.00	0.39	0.599	IO					1.53
21.667	0.00	0.39	0.596	IO					1.52
21.750	0.00	0.39	0.593	IO					1.52
21.833	0.00	0.39	0.591	IO					1.51
21.917	0.00	0.39	0.588	IO					1.51
22.000	0.00	0.39	0.585	IO					1.50
22.083	0.00	0.39	0.583	IO					1.49
22.167	0.00	0.39	0.580	IO					1.49
22.250	0.00	0.39	0.577	IO					1.48
22.333	0.00	0.39	0.575	IO					1.48
22.417	0.00	0.39	0.572	IO					1.47
22.500	0.00	0.39	0.569	IO					1.47
22.583	0.00	0.38	0.567	IO					1.46
22.667	0.00	0.38	0.564	IO					1.45
22.750	0.00	0.38	0.561	IO					1.45
22.833	0.00	0.38	0.559	IO					1.44
22.917	0.00	0.38	0.556	IO					1.44
23.000	0.00	0.38	0.553	IO					1.43
23.083	0.00	0.38	0.551	IO					1.42
23.167	0.00	0.38	0.548	IO					1.42
23.250	0.00	0.38	0.546	IO					1.41
23.333	0.00	0.38	0.543	IO					1.41
23.417	0.00	0.38	0.540	IO					1.40
23.500	0.00	0.38	0.538	IO					1.40
23.583	0.00	0.37	0.535	IO					1.39
23.667	0.00	0.37	0.533	IO					1.38
23.750	0.00	0.37	0.530	IO					1.38
23.833	0.00	0.37	0.528	IO					1.37
23.917	0.00	0.37	0.525	IO					1.37
24.000	0.00	0.37	0.522	IO					1.36
24.083	0.00	0.37	0.520	IO					1.36

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

24.167	0.00	0.37	0.517	IO					1.35
24.250	0.00	0.37	0.515	IO					1.34
24.333	0.00	0.37	0.512	IO					1.34
24.417	0.00	0.37	0.510	IO					1.33
24.500	0.00	0.37	0.507	IO					1.33
24.583	0.00	0.37	0.505	IO					1.32
24.667	0.00	0.36	0.502	IO					1.32
24.750	0.00	0.36	0.500	IO					1.31
24.833	0.00	0.36	0.497	IO					1.30
24.917	0.00	0.36	0.495	IO					1.30
25.000	0.00	0.36	0.492	IO					1.29
25.083	0.00	0.36	0.490	IO					1.29
25.167	0.00	0.36	0.487	IO					1.28
25.250	0.00	0.36	0.485	IO					1.28
25.333	0.00	0.36	0.482	IO					1.27
25.417	0.00	0.36	0.480	IO					1.27
25.500	0.00	0.36	0.477	IO					1.26
25.583	0.00	0.36	0.475	IO					1.26
25.667	0.00	0.35	0.472	IO					1.25
25.750	0.00	0.35	0.470	IO					1.24
25.833	0.00	0.35	0.468	IO					1.24
25.917	0.00	0.35	0.465	IO					1.23
26.000	0.00	0.35	0.463	IO					1.23
26.083	0.00	0.35	0.460	IO					1.22
26.167	0.00	0.35	0.458	IO					1.22
26.250	0.00	0.35	0.455	IO					1.21
26.333	0.00	0.35	0.453	IO					1.21
26.417	0.00	0.35	0.451	IO					1.20
26.500	0.00	0.35	0.448	IO					1.20
26.583	0.00	0.35	0.446	O					1.19
26.667	0.00	0.35	0.444	O					1.19
26.750	0.00	0.35	0.441	O					1.18
26.833	0.00	0.34	0.439	O					1.17
26.917	0.00	0.34	0.436	O					1.17
27.000	0.00	0.34	0.434	O					1.16
27.083	0.00	0.34	0.432	O					1.16
27.167	0.00	0.34	0.429	O					1.15
27.250	0.00	0.34	0.427	O					1.15
27.333	0.00	0.34	0.425	O					1.14
27.417	0.00	0.34	0.422	O					1.14
27.500	0.00	0.34	0.420	O					1.13
27.583	0.00	0.34	0.418	O					1.13
27.667	0.00	0.34	0.415	O					1.12
27.750	0.00	0.34	0.413	O					1.12
27.833	0.00	0.34	0.411	O					1.11
27.917	0.00	0.34	0.408	O					1.11
28.000	0.00	0.33	0.406	O					1.10
28.083	0.00	0.33	0.404	O					1.10
28.167	0.00	0.33	0.401	O					1.09
28.250	0.00	0.33	0.399	O					1.09
28.333	0.00	0.33	0.397	O					1.08
28.417	0.00	0.33	0.395	O					1.08
28.500	0.00	0.33	0.392	O					1.07
28.583	0.00	0.33	0.390	O					1.07
28.667	0.00	0.33	0.388	O					1.06
28.750	0.00	0.33	0.386	O					1.06
28.833	0.00	0.33	0.383	O					1.05
28.917	0.00	0.33	0.381	O					1.05
29.000	0.00	0.33	0.379	O					1.04
29.083	0.00	0.33	0.377	O					1.04
29.167	0.00	0.32	0.374	O					1.03
29.250	0.00	0.32	0.372	O					1.03
29.333	0.00	0.32	0.370	O					1.02
29.417	0.00	0.32	0.368	O					1.02
29.500	0.00	0.32	0.365	O					1.01
29.583	0.00	0.32	0.363	O					1.01
29.667	0.00	0.32	0.361	O					1.00
29.750	0.00	0.32	0.359	O					1.00
29.833	0.00	0.32	0.357	O					0.99
29.917	0.00	0.32	0.354	O					0.98
30.000	0.00	0.31	0.352	O					0.98
30.083	0.00	0.31	0.350	O					0.97

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

30.167	0.00	0.31	0.348	0					0.97
30.250	0.00	0.31	0.346	0					0.96
30.333	0.00	0.31	0.344	0					0.95
30.417	0.00	0.30	0.342	0					0.95
30.500	0.00	0.30	0.340	0					0.94
30.583	0.00	0.30	0.337	0					0.94
30.667	0.00	0.30	0.335	0					0.93
30.750	0.00	0.30	0.333	0					0.93
30.833	0.00	0.29	0.331	0					0.92
30.917	0.00	0.29	0.329	0					0.91
31.000	0.00	0.29	0.327	0					0.91
31.083	0.00	0.29	0.325	0					0.90
31.167	0.00	0.29	0.323	0					0.90
31.250	0.00	0.29	0.321	0					0.89
31.333	0.00	0.28	0.319	0					0.89
31.417	0.00	0.28	0.317	0					0.88
31.500	0.00	0.28	0.315	0					0.88
31.583	0.00	0.28	0.314	0					0.87
31.667	0.00	0.28	0.312	0					0.87
31.750	0.00	0.28	0.310	0					0.86
31.833	0.00	0.27	0.308	0					0.86
31.917	0.00	0.27	0.306	0					0.85
32.000	0.00	0.27	0.304	0					0.84
32.083	0.00	0.27	0.302	0					0.84
32.167	0.00	0.27	0.300	0					0.83
32.250	0.00	0.27	0.299	0					0.83
32.333	0.00	0.26	0.297	0					0.82
32.417	0.00	0.26	0.295	0					0.82
32.500	0.00	0.26	0.293	0					0.81
32.583	0.00	0.26	0.291	0					0.81
32.667	0.00	0.26	0.290	0					0.80
32.750	0.00	0.26	0.288	0					0.80
32.833	0.00	0.25	0.286	0					0.79
32.917	0.00	0.25	0.284	0					0.79
33.000	0.00	0.25	0.283	0					0.78
33.083	0.00	0.25	0.281	0					0.78
33.167	0.00	0.25	0.279	0					0.78
33.250	0.00	0.25	0.277	0					0.77
33.333	0.00	0.25	0.276	0					0.77
33.417	0.00	0.24	0.274	0					0.76
33.500	0.00	0.24	0.272	0					0.76
33.583	0.00	0.24	0.271	0					0.75
33.667	0.00	0.24	0.269	0					0.75
33.750	0.00	0.24	0.267	0					0.74
33.833	0.00	0.24	0.266	0					0.74
33.917	0.00	0.23	0.264	0					0.73
34.000	0.00	0.23	0.263	0					0.73
34.083	0.00	0.23	0.261	0					0.72
34.167	0.00	0.23	0.259	0					0.72
34.250	0.00	0.23	0.258	0					0.72
34.333	0.00	0.23	0.256	0					0.71
34.417	0.00	0.23	0.255	0					0.71
34.500	0.00	0.22	0.253	0					0.70
34.583	0.00	0.22	0.252	0					0.70
34.667	0.00	0.22	0.250	0					0.69
34.750	0.00	0.22	0.248	0					0.69
34.833	0.00	0.22	0.247	0					0.69
34.917	0.00	0.22	0.245	0					0.68
35.000	0.00	0.22	0.244	0					0.68
35.083	0.00	0.22	0.242	0					0.67
35.167	0.00	0.21	0.241	0					0.67
35.250	0.00	0.21	0.240	0					0.67
35.333	0.00	0.21	0.238	0					0.66
35.417	0.00	0.21	0.237	0					0.66
35.500	0.00	0.21	0.235	0					0.65
35.583	0.00	0.21	0.234	0					0.65
35.667	0.00	0.21	0.232	0					0.65
35.750	0.00	0.21	0.231	0					0.64
35.833	0.00	0.20	0.229	0					0.64
35.917	0.00	0.20	0.228	0					0.63
36.000	0.00	0.20	0.227	0					0.63
36.083	0.00	0.20	0.225	0					0.63

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

36.167	0.00	0.20	0.224	0					0.62
36.250	0.00	0.20	0.223	0					0.62
36.333	0.00	0.20	0.221	0					0.61
36.417	0.00	0.20	0.220	0					0.61
36.500	0.00	0.19	0.218	0					0.61
36.583	0.00	0.19	0.217	0					0.60
36.667	0.00	0.19	0.216	0					0.60
36.750	0.00	0.19	0.215	0					0.60
36.833	0.00	0.19	0.213	0					0.59
36.917	0.00	0.19	0.212	0					0.59
37.000	0.00	0.19	0.211	0					0.59
37.083	0.00	0.19	0.209	0					0.58
37.167	0.00	0.18	0.208	0					0.58
37.250	0.00	0.18	0.207	0					0.57
37.333	0.00	0.18	0.206	0					0.57
37.417	0.00	0.18	0.204	0					0.57
37.500	0.00	0.18	0.203	0					0.56
37.583	0.00	0.18	0.202	0					0.56
37.667	0.00	0.18	0.201	0					0.56
37.750	0.00	0.18	0.199	0					0.55
37.833	0.00	0.18	0.198	0					0.55
37.917	0.00	0.18	0.197	0					0.55
38.000	0.00	0.17	0.196	0					0.54
38.083	0.00	0.17	0.194	0					0.54
38.167	0.00	0.17	0.193	0					0.54
38.250	0.00	0.17	0.192	0					0.53
38.333	0.00	0.17	0.191	0					0.53
38.417	0.00	0.17	0.190	0					0.53
38.500	0.00	0.17	0.189	0					0.52
38.583	0.00	0.17	0.187	0					0.52
38.667	0.00	0.17	0.186	0					0.52
38.750	0.00	0.16	0.185	0					0.51
38.833	0.00	0.16	0.184	0					0.51
38.917	0.00	0.16	0.183	0					0.51
39.000	0.00	0.16	0.182	0					0.51
39.083	0.00	0.16	0.181	0					0.50
39.167	0.00	0.16	0.180	0					0.50
39.250	0.00	0.16	0.179	0					0.50
39.333	0.00	0.16	0.177	0					0.49
39.417	0.00	0.16	0.176	0					0.49
39.500	0.00	0.16	0.175	0					0.49
39.583	0.00	0.15	0.174	0					0.48
39.667	0.00	0.15	0.173	0					0.48
39.750	0.00	0.15	0.172	0					0.48
39.833	0.00	0.15	0.171	0					0.48
39.917	0.00	0.15	0.170	0					0.47
40.000	0.00	0.15	0.169	0					0.47
40.083	0.00	0.15	0.168	0					0.47
40.167	0.00	0.15	0.167	0					0.46
40.250	0.00	0.15	0.166	0					0.46
40.333	0.00	0.15	0.165	0					0.46
40.417	0.00	0.15	0.164	0					0.46
40.500	0.00	0.14	0.163	0					0.45
40.583	0.00	0.14	0.162	0					0.45
40.667	0.00	0.14	0.161	0					0.45
40.750	0.00	0.14	0.160	0					0.44
40.833	0.00	0.14	0.159	0					0.44
40.917	0.00	0.14	0.158	0					0.44
41.000	0.00	0.14	0.157	0					0.44
41.083	0.00	0.14	0.156	0					0.43
41.167	0.00	0.14	0.155	0					0.43
41.250	0.00	0.14	0.154	0					0.43
41.333	0.00	0.14	0.153	0					0.43
41.417	0.00	0.14	0.152	0					0.42
41.500	0.00	0.13	0.151	0					0.42
41.583	0.00	0.13	0.150	0					0.42
41.667	0.00	0.13	0.149	0					0.42
41.750	0.00	0.13	0.149	0					0.41
41.833	0.00	0.13	0.148	0					0.41
41.917	0.00	0.13	0.147	0					0.41
42.000	0.00	0.13	0.146	0					0.41
42.083	0.00	0.13	0.145	0					0.40

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

42.167	0.00	0.13	0.144	0					0.40
42.250	0.00	0.13	0.143	0					0.40
42.333	0.00	0.13	0.142	0					0.40
42.417	0.00	0.13	0.141	0					0.39
42.500	0.00	0.12	0.141	0					0.39
42.583	0.00	0.12	0.140	0					0.39
42.667	0.00	0.12	0.139	0					0.39
42.750	0.00	0.12	0.138	0					0.38
42.833	0.00	0.12	0.137	0					0.38
42.917	0.00	0.12	0.136	0					0.38
43.000	0.00	0.12	0.136	0					0.38
43.083	0.00	0.12	0.135	0					0.37
43.167	0.00	0.12	0.134	0					0.37
43.250	0.00	0.12	0.133	0					0.37
43.333	0.00	0.12	0.132	0					0.37
43.417	0.00	0.12	0.131	0					0.37
43.500	0.00	0.12	0.131	0					0.36
43.583	0.00	0.12	0.130	0					0.36
43.667	0.00	0.11	0.129	0					0.36
43.750	0.00	0.11	0.128	0					0.36
43.833	0.00	0.11	0.127	0					0.35
43.917	0.00	0.11	0.127	0					0.35
44.000	0.00	0.11	0.126	0					0.35
44.083	0.00	0.11	0.125	0					0.35
44.167	0.00	0.11	0.124	0					0.35
44.250	0.00	0.11	0.124	0					0.34
44.333	0.00	0.11	0.123	0					0.34
44.417	0.00	0.11	0.122	0					0.34
44.500	0.00	0.11	0.121	0					0.34
44.583	0.00	0.11	0.121	0					0.34
44.667	0.00	0.11	0.120	0					0.33
44.750	0.00	0.11	0.119	0					0.33
44.833	0.00	0.11	0.118	0					0.33
44.917	0.00	0.10	0.118	0					0.33
45.000	0.00	0.10	0.117	0					0.33
45.083	0.00	0.10	0.116	0					0.32
45.167	0.00	0.10	0.116	0					0.32
45.250	0.00	0.10	0.115	0					0.32
45.333	0.00	0.10	0.114	0					0.32
45.417	0.00	0.10	0.113	0					0.32
45.500	0.00	0.10	0.113	0					0.31
45.583	0.00	0.10	0.112	0					0.31
45.667	0.00	0.10	0.111	0					0.31
45.750	0.00	0.10	0.111	0					0.31
45.833	0.00	0.10	0.110	0					0.31
45.917	0.00	0.10	0.109	0					0.30
46.000	0.00	0.10	0.109	0					0.30
46.083	0.00	0.10	0.108	0					0.30
46.167	0.00	0.10	0.107	0					0.30
46.250	0.00	0.09	0.107	0					0.30
46.333	0.00	0.09	0.106	0					0.29
46.417	0.00	0.09	0.105	0					0.29
46.500	0.00	0.09	0.105	0					0.29
46.583	0.00	0.09	0.104	0					0.29
46.667	0.00	0.09	0.104	0					0.29
46.750	0.00	0.09	0.103	0					0.29
46.833	0.00	0.09	0.102	0					0.28
46.917	0.00	0.09	0.102	0					0.28
47.000	0.00	0.09	0.101	0					0.28
47.083	0.00	0.09	0.100	0					0.28
47.167	0.00	0.09	0.100	0					0.28
47.250	0.00	0.09	0.099	0					0.28
47.333	0.00	0.09	0.099	0					0.27
47.417	0.00	0.09	0.098	0					0.27
47.500	0.00	0.09	0.097	0					0.27
47.583	0.00	0.09	0.097	0					0.27
47.667	0.00	0.09	0.096	0					0.27
47.750	0.00	0.08	0.096	0					0.27
47.833	0.00	0.08	0.095	0					0.26
47.917	0.00	0.08	0.094	0					0.26
48.000	0.00	0.08	0.094	0					0.26
48.083	0.00	0.08	0.093	0					0.26

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

48.167	0.00	0.08	0.093	0					0.26
48.250	0.00	0.08	0.092	0					0.26
48.333	0.00	0.08	0.092	0					0.25
48.417	0.00	0.08	0.091	0					0.25
48.500	0.00	0.08	0.090	0					0.25
48.583	0.00	0.08	0.090	0					0.25
48.667	0.00	0.08	0.089	0					0.25
48.750	0.00	0.08	0.089	0					0.25
48.833	0.00	0.08	0.088	0					0.25
48.917	0.00	0.08	0.088	0					0.24
49.000	0.00	0.08	0.087	0					0.24
49.083	0.00	0.08	0.087	0					0.24
49.167	0.00	0.08	0.086	0					0.24
49.250	0.00	0.08	0.086	0					0.24
49.333	0.00	0.08	0.085	0					0.24
49.417	0.00	0.08	0.085	0					0.23
49.500	0.00	0.07	0.084	0					0.23
49.583	0.00	0.07	0.084	0					0.23
49.667	0.00	0.07	0.083	0					0.23
49.750	0.00	0.07	0.083	0					0.23
49.833	0.00	0.07	0.082	0					0.23
49.917	0.00	0.07	0.082	0					0.23
50.000	0.00	0.07	0.081	0					0.23
50.083	0.00	0.07	0.081	0					0.22
50.167	0.00	0.07	0.080	0					0.22
50.250	0.00	0.07	0.080	0					0.22
50.333	0.00	0.07	0.079	0					0.22
50.417	0.00	0.07	0.079	0					0.22
50.500	0.00	0.07	0.078	0					0.22
50.583	0.00	0.07	0.078	0					0.22
50.667	0.00	0.07	0.077	0					0.21
50.750	0.00	0.07	0.077	0					0.21
50.833	0.00	0.07	0.076	0					0.21
50.917	0.00	0.07	0.076	0					0.21
51.000	0.00	0.07	0.075	0					0.21
51.083	0.00	0.07	0.075	0					0.21
51.167	0.00	0.07	0.074	0					0.21
51.250	0.00	0.07	0.074	0					0.21
51.333	0.00	0.07	0.073	0					0.20
51.417	0.00	0.06	0.073	0					0.20
51.500	0.00	0.06	0.073	0					0.20
51.583	0.00	0.06	0.072	0					0.20
51.667	0.00	0.06	0.072	0					0.20
51.750	0.00	0.06	0.071	0					0.20
51.833	0.00	0.06	0.071	0					0.20
51.917	0.00	0.06	0.070	0					0.20
52.000	0.00	0.06	0.070	0					0.19
52.083	0.00	0.06	0.070	0					0.19
52.167	0.00	0.06	0.069	0					0.19
52.250	0.00	0.06	0.069	0					0.19
52.333	0.00	0.06	0.068	0					0.19
52.417	0.00	0.06	0.068	0					0.19
52.500	0.00	0.06	0.067	0					0.19
52.583	0.00	0.06	0.067	0					0.19
52.667	0.00	0.06	0.067	0					0.19
52.750	0.00	0.06	0.066	0					0.18
52.833	0.00	0.06	0.066	0					0.18
52.917	0.00	0.06	0.065	0					0.18
53.000	0.00	0.06	0.065	0					0.18
53.083	0.00	0.06	0.065	0					0.18
53.167	0.00	0.06	0.064	0					0.18
53.250	0.00	0.06	0.064	0					0.18
53.333	0.00	0.06	0.063	0					0.18
53.417	0.00	0.06	0.063	0					0.18
53.500	0.00	0.06	0.063	0					0.17
53.583	0.00	0.06	0.062	0					0.17
53.667	0.00	0.06	0.062	0					0.17
53.750	0.00	0.05	0.062	0					0.17
53.833	0.00	0.05	0.061	0					0.17
53.917	0.00	0.05	0.061	0					0.17
54.000	0.00	0.05	0.060	0					0.17
54.083	0.00	0.05	0.060	0					0.17

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

54.167	0.00	0.05	0.060	0					0.17
54.250	0.00	0.05	0.059	0					0.16
54.333	0.00	0.05	0.059	0					0.16
54.417	0.00	0.05	0.059	0					0.16
54.500	0.00	0.05	0.058	0					0.16
54.583	0.00	0.05	0.058	0					0.16
54.667	0.00	0.05	0.058	0					0.16
54.750	0.00	0.05	0.057	0					0.16
54.833	0.00	0.05	0.057	0					0.16
54.917	0.00	0.05	0.056	0					0.16
55.000	0.00	0.05	0.056	0					0.16
55.083	0.00	0.05	0.056	0					0.15
55.167	0.00	0.05	0.055	0					0.15
55.250	0.00	0.05	0.055	0					0.15
55.333	0.00	0.05	0.055	0					0.15
55.417	0.00	0.05	0.054	0					0.15
55.500	0.00	0.05	0.054	0					0.15
55.583	0.00	0.05	0.054	0					0.15
55.667	0.00	0.05	0.053	0					0.15
55.750	0.00	0.05	0.053	0					0.15
55.833	0.00	0.05	0.053	0					0.15
55.917	0.00	0.05	0.052	0					0.15
56.000	0.00	0.05	0.052	0					0.14
56.083	0.00	0.05	0.052	0					0.14
56.167	0.00	0.05	0.052	0					0.14
56.250	0.00	0.05	0.051	0					0.14
56.333	0.00	0.05	0.051	0					0.14
56.417	0.00	0.04	0.051	0					0.14
56.500	0.00	0.04	0.050	0					0.14
56.583	0.00	0.04	0.050	0					0.14
56.667	0.00	0.04	0.050	0					0.14
56.750	0.00	0.04	0.049	0					0.14
56.833	0.00	0.04	0.049	0					0.14
56.917	0.00	0.04	0.049	0					0.14
57.000	0.00	0.04	0.048	0					0.13
57.083	0.00	0.04	0.048	0					0.13
57.167	0.00	0.04	0.048	0					0.13
57.250	0.00	0.04	0.048	0					0.13
57.333	0.00	0.04	0.047	0					0.13
57.417	0.00	0.04	0.047	0					0.13
57.500	0.00	0.04	0.047	0					0.13
57.583	0.00	0.04	0.046	0					0.13
57.667	0.00	0.04	0.046	0					0.13
57.750	0.00	0.04	0.046	0					0.13
57.833	0.00	0.04	0.046	0					0.13
57.917	0.00	0.04	0.045	0					0.13
58.000	0.00	0.04	0.045	0					0.13
58.083	0.00	0.04	0.045	0					0.12
58.167	0.00	0.04	0.044	0					0.12
58.250	0.00	0.04	0.044	0					0.12
58.333	0.00	0.04	0.044	0					0.12
58.417	0.00	0.04	0.044	0					0.12
58.500	0.00	0.04	0.043	0					0.12
58.583	0.00	0.04	0.043	0					0.12
58.667	0.00	0.04	0.043	0					0.12
58.750	0.00	0.04	0.043	0					0.12
58.833	0.00	0.04	0.042	0					0.12
58.917	0.00	0.04	0.042	0					0.12
59.000	0.00	0.04	0.042	0					0.12
59.083	0.00	0.04	0.042	0					0.12
59.167	0.00	0.04	0.041	0					0.11
59.250	0.00	0.04	0.041	0					0.11
59.333	0.00	0.04	0.041	0					0.11
59.417	0.00	0.04	0.041	0					0.11
59.500	0.00	0.04	0.040	0					0.11
59.583	0.00	0.04	0.040	0					0.11
59.667	0.00	0.04	0.040	0					0.11
59.750	0.00	0.04	0.040	0					0.11
59.833	0.00	0.03	0.039	0					0.11
59.917	0.00	0.03	0.039	0					0.11
60.000	0.00	0.03	0.039	0					0.11
60.083	0.00	0.03	0.039	0					0.11

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

60.167	0.00	0.03	0.038	0					0.11
60.250	0.00	0.03	0.038	0					0.11
60.333	0.00	0.03	0.038	0					0.11
60.417	0.00	0.03	0.038	0					0.10
60.500	0.00	0.03	0.037	0					0.10
60.583	0.00	0.03	0.037	0					0.10
60.667	0.00	0.03	0.037	0					0.10
60.750	0.00	0.03	0.037	0					0.10
60.833	0.00	0.03	0.037	0					0.10
60.917	0.00	0.03	0.036	0					0.10
61.000	0.00	0.03	0.036	0					0.10
61.083	0.00	0.03	0.036	0					0.10
61.167	0.00	0.03	0.036	0					0.10
61.250	0.00	0.03	0.035	0					0.10
61.333	0.00	0.03	0.035	0					0.10
61.417	0.00	0.03	0.035	0					0.10
61.500	0.00	0.03	0.035	0					0.10
61.583	0.00	0.03	0.035	0					0.10
61.667	0.00	0.03	0.034	0					0.10
61.750	0.00	0.03	0.034	0					0.09
61.833	0.00	0.03	0.034	0					0.09
61.917	0.00	0.03	0.034	0					0.09
62.000	0.00	0.03	0.034	0					0.09
62.083	0.00	0.03	0.033	0					0.09
62.167	0.00	0.03	0.033	0					0.09
62.250	0.00	0.03	0.033	0					0.09
62.333	0.00	0.03	0.033	0					0.09
62.417	0.00	0.03	0.033	0					0.09
62.500	0.00	0.03	0.032	0					0.09
62.583	0.00	0.03	0.032	0					0.09
62.667	0.00	0.03	0.032	0					0.09
62.750	0.00	0.03	0.032	0					0.09
62.833	0.00	0.03	0.032	0					0.09
62.917	0.00	0.03	0.031	0					0.09
63.000	0.00	0.03	0.031	0					0.09
63.083	0.00	0.03	0.031	0					0.09
63.167	0.00	0.03	0.031	0					0.09
63.250	0.00	0.03	0.031	0					0.09
63.333	0.00	0.03	0.030	0					0.08
63.417	0.00	0.03	0.030	0					0.08
63.500	0.00	0.03	0.030	0					0.08
63.583	0.00	0.03	0.030	0					0.08
63.667	0.00	0.03	0.030	0					0.08
63.750	0.00	0.03	0.030	0					0.08
63.833	0.00	0.03	0.029	0					0.08
63.917	0.00	0.03	0.029	0					0.08
64.000	0.00	0.03	0.029	0					0.08
64.083	0.00	0.03	0.029	0					0.08
64.167	0.00	0.03	0.029	0					0.08
64.250	0.00	0.03	0.028	0					0.08
64.333	0.00	0.03	0.028	0					0.08
64.417	0.00	0.02	0.028	0					0.08
64.500	0.00	0.02	0.028	0					0.08
64.583	0.00	0.02	0.028	0					0.08
64.667	0.00	0.02	0.028	0					0.08
64.750	0.00	0.02	0.027	0					0.08
64.833	0.00	0.02	0.027	0					0.08
64.917	0.00	0.02	0.027	0					0.08
65.000	0.00	0.02	0.027	0					0.07
65.083	0.00	0.02	0.027	0					0.07
65.167	0.00	0.02	0.027	0					0.07
65.250	0.00	0.02	0.026	0					0.07
65.333	0.00	0.02	0.026	0					0.07
65.417	0.00	0.02	0.026	0					0.07
65.500	0.00	0.02	0.026	0					0.07
65.583	0.00	0.02	0.026	0					0.07
65.667	0.00	0.02	0.026	0					0.07
65.750	0.00	0.02	0.025	0					0.07
65.833	0.00	0.02	0.025	0					0.07
65.917	0.00	0.02	0.025	0					0.07
66.000	0.00	0.02	0.025	0					0.07
66.083	0.00	0.02	0.025	0					0.07

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

66.167	0.00	0.02	0.025	0					0.07
66.250	0.00	0.02	0.025	0					0.07
66.333	0.00	0.02	0.024	0					0.07
66.417	0.00	0.02	0.024	0					0.07
66.500	0.00	0.02	0.024	0					0.07
66.583	0.00	0.02	0.024	0					0.07
66.667	0.00	0.02	0.024	0					0.07
66.750	0.00	0.02	0.024	0					0.07
66.833	0.00	0.02	0.024	0					0.07
66.917	0.00	0.02	0.023	0					0.06
67.000	0.00	0.02	0.023	0					0.06
67.083	0.00	0.02	0.023	0					0.06
67.167	0.00	0.02	0.023	0					0.06
67.250	0.00	0.02	0.023	0					0.06
67.333	0.00	0.02	0.023	0					0.06
67.417	0.00	0.02	0.023	0					0.06
67.500	0.00	0.02	0.022	0					0.06
67.583	0.00	0.02	0.022	0					0.06
67.667	0.00	0.02	0.022	0					0.06
67.750	0.00	0.02	0.022	0					0.06
67.833	0.00	0.02	0.022	0					0.06
67.917	0.00	0.02	0.022	0					0.06
68.000	0.00	0.02	0.022	0					0.06
68.083	0.00	0.02	0.021	0					0.06
68.167	0.00	0.02	0.021	0					0.06
68.250	0.00	0.02	0.021	0					0.06
68.333	0.00	0.02	0.021	0					0.06
68.417	0.00	0.02	0.021	0					0.06
68.500	0.00	0.02	0.021	0					0.06
68.583	0.00	0.02	0.021	0					0.06
68.667	0.00	0.02	0.021	0					0.06
68.750	0.00	0.02	0.020	0					0.06
68.833	0.00	0.02	0.020	0					0.06
68.917	0.00	0.02	0.020	0					0.06
69.000	0.00	0.02	0.020	0					0.06
69.083	0.00	0.02	0.020	0					0.06
69.167	0.00	0.02	0.020	0					0.06
69.250	0.00	0.02	0.020	0					0.05
69.333	0.00	0.02	0.020	0					0.05
69.417	0.00	0.02	0.019	0					0.05
69.500	0.00	0.02	0.019	0					0.05
69.583	0.00	0.02	0.019	0					0.05
69.667	0.00	0.02	0.019	0					0.05
69.750	0.00	0.02	0.019	0					0.05
69.833	0.00	0.02	0.019	0					0.05
69.917	0.00	0.02	0.019	0					0.05
70.000	0.00	0.02	0.019	0					0.05
70.083	0.00	0.02	0.019	0					0.05
70.167	0.00	0.02	0.018	0					0.05
70.250	0.00	0.02	0.018	0					0.05
70.333	0.00	0.02	0.018	0					0.05
70.417	0.00	0.02	0.018	0					0.05
70.500	0.00	0.02	0.018	0					0.05
70.583	0.00	0.02	0.018	0					0.05
70.667	0.00	0.02	0.018	0					0.05
70.750	0.00	0.02	0.018	0					0.05
70.833	0.00	0.02	0.018	0					0.05
70.917	0.00	0.02	0.017	0					0.05
71.000	0.00	0.02	0.017	0					0.05
71.083	0.00	0.02	0.017	0					0.05
71.167	0.00	0.02	0.017	0					0.05
71.250	0.00	0.02	0.017	0					0.05
71.333	0.00	0.02	0.017	0					0.05
71.417	0.00	0.01	0.017	0					0.05
71.500	0.00	0.01	0.017	0					0.05
71.583	0.00	0.01	0.017	0					0.05
71.667	0.00	0.01	0.016	0					0.05
71.750	0.00	0.01	0.016	0					0.05
71.833	0.00	0.01	0.016	0					0.05
71.917	0.00	0.01	0.016	0					0.04
72.000	0.00	0.01	0.016	0					0.04
72.083	0.00	0.01	0.016	0					0.04

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

72.167	0.00	0.01	0.016	0					0.04
72.250	0.00	0.01	0.016	0					0.04
72.333	0.00	0.01	0.016	0					0.04
72.417	0.00	0.01	0.016	0					0.04
72.500	0.00	0.01	0.016	0					0.04
72.583	0.00	0.01	0.015	0					0.04
72.667	0.00	0.01	0.015	0					0.04
72.750	0.00	0.01	0.015	0					0.04
72.833	0.00	0.01	0.015	0					0.04
72.917	0.00	0.01	0.015	0					0.04
73.000	0.00	0.01	0.015	0					0.04
73.083	0.00	0.01	0.015	0					0.04
73.167	0.00	0.01	0.015	0					0.04
73.250	0.00	0.01	0.015	0					0.04
73.333	0.00	0.01	0.015	0					0.04
73.417	0.00	0.01	0.015	0					0.04
73.500	0.00	0.01	0.014	0					0.04
73.583	0.00	0.01	0.014	0					0.04
73.667	0.00	0.01	0.014	0					0.04
73.750	0.00	0.01	0.014	0					0.04
73.833	0.00	0.01	0.014	0					0.04
73.917	0.00	0.01	0.014	0					0.04
74.000	0.00	0.01	0.014	0					0.04
74.083	0.00	0.01	0.014	0					0.04
74.167	0.00	0.01	0.014	0					0.04
74.250	0.00	0.01	0.014	0					0.04
74.333	0.00	0.01	0.014	0					0.04
74.417	0.00	0.01	0.013	0					0.04
74.500	0.00	0.01	0.013	0					0.04
74.583	0.00	0.01	0.013	0					0.04
74.667	0.00	0.01	0.013	0					0.04
74.750	0.00	0.01	0.013	0					0.04
74.833	0.00	0.01	0.013	0					0.04
74.917	0.00	0.01	0.013	0					0.04
75.000	0.00	0.01	0.013	0					0.04
75.083	0.00	0.01	0.013	0					0.04
75.167	0.00	0.01	0.013	0					0.04
75.250	0.00	0.01	0.013	0					0.04
75.333	0.00	0.01	0.013	0					0.04
75.417	0.00	0.01	0.013	0					0.03
75.500	0.00	0.01	0.012	0					0.03
75.583	0.00	0.01	0.012	0					0.03
75.667	0.00	0.01	0.012	0					0.03
75.750	0.00	0.01	0.012	0					0.03
75.833	0.00	0.01	0.012	0					0.03
75.917	0.00	0.01	0.012	0					0.03
76.000	0.00	0.01	0.012	0					0.03
76.083	0.00	0.01	0.012	0					0.03
76.167	0.00	0.01	0.012	0					0.03
76.250	0.00	0.01	0.012	0					0.03
76.333	0.00	0.01	0.012	0					0.03
76.417	0.00	0.01	0.012	0					0.03
76.500	0.00	0.01	0.012	0					0.03
76.583	0.00	0.01	0.011	0					0.03
76.667	0.00	0.01	0.011	0					0.03
76.750	0.00	0.01	0.011	0					0.03
76.833	0.00	0.01	0.011	0					0.03
76.917	0.00	0.01	0.011	0					0.03
77.000	0.00	0.01	0.011	0					0.03
77.083	0.00	0.01	0.011	0					0.03
77.167	0.00	0.01	0.011	0					0.03
77.250	0.00	0.01	0.011	0					0.03
77.333	0.00	0.01	0.011	0					0.03
77.417	0.00	0.01	0.011	0					0.03
77.500	0.00	0.01	0.011	0					0.03
77.583	0.00	0.01	0.011	0					0.03
77.667	0.00	0.01	0.011	0					0.03
77.750	0.00	0.01	0.011	0					0.03
77.833	0.00	0.01	0.010	0					0.03
77.917	0.00	0.01	0.010	0					0.03
78.000	0.00	0.01	0.010	0					0.03
78.083	0.00	0.01	0.010	0					0.03

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

78.167	0.00	0.01	0.010	0					0.03
78.250	0.00	0.01	0.010	0					0.03
78.333	0.00	0.01	0.010	0					0.03
78.417	0.00	0.01	0.010	0					0.03
78.500	0.00	0.01	0.010	0					0.03
78.583	0.00	0.01	0.010	0					0.03
78.667	0.00	0.01	0.010	0					0.03
78.750	0.00	0.01	0.010	0					0.03
78.833	0.00	0.01	0.010	0					0.03
78.917	0.00	0.01	0.010	0					0.03
79.000	0.00	0.01	0.010	0					0.03
79.083	0.00	0.01	0.010	0					0.03
79.167	0.00	0.01	0.010	0					0.03
79.250	0.00	0.01	0.009	0					0.03
79.333	0.00	0.01	0.009	0					0.03
79.417	0.00	0.01	0.009	0					0.03
79.500	0.00	0.01	0.009	0					0.03
79.583	0.00	0.01	0.009	0					0.03
79.667	0.00	0.01	0.009	0					0.03
79.750	0.00	0.01	0.009	0					0.03
79.833	0.00	0.01	0.009	0					0.03
79.917	0.00	0.01	0.009	0					0.03
80.000	0.00	0.01	0.009	0					0.02
80.083	0.00	0.01	0.009	0					0.02
80.167	0.00	0.01	0.009	0					0.02
80.250	0.00	0.01	0.009	0					0.02
80.333	0.00	0.01	0.009	0					0.02
80.417	0.00	0.01	0.009	0					0.02
80.500	0.00	0.01	0.009	0					0.02
80.583	0.00	0.01	0.009	0					0.02
80.667	0.00	0.01	0.009	0					0.02
80.750	0.00	0.01	0.008	0					0.02
80.833	0.00	0.01	0.008	0					0.02
80.917	0.00	0.01	0.008	0					0.02
81.000	0.00	0.01	0.008	0					0.02
81.083	0.00	0.01	0.008	0					0.02
81.167	0.00	0.01	0.008	0					0.02
81.250	0.00	0.01	0.008	0					0.02
81.333	0.00	0.01	0.008	0					0.02
81.417	0.00	0.01	0.008	0					0.02
81.500	0.00	0.01	0.008	0					0.02
81.583	0.00	0.01	0.008	0					0.02
81.667	0.00	0.01	0.008	0					0.02
81.750	0.00	0.01	0.008	0					0.02
81.833	0.00	0.01	0.008	0					0.02
81.917	0.00	0.01	0.008	0					0.02
82.000	0.00	0.01	0.008	0					0.02
82.083	0.00	0.01	0.008	0					0.02
82.167	0.00	0.01	0.008	0					0.02
82.250	0.00	0.01	0.008	0					0.02
82.333	0.00	0.01	0.008	0					0.02
82.417	0.00	0.01	0.007	0					0.02
82.500	0.00	0.01	0.007	0					0.02
82.583	0.00	0.01	0.007	0					0.02
82.667	0.00	0.01	0.007	0					0.02
82.750	0.00	0.01	0.007	0					0.02
82.833	0.00	0.01	0.007	0					0.02
82.917	0.00	0.01	0.007	0					0.02
83.000	0.00	0.01	0.007	0					0.02
83.083	0.00	0.01	0.007	0					0.02
83.167	0.00	0.01	0.007	0					0.02
83.250	0.00	0.01	0.007	0					0.02
83.333	0.00	0.01	0.007	0					0.02
83.417	0.00	0.01	0.007	0					0.02
83.500	0.00	0.01	0.007	0					0.02
83.583	0.00	0.01	0.007	0					0.02
83.667	0.00	0.01	0.007	0					0.02
83.750	0.00	0.01	0.007	0					0.02
83.833	0.00	0.01	0.007	0					0.02
83.917	0.00	0.01	0.007	0					0.02
84.000	0.00	0.01	0.007	0					0.02
84.083	0.00	0.01	0.007	0					0.02

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

84.167	0.00	0.01	0.007	0					0.02
84.250	0.00	0.01	0.007	0					0.02
84.333	0.00	0.01	0.007	0					0.02
84.417	0.00	0.01	0.006	0					0.02
84.500	0.00	0.01	0.006	0					0.02
84.583	0.00	0.01	0.006	0					0.02
84.667	0.00	0.01	0.006	0					0.02
84.750	0.00	0.01	0.006	0					0.02
84.833	0.00	0.01	0.006	0					0.02
84.917	0.00	0.01	0.006	0					0.02
85.000	0.00	0.01	0.006	0					0.02
85.083	0.00	0.01	0.006	0					0.02
85.167	0.00	0.01	0.006	0					0.02
85.250	0.00	0.01	0.006	0					0.02
85.333	0.00	0.01	0.006	0					0.02
85.417	0.00	0.01	0.006	0					0.02
85.500	0.00	0.01	0.006	0					0.02
85.583	0.00	0.01	0.006	0					0.02
85.667	0.00	0.01	0.006	0					0.02
85.750	0.00	0.01	0.006	0					0.02
85.833	0.00	0.01	0.006	0					0.02
85.917	0.00	0.01	0.006	0					0.02
86.000	0.00	0.01	0.006	0					0.02
86.083	0.00	0.01	0.006	0					0.02
86.167	0.00	0.01	0.006	0					0.02
86.250	0.00	0.01	0.006	0					0.02
86.333	0.00	0.00	0.006	0					0.02
86.417	0.00	0.00	0.006	0					0.02
86.500	0.00	0.00	0.006	0					0.02
86.583	0.00	0.00	0.006	0					0.02
86.667	0.00	0.00	0.005	0					0.02
86.750	0.00	0.00	0.005	0					0.02
86.833	0.00	0.00	0.005	0					0.02
86.917	0.00	0.00	0.005	0					0.01
87.000	0.00	0.00	0.005	0					0.01
87.083	0.00	0.00	0.005	0					0.01
87.167	0.00	0.00	0.005	0					0.01
87.250	0.00	0.00	0.005	0					0.01
87.333	0.00	0.00	0.005	0					0.01
87.417	0.00	0.00	0.005	0					0.01
87.500	0.00	0.00	0.005	0					0.01
87.583	0.00	0.00	0.005	0					0.01
87.667	0.00	0.00	0.005	0					0.01
87.750	0.00	0.00	0.005	0					0.01
87.833	0.00	0.00	0.005	0					0.01
87.917	0.00	0.00	0.005	0					0.01
88.000	0.00	0.00	0.005	0					0.01
88.083	0.00	0.00	0.005	0					0.01
88.167	0.00	0.00	0.005	0					0.01
88.250	0.00	0.00	0.005	0					0.01
88.333	0.00	0.00	0.005	0					0.01
88.417	0.00	0.00	0.005	0					0.01
88.500	0.00	0.00	0.005	0					0.01
88.583	0.00	0.00	0.005	0					0.01
88.667	0.00	0.00	0.005	0					0.01
88.750	0.00	0.00	0.005	0					0.01
88.833	0.00	0.00	0.005	0					0.01
88.917	0.00	0.00	0.005	0					0.01
89.000	0.00	0.00	0.005	0					0.01
89.083	0.00	0.00	0.005	0					0.01
89.167	0.00	0.00	0.005	0					0.01
89.250	0.00	0.00	0.005	0					0.01
89.333	0.00	0.00	0.005	0					0.01
89.417	0.00	0.00	0.004	0					0.01
89.500	0.00	0.00	0.004	0					0.01
89.583	0.00	0.00	0.004	0					0.01
89.667	0.00	0.00	0.004	0					0.01
89.750	0.00	0.00	0.004	0					0.01
89.833	0.00	0.00	0.004	0					0.01
89.917	0.00	0.00	0.004	0					0.01
90.000	0.00	0.00	0.004	0					0.01
90.083	0.00	0.00	0.004	0					0.01

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

90.167	0.00	0.00	0.004	0					0.01
90.250	0.00	0.00	0.004	0					0.01
90.333	0.00	0.00	0.004	0					0.01
90.417	0.00	0.00	0.004	0					0.01
90.500	0.00	0.00	0.004	0					0.01
90.583	0.00	0.00	0.004	0					0.01
90.667	0.00	0.00	0.004	0					0.01
90.750	0.00	0.00	0.004	0					0.01
90.833	0.00	0.00	0.004	0					0.01
90.917	0.00	0.00	0.004	0					0.01
91.000	0.00	0.00	0.004	0					0.01
91.083	0.00	0.00	0.004	0					0.01
91.167	0.00	0.00	0.004	0					0.01
91.250	0.00	0.00	0.004	0					0.01
91.333	0.00	0.00	0.004	0					0.01
91.417	0.00	0.00	0.004	0					0.01
91.500	0.00	0.00	0.004	0					0.01
91.583	0.00	0.00	0.004	0					0.01
91.667	0.00	0.00	0.004	0					0.01
91.750	0.00	0.00	0.004	0					0.01
91.833	0.00	0.00	0.004	0					0.01
91.917	0.00	0.00	0.004	0					0.01
92.000	0.00	0.00	0.004	0					0.01
92.083	0.00	0.00	0.004	0					0.01
92.167	0.00	0.00	0.004	0					0.01
92.250	0.00	0.00	0.004	0					0.01
92.333	0.00	0.00	0.004	0					0.01
92.417	0.00	0.00	0.004	0					0.01
92.500	0.00	0.00	0.004	0					0.01
92.583	0.00	0.00	0.004	0					0.01
92.667	0.00	0.00	0.004	0					0.01
92.750	0.00	0.00	0.004	0					0.01
92.833	0.00	0.00	0.003	0					0.01
92.917	0.00	0.00	0.003	0					0.01
93.000	0.00	0.00	0.003	0					0.01
93.083	0.00	0.00	0.003	0					0.01
93.167	0.00	0.00	0.003	0					0.01
93.250	0.00	0.00	0.003	0					0.01
93.333	0.00	0.00	0.003	0					0.01
93.417	0.00	0.00	0.003	0					0.01
93.500	0.00	0.00	0.003	0					0.01
93.583	0.00	0.00	0.003	0					0.01
93.667	0.00	0.00	0.003	0					0.01
93.750	0.00	0.00	0.003	0					0.01
93.833	0.00	0.00	0.003	0					0.01
93.917	0.00	0.00	0.003	0					0.01
94.000	0.00	0.00	0.003	0					0.01
94.083	0.00	0.00	0.003	0					0.01
94.167	0.00	0.00	0.003	0					0.01
94.250	0.00	0.00	0.003	0					0.01
94.333	0.00	0.00	0.003	0					0.01
94.417	0.00	0.00	0.003	0					0.01
94.500	0.00	0.00	0.003	0					0.01
94.583	0.00	0.00	0.003	0					0.01
94.667	0.00	0.00	0.003	0					0.01
94.750	0.00	0.00	0.003	0					0.01
94.833	0.00	0.00	0.003	0					0.01
94.917	0.00	0.00	0.003	0					0.01
95.000	0.00	0.00	0.003	0					0.01
95.083	0.00	0.00	0.003	0					0.01
95.167	0.00	0.00	0.003	0					0.01
95.250	0.00	0.00	0.003	0					0.01
95.333	0.00	0.00	0.003	0					0.01
95.417	0.00	0.00	0.003	0					0.01
95.500	0.00	0.00	0.003	0					0.01
95.583	0.00	0.00	0.003	0					0.01
95.667	0.00	0.00	0.003	0					0.01
95.750	0.00	0.00	0.003	0					0.01
95.833	0.00	0.00	0.003	0					0.01
95.917	0.00	0.00	0.003	0					0.01
96.000	0.00	0.00	0.003	0					0.01
96.083	0.00	0.00	0.003	0					0.01

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

96.167	0.00	0.00	0.003	0					0.01
96.250	0.00	0.00	0.003	0					0.01
96.333	0.00	0.00	0.003	0					0.01
96.417	0.00	0.00	0.003	0					0.01
96.500	0.00	0.00	0.003	0					0.01
96.583	0.00	0.00	0.003	0					0.01
96.667	0.00	0.00	0.003	0					0.01
96.750	0.00	0.00	0.003	0					0.01
96.833	0.00	0.00	0.003	0					0.01
96.917	0.00	0.00	0.003	0					0.01
97.000	0.00	0.00	0.003	0					0.01
97.083	0.00	0.00	0.003	0					0.01
97.167	0.00	0.00	0.003	0					0.01
97.250	0.00	0.00	0.003	0					0.01
97.333	0.00	0.00	0.003	0					0.01
97.417	0.00	0.00	0.002	0					0.01
97.500	0.00	0.00	0.002	0					0.01
97.583	0.00	0.00	0.002	0					0.01
97.667	0.00	0.00	0.002	0					0.01
97.750	0.00	0.00	0.002	0					0.01
97.833	0.00	0.00	0.002	0					0.01
97.917	0.00	0.00	0.002	0					0.01
98.000	0.00	0.00	0.002	0					0.01
98.083	0.00	0.00	0.002	0					0.01
98.167	0.00	0.00	0.002	0					0.01
98.250	0.00	0.00	0.002	0					0.01
98.333	0.00	0.00	0.002	0					0.01
98.417	0.00	0.00	0.002	0					0.01
98.500	0.00	0.00	0.002	0					0.01
98.583	0.00	0.00	0.002	0					0.01
98.667	0.00	0.00	0.002	0					0.01
98.750	0.00	0.00	0.002	0					0.01
98.833	0.00	0.00	0.002	0					0.01
98.917	0.00	0.00	0.002	0					0.01
99.000	0.00	0.00	0.002	0					0.01
99.083	0.00	0.00	0.002	0					0.01
99.167	0.00	0.00	0.002	0					0.01
99.250	0.00	0.00	0.002	0					0.01
99.333	0.00	0.00	0.002	0					0.01
99.417	0.00	0.00	0.002	0					0.01
99.500	0.00	0.00	0.002	0					0.01
99.583	0.00	0.00	0.002	0					0.01
99.667	0.00	0.00	0.002	0					0.01
99.750	0.00	0.00	0.002	0					0.01
99.833	0.00	0.00	0.002	0					0.01
99.917	0.00	0.00	0.002	0					0.01
100.000	0.00	0.00	0.002	0					0.01
100.083	0.00	0.00	0.002	0					0.01
100.167	0.00	0.00	0.002	0					0.01
100.250	0.00	0.00	0.002	0					0.01
100.333	0.00	0.00	0.002	0					0.01
100.417	0.00	0.00	0.002	0					0.01
100.500	0.00	0.00	0.002	0					0.01
100.583	0.00	0.00	0.002	0					0.01
100.667	0.00	0.00	0.002	0					0.01
100.750	0.00	0.00	0.002	0					0.01
100.833	0.00	0.00	0.002	0					0.01
100.917	0.00	0.00	0.002	0					0.01
101.000	0.00	0.00	0.002	0					0.01
101.083	0.00	0.00	0.002	0					0.01
101.167	0.00	0.00	0.002	0					0.01
101.250	0.00	0.00	0.002	0					0.01
101.333	0.00	0.00	0.002	0					0.01
101.417	0.00	0.00	0.002	0					0.01
101.500	0.00	0.00	0.002	0					0.01
101.583	0.00	0.00	0.002	0					0.01
101.667	0.00	0.00	0.002	0					0.01
101.750	0.00	0.00	0.002	0					0.01
101.833	0.00	0.00	0.002	0					0.00
101.917	0.00	0.00	0.002	0					0.00
102.000	0.00	0.00	0.002	0					0.00
102.083	0.00	0.00	0.002	0					0.00

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

102.167	0.00	0.00	0.002	0					0.00
102.250	0.00	0.00	0.002	0					0.00
102.333	0.00	0.00	0.002	0					0.00
102.417	0.00	0.00	0.002	0					0.00
102.500	0.00	0.00	0.002	0					0.00
102.583	0.00	0.00	0.002	0					0.00
102.667	0.00	0.00	0.002	0					0.00
102.750	0.00	0.00	0.002	0					0.00
102.833	0.00	0.00	0.002	0					0.00
102.917	0.00	0.00	0.002	0					0.00
103.000	0.00	0.00	0.002	0					0.00
103.083	0.00	0.00	0.002	0					0.00
103.167	0.00	0.00	0.002	0					0.00
103.250	0.00	0.00	0.002	0					0.00
103.333	0.00	0.00	0.002	0					0.00
103.417	0.00	0.00	0.002	0					0.00
103.500	0.00	0.00	0.002	0					0.00
103.583	0.00	0.00	0.002	0					0.00
103.667	0.00	0.00	0.002	0					0.00
103.750	0.00	0.00	0.002	0					0.00
103.833	0.00	0.00	0.002	0					0.00
103.917	0.00	0.00	0.002	0					0.00
104.000	0.00	0.00	0.002	0					0.00
104.083	0.00	0.00	0.002	0					0.00
104.167	0.00	0.00	0.002	0					0.00
104.250	0.00	0.00	0.002	0					0.00
104.333	0.00	0.00	0.001	0					0.00
104.417	0.00	0.00	0.001	0					0.00
104.500	0.00	0.00	0.001	0					0.00
104.583	0.00	0.00	0.001	0					0.00
104.667	0.00	0.00	0.001	0					0.00
104.750	0.00	0.00	0.001	0					0.00
104.833	0.00	0.00	0.001	0					0.00
104.917	0.00	0.00	0.001	0					0.00
105.000	0.00	0.00	0.001	0					0.00
105.083	0.00	0.00	0.001	0					0.00
105.167	0.00	0.00	0.001	0					0.00
105.250	0.00	0.00	0.001	0					0.00
105.333	0.00	0.00	0.001	0					0.00
105.417	0.00	0.00	0.001	0					0.00
105.500	0.00	0.00	0.001	0					0.00
105.583	0.00	0.00	0.001	0					0.00
105.667	0.00	0.00	0.001	0					0.00
105.750	0.00	0.00	0.001	0					0.00
105.833	0.00	0.00	0.001	0					0.00
105.917	0.00	0.00	0.001	0					0.00
106.000	0.00	0.00	0.001	0					0.00
106.083	0.00	0.00	0.001	0					0.00
106.167	0.00	0.00	0.001	0					0.00
106.250	0.00	0.00	0.001	0					0.00
106.333	0.00	0.00	0.001	0					0.00
106.417	0.00	0.00	0.001	0					0.00
106.500	0.00	0.00	0.001	0					0.00
106.583	0.00	0.00	0.001	0					0.00
106.667	0.00	0.00	0.001	0					0.00
106.750	0.00	0.00	0.001	0					0.00
106.833	0.00	0.00	0.001	0					0.00
106.917	0.00	0.00	0.001	0					0.00
107.000	0.00	0.00	0.001	0					0.00
107.083	0.00	0.00	0.001	0					0.00
107.167	0.00	0.00	0.001	0					0.00
107.250	0.00	0.00	0.001	0					0.00
107.333	0.00	0.00	0.001	0					0.00
107.417	0.00	0.00	0.001	0					0.00
107.500	0.00	0.00	0.001	0					0.00
107.583	0.00	0.00	0.001	0					0.00
107.667	0.00	0.00	0.001	0					0.00
107.750	0.00	0.00	0.001	0					0.00
107.833	0.00	0.00	0.001	0					0.00
107.917	0.00	0.00	0.001	0					0.00
108.000	0.00	0.00	0.001	0					0.00
108.083	0.00	0.00	0.001	0					0.00

Glen Ivy Senior Living

ATTACHMENT D – Detention Basin Routing

108.167	0.00	0.00	0.001	0					0.00
108.250	0.00	0.00	0.001	0					0.00

Remaining water in basin = 0.00 (Ac.Ft)

```

*****HYDROGRAPH DATA*****
      Number of intervals = 1299
      Time interval = 5.0 (Min.)
      Maximum/Peak flow rate = 0.650 (CFS)
      Total volume = 1.388 (Ac.Ft)
      Status of hydrographs being held in storage
      Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
      Peak (CFS) 0.000 0.000 0.000 0.000 0.000
      Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000
*****

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Glen Ivy Senior Living

ATTACHMENT D – Detention Basin Routing

FLOOD HYDROGRAPH ROUTING PROGRAM
 Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2005
 Study date: 08/18/20

 Glen Ivy Senior Living
 Inflow Hydrograph Calculations
 Detention Basin A
 10-year 24-hour storm

Program License Serial Number 4029

 ***** HYDROGRAPH INFORMATION *****
 From study/file name: sh10pr2410.rte
 *****HYDROGRAPH DATA*****
 Number of intervals = 291
 Time interval = 5.0 (Min.)
 Maximum/Peak flow rate = 4.261 (CFS)
 Total volume = 2.472 (Ac.Ft)
 Status of hydrographs being held in storage
 Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
 Peak (CFS) 0.000 0.000 0.000 0.000 0.000
 Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
 Process from Point/Station 10.000 to Point/Station 11.000
 **** RETARDING BASIN ROUTING ****

 User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 291
 Hydrograph time unit = 5.000 (Min.)
 Initial depth in storage basin = 0.00 (Ft.)

Initial basin depth = 0.00 (Ft.)
 Initial basin storage = 0.00 (Ac.Ft)
 Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.360	0.320	0.359	0.361
2.000	0.810	0.460	0.808	0.812
3.000	1.310	0.680	1.308	1.312
4.000	1.860	0.880	1.857	1.863
5.000	2.470	6.320	2.448	2.492
6.000	3.140	16.140	3.084	3.196

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	Depth (Ft.)
0.083	0.11	0.00	0.000	0.00

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

0.167	0.21	0.00	0.001	OI					0.00
0.250	0.23	0.00	0.003	OI					0.01
0.333	0.29	0.00	0.005	O I					0.01
0.417	0.34	0.01	0.007	O I					0.02
0.500	0.35	0.01	0.009	O I					0.03
0.583	0.36	0.01	0.012	O I					0.03
0.667	0.36	0.01	0.014	O I					0.04
0.750	0.36	0.01	0.016	O I					0.05
0.833	0.41	0.02	0.019	O I					0.05
0.917	0.46	0.02	0.022	O I					0.06
1.000	0.47	0.02	0.025	O I					0.07
1.083	0.42	0.02	0.028	O I					0.08
1.167	0.37	0.03	0.030	O I					0.08
1.250	0.36	0.03	0.033	O I					0.09
1.333	0.36	0.03	0.035	O I					0.10
1.417	0.36	0.03	0.037	O I					0.10
1.500	0.36	0.03	0.039	O I					0.11
1.583	0.36	0.04	0.041	O I					0.12
1.667	0.36	0.04	0.044	O I					0.12
1.750	0.36	0.04	0.046	O I					0.13
1.833	0.41	0.04	0.048	O I					0.13
1.917	0.46	0.05	0.051	O I					0.14
2.000	0.47	0.05	0.054	O I					0.15
2.083	0.48	0.05	0.057	O I					0.16
2.167	0.48	0.05	0.060	O I					0.17
2.250	0.48	0.06	0.063	O I					0.17
2.333	0.48	0.06	0.065	O I					0.18
2.417	0.48	0.06	0.068	O I					0.19
2.500	0.48	0.06	0.071	O I					0.20
2.583	0.53	0.07	0.074	O I					0.21
2.667	0.58	0.07	0.078	O I					0.22
2.750	0.59	0.07	0.081	O I					0.23
2.833	0.59	0.08	0.085	O I					0.24
2.917	0.59	0.08	0.088	O I					0.24
3.000	0.59	0.08	0.092	O I					0.25
3.083	0.59	0.08	0.095	O I					0.26
3.167	0.59	0.09	0.099	O I					0.27
3.250	0.59	0.09	0.102	O I					0.28
3.333	0.59	0.09	0.106	O I					0.29
3.417	0.59	0.10	0.109	O I					0.30
3.500	0.59	0.10	0.113	O I					0.31
3.583	0.59	0.10	0.116	O I					0.32
3.667	0.59	0.11	0.119	O I					0.33
3.750	0.59	0.11	0.123	O I					0.34
3.833	0.65	0.11	0.126	O I					0.35
3.917	0.70	0.12	0.130	O I					0.36
4.000	0.71	0.12	0.134	O I					0.37
4.083	0.71	0.12	0.138	O I					0.38
4.167	0.71	0.13	0.142	O I					0.39
4.250	0.71	0.13	0.146	O I					0.41
4.333	0.77	0.13	0.150	O I					0.42
4.417	0.82	0.14	0.155	O I					0.43
4.500	0.83	0.14	0.160	O I					0.44
4.583	0.83	0.15	0.164	O I					0.46
4.667	0.83	0.15	0.169	O I					0.47
4.750	0.83	0.15	0.174	O I					0.48
4.833	0.89	0.16	0.179	O I					0.50
4.917	0.94	0.16	0.184	O I					0.51
5.000	0.95	0.17	0.189	O I					0.53
5.083	0.84	0.17	0.194	O I					0.54
5.167	0.74	0.18	0.198	O I					0.55
5.250	0.72	0.18	0.202	O I					0.56
5.333	0.77	0.18	0.206	O I					0.57
5.417	0.82	0.19	0.210	O I					0.58
5.500	0.83	0.19	0.215	O I					0.60
5.583	0.89	0.19	0.219	O I					0.61
5.667	0.94	0.20	0.224	O I					0.62
5.750	0.95	0.20	0.229	O I					0.64
5.833	0.95	0.21	0.234	O I					0.65
5.917	0.95	0.21	0.239	O I					0.66
6.000	0.95	0.22	0.244	O I					0.68
6.083	1.00	0.22	0.250	O I					0.69

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

6.167	1.05	0.23	0.255	O	I					0.71
6.250	1.06	0.23	0.261	O	I					0.72
6.333	1.07	0.24	0.267	O	I					0.74
6.417	1.07	0.24	0.272	O	I					0.76
6.500	1.07	0.25	0.278	O	I					0.77
6.583	1.12	0.25	0.284	O	I					0.79
6.667	1.17	0.26	0.290	O	I					0.81
6.750	1.18	0.26	0.296	O	I					0.82
6.833	1.19	0.27	0.303	O	I					0.84
6.917	1.19	0.27	0.309	O	I					0.86
7.000	1.19	0.28	0.315	O	I					0.88
7.083	1.19	0.29	0.321	O	I					0.89
7.167	1.19	0.29	0.328	O	I					0.91
7.250	1.19	0.30	0.334	O	I					0.93
7.333	1.24	0.30	0.340	O	I					0.94
7.417	1.29	0.31	0.347	O	I					0.96
7.500	1.30	0.31	0.354	O	I					0.98
7.583	1.36	0.32	0.361	O	I					1.00
7.667	1.41	0.32	0.368	O	I					1.02
7.750	1.42	0.32	0.375	O	I					1.03
7.833	1.48	0.33	0.383	O	I					1.05
7.917	1.53	0.33	0.391	O	I					1.07
8.000	1.54	0.33	0.400	O	I					1.09
8.083	1.65	0.34	0.408	O	I					1.11
8.167	1.75	0.34	0.418	O	I					1.13
8.250	1.77	0.34	0.427	O	I					1.15
8.333	1.78	0.34	0.437	O	I					1.17
8.417	1.78	0.35	0.447	O	I					1.19
8.500	1.78	0.35	0.457	O	I					1.22
8.583	1.84	0.35	0.467	O	I					1.24
8.667	1.89	0.36	0.478	O	I					1.26
8.750	1.90	0.36	0.488	O	I					1.28
8.833	1.95	0.36	0.499	O	I					1.31
8.917	2.01	0.37	0.510	O	I					1.33
9.000	2.02	0.37	0.521	O	I					1.36
9.083	2.13	0.37	0.533	O	I					1.38
9.167	2.23	0.38	0.545	O	I					1.41
9.250	2.25	0.38	0.558	O	I					1.44
9.333	2.31	0.39	0.571	O	I					1.47
9.417	2.36	0.39	0.585	O	I					1.50
9.500	2.37	0.39	0.598	O	I					1.53
9.583	2.43	0.40	0.612	O	I					1.56
9.667	2.48	0.40	0.626	O	I					1.59
9.750	2.49	0.41	0.641	O	I					1.62
9.833	2.55	0.41	0.655	O	I					1.66
9.917	2.60	0.42	0.670	O	I					1.69
10.000	2.61	0.42	0.685	O	I					1.72
10.083	2.24	0.43	0.699	O	I					1.75
10.167	1.89	0.43	0.710	O	I					1.78
10.250	1.82	0.43	0.720	O	I					1.80
10.333	1.78	0.43	0.729	O	I					1.82
10.417	1.78	0.44	0.739	O	I					1.84
10.500	1.78	0.44	0.748	O	I					1.86
10.583	2.05	0.44	0.758	O	I					1.88
10.667	2.30	0.45	0.770	O	I					1.91
10.750	2.35	0.45	0.783	O	I					1.94
10.833	2.38	0.46	0.796	O	I					1.97
10.917	2.38	0.46	0.809	O	I					2.00
11.000	2.38	0.47	0.822	O	I					2.02
11.083	2.32	0.47	0.835	O	I					2.05
11.167	2.27	0.48	0.848	O	I					2.08
11.250	2.26	0.48	0.860	O	I					2.10
11.333	2.26	0.49	0.873	O	I					2.13
11.417	2.26	0.49	0.885	O	I					2.15
11.500	2.26	0.50	0.897	O	I					2.17
11.583	2.15	0.50	0.909	O	I					2.20
11.667	2.05	0.51	0.920	O	I					2.22
11.750	2.03	0.51	0.930	O	I					2.24
11.833	2.07	0.52	0.941	O	I					2.26
11.917	2.12	0.52	0.952	O	I					2.28
12.000	2.13	0.53	0.963	O	I					2.31
12.083	2.51	0.53	0.975	O	I					2.33

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

12.167	2.87	0.54	0.990		O				I				2.36
12.250	2.94	0.55	1.006		O				I				2.39
12.333	3.02	0.55	1.023		O				I				2.43
12.417	3.08	0.56	1.040		O				I				2.46
12.500	3.09	0.57	1.057		O				I				2.49
12.583	3.21	0.58	1.075		O				I				2.53
12.667	3.32	0.58	1.094		O				I				2.57
12.750	3.35	0.59	1.112		O				I				2.60
12.833	3.43	0.60	1.132		O				I				2.64
12.917	3.49	0.61	1.151		O				I				2.68
13.000	3.51	0.62	1.171		O				I				2.72
13.083	3.84	0.63	1.192		O						I		2.76
13.167	4.16	0.64	1.215		O								2.81
13.250	4.22	0.65	1.240		O								2.86
13.333	4.25	0.66	1.265		O								2.91
13.417	4.26	0.67	1.289		O								2.96
13.500	4.26	0.68	1.314		O								3.01
13.583	3.58	0.69	1.336		O						I		3.05
13.667	2.92	0.70	1.354		O				I				3.08
13.750	2.79	0.70	1.369		O				I				3.11
13.833	2.73	0.71	1.383		O				I				3.13
13.917	2.73	0.71	1.397		O				I				3.16
14.000	2.73	0.72	1.411		O				I				3.18
14.083	2.97	0.72	1.425		O						I		3.21
14.167	3.21	0.73	1.442		O						I		3.24
14.250	3.26	0.73	1.459		O						I		3.27
14.333	3.22	0.74	1.476		O						I		3.30
14.417	3.16	0.75	1.493		O						I		3.33
14.500	3.15	0.75	1.510		O						I		3.36
14.583	3.14	0.76	1.526		O						I		3.39
14.667	3.15	0.76	1.542		O						I		3.42
14.750	3.15	0.77	1.559		O						I		3.45
14.833	3.09	0.78	1.575		O						I		3.48
14.917	3.03	0.78	1.591		O						I		3.51
15.000	3.02	0.79	1.606		O						I		3.54
15.083	2.95	0.79	1.621		O						I		3.57
15.167	2.89	0.80	1.636		O						I		3.59
15.250	2.89	0.80	1.650		O						I		3.62
15.333	2.82	0.81	1.664		O						I		3.64
15.417	2.76	0.81	1.678		O						I		3.67
15.500	2.75	0.82	1.691		O						I		3.69
15.583	2.53	0.82	1.704		O						I		3.72
15.667	2.32	0.83	1.715		O						I		3.74
15.750	2.28	0.83	1.725		O						I		3.75
15.833	2.26	0.83	1.735		O						I		3.77
15.917	2.26	0.84	1.745		O						I		3.79
16.000	2.26	0.84	1.754		O						I		3.81
16.083	1.46	0.84	1.761		O						I		3.82
16.167	0.70	0.84	1.763		O		I						3.82
16.250	0.55	0.84	1.762		O		I						3.82
16.333	0.48	0.84	1.759		O		I						3.82
16.417	0.48	0.84	1.757		O		I						3.81
16.500	0.48	0.84	1.754		O		I						3.81
16.583	0.42	0.84	1.752		O		I						3.80
16.667	0.37	0.84	1.748		O		I						3.80
16.750	0.36	0.84	1.745		O		I						3.79
16.833	0.36	0.84	1.742		O		I						3.79
16.917	0.36	0.84	1.739		O		I						3.78
17.000	0.36	0.83	1.735		O		I						3.77
17.083	0.46	0.83	1.732		O		I						3.77
17.167	0.56	0.83	1.730		O		I						3.76
17.250	0.58	0.83	1.728		O		I						3.76
17.333	0.59	0.83	1.727		O		I						3.76
17.417	0.59	0.83	1.725		O		I						3.75
17.500	0.59	0.83	1.723		O		I						3.75
17.583	0.59	0.83	1.722		O		I						3.75
17.667	0.59	0.83	1.720		O		I						3.75
17.750	0.59	0.83	1.719		O		I						3.74
17.833	0.54	0.83	1.717		O		I						3.74
17.917	0.49	0.83	1.715		O		I						3.74
18.000	0.48	0.83	1.712		O		I						3.73
18.083	0.48	0.83	1.710		O		I						3.73

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

18.167	0.48	0.82	1.708		I	O						3.72
18.250	0.48	0.82	1.705		I	O						3.72
18.333	0.48	0.82	1.703		I	O						3.71
18.417	0.48	0.82	1.700		I	O						3.71
18.500	0.48	0.82	1.698		I	O						3.71
18.583	0.42	0.82	1.695		I	O						3.70
18.667	0.37	0.82	1.692		I	O						3.70
18.750	0.36	0.82	1.689		I	O						3.69
18.833	0.30	0.82	1.686		I	O						3.68
18.917	0.25	0.82	1.682		I	O						3.68
19.000	0.24	0.81	1.678		I	O						3.67
19.083	0.29	0.81	1.675		I	O						3.66
19.167	0.34	0.81	1.671		I	O						3.66
19.250	0.35	0.81	1.668		I	O						3.65
19.333	0.41	0.81	1.665		I	O						3.65
19.417	0.46	0.81	1.663		I	O						3.64
19.500	0.47	0.81	1.660		I	O						3.64
19.583	0.42	0.81	1.658		I	O						3.63
19.667	0.37	0.81	1.655		I	O						3.63
19.750	0.36	0.80	1.652		I	O						3.62
19.833	0.30	0.80	1.649		I	O						3.62
19.917	0.25	0.80	1.645		I	O						3.61
20.000	0.24	0.80	1.641		I	O						3.60
20.083	0.29	0.80	1.637		I	O						3.60
20.167	0.34	0.80	1.634		I	O						3.59
20.250	0.35	0.80	1.631		I	O						3.58
20.333	0.36	0.80	1.628		I	O						3.58
20.417	0.36	0.79	1.625		I	O						3.57
20.500	0.36	0.79	1.622		I	O						3.57
20.583	0.36	0.79	1.619		I	O						3.56
20.667	0.36	0.79	1.616		I	O						3.56
20.750	0.36	0.79	1.613		I	O						3.55
20.833	0.30	0.79	1.610		I	O						3.55
20.917	0.25	0.79	1.606		I	O						3.54
21.000	0.24	0.79	1.603		I	O						3.53
21.083	0.29	0.79	1.599		I	O						3.53
21.167	0.34	0.78	1.596		I	O						3.52
21.250	0.35	0.78	1.593		I	O						3.51
21.333	0.30	0.78	1.590		I	O						3.51
21.417	0.25	0.78	1.586		I	O						3.50
21.500	0.24	0.78	1.583		I	O						3.50
21.583	0.29	0.78	1.579		I	O						3.49
21.667	0.34	0.78	1.576		I	O						3.48
21.750	0.35	0.78	1.573		I	O						3.48
21.833	0.30	0.77	1.570		I	O						3.47
21.917	0.25	0.77	1.566		I	O						3.47
22.000	0.24	0.77	1.563		I	O						3.46
22.083	0.29	0.77	1.559		I	O						3.45
22.167	0.34	0.77	1.556		I	O						3.45
22.250	0.35	0.77	1.553		I	O						3.44
22.333	0.30	0.77	1.550		I	O						3.44
22.417	0.25	0.77	1.547		I	O						3.43
22.500	0.24	0.76	1.543		I	O						3.42
22.583	0.24	0.76	1.540		I	O						3.42
22.667	0.24	0.76	1.536		I	O						3.41
22.750	0.24	0.76	1.532		I	O						3.40
22.833	0.24	0.76	1.529		I	O						3.40
22.917	0.24	0.76	1.525		I	O						3.39
23.000	0.24	0.76	1.522		I	O						3.38
23.083	0.24	0.76	1.518		I	O						3.38
23.167	0.24	0.75	1.515		I	O						3.37
23.250	0.24	0.75	1.511		I	O						3.37
23.333	0.24	0.75	1.507		I	O						3.36
23.417	0.24	0.75	1.504		I	O						3.35
23.500	0.24	0.75	1.500		I	O						3.35
23.583	0.24	0.75	1.497		I	O						3.34
23.667	0.24	0.75	1.493		I	O						3.33
23.750	0.24	0.75	1.490		I	O						3.33
23.833	0.24	0.74	1.486		I	O						3.32
23.917	0.24	0.74	1.483		I	O						3.31
24.000	0.24	0.74	1.479		I	O						3.31
24.083	0.13	0.74	1.476		I	O						3.30

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

24.167	0.03	0.74	1.471	I	O						3.29
24.250	0.01	0.74	1.466	I	O						3.28
24.333	0.00	0.73	1.461	I	O						3.27
24.417	0.00	0.73	1.456	I	O						3.27
24.500	0.00	0.73	1.451	I	O						3.26
24.583	0.00	0.73	1.446	I	O						3.25
24.667	0.00	0.73	1.441	I	O						3.24
24.750	0.00	0.73	1.436	I	O						3.23
24.833	0.00	0.72	1.431	I	O						3.22
24.917	0.00	0.72	1.426	I	O						3.21
25.000	0.00	0.72	1.421	I	O						3.20
25.083	0.00	0.72	1.416	I	O						3.19
25.167	0.00	0.72	1.411	I	O						3.18
25.250	0.00	0.71	1.406	I	O						3.17
25.333	0.00	0.71	1.401	I	O						3.17
25.417	0.00	0.71	1.396	I	O						3.16
25.500	0.00	0.71	1.391	I	O						3.15
25.583	0.00	0.71	1.387	I	O						3.14
25.667	0.00	0.71	1.382	I	O						3.13
25.750	0.00	0.70	1.377	I	O						3.12
25.833	0.00	0.70	1.372	I	O						3.11
25.917	0.00	0.70	1.367	I	O						3.10
26.000	0.00	0.70	1.362	I	O						3.10
26.083	0.00	0.70	1.358	I	O						3.09
26.167	0.00	0.70	1.353	I	O						3.08
26.250	0.00	0.69	1.348	I	O						3.07
26.333	0.00	0.69	1.343	I	O						3.06
26.417	0.00	0.69	1.338	I	O						3.05
26.500	0.00	0.69	1.334	I	O						3.04
26.583	0.00	0.69	1.329	I	O						3.03
26.667	0.00	0.69	1.324	I	O						3.03
26.750	0.00	0.68	1.319	I	O						3.02
26.833	0.00	0.68	1.315	I	O						3.01
26.917	0.00	0.68	1.310	I	O						3.00
27.000	0.00	0.68	1.305	I	O						2.99
27.083	0.00	0.68	1.301	I	O						2.98
27.167	0.00	0.67	1.296	I	O						2.97
27.250	0.00	0.67	1.291	I	O						2.96
27.333	0.00	0.67	1.287	I	O						2.95
27.417	0.00	0.67	1.282	I	O						2.94
27.500	0.00	0.67	1.278	I	O						2.94
27.583	0.00	0.66	1.273	I	O						2.93
27.667	0.00	0.66	1.268	I	O						2.92
27.750	0.00	0.66	1.264	I	O						2.91
27.833	0.00	0.66	1.259	I	O						2.90
27.917	0.00	0.66	1.255	I	O						2.89
28.000	0.00	0.65	1.250	I	O						2.88
28.083	0.00	0.65	1.246	I	O						2.87
28.167	0.00	0.65	1.241	I	O						2.86
28.250	0.00	0.65	1.237	I	O						2.85
28.333	0.00	0.65	1.232	I	O						2.84
28.417	0.00	0.64	1.228	I	O						2.84
28.500	0.00	0.64	1.224	I	O						2.83
28.583	0.00	0.64	1.219	I	O						2.82
28.667	0.00	0.64	1.215	I	O						2.81
28.750	0.00	0.64	1.210	I	O						2.80
28.833	0.00	0.63	1.206	I	O						2.79
28.917	0.00	0.63	1.202	I	O						2.78
29.000	0.00	0.63	1.197	I	O						2.77
29.083	0.00	0.63	1.193	I	O						2.77
29.167	0.00	0.63	1.189	I	O						2.76
29.250	0.00	0.62	1.184	I	O						2.75
29.333	0.00	0.62	1.180	I	O						2.74
29.417	0.00	0.62	1.176	I	O						2.73
29.500	0.00	0.62	1.172	I	O						2.72
29.583	0.00	0.62	1.167	I	O						2.71
29.667	0.00	0.62	1.163	I	O						2.71
29.750	0.00	0.61	1.159	I	O						2.70
29.833	0.00	0.61	1.155	I	O						2.69
29.917	0.00	0.61	1.150	I	O						2.68
30.000	0.00	0.61	1.146	I	O						2.67
30.083	0.00	0.61	1.142	I	O						2.66

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

30.167	0.00	0.60	1.138	I	O					2.66
30.250	0.00	0.60	1.134	I	O					2.65
30.333	0.00	0.60	1.130	I	O					2.64
30.417	0.00	0.60	1.125	I	O					2.63
30.500	0.00	0.60	1.121	I	O					2.62
30.583	0.00	0.60	1.117	I	O					2.61
30.667	0.00	0.59	1.113	I	O					2.61
30.750	0.00	0.59	1.109	I	O					2.60
30.833	0.00	0.59	1.105	I	O					2.59
30.917	0.00	0.59	1.101	I	O					2.58
31.000	0.00	0.59	1.097	I	O					2.57
31.083	0.00	0.58	1.093	I	O					2.57
31.167	0.00	0.58	1.089	I	O					2.56
31.250	0.00	0.58	1.085	I	O					2.55
31.333	0.00	0.58	1.081	I	O					2.54
31.417	0.00	0.58	1.077	I	O					2.53
31.500	0.00	0.58	1.073	I	O					2.53
31.583	0.00	0.57	1.069	I	O					2.52
31.667	0.00	0.57	1.065	I	O					2.51
31.750	0.00	0.57	1.061	I	O					2.50
31.833	0.00	0.57	1.057	I	O					2.49
31.917	0.00	0.57	1.053	I	O					2.49
32.000	0.00	0.57	1.049	I	O					2.48
32.083	0.00	0.56	1.045	I	O					2.47
32.167	0.00	0.56	1.041	I	O					2.46
32.250	0.00	0.56	1.038	I	O					2.46
32.333	0.00	0.56	1.034	I	O					2.45
32.417	0.00	0.56	1.030	I	O					2.44
32.500	0.00	0.56	1.026	I	O					2.43
32.583	0.00	0.55	1.022	I	O					2.42
32.667	0.00	0.55	1.018	I	O					2.42
32.750	0.00	0.55	1.015	I	O					2.41
32.833	0.00	0.55	1.011	I	O					2.40
32.917	0.00	0.55	1.007	I	O					2.39
33.000	0.00	0.55	1.003	I	O					2.39
33.083	0.00	0.54	1.000	I	O					2.38
33.167	0.00	0.54	0.996	I	O					2.37
33.250	0.00	0.54	0.992	I	O					2.36
33.333	0.00	0.54	0.988	I	O					2.36
33.417	0.00	0.54	0.985	I	O					2.35
33.500	0.00	0.54	0.981	I	O					2.34
33.583	0.00	0.53	0.977	I	O					2.33
33.667	0.00	0.53	0.974	I	O					2.33
33.750	0.00	0.53	0.970	I	O					2.32
33.833	0.00	0.53	0.966	I	O					2.31
33.917	0.00	0.53	0.963	I	O					2.31
34.000	0.00	0.53	0.959	I	O					2.30
34.083	0.00	0.52	0.956	I	O					2.29
34.167	0.00	0.52	0.952	I	O					2.28
34.250	0.00	0.52	0.948	I	O					2.28
34.333	0.00	0.52	0.945	I	O					2.27
34.417	0.00	0.52	0.941	I	O					2.26
34.500	0.00	0.52	0.938	I	O					2.26
34.583	0.00	0.51	0.934	I	O					2.25
34.667	0.00	0.51	0.931	I	O					2.24
34.750	0.00	0.51	0.927	I	O					2.23
34.833	0.00	0.51	0.923	I	O					2.23
34.917	0.00	0.51	0.920	I	O					2.22
35.000	0.00	0.51	0.916	I	O					2.21
35.083	0.00	0.51	0.913	I	O					2.21
35.167	0.00	0.50	0.910	I	O					2.20
35.250	0.00	0.50	0.906	I	O					2.19
35.333	0.00	0.50	0.903	I	O					2.19
35.417	0.00	0.50	0.899	I	O					2.18
35.500	0.00	0.50	0.896	I	O					2.17
35.583	0.00	0.50	0.892	I	O					2.16
35.667	0.00	0.49	0.889	I	O					2.16
35.750	0.00	0.49	0.885	I	O					2.15
35.833	0.00	0.49	0.882	I	O					2.14
35.917	0.00	0.49	0.879	I	O					2.14
36.000	0.00	0.49	0.875	I	O					2.13
36.083	0.00	0.49	0.872	I	O					2.12

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

36.167	0.00	0.49	0.869	I	O					2.12
36.250	0.00	0.48	0.865	I	O					2.11
36.333	0.00	0.48	0.862	I	O					2.10
36.417	0.00	0.48	0.859	I	O					2.10
36.500	0.00	0.48	0.855	I	O					2.09
36.583	0.00	0.48	0.852	I	O					2.08
36.667	0.00	0.48	0.849	I	O					2.08
36.750	0.00	0.48	0.845	I	O					2.07
36.833	0.00	0.47	0.842	I	O					2.06
36.917	0.00	0.47	0.839	I	O					2.06
37.000	0.00	0.47	0.836	I	O					2.05
37.083	0.00	0.47	0.832	I	O					2.04
37.167	0.00	0.47	0.829	I	O					2.04
37.250	0.00	0.47	0.826	I	O					2.03
37.333	0.00	0.47	0.823	I	O					2.03
37.417	0.00	0.46	0.820	I	O					2.02
37.500	0.00	0.46	0.816	I	O					2.01
37.583	0.00	0.46	0.813	I	O					2.01
37.667	0.00	0.46	0.810	I	O					2.00
37.750	0.00	0.46	0.807	I	O					1.99
37.833	0.00	0.46	0.804	I	O					1.99
37.917	0.00	0.46	0.801	I	O					1.98
38.000	0.00	0.46	0.797	I	O					1.97
38.083	0.00	0.46	0.794	I	O					1.97
38.167	0.00	0.45	0.791	I	O					1.96
38.250	0.00	0.45	0.788	I	O					1.95
38.333	0.00	0.45	0.785	I	O					1.94
38.417	0.00	0.45	0.782	I	O					1.94
38.500	0.00	0.45	0.779	I	O					1.93
38.583	0.00	0.45	0.776	I	O					1.92
38.667	0.00	0.45	0.772	I	O					1.92
38.750	0.00	0.45	0.769	I	O					1.91
38.833	0.00	0.45	0.766	I	O					1.90
38.917	0.00	0.45	0.763	I	O					1.90
39.000	0.00	0.44	0.760	I	O					1.89
39.083	0.00	0.44	0.757	I	O					1.88
39.167	0.00	0.44	0.754	I	O					1.88
39.250	0.00	0.44	0.751	I	O					1.87
39.333	0.00	0.44	0.748	I	O					1.86
39.417	0.00	0.44	0.745	I	O					1.86
39.500	0.00	0.44	0.742	I	O					1.85
39.583	0.00	0.44	0.739	I	O					1.84
39.667	0.00	0.44	0.736	I	O					1.84
39.750	0.00	0.44	0.733	I	O					1.83
39.833	0.00	0.44	0.730	I	O					1.82
39.917	0.00	0.43	0.727	I	O					1.82
40.000	0.00	0.43	0.724	I	O					1.81
40.083	0.00	0.43	0.721	I	O					1.80
40.167	0.00	0.43	0.718	I	O					1.80
40.250	0.00	0.43	0.715	I	O					1.79
40.333	0.00	0.43	0.712	I	O					1.78
40.417	0.00	0.43	0.709	I	O					1.78
40.500	0.00	0.43	0.706	I	O					1.77
40.583	0.00	0.43	0.703	I	O					1.76
40.667	0.00	0.43	0.700	I	O					1.76
40.750	0.00	0.42	0.697	I	O					1.75
40.833	0.00	0.42	0.694	I	O					1.74
40.917	0.00	0.42	0.691	I	O					1.74
41.000	0.00	0.42	0.689	I	O					1.73
41.083	0.00	0.42	0.686	I	O					1.72
41.167	0.00	0.42	0.683	I	O					1.72
41.250	0.00	0.42	0.680	I	O					1.71
41.333	0.00	0.42	0.677	I	O					1.70
41.417	0.00	0.42	0.674	I	O					1.70
41.500	0.00	0.42	0.671	I	O					1.69
41.583	0.00	0.42	0.668	I	O					1.69
41.667	0.00	0.42	0.666	I	O					1.68
41.750	0.00	0.41	0.663	I	O					1.67
41.833	0.00	0.41	0.660	I	O					1.67
41.917	0.00	0.41	0.657	I	O					1.66
42.000	0.00	0.41	0.654	I	O					1.65
42.083	0.00	0.41	0.651	I	O					1.65

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

42.167	0.00	0.41	0.648	I	O					1.64
42.250	0.00	0.41	0.646	I	O					1.63
42.333	0.00	0.41	0.643	I	O					1.63
42.417	0.00	0.41	0.640	I	O					1.62
42.500	0.00	0.41	0.637	I	O					1.62
42.583	0.00	0.41	0.634	I	O					1.61
42.667	0.00	0.40	0.632	I	O					1.60
42.750	0.00	0.40	0.629	I	O					1.60
42.833	0.00	0.40	0.626	I	O					1.59
42.917	0.00	0.40	0.623	I	O					1.59
43.000	0.00	0.40	0.621	I	O					1.58
43.083	0.00	0.40	0.618	I	O					1.57
43.167	0.00	0.40	0.615	I	O					1.57
43.250	0.00	0.40	0.612	I	O					1.56
43.333	0.00	0.40	0.610	I	O					1.55
43.417	0.00	0.40	0.607	I	O					1.55
43.500	0.00	0.40	0.604	I	O					1.54
43.583	0.00	0.40	0.601	I	O					1.54
43.667	0.00	0.39	0.599	I	O					1.53
43.750	0.00	0.39	0.596	I	O					1.52
43.833	0.00	0.39	0.593	I	O					1.52
43.917	0.00	0.39	0.591	I	O					1.51
44.000	0.00	0.39	0.588	I	O					1.51
44.083	0.00	0.39	0.585	I	O					1.50
44.167	0.00	0.39	0.582	I	O					1.49
44.250	0.00	0.39	0.580	I	O					1.49
44.333	0.00	0.39	0.577	I	O					1.48
44.417	0.00	0.39	0.574	I	O					1.48
44.500	0.00	0.39	0.572	I	O					1.47
44.583	0.00	0.39	0.569	I	O					1.46
44.667	0.00	0.38	0.566	I	O					1.46
44.750	0.00	0.38	0.564	I	O					1.45
44.833	0.00	0.38	0.561	I	O					1.45
44.917	0.00	0.38	0.559	I	O					1.44
45.000	0.00	0.38	0.556	I	O					1.44
45.083	0.00	0.38	0.553	I	O					1.43
45.167	0.00	0.38	0.551	I	O					1.42
45.250	0.00	0.38	0.548	I	O					1.42
45.333	0.00	0.38	0.545	I	O					1.41
45.417	0.00	0.38	0.543	I	O					1.41
45.500	0.00	0.38	0.540	I	O					1.40
45.583	0.00	0.38	0.538	I	O					1.39
45.667	0.00	0.37	0.535	I	O					1.39
45.750	0.00	0.37	0.533	I	O					1.38
45.833	0.00	0.37	0.530	I	O					1.38
45.917	0.00	0.37	0.527	I	O					1.37
46.000	0.00	0.37	0.525	I	O					1.37
46.083	0.00	0.37	0.522	I	O					1.36
46.167	0.00	0.37	0.520	I	O					1.35
46.250	0.00	0.37	0.517	I	O					1.35
46.333	0.00	0.37	0.515	I	O					1.34
46.417	0.00	0.37	0.512	I	O					1.34
46.500	0.00	0.37	0.510	I	O					1.33
46.583	0.00	0.37	0.507	I	O					1.33
46.667	0.00	0.36	0.505	I	O					1.32
46.750	0.00	0.36	0.502	I	O					1.32
46.833	0.00	0.36	0.500	I	O					1.31
46.917	0.00	0.36	0.497	I	O					1.30
47.000	0.00	0.36	0.495	I	O					1.30
47.083	0.00	0.36	0.492	I	O					1.29
47.167	0.00	0.36	0.490	I	O					1.29
47.250	0.00	0.36	0.487	I	O					1.28
47.333	0.00	0.36	0.485	I	O					1.28
47.417	0.00	0.36	0.482	I	O					1.27
47.500	0.00	0.36	0.480	I	O					1.27
47.583	0.00	0.36	0.477	I	O					1.26
47.667	0.00	0.36	0.475	I	O					1.26
47.750	0.00	0.35	0.472	I	O					1.25
47.833	0.00	0.35	0.470	I	O					1.24
47.917	0.00	0.35	0.467	I	O					1.24
48.000	0.00	0.35	0.465	I	O					1.23
48.083	0.00	0.35	0.463	I	O					1.23

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

48.167	0.00	0.35	0.460	I O					1.22
48.250	0.00	0.35	0.458	I O					1.22
48.333	0.00	0.35	0.455	I O					1.21
48.417	0.00	0.35	0.453	I O					1.21
48.500	0.00	0.35	0.451	I O					1.20
48.583	0.00	0.35	0.448	I O					1.20
48.667	0.00	0.35	0.446	I O					1.19
48.750	0.00	0.35	0.443	I O					1.19
48.833	0.00	0.35	0.441	I O					1.18
48.917	0.00	0.34	0.439	I O					1.17
49.000	0.00	0.34	0.436	I O					1.17
49.083	0.00	0.34	0.434	I O					1.16
49.167	0.00	0.34	0.432	I O					1.16
49.250	0.00	0.34	0.429	I O					1.15
49.333	0.00	0.34	0.427	I O					1.15
49.417	0.00	0.34	0.424	I O					1.14
49.500	0.00	0.34	0.422	I O					1.14
49.583	0.00	0.34	0.420	I O					1.13
49.667	0.00	0.34	0.417	I O					1.13
49.750	0.00	0.34	0.415	I O					1.12
49.833	0.00	0.34	0.413	I O					1.12
49.917	0.00	0.34	0.411	I O					1.11
50.000	0.00	0.33	0.408	I O					1.11
50.083	0.00	0.33	0.406	I O					1.10
50.167	0.00	0.33	0.404	I O					1.10
50.250	0.00	0.33	0.401	I O					1.09
50.333	0.00	0.33	0.399	I O					1.09
50.417	0.00	0.33	0.397	I O					1.08
50.500	0.00	0.33	0.394	I O					1.08
50.583	0.00	0.33	0.392	I O					1.07
50.667	0.00	0.33	0.390	I O					1.07
50.750	0.00	0.33	0.388	I O					1.06
50.833	0.00	0.33	0.385	I O					1.06
50.917	0.00	0.33	0.383	I O					1.05
51.000	0.00	0.33	0.381	I O					1.05
51.083	0.00	0.33	0.379	I O					1.04
51.167	0.00	0.33	0.376	I O					1.04
51.250	0.00	0.32	0.374	I O					1.03
51.333	0.00	0.32	0.372	I O					1.03
51.417	0.00	0.32	0.370	I O					1.02
51.500	0.00	0.32	0.367	I O					1.02
51.583	0.00	0.32	0.365	I O					1.01
51.667	0.00	0.32	0.363	I O					1.01
51.750	0.00	0.32	0.361	I O					1.00
51.833	0.00	0.32	0.359	I O					1.00
51.917	0.00	0.32	0.356	I O					0.99
52.000	0.00	0.31	0.354	I O					0.98
52.083	0.00	0.31	0.352	I O					0.98
52.167	0.00	0.31	0.350	I O					0.97
52.250	0.00	0.31	0.348	I O					0.97
52.333	0.00	0.31	0.346	I O					0.96
52.417	0.00	0.31	0.344	I O					0.95
52.500	0.00	0.30	0.341	I O					0.95
52.583	0.00	0.30	0.339	I O					0.94
52.667	0.00	0.30	0.337	I O					0.94
52.750	0.00	0.30	0.335	I O					0.93
52.833	0.00	0.30	0.333	I O					0.93
52.917	0.00	0.29	0.331	I O					0.92
53.000	0.00	0.29	0.329	I O					0.91
53.083	0.00	0.29	0.327	I O					0.91
53.167	0.00	0.29	0.325	I O					0.90
53.250	0.00	0.29	0.323	I O					0.90
53.333	0.00	0.29	0.321	I O					0.89
53.417	0.00	0.28	0.319	I O					0.89
53.500	0.00	0.28	0.317	I O					0.88
53.583	0.00	0.28	0.315	I O					0.88
53.667	0.00	0.28	0.313	I O					0.87
53.750	0.00	0.28	0.312	I O					0.87
53.833	0.00	0.28	0.310	I O					0.86
53.917	0.00	0.27	0.308	I O					0.85
54.000	0.00	0.27	0.306	I O					0.85
54.083	0.00	0.27	0.304	I O					0.84

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

54.167	0.00	0.27	0.302	I O					0.84
54.250	0.00	0.27	0.300	I O					0.83
54.333	0.00	0.27	0.298	IO					0.83
54.417	0.00	0.26	0.297	IO					0.82
54.500	0.00	0.26	0.295	IO					0.82
54.583	0.00	0.26	0.293	IO					0.81
54.667	0.00	0.26	0.291	IO					0.81
54.750	0.00	0.26	0.289	IO					0.80
54.833	0.00	0.26	0.288	IO					0.80
54.917	0.00	0.25	0.286	IO					0.79
55.000	0.00	0.25	0.284	IO					0.79
55.083	0.00	0.25	0.282	IO					0.78
55.167	0.00	0.25	0.281	IO					0.78
55.250	0.00	0.25	0.279	IO					0.78
55.333	0.00	0.25	0.277	IO					0.77
55.417	0.00	0.25	0.276	IO					0.77
55.500	0.00	0.24	0.274	IO					0.76
55.583	0.00	0.24	0.272	IO					0.76
55.667	0.00	0.24	0.271	IO					0.75
55.750	0.00	0.24	0.269	IO					0.75
55.833	0.00	0.24	0.267	IO					0.74
55.917	0.00	0.24	0.266	IO					0.74
56.000	0.00	0.23	0.264	IO					0.73
56.083	0.00	0.23	0.262	IO					0.73
56.167	0.00	0.23	0.261	IO					0.72
56.250	0.00	0.23	0.259	IO					0.72
56.333	0.00	0.23	0.258	IO					0.72
56.417	0.00	0.23	0.256	IO					0.71
56.500	0.00	0.23	0.255	IO					0.71
56.583	0.00	0.22	0.253	IO					0.70
56.667	0.00	0.22	0.251	IO					0.70
56.750	0.00	0.22	0.250	IO					0.69
56.833	0.00	0.22	0.248	IO					0.69
56.917	0.00	0.22	0.247	IO					0.69
57.000	0.00	0.22	0.245	IO					0.68
57.083	0.00	0.22	0.244	IO					0.68
57.167	0.00	0.22	0.242	IO					0.67
57.250	0.00	0.21	0.241	IO					0.67
57.333	0.00	0.21	0.239	IO					0.67
57.417	0.00	0.21	0.238	IO					0.66
57.500	0.00	0.21	0.237	IO					0.66
57.583	0.00	0.21	0.235	IO					0.65
57.667	0.00	0.21	0.234	IO					0.65
57.750	0.00	0.21	0.232	IO					0.65
57.833	0.00	0.21	0.231	IO					0.64
57.917	0.00	0.20	0.229	IO					0.64
58.000	0.00	0.20	0.228	IO					0.63
58.083	0.00	0.20	0.227	IO					0.63
58.167	0.00	0.20	0.225	IO					0.63
58.250	0.00	0.20	0.224	IO					0.62
58.333	0.00	0.20	0.222	IO					0.62
58.417	0.00	0.20	0.221	IO					0.61
58.500	0.00	0.20	0.220	IO					0.61
58.583	0.00	0.19	0.218	IO					0.61
58.667	0.00	0.19	0.217	IO					0.60
58.750	0.00	0.19	0.216	IO					0.60
58.833	0.00	0.19	0.214	IO					0.60
58.917	0.00	0.19	0.213	IO					0.59
59.000	0.00	0.19	0.212	IO					0.59
59.083	0.00	0.19	0.211	IO					0.58
59.167	0.00	0.19	0.209	IO					0.58
59.250	0.00	0.18	0.208	IO					0.58
59.333	0.00	0.18	0.207	IO					0.57
59.417	0.00	0.18	0.205	IO					0.57
59.500	0.00	0.18	0.204	IO					0.57
59.583	0.00	0.18	0.203	IO					0.56
59.667	0.00	0.18	0.202	IO					0.56
59.750	0.00	0.18	0.200	IO					0.56
59.833	0.00	0.18	0.199	IO					0.55
59.917	0.00	0.18	0.198	IO					0.55
60.000	0.00	0.17	0.197	IO					0.55
60.083	0.00	0.17	0.196	IO					0.54

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

60.167	0.00	0.17	0.194	IO					0.54
60.250	0.00	0.17	0.193	IO					0.54
60.333	0.00	0.17	0.192	IO					0.53
60.417	0.00	0.17	0.191	IO					0.53
60.500	0.00	0.17	0.190	IO					0.53
60.583	0.00	0.17	0.189	IO					0.52
60.667	0.00	0.17	0.187	IO					0.52
60.750	0.00	0.17	0.186	IO					0.52
60.833	0.00	0.16	0.185	IO					0.51
60.917	0.00	0.16	0.184	IO					0.51
61.000	0.00	0.16	0.183	IO					0.51
61.083	0.00	0.16	0.182	IO					0.50
61.167	0.00	0.16	0.181	IO					0.50
61.250	0.00	0.16	0.180	IO					0.50
61.333	0.00	0.16	0.178	IO					0.50
61.417	0.00	0.16	0.177	IO					0.49
61.500	0.00	0.16	0.176	IO					0.49
61.583	0.00	0.16	0.175	IO					0.49
61.667	0.00	0.15	0.174	IO					0.48
61.750	0.00	0.15	0.173	IO					0.48
61.833	0.00	0.15	0.172	IO					0.48
61.917	0.00	0.15	0.171	IO					0.47
62.000	0.00	0.15	0.170	IO					0.47
62.083	0.00	0.15	0.169	IO					0.47
62.167	0.00	0.15	0.168	IO					0.47
62.250	0.00	0.15	0.167	IO					0.46
62.333	0.00	0.15	0.166	IO					0.46
62.417	0.00	0.15	0.165	IO					0.46
62.500	0.00	0.15	0.164	IO					0.46
62.583	0.00	0.14	0.163	IO					0.45
62.667	0.00	0.14	0.162	IO					0.45
62.750	0.00	0.14	0.161	IO					0.45
62.833	0.00	0.14	0.160	IO					0.44
62.917	0.00	0.14	0.159	IO					0.44
63.000	0.00	0.14	0.158	IO					0.44
63.083	0.00	0.14	0.157	IO					0.44
63.167	0.00	0.14	0.156	IO					0.43
63.250	0.00	0.14	0.155	IO					0.43
63.333	0.00	0.14	0.154	IO					0.43
63.417	0.00	0.14	0.153	IO					0.43
63.500	0.00	0.14	0.152	IO					0.42
63.583	0.00	0.13	0.151	IO					0.42
63.667	0.00	0.13	0.150	IO					0.42
63.750	0.00	0.13	0.149	O					0.42
63.833	0.00	0.13	0.149	O					0.41
63.917	0.00	0.13	0.148	O					0.41
64.000	0.00	0.13	0.147	O					0.41
64.083	0.00	0.13	0.146	O					0.41
64.167	0.00	0.13	0.145	O					0.40
64.250	0.00	0.13	0.144	O					0.40
64.333	0.00	0.13	0.143	O					0.40
64.417	0.00	0.13	0.142	O					0.40
64.500	0.00	0.13	0.141	O					0.39
64.583	0.00	0.12	0.141	O					0.39
64.667	0.00	0.12	0.140	O					0.39
64.750	0.00	0.12	0.139	O					0.39
64.833	0.00	0.12	0.138	O					0.38
64.917	0.00	0.12	0.137	O					0.38
65.000	0.00	0.12	0.136	O					0.38
65.083	0.00	0.12	0.135	O					0.38
65.167	0.00	0.12	0.135	O					0.37
65.250	0.00	0.12	0.134	O					0.37
65.333	0.00	0.12	0.133	O					0.37
65.417	0.00	0.12	0.132	O					0.37
65.500	0.00	0.12	0.131	O					0.37
65.583	0.00	0.12	0.131	O					0.36
65.667	0.00	0.12	0.130	O					0.36
65.750	0.00	0.11	0.129	O					0.36
65.833	0.00	0.11	0.128	O					0.36
65.917	0.00	0.11	0.127	O					0.35
66.000	0.00	0.11	0.127	O					0.35
66.083	0.00	0.11	0.126	O					0.35

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

66.167	0.00	0.11	0.125	0					0.35
66.250	0.00	0.11	0.124	0					0.35
66.333	0.00	0.11	0.124	0					0.34
66.417	0.00	0.11	0.123	0					0.34
66.500	0.00	0.11	0.122	0					0.34
66.583	0.00	0.11	0.121	0					0.34
66.667	0.00	0.11	0.121	0					0.34
66.750	0.00	0.11	0.120	0					0.33
66.833	0.00	0.11	0.119	0					0.33
66.917	0.00	0.11	0.118	0					0.33
67.000	0.00	0.10	0.118	0					0.33
67.083	0.00	0.10	0.117	0					0.32
67.167	0.00	0.10	0.116	0					0.32
67.250	0.00	0.10	0.116	0					0.32
67.333	0.00	0.10	0.115	0					0.32
67.417	0.00	0.10	0.114	0					0.32
67.500	0.00	0.10	0.113	0					0.32
67.583	0.00	0.10	0.113	0					0.31
67.667	0.00	0.10	0.112	0					0.31
67.750	0.00	0.10	0.111	0					0.31
67.833	0.00	0.10	0.111	0					0.31
67.917	0.00	0.10	0.110	0					0.31
68.000	0.00	0.10	0.109	0					0.30
68.083	0.00	0.10	0.109	0					0.30
68.167	0.00	0.10	0.108	0					0.30
68.250	0.00	0.10	0.107	0					0.30
68.333	0.00	0.09	0.107	0					0.30
68.417	0.00	0.09	0.106	0					0.29
68.500	0.00	0.09	0.105	0					0.29
68.583	0.00	0.09	0.105	0					0.29
68.667	0.00	0.09	0.104	0					0.29
68.750	0.00	0.09	0.103	0					0.29
68.833	0.00	0.09	0.103	0					0.29
68.917	0.00	0.09	0.102	0					0.28
69.000	0.00	0.09	0.102	0					0.28
69.083	0.00	0.09	0.101	0					0.28
69.167	0.00	0.09	0.100	0					0.28
69.250	0.00	0.09	0.100	0					0.28
69.333	0.00	0.09	0.099	0					0.28
69.417	0.00	0.09	0.099	0					0.27
69.500	0.00	0.09	0.098	0					0.27
69.583	0.00	0.09	0.097	0					0.27
69.667	0.00	0.09	0.097	0					0.27
69.750	0.00	0.09	0.096	0					0.27
69.833	0.00	0.08	0.096	0					0.27
69.917	0.00	0.08	0.095	0					0.26
70.000	0.00	0.08	0.094	0					0.26
70.083	0.00	0.08	0.094	0					0.26
70.167	0.00	0.08	0.093	0					0.26
70.250	0.00	0.08	0.093	0					0.26
70.333	0.00	0.08	0.092	0					0.26
70.417	0.00	0.08	0.092	0					0.25
70.500	0.00	0.08	0.091	0					0.25
70.583	0.00	0.08	0.090	0					0.25
70.667	0.00	0.08	0.090	0					0.25
70.750	0.00	0.08	0.089	0					0.25
70.833	0.00	0.08	0.089	0					0.25
70.917	0.00	0.08	0.088	0					0.25
71.000	0.00	0.08	0.088	0					0.24
71.083	0.00	0.08	0.087	0					0.24
71.167	0.00	0.08	0.087	0					0.24
71.250	0.00	0.08	0.086	0					0.24
71.333	0.00	0.08	0.086	0					0.24
71.417	0.00	0.08	0.085	0					0.24
71.500	0.00	0.08	0.085	0					0.23
71.583	0.00	0.07	0.084	0					0.23
71.667	0.00	0.07	0.084	0					0.23
71.750	0.00	0.07	0.083	0					0.23
71.833	0.00	0.07	0.083	0					0.23
71.917	0.00	0.07	0.082	0					0.23
72.000	0.00	0.07	0.082	0					0.23
72.083	0.00	0.07	0.081	0					0.23

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

72.167	0.00	0.07	0.081	0					0.22
72.250	0.00	0.07	0.080	0					0.22
72.333	0.00	0.07	0.080	0					0.22
72.417	0.00	0.07	0.079	0					0.22
72.500	0.00	0.07	0.079	0					0.22
72.583	0.00	0.07	0.078	0					0.22
72.667	0.00	0.07	0.078	0					0.22
72.750	0.00	0.07	0.077	0					0.21
72.833	0.00	0.07	0.077	0					0.21
72.917	0.00	0.07	0.076	0					0.21
73.000	0.00	0.07	0.076	0					0.21
73.083	0.00	0.07	0.075	0					0.21
73.167	0.00	0.07	0.075	0					0.21
73.250	0.00	0.07	0.074	0					0.21
73.333	0.00	0.07	0.074	0					0.21
73.417	0.00	0.07	0.073	0					0.20
73.500	0.00	0.06	0.073	0					0.20
73.583	0.00	0.06	0.073	0					0.20
73.667	0.00	0.06	0.072	0					0.20
73.750	0.00	0.06	0.072	0					0.20
73.833	0.00	0.06	0.071	0					0.20
73.917	0.00	0.06	0.071	0					0.20
74.000	0.00	0.06	0.070	0					0.20
74.083	0.00	0.06	0.070	0					0.19
74.167	0.00	0.06	0.070	0					0.19
74.250	0.00	0.06	0.069	0					0.19
74.333	0.00	0.06	0.069	0					0.19
74.417	0.00	0.06	0.068	0					0.19
74.500	0.00	0.06	0.068	0					0.19
74.583	0.00	0.06	0.067	0					0.19
74.667	0.00	0.06	0.067	0					0.19
74.750	0.00	0.06	0.067	0					0.19
74.833	0.00	0.06	0.066	0					0.18
74.917	0.00	0.06	0.066	0					0.18
75.000	0.00	0.06	0.065	0					0.18
75.083	0.00	0.06	0.065	0					0.18
75.167	0.00	0.06	0.065	0					0.18
75.250	0.00	0.06	0.064	0					0.18
75.333	0.00	0.06	0.064	0					0.18
75.417	0.00	0.06	0.063	0					0.18
75.500	0.00	0.06	0.063	0					0.18
75.583	0.00	0.06	0.063	0					0.17
75.667	0.00	0.06	0.062	0					0.17
75.750	0.00	0.06	0.062	0					0.17
75.833	0.00	0.05	0.062	0					0.17
75.917	0.00	0.05	0.061	0					0.17
76.000	0.00	0.05	0.061	0					0.17
76.083	0.00	0.05	0.060	0					0.17
76.167	0.00	0.05	0.060	0					0.17
76.250	0.00	0.05	0.060	0					0.17
76.333	0.00	0.05	0.059	0					0.16
76.417	0.00	0.05	0.059	0					0.16
76.500	0.00	0.05	0.059	0					0.16
76.583	0.00	0.05	0.058	0					0.16
76.667	0.00	0.05	0.058	0					0.16
76.750	0.00	0.05	0.058	0					0.16
76.833	0.00	0.05	0.057	0					0.16
76.917	0.00	0.05	0.057	0					0.16
77.000	0.00	0.05	0.056	0					0.16
77.083	0.00	0.05	0.056	0					0.16
77.167	0.00	0.05	0.056	0					0.15
77.250	0.00	0.05	0.055	0					0.15
77.333	0.00	0.05	0.055	0					0.15
77.417	0.00	0.05	0.055	0					0.15
77.500	0.00	0.05	0.054	0					0.15
77.583	0.00	0.05	0.054	0					0.15
77.667	0.00	0.05	0.054	0					0.15
77.750	0.00	0.05	0.053	0					0.15
77.833	0.00	0.05	0.053	0					0.15
77.917	0.00	0.05	0.053	0					0.15
78.000	0.00	0.05	0.052	0					0.15
78.083	0.00	0.05	0.052	0					0.14

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

78.167	0.00	0.05	0.052	0					0.14
78.250	0.00	0.05	0.052	0					0.14
78.333	0.00	0.05	0.051	0					0.14
78.417	0.00	0.05	0.051	0					0.14
78.500	0.00	0.04	0.051	0					0.14
78.583	0.00	0.04	0.050	0					0.14
78.667	0.00	0.04	0.050	0					0.14
78.750	0.00	0.04	0.050	0					0.14
78.833	0.00	0.04	0.049	0					0.14
78.917	0.00	0.04	0.049	0					0.14
79.000	0.00	0.04	0.049	0					0.14
79.083	0.00	0.04	0.048	0					0.13
79.167	0.00	0.04	0.048	0					0.13
79.250	0.00	0.04	0.048	0					0.13
79.333	0.00	0.04	0.048	0					0.13
79.417	0.00	0.04	0.047	0					0.13
79.500	0.00	0.04	0.047	0					0.13
79.583	0.00	0.04	0.047	0					0.13
79.667	0.00	0.04	0.046	0					0.13
79.750	0.00	0.04	0.046	0					0.13
79.833	0.00	0.04	0.046	0					0.13
79.917	0.00	0.04	0.046	0					0.13
80.000	0.00	0.04	0.045	0					0.13
80.083	0.00	0.04	0.045	0					0.13
80.167	0.00	0.04	0.045	0					0.12
80.250	0.00	0.04	0.044	0					0.12
80.333	0.00	0.04	0.044	0					0.12
80.417	0.00	0.04	0.044	0					0.12
80.500	0.00	0.04	0.044	0					0.12
80.583	0.00	0.04	0.043	0					0.12
80.667	0.00	0.04	0.043	0					0.12
80.750	0.00	0.04	0.043	0					0.12
80.833	0.00	0.04	0.043	0					0.12
80.917	0.00	0.04	0.042	0					0.12
81.000	0.00	0.04	0.042	0					0.12
81.083	0.00	0.04	0.042	0					0.12
81.167	0.00	0.04	0.042	0					0.12
81.250	0.00	0.04	0.041	0					0.11
81.333	0.00	0.04	0.041	0					0.11
81.417	0.00	0.04	0.041	0					0.11
81.500	0.00	0.04	0.041	0					0.11
81.583	0.00	0.04	0.040	0					0.11
81.667	0.00	0.04	0.040	0					0.11
81.750	0.00	0.04	0.040	0					0.11
81.833	0.00	0.04	0.040	0					0.11
81.917	0.00	0.03	0.039	0					0.11
82.000	0.00	0.03	0.039	0					0.11
82.083	0.00	0.03	0.039	0					0.11
82.167	0.00	0.03	0.039	0					0.11
82.250	0.00	0.03	0.038	0					0.11
82.333	0.00	0.03	0.038	0					0.11
82.417	0.00	0.03	0.038	0					0.11
82.500	0.00	0.03	0.038	0					0.10
82.583	0.00	0.03	0.037	0					0.10
82.667	0.00	0.03	0.037	0					0.10
82.750	0.00	0.03	0.037	0					0.10
82.833	0.00	0.03	0.037	0					0.10
82.917	0.00	0.03	0.037	0					0.10
83.000	0.00	0.03	0.036	0					0.10
83.083	0.00	0.03	0.036	0					0.10
83.167	0.00	0.03	0.036	0					0.10
83.250	0.00	0.03	0.036	0					0.10
83.333	0.00	0.03	0.035	0					0.10
83.417	0.00	0.03	0.035	0					0.10
83.500	0.00	0.03	0.035	0					0.10
83.583	0.00	0.03	0.035	0					0.10
83.667	0.00	0.03	0.035	0					0.10
83.750	0.00	0.03	0.034	0					0.10
83.833	0.00	0.03	0.034	0					0.09
83.917	0.00	0.03	0.034	0					0.09
84.000	0.00	0.03	0.034	0					0.09
84.083	0.00	0.03	0.034	0					0.09

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

84.167	0.00	0.03	0.033	0					0.09
84.250	0.00	0.03	0.033	0					0.09
84.333	0.00	0.03	0.033	0					0.09
84.417	0.00	0.03	0.033	0					0.09
84.500	0.00	0.03	0.033	0					0.09
84.583	0.00	0.03	0.032	0					0.09
84.667	0.00	0.03	0.032	0					0.09
84.750	0.00	0.03	0.032	0					0.09
84.833	0.00	0.03	0.032	0					0.09
84.917	0.00	0.03	0.032	0					0.09
85.000	0.00	0.03	0.031	0					0.09
85.083	0.00	0.03	0.031	0					0.09
85.167	0.00	0.03	0.031	0					0.09
85.250	0.00	0.03	0.031	0					0.09
85.333	0.00	0.03	0.031	0					0.09
85.417	0.00	0.03	0.030	0					0.08
85.500	0.00	0.03	0.030	0					0.08
85.583	0.00	0.03	0.030	0					0.08
85.667	0.00	0.03	0.030	0					0.08
85.750	0.00	0.03	0.030	0					0.08
85.833	0.00	0.03	0.030	0					0.08
85.917	0.00	0.03	0.029	0					0.08
86.000	0.00	0.03	0.029	0					0.08
86.083	0.00	0.03	0.029	0					0.08
86.167	0.00	0.03	0.029	0					0.08
86.250	0.00	0.03	0.029	0					0.08
86.333	0.00	0.03	0.028	0					0.08
86.417	0.00	0.03	0.028	0					0.08
86.500	0.00	0.02	0.028	0					0.08
86.583	0.00	0.02	0.028	0					0.08
86.667	0.00	0.02	0.028	0					0.08
86.750	0.00	0.02	0.028	0					0.08
86.833	0.00	0.02	0.027	0					0.08
86.917	0.00	0.02	0.027	0					0.08
87.000	0.00	0.02	0.027	0					0.08
87.083	0.00	0.02	0.027	0					0.07
87.167	0.00	0.02	0.027	0					0.07
87.250	0.00	0.02	0.027	0					0.07
87.333	0.00	0.02	0.026	0					0.07
87.417	0.00	0.02	0.026	0					0.07
87.500	0.00	0.02	0.026	0					0.07
87.583	0.00	0.02	0.026	0					0.07
87.667	0.00	0.02	0.026	0					0.07
87.750	0.00	0.02	0.026	0					0.07
87.833	0.00	0.02	0.025	0					0.07
87.917	0.00	0.02	0.025	0					0.07
88.000	0.00	0.02	0.025	0					0.07
88.083	0.00	0.02	0.025	0					0.07
88.167	0.00	0.02	0.025	0					0.07
88.250	0.00	0.02	0.025	0					0.07
88.333	0.00	0.02	0.025	0					0.07
88.417	0.00	0.02	0.024	0					0.07
88.500	0.00	0.02	0.024	0					0.07
88.583	0.00	0.02	0.024	0					0.07
88.667	0.00	0.02	0.024	0					0.07
88.750	0.00	0.02	0.024	0					0.07
88.833	0.00	0.02	0.024	0					0.07
88.917	0.00	0.02	0.024	0					0.07
89.000	0.00	0.02	0.023	0					0.06
89.083	0.00	0.02	0.023	0					0.06
89.167	0.00	0.02	0.023	0					0.06
89.250	0.00	0.02	0.023	0					0.06
89.333	0.00	0.02	0.023	0					0.06
89.417	0.00	0.02	0.023	0					0.06
89.500	0.00	0.02	0.023	0					0.06
89.583	0.00	0.02	0.022	0					0.06
89.667	0.00	0.02	0.022	0					0.06
89.750	0.00	0.02	0.022	0					0.06
89.833	0.00	0.02	0.022	0					0.06
89.917	0.00	0.02	0.022	0					0.06
90.000	0.00	0.02	0.022	0					0.06
90.083	0.00	0.02	0.022	0					0.06

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

90.167	0.00	0.02	0.021	0					0.06
90.250	0.00	0.02	0.021	0					0.06
90.333	0.00	0.02	0.021	0					0.06
90.417	0.00	0.02	0.021	0					0.06
90.500	0.00	0.02	0.021	0					0.06
90.583	0.00	0.02	0.021	0					0.06
90.667	0.00	0.02	0.021	0					0.06
90.750	0.00	0.02	0.021	0					0.06
90.833	0.00	0.02	0.020	0					0.06
90.917	0.00	0.02	0.020	0					0.06
91.000	0.00	0.02	0.020	0					0.06
91.083	0.00	0.02	0.020	0					0.06
91.167	0.00	0.02	0.020	0					0.06
91.250	0.00	0.02	0.020	0					0.06
91.333	0.00	0.02	0.020	0					0.05
91.417	0.00	0.02	0.020	0					0.05
91.500	0.00	0.02	0.019	0					0.05
91.583	0.00	0.02	0.019	0					0.05
91.667	0.00	0.02	0.019	0					0.05
91.750	0.00	0.02	0.019	0					0.05
91.833	0.00	0.02	0.019	0					0.05
91.917	0.00	0.02	0.019	0					0.05
92.000	0.00	0.02	0.019	0					0.05
92.083	0.00	0.02	0.019	0					0.05
92.167	0.00	0.02	0.019	0					0.05
92.250	0.00	0.02	0.018	0					0.05
92.333	0.00	0.02	0.018	0					0.05
92.417	0.00	0.02	0.018	0					0.05
92.500	0.00	0.02	0.018	0					0.05
92.583	0.00	0.02	0.018	0					0.05
92.667	0.00	0.02	0.018	0					0.05
92.750	0.00	0.02	0.018	0					0.05
92.833	0.00	0.02	0.018	0					0.05
92.917	0.00	0.02	0.018	0					0.05
93.000	0.00	0.02	0.017	0					0.05
93.083	0.00	0.02	0.017	0					0.05
93.167	0.00	0.02	0.017	0					0.05
93.250	0.00	0.02	0.017	0					0.05
93.333	0.00	0.02	0.017	0					0.05
93.417	0.00	0.02	0.017	0					0.05
93.500	0.00	0.01	0.017	0					0.05
93.583	0.00	0.01	0.017	0					0.05
93.667	0.00	0.01	0.017	0					0.05
93.750	0.00	0.01	0.016	0					0.05
93.833	0.00	0.01	0.016	0					0.05
93.917	0.00	0.01	0.016	0					0.05
94.000	0.00	0.01	0.016	0					0.04
94.083	0.00	0.01	0.016	0					0.04
94.167	0.00	0.01	0.016	0					0.04
94.250	0.00	0.01	0.016	0					0.04
94.333	0.00	0.01	0.016	0					0.04
94.417	0.00	0.01	0.016	0					0.04
94.500	0.00	0.01	0.016	0					0.04
94.583	0.00	0.01	0.016	0					0.04
94.667	0.00	0.01	0.015	0					0.04
94.750	0.00	0.01	0.015	0					0.04
94.833	0.00	0.01	0.015	0					0.04
94.917	0.00	0.01	0.015	0					0.04
95.000	0.00	0.01	0.015	0					0.04
95.083	0.00	0.01	0.015	0					0.04
95.167	0.00	0.01	0.015	0					0.04
95.250	0.00	0.01	0.015	0					0.04
95.333	0.00	0.01	0.015	0					0.04
95.417	0.00	0.01	0.015	0					0.04
95.500	0.00	0.01	0.015	0					0.04
95.583	0.00	0.01	0.014	0					0.04
95.667	0.00	0.01	0.014	0					0.04
95.750	0.00	0.01	0.014	0					0.04
95.833	0.00	0.01	0.014	0					0.04
95.917	0.00	0.01	0.014	0					0.04
96.000	0.00	0.01	0.014	0					0.04
96.083	0.00	0.01	0.014	0					0.04

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

96.167	0.00	0.01	0.014	0					0.04
96.250	0.00	0.01	0.014	0					0.04
96.333	0.00	0.01	0.014	0					0.04
96.417	0.00	0.01	0.014	0					0.04
96.500	0.00	0.01	0.013	0					0.04
96.583	0.00	0.01	0.013	0					0.04
96.667	0.00	0.01	0.013	0					0.04
96.750	0.00	0.01	0.013	0					0.04
96.833	0.00	0.01	0.013	0					0.04
96.917	0.00	0.01	0.013	0					0.04
97.000	0.00	0.01	0.013	0					0.04
97.083	0.00	0.01	0.013	0					0.04
97.167	0.00	0.01	0.013	0					0.04
97.250	0.00	0.01	0.013	0					0.04
97.333	0.00	0.01	0.013	0					0.04
97.417	0.00	0.01	0.013	0					0.03
97.500	0.00	0.01	0.013	0					0.03
97.583	0.00	0.01	0.012	0					0.03
97.667	0.00	0.01	0.012	0					0.03
97.750	0.00	0.01	0.012	0					0.03
97.833	0.00	0.01	0.012	0					0.03
97.917	0.00	0.01	0.012	0					0.03
98.000	0.00	0.01	0.012	0					0.03
98.083	0.00	0.01	0.012	0					0.03
98.167	0.00	0.01	0.012	0					0.03
98.250	0.00	0.01	0.012	0					0.03
98.333	0.00	0.01	0.012	0					0.03
98.417	0.00	0.01	0.012	0					0.03
98.500	0.00	0.01	0.012	0					0.03
98.583	0.00	0.01	0.012	0					0.03
98.667	0.00	0.01	0.011	0					0.03
98.750	0.00	0.01	0.011	0					0.03
98.833	0.00	0.01	0.011	0					0.03
98.917	0.00	0.01	0.011	0					0.03
99.000	0.00	0.01	0.011	0					0.03
99.083	0.00	0.01	0.011	0					0.03
99.167	0.00	0.01	0.011	0					0.03
99.250	0.00	0.01	0.011	0					0.03
99.333	0.00	0.01	0.011	0					0.03
99.417	0.00	0.01	0.011	0					0.03
99.500	0.00	0.01	0.011	0					0.03
99.583	0.00	0.01	0.011	0					0.03
99.667	0.00	0.01	0.011	0					0.03
99.750	0.00	0.01	0.011	0					0.03
99.833	0.00	0.01	0.011	0					0.03
99.917	0.00	0.01	0.010	0					0.03
100.000	0.00	0.01	0.010	0					0.03
100.083	0.00	0.01	0.010	0					0.03
100.167	0.00	0.01	0.010	0					0.03
100.250	0.00	0.01	0.010	0					0.03
100.333	0.00	0.01	0.010	0					0.03
100.417	0.00	0.01	0.010	0					0.03
100.500	0.00	0.01	0.010	0					0.03
100.583	0.00	0.01	0.010	0					0.03
100.667	0.00	0.01	0.010	0					0.03
100.750	0.00	0.01	0.010	0					0.03
100.833	0.00	0.01	0.010	0					0.03
100.917	0.00	0.01	0.010	0					0.03
101.000	0.00	0.01	0.010	0					0.03
101.083	0.00	0.01	0.010	0					0.03
101.167	0.00	0.01	0.010	0					0.03
101.250	0.00	0.01	0.010	0					0.03
101.333	0.00	0.01	0.009	0					0.03
101.417	0.00	0.01	0.009	0					0.03
101.500	0.00	0.01	0.009	0					0.03
101.583	0.00	0.01	0.009	0					0.03
101.667	0.00	0.01	0.009	0					0.03
101.750	0.00	0.01	0.009	0					0.03
101.833	0.00	0.01	0.009	0					0.03
101.917	0.00	0.01	0.009	0					0.03
102.000	0.00	0.01	0.009	0					0.02
102.083	0.00	0.01	0.009	0					0.02

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

102.167	0.00	0.01	0.009	0					0.02
102.250	0.00	0.01	0.009	0					0.02
102.333	0.00	0.01	0.009	0					0.02
102.417	0.00	0.01	0.009	0					0.02
102.500	0.00	0.01	0.009	0					0.02
102.583	0.00	0.01	0.009	0					0.02
102.667	0.00	0.01	0.009	0					0.02
102.750	0.00	0.01	0.009	0					0.02
102.833	0.00	0.01	0.008	0					0.02
102.917	0.00	0.01	0.008	0					0.02
103.000	0.00	0.01	0.008	0					0.02
103.083	0.00	0.01	0.008	0					0.02
103.167	0.00	0.01	0.008	0					0.02
103.250	0.00	0.01	0.008	0					0.02
103.333	0.00	0.01	0.008	0					0.02
103.417	0.00	0.01	0.008	0					0.02
103.500	0.00	0.01	0.008	0					0.02
103.583	0.00	0.01	0.008	0					0.02
103.667	0.00	0.01	0.008	0					0.02
103.750	0.00	0.01	0.008	0					0.02
103.833	0.00	0.01	0.008	0					0.02
103.917	0.00	0.01	0.008	0					0.02
104.000	0.00	0.01	0.008	0					0.02
104.083	0.00	0.01	0.008	0					0.02
104.167	0.00	0.01	0.008	0					0.02
104.250	0.00	0.01	0.008	0					0.02
104.333	0.00	0.01	0.008	0					0.02
104.417	0.00	0.01	0.008	0					0.02
104.500	0.00	0.01	0.007	0					0.02
104.583	0.00	0.01	0.007	0					0.02
104.667	0.00	0.01	0.007	0					0.02
104.750	0.00	0.01	0.007	0					0.02
104.833	0.00	0.01	0.007	0					0.02
104.917	0.00	0.01	0.007	0					0.02
105.000	0.00	0.01	0.007	0					0.02
105.083	0.00	0.01	0.007	0					0.02
105.167	0.00	0.01	0.007	0					0.02
105.250	0.00	0.01	0.007	0					0.02
105.333	0.00	0.01	0.007	0					0.02
105.417	0.00	0.01	0.007	0					0.02
105.500	0.00	0.01	0.007	0					0.02
105.583	0.00	0.01	0.007	0					0.02
105.667	0.00	0.01	0.007	0					0.02
105.750	0.00	0.01	0.007	0					0.02
105.833	0.00	0.01	0.007	0					0.02
105.917	0.00	0.01	0.007	0					0.02
106.000	0.00	0.01	0.007	0					0.02
106.083	0.00	0.01	0.007	0					0.02
106.167	0.00	0.01	0.007	0					0.02
106.250	0.00	0.01	0.007	0					0.02
106.333	0.00	0.01	0.007	0					0.02
106.417	0.00	0.01	0.007	0					0.02
106.500	0.00	0.01	0.006	0					0.02
106.583	0.00	0.01	0.006	0					0.02
106.667	0.00	0.01	0.006	0					0.02
106.750	0.00	0.01	0.006	0					0.02
106.833	0.00	0.01	0.006	0					0.02
106.917	0.00	0.01	0.006	0					0.02
107.000	0.00	0.01	0.006	0					0.02
107.083	0.00	0.01	0.006	0					0.02
107.167	0.00	0.01	0.006	0					0.02
107.250	0.00	0.01	0.006	0					0.02
107.333	0.00	0.01	0.006	0					0.02
107.417	0.00	0.01	0.006	0					0.02
107.500	0.00	0.01	0.006	0					0.02
107.583	0.00	0.01	0.006	0					0.02
107.667	0.00	0.01	0.006	0					0.02
107.750	0.00	0.01	0.006	0					0.02
107.833	0.00	0.01	0.006	0					0.02
107.917	0.00	0.01	0.006	0					0.02
108.000	0.00	0.01	0.006	0					0.02
108.083	0.00	0.01	0.006	0					0.02

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

108.167	0.00	0.01	0.006	0					0.02
108.250	0.00	0.01	0.006	0					0.02
108.333	0.00	0.01	0.006	0					0.02
108.417	0.00	0.00	0.006	0					0.02
108.500	0.00	0.00	0.006	0					0.02
108.583	0.00	0.00	0.006	0					0.02
108.667	0.00	0.00	0.006	0					0.02
108.750	0.00	0.00	0.005	0					0.02
108.833	0.00	0.00	0.005	0					0.02
108.917	0.00	0.00	0.005	0					0.02
109.000	0.00	0.00	0.005	0					0.01
109.083	0.00	0.00	0.005	0					0.01
109.167	0.00	0.00	0.005	0					0.01
109.250	0.00	0.00	0.005	0					0.01
109.333	0.00	0.00	0.005	0					0.01
109.417	0.00	0.00	0.005	0					0.01
109.500	0.00	0.00	0.005	0					0.01
109.583	0.00	0.00	0.005	0					0.01
109.667	0.00	0.00	0.005	0					0.01
109.750	0.00	0.00	0.005	0					0.01
109.833	0.00	0.00	0.005	0					0.01
109.917	0.00	0.00	0.005	0					0.01
110.000	0.00	0.00	0.005	0					0.01
110.083	0.00	0.00	0.005	0					0.01
110.167	0.00	0.00	0.005	0					0.01
110.250	0.00	0.00	0.005	0					0.01
110.333	0.00	0.00	0.005	0					0.01
110.417	0.00	0.00	0.005	0					0.01
110.500	0.00	0.00	0.005	0					0.01
110.583	0.00	0.00	0.005	0					0.01
110.667	0.00	0.00	0.005	0					0.01
110.750	0.00	0.00	0.005	0					0.01
110.833	0.00	0.00	0.005	0					0.01
110.917	0.00	0.00	0.005	0					0.01
111.000	0.00	0.00	0.005	0					0.01
111.083	0.00	0.00	0.005	0					0.01
111.167	0.00	0.00	0.005	0					0.01
111.250	0.00	0.00	0.005	0					0.01
111.333	0.00	0.00	0.005	0					0.01
111.417	0.00	0.00	0.005	0					0.01
111.500	0.00	0.00	0.004	0					0.01
111.583	0.00	0.00	0.004	0					0.01
111.667	0.00	0.00	0.004	0					0.01
111.750	0.00	0.00	0.004	0					0.01
111.833	0.00	0.00	0.004	0					0.01
111.917	0.00	0.00	0.004	0					0.01
112.000	0.00	0.00	0.004	0					0.01
112.083	0.00	0.00	0.004	0					0.01
112.167	0.00	0.00	0.004	0					0.01
112.250	0.00	0.00	0.004	0					0.01
112.333	0.00	0.00	0.004	0					0.01
112.417	0.00	0.00	0.004	0					0.01
112.500	0.00	0.00	0.004	0					0.01
112.583	0.00	0.00	0.004	0					0.01
112.667	0.00	0.00	0.004	0					0.01
112.750	0.00	0.00	0.004	0					0.01
112.833	0.00	0.00	0.004	0					0.01
112.917	0.00	0.00	0.004	0					0.01
113.000	0.00	0.00	0.004	0					0.01
113.083	0.00	0.00	0.004	0					0.01
113.167	0.00	0.00	0.004	0					0.01
113.250	0.00	0.00	0.004	0					0.01
113.333	0.00	0.00	0.004	0					0.01
113.417	0.00	0.00	0.004	0					0.01
113.500	0.00	0.00	0.004	0					0.01
113.583	0.00	0.00	0.004	0					0.01
113.667	0.00	0.00	0.004	0					0.01
113.750	0.00	0.00	0.004	0					0.01
113.833	0.00	0.00	0.004	0					0.01
113.917	0.00	0.00	0.004	0					0.01
114.000	0.00	0.00	0.004	0					0.01
114.083	0.00	0.00	0.004	0					0.01

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

114.167	0.00	0.00	0.004	0					0.01
114.250	0.00	0.00	0.004	0					0.01
114.333	0.00	0.00	0.004	0					0.01
114.417	0.00	0.00	0.004	0					0.01
114.500	0.00	0.00	0.004	0					0.01
114.583	0.00	0.00	0.004	0					0.01
114.667	0.00	0.00	0.004	0					0.01
114.750	0.00	0.00	0.004	0					0.01
114.833	0.00	0.00	0.004	0					0.01
114.917	0.00	0.00	0.003	0					0.01
115.000	0.00	0.00	0.003	0					0.01
115.083	0.00	0.00	0.003	0					0.01
115.167	0.00	0.00	0.003	0					0.01
115.250	0.00	0.00	0.003	0					0.01
115.333	0.00	0.00	0.003	0					0.01
115.417	0.00	0.00	0.003	0					0.01
115.500	0.00	0.00	0.003	0					0.01
115.583	0.00	0.00	0.003	0					0.01
115.667	0.00	0.00	0.003	0					0.01
115.750	0.00	0.00	0.003	0					0.01
115.833	0.00	0.00	0.003	0					0.01
115.917	0.00	0.00	0.003	0					0.01
116.000	0.00	0.00	0.003	0					0.01
116.083	0.00	0.00	0.003	0					0.01
116.167	0.00	0.00	0.003	0					0.01
116.250	0.00	0.00	0.003	0					0.01
116.333	0.00	0.00	0.003	0					0.01
116.417	0.00	0.00	0.003	0					0.01
116.500	0.00	0.00	0.003	0					0.01
116.583	0.00	0.00	0.003	0					0.01
116.667	0.00	0.00	0.003	0					0.01
116.750	0.00	0.00	0.003	0					0.01
116.833	0.00	0.00	0.003	0					0.01
116.917	0.00	0.00	0.003	0					0.01
117.000	0.00	0.00	0.003	0					0.01
117.083	0.00	0.00	0.003	0					0.01
117.167	0.00	0.00	0.003	0					0.01
117.250	0.00	0.00	0.003	0					0.01
117.333	0.00	0.00	0.003	0					0.01
117.417	0.00	0.00	0.003	0					0.01
117.500	0.00	0.00	0.003	0					0.01
117.583	0.00	0.00	0.003	0					0.01
117.667	0.00	0.00	0.003	0					0.01
117.750	0.00	0.00	0.003	0					0.01
117.833	0.00	0.00	0.003	0					0.01
117.917	0.00	0.00	0.003	0					0.01
118.000	0.00	0.00	0.003	0					0.01
118.083	0.00	0.00	0.003	0					0.01
118.167	0.00	0.00	0.003	0					0.01
118.250	0.00	0.00	0.003	0					0.01
118.333	0.00	0.00	0.003	0					0.01
118.417	0.00	0.00	0.003	0					0.01
118.500	0.00	0.00	0.003	0					0.01
118.583	0.00	0.00	0.003	0					0.01
118.667	0.00	0.00	0.003	0					0.01
118.750	0.00	0.00	0.003	0					0.01
118.833	0.00	0.00	0.003	0					0.01
118.917	0.00	0.00	0.003	0					0.01
119.000	0.00	0.00	0.003	0					0.01
119.083	0.00	0.00	0.003	0					0.01
119.167	0.00	0.00	0.003	0					0.01
119.250	0.00	0.00	0.003	0					0.01
119.333	0.00	0.00	0.003	0					0.01
119.417	0.00	0.00	0.003	0					0.01
119.500	0.00	0.00	0.002	0					0.01
119.583	0.00	0.00	0.002	0					0.01
119.667	0.00	0.00	0.002	0					0.01
119.750	0.00	0.00	0.002	0					0.01
119.833	0.00	0.00	0.002	0					0.01
119.917	0.00	0.00	0.002	0					0.01
120.000	0.00	0.00	0.002	0					0.01
120.083	0.00	0.00	0.002	0					0.01

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

120.167	0.00	0.00	0.002	0					0.01
120.250	0.00	0.00	0.002	0					0.01
120.333	0.00	0.00	0.002	0					0.01
120.417	0.00	0.00	0.002	0					0.01
120.500	0.00	0.00	0.002	0					0.01
120.583	0.00	0.00	0.002	0					0.01
120.667	0.00	0.00	0.002	0					0.01
120.750	0.00	0.00	0.002	0					0.01
120.833	0.00	0.00	0.002	0					0.01
120.917	0.00	0.00	0.002	0					0.01
121.000	0.00	0.00	0.002	0					0.01
121.083	0.00	0.00	0.002	0					0.01
121.167	0.00	0.00	0.002	0					0.01
121.250	0.00	0.00	0.002	0					0.01
121.333	0.00	0.00	0.002	0					0.01
121.417	0.00	0.00	0.002	0					0.01
121.500	0.00	0.00	0.002	0					0.01
121.583	0.00	0.00	0.002	0					0.01
121.667	0.00	0.00	0.002	0					0.01
121.750	0.00	0.00	0.002	0					0.01
121.833	0.00	0.00	0.002	0					0.01
121.917	0.00	0.00	0.002	0					0.01
122.000	0.00	0.00	0.002	0					0.01
122.083	0.00	0.00	0.002	0					0.01
122.167	0.00	0.00	0.002	0					0.01
122.250	0.00	0.00	0.002	0					0.01
122.333	0.00	0.00	0.002	0					0.01
122.417	0.00	0.00	0.002	0					0.01
122.500	0.00	0.00	0.002	0					0.01
122.583	0.00	0.00	0.002	0					0.01
122.667	0.00	0.00	0.002	0					0.01
122.750	0.00	0.00	0.002	0					0.01
122.833	0.00	0.00	0.002	0					0.01
122.917	0.00	0.00	0.002	0					0.01
123.000	0.00	0.00	0.002	0					0.01
123.083	0.00	0.00	0.002	0					0.01
123.167	0.00	0.00	0.002	0					0.01
123.250	0.00	0.00	0.002	0					0.01
123.333	0.00	0.00	0.002	0					0.01
123.417	0.00	0.00	0.002	0					0.01
123.500	0.00	0.00	0.002	0					0.01
123.583	0.00	0.00	0.002	0					0.01
123.667	0.00	0.00	0.002	0					0.01
123.750	0.00	0.00	0.002	0					0.01
123.833	0.00	0.00	0.002	0					0.01
123.917	0.00	0.00	0.002	0					0.00
124.000	0.00	0.00	0.002	0					0.00
124.083	0.00	0.00	0.002	0					0.00
124.167	0.00	0.00	0.002	0					0.00
124.250	0.00	0.00	0.002	0					0.00
124.333	0.00	0.00	0.002	0					0.00
124.417	0.00	0.00	0.002	0					0.00
124.500	0.00	0.00	0.002	0					0.00
124.583	0.00	0.00	0.002	0					0.00
124.667	0.00	0.00	0.002	0					0.00
124.750	0.00	0.00	0.002	0					0.00
124.833	0.00	0.00	0.002	0					0.00
124.917	0.00	0.00	0.002	0					0.00
125.000	0.00	0.00	0.002	0					0.00
125.083	0.00	0.00	0.002	0					0.00
125.167	0.00	0.00	0.002	0					0.00
125.250	0.00	0.00	0.002	0					0.00
125.333	0.00	0.00	0.002	0					0.00
125.417	0.00	0.00	0.002	0					0.00
125.500	0.00	0.00	0.002	0					0.00
125.583	0.00	0.00	0.002	0					0.00
125.667	0.00	0.00	0.002	0					0.00
125.750	0.00	0.00	0.002	0					0.00
125.833	0.00	0.00	0.002	0					0.00
125.917	0.00	0.00	0.002	0					0.00
126.000	0.00	0.00	0.002	0					0.00
126.083	0.00	0.00	0.002	0					0.00

Glen Ivy Senior Living

ATTACHMENT D – Detention Basin Routing

126.167	0.00	0.00	0.002	0					0.00
126.250	0.00	0.00	0.002	0					0.00
126.333	0.00	0.00	0.002	0					0.00
126.417	0.00	0.00	0.001	0					0.00
126.500	0.00	0.00	0.001	0					0.00
126.583	0.00	0.00	0.001	0					0.00
126.667	0.00	0.00	0.001	0					0.00
126.750	0.00	0.00	0.001	0					0.00
126.833	0.00	0.00	0.001	0					0.00
126.917	0.00	0.00	0.001	0					0.00
127.000	0.00	0.00	0.001	0					0.00
127.083	0.00	0.00	0.001	0					0.00
127.167	0.00	0.00	0.001	0					0.00
127.250	0.00	0.00	0.001	0					0.00
127.333	0.00	0.00	0.001	0					0.00
127.417	0.00	0.00	0.001	0					0.00
127.500	0.00	0.00	0.001	0					0.00
127.583	0.00	0.00	0.001	0					0.00
127.667	0.00	0.00	0.001	0					0.00
127.750	0.00	0.00	0.001	0					0.00
127.833	0.00	0.00	0.001	0					0.00
127.917	0.00	0.00	0.001	0					0.00
128.000	0.00	0.00	0.001	0					0.00
128.083	0.00	0.00	0.001	0					0.00
128.167	0.00	0.00	0.001	0					0.00
128.250	0.00	0.00	0.001	0					0.00
128.333	0.00	0.00	0.001	0					0.00
128.417	0.00	0.00	0.001	0					0.00
128.500	0.00	0.00	0.001	0					0.00
128.583	0.00	0.00	0.001	0					0.00
128.667	0.00	0.00	0.001	0					0.00
128.750	0.00	0.00	0.001	0					0.00
128.833	0.00	0.00	0.001	0					0.00
128.917	0.00	0.00	0.001	0					0.00
129.000	0.00	0.00	0.001	0					0.00
129.083	0.00	0.00	0.001	0					0.00
129.167	0.00	0.00	0.001	0					0.00
129.250	0.00	0.00	0.001	0					0.00
129.333	0.00	0.00	0.001	0					0.00
129.417	0.00	0.00	0.001	0					0.00
129.500	0.00	0.00	0.001	0					0.00
129.583	0.00	0.00	0.001	0					0.00
129.667	0.00	0.00	0.001	0					0.00
129.750	0.00	0.00	0.001	0					0.00
129.833	0.00	0.00	0.001	0					0.00
129.917	0.00	0.00	0.001	0					0.00
130.000	0.00	0.00	0.001	0					0.00
130.083	0.00	0.00	0.001	0					0.00
130.167	0.00	0.00	0.001	0					0.00
130.250	0.00	0.00	0.001	0					0.00
130.333	0.00	0.00	0.001	0					0.00

Remaining water in basin = 0.00 (Ac.Ft)

```

*****HYDROGRAPH DATA*****
      Number of intervals = 1564
      Time interval = 5.0 (Min.)
      Maximum/Peak flow rate = 0.845 (CFS)
      Total volume = 2.471 (Ac.Ft)
      Status of hydrographs being held in storage
      Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
      Peak (CFS) 0.000 0.000 0.000 0.000 0.000
      Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000
*****

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Glen Ivy Senior Living

ATTACHMENT D – Detention Basin Routing

FLOOD HYDROGRAPH ROUTING PROGRAM
 Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2005
 Study date: 08/18/20

 Program License Serial Number 4029

 ***** HYDROGRAPH INFORMATION *****

From study/file name: sh100pr1100.rte

*****HYDROGRAPH DATA*****

Number of intervals = 15
 Time interval = 5.0 (Min.)
 Maximum/Peak flow rate = 29.931 (CFS)
 Total volume = 1.125 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

+++++

Process from Point/Station 10.000 to Point/Station 11.000

**** RETARDING BASIN ROUTING ****

 User entry of depth-outflow-storage data

 Total number of inflow hydrograph intervals = 15
 Hydrograph time unit = 5.000 (Min.)
 Initial depth in storage basin = 0.00 (Ft.)

 Initial basin depth = 0.00 (Ft.)
 Initial basin storage = 0.00 (Ac.Ft)
 Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.360	0.320	0.359	0.361
2.000	0.810	0.460	0.808	0.812
3.000	1.310	0.680	1.308	1.312
4.000	1.860	0.880	1.857	1.863
5.000	2.470	6.320	2.448	2.492
6.000	3.140	16.140	3.084	3.196

Hydrograph Detention Basin Routing

 Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	7.5	14.97	22.45	29.93	Depth (Ft.)
0.083	3.13	0.01	0.011	O	I				0.03

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

0.167	6.20	0.04	0.043	O	I						0.12
0.250	7.54	0.08	0.090	O	I						0.25
0.333	8.48	0.13	0.144	O	I						0.40
0.417	8.84	0.18	0.203	O	I						0.56
0.500	9.65	0.24	0.265	O	I						0.74
0.583	11.33	0.30	0.335	O	I						0.93
0.667	13.43	0.34	0.418	O	I		I				1.13
0.750	17.35	0.37	0.522	O	I		I				1.36
0.833	29.93	0.42	0.682	O	I		I		I		1.72
0.917	26.42	0.49	0.873	O	I		I		I		2.13
1.000	13.48	0.55	1.007	O	I		I		I		2.39
1.083	6.13	0.57	1.070	O	I		I		I		2.52
1.167	1.17	0.58	1.092	O	I		I		I		2.56
1.250	0.31	0.58	1.093	O	I		I		I		2.57
1.333	0.00	0.58	1.090	O	I		I		I		2.56
1.417	0.00	0.58	1.086	O	I		I		I		2.55
1.500	0.00	0.58	1.082	O	I		I		I		2.54
1.583	0.00	0.58	1.078	O	I		I		I		2.54
1.667	0.00	0.58	1.074	O	I		I		I		2.53
1.750	0.00	0.57	1.070	O	I		I		I		2.52
1.833	0.00	0.57	1.066	O	I		I		I		2.51
1.917	0.00	0.57	1.062	O	I		I		I		2.50
2.000	0.00	0.57	1.058	O	I		I		I		2.50
2.083	0.00	0.57	1.054	O	I		I		I		2.49
2.167	0.00	0.57	1.050	O	I		I		I		2.48
2.250	0.00	0.56	1.046	O	I		I		I		2.47
2.333	0.00	0.56	1.042	O	I		I		I		2.46
2.417	0.00	0.56	1.039	O	I		I		I		2.46
2.500	0.00	0.56	1.035	O	I		I		I		2.45
2.583	0.00	0.56	1.031	O	I		I		I		2.44
2.667	0.00	0.56	1.027	O	I		I		I		2.43
2.750	0.00	0.55	1.023	O	I		I		I		2.43
2.833	0.00	0.55	1.019	O	I		I		I		2.42
2.917	0.00	0.55	1.016	O	I		I		I		2.41
3.000	0.00	0.55	1.012	O	I		I		I		2.40
3.083	0.00	0.55	1.008	O	I		I		I		2.40
3.167	0.00	0.55	1.004	O	I		I		I		2.39
3.250	0.00	0.54	1.001	O	I		I		I		2.38
3.333	0.00	0.54	0.997	O	I		I		I		2.37
3.417	0.00	0.54	0.993	O	I		I		I		2.37
3.500	0.00	0.54	0.989	O	I		I		I		2.36
3.583	0.00	0.54	0.986	O	I		I		I		2.35
3.667	0.00	0.54	0.982	O	I		I		I		2.34
3.750	0.00	0.53	0.978	O	I		I		I		2.34
3.833	0.00	0.53	0.975	O	I		I		I		2.33
3.917	0.00	0.53	0.971	O	I		I		I		2.32
4.000	0.00	0.53	0.967	O	I		I		I		2.31
4.083	0.00	0.53	0.964	O	I		I		I		2.31
4.167	0.00	0.53	0.960	O	I		I		I		2.30
4.250	0.00	0.52	0.956	O	I		I		I		2.29
4.333	0.00	0.52	0.953	O	I		I		I		2.29
4.417	0.00	0.52	0.949	O	I		I		I		2.28
4.500	0.00	0.52	0.946	O	I		I		I		2.27
4.583	0.00	0.52	0.942	O	I		I		I		2.26
4.667	0.00	0.52	0.938	O	I		I		I		2.26
4.750	0.00	0.51	0.935	O	I		I		I		2.25
4.833	0.00	0.51	0.931	O	I		I		I		2.24
4.917	0.00	0.51	0.928	O	I		I		I		2.24
5.000	0.00	0.51	0.924	O	I		I		I		2.23
5.083	0.00	0.51	0.921	O	I		I		I		2.22
5.167	0.00	0.51	0.917	O	I		I		I		2.21
5.250	0.00	0.51	0.914	O	I		I		I		2.21
5.333	0.00	0.50	0.910	O	I		I		I		2.20
5.417	0.00	0.50	0.907	O	I		I		I		2.19
5.500	0.00	0.50	0.903	O	I		I		I		2.19
5.583	0.00	0.50	0.900	O	I		I		I		2.18
5.667	0.00	0.50	0.897	O	I		I		I		2.17
5.750	0.00	0.50	0.893	O	I		I		I		2.17
5.833	0.00	0.50	0.890	O	I		I		I		2.16
5.917	0.00	0.49	0.886	O	I		I		I		2.15
6.000	0.00	0.49	0.883	O	I		I		I		2.15
6.083	0.00	0.49	0.880	O	I		I		I		2.14

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

6.167	0.00	0.49	0.876	0					2.13
6.250	0.00	0.49	0.873	0					2.13
6.333	0.00	0.49	0.869	0					2.12
6.417	0.00	0.48	0.866	0					2.11
6.500	0.00	0.48	0.863	0					2.11
6.583	0.00	0.48	0.859	0					2.10
6.667	0.00	0.48	0.856	0					2.09
6.750	0.00	0.48	0.853	0					2.09
6.833	0.00	0.48	0.850	0					2.08
6.917	0.00	0.48	0.846	0					2.07
7.000	0.00	0.47	0.843	0					2.07
7.083	0.00	0.47	0.840	0					2.06
7.167	0.00	0.47	0.836	0					2.05
7.250	0.00	0.47	0.833	0					2.05
7.333	0.00	0.47	0.830	0					2.04
7.417	0.00	0.47	0.827	0					2.03
7.500	0.00	0.47	0.824	0					2.03
7.583	0.00	0.46	0.820	0					2.02
7.667	0.00	0.46	0.817	0					2.01
7.750	0.00	0.46	0.814	0					2.01
7.833	0.00	0.46	0.811	0					2.00
7.917	0.00	0.46	0.808	0					1.99
8.000	0.00	0.46	0.804	0					1.99
8.083	0.00	0.46	0.801	0					1.98
8.167	0.00	0.46	0.798	0					1.97
8.250	0.00	0.46	0.795	0					1.97
8.333	0.00	0.45	0.792	0					1.96
8.417	0.00	0.45	0.789	0					1.95
8.500	0.00	0.45	0.786	0					1.95
8.583	0.00	0.45	0.783	0					1.94
8.667	0.00	0.45	0.779	0					1.93
8.750	0.00	0.45	0.776	0					1.93
8.833	0.00	0.45	0.773	0					1.92
8.917	0.00	0.45	0.770	0					1.91
9.000	0.00	0.45	0.767	0					1.90
9.083	0.00	0.45	0.764	0					1.90
9.167	0.00	0.44	0.761	0					1.89
9.250	0.00	0.44	0.758	0					1.88
9.333	0.00	0.44	0.755	0					1.88
9.417	0.00	0.44	0.752	0					1.87
9.500	0.00	0.44	0.749	0					1.86
9.583	0.00	0.44	0.746	0					1.86
9.667	0.00	0.44	0.743	0					1.85
9.750	0.00	0.44	0.740	0					1.84
9.833	0.00	0.44	0.737	0					1.84
9.917	0.00	0.44	0.734	0					1.83
10.000	0.00	0.44	0.731	0					1.82
10.083	0.00	0.43	0.728	0					1.82
10.167	0.00	0.43	0.725	0					1.81
10.250	0.00	0.43	0.722	0					1.80
10.333	0.00	0.43	0.719	0					1.80
10.417	0.00	0.43	0.716	0					1.79
10.500	0.00	0.43	0.713	0					1.78
10.583	0.00	0.43	0.710	0					1.78
10.667	0.00	0.43	0.707	0					1.77
10.750	0.00	0.43	0.704	0					1.76
10.833	0.00	0.43	0.701	0					1.76
10.917	0.00	0.43	0.698	0					1.75
11.000	0.00	0.42	0.695	0					1.74
11.083	0.00	0.42	0.692	0					1.74
11.167	0.00	0.42	0.689	0					1.73
11.250	0.00	0.42	0.686	0					1.73
11.333	0.00	0.42	0.683	0					1.72
11.417	0.00	0.42	0.681	0					1.71
11.500	0.00	0.42	0.678	0					1.71
11.583	0.00	0.42	0.675	0					1.70
11.667	0.00	0.42	0.672	0					1.69
11.750	0.00	0.42	0.669	0					1.69
11.833	0.00	0.42	0.666	0					1.68
11.917	0.00	0.41	0.663	0					1.67
12.000	0.00	0.41	0.660	0					1.67
12.083	0.00	0.41	0.658	0					1.66

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

12.167	0.00	0.41	0.655	0					1.66
12.250	0.00	0.41	0.652	0					1.65
12.333	0.00	0.41	0.649	0					1.64
12.417	0.00	0.41	0.646	0					1.64
12.500	0.00	0.41	0.644	0					1.63
12.583	0.00	0.41	0.641	0					1.62
12.667	0.00	0.41	0.638	0					1.62
12.750	0.00	0.41	0.635	0					1.61
12.833	0.00	0.40	0.632	0					1.61
12.917	0.00	0.40	0.630	0					1.60
13.000	0.00	0.40	0.627	0					1.59
13.083	0.00	0.40	0.624	0					1.59
13.167	0.00	0.40	0.621	0					1.58
13.250	0.00	0.40	0.618	0					1.57
13.333	0.00	0.40	0.616	0					1.57
13.417	0.00	0.40	0.613	0					1.56
13.500	0.00	0.40	0.610	0					1.56
13.583	0.00	0.40	0.607	0					1.55
13.667	0.00	0.40	0.605	0					1.54
13.750	0.00	0.40	0.602	0					1.54
13.833	0.00	0.39	0.599	0					1.53
13.917	0.00	0.39	0.597	0					1.53
14.000	0.00	0.39	0.594	0					1.52
14.083	0.00	0.39	0.591	0					1.51
14.167	0.00	0.39	0.588	0					1.51
14.250	0.00	0.39	0.586	0					1.50
14.333	0.00	0.39	0.583	0					1.50
14.417	0.00	0.39	0.580	0					1.49
14.500	0.00	0.39	0.578	0					1.48
14.583	0.00	0.39	0.575	0					1.48
14.667	0.00	0.39	0.572	0					1.47
14.750	0.00	0.39	0.570	0					1.47
14.833	0.00	0.38	0.567	0					1.46
14.917	0.00	0.38	0.564	0					1.45
15.000	0.00	0.38	0.562	0					1.45
15.083	0.00	0.38	0.559	0					1.44
15.167	0.00	0.38	0.557	0					1.44
15.250	0.00	0.38	0.554	0					1.43
15.333	0.00	0.38	0.551	0					1.43
15.417	0.00	0.38	0.549	0					1.42
15.500	0.00	0.38	0.546	0					1.41
15.583	0.00	0.38	0.543	0					1.41
15.667	0.00	0.38	0.541	0					1.40
15.750	0.00	0.38	0.538	0					1.40
15.833	0.00	0.37	0.536	0					1.39
15.917	0.00	0.37	0.533	0					1.38
16.000	0.00	0.37	0.531	0					1.38
16.083	0.00	0.37	0.528	0					1.37
16.167	0.00	0.37	0.525	0					1.37
16.250	0.00	0.37	0.523	0					1.36
16.333	0.00	0.37	0.520	0					1.36
16.417	0.00	0.37	0.518	0					1.35
16.500	0.00	0.37	0.515	0					1.35
16.583	0.00	0.37	0.513	0					1.34
16.667	0.00	0.37	0.510	0					1.33
16.750	0.00	0.37	0.508	0					1.33
16.833	0.00	0.37	0.505	0					1.32
16.917	0.00	0.36	0.503	0					1.32
17.000	0.00	0.36	0.500	0					1.31
17.083	0.00	0.36	0.498	0					1.31
17.167	0.00	0.36	0.495	0					1.30
17.250	0.00	0.36	0.493	0					1.29
17.333	0.00	0.36	0.490	0					1.29
17.417	0.00	0.36	0.488	0					1.28
17.500	0.00	0.36	0.485	0					1.28
17.583	0.00	0.36	0.483	0					1.27
17.667	0.00	0.36	0.480	0					1.27
17.750	0.00	0.36	0.478	0					1.26
17.833	0.00	0.36	0.475	0					1.26
17.917	0.00	0.36	0.473	0					1.25
18.000	0.00	0.35	0.470	0					1.25
18.083	0.00	0.35	0.468	0					1.24

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

18.167	0.00	0.35	0.466	0					1.23
18.250	0.00	0.35	0.463	0					1.23
18.333	0.00	0.35	0.461	0					1.22
18.417	0.00	0.35	0.458	0					1.22
18.500	0.00	0.35	0.456	0					1.21
18.583	0.00	0.35	0.454	0					1.21
18.667	0.00	0.35	0.451	0					1.20
18.750	0.00	0.35	0.449	0					1.20
18.833	0.00	0.35	0.446	0					1.19
18.917	0.00	0.35	0.444	0					1.19
19.000	0.00	0.35	0.442	0					1.18
19.083	0.00	0.34	0.439	0					1.18
19.167	0.00	0.34	0.437	0					1.17
19.250	0.00	0.34	0.434	0					1.17
19.333	0.00	0.34	0.432	0					1.16
19.417	0.00	0.34	0.430	0					1.15
19.500	0.00	0.34	0.427	0					1.15
19.583	0.00	0.34	0.425	0					1.14
19.667	0.00	0.34	0.423	0					1.14
19.750	0.00	0.34	0.420	0					1.13
19.833	0.00	0.34	0.418	0					1.13
19.917	0.00	0.34	0.416	0					1.12
20.000	0.00	0.34	0.413	0					1.12
20.083	0.00	0.34	0.411	0					1.11
20.167	0.00	0.34	0.409	0					1.11
20.250	0.00	0.33	0.406	0					1.10
20.333	0.00	0.33	0.404	0					1.10
20.417	0.00	0.33	0.402	0					1.09
20.500	0.00	0.33	0.400	0					1.09
20.583	0.00	0.33	0.397	0					1.08
20.667	0.00	0.33	0.395	0					1.08
20.750	0.00	0.33	0.393	0					1.07
20.833	0.00	0.33	0.390	0					1.07
20.917	0.00	0.33	0.388	0					1.06
21.000	0.00	0.33	0.386	0					1.06
21.083	0.00	0.33	0.384	0					1.05
21.167	0.00	0.33	0.381	0					1.05
21.250	0.00	0.33	0.379	0					1.04
21.333	0.00	0.33	0.377	0					1.04
21.417	0.00	0.32	0.375	0					1.03
21.500	0.00	0.32	0.372	0					1.03
21.583	0.00	0.32	0.370	0					1.02
21.667	0.00	0.32	0.368	0					1.02
21.750	0.00	0.32	0.366	0					1.01
21.833	0.00	0.32	0.364	0					1.01
21.917	0.00	0.32	0.361	0					1.00
22.000	0.00	0.32	0.359	0					1.00
22.083	0.00	0.32	0.357	0					0.99
22.167	0.00	0.32	0.355	0					0.99
22.250	0.00	0.31	0.353	0					0.98
22.333	0.00	0.31	0.350	0					0.97
22.417	0.00	0.31	0.348	0					0.97
22.500	0.00	0.31	0.346	0					0.96
22.583	0.00	0.31	0.344	0					0.96
22.667	0.00	0.30	0.342	0					0.95
22.750	0.00	0.30	0.340	0					0.94
22.833	0.00	0.30	0.338	0					0.94
22.917	0.00	0.30	0.336	0					0.93
23.000	0.00	0.30	0.334	0					0.93
23.083	0.00	0.29	0.332	0					0.92
23.167	0.00	0.29	0.330	0					0.92
23.250	0.00	0.29	0.328	0					0.91
23.333	0.00	0.29	0.326	0					0.90
23.417	0.00	0.29	0.324	0					0.90
23.500	0.00	0.29	0.322	0					0.89
23.583	0.00	0.28	0.320	0					0.89
23.667	0.00	0.28	0.318	0					0.88
23.750	0.00	0.28	0.316	0					0.88
23.833	0.00	0.28	0.314	0					0.87
23.917	0.00	0.28	0.312	0					0.87
24.000	0.00	0.28	0.310	0					0.86
24.083	0.00	0.27	0.308	0					0.86

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

24.167	0.00	0.27	0.306	0					0.85
24.250	0.00	0.27	0.304	0					0.85
24.333	0.00	0.27	0.303	0					0.84
24.417	0.00	0.27	0.301	0					0.84
24.500	0.00	0.27	0.299	0					0.83
24.583	0.00	0.26	0.297	0					0.83
24.667	0.00	0.26	0.295	0					0.82
24.750	0.00	0.26	0.293	0					0.82
24.833	0.00	0.26	0.292	0					0.81
24.917	0.00	0.26	0.290	0					0.81
25.000	0.00	0.26	0.288	0					0.80
25.083	0.00	0.25	0.286	0					0.80
25.167	0.00	0.25	0.285	0					0.79
25.250	0.00	0.25	0.283	0					0.79
25.333	0.00	0.25	0.281	0					0.78
25.417	0.00	0.25	0.279	0					0.78
25.500	0.00	0.25	0.278	0					0.77
25.583	0.00	0.25	0.276	0					0.77
25.667	0.00	0.24	0.274	0					0.76
25.750	0.00	0.24	0.273	0					0.76
25.833	0.00	0.24	0.271	0					0.75
25.917	0.00	0.24	0.269	0					0.75
26.000	0.00	0.24	0.268	0					0.74
26.083	0.00	0.24	0.266	0					0.74
26.167	0.00	0.24	0.264	0					0.73
26.250	0.00	0.23	0.263	0					0.73
26.333	0.00	0.23	0.261	0					0.73
26.417	0.00	0.23	0.260	0					0.72
26.500	0.00	0.23	0.258	0					0.72
26.583	0.00	0.23	0.256	0					0.71
26.667	0.00	0.23	0.255	0					0.71
26.750	0.00	0.23	0.253	0					0.70
26.833	0.00	0.22	0.252	0					0.70
26.917	0.00	0.22	0.250	0					0.70
27.000	0.00	0.22	0.249	0					0.69
27.083	0.00	0.22	0.247	0					0.69
27.167	0.00	0.22	0.246	0					0.68
27.250	0.00	0.22	0.244	0					0.68
27.333	0.00	0.22	0.243	0					0.67
27.417	0.00	0.21	0.241	0					0.67
27.500	0.00	0.21	0.240	0					0.67
27.583	0.00	0.21	0.238	0					0.66
27.667	0.00	0.21	0.237	0					0.66
27.750	0.00	0.21	0.235	0					0.65
27.833	0.00	0.21	0.234	0					0.65
27.917	0.00	0.21	0.233	0					0.65
28.000	0.00	0.21	0.231	0					0.64
28.083	0.00	0.20	0.230	0					0.64
28.167	0.00	0.20	0.228	0					0.63
28.250	0.00	0.20	0.227	0					0.63
28.333	0.00	0.20	0.226	0					0.63
28.417	0.00	0.20	0.224	0					0.62
28.500	0.00	0.20	0.223	0					0.62
28.583	0.00	0.20	0.221	0					0.62
28.667	0.00	0.20	0.220	0					0.61
28.750	0.00	0.19	0.219	0					0.61
28.833	0.00	0.19	0.217	0					0.60
28.917	0.00	0.19	0.216	0					0.60
29.000	0.00	0.19	0.215	0					0.60
29.083	0.00	0.19	0.213	0					0.59
29.167	0.00	0.19	0.212	0					0.59
29.250	0.00	0.19	0.211	0					0.59
29.333	0.00	0.19	0.210	0					0.58
29.417	0.00	0.19	0.208	0					0.58
29.500	0.00	0.18	0.207	0					0.58
29.583	0.00	0.18	0.206	0					0.57
29.667	0.00	0.18	0.204	0					0.57
29.750	0.00	0.18	0.203	0					0.56
29.833	0.00	0.18	0.202	0					0.56
29.917	0.00	0.18	0.201	0					0.56
30.000	0.00	0.18	0.200	0					0.55
30.083	0.00	0.18	0.198	0					0.55

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

30.167	0.00	0.18	0.197	0					0.55
30.250	0.00	0.17	0.196	0					0.54
30.333	0.00	0.17	0.195	0					0.54
30.417	0.00	0.17	0.194	0					0.54
30.500	0.00	0.17	0.192	0					0.53
30.583	0.00	0.17	0.191	0					0.53
30.667	0.00	0.17	0.190	0					0.53
30.750	0.00	0.17	0.189	0					0.52
30.833	0.00	0.17	0.188	0					0.52
30.917	0.00	0.17	0.187	0					0.52
31.000	0.00	0.16	0.185	0					0.52
31.083	0.00	0.16	0.184	0					0.51
31.167	0.00	0.16	0.183	0					0.51
31.250	0.00	0.16	0.182	0					0.51
31.333	0.00	0.16	0.181	0					0.50
31.417	0.00	0.16	0.180	0					0.50
31.500	0.00	0.16	0.179	0					0.50
31.583	0.00	0.16	0.178	0					0.49
31.667	0.00	0.16	0.177	0					0.49
31.750	0.00	0.16	0.175	0					0.49
31.833	0.00	0.16	0.174	0					0.48
31.917	0.00	0.15	0.173	0					0.48
32.000	0.00	0.15	0.172	0					0.48
32.083	0.00	0.15	0.171	0					0.48
32.167	0.00	0.15	0.170	0					0.47
32.250	0.00	0.15	0.169	0					0.47
32.333	0.00	0.15	0.168	0					0.47
32.417	0.00	0.15	0.167	0					0.46
32.500	0.00	0.15	0.166	0					0.46
32.583	0.00	0.15	0.165	0					0.46
32.667	0.00	0.15	0.164	0					0.46
32.750	0.00	0.14	0.163	0					0.45
32.833	0.00	0.14	0.162	0					0.45
32.917	0.00	0.14	0.161	0					0.45
33.000	0.00	0.14	0.160	0					0.44
33.083	0.00	0.14	0.159	0					0.44
33.167	0.00	0.14	0.158	0					0.44
33.250	0.00	0.14	0.157	0					0.44
33.333	0.00	0.14	0.156	0					0.43
33.417	0.00	0.14	0.155	0					0.43
33.500	0.00	0.14	0.154	0					0.43
33.583	0.00	0.14	0.153	0					0.43
33.667	0.00	0.14	0.152	0					0.42
33.750	0.00	0.13	0.151	0					0.42
33.833	0.00	0.13	0.151	0					0.42
33.917	0.00	0.13	0.150	0					0.42
34.000	0.00	0.13	0.149	0					0.41
34.083	0.00	0.13	0.148	0					0.41
34.167	0.00	0.13	0.147	0					0.41
34.250	0.00	0.13	0.146	0					0.41
34.333	0.00	0.13	0.145	0					0.40
34.417	0.00	0.13	0.144	0					0.40
34.500	0.00	0.13	0.143	0					0.40
34.583	0.00	0.13	0.143	0					0.40
34.667	0.00	0.13	0.142	0					0.39
34.750	0.00	0.13	0.141	0					0.39
34.833	0.00	0.12	0.140	0					0.39
34.917	0.00	0.12	0.139	0					0.39
35.000	0.00	0.12	0.138	0					0.38
35.083	0.00	0.12	0.137	0					0.38
35.167	0.00	0.12	0.137	0					0.38
35.250	0.00	0.12	0.136	0					0.38
35.333	0.00	0.12	0.135	0					0.37
35.417	0.00	0.12	0.134	0					0.37
35.500	0.00	0.12	0.133	0					0.37
35.583	0.00	0.12	0.132	0					0.37
35.667	0.00	0.12	0.132	0					0.37
35.750	0.00	0.12	0.131	0					0.36
35.833	0.00	0.12	0.130	0					0.36
35.917	0.00	0.11	0.129	0					0.36
36.000	0.00	0.11	0.128	0					0.36
36.083	0.00	0.11	0.128	0					0.35

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

36.167	0.00	0.11	0.127	0					0.35
36.250	0.00	0.11	0.126	0					0.35
36.333	0.00	0.11	0.125	0					0.35
36.417	0.00	0.11	0.125	0					0.35
36.500	0.00	0.11	0.124	0					0.34
36.583	0.00	0.11	0.123	0					0.34
36.667	0.00	0.11	0.122	0					0.34
36.750	0.00	0.11	0.122	0					0.34
36.833	0.00	0.11	0.121	0					0.34
36.917	0.00	0.11	0.120	0					0.33
37.000	0.00	0.11	0.119	0					0.33
37.083	0.00	0.11	0.119	0					0.33
37.167	0.00	0.10	0.118	0					0.33
37.250	0.00	0.10	0.117	0					0.33
37.333	0.00	0.10	0.116	0					0.32
37.417	0.00	0.10	0.116	0					0.32
37.500	0.00	0.10	0.115	0					0.32
37.583	0.00	0.10	0.114	0					0.32
37.667	0.00	0.10	0.114	0					0.32
37.750	0.00	0.10	0.113	0					0.31
37.833	0.00	0.10	0.112	0					0.31
37.917	0.00	0.10	0.112	0					0.31
38.000	0.00	0.10	0.111	0					0.31
38.083	0.00	0.10	0.110	0					0.31
38.167	0.00	0.10	0.110	0					0.30
38.250	0.00	0.10	0.109	0					0.30
38.333	0.00	0.10	0.108	0					0.30
38.417	0.00	0.10	0.108	0					0.30
38.500	0.00	0.09	0.107	0					0.30
38.583	0.00	0.09	0.106	0					0.30
38.667	0.00	0.09	0.106	0					0.29
38.750	0.00	0.09	0.105	0					0.29
38.833	0.00	0.09	0.104	0					0.29
38.917	0.00	0.09	0.104	0					0.29
39.000	0.00	0.09	0.103	0					0.29
39.083	0.00	0.09	0.102	0					0.28
39.167	0.00	0.09	0.102	0					0.28
39.250	0.00	0.09	0.101	0					0.28
39.333	0.00	0.09	0.101	0					0.28
39.417	0.00	0.09	0.100	0					0.28
39.500	0.00	0.09	0.099	0					0.28
39.583	0.00	0.09	0.099	0					0.27
39.667	0.00	0.09	0.098	0					0.27
39.750	0.00	0.09	0.097	0					0.27
39.833	0.00	0.09	0.097	0					0.27
39.917	0.00	0.09	0.096	0					0.27
40.000	0.00	0.09	0.096	0					0.27
40.083	0.00	0.08	0.095	0					0.26
40.167	0.00	0.08	0.095	0					0.26
40.250	0.00	0.08	0.094	0					0.26
40.333	0.00	0.08	0.093	0					0.26
40.417	0.00	0.08	0.093	0					0.26
40.500	0.00	0.08	0.092	0					0.26
40.583	0.00	0.08	0.092	0					0.25
40.667	0.00	0.08	0.091	0					0.25
40.750	0.00	0.08	0.091	0					0.25
40.833	0.00	0.08	0.090	0					0.25
40.917	0.00	0.08	0.089	0					0.25
41.000	0.00	0.08	0.089	0					0.25
41.083	0.00	0.08	0.088	0					0.25
41.167	0.00	0.08	0.088	0					0.24
41.250	0.00	0.08	0.087	0					0.24
41.333	0.00	0.08	0.087	0					0.24
41.417	0.00	0.08	0.086	0					0.24
41.500	0.00	0.08	0.086	0					0.24
41.583	0.00	0.08	0.085	0					0.24
41.667	0.00	0.08	0.085	0					0.24
41.750	0.00	0.07	0.084	0					0.23
41.833	0.00	0.07	0.084	0					0.23
41.917	0.00	0.07	0.083	0					0.23
42.000	0.00	0.07	0.083	0					0.23
42.083	0.00	0.07	0.082	0					0.23

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

42.167	0.00	0.07	0.082	0					0.23
42.250	0.00	0.07	0.081	0					0.23
42.333	0.00	0.07	0.081	0					0.22
42.417	0.00	0.07	0.080	0					0.22
42.500	0.00	0.07	0.080	0					0.22
42.583	0.00	0.07	0.079	0					0.22
42.667	0.00	0.07	0.079	0					0.22
42.750	0.00	0.07	0.078	0					0.22
42.833	0.00	0.07	0.078	0					0.22
42.917	0.00	0.07	0.077	0					0.21
43.000	0.00	0.07	0.077	0					0.21
43.083	0.00	0.07	0.076	0					0.21
43.167	0.00	0.07	0.076	0					0.21
43.250	0.00	0.07	0.075	0					0.21
43.333	0.00	0.07	0.075	0					0.21
43.417	0.00	0.07	0.074	0					0.21
43.500	0.00	0.07	0.074	0					0.21
43.583	0.00	0.07	0.074	0					0.20
43.667	0.00	0.06	0.073	0					0.20
43.750	0.00	0.06	0.073	0					0.20
43.833	0.00	0.06	0.072	0					0.20
43.917	0.00	0.06	0.072	0					0.20
44.000	0.00	0.06	0.071	0					0.20
44.083	0.00	0.06	0.071	0					0.20
44.167	0.00	0.06	0.070	0					0.20
44.250	0.00	0.06	0.070	0					0.19
44.333	0.00	0.06	0.070	0					0.19
44.417	0.00	0.06	0.069	0					0.19
44.500	0.00	0.06	0.069	0					0.19
44.583	0.00	0.06	0.068	0					0.19
44.667	0.00	0.06	0.068	0					0.19
44.750	0.00	0.06	0.068	0					0.19
44.833	0.00	0.06	0.067	0					0.19
44.917	0.00	0.06	0.067	0					0.19
45.000	0.00	0.06	0.066	0					0.18
45.083	0.00	0.06	0.066	0					0.18
45.167	0.00	0.06	0.065	0					0.18
45.250	0.00	0.06	0.065	0					0.18
45.333	0.00	0.06	0.065	0					0.18
45.417	0.00	0.06	0.064	0					0.18
45.500	0.00	0.06	0.064	0					0.18
45.583	0.00	0.06	0.064	0					0.18
45.667	0.00	0.06	0.063	0					0.18
45.750	0.00	0.06	0.063	0					0.17
45.833	0.00	0.06	0.062	0					0.17
45.917	0.00	0.06	0.062	0					0.17
46.000	0.00	0.05	0.062	0					0.17
46.083	0.00	0.05	0.061	0					0.17
46.167	0.00	0.05	0.061	0					0.17
46.250	0.00	0.05	0.060	0					0.17
46.333	0.00	0.05	0.060	0					0.17
46.417	0.00	0.05	0.060	0					0.17
46.500	0.00	0.05	0.059	0					0.16
46.583	0.00	0.05	0.059	0					0.16
46.667	0.00	0.05	0.059	0					0.16
46.750	0.00	0.05	0.058	0					0.16
46.833	0.00	0.05	0.058	0					0.16
46.917	0.00	0.05	0.058	0					0.16
47.000	0.00	0.05	0.057	0					0.16
47.083	0.00	0.05	0.057	0					0.16
47.167	0.00	0.05	0.057	0					0.16
47.250	0.00	0.05	0.056	0					0.16
47.333	0.00	0.05	0.056	0					0.16
47.417	0.00	0.05	0.056	0					0.15
47.500	0.00	0.05	0.055	0					0.15
47.583	0.00	0.05	0.055	0					0.15
47.667	0.00	0.05	0.055	0					0.15
47.750	0.00	0.05	0.054	0					0.15
47.833	0.00	0.05	0.054	0					0.15
47.917	0.00	0.05	0.054	0					0.15
48.000	0.00	0.05	0.053	0					0.15
48.083	0.00	0.05	0.053	0					0.15

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

48.167	0.00	0.05	0.053	0					0.15
48.250	0.00	0.05	0.052	0					0.15
48.333	0.00	0.05	0.052	0					0.14
48.417	0.00	0.05	0.052	0					0.14
48.500	0.00	0.05	0.051	0					0.14
48.583	0.00	0.05	0.051	0					0.14
48.667	0.00	0.05	0.051	0					0.14
48.750	0.00	0.04	0.050	0					0.14
48.833	0.00	0.04	0.050	0					0.14
48.917	0.00	0.04	0.050	0					0.14
49.000	0.00	0.04	0.049	0					0.14
49.083	0.00	0.04	0.049	0					0.14
49.167	0.00	0.04	0.049	0					0.14
49.250	0.00	0.04	0.049	0					0.13
49.333	0.00	0.04	0.048	0					0.13
49.417	0.00	0.04	0.048	0					0.13
49.500	0.00	0.04	0.048	0					0.13
49.583	0.00	0.04	0.047	0					0.13
49.667	0.00	0.04	0.047	0					0.13
49.750	0.00	0.04	0.047	0					0.13
49.833	0.00	0.04	0.046	0					0.13
49.917	0.00	0.04	0.046	0					0.13
50.000	0.00	0.04	0.046	0					0.13
50.083	0.00	0.04	0.046	0					0.13
50.167	0.00	0.04	0.045	0					0.13
50.250	0.00	0.04	0.045	0					0.13
50.333	0.00	0.04	0.045	0					0.12
50.417	0.00	0.04	0.045	0					0.12
50.500	0.00	0.04	0.044	0					0.12
50.583	0.00	0.04	0.044	0					0.12
50.667	0.00	0.04	0.044	0					0.12
50.750	0.00	0.04	0.043	0					0.12
50.833	0.00	0.04	0.043	0					0.12
50.917	0.00	0.04	0.043	0					0.12
51.000	0.00	0.04	0.043	0					0.12
51.083	0.00	0.04	0.042	0					0.12
51.167	0.00	0.04	0.042	0					0.12
51.250	0.00	0.04	0.042	0					0.12
51.333	0.00	0.04	0.042	0					0.12
51.417	0.00	0.04	0.041	0					0.11
51.500	0.00	0.04	0.041	0					0.11
51.583	0.00	0.04	0.041	0					0.11
51.667	0.00	0.04	0.041	0					0.11
51.750	0.00	0.04	0.040	0					0.11
51.833	0.00	0.04	0.040	0					0.11
51.917	0.00	0.04	0.040	0					0.11
52.000	0.00	0.04	0.040	0					0.11
52.083	0.00	0.04	0.039	0					0.11
52.167	0.00	0.03	0.039	0					0.11
52.250	0.00	0.03	0.039	0					0.11
52.333	0.00	0.03	0.039	0					0.11
52.417	0.00	0.03	0.038	0					0.11
52.500	0.00	0.03	0.038	0					0.11
52.583	0.00	0.03	0.038	0					0.11
52.667	0.00	0.03	0.038	0					0.10
52.750	0.00	0.03	0.038	0					0.10
52.833	0.00	0.03	0.037	0					0.10
52.917	0.00	0.03	0.037	0					0.10
53.000	0.00	0.03	0.037	0					0.10
53.083	0.00	0.03	0.037	0					0.10
53.167	0.00	0.03	0.036	0					0.10
53.250	0.00	0.03	0.036	0					0.10
53.333	0.00	0.03	0.036	0					0.10
53.417	0.00	0.03	0.036	0					0.10
53.500	0.00	0.03	0.036	0					0.10
53.583	0.00	0.03	0.035	0					0.10
53.667	0.00	0.03	0.035	0					0.10
53.750	0.00	0.03	0.035	0					0.10
53.833	0.00	0.03	0.035	0					0.10
53.917	0.00	0.03	0.034	0					0.10
54.000	0.00	0.03	0.034	0					0.10
54.083	0.00	0.03	0.034	0					0.09

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

54.167	0.00	0.03	0.034	0					0.09
54.250	0.00	0.03	0.034	0					0.09
54.333	0.00	0.03	0.033	0					0.09
54.417	0.00	0.03	0.033	0					0.09
54.500	0.00	0.03	0.033	0					0.09
54.583	0.00	0.03	0.033	0					0.09
54.667	0.00	0.03	0.033	0					0.09
54.750	0.00	0.03	0.032	0					0.09
54.833	0.00	0.03	0.032	0					0.09
54.917	0.00	0.03	0.032	0					0.09
55.000	0.00	0.03	0.032	0					0.09
55.083	0.00	0.03	0.032	0					0.09
55.167	0.00	0.03	0.031	0					0.09
55.250	0.00	0.03	0.031	0					0.09
55.333	0.00	0.03	0.031	0					0.09
55.417	0.00	0.03	0.031	0					0.09
55.500	0.00	0.03	0.031	0					0.09
55.583	0.00	0.03	0.030	0					0.08
55.667	0.00	0.03	0.030	0					0.08
55.750	0.00	0.03	0.030	0					0.08
55.833	0.00	0.03	0.030	0					0.08
55.917	0.00	0.03	0.030	0					0.08
56.000	0.00	0.03	0.030	0					0.08
56.083	0.00	0.03	0.029	0					0.08
56.167	0.00	0.03	0.029	0					0.08
56.250	0.00	0.03	0.029	0					0.08
56.333	0.00	0.03	0.029	0					0.08
56.417	0.00	0.03	0.029	0					0.08
56.500	0.00	0.03	0.028	0					0.08
56.583	0.00	0.03	0.028	0					0.08
56.667	0.00	0.03	0.028	0					0.08
56.750	0.00	0.02	0.028	0					0.08
56.833	0.00	0.02	0.028	0					0.08
56.917	0.00	0.02	0.028	0					0.08
57.000	0.00	0.02	0.027	0					0.08
57.083	0.00	0.02	0.027	0					0.08
57.167	0.00	0.02	0.027	0					0.08
57.250	0.00	0.02	0.027	0					0.07
57.333	0.00	0.02	0.027	0					0.07
57.417	0.00	0.02	0.027	0					0.07
57.500	0.00	0.02	0.026	0					0.07
57.583	0.00	0.02	0.026	0					0.07
57.667	0.00	0.02	0.026	0					0.07
57.750	0.00	0.02	0.026	0					0.07
57.833	0.00	0.02	0.026	0					0.07
57.917	0.00	0.02	0.026	0					0.07
58.000	0.00	0.02	0.026	0					0.07
58.083	0.00	0.02	0.025	0					0.07
58.167	0.00	0.02	0.025	0					0.07
58.250	0.00	0.02	0.025	0					0.07
58.333	0.00	0.02	0.025	0					0.07
58.417	0.00	0.02	0.025	0					0.07
58.500	0.00	0.02	0.025	0					0.07
58.583	0.00	0.02	0.024	0					0.07
58.667	0.00	0.02	0.024	0					0.07
58.750	0.00	0.02	0.024	0					0.07
58.833	0.00	0.02	0.024	0					0.07
58.917	0.00	0.02	0.024	0					0.07
59.000	0.00	0.02	0.024	0					0.07
59.083	0.00	0.02	0.024	0					0.07
59.167	0.00	0.02	0.023	0					0.07
59.250	0.00	0.02	0.023	0					0.06
59.333	0.00	0.02	0.023	0					0.06
59.417	0.00	0.02	0.023	0					0.06
59.500	0.00	0.02	0.023	0					0.06
59.583	0.00	0.02	0.023	0					0.06
59.667	0.00	0.02	0.023	0					0.06
59.750	0.00	0.02	0.022	0					0.06
59.833	0.00	0.02	0.022	0					0.06
59.917	0.00	0.02	0.022	0					0.06
60.000	0.00	0.02	0.022	0					0.06
60.083	0.00	0.02	0.022	0					0.06

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

60.167	0.00	0.02	0.022	0					0.06
60.250	0.00	0.02	0.022	0					0.06
60.333	0.00	0.02	0.021	0					0.06
60.417	0.00	0.02	0.021	0					0.06
60.500	0.00	0.02	0.021	0					0.06
60.583	0.00	0.02	0.021	0					0.06
60.667	0.00	0.02	0.021	0					0.06
60.750	0.00	0.02	0.021	0					0.06
60.833	0.00	0.02	0.021	0					0.06
60.917	0.00	0.02	0.021	0					0.06
61.000	0.00	0.02	0.020	0					0.06
61.083	0.00	0.02	0.020	0					0.06
61.167	0.00	0.02	0.020	0					0.06
61.250	0.00	0.02	0.020	0					0.06
61.333	0.00	0.02	0.020	0					0.06
61.417	0.00	0.02	0.020	0					0.06
61.500	0.00	0.02	0.020	0					0.05
61.583	0.00	0.02	0.020	0					0.05
61.667	0.00	0.02	0.019	0					0.05
61.750	0.00	0.02	0.019	0					0.05
61.833	0.00	0.02	0.019	0					0.05
61.917	0.00	0.02	0.019	0					0.05
62.000	0.00	0.02	0.019	0					0.05
62.083	0.00	0.02	0.019	0					0.05
62.167	0.00	0.02	0.019	0					0.05
62.250	0.00	0.02	0.019	0					0.05
62.333	0.00	0.02	0.019	0					0.05
62.417	0.00	0.02	0.018	0					0.05
62.500	0.00	0.02	0.018	0					0.05
62.583	0.00	0.02	0.018	0					0.05
62.667	0.00	0.02	0.018	0					0.05
62.750	0.00	0.02	0.018	0					0.05
62.833	0.00	0.02	0.018	0					0.05
62.917	0.00	0.02	0.018	0					0.05
63.000	0.00	0.02	0.018	0					0.05
63.083	0.00	0.02	0.018	0					0.05
63.167	0.00	0.02	0.017	0					0.05
63.250	0.00	0.02	0.017	0					0.05
63.333	0.00	0.02	0.017	0					0.05
63.417	0.00	0.02	0.017	0					0.05
63.500	0.00	0.02	0.017	0					0.05
63.583	0.00	0.02	0.017	0					0.05
63.667	0.00	0.01	0.017	0					0.05
63.750	0.00	0.01	0.017	0					0.05
63.833	0.00	0.01	0.017	0					0.05
63.917	0.00	0.01	0.017	0					0.05
64.000	0.00	0.01	0.016	0					0.05
64.083	0.00	0.01	0.016	0					0.05
64.167	0.00	0.01	0.016	0					0.05
64.250	0.00	0.01	0.016	0					0.04
64.333	0.00	0.01	0.016	0					0.04
64.417	0.00	0.01	0.016	0					0.04
64.500	0.00	0.01	0.016	0					0.04
64.583	0.00	0.01	0.016	0					0.04
64.667	0.00	0.01	0.016	0					0.04
64.750	0.00	0.01	0.016	0					0.04
64.833	0.00	0.01	0.015	0					0.04
64.917	0.00	0.01	0.015	0					0.04
65.000	0.00	0.01	0.015	0					0.04
65.083	0.00	0.01	0.015	0					0.04
65.167	0.00	0.01	0.015	0					0.04
65.250	0.00	0.01	0.015	0					0.04
65.333	0.00	0.01	0.015	0					0.04
65.417	0.00	0.01	0.015	0					0.04
65.500	0.00	0.01	0.015	0					0.04
65.583	0.00	0.01	0.015	0					0.04
65.667	0.00	0.01	0.015	0					0.04
65.750	0.00	0.01	0.014	0					0.04
65.833	0.00	0.01	0.014	0					0.04
65.917	0.00	0.01	0.014	0					0.04
66.000	0.00	0.01	0.014	0					0.04
66.083	0.00	0.01	0.014	0					0.04

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

66.167	0.00	0.01	0.014	0					0.04
66.250	0.00	0.01	0.014	0					0.04
66.333	0.00	0.01	0.014	0					0.04
66.417	0.00	0.01	0.014	0					0.04
66.500	0.00	0.01	0.014	0					0.04
66.583	0.00	0.01	0.014	0					0.04
66.667	0.00	0.01	0.013	0					0.04
66.750	0.00	0.01	0.013	0					0.04
66.833	0.00	0.01	0.013	0					0.04
66.917	0.00	0.01	0.013	0					0.04
67.000	0.00	0.01	0.013	0					0.04
67.083	0.00	0.01	0.013	0					0.04
67.167	0.00	0.01	0.013	0					0.04
67.250	0.00	0.01	0.013	0					0.04
67.333	0.00	0.01	0.013	0					0.04
67.417	0.00	0.01	0.013	0					0.04
67.500	0.00	0.01	0.013	0					0.04
67.583	0.00	0.01	0.013	0					0.04
67.667	0.00	0.01	0.013	0					0.03
67.750	0.00	0.01	0.012	0					0.03
67.833	0.00	0.01	0.012	0					0.03
67.917	0.00	0.01	0.012	0					0.03
68.000	0.00	0.01	0.012	0					0.03
68.083	0.00	0.01	0.012	0					0.03
68.167	0.00	0.01	0.012	0					0.03
68.250	0.00	0.01	0.012	0					0.03
68.333	0.00	0.01	0.012	0					0.03
68.417	0.00	0.01	0.012	0					0.03
68.500	0.00	0.01	0.012	0					0.03
68.583	0.00	0.01	0.012	0					0.03
68.667	0.00	0.01	0.012	0					0.03
68.750	0.00	0.01	0.012	0					0.03
68.833	0.00	0.01	0.012	0					0.03
68.917	0.00	0.01	0.011	0					0.03
69.000	0.00	0.01	0.011	0					0.03
69.083	0.00	0.01	0.011	0					0.03
69.167	0.00	0.01	0.011	0					0.03
69.250	0.00	0.01	0.011	0					0.03
69.333	0.00	0.01	0.011	0					0.03
69.417	0.00	0.01	0.011	0					0.03
69.500	0.00	0.01	0.011	0					0.03
69.583	0.00	0.01	0.011	0					0.03
69.667	0.00	0.01	0.011	0					0.03
69.750	0.00	0.01	0.011	0					0.03
69.833	0.00	0.01	0.011	0					0.03
69.917	0.00	0.01	0.011	0					0.03
70.000	0.00	0.01	0.011	0					0.03
70.083	0.00	0.01	0.011	0					0.03
70.167	0.00	0.01	0.010	0					0.03
70.250	0.00	0.01	0.010	0					0.03
70.333	0.00	0.01	0.010	0					0.03
70.417	0.00	0.01	0.010	0					0.03
70.500	0.00	0.01	0.010	0					0.03
70.583	0.00	0.01	0.010	0					0.03
70.667	0.00	0.01	0.010	0					0.03
70.750	0.00	0.01	0.010	0					0.03
70.833	0.00	0.01	0.010	0					0.03
70.917	0.00	0.01	0.010	0					0.03
71.000	0.00	0.01	0.010	0					0.03
71.083	0.00	0.01	0.010	0					0.03
71.167	0.00	0.01	0.010	0					0.03
71.250	0.00	0.01	0.010	0					0.03
71.333	0.00	0.01	0.010	0					0.03
71.417	0.00	0.01	0.010	0					0.03
71.500	0.00	0.01	0.009	0					0.03
71.583	0.00	0.01	0.009	0					0.03
71.667	0.00	0.01	0.009	0					0.03
71.750	0.00	0.01	0.009	0					0.03
71.833	0.00	0.01	0.009	0					0.03
71.917	0.00	0.01	0.009	0					0.03
72.000	0.00	0.01	0.009	0					0.03
72.083	0.00	0.01	0.009	0					0.03

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

72.167	0.00	0.01	0.009	0					0.03
72.250	0.00	0.01	0.009	0					0.02
72.333	0.00	0.01	0.009	0					0.02
72.417	0.00	0.01	0.009	0					0.02
72.500	0.00	0.01	0.009	0					0.02
72.583	0.00	0.01	0.009	0					0.02
72.667	0.00	0.01	0.009	0					0.02
72.750	0.00	0.01	0.009	0					0.02
72.833	0.00	0.01	0.009	0					0.02
72.917	0.00	0.01	0.009	0					0.02
73.000	0.00	0.01	0.008	0					0.02
73.083	0.00	0.01	0.008	0					0.02
73.167	0.00	0.01	0.008	0					0.02
73.250	0.00	0.01	0.008	0					0.02
73.333	0.00	0.01	0.008	0					0.02
73.417	0.00	0.01	0.008	0					0.02
73.500	0.00	0.01	0.008	0					0.02
73.583	0.00	0.01	0.008	0					0.02
73.667	0.00	0.01	0.008	0					0.02
73.750	0.00	0.01	0.008	0					0.02
73.833	0.00	0.01	0.008	0					0.02
73.917	0.00	0.01	0.008	0					0.02
74.000	0.00	0.01	0.008	0					0.02
74.083	0.00	0.01	0.008	0					0.02
74.167	0.00	0.01	0.008	0					0.02
74.250	0.00	0.01	0.008	0					0.02
74.333	0.00	0.01	0.008	0					0.02
74.417	0.00	0.01	0.008	0					0.02
74.500	0.00	0.01	0.008	0					0.02
74.583	0.00	0.01	0.008	0					0.02
74.667	0.00	0.01	0.007	0					0.02
74.750	0.00	0.01	0.007	0					0.02
74.833	0.00	0.01	0.007	0					0.02
74.917	0.00	0.01	0.007	0					0.02
75.000	0.00	0.01	0.007	0					0.02
75.083	0.00	0.01	0.007	0					0.02
75.167	0.00	0.01	0.007	0					0.02
75.250	0.00	0.01	0.007	0					0.02
75.333	0.00	0.01	0.007	0					0.02
75.417	0.00	0.01	0.007	0					0.02
75.500	0.00	0.01	0.007	0					0.02
75.583	0.00	0.01	0.007	0					0.02
75.667	0.00	0.01	0.007	0					0.02
75.750	0.00	0.01	0.007	0					0.02
75.833	0.00	0.01	0.007	0					0.02
75.917	0.00	0.01	0.007	0					0.02
76.000	0.00	0.01	0.007	0					0.02
76.083	0.00	0.01	0.007	0					0.02
76.167	0.00	0.01	0.007	0					0.02
76.250	0.00	0.01	0.007	0					0.02
76.333	0.00	0.01	0.007	0					0.02
76.417	0.00	0.01	0.007	0					0.02
76.500	0.00	0.01	0.007	0					0.02
76.583	0.00	0.01	0.007	0					0.02
76.667	0.00	0.01	0.006	0					0.02
76.750	0.00	0.01	0.006	0					0.02
76.833	0.00	0.01	0.006	0					0.02
76.917	0.00	0.01	0.006	0					0.02
77.000	0.00	0.01	0.006	0					0.02
77.083	0.00	0.01	0.006	0					0.02
77.167	0.00	0.01	0.006	0					0.02
77.250	0.00	0.01	0.006	0					0.02
77.333	0.00	0.01	0.006	0					0.02
77.417	0.00	0.01	0.006	0					0.02
77.500	0.00	0.01	0.006	0					0.02
77.583	0.00	0.01	0.006	0					0.02
77.667	0.00	0.01	0.006	0					0.02
77.750	0.00	0.01	0.006	0					0.02
77.833	0.00	0.01	0.006	0					0.02
77.917	0.00	0.01	0.006	0					0.02
78.000	0.00	0.01	0.006	0					0.02
78.083	0.00	0.01	0.006	0					0.02

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

78.167	0.00	0.01	0.006	0					0.02
78.250	0.00	0.01	0.006	0					0.02
78.333	0.00	0.01	0.006	0					0.02
78.417	0.00	0.01	0.006	0					0.02
78.500	0.00	0.01	0.006	0					0.02
78.583	0.00	0.00	0.006	0					0.02
78.667	0.00	0.00	0.006	0					0.02
78.750	0.00	0.00	0.006	0					0.02
78.833	0.00	0.00	0.006	0					0.02
78.917	0.00	0.00	0.005	0					0.02
79.000	0.00	0.00	0.005	0					0.02
79.083	0.00	0.00	0.005	0					0.02
79.167	0.00	0.00	0.005	0					0.01
79.250	0.00	0.00	0.005	0					0.01
79.333	0.00	0.00	0.005	0					0.01
79.417	0.00	0.00	0.005	0					0.01
79.500	0.00	0.00	0.005	0					0.01
79.583	0.00	0.00	0.005	0					0.01
79.667	0.00	0.00	0.005	0					0.01
79.750	0.00	0.00	0.005	0					0.01
79.833	0.00	0.00	0.005	0					0.01
79.917	0.00	0.00	0.005	0					0.01
80.000	0.00	0.00	0.005	0					0.01
80.083	0.00	0.00	0.005	0					0.01
80.167	0.00	0.00	0.005	0					0.01
80.250	0.00	0.00	0.005	0					0.01
80.333	0.00	0.00	0.005	0					0.01
80.417	0.00	0.00	0.005	0					0.01
80.500	0.00	0.00	0.005	0					0.01
80.583	0.00	0.00	0.005	0					0.01
80.667	0.00	0.00	0.005	0					0.01
80.750	0.00	0.00	0.005	0					0.01
80.833	0.00	0.00	0.005	0					0.01
80.917	0.00	0.00	0.005	0					0.01
81.000	0.00	0.00	0.005	0					0.01
81.083	0.00	0.00	0.005	0					0.01
81.167	0.00	0.00	0.005	0					0.01
81.250	0.00	0.00	0.005	0					0.01
81.333	0.00	0.00	0.005	0					0.01
81.417	0.00	0.00	0.005	0					0.01
81.500	0.00	0.00	0.005	0					0.01
81.583	0.00	0.00	0.005	0					0.01
81.667	0.00	0.00	0.004	0					0.01
81.750	0.00	0.00	0.004	0					0.01
81.833	0.00	0.00	0.004	0					0.01
81.917	0.00	0.00	0.004	0					0.01
82.000	0.00	0.00	0.004	0					0.01
82.083	0.00	0.00	0.004	0					0.01
82.167	0.00	0.00	0.004	0					0.01
82.250	0.00	0.00	0.004	0					0.01
82.333	0.00	0.00	0.004	0					0.01
82.417	0.00	0.00	0.004	0					0.01
82.500	0.00	0.00	0.004	0					0.01
82.583	0.00	0.00	0.004	0					0.01
82.667	0.00	0.00	0.004	0					0.01
82.750	0.00	0.00	0.004	0					0.01
82.833	0.00	0.00	0.004	0					0.01
82.917	0.00	0.00	0.004	0					0.01
83.000	0.00	0.00	0.004	0					0.01
83.083	0.00	0.00	0.004	0					0.01
83.167	0.00	0.00	0.004	0					0.01
83.250	0.00	0.00	0.004	0					0.01
83.333	0.00	0.00	0.004	0					0.01
83.417	0.00	0.00	0.004	0					0.01
83.500	0.00	0.00	0.004	0					0.01
83.583	0.00	0.00	0.004	0					0.01
83.667	0.00	0.00	0.004	0					0.01
83.750	0.00	0.00	0.004	0					0.01
83.833	0.00	0.00	0.004	0					0.01
83.917	0.00	0.00	0.004	0					0.01
84.000	0.00	0.00	0.004	0					0.01
84.083	0.00	0.00	0.004	0					0.01

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

84.167	0.00	0.00	0.004	0					0.01
84.250	0.00	0.00	0.004	0					0.01
84.333	0.00	0.00	0.004	0					0.01
84.417	0.00	0.00	0.004	0					0.01
84.500	0.00	0.00	0.004	0					0.01
84.583	0.00	0.00	0.004	0					0.01
84.667	0.00	0.00	0.004	0					0.01
84.750	0.00	0.00	0.004	0					0.01
84.833	0.00	0.00	0.004	0					0.01
84.917	0.00	0.00	0.004	0					0.01
85.000	0.00	0.00	0.004	0					0.01
85.083	0.00	0.00	0.003	0					0.01
85.167	0.00	0.00	0.003	0					0.01
85.250	0.00	0.00	0.003	0					0.01
85.333	0.00	0.00	0.003	0					0.01
85.417	0.00	0.00	0.003	0					0.01
85.500	0.00	0.00	0.003	0					0.01
85.583	0.00	0.00	0.003	0					0.01
85.667	0.00	0.00	0.003	0					0.01
85.750	0.00	0.00	0.003	0					0.01
85.833	0.00	0.00	0.003	0					0.01
85.917	0.00	0.00	0.003	0					0.01
86.000	0.00	0.00	0.003	0					0.01
86.083	0.00	0.00	0.003	0					0.01
86.167	0.00	0.00	0.003	0					0.01
86.250	0.00	0.00	0.003	0					0.01
86.333	0.00	0.00	0.003	0					0.01
86.417	0.00	0.00	0.003	0					0.01
86.500	0.00	0.00	0.003	0					0.01
86.583	0.00	0.00	0.003	0					0.01
86.667	0.00	0.00	0.003	0					0.01
86.750	0.00	0.00	0.003	0					0.01
86.833	0.00	0.00	0.003	0					0.01
86.917	0.00	0.00	0.003	0					0.01
87.000	0.00	0.00	0.003	0					0.01
87.083	0.00	0.00	0.003	0					0.01
87.167	0.00	0.00	0.003	0					0.01
87.250	0.00	0.00	0.003	0					0.01
87.333	0.00	0.00	0.003	0					0.01
87.417	0.00	0.00	0.003	0					0.01
87.500	0.00	0.00	0.003	0					0.01
87.583	0.00	0.00	0.003	0					0.01
87.667	0.00	0.00	0.003	0					0.01
87.750	0.00	0.00	0.003	0					0.01
87.833	0.00	0.00	0.003	0					0.01
87.917	0.00	0.00	0.003	0					0.01
88.000	0.00	0.00	0.003	0					0.01
88.083	0.00	0.00	0.003	0					0.01
88.167	0.00	0.00	0.003	0					0.01
88.250	0.00	0.00	0.003	0					0.01
88.333	0.00	0.00	0.003	0					0.01
88.417	0.00	0.00	0.003	0					0.01
88.500	0.00	0.00	0.003	0					0.01
88.583	0.00	0.00	0.003	0					0.01
88.667	0.00	0.00	0.003	0					0.01
88.750	0.00	0.00	0.003	0					0.01
88.833	0.00	0.00	0.003	0					0.01
88.917	0.00	0.00	0.003	0					0.01
89.000	0.00	0.00	0.003	0					0.01
89.083	0.00	0.00	0.003	0					0.01
89.167	0.00	0.00	0.003	0					0.01
89.250	0.00	0.00	0.003	0					0.01
89.333	0.00	0.00	0.003	0					0.01
89.417	0.00	0.00	0.003	0					0.01
89.500	0.00	0.00	0.003	0					0.01
89.583	0.00	0.00	0.003	0					0.01
89.667	0.00	0.00	0.002	0					0.01
89.750	0.00	0.00	0.002	0					0.01
89.833	0.00	0.00	0.002	0					0.01
89.917	0.00	0.00	0.002	0					0.01
90.000	0.00	0.00	0.002	0					0.01
90.083	0.00	0.00	0.002	0					0.01

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

90.167	0.00	0.00	0.002	0					0.01
90.250	0.00	0.00	0.002	0					0.01
90.333	0.00	0.00	0.002	0					0.01
90.417	0.00	0.00	0.002	0					0.01
90.500	0.00	0.00	0.002	0					0.01
90.583	0.00	0.00	0.002	0					0.01
90.667	0.00	0.00	0.002	0					0.01
90.750	0.00	0.00	0.002	0					0.01
90.833	0.00	0.00	0.002	0					0.01
90.917	0.00	0.00	0.002	0					0.01
91.000	0.00	0.00	0.002	0					0.01
91.083	0.00	0.00	0.002	0					0.01
91.167	0.00	0.00	0.002	0					0.01
91.250	0.00	0.00	0.002	0					0.01
91.333	0.00	0.00	0.002	0					0.01
91.417	0.00	0.00	0.002	0					0.01
91.500	0.00	0.00	0.002	0					0.01
91.583	0.00	0.00	0.002	0					0.01
91.667	0.00	0.00	0.002	0					0.01
91.750	0.00	0.00	0.002	0					0.01
91.833	0.00	0.00	0.002	0					0.01
91.917	0.00	0.00	0.002	0					0.01
92.000	0.00	0.00	0.002	0					0.01
92.083	0.00	0.00	0.002	0					0.01
92.167	0.00	0.00	0.002	0					0.01
92.250	0.00	0.00	0.002	0					0.01
92.333	0.00	0.00	0.002	0					0.01
92.417	0.00	0.00	0.002	0					0.01
92.500	0.00	0.00	0.002	0					0.01
92.583	0.00	0.00	0.002	0					0.01
92.667	0.00	0.00	0.002	0					0.01
92.750	0.00	0.00	0.002	0					0.01
92.833	0.00	0.00	0.002	0					0.01
92.917	0.00	0.00	0.002	0					0.01
93.000	0.00	0.00	0.002	0					0.01
93.083	0.00	0.00	0.002	0					0.01
93.167	0.00	0.00	0.002	0					0.01
93.250	0.00	0.00	0.002	0					0.01
93.333	0.00	0.00	0.002	0					0.01
93.417	0.00	0.00	0.002	0					0.01
93.500	0.00	0.00	0.002	0					0.01
93.583	0.00	0.00	0.002	0					0.01
93.667	0.00	0.00	0.002	0					0.01
93.750	0.00	0.00	0.002	0					0.01
93.833	0.00	0.00	0.002	0					0.01
93.917	0.00	0.00	0.002	0					0.01
94.000	0.00	0.00	0.002	0					0.01
94.083	0.00	0.00	0.002	0					0.01
94.167	0.00	0.00	0.002	0					0.00
94.250	0.00	0.00	0.002	0					0.00
94.333	0.00	0.00	0.002	0					0.00
94.417	0.00	0.00	0.002	0					0.00
94.500	0.00	0.00	0.002	0					0.00
94.583	0.00	0.00	0.002	0					0.00
94.667	0.00	0.00	0.002	0					0.00
94.750	0.00	0.00	0.002	0					0.00
94.833	0.00	0.00	0.002	0					0.00
94.917	0.00	0.00	0.002	0					0.00
95.000	0.00	0.00	0.002	0					0.00
95.083	0.00	0.00	0.002	0					0.00
95.167	0.00	0.00	0.002	0					0.00
95.250	0.00	0.00	0.002	0					0.00
95.333	0.00	0.00	0.002	0					0.00
95.417	0.00	0.00	0.002	0					0.00
95.500	0.00	0.00	0.002	0					0.00
95.583	0.00	0.00	0.002	0					0.00
95.667	0.00	0.00	0.002	0					0.00
95.750	0.00	0.00	0.002	0					0.00
95.833	0.00	0.00	0.002	0					0.00
95.917	0.00	0.00	0.002	0					0.00
96.000	0.00	0.00	0.002	0					0.00
96.083	0.00	0.00	0.002	0					0.00

Glen Ivy Senior Living

ATTACHMENT D – Detention Basin Routing

96.167	0.00	0.00	0.002	0					0.00
96.250	0.00	0.00	0.002	0					0.00
96.333	0.00	0.00	0.002	0					0.00
96.417	0.00	0.00	0.002	0					0.00
96.500	0.00	0.00	0.002	0					0.00
96.583	0.00	0.00	0.001	0					0.00
96.667	0.00	0.00	0.001	0					0.00
96.750	0.00	0.00	0.001	0					0.00
96.833	0.00	0.00	0.001	0					0.00
96.917	0.00	0.00	0.001	0					0.00
97.000	0.00	0.00	0.001	0					0.00
97.083	0.00	0.00	0.001	0					0.00
97.167	0.00	0.00	0.001	0					0.00
97.250	0.00	0.00	0.001	0					0.00
97.333	0.00	0.00	0.001	0					0.00
97.417	0.00	0.00	0.001	0					0.00
97.500	0.00	0.00	0.001	0					0.00
97.583	0.00	0.00	0.001	0					0.00
97.667	0.00	0.00	0.001	0					0.00
97.750	0.00	0.00	0.001	0					0.00
97.833	0.00	0.00	0.001	0					0.00
97.917	0.00	0.00	0.001	0					0.00
98.000	0.00	0.00	0.001	0					0.00
98.083	0.00	0.00	0.001	0					0.00
98.167	0.00	0.00	0.001	0					0.00
98.250	0.00	0.00	0.001	0					0.00
98.333	0.00	0.00	0.001	0					0.00
98.417	0.00	0.00	0.001	0					0.00
98.500	0.00	0.00	0.001	0					0.00
98.583	0.00	0.00	0.001	0					0.00
98.667	0.00	0.00	0.001	0					0.00
98.750	0.00	0.00	0.001	0					0.00
98.833	0.00	0.00	0.001	0					0.00
98.917	0.00	0.00	0.001	0					0.00
99.000	0.00	0.00	0.001	0					0.00
99.083	0.00	0.00	0.001	0					0.00
99.167	0.00	0.00	0.001	0					0.00
99.250	0.00	0.00	0.001	0					0.00
99.333	0.00	0.00	0.001	0					0.00
99.417	0.00	0.00	0.001	0					0.00
99.500	0.00	0.00	0.001	0					0.00
99.583	0.00	0.00	0.001	0					0.00
99.667	0.00	0.00	0.001	0					0.00
99.750	0.00	0.00	0.001	0					0.00
99.833	0.00	0.00	0.001	0					0.00
99.917	0.00	0.00	0.001	0					0.00
100.000	0.00	0.00	0.001	0					0.00
100.083	0.00	0.00	0.001	0					0.00
100.167	0.00	0.00	0.001	0					0.00
100.250	0.00	0.00	0.001	0					0.00
100.333	0.00	0.00	0.001	0					0.00
100.417	0.00	0.00	0.001	0					0.00
100.500	0.00	0.00	0.001	0					0.00

Remaining water in basin = 0.00 (Ac.Ft)

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*****HYDROGRAPH DATA*****
      Number of intervals = 1206
      Time interval = 5.0 (Min.)
      Maximum/Peak flow rate = 0.584 (CFS)
      Total volume = 1.124 (Ac.Ft)
      Status of hydrographs being held in storage
      Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
      Peak (CFS) 0.000 0.000 0.000 0.000 0.000
      Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000
*****

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Glen Ivy Senior Living

ATTACHMENT D – Detention Basin Routing

FLOOD HYDROGRAPH ROUTING PROGRAM
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 Study date: 08/18/20

 Program License Serial Number 4029

***** HYDROGRAPH INFORMATION *****

From study/file name: sh100pr3100.rte
 *****HYDROGRAPH DATA*****
 Number of intervals = 39
 Time interval = 5.0 (Min.)
 Maximum/Peak flow rate = 19.747 (CFS)
 Total volume = 1.747 (Ac.Ft)
 Status of hydrographs being held in storage
 Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
 Peak (CFS) 0.000 0.000 0.000 0.000 0.000
 Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
 Process from Point/Station 10.000 to Point/Station 11.000
 **** RETARDING BASIN ROUTING ****

 User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 39
 Hydrograph time unit = 5.000 (Min.)
 Initial depth in storage basin = 0.00 (Ft.)

Initial basin depth = 0.00 (Ft.)
 Initial basin storage = 0.00 (Ac.Ft)
 Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.360	0.320	0.359	0.361
2.000	0.810	0.460	0.808	0.812
3.000	1.310	0.680	1.308	1.312
4.000	1.860	0.880	1.857	1.863
5.000	2.470	6.320	2.448	2.492
6.000	3.140	16.140	3.084	3.196

 Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time	Inflow	Outflow	Storage	Depth
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Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

(Hours)	(CFS)	(CFS)	(Ac.Ft)	.0	4.9	9.87	14.81	19.75	(Ft.)
0.083	1.38	0.00	0.005	O I					0.01
0.167	2.69	0.02	0.019	O I					0.05
0.250	2.72	0.03	0.037	O I					0.10
0.333	3.09	0.05	0.057	O I					0.16
0.417	3.50	0.07	0.079	O I					0.22
0.500	3.93	0.09	0.104	O I					0.29
0.583	3.96	0.12	0.131	O I					0.36
0.667	4.04	0.14	0.157	O I					0.44
0.750	4.35	0.16	0.185	O I					0.51
0.833	4.03	0.19	0.213	O I					0.59
0.917	3.83	0.21	0.238	O I					0.66
1.000	4.12	0.23	0.264	O I					0.73
1.083	4.82	0.26	0.293	O I					0.81
1.167	5.34	0.29	0.326	O I					0.91
1.250	5.45	0.32	0.362	O I					1.00
1.333	5.25	0.33	0.396	O I					1.08
1.417	5.74	0.34	0.432	O I					1.16
1.500	6.51	0.35	0.471	O I					1.25
1.583	6.38	0.37	0.513	O I					1.34
1.667	6.48	0.38	0.555	O I					1.43
1.750	7.49	0.39	0.600	O I					1.53
1.833	7.97	0.41	0.651	O I					1.65
1.917	7.67	0.43	0.702	O I					1.76
2.000	7.58	0.44	0.751	O I					1.87
2.083	7.75	0.46	0.801	O I					1.98
2.167	9.19	0.48	0.856	O I					2.09
2.250	11.45	0.51	0.924	O I					2.23
2.333	10.82	0.54	0.997	O I					2.37
2.417	13.36	0.58	1.076	O I					2.53
2.500	17.50	0.62	1.179	O I			I		2.74
2.583	19.75	0.68	1.302	O I			I	I	2.98
2.667	18.48	0.72	1.429	O I			I	I	3.22
2.750	11.41	0.76	1.527	O I		I			3.39
2.833	6.26	0.78	1.583	O I	I				3.50
2.917	4.90	0.79	1.616	O I	I				3.56
3.000	3.05	0.80	1.637	O I	I				3.60
3.083	1.11	0.80	1.646	O I					3.61
3.167	0.29	0.80	1.646	O I					3.61
3.250	0.05	0.80	1.641	O I					3.60
3.333	0.00	0.80	1.636	O I					3.59
3.417	0.00	0.80	1.630	O I					3.58
3.500	0.00	0.79	1.625	O I					3.57
3.583	0.00	0.79	1.619	O I					3.56
3.667	0.00	0.79	1.614	O I					3.55
3.750	0.00	0.79	1.609	O I					3.54
3.833	0.00	0.79	1.603	O I					3.53
3.917	0.00	0.78	1.598	O I					3.52
4.000	0.00	0.78	1.592	O I					3.51
4.083	0.00	0.78	1.587	O I					3.50
4.167	0.00	0.78	1.582	O I					3.49
4.250	0.00	0.78	1.576	O I					3.48
4.333	0.00	0.77	1.571	O I					3.47
4.417	0.00	0.77	1.566	O I					3.46
4.500	0.00	0.77	1.560	O I					3.45
4.583	0.00	0.77	1.555	O I					3.45
4.667	0.00	0.77	1.550	O I					3.44
4.750	0.00	0.77	1.544	O I					3.43
4.833	0.00	0.76	1.539	O I					3.42
4.917	0.00	0.76	1.534	O I					3.41
5.000	0.00	0.76	1.529	O I					3.40
5.083	0.00	0.76	1.523	O I					3.39
5.167	0.00	0.76	1.518	O I					3.38
5.250	0.00	0.75	1.513	O I					3.37
5.333	0.00	0.75	1.508	O I					3.36
5.417	0.00	0.75	1.503	O I					3.35
5.500	0.00	0.75	1.497	O I					3.34
5.583	0.00	0.75	1.492	O I					3.33
5.667	0.00	0.74	1.487	O I					3.32
5.750	0.00	0.74	1.482	O I					3.31
5.833	0.00	0.74	1.477	O I					3.30
5.917	0.00	0.74	1.472	O I					3.29

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

6.000	0.00	0.74	1.467	IO					3.29
6.083	0.00	0.74	1.462	IO					3.28
6.167	0.00	0.73	1.457	IO					3.27
6.250	0.00	0.73	1.452	IO					3.26
6.333	0.00	0.73	1.447	IO					3.25
6.417	0.00	0.73	1.442	IO					3.24
6.500	0.00	0.73	1.437	IO					3.23
6.583	0.00	0.72	1.432	IO					3.22
6.667	0.00	0.72	1.427	IO					3.21
6.750	0.00	0.72	1.422	IO					3.20
6.833	0.00	0.72	1.417	IO					3.19
6.917	0.00	0.72	1.412	IO					3.18
7.000	0.00	0.72	1.407	IO					3.18
7.083	0.00	0.71	1.402	IO					3.17
7.167	0.00	0.71	1.397	IO					3.16
7.250	0.00	0.71	1.392	IO					3.15
7.333	0.00	0.71	1.387	IO					3.14
7.417	0.00	0.71	1.382	IO					3.13
7.500	0.00	0.70	1.377	IO					3.12
7.583	0.00	0.70	1.373	IO					3.11
7.667	0.00	0.70	1.368	IO					3.11
7.750	0.00	0.70	1.363	IO					3.10
7.833	0.00	0.70	1.358	IO					3.09
7.917	0.00	0.70	1.353	IO					3.08
8.000	0.00	0.69	1.349	IO					3.07
8.083	0.00	0.69	1.344	IO					3.06
8.167	0.00	0.69	1.339	IO					3.05
8.250	0.00	0.69	1.334	IO					3.04
8.333	0.00	0.69	1.330	IO					3.04
8.417	0.00	0.69	1.325	IO					3.03
8.500	0.00	0.68	1.320	IO					3.02
8.583	0.00	0.68	1.315	IO					3.01
8.667	0.00	0.68	1.311	IO					3.00
8.750	0.00	0.68	1.306	IO					2.99
8.833	0.00	0.68	1.301	IO					2.98
8.917	0.00	0.67	1.297	IO					2.97
9.000	0.00	0.67	1.292	IO					2.96
9.083	0.00	0.67	1.287	IO					2.95
9.167	0.00	0.67	1.283	IO					2.95
9.250	0.00	0.67	1.278	IO					2.94
9.333	0.00	0.66	1.274	IO					2.93
9.417	0.00	0.66	1.269	IO					2.92
9.500	0.00	0.66	1.265	IO					2.91
9.583	0.00	0.66	1.260	IO					2.90
9.667	0.00	0.66	1.255	IO					2.89
9.750	0.00	0.65	1.251	IO					2.88
9.833	0.00	0.65	1.246	IO					2.87
9.917	0.00	0.65	1.242	IO					2.86
10.000	0.00	0.65	1.238	IO					2.86
10.083	0.00	0.65	1.233	IO					2.85
10.167	0.00	0.64	1.229	IO					2.84
10.250	0.00	0.64	1.224	IO					2.83
10.333	0.00	0.64	1.220	IO					2.82
10.417	0.00	0.64	1.215	IO					2.81
10.500	0.00	0.64	1.211	IO					2.80
10.583	0.00	0.63	1.207	IO					2.79
10.667	0.00	0.63	1.202	IO					2.78
10.750	0.00	0.63	1.198	IO					2.78
10.833	0.00	0.63	1.194	IO					2.77
10.917	0.00	0.63	1.189	IO					2.76
11.000	0.00	0.62	1.185	IO					2.75
11.083	0.00	0.62	1.181	IO					2.74
11.167	0.00	0.62	1.176	IO					2.73
11.250	0.00	0.62	1.172	IO					2.72
11.333	0.00	0.62	1.168	IO					2.72
11.417	0.00	0.62	1.164	O					2.71
11.500	0.00	0.61	1.159	O					2.70
11.583	0.00	0.61	1.155	O					2.69
11.667	0.00	0.61	1.151	O					2.68
11.750	0.00	0.61	1.147	O					2.67
11.833	0.00	0.61	1.143	O					2.67
11.917	0.00	0.60	1.138	O					2.66

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

12.000	0.00	0.60	1.134	0					2.65
12.083	0.00	0.60	1.130	0					2.64
12.167	0.00	0.60	1.126	0					2.63
12.250	0.00	0.60	1.122	0					2.62
12.333	0.00	0.60	1.118	0					2.62
12.417	0.00	0.59	1.114	0					2.61
12.500	0.00	0.59	1.110	0					2.60
12.583	0.00	0.59	1.105	0					2.59
12.667	0.00	0.59	1.101	0					2.58
12.750	0.00	0.59	1.097	0					2.57
12.833	0.00	0.58	1.093	0					2.57
12.917	0.00	0.58	1.089	0					2.56
13.000	0.00	0.58	1.085	0					2.55
13.083	0.00	0.58	1.081	0					2.54
13.167	0.00	0.58	1.077	0					2.53
13.250	0.00	0.58	1.073	0					2.53
13.333	0.00	0.57	1.069	0					2.52
13.417	0.00	0.57	1.065	0					2.51
13.500	0.00	0.57	1.061	0					2.50
13.583	0.00	0.57	1.058	0					2.50
13.667	0.00	0.57	1.054	0					2.49
13.750	0.00	0.57	1.050	0					2.48
13.833	0.00	0.56	1.046	0					2.47
13.917	0.00	0.56	1.042	0					2.46
14.000	0.00	0.56	1.038	0					2.46
14.083	0.00	0.56	1.034	0					2.45
14.167	0.00	0.56	1.030	0					2.44
14.250	0.00	0.56	1.027	0					2.43
14.333	0.00	0.55	1.023	0					2.43
14.417	0.00	0.55	1.019	0					2.42
14.500	0.00	0.55	1.015	0					2.41
14.583	0.00	0.55	1.011	0					2.40
14.667	0.00	0.55	1.008	0					2.40
14.750	0.00	0.55	1.004	0					2.39
14.833	0.00	0.54	1.000	0					2.38
14.917	0.00	0.54	0.996	0					2.37
15.000	0.00	0.54	0.993	0					2.37
15.083	0.00	0.54	0.989	0					2.36
15.167	0.00	0.54	0.985	0					2.35
15.250	0.00	0.54	0.982	0					2.34
15.333	0.00	0.53	0.978	0					2.34
15.417	0.00	0.53	0.974	0					2.33
15.500	0.00	0.53	0.971	0					2.32
15.583	0.00	0.53	0.967	0					2.31
15.667	0.00	0.53	0.963	0					2.31
15.750	0.00	0.53	0.960	0					2.30
15.833	0.00	0.52	0.956	0					2.29
15.917	0.00	0.52	0.952	0					2.28
16.000	0.00	0.52	0.949	0					2.28
16.083	0.00	0.52	0.945	0					2.27
16.167	0.00	0.52	0.942	0					2.26
16.250	0.00	0.52	0.938	0					2.26
16.333	0.00	0.51	0.935	0					2.25
16.417	0.00	0.51	0.931	0					2.24
16.500	0.00	0.51	0.927	0					2.23
16.583	0.00	0.51	0.924	0					2.23
16.667	0.00	0.51	0.920	0					2.22
16.750	0.00	0.51	0.917	0					2.21
16.833	0.00	0.51	0.913	0					2.21
16.917	0.00	0.50	0.910	0					2.20
17.000	0.00	0.50	0.906	0					2.19
17.083	0.00	0.50	0.903	0					2.19
17.167	0.00	0.50	0.900	0					2.18
17.250	0.00	0.50	0.896	0					2.17
17.333	0.00	0.50	0.893	0					2.17
17.417	0.00	0.49	0.889	0					2.16
17.500	0.00	0.49	0.886	0					2.15
17.583	0.00	0.49	0.883	0					2.15
17.667	0.00	0.49	0.879	0					2.14
17.750	0.00	0.49	0.876	0					2.13
17.833	0.00	0.49	0.872	0					2.12
17.917	0.00	0.49	0.869	0					2.12

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

18.000	0.00	0.48	0.866	0					2.11
18.083	0.00	0.48	0.862	0					2.10
18.167	0.00	0.48	0.859	0					2.10
18.250	0.00	0.48	0.856	0					2.09
18.333	0.00	0.48	0.852	0					2.08
18.417	0.00	0.48	0.849	0					2.08
18.500	0.00	0.48	0.846	0					2.07
18.583	0.00	0.47	0.843	0					2.07
18.667	0.00	0.47	0.839	0					2.06
18.750	0.00	0.47	0.836	0					2.05
18.833	0.00	0.47	0.833	0					2.05
18.917	0.00	0.47	0.830	0					2.04
19.000	0.00	0.47	0.826	0					2.03
19.083	0.00	0.47	0.823	0					2.03
19.167	0.00	0.46	0.820	0					2.02
19.250	0.00	0.46	0.817	0					2.01
19.333	0.00	0.46	0.814	0					2.01
19.417	0.00	0.46	0.810	0					2.00
19.500	0.00	0.46	0.807	0					1.99
19.583	0.00	0.46	0.804	0					1.99
19.667	0.00	0.46	0.801	0					1.98
19.750	0.00	0.46	0.798	0					1.97
19.833	0.00	0.46	0.795	0					1.97
19.917	0.00	0.45	0.792	0					1.96
20.000	0.00	0.45	0.788	0					1.95
20.083	0.00	0.45	0.785	0					1.95
20.167	0.00	0.45	0.782	0					1.94
20.250	0.00	0.45	0.779	0					1.93
20.333	0.00	0.45	0.776	0					1.92
20.417	0.00	0.45	0.773	0					1.92
20.500	0.00	0.45	0.770	0					1.91
20.583	0.00	0.45	0.767	0					1.90
20.667	0.00	0.45	0.764	0					1.90
20.750	0.00	0.44	0.761	0					1.89
20.833	0.00	0.44	0.758	0					1.88
20.917	0.00	0.44	0.754	0					1.88
21.000	0.00	0.44	0.751	0					1.87
21.083	0.00	0.44	0.748	0					1.86
21.167	0.00	0.44	0.745	0					1.86
21.250	0.00	0.44	0.742	0					1.85
21.333	0.00	0.44	0.739	0					1.84
21.417	0.00	0.44	0.736	0					1.84
21.500	0.00	0.44	0.733	0					1.83
21.583	0.00	0.44	0.730	0					1.82
21.667	0.00	0.43	0.727	0					1.82
21.750	0.00	0.43	0.724	0					1.81
21.833	0.00	0.43	0.721	0					1.80
21.917	0.00	0.43	0.718	0					1.80
22.000	0.00	0.43	0.715	0					1.79
22.083	0.00	0.43	0.712	0					1.78
22.167	0.00	0.43	0.709	0					1.78
22.250	0.00	0.43	0.707	0					1.77
22.333	0.00	0.43	0.704	0					1.76
22.417	0.00	0.43	0.701	0					1.76
22.500	0.00	0.43	0.698	0					1.75
22.583	0.00	0.42	0.695	0					1.74
22.667	0.00	0.42	0.692	0					1.74
22.750	0.00	0.42	0.689	0					1.73
22.833	0.00	0.42	0.686	0					1.72
22.917	0.00	0.42	0.683	0					1.72
23.000	0.00	0.42	0.680	0					1.71
23.083	0.00	0.42	0.677	0					1.71
23.167	0.00	0.42	0.674	0					1.70
23.250	0.00	0.42	0.672	0					1.69
23.333	0.00	0.42	0.669	0					1.69
23.417	0.00	0.42	0.666	0					1.68
23.500	0.00	0.41	0.663	0					1.67
23.583	0.00	0.41	0.660	0					1.67
23.667	0.00	0.41	0.657	0					1.66
23.750	0.00	0.41	0.654	0					1.65
23.833	0.00	0.41	0.652	0					1.65
23.917	0.00	0.41	0.649	0					1.64

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

24.000	0.00	0.41	0.646	O					1.64
24.083	0.00	0.41	0.643	O					1.63
24.167	0.00	0.41	0.640	O					1.62
24.250	0.00	0.41	0.638	O					1.62
24.333	0.00	0.41	0.635	O					1.61
24.417	0.00	0.40	0.632	O					1.60
24.500	0.00	0.40	0.629	O					1.60
24.583	0.00	0.40	0.626	O					1.59
24.667	0.00	0.40	0.624	O					1.59
24.750	0.00	0.40	0.621	O					1.58
24.833	0.00	0.40	0.618	O					1.57
24.917	0.00	0.40	0.615	O					1.57
25.000	0.00	0.40	0.613	O					1.56
25.083	0.00	0.40	0.610	O					1.56
25.167	0.00	0.40	0.607	O					1.55
25.250	0.00	0.40	0.604	O					1.54
25.333	0.00	0.40	0.602	O					1.54
25.417	0.00	0.39	0.599	O					1.53
25.500	0.00	0.39	0.596	O					1.53
25.583	0.00	0.39	0.594	O					1.52
25.667	0.00	0.39	0.591	O					1.51
25.750	0.00	0.39	0.588	O					1.51
25.833	0.00	0.39	0.585	O					1.50
25.917	0.00	0.39	0.583	O					1.50
26.000	0.00	0.39	0.580	O					1.49
26.083	0.00	0.39	0.577	O					1.48
26.167	0.00	0.39	0.575	O					1.48
26.250	0.00	0.39	0.572	O					1.47
26.333	0.00	0.39	0.569	O					1.47
26.417	0.00	0.38	0.567	O					1.46
26.500	0.00	0.38	0.564	O					1.45
26.583	0.00	0.38	0.562	O					1.45
26.667	0.00	0.38	0.559	O					1.44
26.750	0.00	0.38	0.556	O					1.44
26.833	0.00	0.38	0.554	O					1.43
26.917	0.00	0.38	0.551	O					1.42
27.000	0.00	0.38	0.548	O					1.42
27.083	0.00	0.38	0.546	O					1.41
27.167	0.00	0.38	0.543	O					1.41
27.250	0.00	0.38	0.541	O					1.40
27.333	0.00	0.38	0.538	O					1.40
27.417	0.00	0.37	0.535	O					1.39
27.500	0.00	0.37	0.533	O					1.38
27.583	0.00	0.37	0.530	O					1.38
27.667	0.00	0.37	0.528	O					1.37
27.750	0.00	0.37	0.525	O					1.37
27.833	0.00	0.37	0.523	O					1.36
27.917	0.00	0.37	0.520	O					1.36
28.000	0.00	0.37	0.518	O					1.35
28.083	0.00	0.37	0.515	O					1.34
28.167	0.00	0.37	0.512	O					1.34
28.250	0.00	0.37	0.510	O					1.33
28.333	0.00	0.37	0.507	O					1.33
28.417	0.00	0.37	0.505	O					1.32
28.500	0.00	0.36	0.502	O					1.32
28.583	0.00	0.36	0.500	O					1.31
28.667	0.00	0.36	0.497	O					1.31
28.750	0.00	0.36	0.495	O					1.30
28.833	0.00	0.36	0.492	O					1.29
28.917	0.00	0.36	0.490	O					1.29
29.000	0.00	0.36	0.487	O					1.28
29.083	0.00	0.36	0.485	O					1.28
29.167	0.00	0.36	0.482	O					1.27
29.250	0.00	0.36	0.480	O					1.27
29.333	0.00	0.36	0.478	O					1.26
29.417	0.00	0.36	0.475	O					1.26
29.500	0.00	0.36	0.473	O					1.25
29.583	0.00	0.35	0.470	O					1.24
29.667	0.00	0.35	0.468	O					1.24
29.750	0.00	0.35	0.465	O					1.23
29.833	0.00	0.35	0.463	O					1.23
29.917	0.00	0.35	0.460	O					1.22

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

30.000	0.00	0.35	0.458	0					1.22
30.083	0.00	0.35	0.456	0					1.21
30.167	0.00	0.35	0.453	0					1.21
30.250	0.00	0.35	0.451	0					1.20
30.333	0.00	0.35	0.448	0					1.20
30.417	0.00	0.35	0.446	0					1.19
30.500	0.00	0.35	0.444	0					1.19
30.583	0.00	0.35	0.441	0					1.18
30.667	0.00	0.34	0.439	0					1.18
30.750	0.00	0.34	0.437	0					1.17
30.833	0.00	0.34	0.434	0					1.16
30.917	0.00	0.34	0.432	0					1.16
31.000	0.00	0.34	0.429	0					1.15
31.083	0.00	0.34	0.427	0					1.15
31.167	0.00	0.34	0.425	0					1.14
31.250	0.00	0.34	0.422	0					1.14
31.333	0.00	0.34	0.420	0					1.13
31.417	0.00	0.34	0.418	0					1.13
31.500	0.00	0.34	0.415	0					1.12
31.583	0.00	0.34	0.413	0					1.12
31.667	0.00	0.34	0.411	0					1.11
31.750	0.00	0.34	0.409	0					1.11
31.833	0.00	0.33	0.406	0					1.10
31.917	0.00	0.33	0.404	0					1.10
32.000	0.00	0.33	0.402	0					1.09
32.083	0.00	0.33	0.399	0					1.09
32.167	0.00	0.33	0.397	0					1.08
32.250	0.00	0.33	0.395	0					1.08
32.333	0.00	0.33	0.392	0					1.07
32.417	0.00	0.33	0.390	0					1.07
32.500	0.00	0.33	0.388	0					1.06
32.583	0.00	0.33	0.386	0					1.06
32.667	0.00	0.33	0.383	0					1.05
32.750	0.00	0.33	0.381	0					1.05
32.833	0.00	0.33	0.379	0					1.04
32.917	0.00	0.33	0.377	0					1.04
33.000	0.00	0.32	0.374	0					1.03
33.083	0.00	0.32	0.372	0					1.03
33.167	0.00	0.32	0.370	0					1.02
33.250	0.00	0.32	0.368	0					1.02
33.333	0.00	0.32	0.366	0					1.01
33.417	0.00	0.32	0.363	0					1.01
33.500	0.00	0.32	0.361	0					1.00
33.583	0.00	0.32	0.359	0					1.00
33.667	0.00	0.32	0.357	0					0.99
33.750	0.00	0.32	0.355	0					0.98
33.833	0.00	0.31	0.352	0					0.98
33.917	0.00	0.31	0.350	0					0.97
34.000	0.00	0.31	0.348	0					0.97
34.083	0.00	0.31	0.346	0					0.96
34.167	0.00	0.31	0.344	0					0.96
34.250	0.00	0.30	0.342	0					0.95
34.333	0.00	0.30	0.340	0					0.94
34.417	0.00	0.30	0.338	0					0.94
34.500	0.00	0.30	0.336	0					0.93
34.583	0.00	0.30	0.333	0					0.93
34.667	0.00	0.29	0.331	0					0.92
34.750	0.00	0.29	0.329	0					0.92
34.833	0.00	0.29	0.327	0					0.91
34.917	0.00	0.29	0.325	0					0.90
35.000	0.00	0.29	0.323	0					0.90
35.083	0.00	0.29	0.321	0					0.89
35.167	0.00	0.28	0.320	0					0.89
35.250	0.00	0.28	0.318	0					0.88
35.333	0.00	0.28	0.316	0					0.88
35.417	0.00	0.28	0.314	0					0.87
35.500	0.00	0.28	0.312	0					0.87
35.583	0.00	0.28	0.310	0					0.86
35.667	0.00	0.27	0.308	0					0.86
35.750	0.00	0.27	0.306	0					0.85
35.833	0.00	0.27	0.304	0					0.85
35.917	0.00	0.27	0.302	0					0.84

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

36.000	0.00	0.27	0.301	0					0.83
36.083	0.00	0.27	0.299	0					0.83
36.167	0.00	0.26	0.297	0					0.82
36.250	0.00	0.26	0.295	0					0.82
36.333	0.00	0.26	0.293	0					0.81
36.417	0.00	0.26	0.291	0					0.81
36.500	0.00	0.26	0.290	0					0.80
36.583	0.00	0.26	0.288	0					0.80
36.667	0.00	0.25	0.286	0					0.79
36.750	0.00	0.25	0.284	0					0.79
36.833	0.00	0.25	0.283	0					0.79
36.917	0.00	0.25	0.281	0					0.78
37.000	0.00	0.25	0.279	0					0.78
37.083	0.00	0.25	0.278	0					0.77
37.167	0.00	0.25	0.276	0					0.77
37.250	0.00	0.24	0.274	0					0.76
37.333	0.00	0.24	0.272	0					0.76
37.417	0.00	0.24	0.271	0					0.75
37.500	0.00	0.24	0.269	0					0.75
37.583	0.00	0.24	0.268	0					0.74
37.667	0.00	0.24	0.266	0					0.74
37.750	0.00	0.23	0.264	0					0.73
37.833	0.00	0.23	0.263	0					0.73
37.917	0.00	0.23	0.261	0					0.73
38.000	0.00	0.23	0.259	0					0.72
38.083	0.00	0.23	0.258	0					0.72
38.167	0.00	0.23	0.256	0					0.71
38.250	0.00	0.23	0.255	0					0.71
38.333	0.00	0.23	0.253	0					0.70
38.417	0.00	0.22	0.252	0					0.70
38.500	0.00	0.22	0.250	0					0.69
38.583	0.00	0.22	0.249	0					0.69
38.667	0.00	0.22	0.247	0					0.69
38.750	0.00	0.22	0.246	0					0.68
38.833	0.00	0.22	0.244	0					0.68
38.917	0.00	0.22	0.243	0					0.67
39.000	0.00	0.21	0.241	0					0.67
39.083	0.00	0.21	0.240	0					0.67
39.167	0.00	0.21	0.238	0					0.66
39.250	0.00	0.21	0.237	0					0.66
39.333	0.00	0.21	0.235	0					0.65
39.417	0.00	0.21	0.234	0					0.65
39.500	0.00	0.21	0.232	0					0.65
39.583	0.00	0.21	0.231	0					0.64
39.667	0.00	0.20	0.230	0					0.64
39.750	0.00	0.20	0.228	0					0.63
39.833	0.00	0.20	0.227	0					0.63
39.917	0.00	0.20	0.225	0					0.63
40.000	0.00	0.20	0.224	0					0.62
40.083	0.00	0.20	0.223	0					0.62
40.167	0.00	0.20	0.221	0					0.61
40.250	0.00	0.20	0.220	0					0.61
40.333	0.00	0.19	0.219	0					0.61
40.417	0.00	0.19	0.217	0					0.60
40.500	0.00	0.19	0.216	0					0.60
40.583	0.00	0.19	0.215	0					0.60
40.667	0.00	0.19	0.213	0					0.59
40.750	0.00	0.19	0.212	0					0.59
40.833	0.00	0.19	0.211	0					0.59
40.917	0.00	0.19	0.209	0					0.58
41.000	0.00	0.19	0.208	0					0.58
41.083	0.00	0.18	0.207	0					0.57
41.167	0.00	0.18	0.206	0					0.57
41.250	0.00	0.18	0.204	0					0.57
41.333	0.00	0.18	0.203	0					0.56
41.417	0.00	0.18	0.202	0					0.56
41.500	0.00	0.18	0.201	0					0.56
41.583	0.00	0.18	0.199	0					0.55
41.667	0.00	0.18	0.198	0					0.55
41.750	0.00	0.18	0.197	0					0.55
41.833	0.00	0.17	0.196	0					0.54
41.917	0.00	0.17	0.195	0					0.54

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

42.000	0.00	0.17	0.193	0					0.54
42.083	0.00	0.17	0.192	0					0.53
42.167	0.00	0.17	0.191	0					0.53
42.250	0.00	0.17	0.190	0					0.53
42.333	0.00	0.17	0.189	0					0.52
42.417	0.00	0.17	0.188	0					0.52
42.500	0.00	0.17	0.186	0					0.52
42.583	0.00	0.16	0.185	0					0.51
42.667	0.00	0.16	0.184	0					0.51
42.750	0.00	0.16	0.183	0					0.51
42.833	0.00	0.16	0.182	0					0.51
42.917	0.00	0.16	0.181	0					0.50
43.000	0.00	0.16	0.180	0					0.50
43.083	0.00	0.16	0.179	0					0.50
43.167	0.00	0.16	0.178	0					0.49
43.250	0.00	0.16	0.176	0					0.49
43.333	0.00	0.16	0.175	0					0.49
43.417	0.00	0.15	0.174	0					0.48
43.500	0.00	0.15	0.173	0					0.48
43.583	0.00	0.15	0.172	0					0.48
43.667	0.00	0.15	0.171	0					0.48
43.750	0.00	0.15	0.170	0					0.47
43.833	0.00	0.15	0.169	0					0.47
43.917	0.00	0.15	0.168	0					0.47
44.000	0.00	0.15	0.167	0					0.46
44.083	0.00	0.15	0.166	0					0.46
44.167	0.00	0.15	0.165	0					0.46
44.250	0.00	0.15	0.164	0					0.46
44.333	0.00	0.14	0.163	0					0.45
44.417	0.00	0.14	0.162	0					0.45
44.500	0.00	0.14	0.161	0					0.45
44.583	0.00	0.14	0.160	0					0.44
44.667	0.00	0.14	0.159	0					0.44
44.750	0.00	0.14	0.158	0					0.44
44.833	0.00	0.14	0.157	0					0.44
44.917	0.00	0.14	0.156	0					0.43
45.000	0.00	0.14	0.155	0					0.43
45.083	0.00	0.14	0.154	0					0.43
45.167	0.00	0.14	0.153	0					0.43
45.250	0.00	0.14	0.152	0					0.42
45.333	0.00	0.13	0.151	0					0.42
45.417	0.00	0.13	0.150	0					0.42
45.500	0.00	0.13	0.150	0					0.42
45.583	0.00	0.13	0.149	0					0.41
45.667	0.00	0.13	0.148	0					0.41
45.750	0.00	0.13	0.147	0					0.41
45.833	0.00	0.13	0.146	0					0.41
45.917	0.00	0.13	0.145	0					0.40
46.000	0.00	0.13	0.144	0					0.40
46.083	0.00	0.13	0.143	0					0.40
46.167	0.00	0.13	0.142	0					0.40
46.250	0.00	0.13	0.142	0					0.39
46.333	0.00	0.13	0.141	0					0.39
46.417	0.00	0.12	0.140	0					0.39
46.500	0.00	0.12	0.139	0					0.39
46.583	0.00	0.12	0.138	0					0.38
46.667	0.00	0.12	0.137	0					0.38
46.750	0.00	0.12	0.136	0					0.38
46.833	0.00	0.12	0.136	0					0.38
46.917	0.00	0.12	0.135	0					0.37
47.000	0.00	0.12	0.134	0					0.37
47.083	0.00	0.12	0.133	0					0.37
47.167	0.00	0.12	0.132	0					0.37
47.250	0.00	0.12	0.132	0					0.37
47.333	0.00	0.12	0.131	0					0.36
47.417	0.00	0.12	0.130	0					0.36
47.500	0.00	0.11	0.129	0					0.36
47.583	0.00	0.11	0.128	0					0.36
47.667	0.00	0.11	0.128	0					0.35
47.750	0.00	0.11	0.127	0					0.35
47.833	0.00	0.11	0.126	0					0.35
47.917	0.00	0.11	0.125	0					0.35

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

48.000	0.00	0.11	0.124	0					0.35
48.083	0.00	0.11	0.124	0					0.34
48.167	0.00	0.11	0.123	0					0.34
48.250	0.00	0.11	0.122	0					0.34
48.333	0.00	0.11	0.121	0					0.34
48.417	0.00	0.11	0.121	0					0.34
48.500	0.00	0.11	0.120	0					0.33
48.583	0.00	0.11	0.119	0					0.33
48.667	0.00	0.11	0.119	0					0.33
48.750	0.00	0.10	0.118	0					0.33
48.833	0.00	0.10	0.117	0					0.33
48.917	0.00	0.10	0.116	0					0.32
49.000	0.00	0.10	0.116	0					0.32
49.083	0.00	0.10	0.115	0					0.32
49.167	0.00	0.10	0.114	0					0.32
49.250	0.00	0.10	0.114	0					0.32
49.333	0.00	0.10	0.113	0					0.31
49.417	0.00	0.10	0.112	0					0.31
49.500	0.00	0.10	0.111	0					0.31
49.583	0.00	0.10	0.111	0					0.31
49.667	0.00	0.10	0.110	0					0.31
49.750	0.00	0.10	0.109	0					0.30
49.833	0.00	0.10	0.109	0					0.30
49.917	0.00	0.10	0.108	0					0.30
50.000	0.00	0.10	0.107	0					0.30
50.083	0.00	0.09	0.107	0					0.30
50.167	0.00	0.09	0.106	0					0.29
50.250	0.00	0.09	0.106	0					0.29
50.333	0.00	0.09	0.105	0					0.29
50.417	0.00	0.09	0.104	0					0.29
50.500	0.00	0.09	0.104	0					0.29
50.583	0.00	0.09	0.103	0					0.29
50.667	0.00	0.09	0.102	0					0.28
50.750	0.00	0.09	0.102	0					0.28
50.833	0.00	0.09	0.101	0					0.28
50.917	0.00	0.09	0.100	0					0.28
51.000	0.00	0.09	0.100	0					0.28
51.083	0.00	0.09	0.099	0					0.28
51.167	0.00	0.09	0.099	0					0.27
51.250	0.00	0.09	0.098	0					0.27
51.333	0.00	0.09	0.097	0					0.27
51.417	0.00	0.09	0.097	0					0.27
51.500	0.00	0.09	0.096	0					0.27
51.583	0.00	0.09	0.096	0					0.27
51.667	0.00	0.08	0.095	0					0.26
51.750	0.00	0.08	0.094	0					0.26
51.833	0.00	0.08	0.094	0					0.26
51.917	0.00	0.08	0.093	0					0.26
52.000	0.00	0.08	0.093	0					0.26
52.083	0.00	0.08	0.092	0					0.26
52.167	0.00	0.08	0.092	0					0.25
52.250	0.00	0.08	0.091	0					0.25
52.333	0.00	0.08	0.091	0					0.25
52.417	0.00	0.08	0.090	0					0.25
52.500	0.00	0.08	0.089	0					0.25
52.583	0.00	0.08	0.089	0					0.25
52.667	0.00	0.08	0.088	0					0.25
52.750	0.00	0.08	0.088	0					0.24
52.833	0.00	0.08	0.087	0					0.24
52.917	0.00	0.08	0.087	0					0.24
53.000	0.00	0.08	0.086	0					0.24
53.083	0.00	0.08	0.086	0					0.24
53.167	0.00	0.08	0.085	0					0.24
53.250	0.00	0.08	0.085	0					0.24
53.333	0.00	0.07	0.084	0					0.23
53.417	0.00	0.07	0.084	0					0.23
53.500	0.00	0.07	0.083	0					0.23
53.583	0.00	0.07	0.083	0					0.23
53.667	0.00	0.07	0.082	0					0.23
53.750	0.00	0.07	0.082	0					0.23
53.833	0.00	0.07	0.081	0					0.23
53.917	0.00	0.07	0.081	0					0.22

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

54.000	0.00	0.07	0.080	0					0.22
54.083	0.00	0.07	0.080	0					0.22
54.167	0.00	0.07	0.079	0					0.22
54.250	0.00	0.07	0.079	0					0.22
54.333	0.00	0.07	0.078	0					0.22
54.417	0.00	0.07	0.078	0					0.22
54.500	0.00	0.07	0.077	0					0.21
54.583	0.00	0.07	0.077	0					0.21
54.667	0.00	0.07	0.076	0					0.21
54.750	0.00	0.07	0.076	0					0.21
54.833	0.00	0.07	0.075	0					0.21
54.917	0.00	0.07	0.075	0					0.21
55.000	0.00	0.07	0.074	0					0.21
55.083	0.00	0.07	0.074	0					0.21
55.167	0.00	0.07	0.074	0					0.20
55.250	0.00	0.06	0.073	0					0.20
55.333	0.00	0.06	0.073	0					0.20
55.417	0.00	0.06	0.072	0					0.20
55.500	0.00	0.06	0.072	0					0.20
55.583	0.00	0.06	0.071	0					0.20
55.667	0.00	0.06	0.071	0					0.20
55.750	0.00	0.06	0.070	0					0.20
55.833	0.00	0.06	0.070	0					0.19
55.917	0.00	0.06	0.070	0					0.19
56.000	0.00	0.06	0.069	0					0.19
56.083	0.00	0.06	0.069	0					0.19
56.167	0.00	0.06	0.068	0					0.19
56.250	0.00	0.06	0.068	0					0.19
56.333	0.00	0.06	0.067	0					0.19
56.417	0.00	0.06	0.067	0					0.19
56.500	0.00	0.06	0.067	0					0.19
56.583	0.00	0.06	0.066	0					0.18
56.667	0.00	0.06	0.066	0					0.18
56.750	0.00	0.06	0.065	0					0.18
56.833	0.00	0.06	0.065	0					0.18
56.917	0.00	0.06	0.065	0					0.18
57.000	0.00	0.06	0.064	0					0.18
57.083	0.00	0.06	0.064	0					0.18
57.167	0.00	0.06	0.063	0					0.18
57.250	0.00	0.06	0.063	0					0.18
57.333	0.00	0.06	0.063	0					0.17
57.417	0.00	0.06	0.062	0					0.17
57.500	0.00	0.06	0.062	0					0.17
57.583	0.00	0.05	0.062	0					0.17
57.667	0.00	0.05	0.061	0					0.17
57.750	0.00	0.05	0.061	0					0.17
57.833	0.00	0.05	0.060	0					0.17
57.917	0.00	0.05	0.060	0					0.17
58.000	0.00	0.05	0.060	0					0.17
58.083	0.00	0.05	0.059	0					0.16
58.167	0.00	0.05	0.059	0					0.16
58.250	0.00	0.05	0.059	0					0.16
58.333	0.00	0.05	0.058	0					0.16
58.417	0.00	0.05	0.058	0					0.16
58.500	0.00	0.05	0.058	0					0.16
58.583	0.00	0.05	0.057	0					0.16
58.667	0.00	0.05	0.057	0					0.16
58.750	0.00	0.05	0.057	0					0.16
58.833	0.00	0.05	0.056	0					0.16
58.917	0.00	0.05	0.056	0					0.16
59.000	0.00	0.05	0.055	0					0.15
59.083	0.00	0.05	0.055	0					0.15
59.167	0.00	0.05	0.055	0					0.15
59.250	0.00	0.05	0.054	0					0.15
59.333	0.00	0.05	0.054	0					0.15
59.417	0.00	0.05	0.054	0					0.15
59.500	0.00	0.05	0.053	0					0.15
59.583	0.00	0.05	0.053	0					0.15
59.667	0.00	0.05	0.053	0					0.15
59.750	0.00	0.05	0.053	0					0.15
59.833	0.00	0.05	0.052	0					0.14
59.917	0.00	0.05	0.052	0					0.14

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

60.000	0.00	0.05	0.052	0					0.14
60.083	0.00	0.05	0.051	0					0.14
60.167	0.00	0.05	0.051	0					0.14
60.250	0.00	0.04	0.051	0					0.14
60.333	0.00	0.04	0.050	0					0.14
60.417	0.00	0.04	0.050	0					0.14
60.500	0.00	0.04	0.050	0					0.14
60.583	0.00	0.04	0.049	0					0.14
60.667	0.00	0.04	0.049	0					0.14
60.750	0.00	0.04	0.049	0					0.14
60.833	0.00	0.04	0.048	0					0.13
60.917	0.00	0.04	0.048	0					0.13
61.000	0.00	0.04	0.048	0					0.13
61.083	0.00	0.04	0.048	0					0.13
61.167	0.00	0.04	0.047	0					0.13
61.250	0.00	0.04	0.047	0					0.13
61.333	0.00	0.04	0.047	0					0.13
61.417	0.00	0.04	0.046	0					0.13
61.500	0.00	0.04	0.046	0					0.13
61.583	0.00	0.04	0.046	0					0.13
61.667	0.00	0.04	0.046	0					0.13
61.750	0.00	0.04	0.045	0					0.13
61.833	0.00	0.04	0.045	0					0.13
61.917	0.00	0.04	0.045	0					0.12
62.000	0.00	0.04	0.045	0					0.12
62.083	0.00	0.04	0.044	0					0.12
62.167	0.00	0.04	0.044	0					0.12
62.250	0.00	0.04	0.044	0					0.12
62.333	0.00	0.04	0.043	0					0.12
62.417	0.00	0.04	0.043	0					0.12
62.500	0.00	0.04	0.043	0					0.12
62.583	0.00	0.04	0.043	0					0.12
62.667	0.00	0.04	0.042	0					0.12
62.750	0.00	0.04	0.042	0					0.12
62.833	0.00	0.04	0.042	0					0.12
62.917	0.00	0.04	0.042	0					0.12
63.000	0.00	0.04	0.041	0					0.11
63.083	0.00	0.04	0.041	0					0.11
63.167	0.00	0.04	0.041	0					0.11
63.250	0.00	0.04	0.041	0					0.11
63.333	0.00	0.04	0.040	0					0.11
63.417	0.00	0.04	0.040	0					0.11
63.500	0.00	0.04	0.040	0					0.11
63.583	0.00	0.04	0.040	0					0.11
63.667	0.00	0.03	0.039	0					0.11
63.750	0.00	0.03	0.039	0					0.11
63.833	0.00	0.03	0.039	0					0.11
63.917	0.00	0.03	0.039	0					0.11
64.000	0.00	0.03	0.038	0					0.11
64.083	0.00	0.03	0.038	0					0.11
64.167	0.00	0.03	0.038	0					0.11
64.250	0.00	0.03	0.038	0					0.10
64.333	0.00	0.03	0.037	0					0.10
64.417	0.00	0.03	0.037	0					0.10
64.500	0.00	0.03	0.037	0					0.10
64.583	0.00	0.03	0.037	0					0.10
64.667	0.00	0.03	0.037	0					0.10
64.750	0.00	0.03	0.036	0					0.10
64.833	0.00	0.03	0.036	0					0.10
64.917	0.00	0.03	0.036	0					0.10
65.000	0.00	0.03	0.036	0					0.10
65.083	0.00	0.03	0.035	0					0.10
65.167	0.00	0.03	0.035	0					0.10
65.250	0.00	0.03	0.035	0					0.10
65.333	0.00	0.03	0.035	0					0.10
65.417	0.00	0.03	0.035	0					0.10
65.500	0.00	0.03	0.034	0					0.10
65.583	0.00	0.03	0.034	0					0.10
65.667	0.00	0.03	0.034	0					0.09
65.750	0.00	0.03	0.034	0					0.09
65.833	0.00	0.03	0.034	0					0.09
65.917	0.00	0.03	0.033	0					0.09

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

66.000	0.00	0.03	0.033	0					0.09
66.083	0.00	0.03	0.033	0					0.09
66.167	0.00	0.03	0.033	0					0.09
66.250	0.00	0.03	0.033	0					0.09
66.333	0.00	0.03	0.032	0					0.09
66.417	0.00	0.03	0.032	0					0.09
66.500	0.00	0.03	0.032	0					0.09
66.583	0.00	0.03	0.032	0					0.09
66.667	0.00	0.03	0.032	0					0.09
66.750	0.00	0.03	0.031	0					0.09
66.833	0.00	0.03	0.031	0					0.09
66.917	0.00	0.03	0.031	0					0.09
67.000	0.00	0.03	0.031	0					0.09
67.083	0.00	0.03	0.031	0					0.09
67.167	0.00	0.03	0.030	0					0.08
67.250	0.00	0.03	0.030	0					0.08
67.333	0.00	0.03	0.030	0					0.08
67.417	0.00	0.03	0.030	0					0.08
67.500	0.00	0.03	0.030	0					0.08
67.583	0.00	0.03	0.030	0					0.08
67.667	0.00	0.03	0.029	0					0.08
67.750	0.00	0.03	0.029	0					0.08
67.833	0.00	0.03	0.029	0					0.08
67.917	0.00	0.03	0.029	0					0.08
68.000	0.00	0.03	0.029	0					0.08
68.083	0.00	0.03	0.028	0					0.08
68.167	0.00	0.03	0.028	0					0.08
68.250	0.00	0.02	0.028	0					0.08
68.333	0.00	0.02	0.028	0					0.08
68.417	0.00	0.02	0.028	0					0.08
68.500	0.00	0.02	0.028	0					0.08
68.583	0.00	0.02	0.027	0					0.08
68.667	0.00	0.02	0.027	0					0.08
68.750	0.00	0.02	0.027	0					0.08
68.833	0.00	0.02	0.027	0					0.07
68.917	0.00	0.02	0.027	0					0.07
69.000	0.00	0.02	0.027	0					0.07
69.083	0.00	0.02	0.026	0					0.07
69.167	0.00	0.02	0.026	0					0.07
69.250	0.00	0.02	0.026	0					0.07
69.333	0.00	0.02	0.026	0					0.07
69.417	0.00	0.02	0.026	0					0.07
69.500	0.00	0.02	0.026	0					0.07
69.583	0.00	0.02	0.025	0					0.07
69.667	0.00	0.02	0.025	0					0.07
69.750	0.00	0.02	0.025	0					0.07
69.833	0.00	0.02	0.025	0					0.07
69.917	0.00	0.02	0.025	0					0.07
70.000	0.00	0.02	0.025	0					0.07
70.083	0.00	0.02	0.025	0					0.07
70.167	0.00	0.02	0.024	0					0.07
70.250	0.00	0.02	0.024	0					0.07
70.333	0.00	0.02	0.024	0					0.07
70.417	0.00	0.02	0.024	0					0.07
70.500	0.00	0.02	0.024	0					0.07
70.583	0.00	0.02	0.024	0					0.07
70.667	0.00	0.02	0.024	0					0.07
70.750	0.00	0.02	0.023	0					0.07
70.833	0.00	0.02	0.023	0					0.06
70.917	0.00	0.02	0.023	0					0.06
71.000	0.00	0.02	0.023	0					0.06
71.083	0.00	0.02	0.023	0					0.06
71.167	0.00	0.02	0.023	0					0.06
71.250	0.00	0.02	0.023	0					0.06
71.333	0.00	0.02	0.022	0					0.06
71.417	0.00	0.02	0.022	0					0.06
71.500	0.00	0.02	0.022	0					0.06
71.583	0.00	0.02	0.022	0					0.06
71.667	0.00	0.02	0.022	0					0.06
71.750	0.00	0.02	0.022	0					0.06
71.833	0.00	0.02	0.022	0					0.06
71.917	0.00	0.02	0.021	0					0.06

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

72.000	0.00	0.02	0.021	0					0.06
72.083	0.00	0.02	0.021	0					0.06
72.167	0.00	0.02	0.021	0					0.06
72.250	0.00	0.02	0.021	0					0.06
72.333	0.00	0.02	0.021	0					0.06
72.417	0.00	0.02	0.021	0					0.06
72.500	0.00	0.02	0.021	0					0.06
72.583	0.00	0.02	0.020	0					0.06
72.667	0.00	0.02	0.020	0					0.06
72.750	0.00	0.02	0.020	0					0.06
72.833	0.00	0.02	0.020	0					0.06
72.917	0.00	0.02	0.020	0					0.06
73.000	0.00	0.02	0.020	0					0.06
73.083	0.00	0.02	0.020	0					0.05
73.167	0.00	0.02	0.020	0					0.05
73.250	0.00	0.02	0.019	0					0.05
73.333	0.00	0.02	0.019	0					0.05
73.417	0.00	0.02	0.019	0					0.05
73.500	0.00	0.02	0.019	0					0.05
73.583	0.00	0.02	0.019	0					0.05
73.667	0.00	0.02	0.019	0					0.05
73.750	0.00	0.02	0.019	0					0.05
73.833	0.00	0.02	0.019	0					0.05
73.917	0.00	0.02	0.019	0					0.05
74.000	0.00	0.02	0.018	0					0.05
74.083	0.00	0.02	0.018	0					0.05
74.167	0.00	0.02	0.018	0					0.05
74.250	0.00	0.02	0.018	0					0.05
74.333	0.00	0.02	0.018	0					0.05
74.417	0.00	0.02	0.018	0					0.05
74.500	0.00	0.02	0.018	0					0.05
74.583	0.00	0.02	0.018	0					0.05
74.667	0.00	0.02	0.018	0					0.05
74.750	0.00	0.02	0.017	0					0.05
74.833	0.00	0.02	0.017	0					0.05
74.917	0.00	0.02	0.017	0					0.05
75.000	0.00	0.02	0.017	0					0.05
75.083	0.00	0.02	0.017	0					0.05
75.167	0.00	0.02	0.017	0					0.05
75.250	0.00	0.01	0.017	0					0.05
75.333	0.00	0.01	0.017	0					0.05
75.417	0.00	0.01	0.017	0					0.05
75.500	0.00	0.01	0.017	0					0.05
75.583	0.00	0.01	0.016	0					0.05
75.667	0.00	0.01	0.016	0					0.05
75.750	0.00	0.01	0.016	0					0.05
75.833	0.00	0.01	0.016	0					0.04
75.917	0.00	0.01	0.016	0					0.04
76.000	0.00	0.01	0.016	0					0.04
76.083	0.00	0.01	0.016	0					0.04
76.167	0.00	0.01	0.016	0					0.04
76.250	0.00	0.01	0.016	0					0.04
76.333	0.00	0.01	0.016	0					0.04
76.417	0.00	0.01	0.015	0					0.04
76.500	0.00	0.01	0.015	0					0.04
76.583	0.00	0.01	0.015	0					0.04
76.667	0.00	0.01	0.015	0					0.04
76.750	0.00	0.01	0.015	0					0.04
76.833	0.00	0.01	0.015	0					0.04
76.917	0.00	0.01	0.015	0					0.04
77.000	0.00	0.01	0.015	0					0.04
77.083	0.00	0.01	0.015	0					0.04
77.167	0.00	0.01	0.015	0					0.04
77.250	0.00	0.01	0.015	0					0.04
77.333	0.00	0.01	0.014	0					0.04
77.417	0.00	0.01	0.014	0					0.04
77.500	0.00	0.01	0.014	0					0.04
77.583	0.00	0.01	0.014	0					0.04
77.667	0.00	0.01	0.014	0					0.04
77.750	0.00	0.01	0.014	0					0.04
77.833	0.00	0.01	0.014	0					0.04
77.917	0.00	0.01	0.014	0					0.04

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

78.000	0.00	0.01	0.014	0					0.04
78.083	0.00	0.01	0.014	0					0.04
78.167	0.00	0.01	0.014	0					0.04
78.250	0.00	0.01	0.013	0					0.04
78.333	0.00	0.01	0.013	0					0.04
78.417	0.00	0.01	0.013	0					0.04
78.500	0.00	0.01	0.013	0					0.04
78.583	0.00	0.01	0.013	0					0.04
78.667	0.00	0.01	0.013	0					0.04
78.750	0.00	0.01	0.013	0					0.04
78.833	0.00	0.01	0.013	0					0.04
78.917	0.00	0.01	0.013	0					0.04
79.000	0.00	0.01	0.013	0					0.04
79.083	0.00	0.01	0.013	0					0.04
79.167	0.00	0.01	0.013	0					0.04
79.250	0.00	0.01	0.013	0					0.03
79.333	0.00	0.01	0.012	0					0.03
79.417	0.00	0.01	0.012	0					0.03
79.500	0.00	0.01	0.012	0					0.03
79.583	0.00	0.01	0.012	0					0.03
79.667	0.00	0.01	0.012	0					0.03
79.750	0.00	0.01	0.012	0					0.03
79.833	0.00	0.01	0.012	0					0.03
79.917	0.00	0.01	0.012	0					0.03
80.000	0.00	0.01	0.012	0					0.03
80.083	0.00	0.01	0.012	0					0.03
80.167	0.00	0.01	0.012	0					0.03
80.250	0.00	0.01	0.012	0					0.03
80.333	0.00	0.01	0.012	0					0.03
80.417	0.00	0.01	0.012	0					0.03
80.500	0.00	0.01	0.011	0					0.03
80.583	0.00	0.01	0.011	0					0.03
80.667	0.00	0.01	0.011	0					0.03
80.750	0.00	0.01	0.011	0					0.03
80.833	0.00	0.01	0.011	0					0.03
80.917	0.00	0.01	0.011	0					0.03
81.000	0.00	0.01	0.011	0					0.03
81.083	0.00	0.01	0.011	0					0.03
81.167	0.00	0.01	0.011	0					0.03
81.250	0.00	0.01	0.011	0					0.03
81.333	0.00	0.01	0.011	0					0.03
81.417	0.00	0.01	0.011	0					0.03
81.500	0.00	0.01	0.011	0					0.03
81.583	0.00	0.01	0.011	0					0.03
81.667	0.00	0.01	0.010	0					0.03
81.750	0.00	0.01	0.010	0					0.03
81.833	0.00	0.01	0.010	0					0.03
81.917	0.00	0.01	0.010	0					0.03
82.000	0.00	0.01	0.010	0					0.03
82.083	0.00	0.01	0.010	0					0.03
82.167	0.00	0.01	0.010	0					0.03
82.250	0.00	0.01	0.010	0					0.03
82.333	0.00	0.01	0.010	0					0.03
82.417	0.00	0.01	0.010	0					0.03
82.500	0.00	0.01	0.010	0					0.03
82.583	0.00	0.01	0.010	0					0.03
82.667	0.00	0.01	0.010	0					0.03
82.750	0.00	0.01	0.010	0					0.03
82.833	0.00	0.01	0.010	0					0.03
82.917	0.00	0.01	0.010	0					0.03
83.000	0.00	0.01	0.010	0					0.03
83.083	0.00	0.01	0.009	0					0.03
83.167	0.00	0.01	0.009	0					0.03
83.250	0.00	0.01	0.009	0					0.03
83.333	0.00	0.01	0.009	0					0.03
83.417	0.00	0.01	0.009	0					0.03
83.500	0.00	0.01	0.009	0					0.03
83.583	0.00	0.01	0.009	0					0.03
83.667	0.00	0.01	0.009	0					0.03
83.750	0.00	0.01	0.009	0					0.03
83.833	0.00	0.01	0.009	0					0.02
83.917	0.00	0.01	0.009	0					0.02

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

84.000	0.00	0.01	0.009	0					0.02
84.083	0.00	0.01	0.009	0					0.02
84.167	0.00	0.01	0.009	0					0.02
84.250	0.00	0.01	0.009	0					0.02
84.333	0.00	0.01	0.009	0					0.02
84.417	0.00	0.01	0.009	0					0.02
84.500	0.00	0.01	0.009	0					0.02
84.583	0.00	0.01	0.008	0					0.02
84.667	0.00	0.01	0.008	0					0.02
84.750	0.00	0.01	0.008	0					0.02
84.833	0.00	0.01	0.008	0					0.02
84.917	0.00	0.01	0.008	0					0.02
85.000	0.00	0.01	0.008	0					0.02
85.083	0.00	0.01	0.008	0					0.02
85.167	0.00	0.01	0.008	0					0.02
85.250	0.00	0.01	0.008	0					0.02
85.333	0.00	0.01	0.008	0					0.02
85.417	0.00	0.01	0.008	0					0.02
85.500	0.00	0.01	0.008	0					0.02
85.583	0.00	0.01	0.008	0					0.02
85.667	0.00	0.01	0.008	0					0.02
85.750	0.00	0.01	0.008	0					0.02
85.833	0.00	0.01	0.008	0					0.02
85.917	0.00	0.01	0.008	0					0.02
86.000	0.00	0.01	0.008	0					0.02
86.083	0.00	0.01	0.008	0					0.02
86.167	0.00	0.01	0.008	0					0.02
86.250	0.00	0.01	0.007	0					0.02
86.333	0.00	0.01	0.007	0					0.02
86.417	0.00	0.01	0.007	0					0.02
86.500	0.00	0.01	0.007	0					0.02
86.583	0.00	0.01	0.007	0					0.02
86.667	0.00	0.01	0.007	0					0.02
86.750	0.00	0.01	0.007	0					0.02
86.833	0.00	0.01	0.007	0					0.02
86.917	0.00	0.01	0.007	0					0.02
87.000	0.00	0.01	0.007	0					0.02
87.083	0.00	0.01	0.007	0					0.02
87.167	0.00	0.01	0.007	0					0.02
87.250	0.00	0.01	0.007	0					0.02
87.333	0.00	0.01	0.007	0					0.02
87.417	0.00	0.01	0.007	0					0.02
87.500	0.00	0.01	0.007	0					0.02
87.583	0.00	0.01	0.007	0					0.02
87.667	0.00	0.01	0.007	0					0.02
87.750	0.00	0.01	0.007	0					0.02
87.833	0.00	0.01	0.007	0					0.02
87.917	0.00	0.01	0.007	0					0.02
88.000	0.00	0.01	0.007	0					0.02
88.083	0.00	0.01	0.007	0					0.02
88.167	0.00	0.01	0.007	0					0.02
88.250	0.00	0.01	0.006	0					0.02
88.333	0.00	0.01	0.006	0					0.02
88.417	0.00	0.01	0.006	0					0.02
88.500	0.00	0.01	0.006	0					0.02
88.583	0.00	0.01	0.006	0					0.02
88.667	0.00	0.01	0.006	0					0.02
88.750	0.00	0.01	0.006	0					0.02
88.833	0.00	0.01	0.006	0					0.02
88.917	0.00	0.01	0.006	0					0.02
89.000	0.00	0.01	0.006	0					0.02
89.083	0.00	0.01	0.006	0					0.02
89.167	0.00	0.01	0.006	0					0.02
89.250	0.00	0.01	0.006	0					0.02
89.333	0.00	0.01	0.006	0					0.02
89.417	0.00	0.01	0.006	0					0.02
89.500	0.00	0.01	0.006	0					0.02
89.583	0.00	0.01	0.006	0					0.02
89.667	0.00	0.01	0.006	0					0.02
89.750	0.00	0.01	0.006	0					0.02
89.833	0.00	0.01	0.006	0					0.02
89.917	0.00	0.01	0.006	0					0.02

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

90.000	0.00	0.01	0.006	0					0.02
90.083	0.00	0.01	0.006	0					0.02
90.167	0.00	0.00	0.006	0					0.02
90.250	0.00	0.00	0.006	0					0.02
90.333	0.00	0.00	0.006	0					0.02
90.417	0.00	0.00	0.006	0					0.02
90.500	0.00	0.00	0.005	0					0.02
90.583	0.00	0.00	0.005	0					0.02
90.667	0.00	0.00	0.005	0					0.02
90.750	0.00	0.00	0.005	0					0.01
90.833	0.00	0.00	0.005	0					0.01
90.917	0.00	0.00	0.005	0					0.01
91.000	0.00	0.00	0.005	0					0.01
91.083	0.00	0.00	0.005	0					0.01
91.167	0.00	0.00	0.005	0					0.01
91.250	0.00	0.00	0.005	0					0.01
91.333	0.00	0.00	0.005	0					0.01
91.417	0.00	0.00	0.005	0					0.01
91.500	0.00	0.00	0.005	0					0.01
91.583	0.00	0.00	0.005	0					0.01
91.667	0.00	0.00	0.005	0					0.01
91.750	0.00	0.00	0.005	0					0.01
91.833	0.00	0.00	0.005	0					0.01
91.917	0.00	0.00	0.005	0					0.01
92.000	0.00	0.00	0.005	0					0.01
92.083	0.00	0.00	0.005	0					0.01
92.167	0.00	0.00	0.005	0					0.01
92.250	0.00	0.00	0.005	0					0.01
92.333	0.00	0.00	0.005	0					0.01
92.417	0.00	0.00	0.005	0					0.01
92.500	0.00	0.00	0.005	0					0.01
92.583	0.00	0.00	0.005	0					0.01
92.667	0.00	0.00	0.005	0					0.01
92.750	0.00	0.00	0.005	0					0.01
92.833	0.00	0.00	0.005	0					0.01
92.917	0.00	0.00	0.005	0					0.01
93.000	0.00	0.00	0.005	0					0.01
93.083	0.00	0.00	0.005	0					0.01
93.167	0.00	0.00	0.005	0					0.01
93.250	0.00	0.00	0.004	0					0.01
93.333	0.00	0.00	0.004	0					0.01
93.417	0.00	0.00	0.004	0					0.01
93.500	0.00	0.00	0.004	0					0.01
93.583	0.00	0.00	0.004	0					0.01
93.667	0.00	0.00	0.004	0					0.01
93.750	0.00	0.00	0.004	0					0.01
93.833	0.00	0.00	0.004	0					0.01
93.917	0.00	0.00	0.004	0					0.01
94.000	0.00	0.00	0.004	0					0.01
94.083	0.00	0.00	0.004	0					0.01
94.167	0.00	0.00	0.004	0					0.01
94.250	0.00	0.00	0.004	0					0.01
94.333	0.00	0.00	0.004	0					0.01
94.417	0.00	0.00	0.004	0					0.01
94.500	0.00	0.00	0.004	0					0.01
94.583	0.00	0.00	0.004	0					0.01
94.667	0.00	0.00	0.004	0					0.01
94.750	0.00	0.00	0.004	0					0.01
94.833	0.00	0.00	0.004	0					0.01
94.917	0.00	0.00	0.004	0					0.01
95.000	0.00	0.00	0.004	0					0.01
95.083	0.00	0.00	0.004	0					0.01
95.167	0.00	0.00	0.004	0					0.01
95.250	0.00	0.00	0.004	0					0.01
95.333	0.00	0.00	0.004	0					0.01
95.417	0.00	0.00	0.004	0					0.01
95.500	0.00	0.00	0.004	0					0.01
95.583	0.00	0.00	0.004	0					0.01
95.667	0.00	0.00	0.004	0					0.01
95.750	0.00	0.00	0.004	0					0.01
95.833	0.00	0.00	0.004	0					0.01
95.917	0.00	0.00	0.004	0					0.01

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

96.000	0.00	0.00	0.004	0					0.01
96.083	0.00	0.00	0.004	0					0.01
96.167	0.00	0.00	0.004	0					0.01
96.250	0.00	0.00	0.004	0					0.01
96.333	0.00	0.00	0.004	0					0.01
96.417	0.00	0.00	0.004	0					0.01
96.500	0.00	0.00	0.004	0					0.01
96.583	0.00	0.00	0.004	0					0.01
96.667	0.00	0.00	0.003	0					0.01
96.750	0.00	0.00	0.003	0					0.01
96.833	0.00	0.00	0.003	0					0.01
96.917	0.00	0.00	0.003	0					0.01
97.000	0.00	0.00	0.003	0					0.01
97.083	0.00	0.00	0.003	0					0.01
97.167	0.00	0.00	0.003	0					0.01
97.250	0.00	0.00	0.003	0					0.01
97.333	0.00	0.00	0.003	0					0.01
97.417	0.00	0.00	0.003	0					0.01
97.500	0.00	0.00	0.003	0					0.01
97.583	0.00	0.00	0.003	0					0.01
97.667	0.00	0.00	0.003	0					0.01
97.750	0.00	0.00	0.003	0					0.01
97.833	0.00	0.00	0.003	0					0.01
97.917	0.00	0.00	0.003	0					0.01
98.000	0.00	0.00	0.003	0					0.01
98.083	0.00	0.00	0.003	0					0.01
98.167	0.00	0.00	0.003	0					0.01
98.250	0.00	0.00	0.003	0					0.01
98.333	0.00	0.00	0.003	0					0.01
98.417	0.00	0.00	0.003	0					0.01
98.500	0.00	0.00	0.003	0					0.01
98.583	0.00	0.00	0.003	0					0.01
98.667	0.00	0.00	0.003	0					0.01
98.750	0.00	0.00	0.003	0					0.01
98.833	0.00	0.00	0.003	0					0.01
98.917	0.00	0.00	0.003	0					0.01
99.000	0.00	0.00	0.003	0					0.01
99.083	0.00	0.00	0.003	0					0.01
99.167	0.00	0.00	0.003	0					0.01
99.250	0.00	0.00	0.003	0					0.01
99.333	0.00	0.00	0.003	0					0.01
99.417	0.00	0.00	0.003	0					0.01
99.500	0.00	0.00	0.003	0					0.01
99.583	0.00	0.00	0.003	0					0.01
99.667	0.00	0.00	0.003	0					0.01
99.750	0.00	0.00	0.003	0					0.01
99.833	0.00	0.00	0.003	0					0.01
99.917	0.00	0.00	0.003	0					0.01
100.000	0.00	0.00	0.003	0					0.01
100.083	0.00	0.00	0.003	0					0.01
100.167	0.00	0.00	0.003	0					0.01
100.250	0.00	0.00	0.003	0					0.01
100.333	0.00	0.00	0.003	0					0.01
100.417	0.00	0.00	0.003	0					0.01
100.500	0.00	0.00	0.003	0					0.01
100.583	0.00	0.00	0.003	0					0.01
100.667	0.00	0.00	0.003	0					0.01
100.750	0.00	0.00	0.003	0					0.01
100.833	0.00	0.00	0.003	0					0.01
100.917	0.00	0.00	0.003	0					0.01
101.000	0.00	0.00	0.003	0					0.01
101.083	0.00	0.00	0.003	0					0.01
101.167	0.00	0.00	0.003	0					0.01
101.250	0.00	0.00	0.002	0					0.01
101.333	0.00	0.00	0.002	0					0.01
101.417	0.00	0.00	0.002	0					0.01
101.500	0.00	0.00	0.002	0					0.01
101.583	0.00	0.00	0.002	0					0.01
101.667	0.00	0.00	0.002	0					0.01
101.750	0.00	0.00	0.002	0					0.01
101.833	0.00	0.00	0.002	0					0.01
101.917	0.00	0.00	0.002	0					0.01

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

102.000	0.00	0.00	0.002	0					0.01
102.083	0.00	0.00	0.002	0					0.01
102.167	0.00	0.00	0.002	0					0.01
102.250	0.00	0.00	0.002	0					0.01
102.333	0.00	0.00	0.002	0					0.01
102.417	0.00	0.00	0.002	0					0.01
102.500	0.00	0.00	0.002	0					0.01
102.583	0.00	0.00	0.002	0					0.01
102.667	0.00	0.00	0.002	0					0.01
102.750	0.00	0.00	0.002	0					0.01
102.833	0.00	0.00	0.002	0					0.01
102.917	0.00	0.00	0.002	0					0.01
103.000	0.00	0.00	0.002	0					0.01
103.083	0.00	0.00	0.002	0					0.01
103.167	0.00	0.00	0.002	0					0.01
103.250	0.00	0.00	0.002	0					0.01
103.333	0.00	0.00	0.002	0					0.01
103.417	0.00	0.00	0.002	0					0.01
103.500	0.00	0.00	0.002	0					0.01
103.583	0.00	0.00	0.002	0					0.01
103.667	0.00	0.00	0.002	0					0.01
103.750	0.00	0.00	0.002	0					0.01
103.833	0.00	0.00	0.002	0					0.01
103.917	0.00	0.00	0.002	0					0.01
104.000	0.00	0.00	0.002	0					0.01
104.083	0.00	0.00	0.002	0					0.01
104.167	0.00	0.00	0.002	0					0.01
104.250	0.00	0.00	0.002	0					0.01
104.333	0.00	0.00	0.002	0					0.01
104.417	0.00	0.00	0.002	0					0.01
104.500	0.00	0.00	0.002	0					0.01
104.583	0.00	0.00	0.002	0					0.01
104.667	0.00	0.00	0.002	0					0.01
104.750	0.00	0.00	0.002	0					0.01
104.833	0.00	0.00	0.002	0					0.01
104.917	0.00	0.00	0.002	0					0.01
105.000	0.00	0.00	0.002	0					0.01
105.083	0.00	0.00	0.002	0					0.01
105.167	0.00	0.00	0.002	0					0.01
105.250	0.00	0.00	0.002	0					0.01
105.333	0.00	0.00	0.002	0					0.01
105.417	0.00	0.00	0.002	0					0.01
105.500	0.00	0.00	0.002	0					0.01
105.583	0.00	0.00	0.002	0					0.01
105.667	0.00	0.00	0.002	0					0.00
105.750	0.00	0.00	0.002	0					0.00
105.833	0.00	0.00	0.002	0					0.00
105.917	0.00	0.00	0.002	0					0.00
106.000	0.00	0.00	0.002	0					0.00
106.083	0.00	0.00	0.002	0					0.00
106.167	0.00	0.00	0.002	0					0.00
106.250	0.00	0.00	0.002	0					0.00
106.333	0.00	0.00	0.002	0					0.00
106.417	0.00	0.00	0.002	0					0.00
106.500	0.00	0.00	0.002	0					0.00
106.583	0.00	0.00	0.002	0					0.00
106.667	0.00	0.00	0.002	0					0.00
106.750	0.00	0.00	0.002	0					0.00
106.833	0.00	0.00	0.002	0					0.00
106.917	0.00	0.00	0.002	0					0.00
107.000	0.00	0.00	0.002	0					0.00
107.083	0.00	0.00	0.002	0					0.00
107.167	0.00	0.00	0.002	0					0.00
107.250	0.00	0.00	0.002	0					0.00
107.333	0.00	0.00	0.002	0					0.00
107.417	0.00	0.00	0.002	0					0.00
107.500	0.00	0.00	0.002	0					0.00
107.583	0.00	0.00	0.002	0					0.00
107.667	0.00	0.00	0.002	0					0.00
107.750	0.00	0.00	0.002	0					0.00
107.833	0.00	0.00	0.002	0					0.00
107.917	0.00	0.00	0.002	0					0.00

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

108.000	0.00	0.00	0.002	0					0.00
108.083	0.00	0.00	0.002	0					0.00
108.167	0.00	0.00	0.001	0					0.00
108.250	0.00	0.00	0.001	0					0.00
108.333	0.00	0.00	0.001	0					0.00
108.417	0.00	0.00	0.001	0					0.00
108.500	0.00	0.00	0.001	0					0.00
108.583	0.00	0.00	0.001	0					0.00
108.667	0.00	0.00	0.001	0					0.00
108.750	0.00	0.00	0.001	0					0.00
108.833	0.00	0.00	0.001	0					0.00
108.917	0.00	0.00	0.001	0					0.00
109.000	0.00	0.00	0.001	0					0.00
109.083	0.00	0.00	0.001	0					0.00
109.167	0.00	0.00	0.001	0					0.00
109.250	0.00	0.00	0.001	0					0.00
109.333	0.00	0.00	0.001	0					0.00
109.417	0.00	0.00	0.001	0					0.00
109.500	0.00	0.00	0.001	0					0.00
109.583	0.00	0.00	0.001	0					0.00
109.667	0.00	0.00	0.001	0					0.00
109.750	0.00	0.00	0.001	0					0.00
109.833	0.00	0.00	0.001	0					0.00
109.917	0.00	0.00	0.001	0					0.00
110.000	0.00	0.00	0.001	0					0.00
110.083	0.00	0.00	0.001	0					0.00
110.167	0.00	0.00	0.001	0					0.00
110.250	0.00	0.00	0.001	0					0.00
110.333	0.00	0.00	0.001	0					0.00
110.417	0.00	0.00	0.001	0					0.00
110.500	0.00	0.00	0.001	0					0.00
110.583	0.00	0.00	0.001	0					0.00
110.667	0.00	0.00	0.001	0					0.00
110.750	0.00	0.00	0.001	0					0.00
110.833	0.00	0.00	0.001	0					0.00
110.917	0.00	0.00	0.001	0					0.00
111.000	0.00	0.00	0.001	0					0.00
111.083	0.00	0.00	0.001	0					0.00
111.167	0.00	0.00	0.001	0					0.00
111.250	0.00	0.00	0.001	0					0.00
111.333	0.00	0.00	0.001	0					0.00
111.417	0.00	0.00	0.001	0					0.00
111.500	0.00	0.00	0.001	0					0.00
111.583	0.00	0.00	0.001	0					0.00
111.667	0.00	0.00	0.001	0					0.00
111.750	0.00	0.00	0.001	0					0.00
111.833	0.00	0.00	0.001	0					0.00
111.917	0.00	0.00	0.001	0					0.00
112.000	0.00	0.00	0.001	0					0.00
112.083	0.00	0.00	0.001	0					0.00

Remaining water in basin = 0.00 (Ac.Ft)

```

*****HYDROGRAPH DATA*****
      Number of intervals = 1345
      Time interval = 5.0 (Min.)
      Maximum/Peak flow rate = 0.802 (CFS)
      Total volume = 1.746 (Ac.Ft)
      Status of hydrographs being held in storage
      Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
      Peak (CFS) 0.000 0.000 0.000 0.000 0.000
      Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000
*****

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Glen Ivy Senior Living

ATTACHMENT D – Detention Basin Routing

FLOOD HYDROGRAPH ROUTING PROGRAM
 Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2005
 Study date: 08/18/20

 Program License Serial Number 4029

 ***** HYDROGRAPH INFORMATION *****

 From study/file name: sh100pr6100.rte
 *****HYDROGRAPH DATA*****
 Number of intervals = 75
 Time interval = 5.0 (Min.)
 Maximum/Peak flow rate = 18.060 (CFS)
 Total volume = 2.330 (Ac.Ft)
 Status of hydrographs being held in storage
 Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
 Peak (CFS) 0.000 0.000 0.000 0.000 0.000
 Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
 Process from Point/Station 10.000 to Point/Station 11.000
 **** RETARDING BASIN ROUTING ****

 User entry of depth-outflow-storage data

 Total number of inflow hydrograph intervals = 75
 Hydrograph time unit = 5.000 (Min.)
 Initial depth in storage basin = 0.00 (Ft.)

 Initial basin depth = 0.00 (Ft.)
 Initial basin storage = 0.00 (Ac.Ft)
 Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:
 Basin Depth Storage Outflow (S-O*dt/2) (S+O*dt/2)
 (Ft.) (Ac.Ft) (CFS) (Ac.Ft) (Ac.Ft)

0.000	0.000	0.000	0.000	0.000
1.000	0.360	0.320	0.359	0.361
2.000	0.810	0.460	0.808	0.812
3.000	1.310	0.680	1.308	1.312
4.000	1.860	0.880	1.857	1.863
5.000	2.470	6.320	2.448	2.492
6.000	3.140	16.140	3.084	3.196

Hydrograph Detention Basin Routing

 Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	Depth (Ft.)
0.083	0.67	0.00	0.002	0.01

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

0.167	1.45	0.01	0.010	O I					0.03
0.250	1.71	0.02	0.020	O I					0.06
0.333	1.80	0.03	0.032	O I					0.09
0.417	1.81	0.04	0.044	O I					0.12
0.500	1.96	0.05	0.057	O I					0.16
0.583	2.12	0.06	0.071	O I					0.20
0.667	2.14	0.08	0.085	O I					0.24
0.750	2.16	0.09	0.099	O I					0.28
0.833	2.16	0.10	0.113	O I					0.32
0.917	2.16	0.11	0.128	O I					0.35
1.000	2.32	0.13	0.142	O I					0.40
1.083	2.48	0.14	0.158	O I					0.44
1.167	2.51	0.15	0.174	O I					0.48
1.250	2.53	0.17	0.190	O I					0.53
1.333	2.53	0.18	0.206	O I					0.57
1.417	2.53	0.20	0.223	O I					0.62
1.500	2.53	0.21	0.239	O I					0.66
1.583	2.53	0.23	0.254	O I					0.71
1.667	2.53	0.24	0.270	O I					0.75
1.750	2.53	0.25	0.286	O I					0.79
1.833	2.53	0.27	0.301	O I					0.84
1.917	2.53	0.28	0.317	O I					0.88
2.000	2.69	0.30	0.333	O I					0.92
2.083	2.68	0.31	0.349	O I					0.97
2.167	2.72	0.32	0.366	O I					1.01
2.250	2.86	0.33	0.383	O I					1.05
2.333	2.88	0.33	0.400	O I					1.09
2.417	2.89	0.34	0.418	O I					1.13
2.500	2.89	0.34	0.435	O I					1.17
2.583	2.89	0.35	0.453	O I					1.21
2.667	2.89	0.35	0.471	O I					1.25
2.750	3.06	0.36	0.489	O I					1.29
2.833	3.22	0.37	0.508	O I					1.33
2.917	3.25	0.37	0.527	O I					1.37
3.000	3.26	0.38	0.547	O I					1.42
3.083	3.26	0.38	0.567	O I					1.46
3.167	3.43	0.39	0.587	O I					1.51
3.250	3.58	0.40	0.609	O I					1.55
3.333	3.61	0.40	0.631	O I					1.60
3.417	3.79	0.41	0.654	O I					1.65
3.500	4.11	0.42	0.678	O I					1.71
3.583	4.47	0.43	0.705	O I					1.77
3.667	4.67	0.44	0.733	O I					1.83
3.750	4.88	0.45	0.763	O I					1.90
3.833	5.05	0.46	0.794	O I					1.96
3.917	5.25	0.47	0.826	O I					2.03
4.000	5.42	0.48	0.860	O I					2.10
4.083	5.61	0.50	0.894	O I					2.17
4.167	5.95	0.51	0.931	O I					2.24
4.250	6.30	0.53	0.969	O I					2.32
4.333	6.67	0.55	1.010	O I					2.40
4.417	7.04	0.57	1.054	O I					2.49
4.500	7.24	0.59	1.099	O I					2.58
4.583	7.45	0.61	1.145	O I					2.67
4.667	7.79	0.63	1.194	O I					2.77
4.750	8.14	0.65	1.244	O I					2.87
4.833	8.34	0.67	1.296	O I					2.97
4.917	8.55	0.69	1.350	O I					3.07
5.000	8.89	0.71	1.405	O I					3.17
5.083	9.90	0.74	1.465	O I					3.28
5.167	11.55	0.76	1.533	O I			I		3.41
5.250	13.00	0.79	1.612	O I			I		3.55
5.333	14.20	0.82	1.701	O I			I		3.71
5.417	15.66	0.86	1.798	O I			I		3.89
5.500	18.06	1.29	1.906	O I			I	I	4.08
5.583	13.59	2.16	2.003	O I			I		4.24
5.667	6.48	2.63	2.056	O I		I			4.32
5.750	3.40	2.77	2.071	O I					4.35
5.833	1.95	2.76	2.071	O I					4.35
5.917	1.32	2.69	2.063	O I					4.33
6.000	0.86	2.60	2.053	O I					4.32
6.083	0.39	2.48	2.039	O I					4.29

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

6.167	0.09	2.35	2.024	I	O						4.27
6.250	0.02	2.21	2.009	I	O						4.24
6.333	0.00	2.08	1.994	I	O						4.22
6.417	0.00	1.96	1.981	I	O						4.20
6.500	0.00	1.84	1.968	I	O						4.18
6.583	0.00	1.73	1.955	I	O						4.16
6.667	0.00	1.63	1.944	I	O						4.14
6.750	0.00	1.53	1.933	I	O						4.12
6.833	0.00	1.44	1.923	I	O						4.10
6.917	0.00	1.35	1.913	I	O						4.09
7.000	0.00	1.27	1.904	I	O						4.07
7.083	0.00	1.20	1.895	I	O						4.06
7.167	0.00	1.12	1.887	IO							4.04
7.250	0.00	1.06	1.880	IO							4.03
7.333	0.00	0.99	1.873	IO							4.02
7.417	0.00	0.94	1.866	IO							4.01
7.500	0.00	0.88	1.860	IO							4.00
7.583	0.00	0.88	1.854	IO							3.99
7.667	0.00	0.88	1.848	IO							3.98
7.750	0.00	0.87	1.842	IO							3.97
7.833	0.00	0.87	1.836	IO							3.96
7.917	0.00	0.87	1.830	IO							3.95
8.000	0.00	0.87	1.824	IO							3.93
8.083	0.00	0.86	1.818	IO							3.92
8.167	0.00	0.86	1.812	IO							3.91
8.250	0.00	0.86	1.806	IO							3.90
8.333	0.00	0.86	1.800	IO							3.89
8.417	0.00	0.86	1.794	IO							3.88
8.500	0.00	0.85	1.788	IO							3.87
8.583	0.00	0.85	1.782	IO							3.86
8.667	0.00	0.85	1.777	IO							3.85
8.750	0.00	0.85	1.771	IO							3.84
8.833	0.00	0.85	1.765	IO							3.83
8.917	0.00	0.84	1.759	IO							3.82
9.000	0.00	0.84	1.753	IO							3.81
9.083	0.00	0.84	1.748	IO							3.80
9.167	0.00	0.84	1.742	IO							3.78
9.250	0.00	0.83	1.736	IO							3.77
9.333	0.00	0.83	1.730	IO							3.76
9.417	0.00	0.83	1.725	IO							3.75
9.500	0.00	0.83	1.719	IO							3.74
9.583	0.00	0.83	1.713	IO							3.73
9.667	0.00	0.82	1.707	IO							3.72
9.750	0.00	0.82	1.702	IO							3.71
9.833	0.00	0.82	1.696	IO							3.70
9.917	0.00	0.82	1.690	IO							3.69
10.000	0.00	0.82	1.685	IO							3.68
10.083	0.00	0.81	1.679	IO							3.67
10.167	0.00	0.81	1.674	IO							3.66
10.250	0.00	0.81	1.668	IO							3.65
10.333	0.00	0.81	1.662	IO							3.64
10.417	0.00	0.81	1.657	IO							3.63
10.500	0.00	0.80	1.651	IO							3.62
10.583	0.00	0.80	1.646	IO							3.61
10.667	0.00	0.80	1.640	IO							3.60
10.750	0.00	0.80	1.635	IO							3.59
10.833	0.00	0.80	1.629	IO							3.58
10.917	0.00	0.79	1.624	IO							3.57
11.000	0.00	0.79	1.618	IO							3.56
11.083	0.00	0.79	1.613	IO							3.55
11.167	0.00	0.79	1.607	IO							3.54
11.250	0.00	0.79	1.602	IO							3.53
11.333	0.00	0.78	1.597	IO							3.52
11.417	0.00	0.78	1.591	IO							3.51
11.500	0.00	0.78	1.586	IO							3.50
11.583	0.00	0.78	1.580	IO							3.49
11.667	0.00	0.78	1.575	IO							3.48
11.750	0.00	0.77	1.570	IO							3.47
11.833	0.00	0.77	1.564	IO							3.46
11.917	0.00	0.77	1.559	IO							3.45
12.000	0.00	0.77	1.554	IO							3.44
12.083	0.00	0.77	1.549	IO							3.43

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

12.167	0.00	0.76	1.543	IO					3.42
12.250	0.00	0.76	1.538	IO					3.41
12.333	0.00	0.76	1.533	IO					3.41
12.417	0.00	0.76	1.528	IO					3.40
12.500	0.00	0.76	1.522	IO					3.39
12.583	0.00	0.76	1.517	IO					3.38
12.667	0.00	0.75	1.512	IO					3.37
12.750	0.00	0.75	1.507	IO					3.36
12.833	0.00	0.75	1.502	IO					3.35
12.917	0.00	0.75	1.496	IO					3.34
13.000	0.00	0.75	1.491	IO					3.33
13.083	0.00	0.74	1.486	IO					3.32
13.167	0.00	0.74	1.481	IO					3.31
13.250	0.00	0.74	1.476	IO					3.30
13.333	0.00	0.74	1.471	IO					3.29
13.417	0.00	0.74	1.466	IO					3.28
13.500	0.00	0.73	1.461	IO					3.27
13.583	0.00	0.73	1.456	IO					3.26
13.667	0.00	0.73	1.451	IO					3.26
13.750	0.00	0.73	1.446	IO					3.25
13.833	0.00	0.73	1.441	IO					3.24
13.917	0.00	0.73	1.436	IO					3.23
14.000	0.00	0.72	1.431	IO					3.22
14.083	0.00	0.72	1.426	IO					3.21
14.167	0.00	0.72	1.421	IO					3.20
14.250	0.00	0.72	1.416	IO					3.19
14.333	0.00	0.72	1.411	IO					3.18
14.417	0.00	0.71	1.406	IO					3.17
14.500	0.00	0.71	1.401	IO					3.17
14.583	0.00	0.71	1.396	IO					3.16
14.667	0.00	0.71	1.391	IO					3.15
14.750	0.00	0.71	1.386	IO					3.14
14.833	0.00	0.71	1.381	IO					3.13
14.917	0.00	0.70	1.376	IO					3.12
15.000	0.00	0.70	1.372	IO					3.11
15.083	0.00	0.70	1.367	IO					3.10
15.167	0.00	0.70	1.362	IO					3.09
15.250	0.00	0.70	1.357	IO					3.09
15.333	0.00	0.70	1.352	IO					3.08
15.417	0.00	0.69	1.348	IO					3.07
15.500	0.00	0.69	1.343	IO					3.06
15.583	0.00	0.69	1.338	IO					3.05
15.667	0.00	0.69	1.333	IO					3.04
15.750	0.00	0.69	1.329	IO					3.03
15.833	0.00	0.69	1.324	IO					3.03
15.917	0.00	0.68	1.319	IO					3.02
16.000	0.00	0.68	1.314	IO					3.01
16.083	0.00	0.68	1.310	IO					3.00
16.167	0.00	0.68	1.305	IO					2.99
16.250	0.00	0.68	1.300	IO					2.98
16.333	0.00	0.67	1.296	IO					2.97
16.417	0.00	0.67	1.291	IO					2.96
16.500	0.00	0.67	1.287	IO					2.95
16.583	0.00	0.67	1.282	IO					2.94
16.667	0.00	0.67	1.277	IO					2.93
16.750	0.00	0.66	1.273	IO					2.93
16.833	0.00	0.66	1.268	IO					2.92
16.917	0.00	0.66	1.264	IO					2.91
17.000	0.00	0.66	1.259	IO					2.90
17.083	0.00	0.66	1.255	IO					2.89
17.167	0.00	0.65	1.250	IO					2.88
17.250	0.00	0.65	1.246	IO					2.87
17.333	0.00	0.65	1.241	IO					2.86
17.417	0.00	0.65	1.237	IO					2.85
17.500	0.00	0.65	1.232	IO					2.84
17.583	0.00	0.64	1.228	IO					2.84
17.667	0.00	0.64	1.223	IO					2.83
17.750	0.00	0.64	1.219	IO					2.82
17.833	0.00	0.64	1.214	IO					2.81
17.917	0.00	0.64	1.210	IO					2.80
18.000	0.00	0.63	1.206	IO					2.79
18.083	0.00	0.63	1.201	IO					2.78

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

18.167	0.00	0.63	1.197	IO					2.77
18.250	0.00	0.63	1.193	IO					2.77
18.333	0.00	0.63	1.188	IO					2.76
18.417	0.00	0.62	1.184	IO					2.75
18.500	0.00	0.62	1.180	IO					2.74
18.583	0.00	0.62	1.175	IO					2.73
18.667	0.00	0.62	1.171	IO					2.72
18.750	0.00	0.62	1.167	IO					2.71
18.833	0.00	0.62	1.163	IO					2.71
18.917	0.00	0.61	1.158	IO					2.70
19.000	0.00	0.61	1.154	IO					2.69
19.083	0.00	0.61	1.150	IO					2.68
19.167	0.00	0.61	1.146	IO					2.67
19.250	0.00	0.61	1.142	IO					2.66
19.333	0.00	0.60	1.138	IO					2.66
19.417	0.00	0.60	1.133	IO					2.65
19.500	0.00	0.60	1.129	IO					2.64
19.583	0.00	0.60	1.125	IO					2.63
19.667	0.00	0.60	1.121	IO					2.62
19.750	0.00	0.60	1.117	IO					2.61
19.833	0.00	0.59	1.113	IO					2.61
19.917	0.00	0.59	1.109	IO					2.60
20.000	0.00	0.59	1.105	IO					2.59
20.083	0.00	0.59	1.101	IO					2.58
20.167	0.00	0.59	1.097	IO					2.57
20.250	0.00	0.58	1.092	IO					2.56
20.333	0.00	0.58	1.088	IO					2.56
20.417	0.00	0.58	1.084	IO					2.55
20.500	0.00	0.58	1.080	IO					2.54
20.583	0.00	0.58	1.076	IO					2.53
20.667	0.00	0.58	1.073	IO					2.53
20.750	0.00	0.57	1.069	IO					2.52
20.833	0.00	0.57	1.065	IO					2.51
20.917	0.00	0.57	1.061	IO					2.50
21.000	0.00	0.57	1.057	IO					2.49
21.083	0.00	0.57	1.053	IO					2.49
21.167	0.00	0.57	1.049	IO					2.48
21.250	0.00	0.56	1.045	O					2.47
21.333	0.00	0.56	1.041	O					2.46
21.417	0.00	0.56	1.037	O					2.45
21.500	0.00	0.56	1.033	O					2.45
21.583	0.00	0.56	1.030	O					2.44
21.667	0.00	0.55	1.026	O					2.43
21.750	0.00	0.55	1.022	O					2.42
21.833	0.00	0.55	1.018	O					2.42
21.917	0.00	0.55	1.014	O					2.41
22.000	0.00	0.55	1.011	O					2.40
22.083	0.00	0.55	1.007	O					2.39
22.167	0.00	0.54	1.003	O					2.39
22.250	0.00	0.54	0.999	O					2.38
22.333	0.00	0.54	0.996	O					2.37
22.417	0.00	0.54	0.992	O					2.36
22.500	0.00	0.54	0.988	O					2.36
22.583	0.00	0.54	0.984	O					2.35
22.667	0.00	0.54	0.981	O					2.34
22.750	0.00	0.53	0.977	O					2.33
22.833	0.00	0.53	0.973	O					2.33
22.917	0.00	0.53	0.970	O					2.32
23.000	0.00	0.53	0.966	O					2.31
23.083	0.00	0.53	0.962	O					2.30
23.167	0.00	0.53	0.959	O					2.30
23.250	0.00	0.52	0.955	O					2.29
23.333	0.00	0.52	0.952	O					2.28
23.417	0.00	0.52	0.948	O					2.28
23.500	0.00	0.52	0.944	O					2.27
23.583	0.00	0.52	0.941	O					2.26
23.667	0.00	0.52	0.937	O					2.25
23.750	0.00	0.51	0.934	O					2.25
23.833	0.00	0.51	0.930	O					2.24
23.917	0.00	0.51	0.927	O					2.23
24.000	0.00	0.51	0.923	O					2.23
24.083	0.00	0.51	0.920	O					2.22

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

24.167	0.00	0.51	0.916	0					2.21
24.250	0.00	0.51	0.913	0					2.21
24.333	0.00	0.50	0.909	0					2.20
24.417	0.00	0.50	0.906	0					2.19
24.500	0.00	0.50	0.902	0					2.18
24.583	0.00	0.50	0.899	0					2.18
24.667	0.00	0.50	0.895	0					2.17
24.750	0.00	0.50	0.892	0					2.16
24.833	0.00	0.49	0.889	0					2.16
24.917	0.00	0.49	0.885	0					2.15
25.000	0.00	0.49	0.882	0					2.14
25.083	0.00	0.49	0.878	0					2.14
25.167	0.00	0.49	0.875	0					2.13
25.250	0.00	0.49	0.872	0					2.12
25.333	0.00	0.49	0.868	0					2.12
25.417	0.00	0.48	0.865	0					2.11
25.500	0.00	0.48	0.862	0					2.10
25.583	0.00	0.48	0.858	0					2.10
25.667	0.00	0.48	0.855	0					2.09
25.750	0.00	0.48	0.852	0					2.08
25.833	0.00	0.48	0.848	0					2.08
25.917	0.00	0.48	0.845	0					2.07
26.000	0.00	0.47	0.842	0					2.06
26.083	0.00	0.47	0.839	0					2.06
26.167	0.00	0.47	0.835	0					2.05
26.250	0.00	0.47	0.832	0					2.04
26.333	0.00	0.47	0.829	0					2.04
26.417	0.00	0.47	0.826	0					2.03
26.500	0.00	0.47	0.823	0					2.03
26.583	0.00	0.46	0.819	0					2.02
26.667	0.00	0.46	0.816	0					2.01
26.750	0.00	0.46	0.813	0					2.01
26.833	0.00	0.46	0.810	0					2.00
26.917	0.00	0.46	0.807	0					1.99
27.000	0.00	0.46	0.803	0					1.99
27.083	0.00	0.46	0.800	0					1.98
27.167	0.00	0.46	0.797	0					1.97
27.250	0.00	0.46	0.794	0					1.96
27.333	0.00	0.45	0.791	0					1.96
27.417	0.00	0.45	0.788	0					1.95
27.500	0.00	0.45	0.785	0					1.94
27.583	0.00	0.45	0.782	0					1.94
27.667	0.00	0.45	0.778	0					1.93
27.750	0.00	0.45	0.775	0					1.92
27.833	0.00	0.45	0.772	0					1.92
27.917	0.00	0.45	0.769	0					1.91
28.000	0.00	0.45	0.766	0					1.90
28.083	0.00	0.45	0.763	0					1.90
28.167	0.00	0.44	0.760	0					1.89
28.250	0.00	0.44	0.757	0					1.88
28.333	0.00	0.44	0.754	0					1.88
28.417	0.00	0.44	0.751	0					1.87
28.500	0.00	0.44	0.748	0					1.86
28.583	0.00	0.44	0.745	0					1.85
28.667	0.00	0.44	0.742	0					1.85
28.750	0.00	0.44	0.739	0					1.84
28.833	0.00	0.44	0.736	0					1.83
28.917	0.00	0.44	0.733	0					1.83
29.000	0.00	0.44	0.730	0					1.82
29.083	0.00	0.43	0.727	0					1.81
29.167	0.00	0.43	0.724	0					1.81
29.250	0.00	0.43	0.721	0					1.80
29.333	0.00	0.43	0.718	0					1.79
29.417	0.00	0.43	0.715	0					1.79
29.500	0.00	0.43	0.712	0					1.78
29.583	0.00	0.43	0.709	0					1.78
29.667	0.00	0.43	0.706	0					1.77
29.750	0.00	0.43	0.703	0					1.76
29.833	0.00	0.43	0.700	0					1.76
29.917	0.00	0.42	0.697	0					1.75
30.000	0.00	0.42	0.694	0					1.74
30.083	0.00	0.42	0.691	0					1.74

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

30.167	0.00	0.42	0.688	0					1.73
30.250	0.00	0.42	0.685	0					1.72
30.333	0.00	0.42	0.683	0					1.72
30.417	0.00	0.42	0.680	0					1.71
30.500	0.00	0.42	0.677	0					1.70
30.583	0.00	0.42	0.674	0					1.70
30.667	0.00	0.42	0.671	0					1.69
30.750	0.00	0.42	0.668	0					1.68
30.833	0.00	0.41	0.665	0					1.68
30.917	0.00	0.41	0.662	0					1.67
31.000	0.00	0.41	0.660	0					1.67
31.083	0.00	0.41	0.657	0					1.66
31.167	0.00	0.41	0.654	0					1.65
31.250	0.00	0.41	0.651	0					1.65
31.333	0.00	0.41	0.648	0					1.64
31.417	0.00	0.41	0.645	0					1.63
31.500	0.00	0.41	0.643	0					1.63
31.583	0.00	0.41	0.640	0					1.62
31.667	0.00	0.41	0.637	0					1.62
31.750	0.00	0.41	0.634	0					1.61
31.833	0.00	0.40	0.631	0					1.60
31.917	0.00	0.40	0.629	0					1.60
32.000	0.00	0.40	0.626	0					1.59
32.083	0.00	0.40	0.623	0					1.58
32.167	0.00	0.40	0.620	0					1.58
32.250	0.00	0.40	0.618	0					1.57
32.333	0.00	0.40	0.615	0					1.57
32.417	0.00	0.40	0.612	0					1.56
32.500	0.00	0.40	0.609	0					1.55
32.583	0.00	0.40	0.607	0					1.55
32.667	0.00	0.40	0.604	0					1.54
32.750	0.00	0.40	0.601	0					1.54
32.833	0.00	0.39	0.598	0					1.53
32.917	0.00	0.39	0.596	0					1.52
33.000	0.00	0.39	0.593	0					1.52
33.083	0.00	0.39	0.590	0					1.51
33.167	0.00	0.39	0.588	0					1.51
33.250	0.00	0.39	0.585	0					1.50
33.333	0.00	0.39	0.582	0					1.49
33.417	0.00	0.39	0.580	0					1.49
33.500	0.00	0.39	0.577	0					1.48
33.583	0.00	0.39	0.574	0					1.48
33.667	0.00	0.39	0.572	0					1.47
33.750	0.00	0.38	0.569	0					1.46
33.833	0.00	0.38	0.566	0					1.46
33.917	0.00	0.38	0.564	0					1.45
34.000	0.00	0.38	0.561	0					1.45
34.083	0.00	0.38	0.558	0					1.44
34.167	0.00	0.38	0.556	0					1.43
34.250	0.00	0.38	0.553	0					1.43
34.333	0.00	0.38	0.551	0					1.42
34.417	0.00	0.38	0.548	0					1.42
34.500	0.00	0.38	0.545	0					1.41
34.583	0.00	0.38	0.543	0					1.41
34.667	0.00	0.38	0.540	0					1.40
34.750	0.00	0.38	0.538	0					1.39
34.833	0.00	0.37	0.535	0					1.39
34.917	0.00	0.37	0.532	0					1.38
35.000	0.00	0.37	0.530	0					1.38
35.083	0.00	0.37	0.527	0					1.37
35.167	0.00	0.37	0.525	0					1.37
35.250	0.00	0.37	0.522	0					1.36
35.333	0.00	0.37	0.520	0					1.35
35.417	0.00	0.37	0.517	0					1.35
35.500	0.00	0.37	0.514	0					1.34
35.583	0.00	0.37	0.512	0					1.34
35.667	0.00	0.37	0.509	0					1.33
35.750	0.00	0.37	0.507	0					1.33
35.833	0.00	0.36	0.504	0					1.32
35.917	0.00	0.36	0.502	0					1.32
36.000	0.00	0.36	0.499	0					1.31
36.083	0.00	0.36	0.497	0					1.30

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

36.167	0.00	0.36	0.494	0					1.30
36.250	0.00	0.36	0.492	0					1.29
36.333	0.00	0.36	0.489	0					1.29
36.417	0.00	0.36	0.487	0					1.28
36.500	0.00	0.36	0.484	0					1.28
36.583	0.00	0.36	0.482	0					1.27
36.667	0.00	0.36	0.480	0					1.27
36.750	0.00	0.36	0.477	0					1.26
36.833	0.00	0.36	0.475	0					1.25
36.917	0.00	0.35	0.472	0					1.25
37.000	0.00	0.35	0.470	0					1.24
37.083	0.00	0.35	0.467	0					1.24
37.167	0.00	0.35	0.465	0					1.23
37.250	0.00	0.35	0.462	0					1.23
37.333	0.00	0.35	0.460	0					1.22
37.417	0.00	0.35	0.458	0					1.22
37.500	0.00	0.35	0.455	0					1.21
37.583	0.00	0.35	0.453	0					1.21
37.667	0.00	0.35	0.450	0					1.20
37.750	0.00	0.35	0.448	0					1.20
37.833	0.00	0.35	0.446	0					1.19
37.917	0.00	0.35	0.443	0					1.18
38.000	0.00	0.35	0.441	0					1.18
38.083	0.00	0.34	0.438	0					1.17
38.167	0.00	0.34	0.436	0					1.17
38.250	0.00	0.34	0.434	0					1.16
38.333	0.00	0.34	0.431	0					1.16
38.417	0.00	0.34	0.429	0					1.15
38.500	0.00	0.34	0.427	0					1.15
38.583	0.00	0.34	0.424	0					1.14
38.667	0.00	0.34	0.422	0					1.14
38.750	0.00	0.34	0.420	0					1.13
38.833	0.00	0.34	0.417	0					1.13
38.917	0.00	0.34	0.415	0					1.12
39.000	0.00	0.34	0.413	0					1.12
39.083	0.00	0.34	0.410	0					1.11
39.167	0.00	0.33	0.408	0					1.11
39.250	0.00	0.33	0.406	0					1.10
39.333	0.00	0.33	0.403	0					1.10
39.417	0.00	0.33	0.401	0					1.09
39.500	0.00	0.33	0.399	0					1.09
39.583	0.00	0.33	0.397	0					1.08
39.667	0.00	0.33	0.394	0					1.08
39.750	0.00	0.33	0.392	0					1.07
39.833	0.00	0.33	0.390	0					1.07
39.917	0.00	0.33	0.387	0					1.06
40.000	0.00	0.33	0.385	0					1.06
40.083	0.00	0.33	0.383	0					1.05
40.167	0.00	0.33	0.381	0					1.05
40.250	0.00	0.33	0.378	0					1.04
40.333	0.00	0.33	0.376	0					1.04
40.417	0.00	0.32	0.374	0					1.03
40.500	0.00	0.32	0.372	0					1.03
40.583	0.00	0.32	0.370	0					1.02
40.667	0.00	0.32	0.367	0					1.02
40.750	0.00	0.32	0.365	0					1.01
40.833	0.00	0.32	0.363	0					1.01
40.917	0.00	0.32	0.361	0					1.00
41.000	0.00	0.32	0.358	0					1.00
41.083	0.00	0.32	0.356	0					0.99
41.167	0.00	0.31	0.354	0					0.98
41.250	0.00	0.31	0.352	0					0.98
41.333	0.00	0.31	0.350	0					0.97
41.417	0.00	0.31	0.348	0					0.97
41.500	0.00	0.31	0.346	0					0.96
41.583	0.00	0.31	0.343	0					0.95
41.667	0.00	0.30	0.341	0					0.95
41.750	0.00	0.30	0.339	0					0.94
41.833	0.00	0.30	0.337	0					0.94
41.917	0.00	0.30	0.335	0					0.93
42.000	0.00	0.30	0.333	0					0.93
42.083	0.00	0.29	0.331	0					0.92

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

42.167	0.00	0.29	0.329	0					0.91
42.250	0.00	0.29	0.327	0					0.91
42.333	0.00	0.29	0.325	0					0.90
42.417	0.00	0.29	0.323	0					0.90
42.500	0.00	0.29	0.321	0					0.89
42.583	0.00	0.28	0.319	0					0.89
42.667	0.00	0.28	0.317	0					0.88
42.750	0.00	0.28	0.315	0					0.88
42.833	0.00	0.28	0.313	0					0.87
42.917	0.00	0.28	0.311	0					0.86
43.000	0.00	0.28	0.309	0					0.86
43.083	0.00	0.27	0.308	0					0.85
43.167	0.00	0.27	0.306	0					0.85
43.250	0.00	0.27	0.304	0					0.84
43.333	0.00	0.27	0.302	0					0.84
43.417	0.00	0.27	0.300	0					0.83
43.500	0.00	0.27	0.298	0					0.83
43.583	0.00	0.26	0.297	0					0.82
43.667	0.00	0.26	0.295	0					0.82
43.750	0.00	0.26	0.293	0					0.81
43.833	0.00	0.26	0.291	0					0.81
43.917	0.00	0.26	0.289	0					0.80
44.000	0.00	0.26	0.288	0					0.80
44.083	0.00	0.25	0.286	0					0.79
44.167	0.00	0.25	0.284	0					0.79
44.250	0.00	0.25	0.282	0					0.78
44.333	0.00	0.25	0.281	0					0.78
44.417	0.00	0.25	0.279	0					0.77
44.500	0.00	0.25	0.277	0					0.77
44.583	0.00	0.24	0.276	0					0.77
44.667	0.00	0.24	0.274	0					0.76
44.750	0.00	0.24	0.272	0					0.76
44.833	0.00	0.24	0.270	0					0.75
44.917	0.00	0.24	0.269	0					0.75
45.000	0.00	0.24	0.267	0					0.74
45.083	0.00	0.24	0.266	0					0.74
45.167	0.00	0.23	0.264	0					0.73
45.250	0.00	0.23	0.262	0					0.73
45.333	0.00	0.23	0.261	0					0.72
45.417	0.00	0.23	0.259	0					0.72
45.500	0.00	0.23	0.258	0					0.72
45.583	0.00	0.23	0.256	0					0.71
45.667	0.00	0.23	0.254	0					0.71
45.750	0.00	0.22	0.253	0					0.70
45.833	0.00	0.22	0.251	0					0.70
45.917	0.00	0.22	0.250	0					0.69
46.000	0.00	0.22	0.248	0					0.69
46.083	0.00	0.22	0.247	0					0.69
46.167	0.00	0.22	0.245	0					0.68
46.250	0.00	0.22	0.244	0					0.68
46.333	0.00	0.22	0.242	0					0.67
46.417	0.00	0.21	0.241	0					0.67
46.500	0.00	0.21	0.239	0					0.66
46.583	0.00	0.21	0.238	0					0.66
46.667	0.00	0.21	0.236	0					0.66
46.750	0.00	0.21	0.235	0					0.65
46.833	0.00	0.21	0.234	0					0.65
46.917	0.00	0.21	0.232	0					0.64
47.000	0.00	0.21	0.231	0					0.64
47.083	0.00	0.20	0.229	0					0.64
47.167	0.00	0.20	0.228	0					0.63
47.250	0.00	0.20	0.226	0					0.63
47.333	0.00	0.20	0.225	0					0.63
47.417	0.00	0.20	0.224	0					0.62
47.500	0.00	0.20	0.222	0					0.62
47.583	0.00	0.20	0.221	0					0.61
47.667	0.00	0.20	0.220	0					0.61
47.750	0.00	0.19	0.218	0					0.61
47.833	0.00	0.19	0.217	0					0.60
47.917	0.00	0.19	0.216	0					0.60
48.000	0.00	0.19	0.214	0					0.60
48.083	0.00	0.19	0.213	0					0.59

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

48.167	0.00	0.19	0.212	0					0.59
48.250	0.00	0.19	0.210	0					0.58
48.333	0.00	0.19	0.209	0					0.58
48.417	0.00	0.18	0.208	0					0.58
48.500	0.00	0.18	0.207	0					0.57
48.583	0.00	0.18	0.205	0					0.57
48.667	0.00	0.18	0.204	0					0.57
48.750	0.00	0.18	0.203	0					0.56
48.833	0.00	0.18	0.202	0					0.56
48.917	0.00	0.18	0.200	0					0.56
49.000	0.00	0.18	0.199	0					0.55
49.083	0.00	0.18	0.198	0					0.55
49.167	0.00	0.17	0.197	0					0.55
49.250	0.00	0.17	0.196	0					0.54
49.333	0.00	0.17	0.194	0					0.54
49.417	0.00	0.17	0.193	0					0.54
49.500	0.00	0.17	0.192	0					0.53
49.583	0.00	0.17	0.191	0					0.53
49.667	0.00	0.17	0.190	0					0.53
49.750	0.00	0.17	0.188	0					0.52
49.833	0.00	0.17	0.187	0					0.52
49.917	0.00	0.17	0.186	0					0.52
50.000	0.00	0.16	0.185	0					0.51
50.083	0.00	0.16	0.184	0					0.51
50.167	0.00	0.16	0.183	0					0.51
50.250	0.00	0.16	0.182	0					0.50
50.333	0.00	0.16	0.181	0					0.50
50.417	0.00	0.16	0.179	0					0.50
50.500	0.00	0.16	0.178	0					0.50
50.583	0.00	0.16	0.177	0					0.49
50.667	0.00	0.16	0.176	0					0.49
50.750	0.00	0.16	0.175	0					0.49
50.833	0.00	0.15	0.174	0					0.48
50.917	0.00	0.15	0.173	0					0.48
51.000	0.00	0.15	0.172	0					0.48
51.083	0.00	0.15	0.171	0					0.47
51.167	0.00	0.15	0.170	0					0.47
51.250	0.00	0.15	0.169	0					0.47
51.333	0.00	0.15	0.168	0					0.47
51.417	0.00	0.15	0.167	0					0.46
51.500	0.00	0.15	0.166	0					0.46
51.583	0.00	0.15	0.165	0					0.46
51.667	0.00	0.15	0.164	0					0.45
51.750	0.00	0.14	0.163	0					0.45
51.833	0.00	0.14	0.162	0					0.45
51.917	0.00	0.14	0.161	0					0.45
52.000	0.00	0.14	0.160	0					0.44
52.083	0.00	0.14	0.159	0					0.44
52.167	0.00	0.14	0.158	0					0.44
52.250	0.00	0.14	0.157	0					0.44
52.333	0.00	0.14	0.156	0					0.43
52.417	0.00	0.14	0.155	0					0.43
52.500	0.00	0.14	0.154	0					0.43
52.583	0.00	0.14	0.153	0					0.43
52.667	0.00	0.14	0.152	0					0.42
52.750	0.00	0.13	0.151	0					0.42
52.833	0.00	0.13	0.150	0					0.42
52.917	0.00	0.13	0.149	0					0.41
53.000	0.00	0.13	0.148	0					0.41
53.083	0.00	0.13	0.148	0					0.41
53.167	0.00	0.13	0.147	0					0.41
53.250	0.00	0.13	0.146	0					0.40
53.333	0.00	0.13	0.145	0					0.40
53.417	0.00	0.13	0.144	0					0.40
53.500	0.00	0.13	0.143	0					0.40
53.583	0.00	0.13	0.142	0					0.40
53.667	0.00	0.13	0.141	0					0.39
53.750	0.00	0.12	0.140	0					0.39
53.833	0.00	0.12	0.140	0					0.39
53.917	0.00	0.12	0.139	0					0.39
54.000	0.00	0.12	0.138	0					0.38
54.083	0.00	0.12	0.137	0					0.38

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

54.167	0.00	0.12	0.136	0					0.38
54.250	0.00	0.12	0.135	0					0.38
54.333	0.00	0.12	0.135	0					0.37
54.417	0.00	0.12	0.134	0					0.37
54.500	0.00	0.12	0.133	0					0.37
54.583	0.00	0.12	0.132	0					0.37
54.667	0.00	0.12	0.131	0					0.36
54.750	0.00	0.12	0.131	0					0.36
54.833	0.00	0.12	0.130	0					0.36
54.917	0.00	0.11	0.129	0					0.36
55.000	0.00	0.11	0.128	0					0.36
55.083	0.00	0.11	0.127	0					0.35
55.167	0.00	0.11	0.127	0					0.35
55.250	0.00	0.11	0.126	0					0.35
55.333	0.00	0.11	0.125	0					0.35
55.417	0.00	0.11	0.124	0					0.35
55.500	0.00	0.11	0.124	0					0.34
55.583	0.00	0.11	0.123	0					0.34
55.667	0.00	0.11	0.122	0					0.34
55.750	0.00	0.11	0.121	0					0.34
55.833	0.00	0.11	0.121	0					0.33
55.917	0.00	0.11	0.120	0					0.33
56.000	0.00	0.11	0.119	0					0.33
56.083	0.00	0.11	0.118	0					0.33
56.167	0.00	0.10	0.118	0					0.33
56.250	0.00	0.10	0.117	0					0.32
56.333	0.00	0.10	0.116	0					0.32
56.417	0.00	0.10	0.116	0					0.32
56.500	0.00	0.10	0.115	0					0.32
56.583	0.00	0.10	0.114	0					0.32
56.667	0.00	0.10	0.113	0					0.32
56.750	0.00	0.10	0.113	0					0.31
56.833	0.00	0.10	0.112	0					0.31
56.917	0.00	0.10	0.111	0					0.31
57.000	0.00	0.10	0.111	0					0.31
57.083	0.00	0.10	0.110	0					0.31
57.167	0.00	0.10	0.109	0					0.30
57.250	0.00	0.10	0.109	0					0.30
57.333	0.00	0.10	0.108	0					0.30
57.417	0.00	0.10	0.107	0					0.30
57.500	0.00	0.09	0.107	0					0.30
57.583	0.00	0.09	0.106	0					0.29
57.667	0.00	0.09	0.105	0					0.29
57.750	0.00	0.09	0.105	0					0.29
57.833	0.00	0.09	0.104	0					0.29
57.917	0.00	0.09	0.103	0					0.29
58.000	0.00	0.09	0.103	0					0.29
58.083	0.00	0.09	0.102	0					0.28
58.167	0.00	0.09	0.102	0					0.28
58.250	0.00	0.09	0.101	0					0.28
58.333	0.00	0.09	0.100	0					0.28
58.417	0.00	0.09	0.100	0					0.28
58.500	0.00	0.09	0.099	0					0.28
58.583	0.00	0.09	0.099	0					0.27
58.667	0.00	0.09	0.098	0					0.27
58.750	0.00	0.09	0.097	0					0.27
58.833	0.00	0.09	0.097	0					0.27
58.917	0.00	0.09	0.096	0					0.27
59.000	0.00	0.08	0.096	0					0.27
59.083	0.00	0.08	0.095	0					0.26
59.167	0.00	0.08	0.094	0					0.26
59.250	0.00	0.08	0.094	0					0.26
59.333	0.00	0.08	0.093	0					0.26
59.417	0.00	0.08	0.093	0					0.26
59.500	0.00	0.08	0.092	0					0.26
59.583	0.00	0.08	0.092	0					0.25
59.667	0.00	0.08	0.091	0					0.25
59.750	0.00	0.08	0.090	0					0.25
59.833	0.00	0.08	0.090	0					0.25
59.917	0.00	0.08	0.089	0					0.25
60.000	0.00	0.08	0.089	0					0.25
60.083	0.00	0.08	0.088	0					0.25

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

60.167	0.00	0.08	0.088	0					0.24
60.250	0.00	0.08	0.087	0					0.24
60.333	0.00	0.08	0.087	0					0.24
60.417	0.00	0.08	0.086	0					0.24
60.500	0.00	0.08	0.086	0					0.24
60.583	0.00	0.08	0.085	0					0.24
60.667	0.00	0.08	0.085	0					0.23
60.750	0.00	0.07	0.084	0					0.23
60.833	0.00	0.07	0.084	0					0.23
60.917	0.00	0.07	0.083	0					0.23
61.000	0.00	0.07	0.082	0					0.23
61.083	0.00	0.07	0.082	0					0.23
61.167	0.00	0.07	0.081	0					0.23
61.250	0.00	0.07	0.081	0					0.22
61.333	0.00	0.07	0.080	0					0.22
61.417	0.00	0.07	0.080	0					0.22
61.500	0.00	0.07	0.080	0					0.22
61.583	0.00	0.07	0.079	0					0.22
61.667	0.00	0.07	0.079	0					0.22
61.750	0.00	0.07	0.078	0					0.22
61.833	0.00	0.07	0.078	0					0.22
61.917	0.00	0.07	0.077	0					0.21
62.000	0.00	0.07	0.077	0					0.21
62.083	0.00	0.07	0.076	0					0.21
62.167	0.00	0.07	0.076	0					0.21
62.250	0.00	0.07	0.075	0					0.21
62.333	0.00	0.07	0.075	0					0.21
62.417	0.00	0.07	0.074	0					0.21
62.500	0.00	0.07	0.074	0					0.21
62.583	0.00	0.07	0.073	0					0.20
62.667	0.00	0.06	0.073	0					0.20
62.750	0.00	0.06	0.073	0					0.20
62.833	0.00	0.06	0.072	0					0.20
62.917	0.00	0.06	0.072	0					0.20
63.000	0.00	0.06	0.071	0					0.20
63.083	0.00	0.06	0.071	0					0.20
63.167	0.00	0.06	0.070	0					0.20
63.250	0.00	0.06	0.070	0					0.19
63.333	0.00	0.06	0.069	0					0.19
63.417	0.00	0.06	0.069	0					0.19
63.500	0.00	0.06	0.069	0					0.19
63.583	0.00	0.06	0.068	0					0.19
63.667	0.00	0.06	0.068	0					0.19
63.750	0.00	0.06	0.067	0					0.19
63.833	0.00	0.06	0.067	0					0.19
63.917	0.00	0.06	0.067	0					0.18
64.000	0.00	0.06	0.066	0					0.18
64.083	0.00	0.06	0.066	0					0.18
64.167	0.00	0.06	0.065	0					0.18
64.250	0.00	0.06	0.065	0					0.18
64.333	0.00	0.06	0.065	0					0.18
64.417	0.00	0.06	0.064	0					0.18
64.500	0.00	0.06	0.064	0					0.18
64.583	0.00	0.06	0.063	0					0.18
64.667	0.00	0.06	0.063	0					0.18
64.750	0.00	0.06	0.063	0					0.17
64.833	0.00	0.06	0.062	0					0.17
64.917	0.00	0.05	0.062	0					0.17
65.000	0.00	0.05	0.061	0					0.17
65.083	0.00	0.05	0.061	0					0.17
65.167	0.00	0.05	0.061	0					0.17
65.250	0.00	0.05	0.060	0					0.17
65.333	0.00	0.05	0.060	0					0.17
65.417	0.00	0.05	0.060	0					0.17
65.500	0.00	0.05	0.059	0					0.16
65.583	0.00	0.05	0.059	0					0.16
65.667	0.00	0.05	0.059	0					0.16
65.750	0.00	0.05	0.058	0					0.16
65.833	0.00	0.05	0.058	0					0.16
65.917	0.00	0.05	0.057	0					0.16
66.000	0.00	0.05	0.057	0					0.16
66.083	0.00	0.05	0.057	0					0.16

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

66.167	0.00	0.05	0.056	0					0.16
66.250	0.00	0.05	0.056	0					0.16
66.333	0.00	0.05	0.056	0					0.15
66.417	0.00	0.05	0.055	0					0.15
66.500	0.00	0.05	0.055	0					0.15
66.583	0.00	0.05	0.055	0					0.15
66.667	0.00	0.05	0.054	0					0.15
66.750	0.00	0.05	0.054	0					0.15
66.833	0.00	0.05	0.054	0					0.15
66.917	0.00	0.05	0.053	0					0.15
67.000	0.00	0.05	0.053	0					0.15
67.083	0.00	0.05	0.053	0					0.15
67.167	0.00	0.05	0.052	0					0.15
67.250	0.00	0.05	0.052	0					0.14
67.333	0.00	0.05	0.052	0					0.14
67.417	0.00	0.05	0.051	0					0.14
67.500	0.00	0.05	0.051	0					0.14
67.583	0.00	0.05	0.051	0					0.14
67.667	0.00	0.04	0.051	0					0.14
67.750	0.00	0.04	0.050	0					0.14
67.833	0.00	0.04	0.050	0					0.14
67.917	0.00	0.04	0.050	0					0.14
68.000	0.00	0.04	0.049	0					0.14
68.083	0.00	0.04	0.049	0					0.14
68.167	0.00	0.04	0.049	0					0.14
68.250	0.00	0.04	0.048	0					0.13
68.333	0.00	0.04	0.048	0					0.13
68.417	0.00	0.04	0.048	0					0.13
68.500	0.00	0.04	0.048	0					0.13
68.583	0.00	0.04	0.047	0					0.13
68.667	0.00	0.04	0.047	0					0.13
68.750	0.00	0.04	0.047	0					0.13
68.833	0.00	0.04	0.046	0					0.13
68.917	0.00	0.04	0.046	0					0.13
69.000	0.00	0.04	0.046	0					0.13
69.083	0.00	0.04	0.046	0					0.13
69.167	0.00	0.04	0.045	0					0.13
69.250	0.00	0.04	0.045	0					0.12
69.333	0.00	0.04	0.045	0					0.12
69.417	0.00	0.04	0.044	0					0.12
69.500	0.00	0.04	0.044	0					0.12
69.583	0.00	0.04	0.044	0					0.12
69.667	0.00	0.04	0.044	0					0.12
69.750	0.00	0.04	0.043	0					0.12
69.833	0.00	0.04	0.043	0					0.12
69.917	0.00	0.04	0.043	0					0.12
70.000	0.00	0.04	0.043	0					0.12
70.083	0.00	0.04	0.042	0					0.12
70.167	0.00	0.04	0.042	0					0.12
70.250	0.00	0.04	0.042	0					0.12
70.333	0.00	0.04	0.042	0					0.12
70.417	0.00	0.04	0.041	0					0.11
70.500	0.00	0.04	0.041	0					0.11
70.583	0.00	0.04	0.041	0					0.11
70.667	0.00	0.04	0.041	0					0.11
70.750	0.00	0.04	0.040	0					0.11
70.833	0.00	0.04	0.040	0					0.11
70.917	0.00	0.04	0.040	0					0.11
71.000	0.00	0.04	0.040	0					0.11
71.083	0.00	0.03	0.039	0					0.11
71.167	0.00	0.03	0.039	0					0.11
71.250	0.00	0.03	0.039	0					0.11
71.333	0.00	0.03	0.039	0					0.11
71.417	0.00	0.03	0.038	0					0.11
71.500	0.00	0.03	0.038	0					0.11
71.583	0.00	0.03	0.038	0					0.11
71.667	0.00	0.03	0.038	0					0.10
71.750	0.00	0.03	0.037	0					0.10
71.833	0.00	0.03	0.037	0					0.10
71.917	0.00	0.03	0.037	0					0.10
72.000	0.00	0.03	0.037	0					0.10
72.083	0.00	0.03	0.037	0					0.10

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

72.167	0.00	0.03	0.036	0					0.10
72.250	0.00	0.03	0.036	0					0.10
72.333	0.00	0.03	0.036	0					0.10
72.417	0.00	0.03	0.036	0					0.10
72.500	0.00	0.03	0.035	0					0.10
72.583	0.00	0.03	0.035	0					0.10
72.667	0.00	0.03	0.035	0					0.10
72.750	0.00	0.03	0.035	0					0.10
72.833	0.00	0.03	0.035	0					0.10
72.917	0.00	0.03	0.034	0					0.10
73.000	0.00	0.03	0.034	0					0.09
73.083	0.00	0.03	0.034	0					0.09
73.167	0.00	0.03	0.034	0					0.09
73.250	0.00	0.03	0.034	0					0.09
73.333	0.00	0.03	0.033	0					0.09
73.417	0.00	0.03	0.033	0					0.09
73.500	0.00	0.03	0.033	0					0.09
73.583	0.00	0.03	0.033	0					0.09
73.667	0.00	0.03	0.033	0					0.09
73.750	0.00	0.03	0.032	0					0.09
73.833	0.00	0.03	0.032	0					0.09
73.917	0.00	0.03	0.032	0					0.09
74.000	0.00	0.03	0.032	0					0.09
74.083	0.00	0.03	0.032	0					0.09
74.167	0.00	0.03	0.031	0					0.09
74.250	0.00	0.03	0.031	0					0.09
74.333	0.00	0.03	0.031	0					0.09
74.417	0.00	0.03	0.031	0					0.09
74.500	0.00	0.03	0.031	0					0.08
74.583	0.00	0.03	0.030	0					0.08
74.667	0.00	0.03	0.030	0					0.08
74.750	0.00	0.03	0.030	0					0.08
74.833	0.00	0.03	0.030	0					0.08
74.917	0.00	0.03	0.030	0					0.08
75.000	0.00	0.03	0.029	0					0.08
75.083	0.00	0.03	0.029	0					0.08
75.167	0.00	0.03	0.029	0					0.08
75.250	0.00	0.03	0.029	0					0.08
75.333	0.00	0.03	0.029	0					0.08
75.417	0.00	0.03	0.029	0					0.08
75.500	0.00	0.03	0.028	0					0.08
75.583	0.00	0.03	0.028	0					0.08
75.667	0.00	0.02	0.028	0					0.08
75.750	0.00	0.02	0.028	0					0.08
75.833	0.00	0.02	0.028	0					0.08
75.917	0.00	0.02	0.028	0					0.08
76.000	0.00	0.02	0.027	0					0.08
76.083	0.00	0.02	0.027	0					0.08
76.167	0.00	0.02	0.027	0					0.08
76.250	0.00	0.02	0.027	0					0.07
76.333	0.00	0.02	0.027	0					0.07
76.417	0.00	0.02	0.027	0					0.07
76.500	0.00	0.02	0.026	0					0.07
76.583	0.00	0.02	0.026	0					0.07
76.667	0.00	0.02	0.026	0					0.07
76.750	0.00	0.02	0.026	0					0.07
76.833	0.00	0.02	0.026	0					0.07
76.917	0.00	0.02	0.026	0					0.07
77.000	0.00	0.02	0.025	0					0.07
77.083	0.00	0.02	0.025	0					0.07
77.167	0.00	0.02	0.025	0					0.07
77.250	0.00	0.02	0.025	0					0.07
77.333	0.00	0.02	0.025	0					0.07
77.417	0.00	0.02	0.025	0					0.07
77.500	0.00	0.02	0.025	0					0.07
77.583	0.00	0.02	0.024	0					0.07
77.667	0.00	0.02	0.024	0					0.07
77.750	0.00	0.02	0.024	0					0.07
77.833	0.00	0.02	0.024	0					0.07
77.917	0.00	0.02	0.024	0					0.07
78.000	0.00	0.02	0.024	0					0.07
78.083	0.00	0.02	0.024	0					0.07

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

78.167	0.00	0.02	0.023	0					0.06
78.250	0.00	0.02	0.023	0					0.06
78.333	0.00	0.02	0.023	0					0.06
78.417	0.00	0.02	0.023	0					0.06
78.500	0.00	0.02	0.023	0					0.06
78.583	0.00	0.02	0.023	0					0.06
78.667	0.00	0.02	0.023	0					0.06
78.750	0.00	0.02	0.022	0					0.06
78.833	0.00	0.02	0.022	0					0.06
78.917	0.00	0.02	0.022	0					0.06
79.000	0.00	0.02	0.022	0					0.06
79.083	0.00	0.02	0.022	0					0.06
79.167	0.00	0.02	0.022	0					0.06
79.250	0.00	0.02	0.022	0					0.06
79.333	0.00	0.02	0.021	0					0.06
79.417	0.00	0.02	0.021	0					0.06
79.500	0.00	0.02	0.021	0					0.06
79.583	0.00	0.02	0.021	0					0.06
79.667	0.00	0.02	0.021	0					0.06
79.750	0.00	0.02	0.021	0					0.06
79.833	0.00	0.02	0.021	0					0.06
79.917	0.00	0.02	0.021	0					0.06
80.000	0.00	0.02	0.020	0					0.06
80.083	0.00	0.02	0.020	0					0.06
80.167	0.00	0.02	0.020	0					0.06
80.250	0.00	0.02	0.020	0					0.06
80.333	0.00	0.02	0.020	0					0.06
80.417	0.00	0.02	0.020	0					0.06
80.500	0.00	0.02	0.020	0					0.05
80.583	0.00	0.02	0.020	0					0.05
80.667	0.00	0.02	0.019	0					0.05
80.750	0.00	0.02	0.019	0					0.05
80.833	0.00	0.02	0.019	0					0.05
80.917	0.00	0.02	0.019	0					0.05
81.000	0.00	0.02	0.019	0					0.05
81.083	0.00	0.02	0.019	0					0.05
81.167	0.00	0.02	0.019	0					0.05
81.250	0.00	0.02	0.019	0					0.05
81.333	0.00	0.02	0.019	0					0.05
81.417	0.00	0.02	0.018	0					0.05
81.500	0.00	0.02	0.018	0					0.05
81.583	0.00	0.02	0.018	0					0.05
81.667	0.00	0.02	0.018	0					0.05
81.750	0.00	0.02	0.018	0					0.05
81.833	0.00	0.02	0.018	0					0.05
81.917	0.00	0.02	0.018	0					0.05
82.000	0.00	0.02	0.018	0					0.05
82.083	0.00	0.02	0.018	0					0.05
82.167	0.00	0.02	0.017	0					0.05
82.250	0.00	0.02	0.017	0					0.05
82.333	0.00	0.02	0.017	0					0.05
82.417	0.00	0.02	0.017	0					0.05
82.500	0.00	0.02	0.017	0					0.05
82.583	0.00	0.02	0.017	0					0.05
82.667	0.00	0.01	0.017	0					0.05
82.750	0.00	0.01	0.017	0					0.05
82.833	0.00	0.01	0.017	0					0.05
82.917	0.00	0.01	0.016	0					0.05
83.000	0.00	0.01	0.016	0					0.05
83.083	0.00	0.01	0.016	0					0.05
83.167	0.00	0.01	0.016	0					0.04
83.250	0.00	0.01	0.016	0					0.04
83.333	0.00	0.01	0.016	0					0.04
83.417	0.00	0.01	0.016	0					0.04
83.500	0.00	0.01	0.016	0					0.04
83.583	0.00	0.01	0.016	0					0.04
83.667	0.00	0.01	0.016	0					0.04
83.750	0.00	0.01	0.016	0					0.04
83.833	0.00	0.01	0.015	0					0.04
83.917	0.00	0.01	0.015	0					0.04
84.000	0.00	0.01	0.015	0					0.04
84.083	0.00	0.01	0.015	0					0.04

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

84.167	0.00	0.01	0.015	0					0.04
84.250	0.00	0.01	0.015	0					0.04
84.333	0.00	0.01	0.015	0					0.04
84.417	0.00	0.01	0.015	0					0.04
84.500	0.00	0.01	0.015	0					0.04
84.583	0.00	0.01	0.015	0					0.04
84.667	0.00	0.01	0.014	0					0.04
84.750	0.00	0.01	0.014	0					0.04
84.833	0.00	0.01	0.014	0					0.04
84.917	0.00	0.01	0.014	0					0.04
85.000	0.00	0.01	0.014	0					0.04
85.083	0.00	0.01	0.014	0					0.04
85.167	0.00	0.01	0.014	0					0.04
85.250	0.00	0.01	0.014	0					0.04
85.333	0.00	0.01	0.014	0					0.04
85.417	0.00	0.01	0.014	0					0.04
85.500	0.00	0.01	0.014	0					0.04
85.583	0.00	0.01	0.014	0					0.04
85.667	0.00	0.01	0.013	0					0.04
85.750	0.00	0.01	0.013	0					0.04
85.833	0.00	0.01	0.013	0					0.04
85.917	0.00	0.01	0.013	0					0.04
86.000	0.00	0.01	0.013	0					0.04
86.083	0.00	0.01	0.013	0					0.04
86.167	0.00	0.01	0.013	0					0.04
86.250	0.00	0.01	0.013	0					0.04
86.333	0.00	0.01	0.013	0					0.04
86.417	0.00	0.01	0.013	0					0.04
86.500	0.00	0.01	0.013	0					0.04
86.583	0.00	0.01	0.013	0					0.03
86.667	0.00	0.01	0.013	0					0.03
86.750	0.00	0.01	0.012	0					0.03
86.833	0.00	0.01	0.012	0					0.03
86.917	0.00	0.01	0.012	0					0.03
87.000	0.00	0.01	0.012	0					0.03
87.083	0.00	0.01	0.012	0					0.03
87.167	0.00	0.01	0.012	0					0.03
87.250	0.00	0.01	0.012	0					0.03
87.333	0.00	0.01	0.012	0					0.03
87.417	0.00	0.01	0.012	0					0.03
87.500	0.00	0.01	0.012	0					0.03
87.583	0.00	0.01	0.012	0					0.03
87.667	0.00	0.01	0.012	0					0.03
87.750	0.00	0.01	0.012	0					0.03
87.833	0.00	0.01	0.011	0					0.03
87.917	0.00	0.01	0.011	0					0.03
88.000	0.00	0.01	0.011	0					0.03
88.083	0.00	0.01	0.011	0					0.03
88.167	0.00	0.01	0.011	0					0.03
88.250	0.00	0.01	0.011	0					0.03
88.333	0.00	0.01	0.011	0					0.03
88.417	0.00	0.01	0.011	0					0.03
88.500	0.00	0.01	0.011	0					0.03
88.583	0.00	0.01	0.011	0					0.03
88.667	0.00	0.01	0.011	0					0.03
88.750	0.00	0.01	0.011	0					0.03
88.833	0.00	0.01	0.011	0					0.03
88.917	0.00	0.01	0.011	0					0.03
89.000	0.00	0.01	0.011	0					0.03
89.083	0.00	0.01	0.010	0					0.03
89.167	0.00	0.01	0.010	0					0.03
89.250	0.00	0.01	0.010	0					0.03
89.333	0.00	0.01	0.010	0					0.03
89.417	0.00	0.01	0.010	0					0.03
89.500	0.00	0.01	0.010	0					0.03
89.583	0.00	0.01	0.010	0					0.03
89.667	0.00	0.01	0.010	0					0.03
89.750	0.00	0.01	0.010	0					0.03
89.833	0.00	0.01	0.010	0					0.03
89.917	0.00	0.01	0.010	0					0.03
90.000	0.00	0.01	0.010	0					0.03
90.083	0.00	0.01	0.010	0					0.03

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

90.167	0.00	0.01	0.010	0					0.03
90.250	0.00	0.01	0.010	0					0.03
90.333	0.00	0.01	0.010	0					0.03
90.417	0.00	0.01	0.010	0					0.03
90.500	0.00	0.01	0.009	0					0.03
90.583	0.00	0.01	0.009	0					0.03
90.667	0.00	0.01	0.009	0					0.03
90.750	0.00	0.01	0.009	0					0.03
90.833	0.00	0.01	0.009	0					0.03
90.917	0.00	0.01	0.009	0					0.03
91.000	0.00	0.01	0.009	0					0.03
91.083	0.00	0.01	0.009	0					0.03
91.167	0.00	0.01	0.009	0					0.02
91.250	0.00	0.01	0.009	0					0.02
91.333	0.00	0.01	0.009	0					0.02
91.417	0.00	0.01	0.009	0					0.02
91.500	0.00	0.01	0.009	0					0.02
91.583	0.00	0.01	0.009	0					0.02
91.667	0.00	0.01	0.009	0					0.02
91.750	0.00	0.01	0.009	0					0.02
91.833	0.00	0.01	0.009	0					0.02
91.917	0.00	0.01	0.009	0					0.02
92.000	0.00	0.01	0.008	0					0.02
92.083	0.00	0.01	0.008	0					0.02
92.167	0.00	0.01	0.008	0					0.02
92.250	0.00	0.01	0.008	0					0.02
92.333	0.00	0.01	0.008	0					0.02
92.417	0.00	0.01	0.008	0					0.02
92.500	0.00	0.01	0.008	0					0.02
92.583	0.00	0.01	0.008	0					0.02
92.667	0.00	0.01	0.008	0					0.02
92.750	0.00	0.01	0.008	0					0.02
92.833	0.00	0.01	0.008	0					0.02
92.917	0.00	0.01	0.008	0					0.02
93.000	0.00	0.01	0.008	0					0.02
93.083	0.00	0.01	0.008	0					0.02
93.167	0.00	0.01	0.008	0					0.02
93.250	0.00	0.01	0.008	0					0.02
93.333	0.00	0.01	0.008	0					0.02
93.417	0.00	0.01	0.008	0					0.02
93.500	0.00	0.01	0.008	0					0.02
93.583	0.00	0.01	0.008	0					0.02
93.667	0.00	0.01	0.007	0					0.02
93.750	0.00	0.01	0.007	0					0.02
93.833	0.00	0.01	0.007	0					0.02
93.917	0.00	0.01	0.007	0					0.02
94.000	0.00	0.01	0.007	0					0.02
94.083	0.00	0.01	0.007	0					0.02
94.167	0.00	0.01	0.007	0					0.02
94.250	0.00	0.01	0.007	0					0.02
94.333	0.00	0.01	0.007	0					0.02
94.417	0.00	0.01	0.007	0					0.02
94.500	0.00	0.01	0.007	0					0.02
94.583	0.00	0.01	0.007	0					0.02
94.667	0.00	0.01	0.007	0					0.02
94.750	0.00	0.01	0.007	0					0.02
94.833	0.00	0.01	0.007	0					0.02
94.917	0.00	0.01	0.007	0					0.02
95.000	0.00	0.01	0.007	0					0.02
95.083	0.00	0.01	0.007	0					0.02
95.167	0.00	0.01	0.007	0					0.02
95.250	0.00	0.01	0.007	0					0.02
95.333	0.00	0.01	0.007	0					0.02
95.417	0.00	0.01	0.007	0					0.02
95.500	0.00	0.01	0.007	0					0.02
95.583	0.00	0.01	0.007	0					0.02
95.667	0.00	0.01	0.006	0					0.02
95.750	0.00	0.01	0.006	0					0.02
95.833	0.00	0.01	0.006	0					0.02
95.917	0.00	0.01	0.006	0					0.02
96.000	0.00	0.01	0.006	0					0.02
96.083	0.00	0.01	0.006	0					0.02

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

96.167	0.00	0.01	0.006	0					0.02
96.250	0.00	0.01	0.006	0					0.02
96.333	0.00	0.01	0.006	0					0.02
96.417	0.00	0.01	0.006	0					0.02
96.500	0.00	0.01	0.006	0					0.02
96.583	0.00	0.01	0.006	0					0.02
96.667	0.00	0.01	0.006	0					0.02
96.750	0.00	0.01	0.006	0					0.02
96.833	0.00	0.01	0.006	0					0.02
96.917	0.00	0.01	0.006	0					0.02
97.000	0.00	0.01	0.006	0					0.02
97.083	0.00	0.01	0.006	0					0.02
97.167	0.00	0.01	0.006	0					0.02
97.250	0.00	0.01	0.006	0					0.02
97.333	0.00	0.01	0.006	0					0.02
97.417	0.00	0.01	0.006	0					0.02
97.500	0.00	0.01	0.006	0					0.02
97.583	0.00	0.00	0.006	0					0.02
97.667	0.00	0.00	0.006	0					0.02
97.750	0.00	0.00	0.006	0					0.02
97.833	0.00	0.00	0.006	0					0.02
97.917	0.00	0.00	0.005	0					0.02
98.000	0.00	0.00	0.005	0					0.02
98.083	0.00	0.00	0.005	0					0.02
98.167	0.00	0.00	0.005	0					0.01
98.250	0.00	0.00	0.005	0					0.01
98.333	0.00	0.00	0.005	0					0.01
98.417	0.00	0.00	0.005	0					0.01
98.500	0.00	0.00	0.005	0					0.01
98.583	0.00	0.00	0.005	0					0.01
98.667	0.00	0.00	0.005	0					0.01
98.750	0.00	0.00	0.005	0					0.01
98.833	0.00	0.00	0.005	0					0.01
98.917	0.00	0.00	0.005	0					0.01
99.000	0.00	0.00	0.005	0					0.01
99.083	0.00	0.00	0.005	0					0.01
99.167	0.00	0.00	0.005	0					0.01
99.250	0.00	0.00	0.005	0					0.01
99.333	0.00	0.00	0.005	0					0.01
99.417	0.00	0.00	0.005	0					0.01
99.500	0.00	0.00	0.005	0					0.01
99.583	0.00	0.00	0.005	0					0.01
99.667	0.00	0.00	0.005	0					0.01
99.750	0.00	0.00	0.005	0					0.01
99.833	0.00	0.00	0.005	0					0.01
99.917	0.00	0.00	0.005	0					0.01
100.000	0.00	0.00	0.005	0					0.01
100.083	0.00	0.00	0.005	0					0.01
100.167	0.00	0.00	0.005	0					0.01
100.250	0.00	0.00	0.005	0					0.01
100.333	0.00	0.00	0.005	0					0.01
100.417	0.00	0.00	0.005	0					0.01
100.500	0.00	0.00	0.005	0					0.01
100.583	0.00	0.00	0.005	0					0.01
100.667	0.00	0.00	0.004	0					0.01
100.750	0.00	0.00	0.004	0					0.01
100.833	0.00	0.00	0.004	0					0.01
100.917	0.00	0.00	0.004	0					0.01
101.000	0.00	0.00	0.004	0					0.01
101.083	0.00	0.00	0.004	0					0.01
101.167	0.00	0.00	0.004	0					0.01
101.250	0.00	0.00	0.004	0					0.01
101.333	0.00	0.00	0.004	0					0.01
101.417	0.00	0.00	0.004	0					0.01
101.500	0.00	0.00	0.004	0					0.01
101.583	0.00	0.00	0.004	0					0.01
101.667	0.00	0.00	0.004	0					0.01
101.750	0.00	0.00	0.004	0					0.01
101.833	0.00	0.00	0.004	0					0.01
101.917	0.00	0.00	0.004	0					0.01
102.000	0.00	0.00	0.004	0					0.01
102.083	0.00	0.00	0.004	0					0.01

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

102.167	0.00	0.00	0.004	o					0.01
102.250	0.00	0.00	0.004	o					0.01
102.333	0.00	0.00	0.004	o					0.01
102.417	0.00	0.00	0.004	o					0.01
102.500	0.00	0.00	0.004	o					0.01
102.583	0.00	0.00	0.004	o					0.01
102.667	0.00	0.00	0.004	o					0.01
102.750	0.00	0.00	0.004	o					0.01
102.833	0.00	0.00	0.004	o					0.01
102.917	0.00	0.00	0.004	o					0.01
103.000	0.00	0.00	0.004	o					0.01
103.083	0.00	0.00	0.004	o					0.01
103.167	0.00	0.00	0.004	o					0.01
103.250	0.00	0.00	0.004	o					0.01
103.333	0.00	0.00	0.004	o					0.01
103.417	0.00	0.00	0.004	o					0.01
103.500	0.00	0.00	0.004	o					0.01
103.583	0.00	0.00	0.004	o					0.01
103.667	0.00	0.00	0.004	o					0.01
103.750	0.00	0.00	0.004	o					0.01
103.833	0.00	0.00	0.004	o					0.01
103.917	0.00	0.00	0.004	o					0.01
104.000	0.00	0.00	0.004	o					0.01
104.083	0.00	0.00	0.003	o					0.01
104.167	0.00	0.00	0.003	o					0.01
104.250	0.00	0.00	0.003	o					0.01
104.333	0.00	0.00	0.003	o					0.01
104.417	0.00	0.00	0.003	o					0.01
104.500	0.00	0.00	0.003	o					0.01
104.583	0.00	0.00	0.003	o					0.01
104.667	0.00	0.00	0.003	o					0.01
104.750	0.00	0.00	0.003	o					0.01
104.833	0.00	0.00	0.003	o					0.01
104.917	0.00	0.00	0.003	o					0.01
105.000	0.00	0.00	0.003	o					0.01
105.083	0.00	0.00	0.003	o					0.01
105.167	0.00	0.00	0.003	o					0.01
105.250	0.00	0.00	0.003	o					0.01
105.333	0.00	0.00	0.003	o					0.01
105.417	0.00	0.00	0.003	o					0.01
105.500	0.00	0.00	0.003	o					0.01
105.583	0.00	0.00	0.003	o					0.01
105.667	0.00	0.00	0.003	o					0.01
105.750	0.00	0.00	0.003	o					0.01
105.833	0.00	0.00	0.003	o					0.01
105.917	0.00	0.00	0.003	o					0.01
106.000	0.00	0.00	0.003	o					0.01
106.083	0.00	0.00	0.003	o					0.01
106.167	0.00	0.00	0.003	o					0.01
106.250	0.00	0.00	0.003	o					0.01
106.333	0.00	0.00	0.003	o					0.01
106.417	0.00	0.00	0.003	o					0.01
106.500	0.00	0.00	0.003	o					0.01
106.583	0.00	0.00	0.003	o					0.01
106.667	0.00	0.00	0.003	o					0.01
106.750	0.00	0.00	0.003	o					0.01
106.833	0.00	0.00	0.003	o					0.01
106.917	0.00	0.00	0.003	o					0.01
107.000	0.00	0.00	0.003	o					0.01
107.083	0.00	0.00	0.003	o					0.01
107.167	0.00	0.00	0.003	o					0.01
107.250	0.00	0.00	0.003	o					0.01
107.333	0.00	0.00	0.003	o					0.01
107.417	0.00	0.00	0.003	o					0.01
107.500	0.00	0.00	0.003	o					0.01
107.583	0.00	0.00	0.003	o					0.01
107.667	0.00	0.00	0.003	o					0.01
107.750	0.00	0.00	0.003	o					0.01
107.833	0.00	0.00	0.003	o					0.01
107.917	0.00	0.00	0.003	o					0.01
108.000	0.00	0.00	0.003	o					0.01
108.083	0.00	0.00	0.003	o					0.01

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

108.167	0.00	0.00	0.003	0					0.01
108.250	0.00	0.00	0.003	0					0.01
108.333	0.00	0.00	0.003	0					0.01
108.417	0.00	0.00	0.003	0					0.01
108.500	0.00	0.00	0.003	0					0.01
108.583	0.00	0.00	0.003	0					0.01
108.667	0.00	0.00	0.002	0					0.01
108.750	0.00	0.00	0.002	0					0.01
108.833	0.00	0.00	0.002	0					0.01
108.917	0.00	0.00	0.002	0					0.01
109.000	0.00	0.00	0.002	0					0.01
109.083	0.00	0.00	0.002	0					0.01
109.167	0.00	0.00	0.002	0					0.01
109.250	0.00	0.00	0.002	0					0.01
109.333	0.00	0.00	0.002	0					0.01
109.417	0.00	0.00	0.002	0					0.01
109.500	0.00	0.00	0.002	0					0.01
109.583	0.00	0.00	0.002	0					0.01
109.667	0.00	0.00	0.002	0					0.01
109.750	0.00	0.00	0.002	0					0.01
109.833	0.00	0.00	0.002	0					0.01
109.917	0.00	0.00	0.002	0					0.01
110.000	0.00	0.00	0.002	0					0.01
110.083	0.00	0.00	0.002	0					0.01
110.167	0.00	0.00	0.002	0					0.01
110.250	0.00	0.00	0.002	0					0.01
110.333	0.00	0.00	0.002	0					0.01
110.417	0.00	0.00	0.002	0					0.01
110.500	0.00	0.00	0.002	0					0.01
110.583	0.00	0.00	0.002	0					0.01
110.667	0.00	0.00	0.002	0					0.01
110.750	0.00	0.00	0.002	0					0.01
110.833	0.00	0.00	0.002	0					0.01
110.917	0.00	0.00	0.002	0					0.01
111.000	0.00	0.00	0.002	0					0.01
111.083	0.00	0.00	0.002	0					0.01
111.167	0.00	0.00	0.002	0					0.01
111.250	0.00	0.00	0.002	0					0.01
111.333	0.00	0.00	0.002	0					0.01
111.417	0.00	0.00	0.002	0					0.01
111.500	0.00	0.00	0.002	0					0.01
111.583	0.00	0.00	0.002	0					0.01
111.667	0.00	0.00	0.002	0					0.01
111.750	0.00	0.00	0.002	0					0.01
111.833	0.00	0.00	0.002	0					0.01
111.917	0.00	0.00	0.002	0					0.01
112.000	0.00	0.00	0.002	0					0.01
112.083	0.00	0.00	0.002	0					0.01
112.167	0.00	0.00	0.002	0					0.01
112.250	0.00	0.00	0.002	0					0.01
112.333	0.00	0.00	0.002	0					0.01
112.417	0.00	0.00	0.002	0					0.01
112.500	0.00	0.00	0.002	0					0.01
112.583	0.00	0.00	0.002	0					0.01
112.667	0.00	0.00	0.002	0					0.01
112.750	0.00	0.00	0.002	0					0.01
112.833	0.00	0.00	0.002	0					0.01
112.917	0.00	0.00	0.002	0					0.01
113.000	0.00	0.00	0.002	0					0.01
113.083	0.00	0.00	0.002	0					0.00
113.167	0.00	0.00	0.002	0					0.00
113.250	0.00	0.00	0.002	0					0.00
113.333	0.00	0.00	0.002	0					0.00
113.417	0.00	0.00	0.002	0					0.00
113.500	0.00	0.00	0.002	0					0.00
113.583	0.00	0.00	0.002	0					0.00
113.667	0.00	0.00	0.002	0					0.00
113.750	0.00	0.00	0.002	0					0.00
113.833	0.00	0.00	0.002	0					0.00
113.917	0.00	0.00	0.002	0					0.00
114.000	0.00	0.00	0.002	0					0.00
114.083	0.00	0.00	0.002	0					0.00

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

114.167	0.00	0.00	0.002	0					0.00
114.250	0.00	0.00	0.002	0					0.00
114.333	0.00	0.00	0.002	0					0.00
114.417	0.00	0.00	0.002	0					0.00
114.500	0.00	0.00	0.002	0					0.00
114.583	0.00	0.00	0.002	0					0.00
114.667	0.00	0.00	0.002	0					0.00
114.750	0.00	0.00	0.002	0					0.00
114.833	0.00	0.00	0.002	0					0.00
114.917	0.00	0.00	0.002	0					0.00
115.000	0.00	0.00	0.002	0					0.00
115.083	0.00	0.00	0.002	0					0.00
115.167	0.00	0.00	0.002	0					0.00
115.250	0.00	0.00	0.002	0					0.00
115.333	0.00	0.00	0.002	0					0.00
115.417	0.00	0.00	0.002	0					0.00
115.500	0.00	0.00	0.002	0					0.00
115.583	0.00	0.00	0.001	0					0.00
115.667	0.00	0.00	0.001	0					0.00
115.750	0.00	0.00	0.001	0					0.00
115.833	0.00	0.00	0.001	0					0.00
115.917	0.00	0.00	0.001	0					0.00
116.000	0.00	0.00	0.001	0					0.00
116.083	0.00	0.00	0.001	0					0.00
116.167	0.00	0.00	0.001	0					0.00
116.250	0.00	0.00	0.001	0					0.00
116.333	0.00	0.00	0.001	0					0.00
116.417	0.00	0.00	0.001	0					0.00
116.500	0.00	0.00	0.001	0					0.00
116.583	0.00	0.00	0.001	0					0.00
116.667	0.00	0.00	0.001	0					0.00
116.750	0.00	0.00	0.001	0					0.00
116.833	0.00	0.00	0.001	0					0.00
116.917	0.00	0.00	0.001	0					0.00
117.000	0.00	0.00	0.001	0					0.00
117.083	0.00	0.00	0.001	0					0.00
117.167	0.00	0.00	0.001	0					0.00
117.250	0.00	0.00	0.001	0					0.00
117.333	0.00	0.00	0.001	0					0.00
117.417	0.00	0.00	0.001	0					0.00
117.500	0.00	0.00	0.001	0					0.00
117.583	0.00	0.00	0.001	0					0.00
117.667	0.00	0.00	0.001	0					0.00
117.750	0.00	0.00	0.001	0					0.00
117.833	0.00	0.00	0.001	0					0.00
117.917	0.00	0.00	0.001	0					0.00
118.000	0.00	0.00	0.001	0					0.00
118.083	0.00	0.00	0.001	0					0.00
118.167	0.00	0.00	0.001	0					0.00
118.250	0.00	0.00	0.001	0					0.00
118.333	0.00	0.00	0.001	0					0.00
118.417	0.00	0.00	0.001	0					0.00
118.500	0.00	0.00	0.001	0					0.00
118.583	0.00	0.00	0.001	0					0.00
118.667	0.00	0.00	0.001	0					0.00
118.750	0.00	0.00	0.001	0					0.00
118.833	0.00	0.00	0.001	0					0.00
118.917	0.00	0.00	0.001	0					0.00
119.000	0.00	0.00	0.001	0					0.00
119.083	0.00	0.00	0.001	0					0.00
119.167	0.00	0.00	0.001	0					0.00
119.250	0.00	0.00	0.001	0					0.00
119.333	0.00	0.00	0.001	0					0.00
119.417	0.00	0.00	0.001	0					0.00
119.500	0.00	0.00	0.001	0					0.00

Remaining water in basin = 0.00 (Ac.Ft)

*****HYDROGRAPH DATA*****
Number of intervals = 1434

Glen Ivy Senior Living

ATTACHMENT D – Detention Basin Routing

Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 2.766 (CFS)
Total volume = 2.329 (Ac.Ft)
Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

Glen Ivy Senior Living

ATTACHMENT D – Detention Basin Routing

FLOOD HYDROGRAPH ROUTING PROGRAM
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 Study date: 08/18/20

 Program License Serial Number 4029

 ***** HYDROGRAPH INFORMATION *****

From study/file name: sh100pr24100.rte
 *****HYDROGRAPH DATA*****
 Number of intervals = 291
 Time interval = 5.0 (Min.)
 Maximum/Peak flow rate = 7.424 (CFS)
 Total volume = 4.215 (Ac.Ft)
 Status of hydrographs being held in storage
 Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
 Peak (CFS) 0.000 0.000 0.000 0.000 0.000
 Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000

+++++
 Process from Point/Station 10.000 to Point/Station 11.000
 **** RETARDING BASIN ROUTING ****

 User entry of depth-outflow-storage data

 Total number of inflow hydrograph intervals = 291
 Hydrograph time unit = 5.000 (Min.)
 Initial depth in storage basin = 0.00 (Ft.)

 Initial basin depth = 0.00 (Ft.)
 Initial basin storage = 0.00 (Ac.Ft)
 Initial basin outflow = 0.00 (CFS)

 Depth vs. Storage and Depth vs. Discharge data:
 Basin Depth Storage Outflow (S-O*dt/2) (S+O*dt/2)
 (Ft.) (Ac.Ft) (CFS) (Ac.Ft) (Ac.Ft)

0.000	0.000	0.000	0.000	0.000
1.000	0.360	0.320	0.359	0.361
2.000	0.810	0.460	0.808	0.812
3.000	1.310	0.680	1.308	1.312
4.000	1.860	0.880	1.857	1.863
5.000	2.470	6.320	2.448	2.492
6.000	3.140	16.140	3.084	3.196

Hydrograph Detention Basin Routing

 Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	Depth (Ft.)
0.083	0.17	0.00	0.001	0.00

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

0.167	0.33	0.00	0.002	OI					0.01
0.250	0.36	0.00	0.005	OI					0.01
0.333	0.46	0.01	0.007	OI					0.02
0.417	0.54	0.01	0.011	O I					0.03
0.500	0.56	0.01	0.014	O I					0.04
0.583	0.56	0.02	0.018	O I					0.05
0.667	0.56	0.02	0.022	O I					0.06
0.750	0.56	0.02	0.026	O I					0.07
0.833	0.65	0.03	0.030	O I					0.08
0.917	0.73	0.03	0.034	O I					0.10
1.000	0.74	0.03	0.039	O I					0.11
1.083	0.67	0.04	0.044	O I					0.12
1.167	0.59	0.04	0.048	O I					0.13
1.250	0.57	0.05	0.051	O I					0.14
1.333	0.56	0.05	0.055	O I					0.15
1.417	0.56	0.05	0.059	O I					0.16
1.500	0.56	0.06	0.062	O I					0.17
1.583	0.56	0.06	0.066	O I					0.18
1.667	0.56	0.06	0.069	O I					0.19
1.750	0.56	0.06	0.072	O I					0.20
1.833	0.65	0.07	0.076	O I					0.21
1.917	0.73	0.07	0.080	O I					0.22
2.000	0.74	0.08	0.085	O I					0.24
2.083	0.75	0.08	0.090	O I					0.25
2.167	0.75	0.08	0.094	O I					0.26
2.250	0.75	0.09	0.099	O I					0.27
2.333	0.75	0.09	0.103	O I					0.29
2.417	0.75	0.10	0.108	O I					0.30
2.500	0.75	0.10	0.112	O I					0.31
2.583	0.83	0.10	0.117	O I					0.33
2.667	0.91	0.11	0.122	O I					0.34
2.750	0.93	0.11	0.128	O I					0.36
2.833	0.94	0.12	0.134	O I					0.37
2.917	0.94	0.12	0.139	O I					0.39
3.000	0.94	0.13	0.145	O I					0.40
3.083	0.94	0.13	0.150	O I					0.42
3.167	0.94	0.14	0.156	O I					0.43
3.250	0.94	0.14	0.161	O I					0.45
3.333	0.94	0.15	0.167	O I					0.46
3.417	0.94	0.15	0.172	O I					0.48
3.500	0.94	0.16	0.178	O I					0.49
3.583	0.94	0.16	0.183	O I					0.51
3.667	0.94	0.17	0.188	O I					0.52
3.750	0.94	0.17	0.194	O I					0.54
3.833	1.02	0.18	0.199	O I					0.55
3.917	1.10	0.18	0.205	O I					0.57
4.000	1.12	0.19	0.212	O I					0.59
4.083	1.13	0.19	0.218	O I					0.61
4.167	1.13	0.20	0.224	O I					0.62
4.250	1.13	0.21	0.231	O I					0.64
4.333	1.21	0.21	0.237	O I					0.66
4.417	1.29	0.22	0.244	O I					0.68
4.500	1.31	0.22	0.252	O I					0.70
4.583	1.31	0.23	0.259	O I					0.72
4.667	1.31	0.24	0.267	O I					0.74
4.750	1.31	0.24	0.274	O I					0.76
4.833	1.40	0.25	0.282	O I					0.78
4.917	1.48	0.26	0.290	O I					0.81
5.000	1.49	0.27	0.298	O I					0.83
5.083	1.33	0.27	0.306	O I					0.85
5.167	1.17	0.28	0.313	O I					0.87
5.250	1.14	0.28	0.319	O I					0.89
5.333	1.21	0.29	0.325	O I					0.90
5.417	1.29	0.29	0.332	O I					0.92
5.500	1.31	0.30	0.339	O I					0.94
5.583	1.40	0.31	0.346	O I					0.96
5.667	1.48	0.31	0.354	O I					0.98
5.750	1.49	0.32	0.362	O I					1.00
5.833	1.50	0.32	0.370	O I					1.02
5.917	1.50	0.33	0.378	O I					1.04
6.000	1.50	0.33	0.386	O I					1.06
6.083	1.58	0.33	0.394	O I					1.08

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

6.167	1.67	0.33	0.403	O	I					1.10
6.250	1.68	0.34	0.412	O	I					1.12
6.333	1.69	0.34	0.422	O	I					1.14
6.417	1.69	0.34	0.431	O	I					1.16
6.500	1.69	0.34	0.440	O	I					1.18
6.583	1.77	0.35	0.450	O	I					1.20
6.667	1.85	0.35	0.460	O	I					1.22
6.750	1.87	0.35	0.470	O	I					1.24
6.833	1.88	0.36	0.481	O	I					1.27
6.917	1.88	0.36	0.491	O	I					1.29
7.000	1.88	0.36	0.502	O	I					1.31
7.083	1.88	0.37	0.512	O	I					1.34
7.167	1.88	0.37	0.522	O	I					1.36
7.250	1.88	0.37	0.533	O	I					1.38
7.333	1.96	0.38	0.543	O	I					1.41
7.417	2.04	0.38	0.554	O	I					1.43
7.500	2.06	0.38	0.566	O	I					1.46
7.583	2.15	0.39	0.578	O	I					1.48
7.667	2.23	0.39	0.590	O	I					1.51
7.750	2.24	0.40	0.603	O	I					1.54
7.833	2.35	0.40	0.616	O	I					1.57
7.917	2.45	0.40	0.630	O	I					1.60
8.000	2.48	0.41	0.644	O	I					1.63
8.083	2.69	0.41	0.659	O	I					1.66
8.167	2.89	0.42	0.675	O	I					1.70
8.250	2.93	0.42	0.692	O	I					1.74
8.333	2.95	0.43	0.710	O	I					1.78
8.417	2.95	0.43	0.727	O	I					1.82
8.500	2.96	0.44	0.744	O	I					1.85
8.583	3.06	0.45	0.762	O	I					1.89
8.667	3.16	0.45	0.780	O	I					1.93
8.750	3.18	0.46	0.799	O	I					1.98
8.833	3.30	0.46	0.818	O	I					2.02
8.917	3.40	0.47	0.838	O	I					2.06
9.000	3.42	0.48	0.858	O	I					2.10
9.083	3.63	0.49	0.879	O	I					2.14
9.167	3.83	0.50	0.902	O	I					2.18
9.250	3.87	0.51	0.925	O	I					2.23
9.333	4.00	0.52	0.948	O	I					2.28
9.417	4.10	0.53	0.972	O	I					2.32
9.500	4.12	0.54	0.997	O	I					2.37
9.583	4.23	0.55	1.022	O	I					2.42
9.667	4.33	0.56	1.048	O	I					2.48
9.750	4.35	0.58	1.074	O	I					2.53
9.833	4.47	0.59	1.100	O	I					2.58
9.917	4.57	0.60	1.127	O	I					2.63
10.000	4.59	0.61	1.154	O	I					2.69
10.083	3.88	0.62	1.179	O	I					2.74
10.167	3.20	0.63	1.199	O	I					2.78
10.250	3.06	0.64	1.216	O	I					2.81
10.333	3.00	0.65	1.233	O	I					2.85
10.417	3.01	0.65	1.249	O	I					2.88
10.500	3.01	0.66	1.265	O	I					2.91
10.583	3.52	0.67	1.283	O	I					2.95
10.667	4.01	0.68	1.304	O	I					2.99
10.750	4.11	0.69	1.328	O	I					3.03
10.833	4.16	0.70	1.351	O	I					3.08
10.917	4.16	0.70	1.375	O	I					3.12
11.000	4.16	0.71	1.399	O	I					3.16
11.083	4.06	0.72	1.423	O	I					3.20
11.167	3.97	0.73	1.445	O	I					3.25
11.250	3.95	0.74	1.467	O	I					3.29
11.333	3.94	0.75	1.489	O	I					3.33
11.417	3.94	0.75	1.511	O	I					3.37
11.500	3.95	0.76	1.533	O	I					3.41
11.583	3.74	0.77	1.555	O	I					3.44
11.667	3.55	0.78	1.574	O	I					3.48
11.750	3.51	0.78	1.593	O	I					3.52
11.833	3.60	0.79	1.612	O	I					3.55
11.917	3.70	0.80	1.632	O	I					3.59
12.000	3.72	0.80	1.652	O	I					3.62
12.083	4.45	0.81	1.675	O	I					3.66

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

12.167	5.14	0.82	1.702		O			I			3.71
12.250	5.27	0.83	1.732		O			I			3.77
12.333	5.44	0.84	1.763		O			I			3.82
12.417	5.54	0.86	1.795		O			I			3.88
12.500	5.56	0.87	1.828		O			I			3.94
12.583	5.78	0.89	1.861		O			I			4.00
12.667	5.98	1.18	1.894			O		I			4.06
12.750	6.02	1.47	1.926			O		I			4.11
12.833	6.14	1.74	1.957			O		I			4.16
12.917	6.24	2.01	1.987			O		I			4.21
13.000	6.26	2.26	2.015			O		I			4.25
13.083	6.78	2.52	2.043			O		I		I	4.30
13.167	7.28	2.79	2.074			O		I		I	4.35
13.250	7.37	3.06	2.104			O		I		I	4.40
13.333	7.42	3.31	2.133			O		I		I	4.45
13.417	7.42	3.56	2.160			O		I		I	4.49
13.500	7.42	3.79	2.186			O		I		I	4.53
13.583	6.30	3.97	2.207			O		I		I	4.57
13.667	5.22	4.08	2.219			O		I		I	4.59
13.750	5.01	4.14	2.226			O		I		I	4.60
13.833	4.91	4.19	2.231			O		I		I	4.61
13.917	4.92	4.23	2.236			O		I		I	4.62
14.000	4.92	4.27	2.241			O		I		I	4.62
14.083	5.33	4.32	2.246			O		I		I	4.63
14.167	5.72	4.40	2.254			O		I		I	4.65
14.250	5.80	4.48	2.263			O		I		I	4.66
14.333	5.74	4.55	2.272			O		I		I	4.68
14.417	5.64	4.62	2.280			O		I		I	4.69
14.500	5.62	4.68	2.286			O		I		I	4.70
14.583	5.62	4.74	2.293			O		I		I	4.71
14.667	5.62	4.79	2.299			O		I		I	4.72
14.750	5.62	4.84	2.304			O		I		I	4.73
14.833	5.52	4.88	2.309			O		I		I	4.74
14.917	5.42	4.92	2.313			O		I		I	4.74
15.000	5.41	4.95	2.316			O		I		I	4.75
15.083	5.30	4.97	2.319			O		I		I	4.75
15.167	5.20	4.99	2.321			O		I		I	4.76
15.250	5.18	5.00	2.322			O		I		I	4.76
15.333	5.07	5.01	2.323			O		I		I	4.76
15.417	4.98	5.01	2.323			O		I		I	4.76
15.500	4.96	5.01	2.323			O		I		I	4.76
15.583	4.54	4.99	2.321			O		I		I	4.76
15.667	4.15	4.95	2.317			O		I		I	4.75
15.750	4.07	4.90	2.311			O		I		I	4.74
15.833	4.04	4.85	2.305			O		I		I	4.73
15.917	4.04	4.80	2.300			O		I		I	4.72
16.000	4.04	4.76	2.295			O		I		I	4.71
16.083	2.57	4.67	2.285			O		I		I	4.70
16.167	1.16	4.50	2.266		I		O		I		4.67
16.250	0.88	4.30	2.243		I		O		I		4.63
16.333	0.75	4.09	2.220		I		O		I		4.59
16.417	0.75	3.89	2.198		I		O		I		4.55
16.500	0.75	3.70	2.177		I		O		I		4.52
16.583	0.67	3.53	2.157		I		O		I		4.49
16.667	0.59	3.35	2.137		I		O		I		4.45
16.750	0.57	3.19	2.119		I		O		I		4.42
16.833	0.56	3.03	2.101		I		O		I		4.40
16.917	0.56	2.88	2.085		I		O		I		4.37
17.000	0.56	2.75	2.069		I		O		I		4.34
17.083	0.73	2.62	2.055		I		O		I		4.32
17.167	0.89	2.51	2.043		I		O		I		4.30
17.250	0.92	2.42	2.032		I		O		I		4.28
17.333	0.94	2.33	2.022		I		O		I		4.27
17.417	0.94	2.25	2.013		I		O		I		4.25
17.500	0.94	2.17	2.004		I		O		I		4.24
17.583	0.94	2.09	1.996		I		O		I		4.22
17.667	0.94	2.03	1.988		I		O		I		4.21
17.750	0.94	1.96	1.981		I		O		I		4.20
17.833	0.85	1.90	1.974		I		O		I		4.19
17.917	0.77	1.83	1.967		I		O		I		4.18
18.000	0.76	1.77	1.960		I		O		I		4.16
18.083	0.75	1.71	1.953		I		O		I		4.15

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

18.167	0.75	1.65	1.947	I	O					4.14
18.250	0.75	1.60	1.940	I	O					4.13
18.333	0.75	1.55	1.935	I	O					4.12
18.417	0.75	1.50	1.930	I	O					4.11
18.500	0.75	1.46	1.924	I	O					4.11
18.583	0.67	1.41	1.920	I	O					4.10
18.667	0.59	1.36	1.914	I	O					4.09
18.750	0.57	1.32	1.909	I	O					4.08
18.833	0.48	1.27	1.904	I	O					4.07
18.917	0.40	1.22	1.898	I	O					4.06
19.000	0.38	1.17	1.893	I	O					4.05
19.083	0.46	1.13	1.888	I	O					4.05
19.167	0.54	1.09	1.883	I	O					4.04
19.250	0.56	1.06	1.880	I	O					4.03
19.333	0.65	1.03	1.877	I	O					4.03
19.417	0.73	1.01	1.874	IO						4.02
19.500	0.74	0.99	1.873	IO						4.02
19.583	0.67	0.98	1.871	I	O					4.02
19.667	0.59	0.95	1.868	I	O					4.01
19.750	0.57	0.93	1.866	I	O					4.01
19.833	0.48	0.91	1.863	IO						4.01
19.917	0.40	0.88	1.860	I	O					4.00
20.000	0.38	0.88	1.857	I	O					3.99
20.083	0.46	0.88	1.853	I	O					3.99
20.167	0.54	0.88	1.851	IO						3.98
20.250	0.56	0.88	1.849	IO						3.98
20.333	0.56	0.88	1.846	IO						3.98
20.417	0.56	0.87	1.844	IO						3.97
20.500	0.56	0.87	1.842	IO						3.97
20.583	0.56	0.87	1.840	IO						3.96
20.667	0.56	0.87	1.838	IO						3.96
20.750	0.56	0.87	1.836	IO						3.96
20.833	0.48	0.87	1.833	IO						3.95
20.917	0.40	0.87	1.830	I	O					3.95
21.000	0.38	0.87	1.827	I	O					3.94
21.083	0.46	0.87	1.824	I	O					3.93
21.167	0.54	0.87	1.821	IO						3.93
21.250	0.56	0.87	1.819	IO						3.93
21.333	0.48	0.86	1.817	IO						3.92
21.417	0.40	0.86	1.814	I	O					3.92
21.500	0.38	0.86	1.811	I	O					3.91
21.583	0.46	0.86	1.808	I	O					3.90
21.667	0.54	0.86	1.805	IO						3.90
21.750	0.56	0.86	1.803	IO						3.90
21.833	0.48	0.86	1.801	IO						3.89
21.917	0.40	0.86	1.798	I	O					3.89
22.000	0.38	0.86	1.795	I	O					3.88
22.083	0.46	0.86	1.792	I	O					3.88
22.167	0.54	0.85	1.789	IO						3.87
22.250	0.56	0.85	1.787	IO						3.87
22.333	0.48	0.85	1.785	IO						3.86
22.417	0.40	0.85	1.782	I	O					3.86
22.500	0.38	0.85	1.779	I	O					3.85
22.583	0.38	0.85	1.775	I	O					3.85
22.667	0.38	0.85	1.772	I	O					3.84
22.750	0.38	0.85	1.769	I	O					3.83
22.833	0.38	0.85	1.766	I	O					3.83
22.917	0.38	0.84	1.762	I	O					3.82
23.000	0.38	0.84	1.759	I	O					3.82
23.083	0.38	0.84	1.756	I	O					3.81
23.167	0.38	0.84	1.753	I	O					3.81
23.250	0.38	0.84	1.750	I	O					3.80
23.333	0.38	0.84	1.746	I	O					3.79
23.417	0.38	0.84	1.743	I	O					3.79
23.500	0.38	0.84	1.740	I	O					3.78
23.583	0.38	0.84	1.737	I	O					3.78
23.667	0.38	0.83	1.734	I	O					3.77
23.750	0.38	0.83	1.731	I	O					3.76
23.833	0.38	0.83	1.727	I	O					3.76
23.917	0.38	0.83	1.724	I	O					3.75
24.000	0.38	0.83	1.721	I	O					3.75
24.083	0.21	0.83	1.717	I	O					3.74

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

24.167	0.05	0.83	1.713	I	O					3.73
24.250	0.01	0.82	1.707	I	O					3.72
24.333	0.00	0.82	1.702	I	O					3.71
24.417	0.00	0.82	1.696	I	O					3.70
24.500	0.00	0.82	1.690	I	O					3.69
24.583	0.00	0.82	1.685	I	O					3.68
24.667	0.00	0.81	1.679	I	O					3.67
24.750	0.00	0.81	1.673	I	O					3.66
24.833	0.00	0.81	1.668	I	O					3.65
24.917	0.00	0.81	1.662	I	O					3.64
25.000	0.00	0.81	1.657	I	O					3.63
25.083	0.00	0.80	1.651	I	O					3.62
25.167	0.00	0.80	1.646	I	O					3.61
25.250	0.00	0.80	1.640	I	O					3.60
25.333	0.00	0.80	1.635	I	O					3.59
25.417	0.00	0.80	1.629	I	O					3.58
25.500	0.00	0.79	1.624	I	O					3.57
25.583	0.00	0.79	1.618	I	O					3.56
25.667	0.00	0.79	1.613	I	O					3.55
25.750	0.00	0.79	1.607	I	O					3.54
25.833	0.00	0.79	1.602	I	O					3.53
25.917	0.00	0.78	1.596	I	O					3.52
26.000	0.00	0.78	1.591	I	O					3.51
26.083	0.00	0.78	1.586	I	O					3.50
26.167	0.00	0.78	1.580	I	O					3.49
26.250	0.00	0.78	1.575	I	O					3.48
26.333	0.00	0.77	1.570	I	O					3.47
26.417	0.00	0.77	1.564	I	O					3.46
26.500	0.00	0.77	1.559	I	O					3.45
26.583	0.00	0.77	1.554	I	O					3.44
26.667	0.00	0.77	1.548	I	O					3.43
26.750	0.00	0.76	1.543	I	O					3.42
26.833	0.00	0.76	1.538	I	O					3.41
26.917	0.00	0.76	1.533	I	O					3.40
27.000	0.00	0.76	1.527	I	O					3.40
27.083	0.00	0.76	1.522	I	O					3.39
27.167	0.00	0.76	1.517	I	O					3.38
27.250	0.00	0.75	1.512	I	O					3.37
27.333	0.00	0.75	1.507	I	O					3.36
27.417	0.00	0.75	1.501	I	O					3.35
27.500	0.00	0.75	1.496	I	O					3.34
27.583	0.00	0.75	1.491	I	O					3.33
27.667	0.00	0.74	1.486	I	O					3.32
27.750	0.00	0.74	1.481	I	O					3.31
27.833	0.00	0.74	1.476	I	O					3.30
27.917	0.00	0.74	1.471	I	O					3.29
28.000	0.00	0.74	1.466	I	O					3.28
28.083	0.00	0.73	1.460	I	O					3.27
28.167	0.00	0.73	1.455	I	O					3.26
28.250	0.00	0.73	1.450	I	O					3.26
28.333	0.00	0.73	1.445	I	O					3.25
28.417	0.00	0.73	1.440	I	O					3.24
28.500	0.00	0.73	1.435	I	O					3.23
28.583	0.00	0.72	1.430	I	O					3.22
28.667	0.00	0.72	1.425	I	O					3.21
28.750	0.00	0.72	1.420	I	O					3.20
28.833	0.00	0.72	1.415	I	O					3.19
28.917	0.00	0.72	1.411	I	O					3.18
29.000	0.00	0.71	1.406	I	O					3.17
29.083	0.00	0.71	1.401	I	O					3.16
29.167	0.00	0.71	1.396	I	O					3.16
29.250	0.00	0.71	1.391	I	O					3.15
29.333	0.00	0.71	1.386	I	O					3.14
29.417	0.00	0.71	1.381	I	O					3.13
29.500	0.00	0.70	1.376	I	O					3.12
29.583	0.00	0.70	1.371	I	O					3.11
29.667	0.00	0.70	1.367	I	O					3.10
29.750	0.00	0.70	1.362	I	O					3.09
29.833	0.00	0.70	1.357	I	O					3.09
29.917	0.00	0.70	1.352	I	O					3.08
30.000	0.00	0.69	1.347	I	O					3.07
30.083	0.00	0.69	1.343	I	O					3.06

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

30.167	0.00	0.69	1.338	I O					3.05
30.250	0.00	0.69	1.333	I O					3.04
30.333	0.00	0.69	1.328	I O					3.03
30.417	0.00	0.68	1.324	I O					3.02
30.500	0.00	0.68	1.319	I O					3.02
30.583	0.00	0.68	1.314	I O					3.01
30.667	0.00	0.68	1.310	I O					3.00
30.750	0.00	0.68	1.305	I O					2.99
30.833	0.00	0.68	1.300	I O					2.98
30.917	0.00	0.67	1.296	I O					2.97
31.000	0.00	0.67	1.291	I O					2.96
31.083	0.00	0.67	1.286	I O					2.95
31.167	0.00	0.67	1.282	I O					2.94
31.250	0.00	0.67	1.277	I O					2.93
31.333	0.00	0.66	1.273	I O					2.93
31.417	0.00	0.66	1.268	I O					2.92
31.500	0.00	0.66	1.263	I O					2.91
31.583	0.00	0.66	1.259	I O					2.90
31.667	0.00	0.66	1.254	I O					2.89
31.750	0.00	0.65	1.250	I O					2.88
31.833	0.00	0.65	1.245	I O					2.87
31.917	0.00	0.65	1.241	I O					2.86
32.000	0.00	0.65	1.236	I O					2.85
32.083	0.00	0.65	1.232	I O					2.84
32.167	0.00	0.64	1.228	I O					2.84
32.250	0.00	0.64	1.223	I O					2.83
32.333	0.00	0.64	1.219	I O					2.82
32.417	0.00	0.64	1.214	I O					2.81
32.500	0.00	0.64	1.210	I O					2.80
32.583	0.00	0.63	1.206	I O					2.79
32.667	0.00	0.63	1.201	I O					2.78
32.750	0.00	0.63	1.197	I O					2.77
32.833	0.00	0.63	1.192	I O					2.76
32.917	0.00	0.63	1.188	I O					2.76
33.000	0.00	0.62	1.184	I O					2.75
33.083	0.00	0.62	1.180	I O					2.74
33.167	0.00	0.62	1.175	I O					2.73
33.250	0.00	0.62	1.171	I O					2.72
33.333	0.00	0.62	1.167	I O					2.71
33.417	0.00	0.62	1.163	I O					2.71
33.500	0.00	0.61	1.158	I O					2.70
33.583	0.00	0.61	1.154	I O					2.69
33.667	0.00	0.61	1.150	I O					2.68
33.750	0.00	0.61	1.146	I O					2.67
33.833	0.00	0.61	1.142	I O					2.66
33.917	0.00	0.60	1.137	I O					2.65
34.000	0.00	0.60	1.133	I O					2.65
34.083	0.00	0.60	1.129	I O					2.64
34.167	0.00	0.60	1.125	I O					2.63
34.250	0.00	0.60	1.121	I O					2.62
34.333	0.00	0.59	1.117	I O					2.61
34.417	0.00	0.59	1.113	I O					2.61
34.500	0.00	0.59	1.109	I O					2.60
34.583	0.00	0.59	1.104	I O					2.59
34.667	0.00	0.59	1.100	I O					2.58
34.750	0.00	0.59	1.096	I O					2.57
34.833	0.00	0.58	1.092	I O					2.56
34.917	0.00	0.58	1.088	I O					2.56
35.000	0.00	0.58	1.084	I O					2.55
35.083	0.00	0.58	1.080	I O					2.54
35.167	0.00	0.58	1.076	I O					2.53
35.250	0.00	0.58	1.072	I O					2.52
35.333	0.00	0.57	1.068	I O					2.52
35.417	0.00	0.57	1.064	I O					2.51
35.500	0.00	0.57	1.061	I O					2.50
35.583	0.00	0.57	1.057	I O					2.49
35.667	0.00	0.57	1.053	I O					2.49
35.750	0.00	0.57	1.049	I O					2.48
35.833	0.00	0.56	1.045	I O					2.47
35.917	0.00	0.56	1.041	I O					2.46
36.000	0.00	0.56	1.037	I O					2.45
36.083	0.00	0.56	1.033	I O					2.45

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

36.167	0.00	0.56	1.029	I O					2.44
36.250	0.00	0.55	1.026	I O					2.43
36.333	0.00	0.55	1.022	I O					2.42
36.417	0.00	0.55	1.018	I O					2.42
36.500	0.00	0.55	1.014	I O					2.41
36.583	0.00	0.55	1.010	I O					2.40
36.667	0.00	0.55	1.007	I O					2.39
36.750	0.00	0.54	1.003	I O					2.39
36.833	0.00	0.54	0.999	I O					2.38
36.917	0.00	0.54	0.995	I O					2.37
37.000	0.00	0.54	0.992	I O					2.36
37.083	0.00	0.54	0.988	I O					2.36
37.167	0.00	0.54	0.984	I O					2.35
37.250	0.00	0.54	0.981	I O					2.34
37.333	0.00	0.53	0.977	I O					2.33
37.417	0.00	0.53	0.973	I O					2.33
37.500	0.00	0.53	0.970	I O					2.32
37.583	0.00	0.53	0.966	I O					2.31
37.667	0.00	0.53	0.962	I O					2.30
37.750	0.00	0.53	0.959	I O					2.30
37.833	0.00	0.52	0.955	I O					2.29
37.917	0.00	0.52	0.952	I O					2.28
38.000	0.00	0.52	0.948	I O					2.28
38.083	0.00	0.52	0.944	I O					2.27
38.167	0.00	0.52	0.941	I O					2.26
38.250	0.00	0.52	0.937	I O					2.25
38.333	0.00	0.51	0.934	I O					2.25
38.417	0.00	0.51	0.930	I O					2.24
38.500	0.00	0.51	0.927	I O					2.23
38.583	0.00	0.51	0.923	I O					2.23
38.667	0.00	0.51	0.920	I O					2.22
38.750	0.00	0.51	0.916	I O					2.21
38.833	0.00	0.51	0.913	I O					2.21
38.917	0.00	0.50	0.909	I O					2.20
39.000	0.00	0.50	0.906	I O					2.19
39.083	0.00	0.50	0.902	I O					2.18
39.167	0.00	0.50	0.899	I O					2.18
39.250	0.00	0.50	0.895	I O					2.17
39.333	0.00	0.50	0.892	I O					2.16
39.417	0.00	0.49	0.888	I O					2.16
39.500	0.00	0.49	0.885	I O					2.15
39.583	0.00	0.49	0.882	I O					2.14
39.667	0.00	0.49	0.878	I O					2.14
39.750	0.00	0.49	0.875	I O					2.13
39.833	0.00	0.49	0.872	I O					2.12
39.917	0.00	0.49	0.868	I O					2.12
40.000	0.00	0.48	0.865	I O					2.11
40.083	0.00	0.48	0.862	I O					2.10
40.167	0.00	0.48	0.858	I O					2.10
40.250	0.00	0.48	0.855	I O					2.09
40.333	0.00	0.48	0.852	I O					2.08
40.417	0.00	0.48	0.848	I O					2.08
40.500	0.00	0.48	0.845	I O					2.07
40.583	0.00	0.47	0.842	I O					2.06
40.667	0.00	0.47	0.839	I O					2.06
40.750	0.00	0.47	0.835	I O					2.05
40.833	0.00	0.47	0.832	I O					2.04
40.917	0.00	0.47	0.829	I O					2.04
41.000	0.00	0.47	0.826	I O					2.03
41.083	0.00	0.47	0.822	I O					2.02
41.167	0.00	0.46	0.819	I O					2.02
41.250	0.00	0.46	0.816	IO					2.01
41.333	0.00	0.46	0.813	IO					2.01
41.417	0.00	0.46	0.810	IO					2.00
41.500	0.00	0.46	0.806	IO					1.99
41.583	0.00	0.46	0.803	IO					1.99
41.667	0.00	0.46	0.800	IO					1.98
41.750	0.00	0.46	0.797	IO					1.97
41.833	0.00	0.45	0.794	IO					1.96
41.917	0.00	0.45	0.791	IO					1.96
42.000	0.00	0.45	0.788	IO					1.95
42.083	0.00	0.45	0.785	IO					1.94

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

42.167	0.00	0.45	0.781	IO					1.94
42.250	0.00	0.45	0.778	IO					1.93
42.333	0.00	0.45	0.775	IO					1.92
42.417	0.00	0.45	0.772	IO					1.92
42.500	0.00	0.45	0.769	IO					1.91
42.583	0.00	0.45	0.766	IO					1.90
42.667	0.00	0.45	0.763	IO					1.90
42.750	0.00	0.44	0.760	IO					1.89
42.833	0.00	0.44	0.757	IO					1.88
42.917	0.00	0.44	0.754	IO					1.87
43.000	0.00	0.44	0.751	IO					1.87
43.083	0.00	0.44	0.748	IO					1.86
43.167	0.00	0.44	0.745	IO					1.85
43.250	0.00	0.44	0.742	IO					1.85
43.333	0.00	0.44	0.739	IO					1.84
43.417	0.00	0.44	0.736	IO					1.83
43.500	0.00	0.44	0.733	IO					1.83
43.583	0.00	0.43	0.730	IO					1.82
43.667	0.00	0.43	0.727	IO					1.81
43.750	0.00	0.43	0.724	IO					1.81
43.833	0.00	0.43	0.721	IO					1.80
43.917	0.00	0.43	0.718	IO					1.79
44.000	0.00	0.43	0.715	IO					1.79
44.083	0.00	0.43	0.712	IO					1.78
44.167	0.00	0.43	0.709	IO					1.77
44.250	0.00	0.43	0.706	IO					1.77
44.333	0.00	0.43	0.703	IO					1.76
44.417	0.00	0.43	0.700	IO					1.76
44.500	0.00	0.42	0.697	IO					1.75
44.583	0.00	0.42	0.694	IO					1.74
44.667	0.00	0.42	0.691	IO					1.74
44.750	0.00	0.42	0.688	IO					1.73
44.833	0.00	0.42	0.685	IO					1.72
44.917	0.00	0.42	0.682	IO					1.72
45.000	0.00	0.42	0.680	IO					1.71
45.083	0.00	0.42	0.677	IO					1.70
45.167	0.00	0.42	0.674	IO					1.70
45.250	0.00	0.42	0.671	IO					1.69
45.333	0.00	0.42	0.668	IO					1.68
45.417	0.00	0.41	0.665	IO					1.68
45.500	0.00	0.41	0.662	IO					1.67
45.583	0.00	0.41	0.659	IO					1.67
45.667	0.00	0.41	0.657	IO					1.66
45.750	0.00	0.41	0.654	IO					1.65
45.833	0.00	0.41	0.651	IO					1.65
45.917	0.00	0.41	0.648	IO					1.64
46.000	0.00	0.41	0.645	IO					1.63
46.083	0.00	0.41	0.643	IO					1.63
46.167	0.00	0.41	0.640	IO					1.62
46.250	0.00	0.41	0.637	IO					1.62
46.333	0.00	0.41	0.634	IO					1.61
46.417	0.00	0.40	0.631	IO					1.60
46.500	0.00	0.40	0.629	IO					1.60
46.583	0.00	0.40	0.626	IO					1.59
46.667	0.00	0.40	0.623	IO					1.58
46.750	0.00	0.40	0.620	IO					1.58
46.833	0.00	0.40	0.617	IO					1.57
46.917	0.00	0.40	0.615	IO					1.57
47.000	0.00	0.40	0.612	IO					1.56
47.083	0.00	0.40	0.609	IO					1.55
47.167	0.00	0.40	0.606	IO					1.55
47.250	0.00	0.40	0.604	IO					1.54
47.333	0.00	0.39	0.601	IO					1.54
47.417	0.00	0.39	0.598	IO					1.53
47.500	0.00	0.39	0.596	IO					1.52
47.583	0.00	0.39	0.593	IO					1.52
47.667	0.00	0.39	0.590	IO					1.51
47.750	0.00	0.39	0.588	IO					1.51
47.833	0.00	0.39	0.585	IO					1.50
47.917	0.00	0.39	0.582	IO					1.49
48.000	0.00	0.39	0.579	IO					1.49
48.083	0.00	0.39	0.577	IO					1.48

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

48.167	0.00	0.39	0.574	IO					1.48
48.250	0.00	0.39	0.571	IO					1.47
48.333	0.00	0.38	0.569	IO					1.46
48.417	0.00	0.38	0.566	IO					1.46
48.500	0.00	0.38	0.564	IO					1.45
48.583	0.00	0.38	0.561	IO					1.45
48.667	0.00	0.38	0.558	IO					1.44
48.750	0.00	0.38	0.556	IO					1.43
48.833	0.00	0.38	0.553	IO					1.43
48.917	0.00	0.38	0.550	IO					1.42
49.000	0.00	0.38	0.548	IO					1.42
49.083	0.00	0.38	0.545	IO					1.41
49.167	0.00	0.38	0.543	IO					1.41
49.250	0.00	0.38	0.540	IO					1.40
49.333	0.00	0.38	0.537	IO					1.39
49.417	0.00	0.37	0.535	IO					1.39
49.500	0.00	0.37	0.532	IO					1.38
49.583	0.00	0.37	0.530	IO					1.38
49.667	0.00	0.37	0.527	IO					1.37
49.750	0.00	0.37	0.525	IO					1.37
49.833	0.00	0.37	0.522	IO					1.36
49.917	0.00	0.37	0.519	IO					1.35
50.000	0.00	0.37	0.517	IO					1.35
50.083	0.00	0.37	0.514	IO					1.34
50.167	0.00	0.37	0.512	IO					1.34
50.250	0.00	0.37	0.509	IO					1.33
50.333	0.00	0.37	0.507	IO					1.33
50.417	0.00	0.36	0.504	IO					1.32
50.500	0.00	0.36	0.502	IO					1.32
50.583	0.00	0.36	0.499	IO					1.31
50.667	0.00	0.36	0.497	IO					1.30
50.750	0.00	0.36	0.494	IO					1.30
50.833	0.00	0.36	0.492	IO					1.29
50.917	0.00	0.36	0.489	IO					1.29
51.000	0.00	0.36	0.487	IO					1.28
51.083	0.00	0.36	0.484	IO					1.28
51.167	0.00	0.36	0.482	IO					1.27
51.250	0.00	0.36	0.479	IO					1.27
51.333	0.00	0.36	0.477	IO					1.26
51.417	0.00	0.36	0.475	IO					1.25
51.500	0.00	0.35	0.472	IO					1.25
51.583	0.00	0.35	0.470	IO					1.24
51.667	0.00	0.35	0.467	IO					1.24
51.750	0.00	0.35	0.465	IO					1.23
51.833	0.00	0.35	0.462	IO					1.23
51.917	0.00	0.35	0.460	IO					1.22
52.000	0.00	0.35	0.457	IO					1.22
52.083	0.00	0.35	0.455	IO					1.21
52.167	0.00	0.35	0.453	IO					1.21
52.250	0.00	0.35	0.450	IO					1.20
52.333	0.00	0.35	0.448	IO					1.20
52.417	0.00	0.35	0.445	IO					1.19
52.500	0.00	0.35	0.443	IO					1.18
52.583	0.00	0.35	0.441	IO					1.18
52.667	0.00	0.34	0.438	IO					1.17
52.750	0.00	0.34	0.436	IO					1.17
52.833	0.00	0.34	0.434	IO					1.16
52.917	0.00	0.34	0.431	IO					1.16
53.000	0.00	0.34	0.429	IO					1.15
53.083	0.00	0.34	0.427	IO					1.15
53.167	0.00	0.34	0.424	IO					1.14
53.250	0.00	0.34	0.422	IO					1.14
53.333	0.00	0.34	0.420	IO					1.13
53.417	0.00	0.34	0.417	IO					1.13
53.500	0.00	0.34	0.415	IO					1.12
53.583	0.00	0.34	0.413	IO					1.12
53.667	0.00	0.34	0.410	IO					1.11
53.750	0.00	0.33	0.408	IO					1.11
53.833	0.00	0.33	0.406	IO					1.10
53.917	0.00	0.33	0.403	IO					1.10
54.000	0.00	0.33	0.401	IO					1.09
54.083	0.00	0.33	0.399	IO					1.09

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

54.167	0.00	0.33	0.396	IO					1.08
54.250	0.00	0.33	0.394	IO					1.08
54.333	0.00	0.33	0.392	IO					1.07
54.417	0.00	0.33	0.390	IO					1.07
54.500	0.00	0.33	0.387	IO					1.06
54.583	0.00	0.33	0.385	IO					1.06
54.667	0.00	0.33	0.383	IO					1.05
54.750	0.00	0.33	0.381	IO					1.05
54.833	0.00	0.33	0.378	IO					1.04
54.917	0.00	0.33	0.376	IO					1.04
55.000	0.00	0.32	0.374	IO					1.03
55.083	0.00	0.32	0.372	IO					1.03
55.167	0.00	0.32	0.369	IO					1.02
55.250	0.00	0.32	0.367	IO					1.02
55.333	0.00	0.32	0.365	IO					1.01
55.417	0.00	0.32	0.363	IO					1.01
55.500	0.00	0.32	0.361	IO					1.00
55.583	0.00	0.32	0.358	IO					1.00
55.667	0.00	0.32	0.356	IO					0.99
55.750	0.00	0.31	0.354	IO					0.98
55.833	0.00	0.31	0.352	IO					0.98
55.917	0.00	0.31	0.350	IO					0.97
56.000	0.00	0.31	0.348	IO					0.97
56.083	0.00	0.31	0.345	IO					0.96
56.167	0.00	0.31	0.343	IO					0.95
56.250	0.00	0.30	0.341	IO					0.95
56.333	0.00	0.30	0.339	IO					0.94
56.417	0.00	0.30	0.337	IO					0.94
56.500	0.00	0.30	0.335	IO					0.93
56.583	0.00	0.30	0.333	IO					0.92
56.667	0.00	0.29	0.331	IO					0.92
56.750	0.00	0.29	0.329	IO					0.91
56.833	0.00	0.29	0.327	IO					0.91
56.917	0.00	0.29	0.325	IO					0.90
57.000	0.00	0.29	0.323	IO					0.90
57.083	0.00	0.29	0.321	IO					0.89
57.167	0.00	0.28	0.319	IO					0.89
57.250	0.00	0.28	0.317	IO					0.88
57.333	0.00	0.28	0.315	IO					0.88
57.417	0.00	0.28	0.313	IO					0.87
57.500	0.00	0.28	0.311	IO					0.86
57.583	0.00	0.28	0.309	IO					0.86
57.667	0.00	0.27	0.308	IO					0.85
57.750	0.00	0.27	0.306	IO					0.85
57.833	0.00	0.27	0.304	IO					0.84
57.917	0.00	0.27	0.302	IO					0.84
58.000	0.00	0.27	0.300	IO					0.83
58.083	0.00	0.27	0.298	IO					0.83
58.167	0.00	0.26	0.296	IO					0.82
58.250	0.00	0.26	0.295	IO					0.82
58.333	0.00	0.26	0.293	IO					0.81
58.417	0.00	0.26	0.291	IO					0.81
58.500	0.00	0.26	0.289	IO					0.80
58.583	0.00	0.26	0.287	IO					0.80
58.667	0.00	0.25	0.286	IO					0.79
58.750	0.00	0.25	0.284	IO					0.79
58.833	0.00	0.25	0.282	IO					0.78
58.917	0.00	0.25	0.281	IO					0.78
59.000	0.00	0.25	0.279	IO					0.77
59.083	0.00	0.25	0.277	IO					0.77
59.167	0.00	0.24	0.275	IO					0.77
59.250	0.00	0.24	0.274	IO					0.76
59.333	0.00	0.24	0.272	IO					0.76
59.417	0.00	0.24	0.270	IO					0.75
59.500	0.00	0.24	0.269	IO					0.75
59.583	0.00	0.24	0.267	IO					0.74
59.667	0.00	0.24	0.266	IO					0.74
59.750	0.00	0.23	0.264	IO					0.73
59.833	0.00	0.23	0.262	IO					0.73
59.917	0.00	0.23	0.261	O					0.72
60.000	0.00	0.23	0.259	O					0.72
60.083	0.00	0.23	0.258	O					0.72

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

60.167	0.00	0.23	0.256	0					0.71
60.250	0.00	0.23	0.254	0					0.71
60.333	0.00	0.22	0.253	0					0.70
60.417	0.00	0.22	0.251	0					0.70
60.500	0.00	0.22	0.250	0					0.69
60.583	0.00	0.22	0.248	0					0.69
60.667	0.00	0.22	0.247	0					0.69
60.750	0.00	0.22	0.245	0					0.68
60.833	0.00	0.22	0.244	0					0.68
60.917	0.00	0.22	0.242	0					0.67
61.000	0.00	0.21	0.241	0					0.67
61.083	0.00	0.21	0.239	0					0.66
61.167	0.00	0.21	0.238	0					0.66
61.250	0.00	0.21	0.236	0					0.66
61.333	0.00	0.21	0.235	0					0.65
61.417	0.00	0.21	0.233	0					0.65
61.500	0.00	0.21	0.232	0					0.64
61.583	0.00	0.21	0.231	0					0.64
61.667	0.00	0.20	0.229	0					0.64
61.750	0.00	0.20	0.228	0					0.63
61.833	0.00	0.20	0.226	0					0.63
61.917	0.00	0.20	0.225	0					0.63
62.000	0.00	0.20	0.224	0					0.62
62.083	0.00	0.20	0.222	0					0.62
62.167	0.00	0.20	0.221	0					0.61
62.250	0.00	0.20	0.220	0					0.61
62.333	0.00	0.19	0.218	0					0.61
62.417	0.00	0.19	0.217	0					0.60
62.500	0.00	0.19	0.216	0					0.60
62.583	0.00	0.19	0.214	0					0.60
62.667	0.00	0.19	0.213	0					0.59
62.750	0.00	0.19	0.212	0					0.59
62.833	0.00	0.19	0.210	0					0.58
62.917	0.00	0.19	0.209	0					0.58
63.000	0.00	0.18	0.208	0					0.58
63.083	0.00	0.18	0.207	0					0.57
63.167	0.00	0.18	0.205	0					0.57
63.250	0.00	0.18	0.204	0					0.57
63.333	0.00	0.18	0.203	0					0.56
63.417	0.00	0.18	0.202	0					0.56
63.500	0.00	0.18	0.200	0					0.56
63.583	0.00	0.18	0.199	0					0.55
63.667	0.00	0.18	0.198	0					0.55
63.750	0.00	0.17	0.197	0					0.55
63.833	0.00	0.17	0.195	0					0.54
63.917	0.00	0.17	0.194	0					0.54
64.000	0.00	0.17	0.193	0					0.54
64.083	0.00	0.17	0.192	0					0.53
64.167	0.00	0.17	0.191	0					0.53
64.250	0.00	0.17	0.190	0					0.53
64.333	0.00	0.17	0.188	0					0.52
64.417	0.00	0.17	0.187	0					0.52
64.500	0.00	0.17	0.186	0					0.52
64.583	0.00	0.16	0.185	0					0.51
64.667	0.00	0.16	0.184	0					0.51
64.750	0.00	0.16	0.183	0					0.51
64.833	0.00	0.16	0.182	0					0.50
64.917	0.00	0.16	0.181	0					0.50
65.000	0.00	0.16	0.179	0					0.50
65.083	0.00	0.16	0.178	0					0.50
65.167	0.00	0.16	0.177	0					0.49
65.250	0.00	0.16	0.176	0					0.49
65.333	0.00	0.16	0.175	0					0.49
65.417	0.00	0.15	0.174	0					0.48
65.500	0.00	0.15	0.173	0					0.48
65.583	0.00	0.15	0.172	0					0.48
65.667	0.00	0.15	0.171	0					0.47
65.750	0.00	0.15	0.170	0					0.47
65.833	0.00	0.15	0.169	0					0.47
65.917	0.00	0.15	0.168	0					0.47
66.000	0.00	0.15	0.167	0					0.46
66.083	0.00	0.15	0.166	0					0.46

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

66.167	0.00	0.15	0.165	0					0.46
66.250	0.00	0.15	0.164	0					0.45
66.333	0.00	0.14	0.163	0					0.45
66.417	0.00	0.14	0.162	0					0.45
66.500	0.00	0.14	0.161	0					0.45
66.583	0.00	0.14	0.160	0					0.44
66.667	0.00	0.14	0.159	0					0.44
66.750	0.00	0.14	0.158	0					0.44
66.833	0.00	0.14	0.157	0					0.44
66.917	0.00	0.14	0.156	0					0.43
67.000	0.00	0.14	0.155	0					0.43
67.083	0.00	0.14	0.154	0					0.43
67.167	0.00	0.14	0.153	0					0.43
67.250	0.00	0.14	0.152	0					0.42
67.333	0.00	0.13	0.151	0					0.42
67.417	0.00	0.13	0.150	0					0.42
67.500	0.00	0.13	0.149	0					0.41
67.583	0.00	0.13	0.148	0					0.41
67.667	0.00	0.13	0.148	0					0.41
67.750	0.00	0.13	0.147	0					0.41
67.833	0.00	0.13	0.146	0					0.40
67.917	0.00	0.13	0.145	0					0.40
68.000	0.00	0.13	0.144	0					0.40
68.083	0.00	0.13	0.143	0					0.40
68.167	0.00	0.13	0.142	0					0.39
68.250	0.00	0.13	0.141	0					0.39
68.333	0.00	0.12	0.140	0					0.39
68.417	0.00	0.12	0.140	0					0.39
68.500	0.00	0.12	0.139	0					0.39
68.583	0.00	0.12	0.138	0					0.38
68.667	0.00	0.12	0.137	0					0.38
68.750	0.00	0.12	0.136	0					0.38
68.833	0.00	0.12	0.135	0					0.38
68.917	0.00	0.12	0.135	0					0.37
69.000	0.00	0.12	0.134	0					0.37
69.083	0.00	0.12	0.133	0					0.37
69.167	0.00	0.12	0.132	0					0.37
69.250	0.00	0.12	0.131	0					0.36
69.333	0.00	0.12	0.131	0					0.36
69.417	0.00	0.12	0.130	0					0.36
69.500	0.00	0.11	0.129	0					0.36
69.583	0.00	0.11	0.128	0					0.36
69.667	0.00	0.11	0.127	0					0.35
69.750	0.00	0.11	0.127	0					0.35
69.833	0.00	0.11	0.126	0					0.35
69.917	0.00	0.11	0.125	0					0.35
70.000	0.00	0.11	0.124	0					0.35
70.083	0.00	0.11	0.124	0					0.34
70.167	0.00	0.11	0.123	0					0.34
70.250	0.00	0.11	0.122	0					0.34
70.333	0.00	0.11	0.121	0					0.34
70.417	0.00	0.11	0.121	0					0.33
70.500	0.00	0.11	0.120	0					0.33
70.583	0.00	0.11	0.119	0					0.33
70.667	0.00	0.11	0.118	0					0.33
70.750	0.00	0.10	0.118	0					0.33
70.833	0.00	0.10	0.117	0					0.32
70.917	0.00	0.10	0.116	0					0.32
71.000	0.00	0.10	0.115	0					0.32
71.083	0.00	0.10	0.115	0					0.32
71.167	0.00	0.10	0.114	0					0.32
71.250	0.00	0.10	0.113	0					0.31
71.333	0.00	0.10	0.113	0					0.31
71.417	0.00	0.10	0.112	0					0.31
71.500	0.00	0.10	0.111	0					0.31
71.583	0.00	0.10	0.111	0					0.31
71.667	0.00	0.10	0.110	0					0.31
71.750	0.00	0.10	0.109	0					0.30
71.833	0.00	0.10	0.109	0					0.30
71.917	0.00	0.10	0.108	0					0.30
72.000	0.00	0.10	0.107	0					0.30
72.083	0.00	0.09	0.107	0					0.30

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

72.167	0.00	0.09	0.106	0					0.29
72.250	0.00	0.09	0.105	0					0.29
72.333	0.00	0.09	0.105	0					0.29
72.417	0.00	0.09	0.104	0					0.29
72.500	0.00	0.09	0.103	0					0.29
72.583	0.00	0.09	0.103	0					0.29
72.667	0.00	0.09	0.102	0					0.28
72.750	0.00	0.09	0.102	0					0.28
72.833	0.00	0.09	0.101	0					0.28
72.917	0.00	0.09	0.100	0					0.28
73.000	0.00	0.09	0.100	0					0.28
73.083	0.00	0.09	0.099	0					0.28
73.167	0.00	0.09	0.098	0					0.27
73.250	0.00	0.09	0.098	0					0.27
73.333	0.00	0.09	0.097	0					0.27
73.417	0.00	0.09	0.097	0					0.27
73.500	0.00	0.09	0.096	0					0.27
73.583	0.00	0.08	0.096	0					0.27
73.667	0.00	0.08	0.095	0					0.26
73.750	0.00	0.08	0.094	0					0.26
73.833	0.00	0.08	0.094	0					0.26
73.917	0.00	0.08	0.093	0					0.26
74.000	0.00	0.08	0.093	0					0.26
74.083	0.00	0.08	0.092	0					0.26
74.167	0.00	0.08	0.092	0					0.25
74.250	0.00	0.08	0.091	0					0.25
74.333	0.00	0.08	0.090	0					0.25
74.417	0.00	0.08	0.090	0					0.25
74.500	0.00	0.08	0.089	0					0.25
74.583	0.00	0.08	0.089	0					0.25
74.667	0.00	0.08	0.088	0					0.25
74.750	0.00	0.08	0.088	0					0.24
74.833	0.00	0.08	0.087	0					0.24
74.917	0.00	0.08	0.087	0					0.24
75.000	0.00	0.08	0.086	0					0.24
75.083	0.00	0.08	0.086	0					0.24
75.167	0.00	0.08	0.085	0					0.24
75.250	0.00	0.08	0.085	0					0.23
75.333	0.00	0.07	0.084	0					0.23
75.417	0.00	0.07	0.083	0					0.23
75.500	0.00	0.07	0.083	0					0.23
75.583	0.00	0.07	0.082	0					0.23
75.667	0.00	0.07	0.082	0					0.23
75.750	0.00	0.07	0.081	0					0.23
75.833	0.00	0.07	0.081	0					0.22
75.917	0.00	0.07	0.080	0					0.22
76.000	0.00	0.07	0.080	0					0.22
76.083	0.00	0.07	0.079	0					0.22
76.167	0.00	0.07	0.079	0					0.22
76.250	0.00	0.07	0.079	0					0.22
76.333	0.00	0.07	0.078	0					0.22
76.417	0.00	0.07	0.078	0					0.22
76.500	0.00	0.07	0.077	0					0.21
76.583	0.00	0.07	0.077	0					0.21
76.667	0.00	0.07	0.076	0					0.21
76.750	0.00	0.07	0.076	0					0.21
76.833	0.00	0.07	0.075	0					0.21
76.917	0.00	0.07	0.075	0					0.21
77.000	0.00	0.07	0.074	0					0.21
77.083	0.00	0.07	0.074	0					0.21
77.167	0.00	0.07	0.073	0					0.20
77.250	0.00	0.06	0.073	0					0.20
77.333	0.00	0.06	0.073	0					0.20
77.417	0.00	0.06	0.072	0					0.20
77.500	0.00	0.06	0.072	0					0.20
77.583	0.00	0.06	0.071	0					0.20
77.667	0.00	0.06	0.071	0					0.20
77.750	0.00	0.06	0.070	0					0.20
77.833	0.00	0.06	0.070	0					0.19
77.917	0.00	0.06	0.069	0					0.19
78.000	0.00	0.06	0.069	0					0.19
78.083	0.00	0.06	0.069	0					0.19

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

78.167	0.00	0.06	0.068	0					0.19
78.250	0.00	0.06	0.068	0					0.19
78.333	0.00	0.06	0.067	0					0.19
78.417	0.00	0.06	0.067	0					0.19
78.500	0.00	0.06	0.067	0					0.18
78.583	0.00	0.06	0.066	0					0.18
78.667	0.00	0.06	0.066	0					0.18
78.750	0.00	0.06	0.065	0					0.18
78.833	0.00	0.06	0.065	0					0.18
78.917	0.00	0.06	0.065	0					0.18
79.000	0.00	0.06	0.064	0					0.18
79.083	0.00	0.06	0.064	0					0.18
79.167	0.00	0.06	0.063	0					0.18
79.250	0.00	0.06	0.063	0					0.17
79.333	0.00	0.06	0.063	0					0.17
79.417	0.00	0.06	0.062	0					0.17
79.500	0.00	0.05	0.062	0					0.17
79.583	0.00	0.05	0.061	0					0.17
79.667	0.00	0.05	0.061	0					0.17
79.750	0.00	0.05	0.061	0					0.17
79.833	0.00	0.05	0.060	0					0.17
79.917	0.00	0.05	0.060	0					0.17
80.000	0.00	0.05	0.060	0					0.17
80.083	0.00	0.05	0.059	0					0.16
80.167	0.00	0.05	0.059	0					0.16
80.250	0.00	0.05	0.059	0					0.16
80.333	0.00	0.05	0.058	0					0.16
80.417	0.00	0.05	0.058	0					0.16
80.500	0.00	0.05	0.057	0					0.16
80.583	0.00	0.05	0.057	0					0.16
80.667	0.00	0.05	0.057	0					0.16
80.750	0.00	0.05	0.056	0					0.16
80.833	0.00	0.05	0.056	0					0.16
80.917	0.00	0.05	0.056	0					0.15
81.000	0.00	0.05	0.055	0					0.15
81.083	0.00	0.05	0.055	0					0.15
81.167	0.00	0.05	0.055	0					0.15
81.250	0.00	0.05	0.054	0					0.15
81.333	0.00	0.05	0.054	0					0.15
81.417	0.00	0.05	0.054	0					0.15
81.500	0.00	0.05	0.053	0					0.15
81.583	0.00	0.05	0.053	0					0.15
81.667	0.00	0.05	0.053	0					0.15
81.750	0.00	0.05	0.052	0					0.15
81.833	0.00	0.05	0.052	0					0.14
81.917	0.00	0.05	0.052	0					0.14
82.000	0.00	0.05	0.051	0					0.14
82.083	0.00	0.05	0.051	0					0.14
82.167	0.00	0.05	0.051	0					0.14
82.250	0.00	0.04	0.051	0					0.14
82.333	0.00	0.04	0.050	0					0.14
82.417	0.00	0.04	0.050	0					0.14
82.500	0.00	0.04	0.050	0					0.14
82.583	0.00	0.04	0.049	0					0.14
82.667	0.00	0.04	0.049	0					0.14
82.750	0.00	0.04	0.049	0					0.14
82.833	0.00	0.04	0.048	0					0.13
82.917	0.00	0.04	0.048	0					0.13
83.000	0.00	0.04	0.048	0					0.13
83.083	0.00	0.04	0.048	0					0.13
83.167	0.00	0.04	0.047	0					0.13
83.250	0.00	0.04	0.047	0					0.13
83.333	0.00	0.04	0.047	0					0.13
83.417	0.00	0.04	0.046	0					0.13
83.500	0.00	0.04	0.046	0					0.13
83.583	0.00	0.04	0.046	0					0.13
83.667	0.00	0.04	0.046	0					0.13
83.750	0.00	0.04	0.045	0					0.13
83.833	0.00	0.04	0.045	0					0.12
83.917	0.00	0.04	0.045	0					0.12
84.000	0.00	0.04	0.044	0					0.12
84.083	0.00	0.04	0.044	0					0.12

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

84.167	0.00	0.04	0.044	0					0.12
84.250	0.00	0.04	0.044	0					0.12
84.333	0.00	0.04	0.043	0					0.12
84.417	0.00	0.04	0.043	0					0.12
84.500	0.00	0.04	0.043	0					0.12
84.583	0.00	0.04	0.043	0					0.12
84.667	0.00	0.04	0.042	0					0.12
84.750	0.00	0.04	0.042	0					0.12
84.833	0.00	0.04	0.042	0					0.12
84.917	0.00	0.04	0.042	0					0.12
85.000	0.00	0.04	0.041	0					0.11
85.083	0.00	0.04	0.041	0					0.11
85.167	0.00	0.04	0.041	0					0.11
85.250	0.00	0.04	0.041	0					0.11
85.333	0.00	0.04	0.040	0					0.11
85.417	0.00	0.04	0.040	0					0.11
85.500	0.00	0.04	0.040	0					0.11
85.583	0.00	0.04	0.040	0					0.11
85.667	0.00	0.03	0.039	0					0.11
85.750	0.00	0.03	0.039	0					0.11
85.833	0.00	0.03	0.039	0					0.11
85.917	0.00	0.03	0.039	0					0.11
86.000	0.00	0.03	0.038	0					0.11
86.083	0.00	0.03	0.038	0					0.11
86.167	0.00	0.03	0.038	0					0.11
86.250	0.00	0.03	0.038	0					0.10
86.333	0.00	0.03	0.037	0					0.10
86.417	0.00	0.03	0.037	0					0.10
86.500	0.00	0.03	0.037	0					0.10
86.583	0.00	0.03	0.037	0					0.10
86.667	0.00	0.03	0.037	0					0.10
86.750	0.00	0.03	0.036	0					0.10
86.833	0.00	0.03	0.036	0					0.10
86.917	0.00	0.03	0.036	0					0.10
87.000	0.00	0.03	0.036	0					0.10
87.083	0.00	0.03	0.035	0					0.10
87.167	0.00	0.03	0.035	0					0.10
87.250	0.00	0.03	0.035	0					0.10
87.333	0.00	0.03	0.035	0					0.10
87.417	0.00	0.03	0.035	0					0.10
87.500	0.00	0.03	0.034	0					0.10
87.583	0.00	0.03	0.034	0					0.09
87.667	0.00	0.03	0.034	0					0.09
87.750	0.00	0.03	0.034	0					0.09
87.833	0.00	0.03	0.034	0					0.09
87.917	0.00	0.03	0.033	0					0.09
88.000	0.00	0.03	0.033	0					0.09
88.083	0.00	0.03	0.033	0					0.09
88.167	0.00	0.03	0.033	0					0.09
88.250	0.00	0.03	0.033	0					0.09
88.333	0.00	0.03	0.032	0					0.09
88.417	0.00	0.03	0.032	0					0.09
88.500	0.00	0.03	0.032	0					0.09
88.583	0.00	0.03	0.032	0					0.09
88.667	0.00	0.03	0.032	0					0.09
88.750	0.00	0.03	0.031	0					0.09
88.833	0.00	0.03	0.031	0					0.09
88.917	0.00	0.03	0.031	0					0.09
89.000	0.00	0.03	0.031	0					0.09
89.083	0.00	0.03	0.031	0					0.08
89.167	0.00	0.03	0.030	0					0.08
89.250	0.00	0.03	0.030	0					0.08
89.333	0.00	0.03	0.030	0					0.08
89.417	0.00	0.03	0.030	0					0.08
89.500	0.00	0.03	0.030	0					0.08
89.583	0.00	0.03	0.029	0					0.08
89.667	0.00	0.03	0.029	0					0.08
89.750	0.00	0.03	0.029	0					0.08
89.833	0.00	0.03	0.029	0					0.08
89.917	0.00	0.03	0.029	0					0.08
90.000	0.00	0.03	0.029	0					0.08
90.083	0.00	0.03	0.028	0					0.08

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

90.167	0.00	0.03	0.028	0					0.08
90.250	0.00	0.02	0.028	0					0.08
90.333	0.00	0.02	0.028	0					0.08
90.417	0.00	0.02	0.028	0					0.08
90.500	0.00	0.02	0.028	0					0.08
90.583	0.00	0.02	0.027	0					0.08
90.667	0.00	0.02	0.027	0					0.08
90.750	0.00	0.02	0.027	0					0.08
90.833	0.00	0.02	0.027	0					0.07
90.917	0.00	0.02	0.027	0					0.07
91.000	0.00	0.02	0.027	0					0.07
91.083	0.00	0.02	0.026	0					0.07
91.167	0.00	0.02	0.026	0					0.07
91.250	0.00	0.02	0.026	0					0.07
91.333	0.00	0.02	0.026	0					0.07
91.417	0.00	0.02	0.026	0					0.07
91.500	0.00	0.02	0.026	0					0.07
91.583	0.00	0.02	0.025	0					0.07
91.667	0.00	0.02	0.025	0					0.07
91.750	0.00	0.02	0.025	0					0.07
91.833	0.00	0.02	0.025	0					0.07
91.917	0.00	0.02	0.025	0					0.07
92.000	0.00	0.02	0.025	0					0.07
92.083	0.00	0.02	0.025	0					0.07
92.167	0.00	0.02	0.024	0					0.07
92.250	0.00	0.02	0.024	0					0.07
92.333	0.00	0.02	0.024	0					0.07
92.417	0.00	0.02	0.024	0					0.07
92.500	0.00	0.02	0.024	0					0.07
92.583	0.00	0.02	0.024	0					0.07
92.667	0.00	0.02	0.024	0					0.07
92.750	0.00	0.02	0.023	0					0.06
92.833	0.00	0.02	0.023	0					0.06
92.917	0.00	0.02	0.023	0					0.06
93.000	0.00	0.02	0.023	0					0.06
93.083	0.00	0.02	0.023	0					0.06
93.167	0.00	0.02	0.023	0					0.06
93.250	0.00	0.02	0.023	0					0.06
93.333	0.00	0.02	0.022	0					0.06
93.417	0.00	0.02	0.022	0					0.06
93.500	0.00	0.02	0.022	0					0.06
93.583	0.00	0.02	0.022	0					0.06
93.667	0.00	0.02	0.022	0					0.06
93.750	0.00	0.02	0.022	0					0.06
93.833	0.00	0.02	0.022	0					0.06
93.917	0.00	0.02	0.021	0					0.06
94.000	0.00	0.02	0.021	0					0.06
94.083	0.00	0.02	0.021	0					0.06
94.167	0.00	0.02	0.021	0					0.06
94.250	0.00	0.02	0.021	0					0.06
94.333	0.00	0.02	0.021	0					0.06
94.417	0.00	0.02	0.021	0					0.06
94.500	0.00	0.02	0.021	0					0.06
94.583	0.00	0.02	0.020	0					0.06
94.667	0.00	0.02	0.020	0					0.06
94.750	0.00	0.02	0.020	0					0.06
94.833	0.00	0.02	0.020	0					0.06
94.917	0.00	0.02	0.020	0					0.06
95.000	0.00	0.02	0.020	0					0.06
95.083	0.00	0.02	0.020	0					0.05
95.167	0.00	0.02	0.020	0					0.05
95.250	0.00	0.02	0.019	0					0.05
95.333	0.00	0.02	0.019	0					0.05
95.417	0.00	0.02	0.019	0					0.05
95.500	0.00	0.02	0.019	0					0.05
95.583	0.00	0.02	0.019	0					0.05
95.667	0.00	0.02	0.019	0					0.05
95.750	0.00	0.02	0.019	0					0.05
95.833	0.00	0.02	0.019	0					0.05
95.917	0.00	0.02	0.019	0					0.05
96.000	0.00	0.02	0.018	0					0.05
96.083	0.00	0.02	0.018	0					0.05

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

96.167	0.00	0.02	0.018	0					0.05
96.250	0.00	0.02	0.018	0					0.05
96.333	0.00	0.02	0.018	0					0.05
96.417	0.00	0.02	0.018	0					0.05
96.500	0.00	0.02	0.018	0					0.05
96.583	0.00	0.02	0.018	0					0.05
96.667	0.00	0.02	0.018	0					0.05
96.750	0.00	0.02	0.017	0					0.05
96.833	0.00	0.02	0.017	0					0.05
96.917	0.00	0.02	0.017	0					0.05
97.000	0.00	0.02	0.017	0					0.05
97.083	0.00	0.02	0.017	0					0.05
97.167	0.00	0.02	0.017	0					0.05
97.250	0.00	0.01	0.017	0					0.05
97.333	0.00	0.01	0.017	0					0.05
97.417	0.00	0.01	0.017	0					0.05
97.500	0.00	0.01	0.016	0					0.05
97.583	0.00	0.01	0.016	0					0.05
97.667	0.00	0.01	0.016	0					0.05
97.750	0.00	0.01	0.016	0					0.04
97.833	0.00	0.01	0.016	0					0.04
97.917	0.00	0.01	0.016	0					0.04
98.000	0.00	0.01	0.016	0					0.04
98.083	0.00	0.01	0.016	0					0.04
98.167	0.00	0.01	0.016	0					0.04
98.250	0.00	0.01	0.016	0					0.04
98.333	0.00	0.01	0.016	0					0.04
98.417	0.00	0.01	0.015	0					0.04
98.500	0.00	0.01	0.015	0					0.04
98.583	0.00	0.01	0.015	0					0.04
98.667	0.00	0.01	0.015	0					0.04
98.750	0.00	0.01	0.015	0					0.04
98.833	0.00	0.01	0.015	0					0.04
98.917	0.00	0.01	0.015	0					0.04
99.000	0.00	0.01	0.015	0					0.04
99.083	0.00	0.01	0.015	0					0.04
99.167	0.00	0.01	0.015	0					0.04
99.250	0.00	0.01	0.014	0					0.04
99.333	0.00	0.01	0.014	0					0.04
99.417	0.00	0.01	0.014	0					0.04
99.500	0.00	0.01	0.014	0					0.04
99.583	0.00	0.01	0.014	0					0.04
99.667	0.00	0.01	0.014	0					0.04
99.750	0.00	0.01	0.014	0					0.04
99.833	0.00	0.01	0.014	0					0.04
99.917	0.00	0.01	0.014	0					0.04
100.000	0.00	0.01	0.014	0					0.04
100.083	0.00	0.01	0.014	0					0.04
100.167	0.00	0.01	0.014	0					0.04
100.250	0.00	0.01	0.013	0					0.04
100.333	0.00	0.01	0.013	0					0.04
100.417	0.00	0.01	0.013	0					0.04
100.500	0.00	0.01	0.013	0					0.04
100.583	0.00	0.01	0.013	0					0.04
100.667	0.00	0.01	0.013	0					0.04
100.750	0.00	0.01	0.013	0					0.04
100.833	0.00	0.01	0.013	0					0.04
100.917	0.00	0.01	0.013	0					0.04
101.000	0.00	0.01	0.013	0					0.04
101.083	0.00	0.01	0.013	0					0.04
101.167	0.00	0.01	0.013	0					0.03
101.250	0.00	0.01	0.013	0					0.03
101.333	0.00	0.01	0.012	0					0.03
101.417	0.00	0.01	0.012	0					0.03
101.500	0.00	0.01	0.012	0					0.03
101.583	0.00	0.01	0.012	0					0.03
101.667	0.00	0.01	0.012	0					0.03
101.750	0.00	0.01	0.012	0					0.03
101.833	0.00	0.01	0.012	0					0.03
101.917	0.00	0.01	0.012	0					0.03
102.000	0.00	0.01	0.012	0					0.03
102.083	0.00	0.01	0.012	0					0.03

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

102.167	0.00	0.01	0.012	0					0.03
102.250	0.00	0.01	0.012	0					0.03
102.333	0.00	0.01	0.012	0					0.03
102.417	0.00	0.01	0.011	0					0.03
102.500	0.00	0.01	0.011	0					0.03
102.583	0.00	0.01	0.011	0					0.03
102.667	0.00	0.01	0.011	0					0.03
102.750	0.00	0.01	0.011	0					0.03
102.833	0.00	0.01	0.011	0					0.03
102.917	0.00	0.01	0.011	0					0.03
103.000	0.00	0.01	0.011	0					0.03
103.083	0.00	0.01	0.011	0					0.03
103.167	0.00	0.01	0.011	0					0.03
103.250	0.00	0.01	0.011	0					0.03
103.333	0.00	0.01	0.011	0					0.03
103.417	0.00	0.01	0.011	0					0.03
103.500	0.00	0.01	0.011	0					0.03
103.583	0.00	0.01	0.011	0					0.03
103.667	0.00	0.01	0.010	0					0.03
103.750	0.00	0.01	0.010	0					0.03
103.833	0.00	0.01	0.010	0					0.03
103.917	0.00	0.01	0.010	0					0.03
104.000	0.00	0.01	0.010	0					0.03
104.083	0.00	0.01	0.010	0					0.03
104.167	0.00	0.01	0.010	0					0.03
104.250	0.00	0.01	0.010	0					0.03
104.333	0.00	0.01	0.010	0					0.03
104.417	0.00	0.01	0.010	0					0.03
104.500	0.00	0.01	0.010	0					0.03
104.583	0.00	0.01	0.010	0					0.03
104.667	0.00	0.01	0.010	0					0.03
104.750	0.00	0.01	0.010	0					0.03
104.833	0.00	0.01	0.010	0					0.03
104.917	0.00	0.01	0.010	0					0.03
105.000	0.00	0.01	0.010	0					0.03
105.083	0.00	0.01	0.009	0					0.03
105.167	0.00	0.01	0.009	0					0.03
105.250	0.00	0.01	0.009	0					0.03
105.333	0.00	0.01	0.009	0					0.03
105.417	0.00	0.01	0.009	0					0.03
105.500	0.00	0.01	0.009	0					0.03
105.583	0.00	0.01	0.009	0					0.03
105.667	0.00	0.01	0.009	0					0.03
105.750	0.00	0.01	0.009	0					0.02
105.833	0.00	0.01	0.009	0					0.02
105.917	0.00	0.01	0.009	0					0.02
106.000	0.00	0.01	0.009	0					0.02
106.083	0.00	0.01	0.009	0					0.02
106.167	0.00	0.01	0.009	0					0.02
106.250	0.00	0.01	0.009	0					0.02
106.333	0.00	0.01	0.009	0					0.02
106.417	0.00	0.01	0.009	0					0.02
106.500	0.00	0.01	0.009	0					0.02
106.583	0.00	0.01	0.008	0					0.02
106.667	0.00	0.01	0.008	0					0.02
106.750	0.00	0.01	0.008	0					0.02
106.833	0.00	0.01	0.008	0					0.02
106.917	0.00	0.01	0.008	0					0.02
107.000	0.00	0.01	0.008	0					0.02
107.083	0.00	0.01	0.008	0					0.02
107.167	0.00	0.01	0.008	0					0.02
107.250	0.00	0.01	0.008	0					0.02
107.333	0.00	0.01	0.008	0					0.02
107.417	0.00	0.01	0.008	0					0.02
107.500	0.00	0.01	0.008	0					0.02
107.583	0.00	0.01	0.008	0					0.02
107.667	0.00	0.01	0.008	0					0.02
107.750	0.00	0.01	0.008	0					0.02
107.833	0.00	0.01	0.008	0					0.02
107.917	0.00	0.01	0.008	0					0.02
108.000	0.00	0.01	0.008	0					0.02
108.083	0.00	0.01	0.008	0					0.02

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

108.167	0.00	0.01	0.008	0					0.02
108.250	0.00	0.01	0.007	0					0.02
108.333	0.00	0.01	0.007	0					0.02
108.417	0.00	0.01	0.007	0					0.02
108.500	0.00	0.01	0.007	0					0.02
108.583	0.00	0.01	0.007	0					0.02
108.667	0.00	0.01	0.007	0					0.02
108.750	0.00	0.01	0.007	0					0.02
108.833	0.00	0.01	0.007	0					0.02
108.917	0.00	0.01	0.007	0					0.02
109.000	0.00	0.01	0.007	0					0.02
109.083	0.00	0.01	0.007	0					0.02
109.167	0.00	0.01	0.007	0					0.02
109.250	0.00	0.01	0.007	0					0.02
109.333	0.00	0.01	0.007	0					0.02
109.417	0.00	0.01	0.007	0					0.02
109.500	0.00	0.01	0.007	0					0.02
109.583	0.00	0.01	0.007	0					0.02
109.667	0.00	0.01	0.007	0					0.02
109.750	0.00	0.01	0.007	0					0.02
109.833	0.00	0.01	0.007	0					0.02
109.917	0.00	0.01	0.007	0					0.02
110.000	0.00	0.01	0.007	0					0.02
110.083	0.00	0.01	0.007	0					0.02
110.167	0.00	0.01	0.006	0					0.02
110.250	0.00	0.01	0.006	0					0.02
110.333	0.00	0.01	0.006	0					0.02
110.417	0.00	0.01	0.006	0					0.02
110.500	0.00	0.01	0.006	0					0.02
110.583	0.00	0.01	0.006	0					0.02
110.667	0.00	0.01	0.006	0					0.02
110.750	0.00	0.01	0.006	0					0.02
110.833	0.00	0.01	0.006	0					0.02
110.917	0.00	0.01	0.006	0					0.02
111.000	0.00	0.01	0.006	0					0.02
111.083	0.00	0.01	0.006	0					0.02
111.167	0.00	0.01	0.006	0					0.02
111.250	0.00	0.01	0.006	0					0.02
111.333	0.00	0.01	0.006	0					0.02
111.417	0.00	0.01	0.006	0					0.02
111.500	0.00	0.01	0.006	0					0.02
111.583	0.00	0.01	0.006	0					0.02
111.667	0.00	0.01	0.006	0					0.02
111.750	0.00	0.01	0.006	0					0.02
111.833	0.00	0.01	0.006	0					0.02
111.917	0.00	0.01	0.006	0					0.02
112.000	0.00	0.01	0.006	0					0.02
112.083	0.00	0.01	0.006	0					0.02
112.167	0.00	0.00	0.006	0					0.02
112.250	0.00	0.00	0.006	0					0.02
112.333	0.00	0.00	0.006	0					0.02
112.417	0.00	0.00	0.006	0					0.02
112.500	0.00	0.00	0.005	0					0.02
112.583	0.00	0.00	0.005	0					0.02
112.667	0.00	0.00	0.005	0					0.02
112.750	0.00	0.00	0.005	0					0.01
112.833	0.00	0.00	0.005	0					0.01
112.917	0.00	0.00	0.005	0					0.01
113.000	0.00	0.00	0.005	0					0.01
113.083	0.00	0.00	0.005	0					0.01
113.167	0.00	0.00	0.005	0					0.01
113.250	0.00	0.00	0.005	0					0.01
113.333	0.00	0.00	0.005	0					0.01
113.417	0.00	0.00	0.005	0					0.01
113.500	0.00	0.00	0.005	0					0.01
113.583	0.00	0.00	0.005	0					0.01
113.667	0.00	0.00	0.005	0					0.01
113.750	0.00	0.00	0.005	0					0.01
113.833	0.00	0.00	0.005	0					0.01
113.917	0.00	0.00	0.005	0					0.01
114.000	0.00	0.00	0.005	0					0.01
114.083	0.00	0.00	0.005	0					0.01

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

114.167	0.00	0.00	0.005	0					0.01
114.250	0.00	0.00	0.005	0					0.01
114.333	0.00	0.00	0.005	0					0.01
114.417	0.00	0.00	0.005	0					0.01
114.500	0.00	0.00	0.005	0					0.01
114.583	0.00	0.00	0.005	0					0.01
114.667	0.00	0.00	0.005	0					0.01
114.750	0.00	0.00	0.005	0					0.01
114.833	0.00	0.00	0.005	0					0.01
114.917	0.00	0.00	0.005	0					0.01
115.000	0.00	0.00	0.005	0					0.01
115.083	0.00	0.00	0.005	0					0.01
115.167	0.00	0.00	0.005	0					0.01
115.250	0.00	0.00	0.004	0					0.01
115.333	0.00	0.00	0.004	0					0.01
115.417	0.00	0.00	0.004	0					0.01
115.500	0.00	0.00	0.004	0					0.01
115.583	0.00	0.00	0.004	0					0.01
115.667	0.00	0.00	0.004	0					0.01
115.750	0.00	0.00	0.004	0					0.01
115.833	0.00	0.00	0.004	0					0.01
115.917	0.00	0.00	0.004	0					0.01
116.000	0.00	0.00	0.004	0					0.01
116.083	0.00	0.00	0.004	0					0.01
116.167	0.00	0.00	0.004	0					0.01
116.250	0.00	0.00	0.004	0					0.01
116.333	0.00	0.00	0.004	0					0.01
116.417	0.00	0.00	0.004	0					0.01
116.500	0.00	0.00	0.004	0					0.01
116.583	0.00	0.00	0.004	0					0.01
116.667	0.00	0.00	0.004	0					0.01
116.750	0.00	0.00	0.004	0					0.01
116.833	0.00	0.00	0.004	0					0.01
116.917	0.00	0.00	0.004	0					0.01
117.000	0.00	0.00	0.004	0					0.01
117.083	0.00	0.00	0.004	0					0.01
117.167	0.00	0.00	0.004	0					0.01
117.250	0.00	0.00	0.004	0					0.01
117.333	0.00	0.00	0.004	0					0.01
117.417	0.00	0.00	0.004	0					0.01
117.500	0.00	0.00	0.004	0					0.01
117.583	0.00	0.00	0.004	0					0.01
117.667	0.00	0.00	0.004	0					0.01
117.750	0.00	0.00	0.004	0					0.01
117.833	0.00	0.00	0.004	0					0.01
117.917	0.00	0.00	0.004	0					0.01
118.000	0.00	0.00	0.004	0					0.01
118.083	0.00	0.00	0.004	0					0.01
118.167	0.00	0.00	0.004	0					0.01
118.250	0.00	0.00	0.004	0					0.01
118.333	0.00	0.00	0.004	0					0.01
118.417	0.00	0.00	0.004	0					0.01
118.500	0.00	0.00	0.004	0					0.01
118.583	0.00	0.00	0.004	0					0.01
118.667	0.00	0.00	0.003	0					0.01
118.750	0.00	0.00	0.003	0					0.01
118.833	0.00	0.00	0.003	0					0.01
118.917	0.00	0.00	0.003	0					0.01
119.000	0.00	0.00	0.003	0					0.01
119.083	0.00	0.00	0.003	0					0.01
119.167	0.00	0.00	0.003	0					0.01
119.250	0.00	0.00	0.003	0					0.01
119.333	0.00	0.00	0.003	0					0.01
119.417	0.00	0.00	0.003	0					0.01
119.500	0.00	0.00	0.003	0					0.01
119.583	0.00	0.00	0.003	0					0.01
119.667	0.00	0.00	0.003	0					0.01
119.750	0.00	0.00	0.003	0					0.01
119.833	0.00	0.00	0.003	0					0.01
119.917	0.00	0.00	0.003	0					0.01
120.000	0.00	0.00	0.003	0					0.01
120.083	0.00	0.00	0.003	0					0.01

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

120.167	0.00	0.00	0.003	0					0.01
120.250	0.00	0.00	0.003	0					0.01
120.333	0.00	0.00	0.003	0					0.01
120.417	0.00	0.00	0.003	0					0.01
120.500	0.00	0.00	0.003	0					0.01
120.583	0.00	0.00	0.003	0					0.01
120.667	0.00	0.00	0.003	0					0.01
120.750	0.00	0.00	0.003	0					0.01
120.833	0.00	0.00	0.003	0					0.01
120.917	0.00	0.00	0.003	0					0.01
121.000	0.00	0.00	0.003	0					0.01
121.083	0.00	0.00	0.003	0					0.01
121.167	0.00	0.00	0.003	0					0.01
121.250	0.00	0.00	0.003	0					0.01
121.333	0.00	0.00	0.003	0					0.01
121.417	0.00	0.00	0.003	0					0.01
121.500	0.00	0.00	0.003	0					0.01
121.583	0.00	0.00	0.003	0					0.01
121.667	0.00	0.00	0.003	0					0.01
121.750	0.00	0.00	0.003	0					0.01
121.833	0.00	0.00	0.003	0					0.01
121.917	0.00	0.00	0.003	0					0.01
122.000	0.00	0.00	0.003	0					0.01
122.083	0.00	0.00	0.003	0					0.01
122.167	0.00	0.00	0.003	0					0.01
122.250	0.00	0.00	0.003	0					0.01
122.333	0.00	0.00	0.003	0					0.01
122.417	0.00	0.00	0.003	0					0.01
122.500	0.00	0.00	0.003	0					0.01
122.583	0.00	0.00	0.003	0					0.01
122.667	0.00	0.00	0.003	0					0.01
122.750	0.00	0.00	0.003	0					0.01
122.833	0.00	0.00	0.003	0					0.01
122.917	0.00	0.00	0.003	0					0.01
123.000	0.00	0.00	0.003	0					0.01
123.083	0.00	0.00	0.003	0					0.01
123.167	0.00	0.00	0.003	0					0.01
123.250	0.00	0.00	0.002	0					0.01
123.333	0.00	0.00	0.002	0					0.01
123.417	0.00	0.00	0.002	0					0.01
123.500	0.00	0.00	0.002	0					0.01
123.583	0.00	0.00	0.002	0					0.01
123.667	0.00	0.00	0.002	0					0.01
123.750	0.00	0.00	0.002	0					0.01
123.833	0.00	0.00	0.002	0					0.01
123.917	0.00	0.00	0.002	0					0.01
124.000	0.00	0.00	0.002	0					0.01
124.083	0.00	0.00	0.002	0					0.01
124.167	0.00	0.00	0.002	0					0.01
124.250	0.00	0.00	0.002	0					0.01
124.333	0.00	0.00	0.002	0					0.01
124.417	0.00	0.00	0.002	0					0.01
124.500	0.00	0.00	0.002	0					0.01
124.583	0.00	0.00	0.002	0					0.01
124.667	0.00	0.00	0.002	0					0.01
124.750	0.00	0.00	0.002	0					0.01
124.833	0.00	0.00	0.002	0					0.01
124.917	0.00	0.00	0.002	0					0.01
125.000	0.00	0.00	0.002	0					0.01
125.083	0.00	0.00	0.002	0					0.01
125.167	0.00	0.00	0.002	0					0.01
125.250	0.00	0.00	0.002	0					0.01
125.333	0.00	0.00	0.002	0					0.01
125.417	0.00	0.00	0.002	0					0.01
125.500	0.00	0.00	0.002	0					0.01
125.583	0.00	0.00	0.002	0					0.01
125.667	0.00	0.00	0.002	0					0.01
125.750	0.00	0.00	0.002	0					0.01
125.833	0.00	0.00	0.002	0					0.01
125.917	0.00	0.00	0.002	0					0.01
126.000	0.00	0.00	0.002	0					0.01
126.083	0.00	0.00	0.002	0					0.01

Glen Ivy Senior Living ATTACHMENT D – Detention Basin Routing

126.167	0.00	0.00	0.002	0					0.01
126.250	0.00	0.00	0.002	0					0.01
126.333	0.00	0.00	0.002	0					0.01
126.417	0.00	0.00	0.002	0					0.01
126.500	0.00	0.00	0.002	0					0.01
126.583	0.00	0.00	0.002	0					0.01
126.667	0.00	0.00	0.002	0					0.01
126.750	0.00	0.00	0.002	0					0.01
126.833	0.00	0.00	0.002	0					0.01
126.917	0.00	0.00	0.002	0					0.01
127.000	0.00	0.00	0.002	0					0.01
127.083	0.00	0.00	0.002	0					0.01
127.167	0.00	0.00	0.002	0					0.01
127.250	0.00	0.00	0.002	0					0.01
127.333	0.00	0.00	0.002	0					0.01
127.417	0.00	0.00	0.002	0					0.01
127.500	0.00	0.00	0.002	0					0.01
127.583	0.00	0.00	0.002	0					0.01
127.667	0.00	0.00	0.002	0					0.00
127.750	0.00	0.00	0.002	0					0.00
127.833	0.00	0.00	0.002	0					0.00
127.917	0.00	0.00	0.002	0					0.00
128.000	0.00	0.00	0.002	0					0.00
128.083	0.00	0.00	0.002	0					0.00
128.167	0.00	0.00	0.002	0					0.00
128.250	0.00	0.00	0.002	0					0.00
128.333	0.00	0.00	0.002	0					0.00
128.417	0.00	0.00	0.002	0					0.00
128.500	0.00	0.00	0.002	0					0.00
128.583	0.00	0.00	0.002	0					0.00
128.667	0.00	0.00	0.002	0					0.00
128.750	0.00	0.00	0.002	0					0.00
128.833	0.00	0.00	0.002	0					0.00
128.917	0.00	0.00	0.002	0					0.00
129.000	0.00	0.00	0.002	0					0.00
129.083	0.00	0.00	0.002	0					0.00
129.167	0.00	0.00	0.002	0					0.00
129.250	0.00	0.00	0.002	0					0.00
129.333	0.00	0.00	0.002	0					0.00
129.417	0.00	0.00	0.002	0					0.00
129.500	0.00	0.00	0.002	0					0.00
129.583	0.00	0.00	0.002	0					0.00
129.667	0.00	0.00	0.002	0					0.00
129.750	0.00	0.00	0.002	0					0.00
129.833	0.00	0.00	0.002	0					0.00
129.917	0.00	0.00	0.002	0					0.00
130.000	0.00	0.00	0.002	0					0.00
130.083	0.00	0.00	0.002	0					0.00
130.167	0.00	0.00	0.001	0					0.00
130.250	0.00	0.00	0.001	0					0.00
130.333	0.00	0.00	0.001	0					0.00
130.417	0.00	0.00	0.001	0					0.00
130.500	0.00	0.00	0.001	0					0.00
130.583	0.00	0.00	0.001	0					0.00
130.667	0.00	0.00	0.001	0					0.00
130.750	0.00	0.00	0.001	0					0.00
130.833	0.00	0.00	0.001	0					0.00
130.917	0.00	0.00	0.001	0					0.00
131.000	0.00	0.00	0.001	0					0.00
131.083	0.00	0.00	0.001	0					0.00
131.167	0.00	0.00	0.001	0					0.00
131.250	0.00	0.00	0.001	0					0.00
131.333	0.00	0.00	0.001	0					0.00
131.417	0.00	0.00	0.001	0					0.00
131.500	0.00	0.00	0.001	0					0.00
131.583	0.00	0.00	0.001	0					0.00
131.667	0.00	0.00	0.001	0					0.00
131.750	0.00	0.00	0.001	0					0.00
131.833	0.00	0.00	0.001	0					0.00
131.917	0.00	0.00	0.001	0					0.00
132.000	0.00	0.00	0.001	0					0.00
132.083	0.00	0.00	0.001	0					0.00

Glen Ivy Senior Living

ATTACHMENT D – Detention Basin Routing

132.167	0.00	0.00	0.001	0					0.00
132.250	0.00	0.00	0.001	0					0.00
132.333	0.00	0.00	0.001	0					0.00
132.417	0.00	0.00	0.001	0					0.00
132.500	0.00	0.00	0.001	0					0.00
132.583	0.00	0.00	0.001	0					0.00
132.667	0.00	0.00	0.001	0					0.00
132.750	0.00	0.00	0.001	0					0.00
132.833	0.00	0.00	0.001	0					0.00
132.917	0.00	0.00	0.001	0					0.00
133.000	0.00	0.00	0.001	0					0.00
133.083	0.00	0.00	0.001	0					0.00
133.167	0.00	0.00	0.001	0					0.00
133.250	0.00	0.00	0.001	0					0.00
133.333	0.00	0.00	0.001	0					0.00
133.417	0.00	0.00	0.001	0					0.00
133.500	0.00	0.00	0.001	0					0.00
133.583	0.00	0.00	0.001	0					0.00
133.667	0.00	0.00	0.001	0					0.00
133.750	0.00	0.00	0.001	0					0.00
133.833	0.00	0.00	0.001	0					0.00
133.917	0.00	0.00	0.001	0					0.00
134.000	0.00	0.00	0.001	0					0.00
134.083	0.00	0.00	0.001	0					0.00

Remaining water in basin = 0.00 (Ac.Ft)

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*****HYDROGRAPH DATA*****
      Number of intervals = 1609
      Time interval = 5.0 (Min.)
      Maximum/Peak flow rate = 5.009 (CFS)
      Total volume = 4.214 (Ac.Ft)
      Status of hydrographs being held in storage
      Stream 1 Stream 2 Stream 3 Stream 4 Stream 5
      Peak (CFS) 0.000 0.000 0.000 0.000 0.000
      Vol (Ac.Ft) 0.000 0.000 0.000 0.000 0.000
*****

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ATTACHMENT E
Reference: As-built Drawings

GENERAL NOTES:

- IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER/OWNER OR CONTRACTOR TO APPLY TO THE RIVERSIDE COUNTY TRANSPORTATION DEPARTMENT, PERMIT SECTION, FOR AN ENCROACHMENT PERMIT FOR ALL WORK PERFORMED WITHIN PUBLIC RIGHT-OF-WAY, SCHEDULED AND ACCEPTED FOR PUBLIC USE; AND TO BE RESPONSIBLE FOR SATISFACTORY COMPLIANCE FOR ALL CURRENT ENVIRONMENTAL REGULATIONS DURING THE LIFE OF CONSTRUCTION ACTIVITIES FOR THIS PROJECT. ADDITIONAL STUDIES AND/OR PERMITS MAY BE REQUIRED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEARING OF THE PROPOSED WORK AREA, AND RELOCATION COSTS OF ALL EXISTING UTILITIES. PERMITTEE MUST INFORM COUNTY OF CONSTRUCTION SCHEDULE AT LEAST 48 HOURS PRIOR TO BEGINNING OF CONSTRUCTION. PHONE: (909) 955-8885
- THE DEVELOPER WILL INSTALL STREET NAME SIGNS CONFORMING TO COUNTY STANDARD NO. 816.
- ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE RIVERSIDE COUNTY TRANSPORTATION DEPARTMENT IMPROVEMENT STANDARDS AND SPECIFICATIONS, LATEST EDITION, COUNTY ORDINANCE NO. 461 AND SUBSEQUENT AMENDMENTS.
- IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER TO NOTIFY THE ENGINEER TO INSTALL STREET CENTERLINE MONUMENTS AS REQUIRED BY RIVERSIDE COUNTY ORDINANCE NO. 461.
- ALL UNDERGROUND FACILITIES, WITH LATERALS, SHALL BE IN PLACE PRIOR TO PAVING THE STREET, INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING: SEWER, WATER, ELECTRIC, GAS, STORM DRAINS.
- CURB DEPRESSIONS AND DRIVEWAY APPROACHES WILL BE INSTALLED AND CONSTRUCTED ACCORDING TO COUNTY STANDARD NO. 206 AND/OR NO. 207, AS DIRECTED IN THE FIELD.
- IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER OR CONTRACTOR TO APPLY TO THE CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) FOR AN ENCROACHMENT PERMIT FOR ALL WORK PERFORMED WITHIN THE STATE RIGHT-OF-WAY.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR OR DEVELOPER TO INSTALL AND MAINTAIN ALL CONSTRUCTION, REGULATORY, GUIDE AND WARNING SIGNS WITHIN THE PROJECT LIMITS AND ITS SURROUNDINGS TO PROVIDE SAFE PASSAGE FOR THE TRAVELLING PUBLIC AND WORKERS UNTIL THE FINAL COMPLETION AND ACCEPTANCE OF THE PROJECT BY THE COUNTY.
- ALL STREET SECTIONS ARE TENTATIVE. ADDITIONAL SOIL TESTS SHALL BE TAKEN AFTER ROUGH GRADING TO DETERMINE THE EXACT STREET SECTION REQUIREMENTS. USE STANDARD NO. 401 IF EXPANSIVE SOILS ARE ENCOUNTERED.
- ASPHALTIC EMULSION (FOG SEAL) SHALL BE APPLIED NOT LESS THAN FOURTEEN DAYS FOLLOWING PLACEMENT OF THE ASPHALT SURFACING. FOG SEAL & PAINT BINDER SHALL BE APPLIED AT A RATE OF (0.05 GALLONS PER SQUARE YARD) RESPECTIVELY. ASPHALTIC EMULSION SHALL CONFORM TO SECTION 37, 39 AND 94 OF THE STATE STANDARD SPECIFICATIONS.
- INSTALL STREET TREES IN ACCORDANCE WITH ORDINANCE NO. 460 AND 499 (CHINUS MOLLE, PHOENIX DACTYLIFERA & PINUS).
- STREET LIGHTS SHALL BE INSTALLED IN ACCORDANCE WITH THE APPROVED STREET LIGHTING PLAN.
- AS DETERMINED BY THE TRANSPORTATION DIRECTOR, THE DEVELOPER IS RESPONSIBLE AS A MINIMUM FOR ROAD IMPROVEMENTS TO CENTERLINE, AND MAY BE REQUIRED TO RECONSTRUCT EXISTING PAVEMENT, INCLUDING BASE, AND MATCHING OVERLAY REQUIRED TO MEET THE STRUCTURAL STANDARDS FOR THE CURRENT ASSIGNED TRAFFIC INDEX.
- ONLY LANDSCAPING CONSISTING OF GRASS AND PARKWAY TREES MAY BE INSTALLED WITHIN PARKWAYS ON LOCAL RESIDENTIAL STREETS WITHOUT SEPARATE LANDSCAPE PLANS. ALL OTHER TYPES OF LANDSCAPING IN THESE AREAS, AND ALL LANDSCAPING ON ALL OTHER STREETS, SHALL REQUIRE SEPARATE LANDSCAPE PLANS. ALL LANDSCAPING ENCROACHMENTS SHALL CONFORM TO RIVERSIDE COUNTY "STANDARDS RELATING TO THE ADMINISTRATION OF LANDSCAPE ENCROACHMENT" DATED JUNE 1990.
- ANY PRIVATE DRAINAGE FACILITIES SHOWN ON THESE PLANS ARE FOR INFORMATION ONLY. BY SIGNING THESE IMPROVEMENT PLANS, NO REVIEW OR APPROVAL OF THOSE PRIVATE FACILITIES IS IMPLIED OR INTENDED BY THE RIVERSIDE COUNTY TRANSPORTATION DEPARTMENT.
- CONSTRUCTION PROJECTS THAT DISTURB MORE THAN FIVE ACRES MUST OBTAIN A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT. OWNERS/DEVELOPERS ARE REQUIRED TO FILE A NOTICE OF INTENT (NOI) WITH THE STATE WATER RESOURCES CONTROL BOARD (SWRCB) AND PREPARE A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND MONITORING PLAN FOR THE SITE.

STREET TREES (Per County Of Riverside Transportation Dept.)
 INSTALL 1 STREET TREE PER LOT
 AND 2 STREET TREES ON ALL CORNER LOTS

OWNERS
 Orange Terrace LP
 181 S. Old Springs Road
 Anaheim, CA 92808

APPLICANT
 Shea Homes Inc.
 1717 Rossmoor Parkway
 Walnut Creek, California 94545
 (925) 932-2002

ASSESSORS PARCEL NO.

TRACT 29416
 282-220-010
 283-140-010, 020, 021
 283-180-018, 010, 011, 012, 013, 014
 283-190-002, 004, 009, 015, 017, 018, 020, 026, 033, 034, 035, 042, 045, 046
 290-030-029, 030, 032, 033, 034, 035
 290-040-028, 040, 045
 290-090-001, 006

SCHOOL DISTRICT:
 School District Corona-Norco Unified School District
 (909) 736-5000

EVMWD
 P.O. Box 3000
 31315 Chaney Street
 Lake Elsinore, CA 92531

CONTIGUOUS OWNERSHIP:
 THE OWNERS REPRESENT THIS TO BE THEIR ENTIRE CONTIGUOUS OWNERSHIP UNLESS OTHERWISE NOTED.

REPRESENTATIVE
 The Keith Companies
 22690 Cactus Avenue, Suite 300
 Moreno Valley, California 92553
 Phone (909) 653-0234 Fax (909) 653-5308

ZONING AND LAND USE
 General Plan Designation
 Proposed Land Use
 Existing Land Use

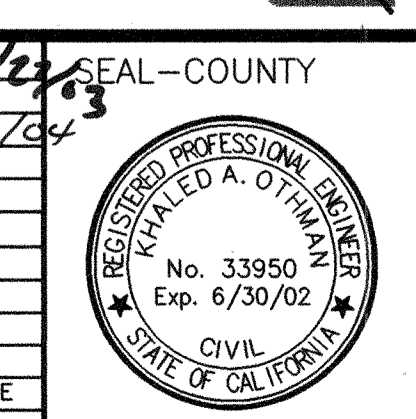
Specific Plan No. 221 and Areas Not Designated As Open Space
 18 Hole Golf Course and Residential Land Uses
 Agricultural (Citrus and Avocado Groves)



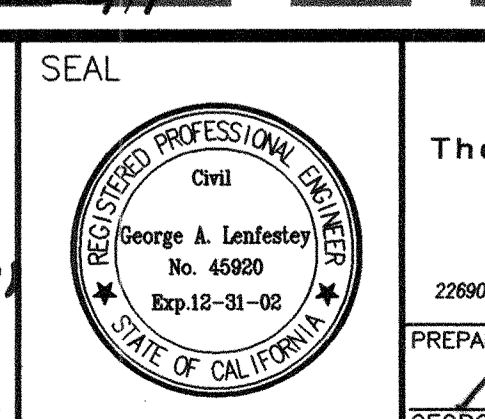
NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR GRADING PERMIT HAS BEEN ISSUED.

THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES AFTER COUNTY APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE COUNTY.

DATE	BY	MARK	REVISIONS	APPR.	DATE
5/24/01			ADDED LEFT TURN POCKET - 9HTS. 12 & 19		
4-25-01	NST		ADDED PRIVATE STORM DRAIN ALONG WARM SPRINGS ROAD		



COUNTY OF RIVERSIDE TRANSPORTATION DEPARTMENT
 APPROVED BY: *[Signature]* 5/23/01
 RECOMMENDED - BOYLE ENGINEERING DATE: 5/17/01

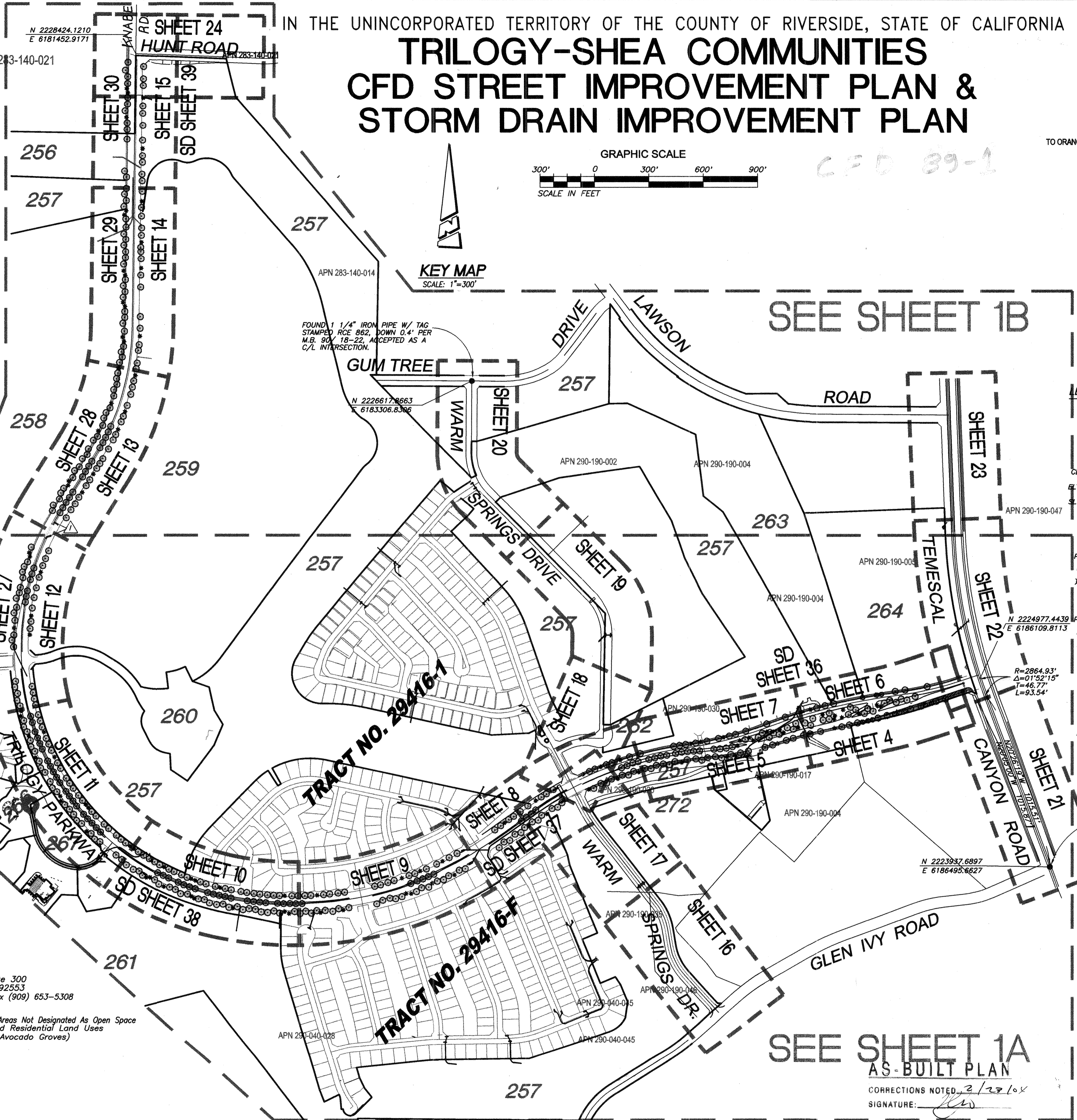


The Keith Companies
TKC
 22690 Cactus Avenue, Suite 300 Moreno Valley, CA 92553-9024 (909) 653-0234
 PREPARED BY: *[Signature]* R.C.E. NO. 45920
 DATE: 5/2/01

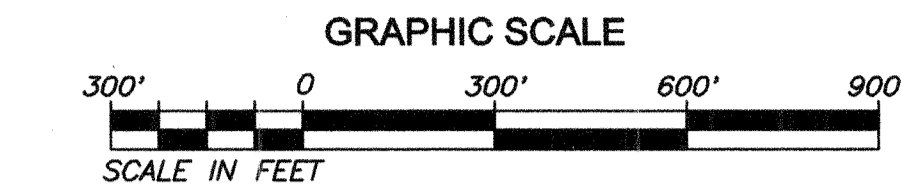
BENCHMARK: U.S.G.S. BENCHMARK NO. U216 1935 STANDARD DISK SET IN TOP OF CONCRETE POST ELEV: 2773.39 ; DATUM: NAVD83 FROM THE JUNCTION OF BEDFORD CANYON MOTORWAY AND THE MAIN TRUCK TRAIL, 2 MILES EAST AT TOP OF SMALL KNOLL, 20 FEET SOUTHWEST OF THE CENTERLINE OF THE MOTORWAY AND ABOUT 4 FEET HIGHER THAN MOTORWAY STANDARD DISK STAMPED U216 1935.
 DATE PREPARED: JANUARY 2001
 SCALE: HOR: 1"=300' VERT: 1"=30'

PP#16044 IP#000090
COUNTY OF RIVERSIDE STREET IMPROVEMENT PLANS TRILOGY
TITLE SHEET
GOLF COURSE PLOT PLAN

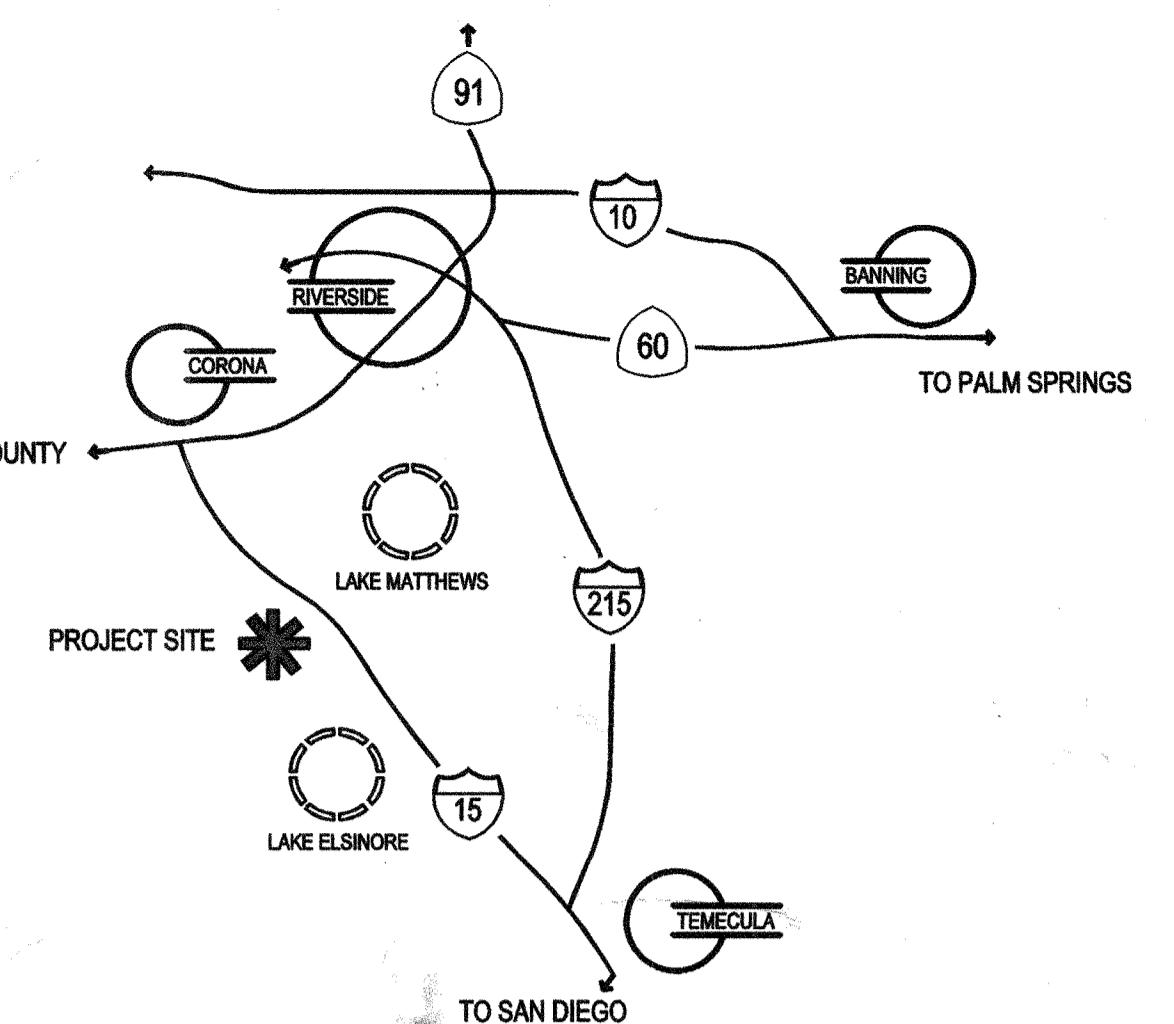
SHEET NO. 1 OF 39 SHTS.
 COUNTY FILE NO. 925-A
 Plotted: 5/3/01 3:18:13 PM BY: M_GONZALES DWG: N:\31519.000\dwg\pr00114.dwg



IN THE UNINCORPORATED TERRITORY OF THE COUNTY OF RIVERSIDE, STATE OF CALIFORNIA
TRILOGY-SHEA COMMUNITIES
CFD STREET IMPROVEMENT PLAN & STORM DRAIN IMPROVEMENT PLAN



KEY MAP
 SCALE: 1"=300'



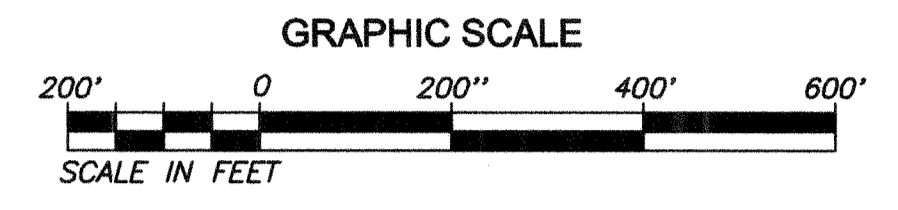
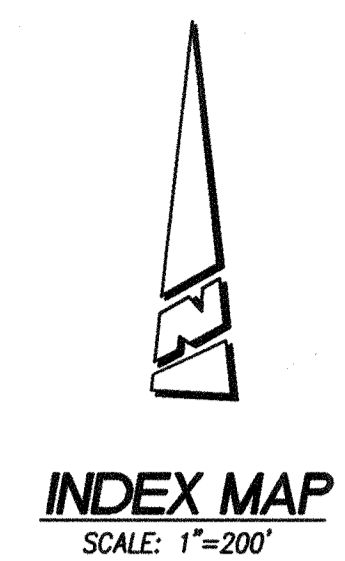
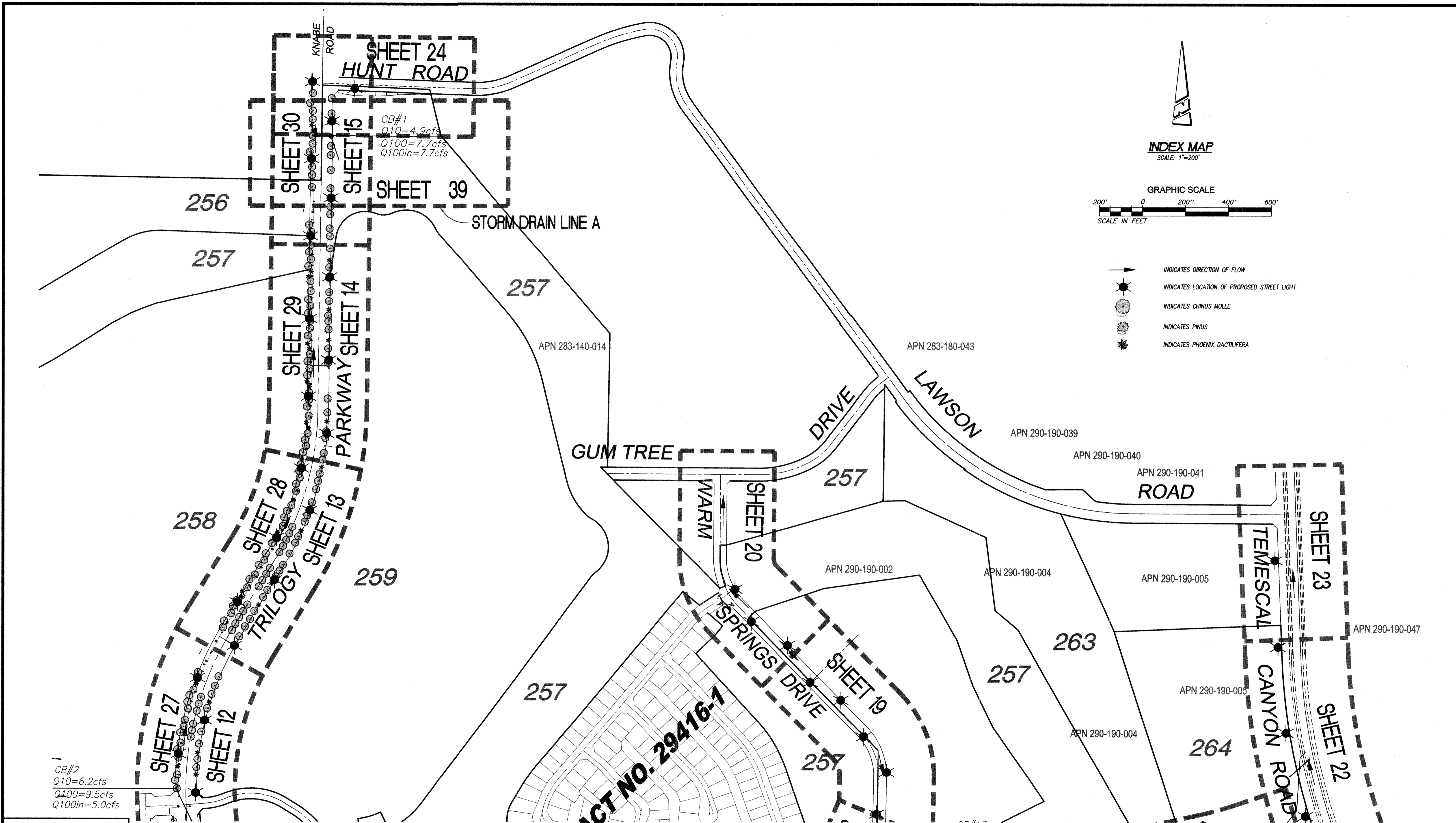
LEGEND & ABBREVIATIONS

BCR	BEGIN CURB RETURN	- * - * - * -	CHAIN LINK FENCE
ECR	END CURB RETURN	[Symbol]	EXISTING BUILDING
LT.	LEFT	[Symbol]	F.H. FIRE HYDRANT
RT.	RIGHT	[Symbol]	EXISTING CONCRETE
CL C/L	CENTERLINE	[Symbol]	LT. STD. EX. ST. LIGHT
E/W, W/LY	EASTERLY, WESTERLY	S/W	EX. SIDEWALK
S/W, N/LY	SOUTHERLY, NORTHERLY	[Symbol]	EX. GAS LINE
TC	TOP OF CURB	[Symbol]	EX. WATER LINE
FL	FLOW LINE	[Symbol]	EX. SEWER LINE
EP	EDGE OF PAVEMENT	[Symbol]	DAYLITE LINE
P.C.C.	POINT COMPOUND CURVE	W.M.	EX. WATER METER
C.B.	CATCH BASIN	W.V.	EX. WATER VALVE
PL	PROP. STREET LIGHT	[Symbol]	EX. MAN HOLE
PT	PROP. STREET TREES	[Symbol]	EX. FIRE HYDRANT
MON	INDICATES SET 1" I.P. MONUMENTATION	[Symbol]	EX. GATE VALVE
R/W	RIGHT OF WAY	[Symbol]	EX. AIR VAC & AIR RELEASE ASSY
STR.	STREET	[Symbol]	EX. THRUST BLOCK
PRC	POINT OF REVERSE CURVE	[Symbol]	PROP. BLOCK WALL
V.C.	VERTICAL CURVE	[Symbol]	DIRECTION OF FLOW
P.I.	POINT OF INTERSECTION	[Symbol]	PROP. SIDEWALK
BVC	BEGIN VERTICAL CURVE	[Symbol]	PROP. A.C.
MVC	MIDDLE OF VERTICAL CURVE	[Symbol]	TRACT BOUNDARY
EVC	END OF VERTICAL CURVE	[Symbol]	COLD PLANE
D/W	DRIVEWAY	[Symbol]	REMOVE EXISTING A.C.
		[Symbol]	EQUESTRIAN TRAIL

AS-BUILT PLAN
 CORRECTIONS NOTED: _____
 SIGNATURE: _____

SHEET INDEX:

SHEET	DESCRIPTION
1	TITLE SHEET
1A & 1B	INDEX SHEET
2	CONSTRUCTION NOTES AND QUANTITIES
3	TYPICAL STREET SECTIONS AND DETAILS
4-15	TRILOGY PARKWAY STREET IMPROVEMENT PLAN AND PROFILE
16-20	WARM SPRINGS DRIVE STREET IMPROVEMENT PLAN AND PROFILE
21-23	TEMSCAL CANYON ROAD STREET IMPROVEMENT PLAN AND PROFILE
24	HUNT ROAD STREET IMPROVEMENT PLAN AND PROFILE
25-26	TEMSCAL CANYON ROAD INTERIM AND STRIPING PLANS
27-30	TRILOGY PARKWAY INTERIM A.C. PLAN AND PROFILE
31-32	TRILOGY PARKWAY INTERIM STRIPING PLAN
33-35	TRILOGY PARKWAY STRIPING PLAN
36	STORM DRAIN LINE G, G1, G2, & G2A
37	STORM DRAIN LINE F, F1, F2, F3, & F3A
38	STORM DRAIN LINE D, D1, & D2
39	STORM DRAIN LINE A & LINE C



- INDICATES DIRECTION OF FLOW
- ☀ INDICATES LOCATION OF PROPOSED STREET LIGHT
- ⊙ INDICATES CHINUS MOLLE
- ⊗ INDICATES PINUS
- ✱ INDICATES PHOENIX DACTYLIFERA

Underground Service Alert
Call: TOLL FREE 1-800-227-2600
TWO WORKING DAYS BEFORE YOU DIG

TRACT NO. 29416-7
SEE SHEET 1A

AS-BUILT PLAN
CORRECTIONS NOTED 2/23/04
SIGNATURE: *[Signature]*

NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR GRADING PERMIT HAS BEEN ISSUED.

THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES AFTER COUNTY APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE COUNTY.

DATE	BY	MARK	REVISIONS	APPR.	DATE	COUNTY

SEAL-COUNTY

COUNTY OF RIVERSIDE
TRANSPORTATION DEPARTMENT
APPROVED BY:

[Signature] 5/23/01
SHALE A. OTHMAN DATE:

[Signature] 5-17-01
RECOMMENDED-BOYLE ENGINEERING DATE:

SEAL

The Keith Companies **TKC**

22690 Cactus Avenue, Suite 300 Moreno Valley, CA 92553-9024 (909) 853-0234

PREPARED BY: *[Signature]* R.C.E. NO. 45920 DATE: 5-16-01
GEORGE A. LENFESTEY DATE:

BENCHMARK: SEE SHEET 1

DATE PREPARED: JANUARY 2001

SCALE: HOR: 1"=300' VERT: 1"=30'

PP#16044 IP#000090
COUNTY OF RIVERSIDE
STREET IMPROVEMENT PLANS
TRILOGY
INDEX SHEET
GOLF COURSE PLOT PLAN

FOR: W.O. COUNTY FILE NO. 925-A

SHEET NO. 1B
OF 39 SHTS.

CONSTRUCTION NOTES

	(ON SITE) QUANTITIES	(OFF SITE) QUANTITIES
1- CONSTRUCT 0.39 A.C. PAVEMENT OVER 0.50 C.A.B. PER TYPICAL SECTION.	663,527 SF	94,573 SF
1A- CONSTRUCT 0.25 A.C. PAVEMENT OVER 0.50 C.A.B. PER TYPICAL SECTION.	120,172 SF	---
2- CONSTRUCT TYPE "D" CURB (MODIFIED) PER COUNTY OF RIVERSIDE STANDARD NO. 204 AND PER DETAIL 1 ON SHEET 3.	15,529 LF	---
3- CONSTRUCT TYPE A-6 CURB & GUTTER PER COUNTY OF RIVERSIDE STANDARD NO. 200. CURB AND GUTTER JOINTS PER COUNTY OF RIVERSIDE STANDARD NO. 205.	25,667 LF	1,489 LF
4- CONSTRUCT SIDEWALK PER COUNTY OF RIVERSIDE STANDARD NO. 400.	129,526 SF	9,877 SF
6- CONSTRUCT 6" ASPHALT CONCRETE BERM PER COUNTY OF RIVERSIDE STANDARD NO. 212.	419 LF	1,055 LF
7- REMOVE EXISTING A.C. PAVING	---	47,682 SF
7A- REMOVE EXISTING A.C. BERM	---	740 LF
11- CONSTRUCT MEDIAN FLARE PER A.P.W.A. STANDARD PLAN 141-1	60 LF	---
12- CONSTRUCT CURB RAMP PER COUNTY OF RIVERSIDE STANDARD NO. 403 CASE A.	23 EA	1 EA
14- PROTECT EXIST. FENCE/POLE/SIGN IN PLACE.	2 LS	1 LS
15- RELOCATE POLE (BY OTHERS).	3 EA	---
16- ADJUST MANHOLE FRAME AND COVER TO FINISH SURFACE	1 EA	---
18- CONSTRUCT CENTERLINE MONUMENT PER COUNTY OF RIVERSIDE STANDARD NO. 901.	30 EA	5 EA
19- CONSTRUCT DRIVEWAY APPROACH PER COUNTY OF RIVERSIDE STANDARD NO. 207.	288 SF	---
20- CONSTRUCT COMMERCIAL DRIVEWAY PER COUNTY OF RIVERSIDE STANDARD NO. 207A.	---	---
21- CONSTRUCT P.C.C. DIP SECTION PER COUNTY OF RIVERSIDE STANDARD NO. 307 (MODIFIED)	20,084 SF	---
22- INSTALL STREET LIGHT PER RIVERSIDE COUNTY STD. 1001	56 EA	---
22A- INSTALL STREET LIGHT PER RIVERSIDE COUNTY STD. 1000	21 EA	2 EA
23- INSTALL STOP SIGN PER COUNTY OF RIVERSIDE STD.	2 EA	---
24- RELOCATE EXISTING FENCE TO OUTSIDE OF RIGHT-OF-WAY.	---	---
26- CONSTRUCT BARRICADE PER RIVERSIDE COUNTY STD. NO. 510.	5 EA	---
30- PAINT 4" WIDE SOLID WHITE EDGE LINE PER CALTRANS DETAIL #27 B.	4470 LF	---
31- (LEFT OR RIGHT) DIRECTIONAL ARROW PER CALTRANS STD A24B TYPE III.	12 EA	---
32- TYPE VI LEFT ARROW PER CALTRANS TRAFFIC MANUAL.	5 EA	---
33- PAINT DET 5 PER CALTRANS STD. PLANS.	16,955 LF	---
34- PAINT DET. 38 PER CALTRANS STD. PLANS.	2420 LF	---
35- INSTALL TRAFFIC CONTROL MARKER W75 PER CALTRANS TRAFFIC MANUAL	1 EA	---
36- INSTALL TRAFFIC CONTROL MARKER W25 PER CALTRANS TRAFFIC MANUAL	1 EA	---
37- 2' FEATHER OVERLAY & SAWCUT EXISTING A.C. PAVING. SEE DETAIL 3 SHEET 3.	185 LF	466 LF
38- CONSTRUCT CURB OUTLET PER RIV. CO. STD. NO. 308 (MODIFIED)	2 EA	---
39- CONSTRUCT 1/4 TON RIPRAP AS SHOWN ON PLAN	0 CY	64 CY
40- INSTALL STREET NAME SIGN PER COUNTY OF RIVERSIDE STD. NO. 816	15 EA	---
41- INSTALL W45 SIGN PER CALTRANS TRAFFIC MANUAL	2 EA	---
42- INSTALL W80 SIGN PER CALTRANS TRAFFIC MANUAL	2 EA	---
43- CONSTRUCT DOWN DRAIN PER COUNTY OF RIVERSIDE STANDARD NO. 306.	80 LF	---
44- INSTALL TYPE "F" DELINEATORS PER CALTRANS STD. PLANS	10 EA	---

STORM DRAIN CONSTRUCTION NOTES

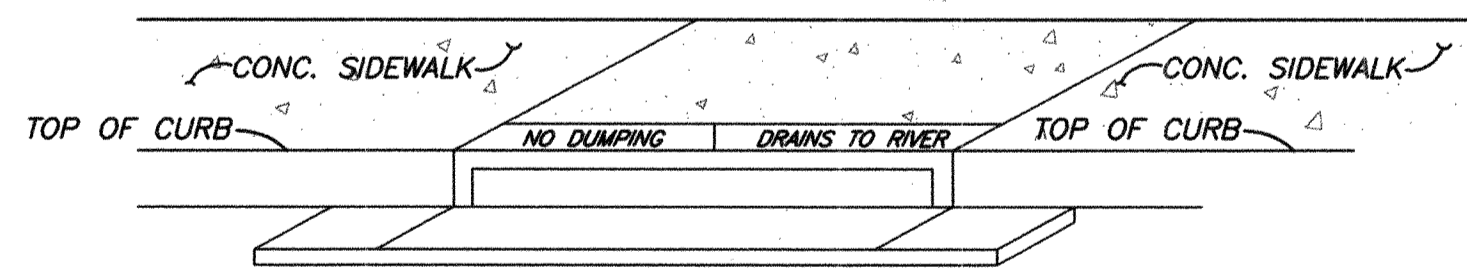
	(ON SITE) QUANTITIES	(OFF SITE) QUANTITIES
50- CONSTRUCT 18" RCP (SEE PROFILE FOR D-LOAD)	539 LF	---
51- CONSTRUCT 24" RCP (SEE PROFILE FOR D-LOAD)	824 LF	---
52- CONSTRUCT 30" RCP (SEE PROFILE FOR D-LOAD)	572 LF	---
53- CONSTRUCT 36" RCP (SEE PROFILE FOR D-LOAD)	30 LF	---
54- CONSTRUCT RIPRAP HEADWALL PER DRAINAGE IMPROVEMENT PLANS (PP16044)	4 EA	---
55- CONSTRUCT C.B. NO. 1 PER R.C.F.C.D. & W.C.D. STD. DWG. NO. CB100 AND LOCAL DEPRESSION NO. 2 CASE B (CASE C FOR SUMP) PER R.C.F.C.D. & W.C.D. STD. DWG. NO. LD201	12 EA	---
56- CONSTRUCT JUNCTION STRUCTURE NO. 4 PER R.C.F.C.D. & W.C.D. STD. DWG. NO. JS229	1 EA	---
57- CONSTRUCT TRANSITION STRUCTURE NO. 3 PER R.C.F.C.D. & W.C.D. STD. DWG. NO. TS303	2 EA	---
58- CONSTRUCT MANHOLE NO. 1 PER R.C.F.C.D. & W.C.D. STD. DWG. NO. MH. 251	3 EA	---
59- CONSTRUCT CONC. COLLAR PER R.C.F.C.D. & W.C.D. STD. DWG. NO. M803.	2 EA	---
60- CONSTRUCT 36" DIA. RISER PER DETAIL ON SHEET NO. 34	2 EA	---
61- CONSTRUCT CONCRETE BULKHEAD PER R.C.F.C.D. STD. DWG. M816	2 EA	---
62- CONSTRUCT JUNCTION STRUCTURE NO. 3 PER R.C.F.C.D. STD. DWG. NO. JS228	6 EA	---
63- CONSTRUCT C.B. NO. 4 PER R.C.F.C.D. & W.C.D. STD. DWG. NO. CB101 AND LOCAL DEPRESSION NO. 2 CASE B (CASE C FOR SUMP) PER R.C.F.C.D. & W.C.D. STD. DWG. NO. LD201	---	---

UNAUTHORIZED CHANGES AND USES

CAUTION: THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.

UNDERGROUND STRUCTURES

ALL UNDERGROUND UTILITIES OR STRUCTURES REPORTED BY THE OWNER OR OTHERS AND THOSE SHOWN ON THE RECORD EXAMINED ARE INDICATED WITH THEIR APPROXIMATE LOCATION AND EXTENT. THE OWNER BY ACCEPTING THESE PLANS OR PROCEEDING WITH IMPROVEMENTS PURSUANT THERETO AGREES TO ASSUME LIABILITY AND TO HOLD UNDERSIGNED HARMLESS FOR ANY DAMAGES RESULTING FROM THE EXISTENCE OF UNDERGROUND UTILITIES OR STRUCTURES NOT REPORTED TO THE UNDERSIGNED; NOT INDICATED ON THE PUBLIC RECORDS EXAMINED; LOCATED AT VARIANCE WITH THAT REPORTED OR SHOWN ON RECORDS EXAMINED. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES OR STRUCTURES SHOWN AND ANY OTHER UTILITIES OR STRUCTURES FOUND AT THE SITE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE OWNERS OF THE UTILITIES OR STRUCTURES CONCERNED BEFORE STARTING WORK.



CATCH BASIN STENCILING DETAIL

N.T.S.

- (A) STENCILS TO HAVE 2" LETTERS AS FOLLOWS :
NO DUMPING
DRAINS TO RIVER
- (B) PLACE BOTH STENCILS CENTERED WITHIN THE CATCHBASIN OPENING AND WITHIN THE TOP OF CURB.
- (C) SPRAY BOTH STENCILS WITH WHITE PAINT.
- (D) REMOVE STENCILS WHEN PAINT IS DRY.

GENERAL NOTES (COUNTY TRANSPORTATION)

- IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER / OWNER OR CONTRACTOR TO APPLY TO THE RIVERSIDE COUNTY TRANSPORTATION DEPARTMENT, PERMIT SECTION, FOR AN ENCROACHMENT PERMIT FOR ALL WORK PERFORMED WITHIN PUBLIC RIGHT-OF-WAY, DEDICATED AND ACCEPTED FOR PUBLIC USE; AND TO BE RESPONSIBLE FOR SATISFACTORY COMPLIANCE FOR ALL CURRENT ENVIRONMENTAL REGULATIONS DURING THE LIFE OF CONSTRUCTION ACTIVITIES FOR THIS PROJECT. ADDITIONAL STUDIES AND / OR PERMITS MAY BE REQUIRED. PHONE: 909/955-6885 FOR PARCEL MAPS & TRACT MAPS
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEARING OF THE PROPOSED WORK AREA, AND RELOCATION COSTS OF ALL EXISTING UTILITIES. PERMITTEE MUST INFORM COUNTY OF CONSTRUCTION SCHEDULE AT LEAST 48 HOURS PRIOR TO BEGINNING OF CONSTRUCTION.
- ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE RIVERSIDE COUNTY TRANSPORTATION DEPARTMENT IMPROVEMENT STANDARDS AND SPECIFICATIONS, LATEST EDITION, COUNTY ORDINANCE NO. 461 AND SUBSEQUENT AMENDMENTS.
- ALL UNDERGROUND FACILITIES, WITH LATERALS, SHALL BE IN PLACE PRIOR TO PAVING THE STREET, INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING: SEWER, WATER, ELECTRIC, GAS, AND STORM DRAIN.

AS-BUILT PLAN
CORRECTIONS NOTED 2/23/01
SIGNATURE: *[Signature]*

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DATE	BY	MARK	REVISIONS	APPR.	DATE

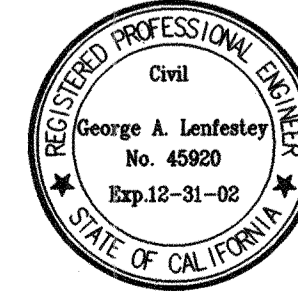
SEAL-COUNTY



COUNTY OF RIVERSIDE
TRANSPORTATION DEPARTMENT
APPROVED BY:

[Signature] 5/23/01
[Signature] 5-17-01
RECOMMENDED-BOYLE ENGINEERING

SEAL



The Keith Companies **TKC**

22690 Coelius Avenue, Suite 300 Moreno Valley, CA 92553-9024 (909) 653-0234
PREPARED BY: *[Signature]* R.C.E. NO. 45920 DATE: 5-16-01
GEORGE A. LENTZLEY

BENCHMARK:

SEE SHEET 1

DATE PREPARED: JANUARY 2001

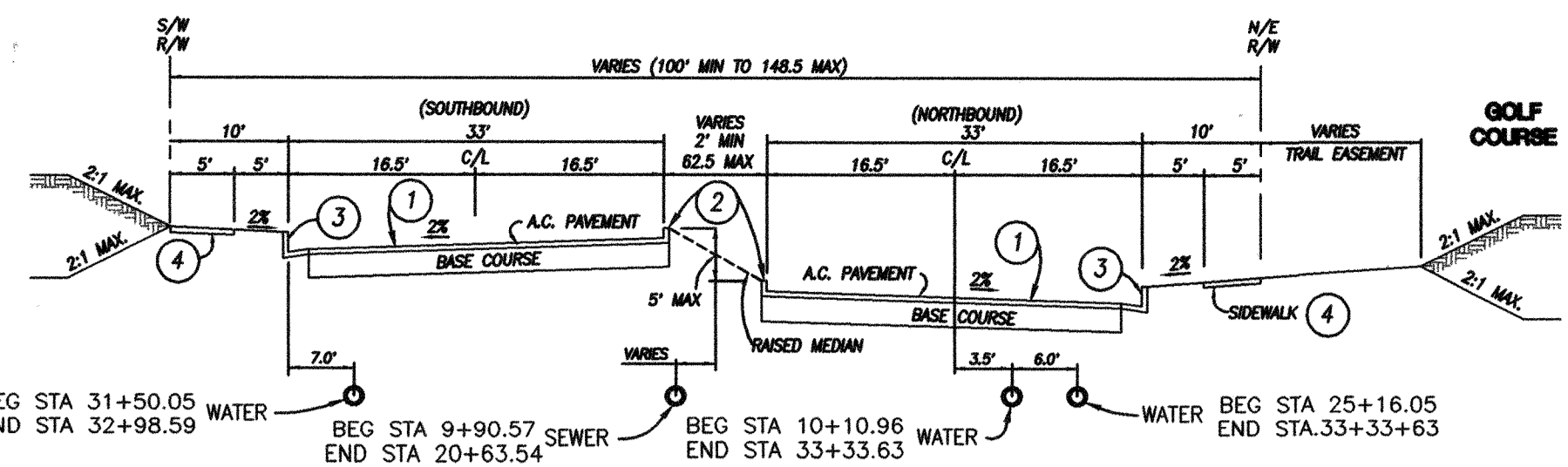
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PP#16044 IP#000090
COUNTY OF RIVERSIDE
STREET IMPROVEMENT PLANS
TRILOGY
CONSTRUCTION NOTES AND QUANTIES
GOLF COURSE PLOT PLAN

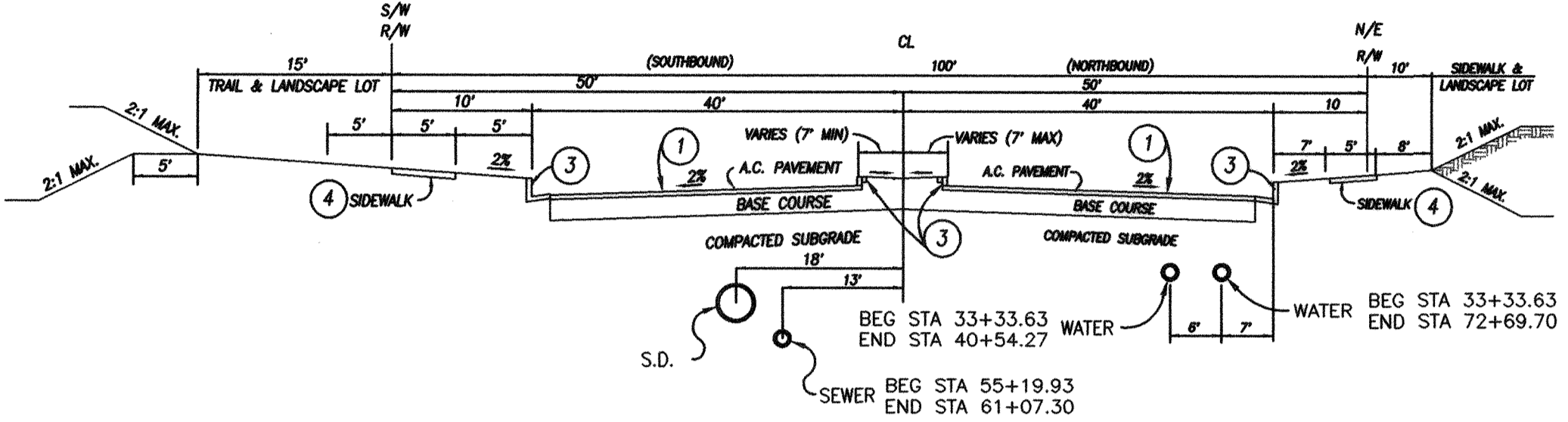
SHEET NO.

2

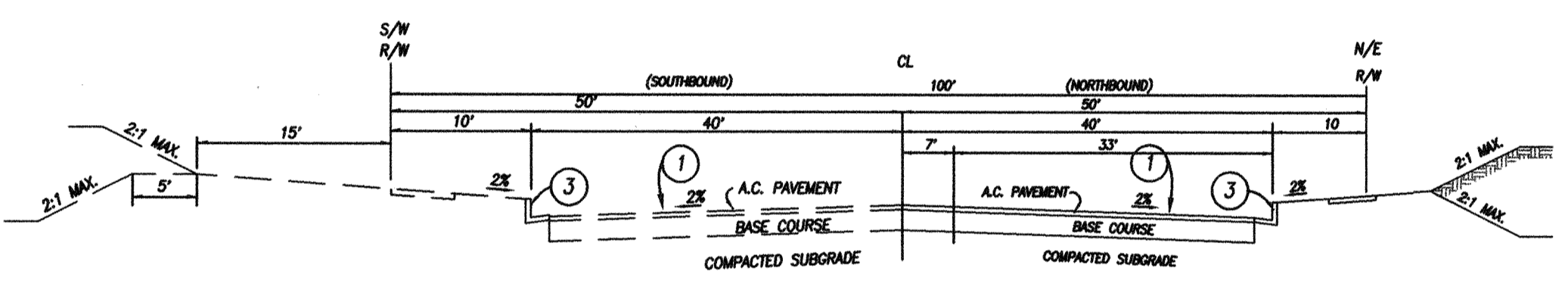
OF 39 SHTS.



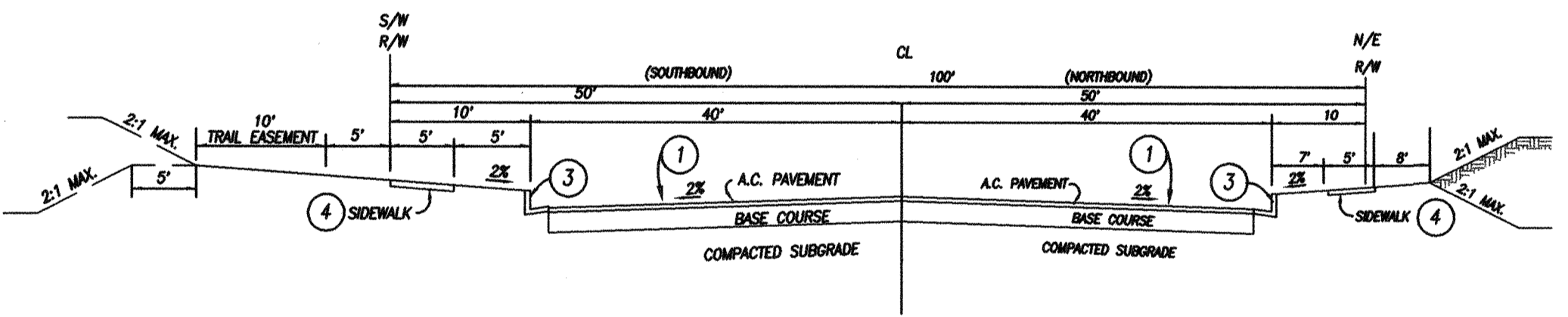
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(PUBLIC)
FROM STA. 10+00 TO STA. 33+33.63
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0.39' A.C. ON 0.50' A.B.
MODIFIED RV. Co. STD. NO. 101



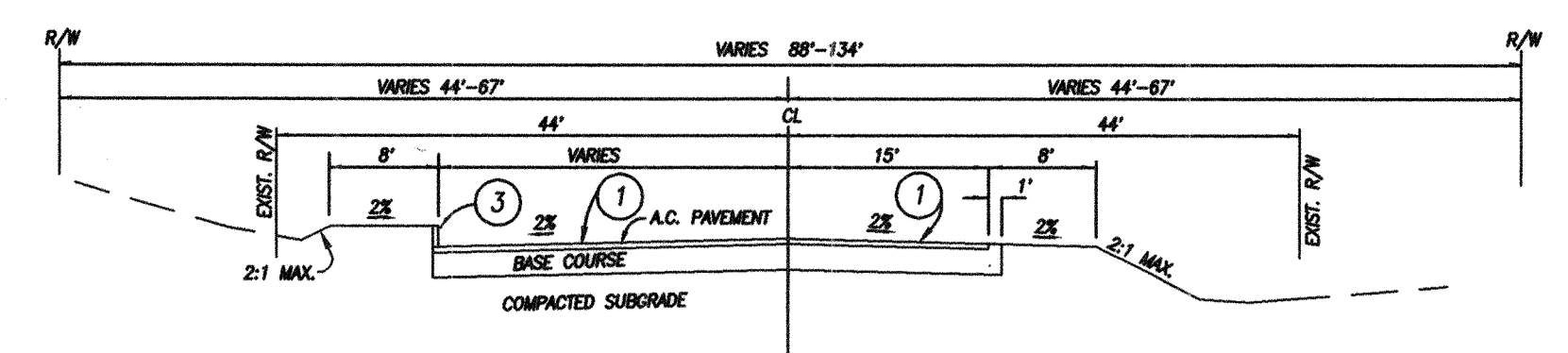
TRILOGY PARKWAY (Modified)
(PUBLIC)
FROM STA. 33+33.63 TO STA. 72+69.70
NOT TO SCALE
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0.39' A.C. ON 0.50' A.B.
MODIFIED RV. Co. STD. NO. 101



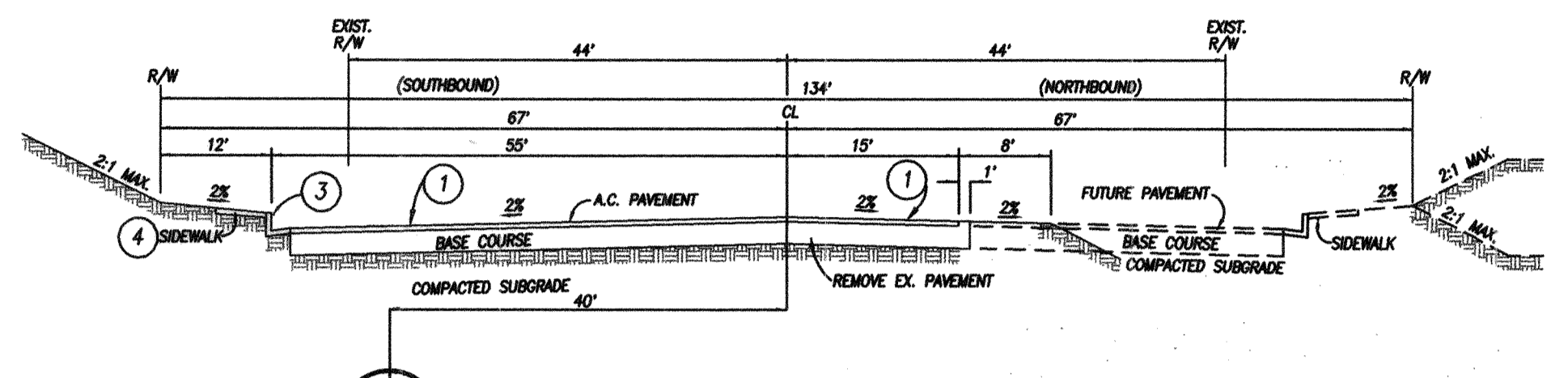
INTERIM TRILOGY PARKWAY (Modified)
(PUBLIC)
FROM STA. 72+69.70 TO STA. 107+49.54
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0.39' A.C. ON 0.50' A.B.
MODIFIED RV. Co. STD. NO. 101



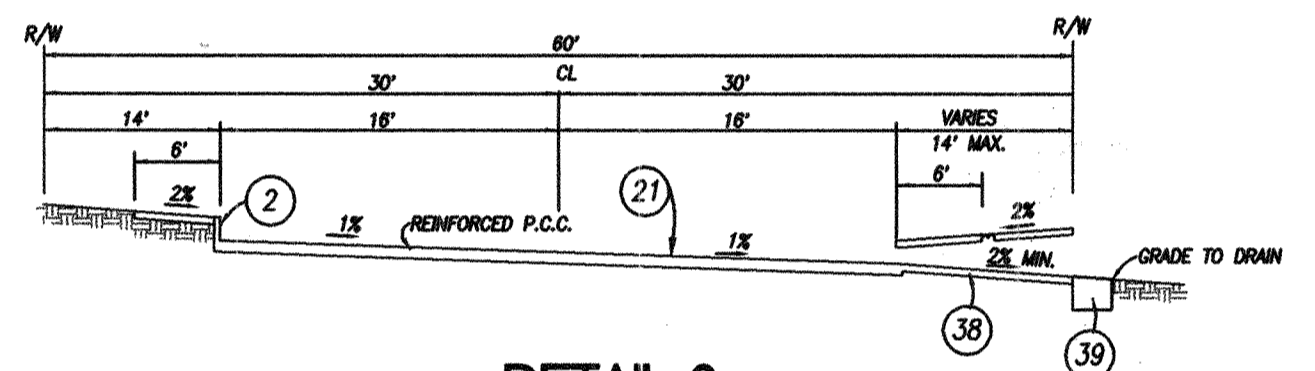
ULTIMATE TRILOGY PARKWAY (Modified)
(PUBLIC)
FROM STA. 72+69.70 TO STA. 107+49.54
NOT TO SCALE
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0.39' A.C. ON 0.50' A.B.
MODIFIED RV. Co. STD. NO. 101



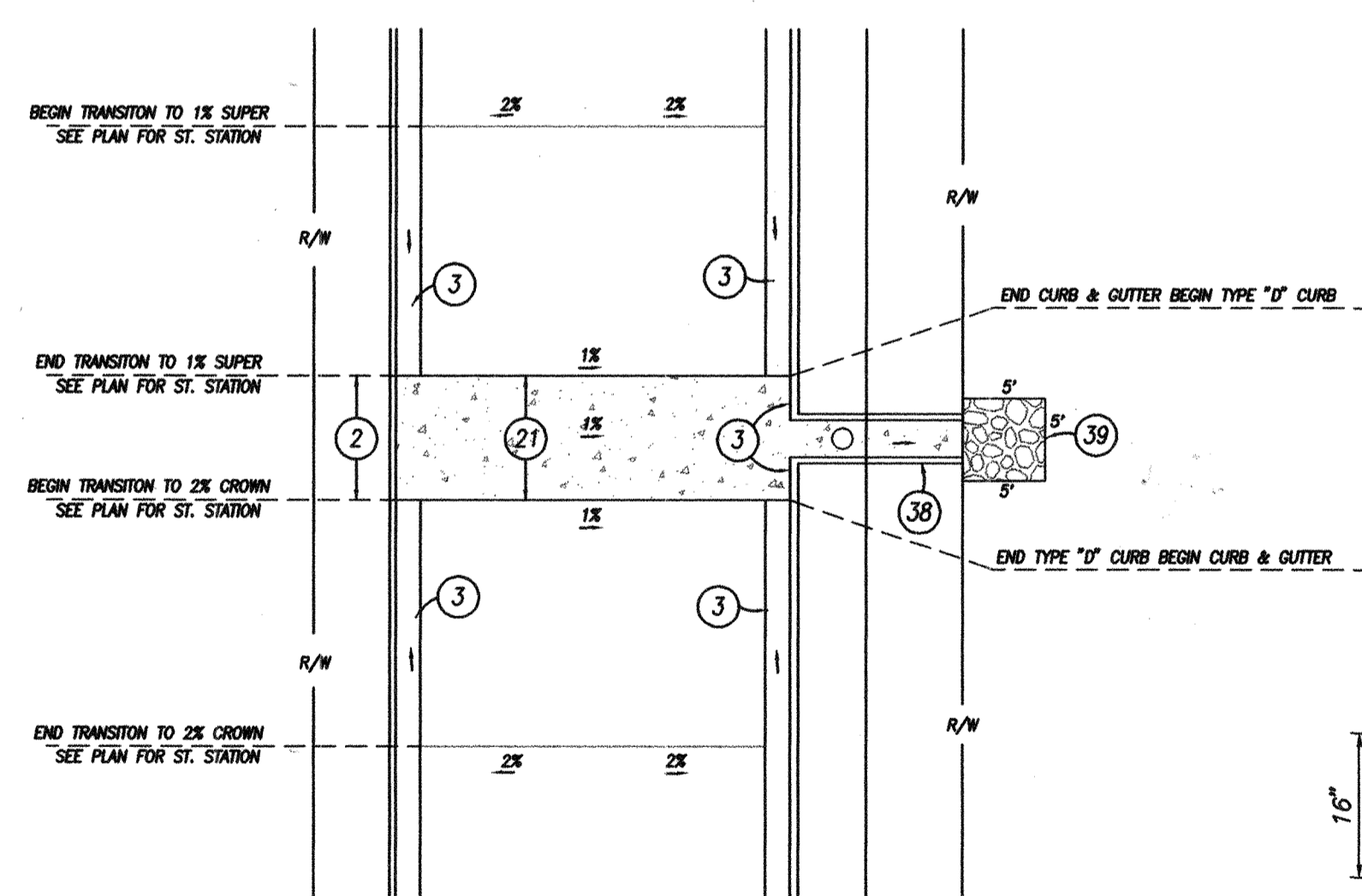
TEMESCAL CANYON ROAD
TAPER
FROM STA. 27+00 TO STA. 30+36.34
NOT TO SCALE
TRAFFIC INDEX 6.0 — R-VALUE= 78
0.39' A.C. ON 0.50' A.B.
MODIFIED RV. Co. STD. NO. 100A



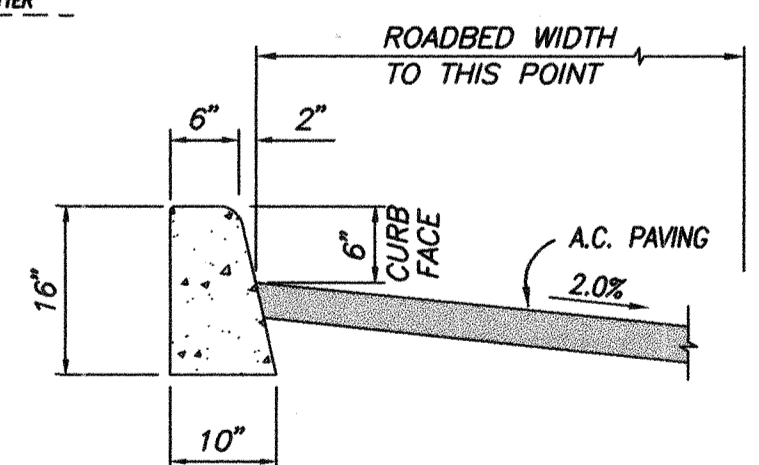
TEMESCAL CANYON ROAD
FROM STA. 30+36.34 TO STA. 40+66.86
NOT TO SCALE
TRAFFIC INDEX 6.0 — R-VALUE= 78
0.39' A.C. ON 0.50' A.B.
RV. Co. STD. NO. 100A



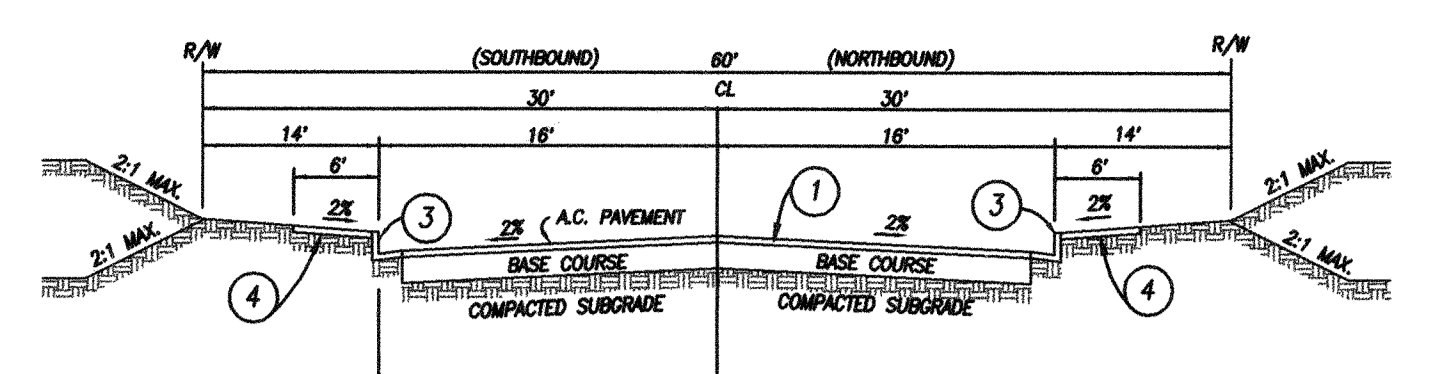
DETAIL 2
P.C.C. DIP SECTION + CURB OUTLET



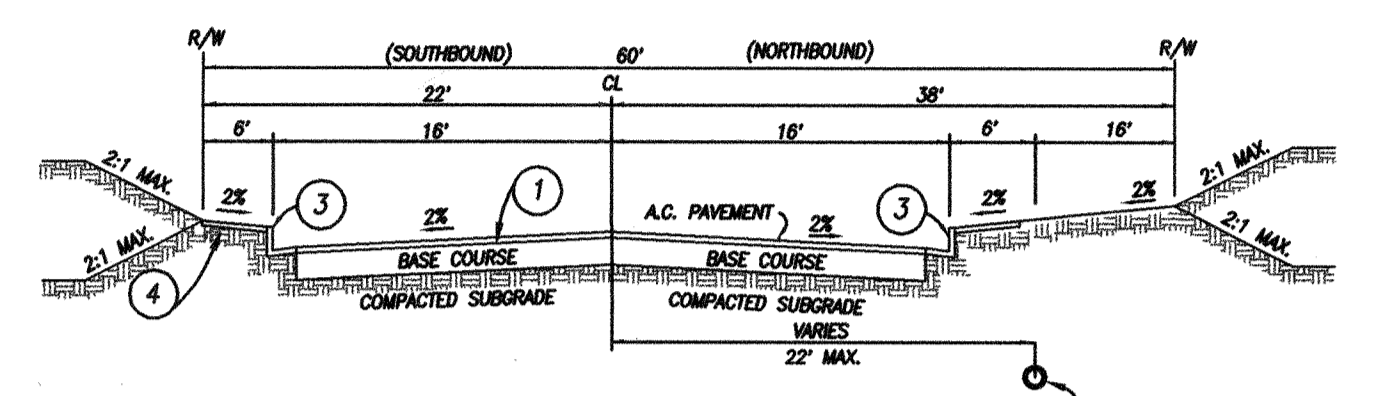
TOP VIEW
P.C.C. DIP SECTION + CURB OUTLET



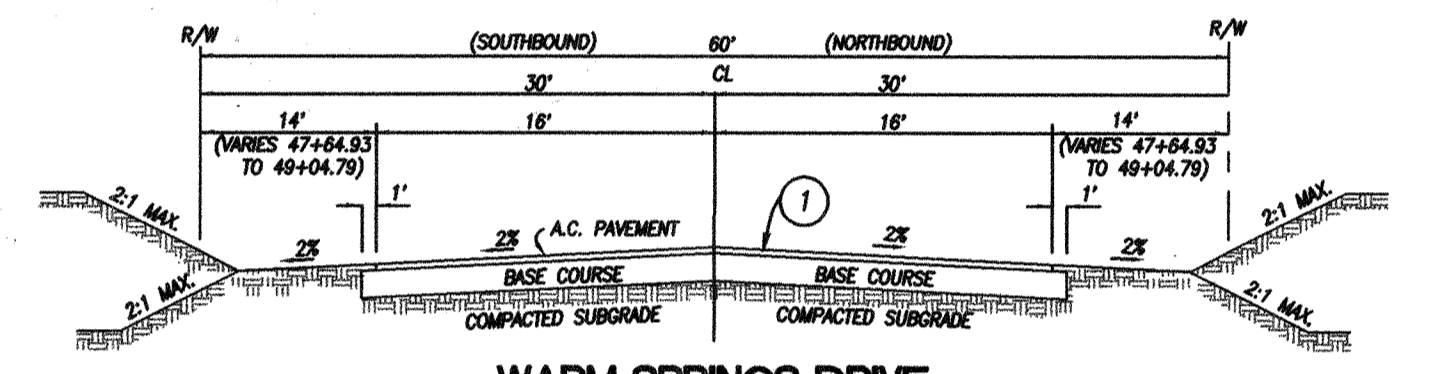
DETAIL 1
TYPE 'D' CURB (MODIFIED)
NOT TO SCALE



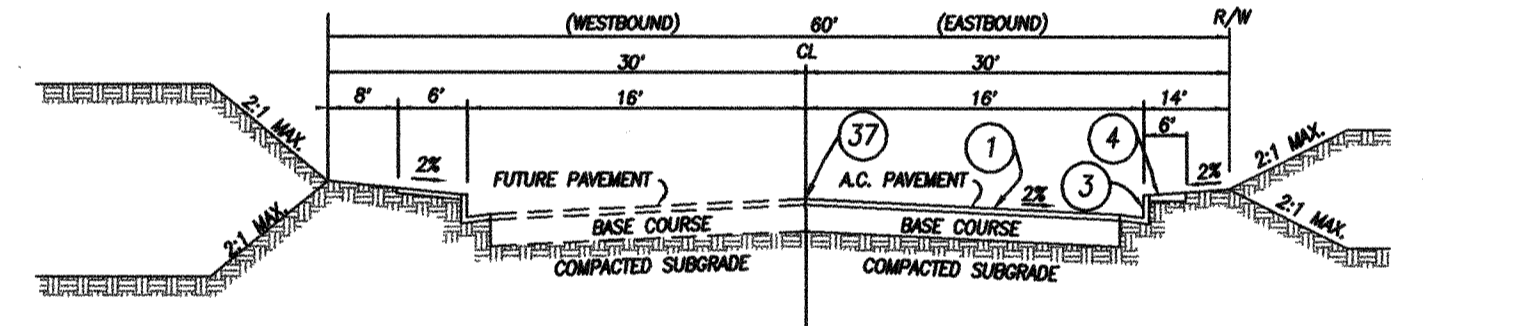
WARM SPRINGS DRIVE
PRIVATE FROM STA. 10+00 TO STA. 24+06.2
PUBLIC FROM STA. 24.062 TO STA. 27+24.2
NOT TO SCALE
TRAFFIC INDEX 6.0 — R-VALUE= 45
0.25' A.C. ON 0.50' A.B.
MODIFIED RV. Co. STD. NO. 105



WARM SPRINGS DRIVE
(PRIVATE)
FROM STA. 27+24.2 TO STA. 47+64.93
NOT TO SCALE
TRAFFIC INDEX 6.0 — R-VALUE= 45
0.25' A.C. ON 0.50' A.B.
MODIFIED RV. Co. STD. NO. 105



WARM SPRINGS DRIVE
(PRIVATE)
FROM STA. 47+64.93 TO STA. 52+87.59
NOT TO SCALE
TRAFFIC INDEX 6.0 — R-VALUE= 45
0.25' A.C. ON 0.50' A.B.
MODIFIED RV. Co. STD. NO. 105



HUNT ROAD
(PUBLIC)
FROM STA. 10+00.00 TO 15+02.11
NOT TO SCALE
TRAFFIC INDEX 6.0 — R-VALUE= 45
0.25' A.C. ON 0.50' A.B.
MODIFIED RV. Co. STD. NO. 105

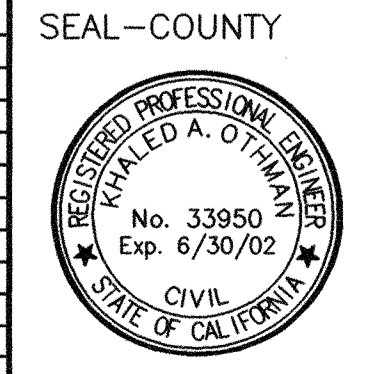
DETAIL 3
OVERLAY JOIN DETAIL
NOT TO SCALE



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DATE	BY	MARK	REVISIONS	APPR	DATE



COUNTY OF RIVERSIDE
TRANSPORTATION DEPARTMENT
APPROVED BY:
[Signature] 5/23/01
RECOMMENDED—BOYLE ENGINEERING DATE:



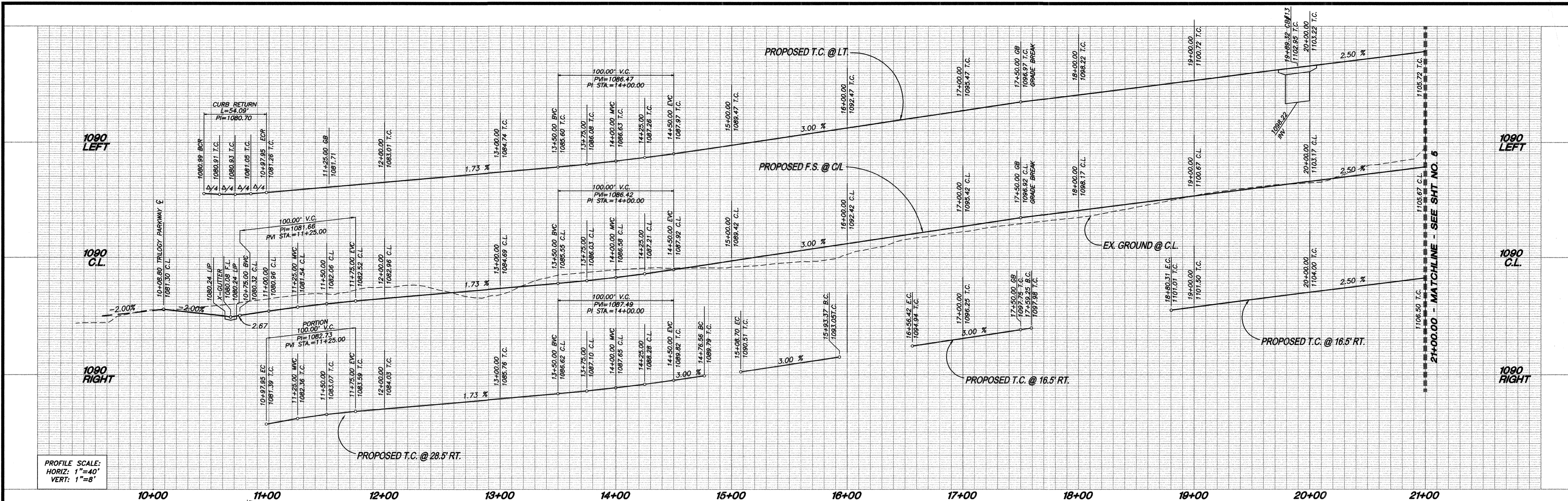
The Keith Companies **TKC**
22890 Corvus Avenue, Suite 300 Moreno Valley, CA 92553-9024 (909) 653-0234
PREPARED BY: *[Signature]* DATE: 5/22/01
R.C.E. NO. 45920

BENCHMARK:
SEE SHEET 1
DATE PREPARED: JANUARY 2001
SCALE: HOR: N.T.S. VERT: N/A

PP#16044 IP#000090
COUNTY OF RIVERSIDE
STREET IMPROVEMENT PLANS
TRILOGY
TYPICAL STREET SECTIONS & DETAILS
GOLF COURSE PLOT PLAN
FOR: W.O. COUNTY FILE NO. 925-A

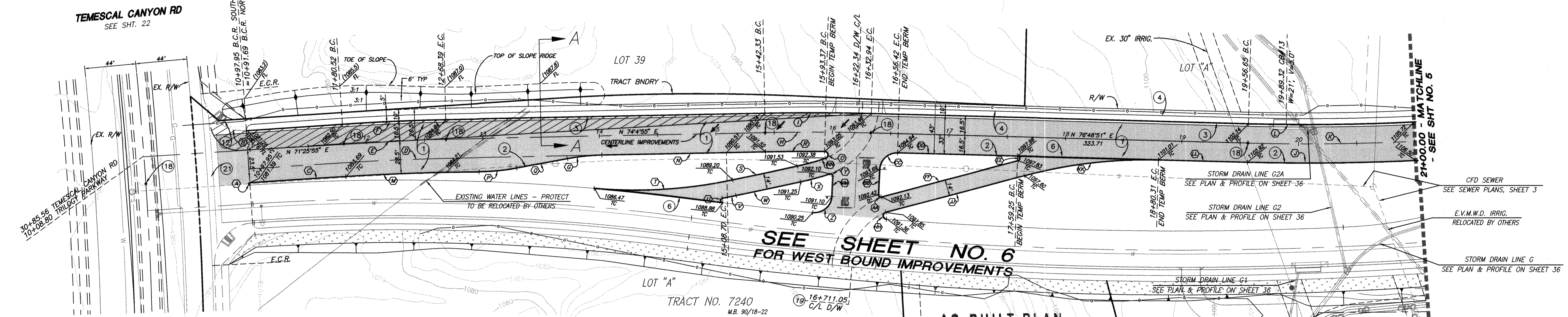
SHEET NO. 3 OF 39 SHTS.

AS-BUILT PLAN
CORRECTIONS NOTED 2/23/01
SIGNATURE: *[Signature]*



PROFILE SCALE:
HORIZ: 1"=40'
VERT: 1"=8'

TEMESCAL CANYON RD
SEE SHT. 22



SEE SHEET NO. 6
FOR WEST BOUND IMPROVEMENTS



SECTION A-A

NO.	BEARING/DELTA	RADIUS	LENGTH	TANGENT
(A)	180°00'07"	1.00'	3.14'	---
(B)	88°32'44"	35.00'	54.09'	34.12'
(C)	N71°25'55"E	---	82.57'	---
(D)	02°39'00"	1883.50'	87.11'	43.56'
(E)	02°39'00"	1900.00'	87.87'	43.94'
(F)	02°38'59"	1916.50'	88.63'	44.32'
(G)	09°29'33"	180.00'	29.82'	14.95'
(H)	02°43'56"	1900.00'	90.61'	45.31'
(I)	02°43'56"	1916.50'	91.39'	45.71'
(J)	04°19'23"	1916.50'	144.80'	72.33'
(K)	04°19'23"	1900.00'	143.35'	71.71'
(L)	04°19'23"	1883.50'	142.11'	71.09'
(M)	N74°55'56"E	---	258.61'	---

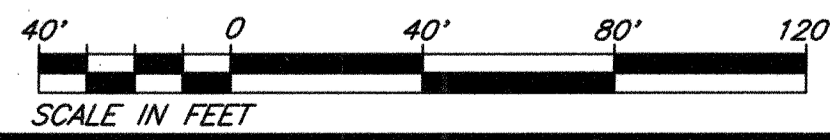
NO.	BEARING/DELTA	RADIUS	LENGTH	TANGENT
(N)	N74°04'55"E	---	140.49'	---
(O)	160°14'05"	3.00'	8.39'	17.22'
(P)	10°20'34"	180.00'	32.49'	16.29'
(Q)	N64°35'21"E	---	44.24'	---
(R)	01°32'21"	1883.50'	50.59'	25.30'
(S)	N63°07'07"E	---	56.76'	---
(T)	17°08'27"	400.00'	119.43'	60.16'
(U)	162°24'38"	2.00'	5.67'	12.93'
(V)	01°38'59"	414.00'	11.92'	5.96'
(W)	N63°07'07"E	---	56.76'	---
(X)	06°53'58"	214.00'	25.77'	12.90'
(Y)	111°35'54"	2.00'	3.90'	2.94'
(Z)	90°08'27"	15.00'	24.38'	15.85'

NO.	BEARING/DELTA	RADIUS	LENGTH	TANGENT
(AA)	N73°39'05"	2.00'	3.76'	2.74'
(AB)	N12°10'57"W	---	21.98'	---
(AC)	88°59'48"	15.00'	23.30'	14.74'
(AD)	N76°48'51"E	---	102.83'	---
(AE)	163°21'07"	2.00'	5.70'	13.67'
(AF)	N60°09'58"E	---	121.30'	---
(AG)	160°21'10"	3.00'	8.40'	17.33'
(AH)	N60°09'58"E	---	123.18'	---
(AI)	16°38'53"	400.00'	116.23'	58.52'
(AJ)	N76°48'51"E	---	88.62'	---
(AK)	N12°10'57"W	---	17.59'	---
(AL)	07°15'46"	200.00'	25.35'	12.69'

AS-BUILT PLAN
CORRECTIONS NOTED 2/23/04
SIGNATURE: *[Signature]*
TRIOLOGY PARKWAY EAST (PUBLIC)

CONSTRUCTION NOTES

- CONSTRUCT 0.39 A.C. PAVEMENT OVER 0.50 C.A.B. PER TYPICAL SECTION.
- CONSTRUCT TYPE "D" CURB (MODIFIED) PER COUNTY OF RIVERSIDE STANDARD NO. 204, AND PER DETAIL 1 ON SHEET 3.
- CONSTRUCT TYPE A-6 CURB AND GUTTER PER COUNTY OF RIVERSIDE STANDARD NO. 200. CURB AND GUTTER JOINTS PER COUNTY OF RIVERSIDE STANDARD NO. 205.
- CONSTRUCT SIDEWALK PER COUNTY OF RIVERSIDE STANDARD NO. 400.
- CONSTRUCT 6" ASPHALT CONCRETE BERM PER COUNTY OF RIVERSIDE STANDARD NO. 212.
- CONSTRUCT CURB RAMP PER COUNTY OF RIVERSIDE STANDARD NO. 403 CASE A.
- CONSTRUCT CENTERLINE MONUMENT PER COUNTY OF RIVERSIDE STANDARD NO. 901.
- CONSTRUCT CROSS-GUTTER PER COUNTY OF RIVERSIDE STANDARD NO. 209.



NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR GRADING PERMIT HAS BEEN ISSUED.

THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES AFTER COUNTY APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE COUNTY.

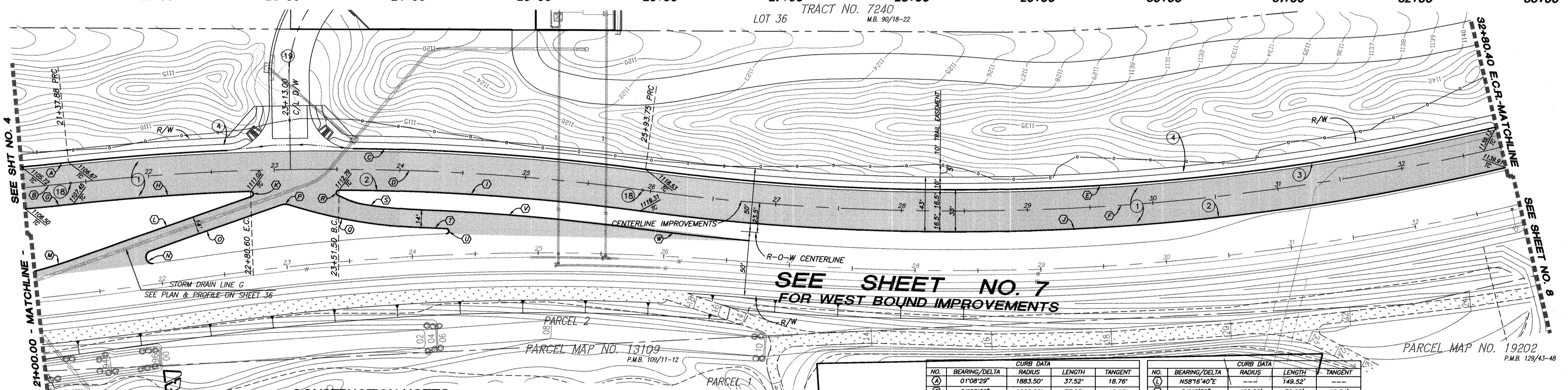
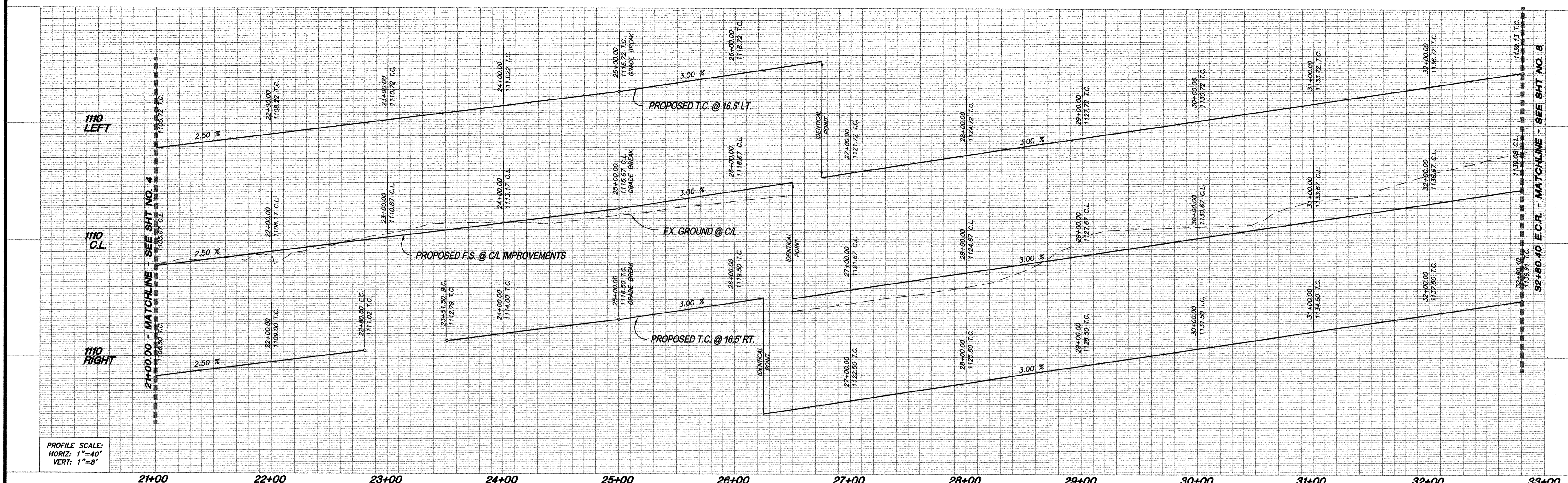
DATE	BY	MARK	REVISIONS	APPR.	DATE

SEAL-COUNTY
COUNTY OF RIVERSIDE
TRANSPORTATION DEPARTMENT
APPROVED BY: *[Signature]* 5/23/04
RECOMMENDED-BOYLE ENGINEERING 5-17-01

SEAL
REGISTERED PROFESSIONAL ENGINEER
Civil
George A. Lemfesty
No. 45920
Exp. 12-31-02
The Keith Companies **TKC**
2280 Cactus Avenue, Suite 300 Moreno Valley, CA 92553-9024 (909) 653-0234
PREPARED BY: *[Signature]* R.C.E. NO. 45920
DATE: 5-16-01

BENCHMARK:
SEE SHEET 1
DATE PREPARED: JANUARY 2001
SCALE: HOR: 1" = 40' VERT: 1" = 8'

PP#16044 IP#000090
COUNTY OF RIVERSIDE
STREET IMPROVEMENT PLANS
TRIOLOGY
TRIOLOGY PARKWAY EAST
GOLF COURSE PLOT PLAN
SHEET NO. 4 OF 39 SHTS.
FOR: W.O. COUNTY FILE NO. 925-A
Plotted: 5/16/01 1:20:53 PM By: M.GONZALES DWG: N:\31519.000\dwg\9250016.dwg



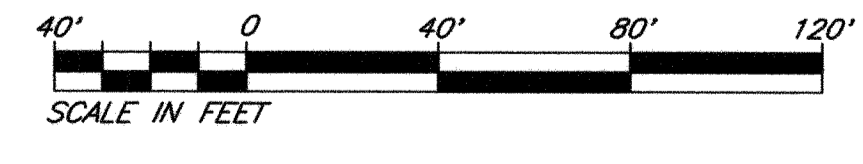
- CONSTRUCTION NOTES**
- 1 - CONSTRUCT 0.39 A.C. PAVEMENT OVER 0.50 C.A.B. PER TYPICAL SECTION.
 - 2 - CONSTRUCT TYPE "D" CURB (MODIFIED) PER COUNTY OF RIVERSIDE STANDARD NO. 204, AND PER DETAIL 1 ON SHEET 3.
 - 3 - CONSTRUCT TYPE A-6 CURB PER COUNTY OF RIVERSIDE STANDARD NO. 200. CURB AND GUTTER JOINTS PER COUNTY OF RIVERSIDE STANDARD NO. 205.
 - 4 - CONSTRUCT SIDEWALK PER COUNTY OF RIVERSIDE STANDARD NO. 400.
 - 18 - CONSTRUCT CENTERLINE MONUMENT PER COUNTY OF RIVERSIDE STANDARD NO. 901.
 - 19 - CONSTRUCT DRIVEWAY APPROACH PER COUNTY OF RIVERSIDE STANDARD NO. 207.

TRILOGY PARKWAY EAST (PUBLIC)

CURB DATA					CURB DATA				
NO.	BEARING/Delta	RADIUS	LENGTH	TANGENT	NO.	BEARING/Delta	RADIUS	LENGTH	TANGENT
(A)	01°08'29"	1883.50'	37.52'	18.76'	(L)	N58°16'40"E	---	149.52'	---
(B)	01°08'29"	1900.00'	37.85'	18.93'	(M)	04°40'39"	400.00'	32.66'	16.34'
(C)	1°44'49"	1916.50'	459.82'	231.02'	(N)	168°27'05"	5.00'	14.70'	49.44'
(D)	1°44'49"	1900.00'	455.87'	229.03'	(O)	N58°16'40"E	---	110.21'	---
(E)	20°42'23"	1883.50'	680.69'	344.10'	(P)	36°42'06"	10.00'	6.41'	3.32'
(F)	20°42'23"	1900.00'	686.65'	347.11'	(Q)	14°41'02"	399.00'	102.26'	51.41'
(G)	01°08'29"	1916.50'	38.18'	19.09'	(R)	158°09'41"	2.00'	5.52'	10.37'
(H)	04°18'14"	1883.50'	141.48'	70.77'	(S)	23°17'39"	156.04'	63.44'	32.16'
(I)	07°18'19"	1883.50'	240.14'	120.24'	(T)	00°45'59"	1855.50'	24.81'	12.41'
(J)	20°42'23"	1916.50'	692.62'	350.13'	(U)	174°49'22"	2.00'	6.10'	44.24'
(K)	162°37'30"	2.00'	5.66'	13.09'	(V)	05°25'38"	1869.50'	177.08'	88.61'
					(W)	02°38'24"	1930.50'	88.95'	44.48'

AS-BUILT PLAN
 CORRECTIONS NOTED 2/22/04
 SIGNATURE: [Signature]

Underground Service Alert
 Call: TOLL FREE 1-800-227-2600
 TWO WORKING DAYS BEFORE YOU DIG



NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR GRADING PERMIT HAS BEEN ISSUED.

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DATE	BY	MARK	REVISIONS	APPR.	DATE

SEAL-COUNTY
 COUNTY OF RIVERSIDE
 TRANSPORTATION DEPARTMENT
 APPROVED BY: [Signature] 5/23/01
 [Signature] 5-17-01
 RECOMMENDED-BOYLE ENGINEERING

SEAL
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL
 George A. Lenfestey
 No. 45920
 Exp. 12-31-02

The Keith Companies **TKC**
 22690 Coctus Avenue, Suite 300 Moreno Valley, CA 92553-9024 (909) 853-0234
 PREPARED BY: [Signature] R.C.E. NO. 45920
 DATE: 5-16-01

BENCHMARK:
 SEE SHEET 1
 DATE PREPARED: JANUARY 2001
 SCALE: HOR: 1" = 40' VERT: 1" = 8'

PP#16044 IP#000090
 COUNTY OF RIVERSIDE
 STREET IMPROVEMENT PLANS
TRILOGY PARKWAY EAST
 GOLF COURSE PLOT PLAN
 SHEET NO. 5 OF 39 SHEETS.
 FOR: [Signature] W.O. COUNTY FILE NO. 925-A

1090 LEFT

1090 C.L.

1090 RIGHT

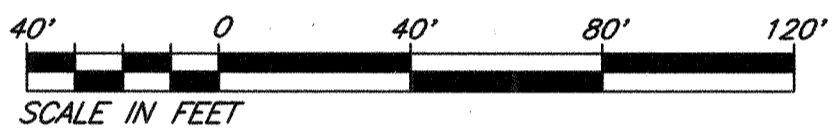
1090 LEFT

1090 C.L.

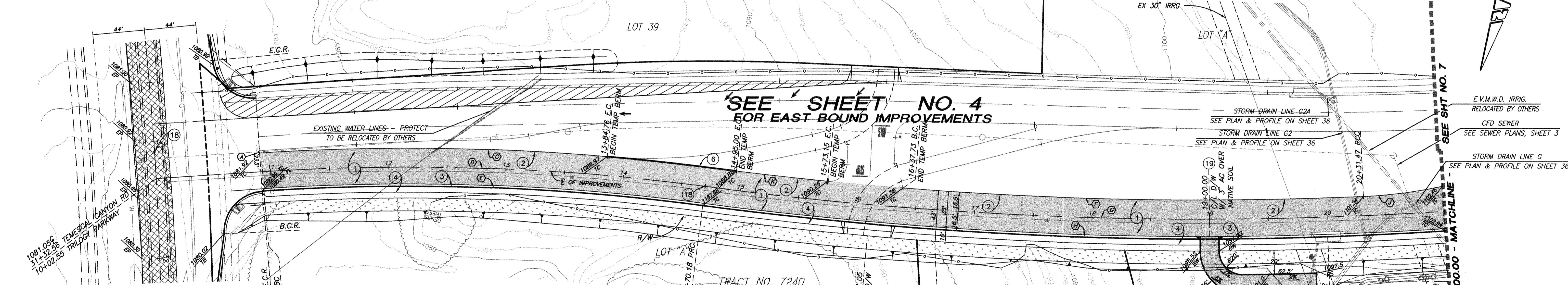
1090 RIGHT

PROFILE SCALE:
HORIZ: 1"=40'
VERT: 1"=8'

10+00 11+00 12+00 13+00 14+00 15+00 16+00 17+00 18+00 19+00 20+00 21+00



TEMESCAL CANYON RD
SEE SHT. 22



SEE SHEET NO. 4
FOR EAST BOUND IMPROVEMENTS

SEE SHT NO. 7
MATCHLINE

- CONSTRUCTION NOTES**
- CONSTRUCT 0.39 A.C. PAVEMENT OVER 0.50 C.A.B. PER TYPICAL SECTION.
 - CONSTRUCT TYPE "D" CURB (MODIFIED) PER COUNTY OF RIVERSIDE STANDARD NO. 204, AND PER DETAIL 1 ON SHEET 3.
 - CONSTRUCT TYPE A-6 CURB PER COUNTY OF RIVERSIDE STANDARD NO. 200. CURB AND GUTTER JOINTS PER COUNTY OF RIVERSIDE STANDARD NO. 205.
 - CONSTRUCT SIDEWALK PER COUNTY OF RIVERSIDE STANDARD NO. 400.
 - CONSTRUCT 6" ASPHALT CONCRETE BERM PER COUNTY OF RIVERSIDE STANDARD NO. 212.
 - CONSTRUCT CENTERLINE MONUMENT PER COUNTY OF RIVERSIDE STANDARD NO. 901.
 - CONSTRUCT DRIVEWAY APPROACH PER COUNTY OF RIVERSIDE STANDARD NO. 207.

TRILOGY PARKWAY WEST (PUBLIC) WEST BOUND IMPROVEMENTS

AS-BUILT PLAN
CORRECTIONS NOTED 2/23/04
SIGNATURE: [Signature]

NO.	BEARING/DELTA	CURVE DATA	LENGTH	TANGENT
(A)	90°00'03"	1.00'	1.57'	1.00'
(B)	01°31'10"	3183.50'	84.51'	42.26'
(C)	08°47'39"	1916.50'	294.15'	147.37'
(D)	11°22'12"	1900.00'	377.04'	189.14'
(E)	11°22'12"	1883.50'	373.77'	187.50'
(F)	07°03'00"	3183.50'	391.71'	196.10'
(G)	11°16'37"	3200.00'	629.82'	315.93'
(H)	11°16'37"	3216.50'	633.07'	317.56'
(I)	09°42'47"	400.00'	67.81'	33.99'
(J)	01°23'57"	3183.50'	77.75'	38.87'



Underground Service Alert
Call: TOLL FREE
1-800-227-2600

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DATE	BY	MARK	REVISIONS	APPR.	DATE

SEAL-COUNTY

COUNTY OF RIVERSIDE
TRANSPORTATION DEPARTMENT
APPROVED BY: [Signature]
DATE: 5/23/01

RECOMMENDED-BOYLE ENGINEERING
DATE: 5-17-01

SEAL

REGISTERED PROFESSIONAL ENGINEER
Civil
George A. Venfeste
No. 45920
Exp. 6/30/02
STATE OF CALIFORNIA

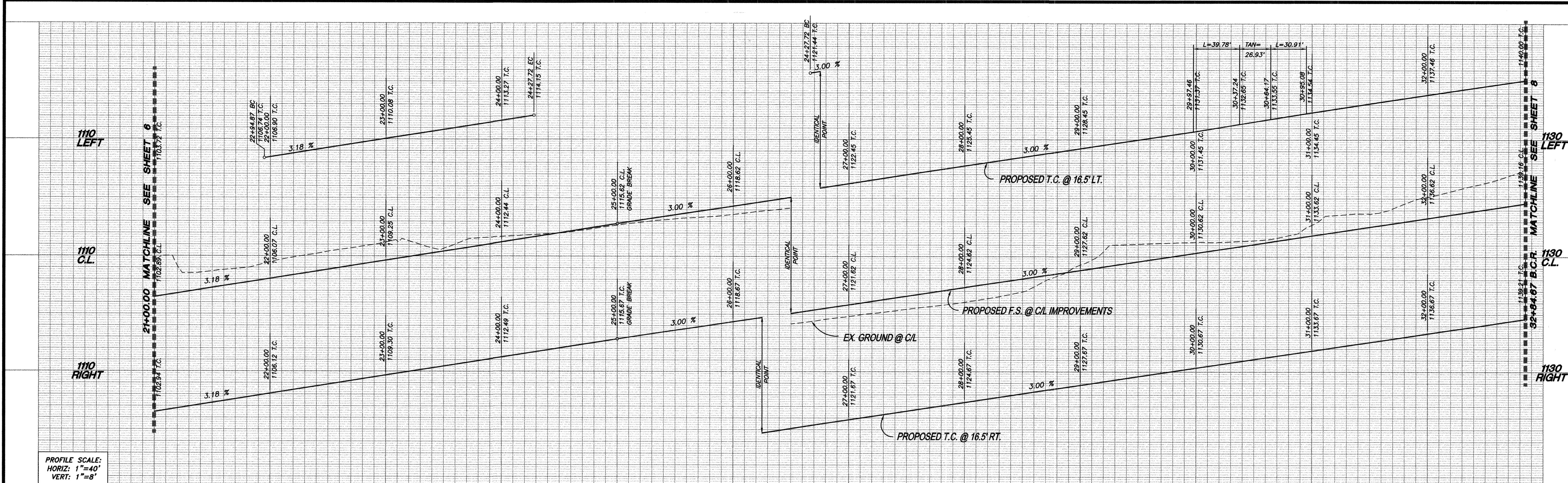
The Keith Companies **TKC**
22690 Colectus Avenue, Suite 300 Moreno Valley, CA 92553-9024 (909) 653-0234
PREPARED BY: [Signature] R.C.E. NO. 45920
DATE: 5-16-01

BENCHMARK:
SEE SHEET 1
DATE PREPARED: JANUARY 2001
SCALE: HOR: 1" = 40' VERT: 1" = 8'

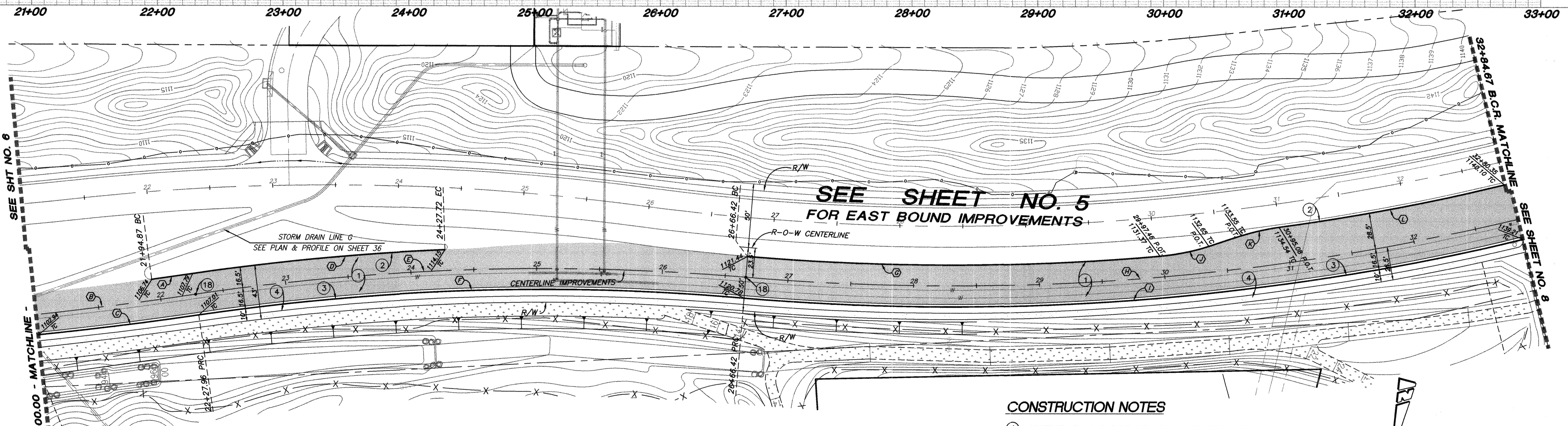
PP#16044 IP#000090
COUNTY OF RIVERSIDE
STREET IMPROVEMENT PLANS
TRILOGY
TRILOGY PARKWAY
WEST BOUND IMPROVEMENTS
GOLF COURSE PLOT PLAN

SHEET NO. 6
OF 39 SHETS.

W.O. COUNTY FILE NO. **925-A**



PROFILE SCALE:
HORIZ: 1"=40'
VERT: 1"=8'



DATA									
NO.	BEARING/DELTA	RADIUS	LENGTH	TANGENT	NO.	BEARING/DELTA	RADIUS	LENGTH	TANGENT
(A)	00°35'33"	3183.50'	32.92'	16.46'	(G)	12°22'55"	1930.50'	417.19'	208.41'
(B)	02°17'28"	3200.00'	127.98'	63.99'	(H)	18°11'38"	1947.00'	618.25'	311.75'
(C)	02°17'28"	3216.50'	128.62'	64.32'	(I)	18°11'39"	1963.50'	623.50'	314.40'
(D)	06°01'26"	1916.50'	201.49'	100.84'	(J)	12°37'42"	180.00'	39.67'	19.92'
(E)	13°13'19"	1900.00'	438.46'	220.21'	(K)	09°45'21"	180.00'	30.65'	15.36'
(F)	13°13'19"	1883.50'	434.65'	218.29'	(L)	05°27'08"	1918.50'	182.56'	91.35'

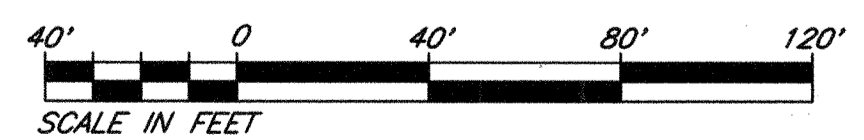
TRIOLOGY PARKWAY WEST

(PUBLIC)

AS-BUILT PLAN
CORRECTIONS NOTED 5/23/04
SIGNATURE: *[Signature]*

CONSTRUCTION NOTES

- CONSTRUCT 0.39 A.C. PAVEMENT OVER 0.50 C.A.B. PER TYPICAL SECTION.
- CONSTRUCT TYPE "D" CURB (MODIFIED) PER COUNTY OF RIVERSIDE STANDARD NO. 204, AND PER DETAIL 1 ON SHEET 3.
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- CONSTRUCT SIDEWALK PER COUNTY OF RIVERSIDE STANDARD NO. 400.
- CONSTRUCT CENTERLINE MONUMENT PER COUNTY OF RIVERSIDE STANDARD NO. 901.



CALL BEFORE YOU DIG
Underground Service Alert
Call: TOLL FREE 1-800-227-2600
TWO WORKING DAYS BEFORE YOU DIG

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DATE	BY	MARK	REVISIONS	APPR.	DATE

SEAL-COUNTY
REGISTERED PROFESSIONAL ENGINEER
KHALED A. OTHMAN
No. 33950
Exp. 6/30/02
CIVIL
STATE OF CALIFORNIA

COUNTY OF RIVERSIDE
TRANSPORTATION DEPARTMENT
APPROVED BY:
[Signature] 5/23/04
KHALED A. OTHMAN
RECOMMENDED-BOYLE ENGINEERING
5-17-01

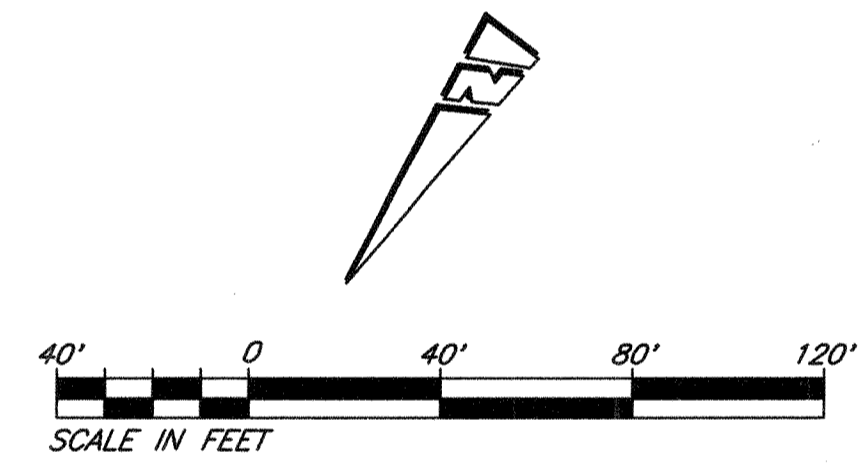
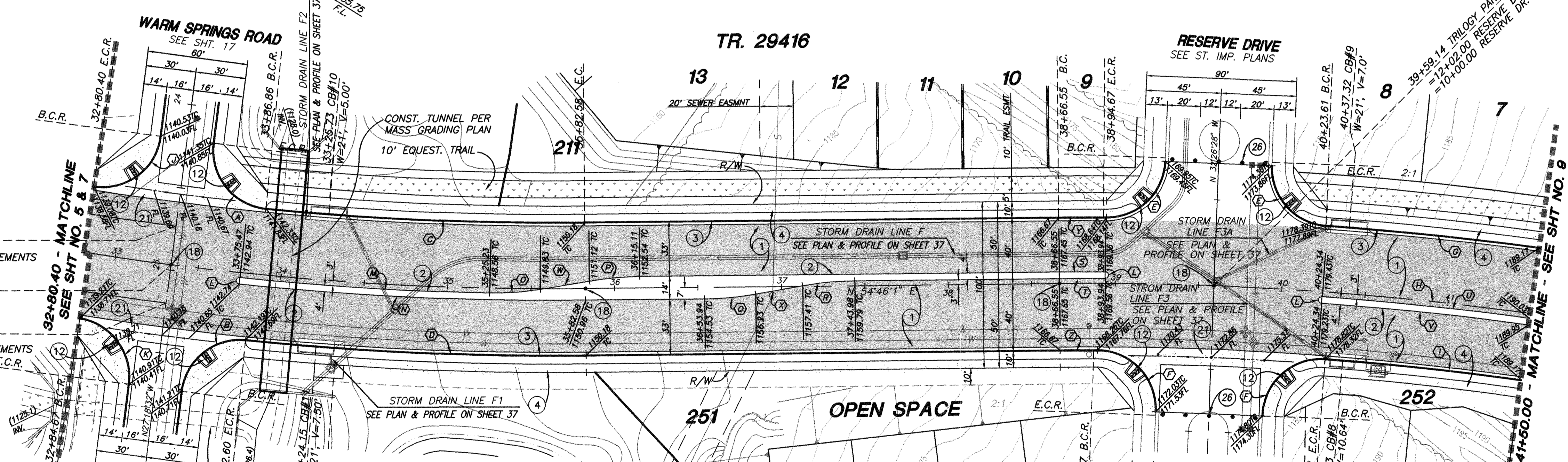
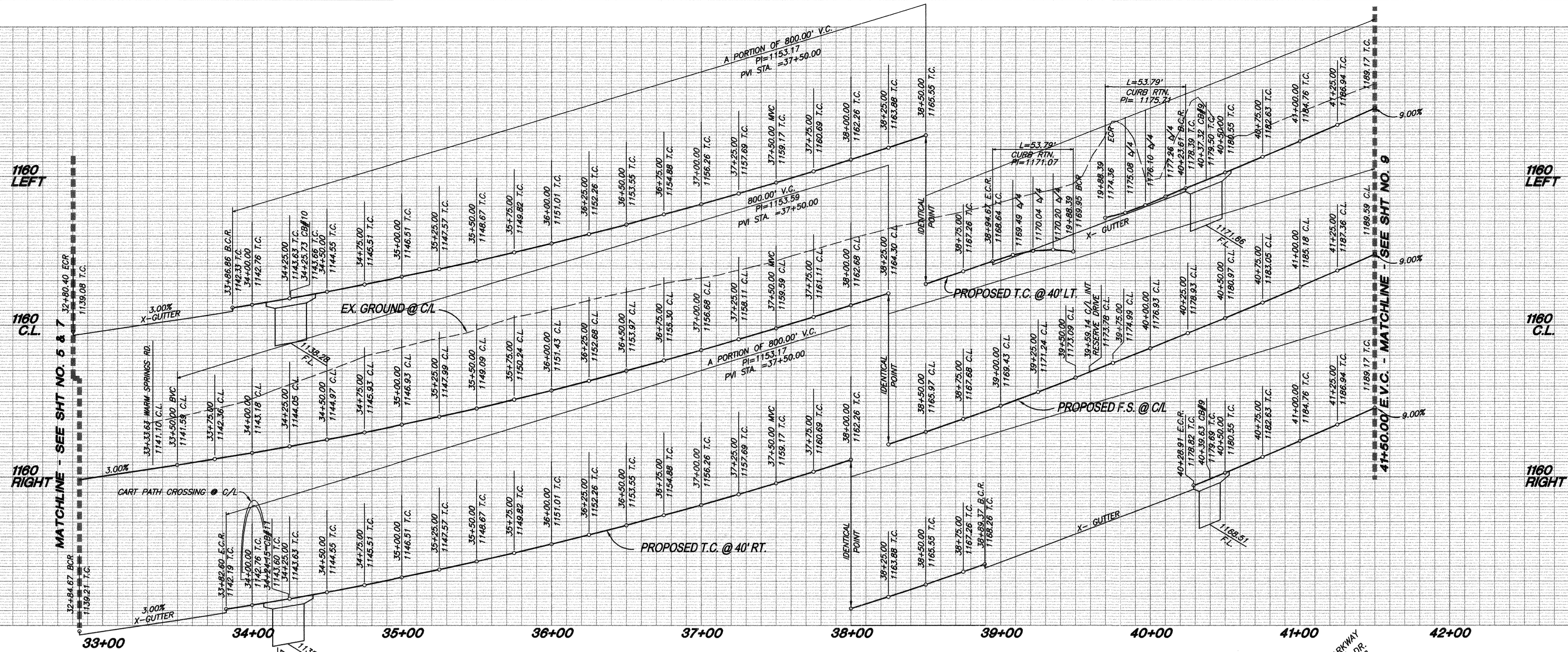
SEAL
REGISTERED PROFESSIONAL ENGINEER
George A. Lenfestey
No. 45920
Exp. 12-31-02
CIVIL
STATE OF CALIFORNIA

The Keith Companies **TKC**
22690 Cactus Avenue, Suite 300 Moreno Valley, CA 92553-3024 (909) 853-0234
PREPARED BY: *[Signature]* R.C.E. NO. 45920
DATE: 5-16-01

BENCHMARK:
SEE SHEET 1
DATE PREPARED: JANUARY 2001
SCALE: HOR: 1" = 40' VERT: 1" = 8'

PP#16044 IP#000090
COUNTY OF RIVERSIDE
STREET IMPROVEMENT PLANS
TRIOLOGY
TRIOLOGY PARKWAY WEST
GOLF COURSE PLOT PLAN
SHEET NO. 7
OF 39 SHEETS
FOR: W.O. COUNTY FILE NO. 925-A

PROFILE SCALE:
HORIZ: 1"=40'
VERT: 1"=8'



CONSTRUCTION NOTES

- 1 CONSTRUCT 0.39 A.C. PAVEMENT OVER 0.50 C.A.B. PER TYPICAL SECTION.
- 2 CONSTRUCT TYPE "D" CURB (MODIFIED) PER COUNTY OF RIVERSIDE STANDARD NO. 204, AND PER DETAIL 1 ON SHEET 3.
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- 4 CONSTRUCT SIDEWALK PER COUNTY OF RIVERSIDE STANDARD NO. 400.
- 12 CONSTRUCT CURB RAMP PER COUNTY OF RIVERSIDE STANDARD NO. 403 CASE A.
- 16 CONSTRUCT CENTERLINE MONUMENT PER COUNTY OF RIVERSIDE STANDARD NO. 901.
- 21 CONSTRUCT CROSS-GUTTER PER COUNTY OF RIVERSIDE STANDARD NO. 209.
- 26 CONSTRUCT BARRICADE PER RIVERSIDE COUNTY STD. NO. 510

TRIOLOGY PARKWAY (PUBLIC)

AS-BUILT PLAN

CORRECTIONS NOTED 2/23/04
SIGNATURE: [Signature]

NO.	BEARING/DELTA	RADIUS	LENGTH	TANGENT
(A)	91°41'39"	35.00'	56.01'	36.05'
(B)	88°26'29"	35.00'	54.03'	34.06'
(C)	06°13'48"	1760.00'	191.37'	95.78'
(D)	06°21'56"	1840.00'	204.42'	102.32'
(E)	88°03'21"	35.00'	53.79'	33.83'
(F)	92°06'14"	35.00'	56.26'	36.31'
(G)	03°45'20"	1940.00'	127.16'	63.60'
(H)	08°32'52"	1900.00'	283.45'	141.99'
(I)	03°35'12"	1860.00'	116.43'	58.23'
(J)	91°41'54"	35.00'	56.02'	36.05'
(K)	88°25'45"	35.00'	54.02'	34.05'
(L)	180°00'00"	2.00'	6.28'	---
(M)	04°46'00"	1803.00'	150.00'	75.04'
(N)	06°35'31"	1807.00'	207.90'	104.06'
(O)	10°41'31"	162.65'	30.35'	15.22'
(P)	07°49'37"	221.82'	30.30'	15.18'
(Q)	09°38'59"	182.50'	30.74'	15.40'
(R)	09°38'11"	186.50'	31.37'	15.72'
(S)	00°49'33"	1907.00'	27.49'	13.74'
(T)	00°49'33"	1903.00'	27.43'	13.72'
(U)	03°46'19"	1897.00'	124.88'	62.46'
(V)	03°46'19"	1893.00'	124.62'	62.33'
(W)	N45°54'02"E	---	29.91'	---
(X)	N45°07'50"E	---	28.64'	---
(Y)	00°50'53"	1940.00'	28.71'	14.36'
(Z)	00°41'17"	1860.00'	22.34'	11.17'

CALL BEFORE YOU DIG
Underground Service Alert
Call: TOLL FREE
1-800-227-2600
TWO WORKING DAYS BEFORE YOU DIG

NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR GRADING PERMIT HAS BEEN ISSUED.

THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES AFTER COUNTY APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE COUNTY.

DATE	BY	MARK	REVISIONS	APPR.	DATE

SEAL-COUNTY
REGISTERED PROFESSIONAL ENGINEER
No. 33950
Exp. 6/30/02
CIVIL
STATE OF CALIFORNIA

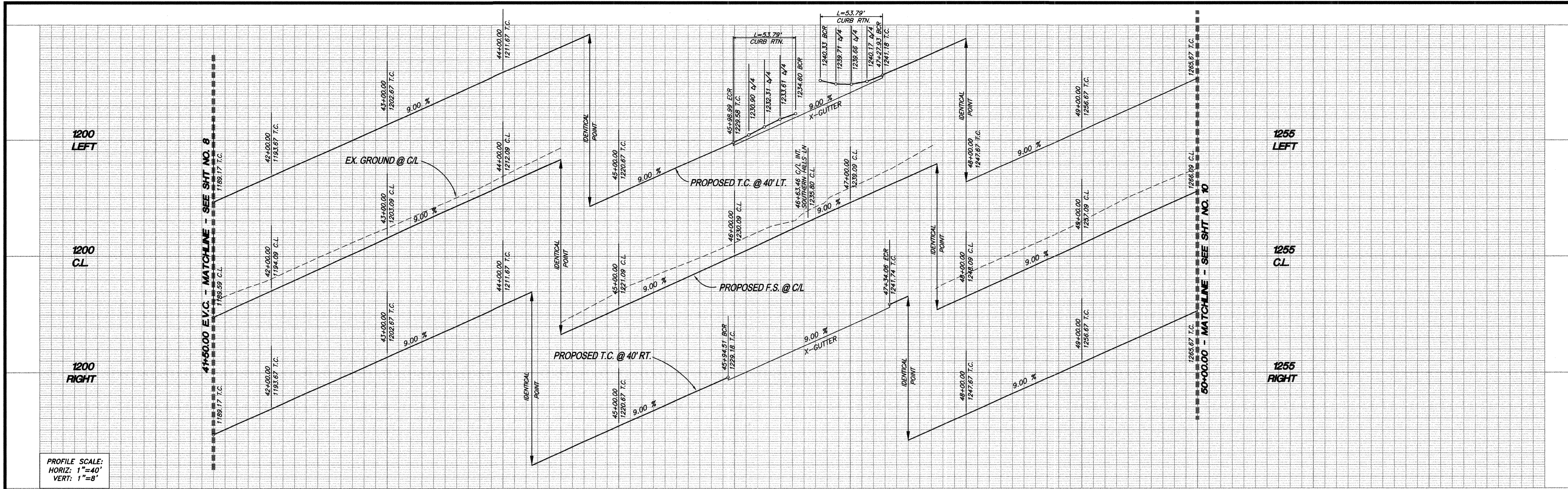
COUNTY OF RIVERSIDE
TRANSPORTATION DEPARTMENT
APPROVED BY:
[Signature] 5/23/01
DATE: 5-17-01
RECOMMENDED-BOYLE ENGINEERING

SEAL
REGISTERED PROFESSIONAL ENGINEER
Civil
George A. Lenfestey
No. 45920
Exp. 12-31-02
STATE OF CALIFORNIA

The Keith Companies **TKC**
22690 Cactus Avenue, Suite 300 Moreno Valley, CA 92553-9024 (909) 653-0234
PREPARED BY: [Signature] R.C.E. NO. 45920
DATE: 5-16-01

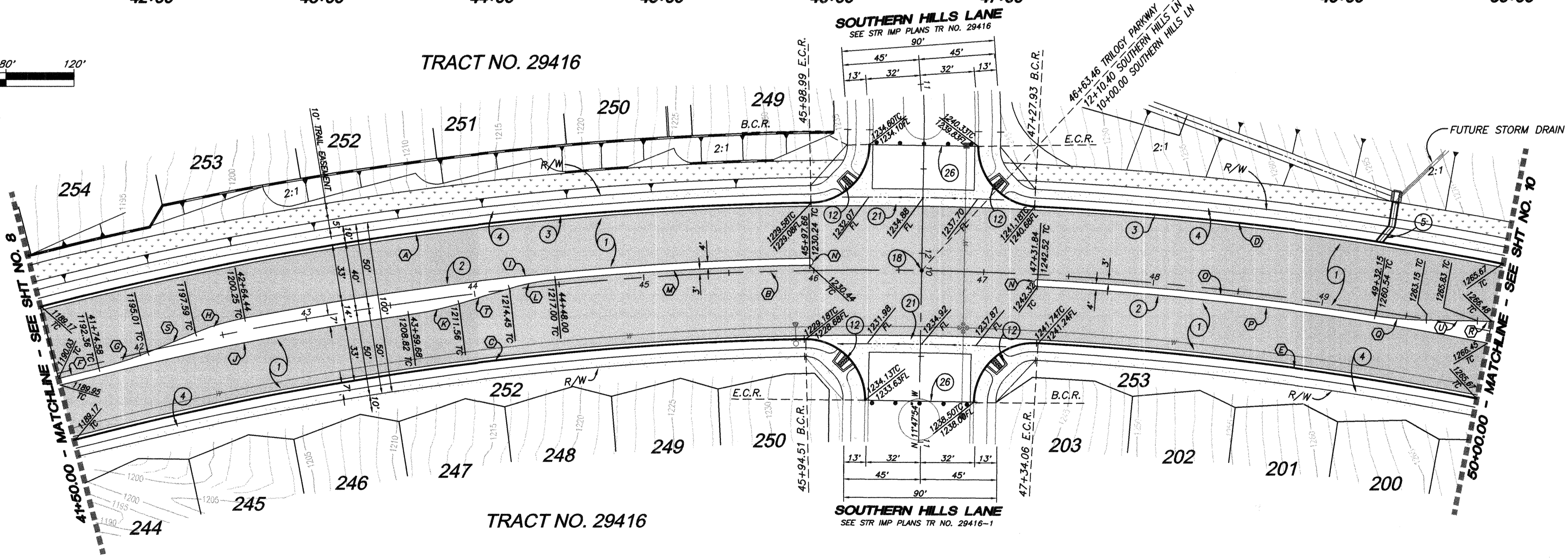
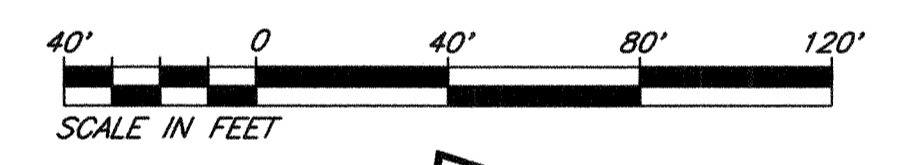
BENCHMARK:
SEE SHEET 1
DATE PREPARED: JANUARY 2001
SCALE: HOR: 1" = 40' VERT: 1" = 8'

PP#16044 IP#00090
COUNTY OF RIVERSIDE
STREET IMPROVEMENT PLANS
TRIOLOGY PARKWAY
GOLF COURSE PLOT PLAN
SHEET NO. **8**
OF 39 SHEETS
FOR: W.O. COUNTY FILE NO. **925-A**



PROFILE SCALE:
HORIZ: 1"=40'
VERT: 1"=8'

70+00 41+00 42+00 43+00 44+00 45+00 46+00 47+00 48+00 49+00 50+00



CONSTRUCTION NOTES

- 1) CONSTRUCT 0.39 A.C. PAVEMENT OVER 0.50 C.A.B. PER TYPICAL SECTION.
- 2) CONSTRUCT TYPE "D" CURB (MODIFIED) PER COUNTY OF RIVERSIDE STANDARD NO. 204, AND PER DETAIL 1 ON SHEET 3.
- 3) CONSTRUCT TYPE A-6 CURB PER COUNTY OF RIVERSIDE STANDARD NO. 200. CURB AND GUTTER JOINTS PER COUNTY OF RIVERSIDE STANDARD NO. 205.
- 4) CONSTRUCT SIDEWALK PER COUNTY OF RIVERSIDE STANDARD NO. 400.
- 5) CONSTRUCT CURB OUTLET PER COUNTY OF RIVERSIDE STANDARD NO. 308.
- 12) CONSTRUCT CURB RAMP PER COUNTY OF RIVERSIDE STANDARD NO. 403 CASE A.
- 18) CONSTRUCT CENTERLINE MONUMENT PER COUNTY OF RIVERSIDE STANDARD NO. 901.
- 21) CONSTRUCT CROSS-GUTTER PER COUNTY OF RIVERSIDE STANDARD NO. 209.
- 26) CONSTRUCT BARRICADE PER RIVERSIDE COUNTY STD. NO. 510

CURVE DATA				
NO.	DELTA/BEARING	RADIUS	LENGTH	TANGENT
(A)	13°32'17"	1940.00'	498.39'	230.27'
(B)	25°37'56"	1900.00'	850.00'	432.23'
(C)	13°30'13"	1860.00'	438.37'	220.21'
(D)	08°12'22"	1940.00'	277.86'	139.17'
(E)	07°57'14"	1860.00'	258.20'	129.31'
(F)	00°44'29"	1897.00'	24.55'	12.27'
(G)	08°10'18"	211.79'	30.21'	15.13'
(H)	10°54'38"	159.18'	30.31'	15.20'
(I)	10°02'55"	1907.00'	334.45'	167.66'
(J)	06°19'25"	1893.00'	208.93'	104.57'
(K)	08°03'19"	216.64'	30.46'	15.25'
(L)	10°56'52"	144.00'	27.51'	13.80'
(M)	04°30'48"	1903.00'	149.90'	74.99'
(N)	180°00'00"	2.00'	6.28'	0.00'
(O)	06°01'52"	1897.00'	199.68'	99.93'
(P)	08°04'34"	1893.00'	266.83'	133.64'
(Q)	08°09'28"	213.15'	30.35'	15.20'
(R)	02°53'25"	160.25'	8.08'	4.04'
(S)	34°06'57"	---	30.13'	---
(T)	28°38'48"	---	30.95'	---
(U)	11°15'59"	---	30.03'	---

Underground Service Alert
Call: TOLL FREE
1-800-227-2600
TWO WORKING DAYS BEFORE YOU DIG

TRILOGY PARKWAY (PUBLIC)

AS-BUILT PLAN
CORRECTIONS NOTED: 4/23/04
SIGNATURE: [Signature]

NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR GRADING PERMIT HAS BEEN ISSUED.

THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON IN THE EVENT OF DISCREPANCIES AFTER COUNTY APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE COUNTY.

DATE	BY	MARK	REVISIONS	APPR.	DATE

SEAL-COUNTY

COUNTY OF RIVERSIDE
TRANSPORTATION DEPARTMENT
APPROVED BY: [Signature] 5/23/04
[Signature] 5-17-01

SEAL

George A. Lenfestey
No. 45920
Exp. 12-31-02
CIVIL
STATE OF CALIFORNIA

The Keith Companies **TKC**
22690 Cactus Avenue, Suite 300 Moreno Valley, CA 92553-9024 (909) 653-0234

PREPARED BY: [Signature] R.C.E. NO. 45920
DATE: 5-16-01

BENCHMARK:
SEE SHEET 1

DATE PREPARED: JANUARY 2001

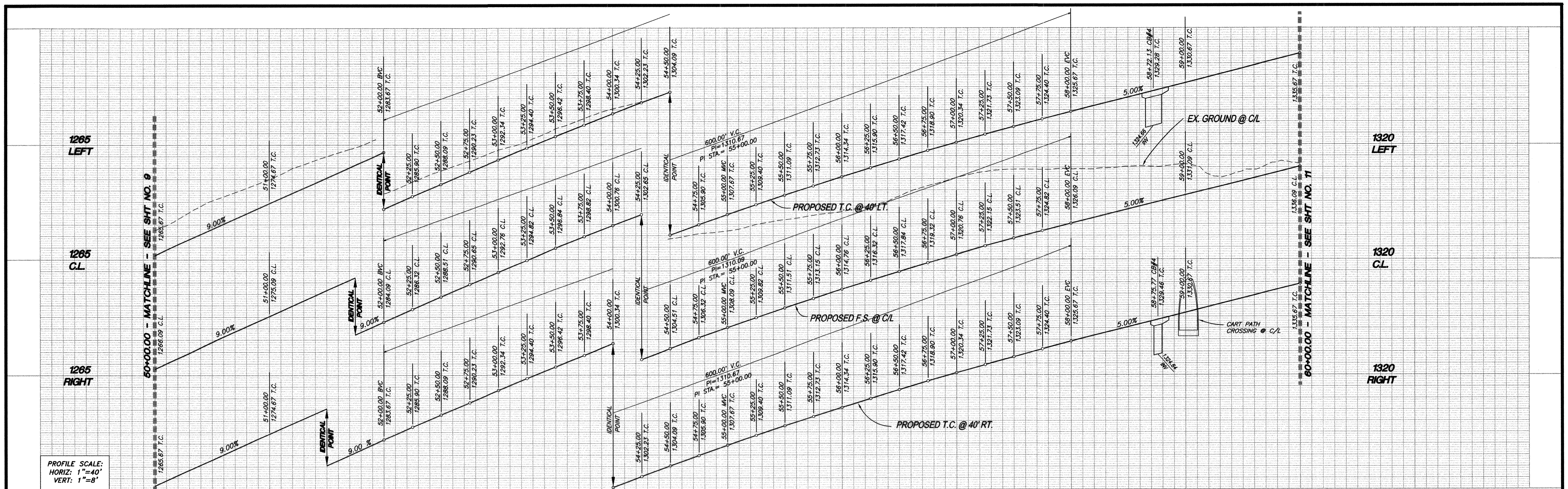
SCALE:
HOR: 1" = 40' VERT: 1" = 8'

PP#16044 IP#000090
COUNTY OF RIVERSIDE
STREET IMPROVEMENT PLANS
TRILOGY

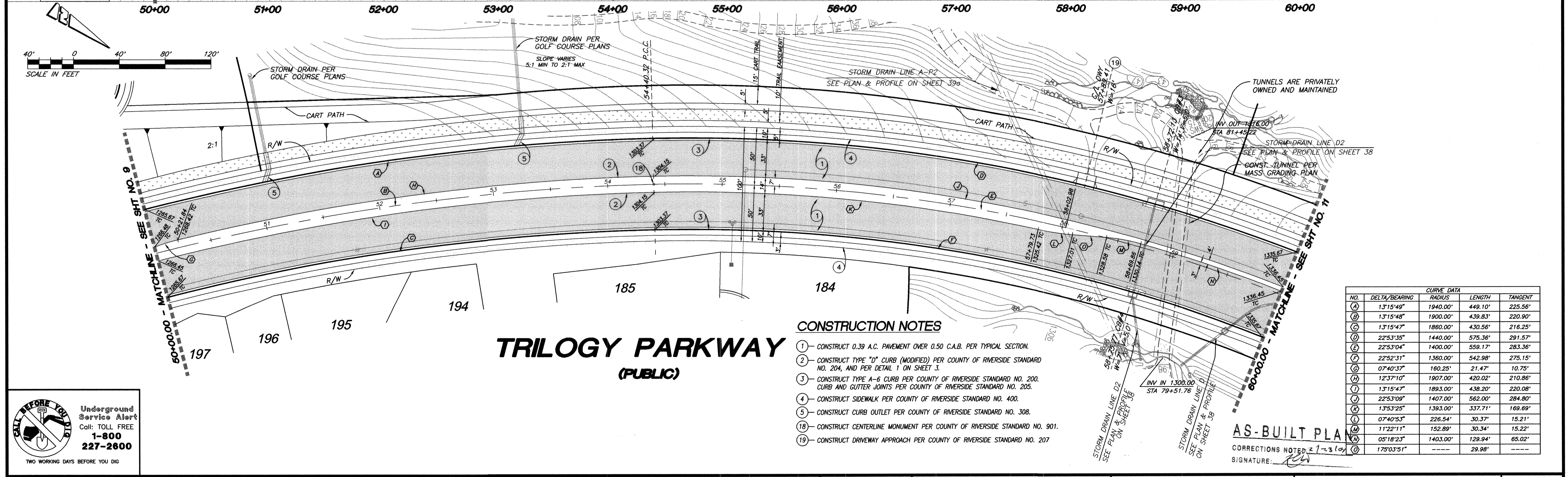
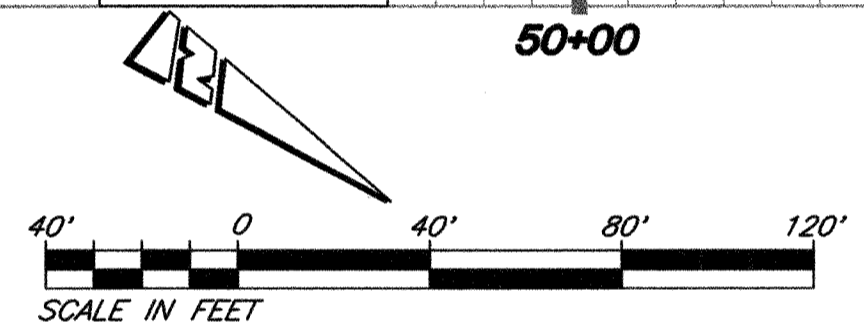
TRILOGY PARKWAY
GOLF COURSE PLOT PLAN

SHEET NO. 9 OF 39 SHEETS.

FOR: W.O. COUNTY FILE NO. 925-A



PROFILE SCALE:
HORIZ: 1"=40'
VERT: 1"=8'



CONSTRUCTION NOTES

- ① - CONSTRUCT 0.39 A.C. PAVEMENT OVER 0.50 C.A.B. PER TYPICAL SECTION.
- ② - CONSTRUCT TYPE "D" CURB (MODIFIED) PER COUNTY OF RIVERSIDE STANDARD NO. 204, AND PER DETAIL 1 ON SHEET 3.
- ③ - CONSTRUCT TYPE A-6 CURB PER COUNTY OF RIVERSIDE STANDARD NO. 200. CURB AND GUTTER JOINTS PER COUNTY OF RIVERSIDE STANDARD NO. 205.
- ④ - CONSTRUCT SIDEWALK PER COUNTY OF RIVERSIDE STANDARD NO. 400.
- ⑤ - CONSTRUCT CURB OUTLET PER COUNTY OF RIVERSIDE STANDARD NO. 308.
- ⑬ - CONSTRUCT CENTERLINE MONUMENT PER COUNTY OF RIVERSIDE STANDARD NO. 901.
- ⑭ - CONSTRUCT DRIVEWAY APPROACH PER COUNTY OF RIVERSIDE STANDARD NO. 207.

CURVE DATA				
NO.	DELTA/BEARING	RADIUS	LENGTH	TANGENT
A	13°15'49"	1940.00'	449.10'	225.56'
B	13°15'48"	1900.00'	439.83'	220.90'
C	13°15'47"	1880.00'	430.56'	216.25'
D	22°53'35"	1440.00'	575.36'	291.57'
E	22°53'04"	1400.00'	559.17'	283.36'
F	22°52'31"	1360.00'	542.98'	275.15'
G	07°40'37"	160.25'	21.47'	10.75'
H	12°37'10"	1907.00'	420.02'	210.86'
I	13°15'47"	1893.00'	438.20'	220.08'
J	22°53'09"	1407.00'	562.00'	284.80'
K	13°53'25"	1393.00'	337.71'	169.69'
L	07°40'53"	226.54'	30.37'	15.21'
M	11°22'11"	152.89'	30.34'	15.22'
N	05°18'23"	1403.00'	129.94'	65.02'
O	17°50'31"	-----	29.98'	-----

AS-BUILT PLAN
CORRECTIONS NOTED 2/23/01
SIGNATURE: [Signature]

CALL BEFORE YOU DIG
Underground Service Alert
Call: TOLL FREE
1-800-227-2600
TWO WORKING DAYS BEFORE YOU DIG

NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR GRADING PERMIT HAS BEEN ISSUED.

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DATE	BY	MARK	REVISIONS	APPR.	DATE

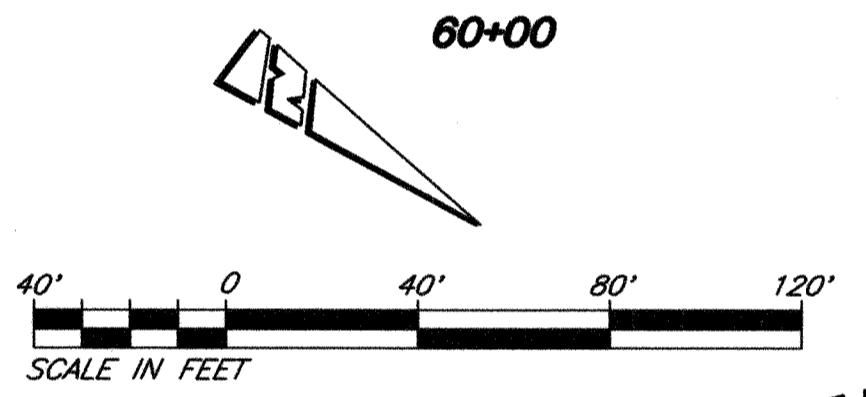
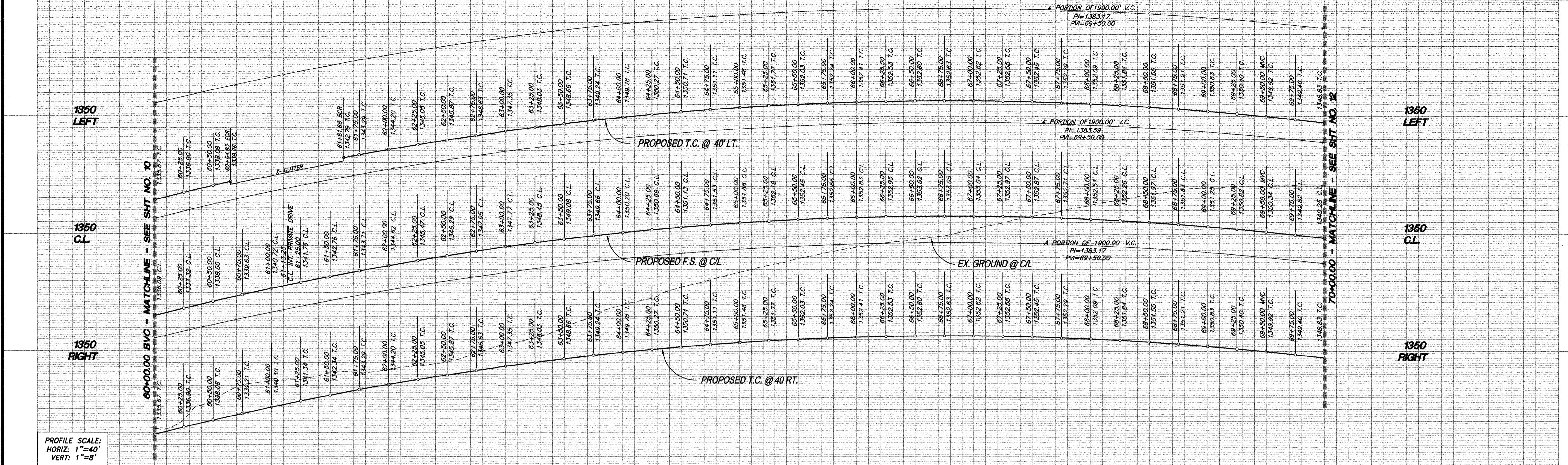
SEAL-COUNTY
COUNTY OF RIVERSIDE
TRANSPORTATION DEPARTMENT
APPROVED BY:
[Signature]
KHALIFA A. OTHMAN
5-17-01

SEAL
REGISTERED PROFESSIONAL ENGINEER
Civil
George A. Lenfestey
No. 33950
Exp. 6/30/02
CIVIL
STATE OF CALIFORNIA

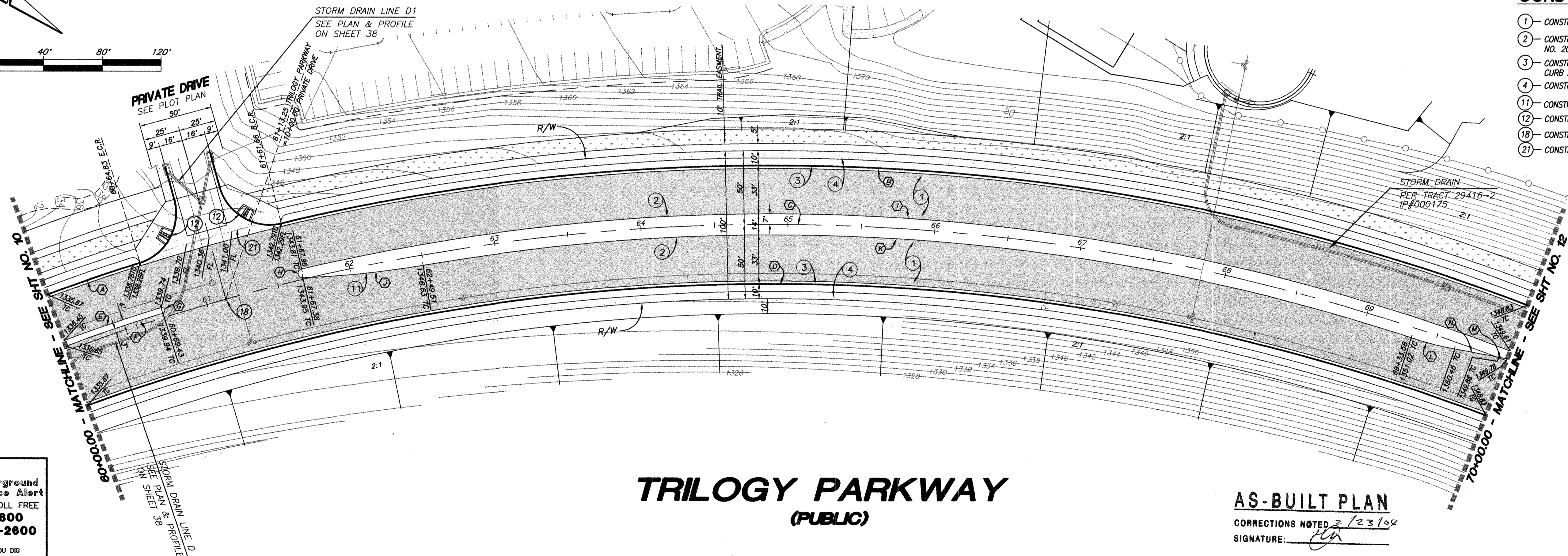
The Keith Companies **TKC**
22690 Cactus Avenue, Suite 300 Moreno Valley, CA 92553-9024 (909) 653-0234
PREPARED BY: [Signature] R.C.E. NO. 45920
DATE: 5-16-01

BENCHMARK:
SEE SHEET 1
DATE PREPARED: JANUARY 2001
SCALE: HOR: 1" = 40' VERT: 1" = 8'

PP#16044 IP#000090
COUNTY OF RIVERSIDE
STREET IMPROVEMENT PLANS
TRIOLOGY PARKWAY
GOLF COURSE PLOT PLAN
SHEET NO. **10**
OF **39** SHTS.
FOR: [Signature] W.O. COUNTY FILE NO. **925-A**



- ### CONSTRUCTION NOTES
- CONSTRUCT 0.39 A.C. PAVEMENT OVER 0.50 C.A.B. PER TYPICAL SECTION.
 - CONSTRUCT TYPE "D" CURB (MODIFIED) PER COUNTY OF RIVERSIDE STANDARD NO. 204, AND PER DETAIL 1 ON SHEET 3.
 - CONSTRUCT TYPE A-6 CURB PER COUNTY OF RIVERSIDE STANDARD NO. 200. CURB AND GUTTER JOINTS PER COUNTY OF RIVERSIDE STANDARD NO. 205.
 - CONSTRUCT SIDEWALK PER COUNTY OF RIVERSIDE STANDARD NO. 400.
 - CONSTRUCT MEDIAN FLARE PER A.P.W.A. STANDARD PLAN 141-1.
 - CONSTRUCT CURB RAMP PER COUNTY OF RIVERSIDE STANDARD NO. 403 CASE A.
 - CONSTRUCT CENTERLINE MONUMENT PER COUNTY OF RIVERSIDE STANDARD NO. 901.
 - CONSTRUCT CROSS-GUTTER PER COUNTY OF RIVERSIDE STANDARD NO. 209.



NO.	DELTA/BEARING	RADIUS	LENGTH	TANGENT
(A)	02°50'29"	1440.00'	71.41'	35.71'
(B)	34°29'52"	1440.00'	867.03'	447.10'
(C)	40°55'33"	1400.00'	1000.00'	522.40'
(D)	40°55'33"	1360.00'	971.43'	507.48'
(E)	02°50'29"	1407.00'	69.78'	34.89'
(F)	02°50'29"	1403.00'	69.58'	34.80'
(G)	180°00'00"	2.00'	6.28'	---
(H)	188°47'34"	3.00'	8.84'	30.58'
(I)	34°03'06"	1407.00'	836.20'	430.86'
(J)	07°52'10"	600.00'	82.41'	41.27'
(K)	27°59'45"	1393.00'	680.64'	347.26'
(L)	07°36'16"	229.43'	30.45'	15.25'
(M)	02°13'29"	152.23'	5.91'	2.96'
(N)	294°16'01"	---	30.49'	---

CALL BEFORE YOU DIG
 Underground Service Alert
 Call: TOLL FREE 1-800-227-2600
 TWO WORKING DAYS BEFORE YOU DIG

NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR GRADING PERMIT HAS BEEN ISSUED.

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DATE	BY	MARK	REVISIONS	APPR.	DATE	COUNTY

SEAL-COUNTY
 REGISTERED PROFESSIONAL ENGINEER
 No. 33950
 Exp. 6/30/02
 CIVIL
 STATE OF CALIFORNIA

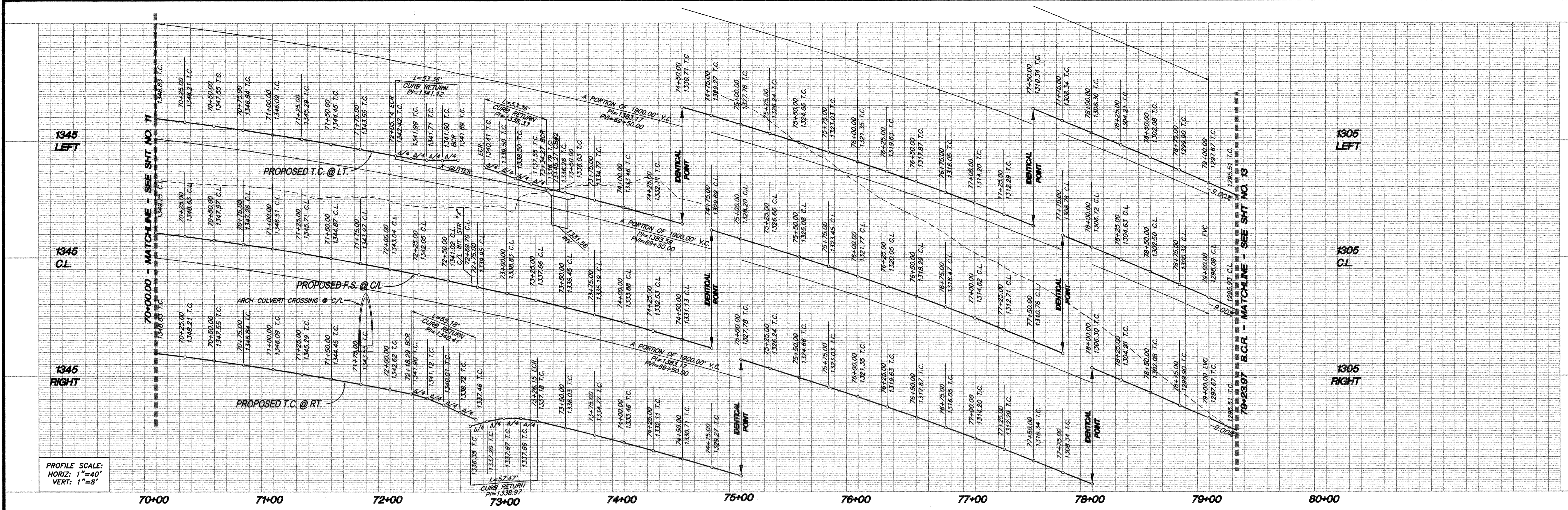
COUNTY OF RIVERSIDE
 TRANSPORTATION DEPARTMENT
 APPROVED BY:
 [Signature] 5/23/01
 RECOMMENDED-BOYLE ENGINEERING
 DATE: 5-17-01

SEAL
 REGISTERED PROFESSIONAL ENGINEER
 Civil
 George A. Lanfesty
 No. 45920
 Exp. 12-31-02
 STATE OF CALIFORNIA

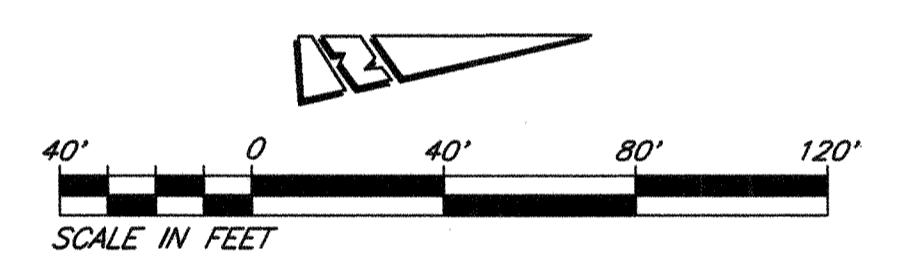
The Keith Companies **TKC**
 22600 Cactus Avenue, Suite 300 Moreno Valley, CA 92553-0224 (909) 653-0234
 PREPARED BY: [Signature] R.C.E. NO. 45920
 DATE: 5-16-01

BENCHMARK:
 SEE SHEET 1
 DATE PREPARED: JANUARY 2001
 SCALE: HOR: 1" = 40' VERT: 1" = 8'

PP#16044 IP#000090
 COUNTY OF RIVERSIDE
 STREET IMPROVEMENT PLANS
TRILogy
 TRILogy PARKWAY
 GOLF COURSE PLOT PLAN
 SHEET NO. 11 OF 39 SHEETS
 FOR: W.O. COUNTY FILE NO. 925-A



PROFILE SCALE:
HORIZ: 1"=40'
VERT: 1"=8'



CONSTRUCTION NOTES

1. CONSTRUCT 0.39 A.C. PAVEMENT OVER 0.50 C.A.B. PER TYPICAL SECTION.
2. CONSTRUCT TYPE "D" CURB (MODIFIED) PER COUNTY OF RIVERSIDE STANDARD NO. 204, AND PER DETAIL 1 ON SHEET 3.
3. CONSTRUCT TYPE A-6 CURB PER COUNTY OF RIVERSIDE STANDARD NO. 200. CURB AND GUTTER JOINTS PER COUNTY OF RIVERSIDE STANDARD NO. 205.
4. CONSTRUCT SIDEWALK PER COUNTY OF RIVERSIDE STANDARD NO. 400.
12. CONSTRUCT CURB RAMP PER COUNTY OF RIVERSIDE STANDARD NO. 403 C.A. E.
18. CONSTRUCT CENTERLINE MONUMENT PER COUNTY OF RIVERSIDE STANDARD NO. 901.
21. CONSTRUCT CROSS-GUTTER PER COUNTY OF RIVERSIDE STANDARD NO. 209.

CURVE DATA - LINE DATA				
NO.	DELTA	RADIUS	LENGTH	TANGENT
(A)	08°18'24"	1440.00'	208.77'	104.57'
(B)	37°48'52"	1400.00'	923.98'	479.53'
(C)	09°09'01"	1360.00'	217.19'	108.83'
(D)	87°21'27"	35.00'	53.36'	33.42'
(E)	87°21'27"	35.00'	53.36'	33.42'
(F)	24°13'15"	1440.00'	608.74'	308.98'
(G)	24°41'53"	1360.00'	586.25'	297.75'
(H)	09°09'01"	1407.00'	224.70'	112.59'
(I)	180°00'00"	2.00'	6.28'	---
(J)	09°04'55"	152.23'	24.13'	12.09'
(K)	08°10'03"	1403.00'	200.00'	100.17'
(L)	24°41'53"	1393.00'	600.47'	304.97'
(M)	08°12'10"	1397.00'	200.00'	100.17'
(N)	07°40'27"	226.85'	30.38'	15.21'
(O)	11°21'17"	152.98'	30.31'	15.21'
(P)	12°48'55"	1407.00'	314.70'	158.01'
(Q)	N00°17'58"W	---	30.04'	---
(R)	90°19'44"	35.00'	55.18'	35.20'
(S)	94°05'07"	35.00'	57.47'	37.59'

AS-BUILT PLAN

CORRECTIONS NOTED 2/23/01
SIGNATURE: *[Signature]*

Underground Service Alert
Call: TOLL FREE
1-800-227-2600
TWO WORKING DAYS BEFORE YOU DIG

NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR GRADING PERMIT HAS BEEN ISSUED.

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DATE	BY	MARK	REVISIONS	APPR.	DATE
10-24-00			ADDED LEFT TURN POCKET		

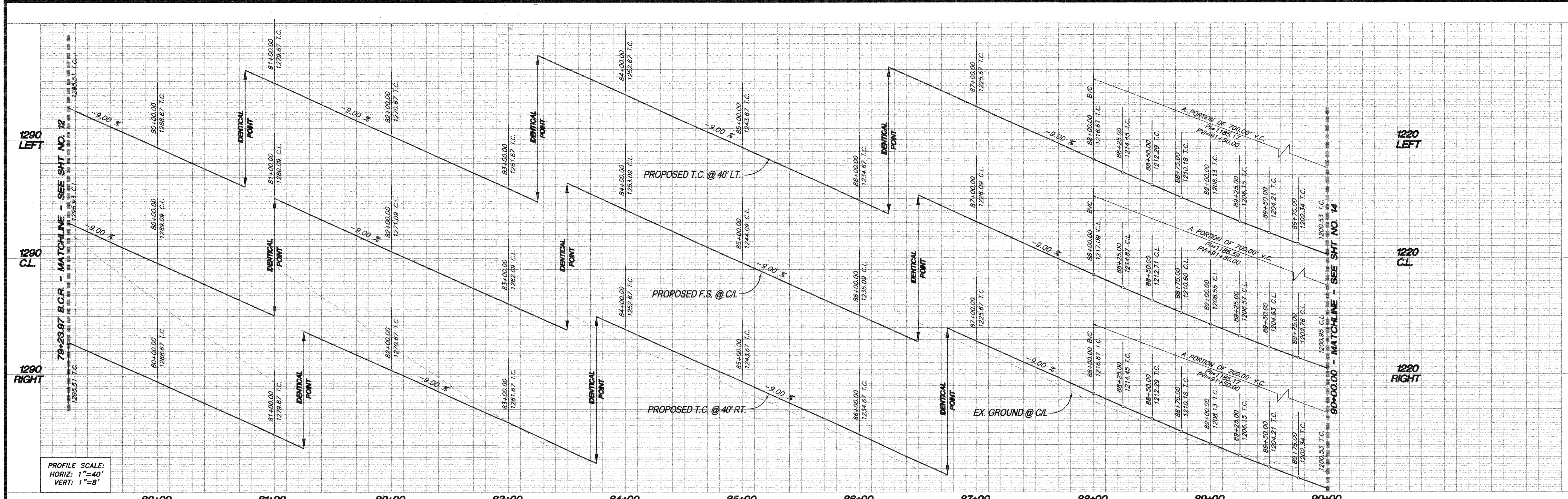
SEAL-COUNTY
COUNTY OF RIVERSIDE
TRANSPORTATION DEPARTMENT
APPROVED BY: *[Signature]* 5/23/01
RECOMMENDED-BOYLE ENGINEERING
DATE: 5-17-01

SEAL
REGISTERED PROFESSIONAL ENGINEER
George A. Lenfestey
No. 45920
Exp. 6/30/02
STATE OF CALIFORNIA

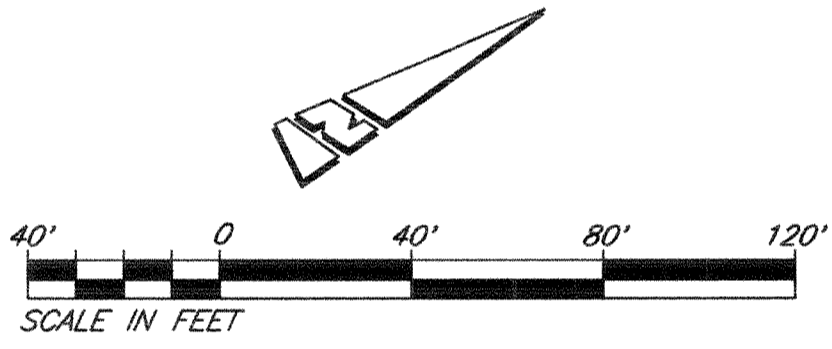
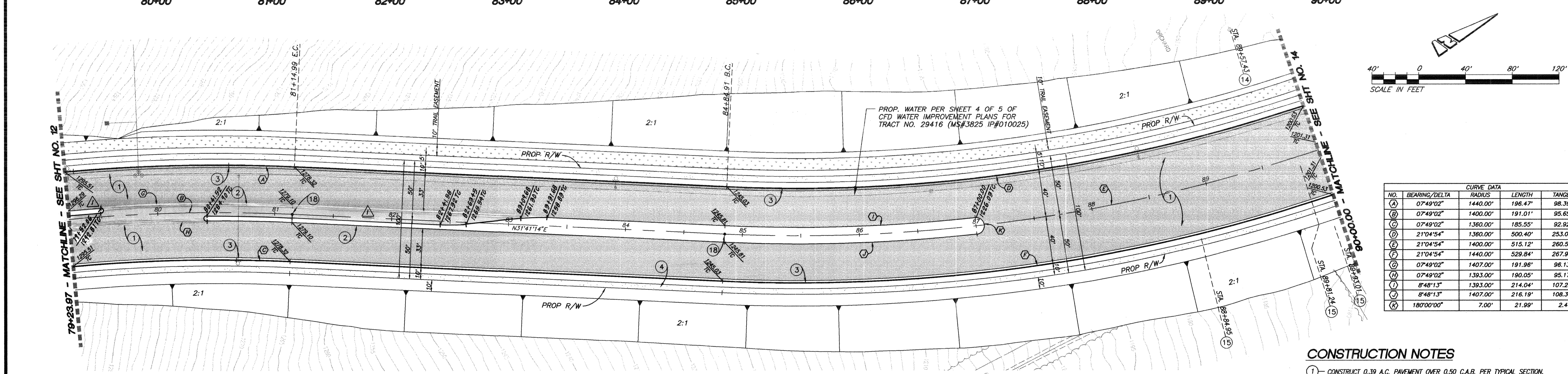
The Keith Companies **TKC**
22690 Cactus Avenue, Suite 300 Moreno Valley, CA 92553-9024 (909) 653-6234
PREPARED BY: *[Signature]* R.C.E. NO. 45920
DATE: 5-16-01

BENCHMARK:
SEE SHEET 1
DATE PREPARED: JANUARY 2001
SCALE: HOR: 1" = 40' VERT: 1" = 8'

PP#16044 IP#000090
COUNTY OF RIVERSIDE
STREET IMPROVEMENT PLANS
TRILOGY
TRILOGY PARKWAY
GOLF COURSE PLOT PLAN
SHEET NO. 12 OF 39 SHEETS
FOR: W.O. COUNTY FILE NO. 925-A



PROFILE SCALE:
HORIZ: 1"=40'
VERT: 1"=8'



CURVE DATA				
NO.	BEARING/DELTA	RADIUS	LENGTH	TANGENT
A	07°49'02"	1440.00'	196.47'	98.39'
B	07°49'02"	1400.00'	191.01'	95.65'
C	07°49'02"	1360.00'	185.55'	92.92'
D	21°04'54"	1360.00'	500.40'	253.06'
E	21°04'54"	1400.00'	515.12'	260.51'
F	21°04'54"	1440.00'	529.84'	267.95'
G	07°49'02"	1407.00'	191.96'	96.13'
H	07°49'02"	1393.00'	190.05'	95.17'
I	8°48'13"	1393.00'	214.04'	107.23'
J	8°48'13"	1407.00'	216.19'	108.31'
K	180°00'00"	7.00'	21.99'	2.47'

- CONSTRUCTION NOTES**
- CONSTRUCT 0.39 A.C. PAVEMENT OVER 0.50 C.A.B. PER TYPICAL SECTION.
 - CONSTRUCT TYPE "D" CURB (MODIFIED) PER COUNTY OF RIVERSIDE STANDARD NO. 204 AND PER DETAIL 1 ON SHEET 3.
 - CONSTRUCT TYPE A-6 CURB PER COUNTY OF RIVERSIDE STANDARD NO. 200. CURB AND GUTTER JOINTS PER COUNTY OF RIVERSIDE STANDARD NO. 205.
 - CONSTRUCT SIDEWALK PER COUNTY OF RIVERSIDE STANDARD NO. 400.
 - PROTECT EXIST. FENCE/POLE/SIGN IN PLACE.
 - RELOCATE POLE (BY OTHERS).
 - CONSTRUCT CENTERLINE MONUMENT PER COUNTY OF RIVERSIDE STANDARD NO. 901.

Underground Service Alert
Call: TOLL FREE
1-800-227-2600
TWO WORKING DAYS BEFORE YOU DIG

TRILOGY PARKWAY (PUBLIC)

(SEE SHEET 27 FOR INTERIM STREET PLAN)

AS-BUILT PLAN
CORRECTIONS NOTED 2, 2, 3, 10, 11
SIGNATURE: *[Signature]*

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DATE	BY	MARK	REVISIONS	APPR.	DATE
10-24-09			ADDED LEFT TURN POCKET		

SEAL-COUNTY
REGISTERED PROFESSIONAL ENGINEER
No. 33950
Exp. 6/30/02
CIVIL
STATE OF CALIFORNIA

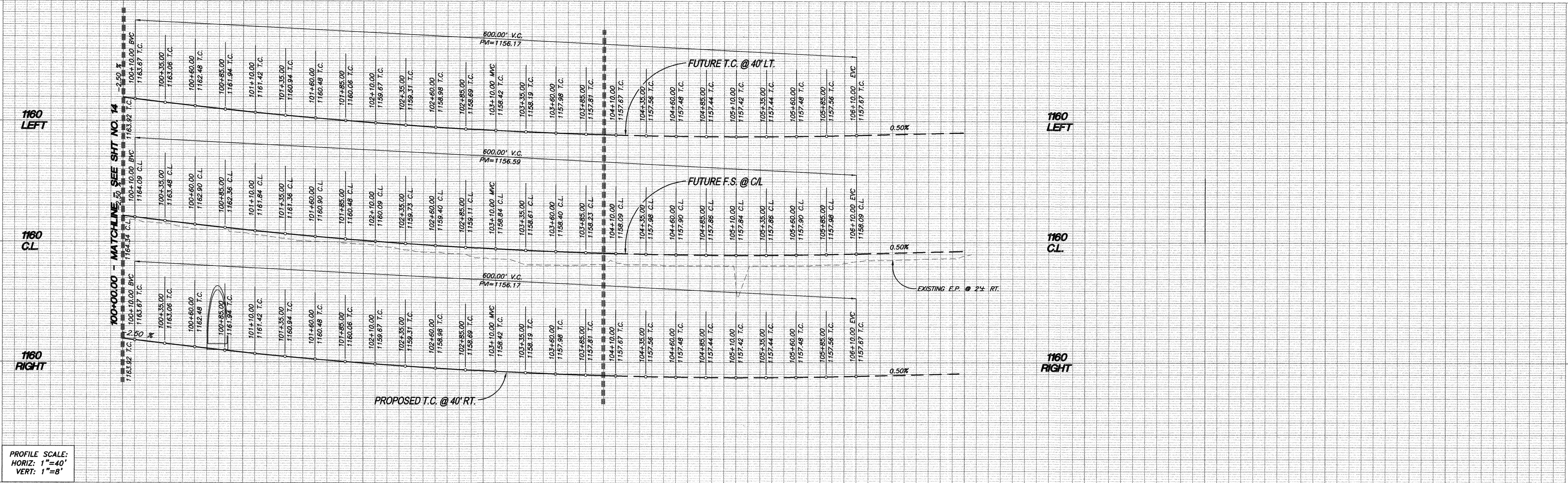
COUNTY OF RIVERSIDE
TRANSPORTATION DEPARTMENT
APPROVED BY:
[Signature] 5/23/01
DATE: 5-17-01
RECOMMENDED-BOYLE ENGINEERING

SEAL
REGISTERED PROFESSIONAL ENGINEER
Civil
George A. Lenfesty
No. 45920
Exp. 12-31-02
STATE OF CALIFORNIA

The Keith Companies **TKC**
22690 Cactus Avenue, Suite 300 Moreno Valley, CA 92553-9024 (909) 653-0234
PREPARED BY: *[Signature]* R.C.E. NO. 45920
DATE: 5-16-01

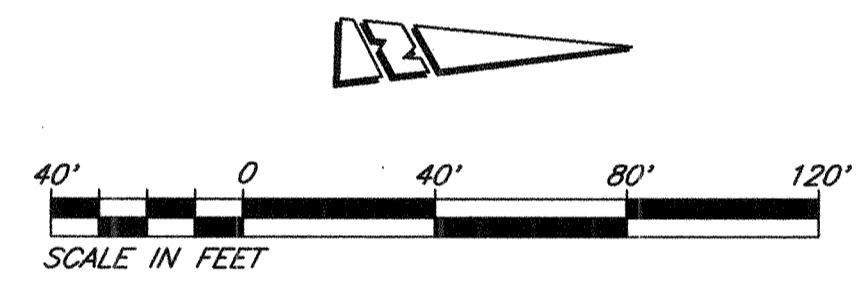
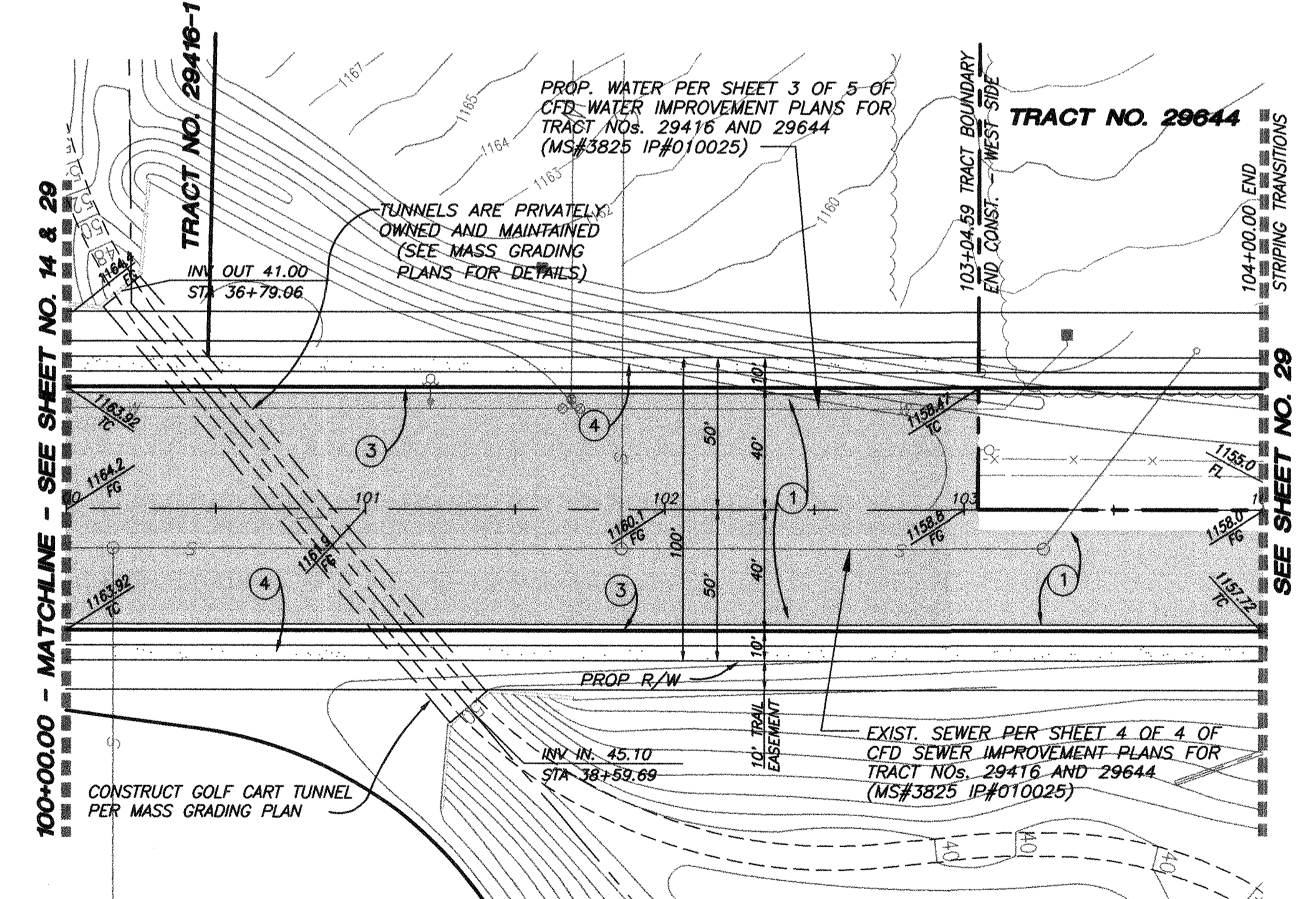
BENCHMARK:
SEE SHEET 1
DATE PREPARED: JANUARY 2001
SCALE: HOR: 1" = 40' VERT: 1" = 8'

PP#16044 IP#000090
COUNTY OF RIVERSIDE
STREET IMPROVEMENT PLANS
TRILOGY
TRILOGY PARKWAY
GOLF COURSE PLOT PLAN
FOR: W.O.
COUNTY FILE NO. 925-A
SHEET NO. 13 OF 39 SHETS.



PROFILE SCALE:
HORIZ: 1"=40'
VERT: 1"=8'

100+00 101+00 102+00 103+00 104+00



CONSTRUCTION NOTES

- ① CONSTRUCT 0.39 A.C. PAVEMENT OVER 0.50 C.A.B. PER TYPICAL SECTION.
- ③ CONSTRUCT TYPE A-6 CURB PER COUNTY OF RIVERSIDE STANDARD NO. 200. CURB AND GUTTER JOINTS PER COUNTY OF RIVERSIDE STANDARD NO. 205.
- ④ CONSTRUCT SIDEWALK PER COUNTY OF RIVERSIDE STANDARD NO. 400.

TRIOLOGY PARKWAY
(PUBLIC)

(SEE SHEET 29 FOR INTERIM STREET PLAN)

CALL BEFORE YOU DIG
Underground Service Alert
Call: TOLL FREE
1-800-227-2600
TWO WORKING DAYS BEFORE YOU DIG

NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR GRADING PERMIT HAS BEEN ISSUED.

THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES AFTER COUNTY APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE COUNTY.

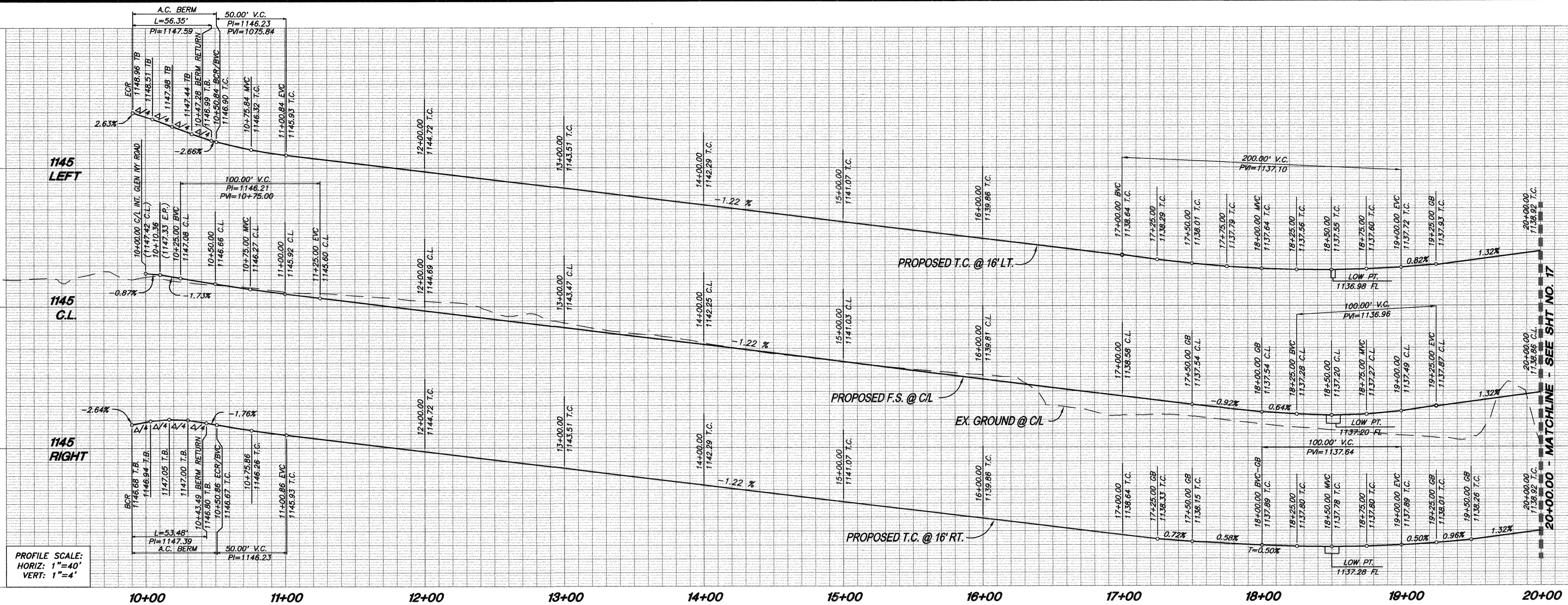
DATE	BY	MARK	REVISIONS	APPR	DATE

SEAL-COUNTY
COUNTY OF RIVERSIDE
TRANSPORTATION DEPARTMENT
APPROVED BY: *[Signature]* DATE: 5/23/01
RECOMMENDED-BOYLE ENGINEERING DATE: 5-17-01

SEAL
The Keith Companies **TKC**
22690 Coctus Avenue, Suite 300 Moreno Valley, CA 92553-9024 (909) 653-0234
PREPARED BY: *[Signature]* R.C.E. NO. 45920
DATE: 5-16-01

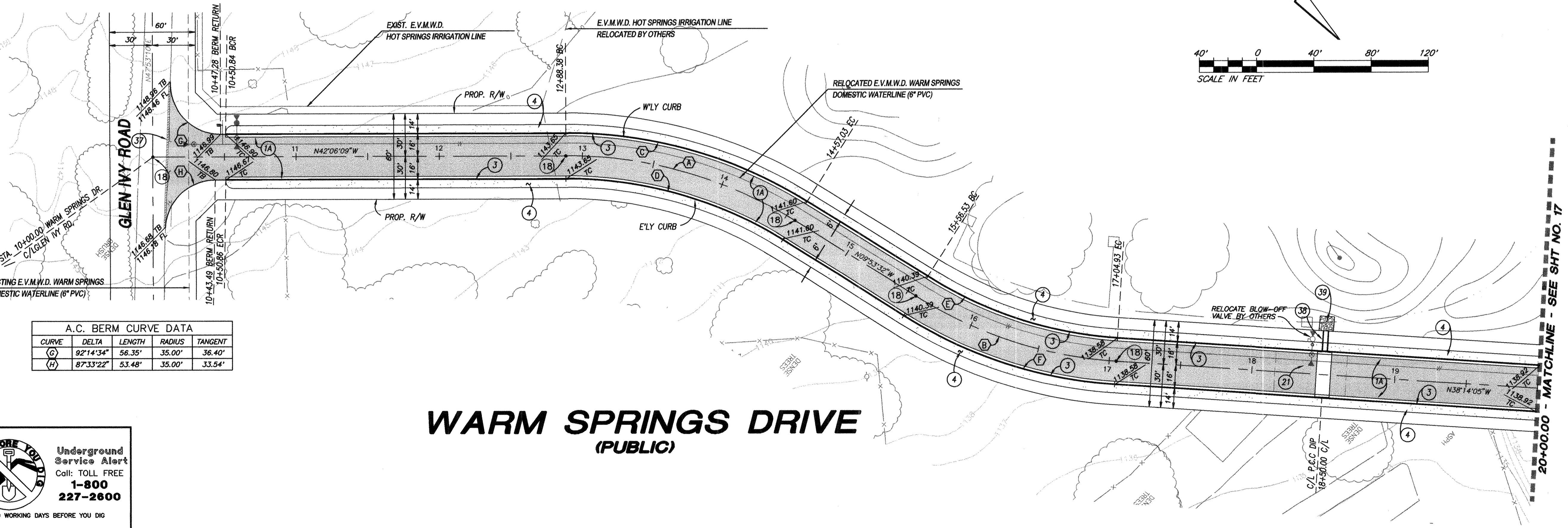
BENCHMARK:
SEE SHEET 1
DATE PREPARED: JANUARY 2001
SCALE:
HOR: 1" = 40' VERT: 1" = 8'

AS-BUILT PLAN
CORRECTIONS NOTED 2/23/01
SIGNATURE: *[Signature]*
PP#16044 IP#000090
COUNTY OF RIVERSIDE
STREET IMPROVEMENT PLANS
TRIOLOGY
TRIOLOGY PARKWAY
GOLF COURSE PLOT PLAN
SHEET NO. 15
OF 39 SHTS.
COUNTY FILE NO. 925-A



PROFILE SCALE:
HORIZ: 1"=40'
VERT: 1"=4'

10+00 11+00 12+00 13+00 14+00 15+00 16+00 17+00 18+00 19+00 20+00



A.C. BERM CURVE DATA

CURVE	DELTA	LENGTH	RADIUS	TANGENT
(C)	92°14'34"	56.35'	35.00'	36.40'
(H)	87°33'22"	53.48'	35.00'	33.54'

CONSTRUCTION NOTES

- (1A) CONSTRUCT 0.25 A.C. PAVEMENT OVER 0.50 C.A.B. PER TYPICAL SECTION.
- (3) CONSTRUCT TYPE A-6 CURB PER COUNTY OF RIVERSIDE STANDARD NO. 200. CURB AND GUTTER JOINTS PER COUNTY OF RIVERSIDE STANDARD NO. 205.
- (4) CONSTRUCT SIDEWALK PER COUNTY OF RIVERSIDE STANDARD NO. 400.
- (18) CONSTRUCT CENTERLINE MONUMENT PER COUNTY OF RIVERSIDE STD. NO. 901.
- (21) CONSTRUCT P.C.C. DIP SECTION PER COUNTY OF RIVERSIDE STANDARD NO. 307 (MODIFIED PER DETAIL 2 ON SHEET 3)
- (37) 2' FEATHER OVERLAY & SAWCUT EXISTING A.C. PAVING. SEE DETAIL 3 SHEET 3.
- (38) CONSTRUCT CURB OUTLET PER COUNTY OF RIVERSIDE STANDARD NO. 308 (MODIFIED PER DETAIL 2 ON SHEET 3)
- (39) CONSTRUCT 1/4 TON RIPRAP AS SHOWN ON PLAN

CURVE DATA

CURVE	DELTA	LENGTH	RADIUS	TANGENT
(A)	32°12'37"	168.65	300.00	86.62
(B)	28°20'32"	148.40	300.00	75.75
(C)	32°12'37"	177.65	316.00	91.24
(D)	32°12'37"	159.66	284.00	82.00
(E)	28°20'32"	140.49	284.00	71.71
(F)	28°20'32"	156.31	316.00	79.79
(G)	92°14'34"	56.35	35.00	36.40
(H)	87°33'22"	53.48	35.00	33.54

**WARM SPRINGS DRIVE
(PUBLIC)**

Underground
Services Alert
Call: TOLL FREE
1-800-227-2600
TWO WORKING DAYS BEFORE YOU DIG

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DATE	BY	MARK	REVISIONS	APPR.	DATE

SEAL-COUNTY

COUNTY OF RIVERSIDE
TRANSPORTATION DEPARTMENT
APPROVED BY:

George A. Leafstey 5/27/01
MAILED A. OTTOMAN DATE: 5/27/01

Mary J. Bradshaw 5-17-01
RECOMMENDED-BOYLE ENGINEERING DATE: 5-17-01

SEAL

The Keith Companies **TKC**

22890 Cactus Avenue, Suite 300 Moreno Valley, CA 92553-9024 (909) 653-0234

PREPARED BY: *George A. Leafstey* R.C.E. NO. 45920 DATE: 5-16-01

BENCHMARK: SEE SHEET 1

DATE PREPARED: JANUARY 2001

SCALE: HOR: 1" = 40' VERT:

AS-BUILT PLAN
CORRECTIONS NOTED 2/23/02
SIGNATURE: *[Signature]*

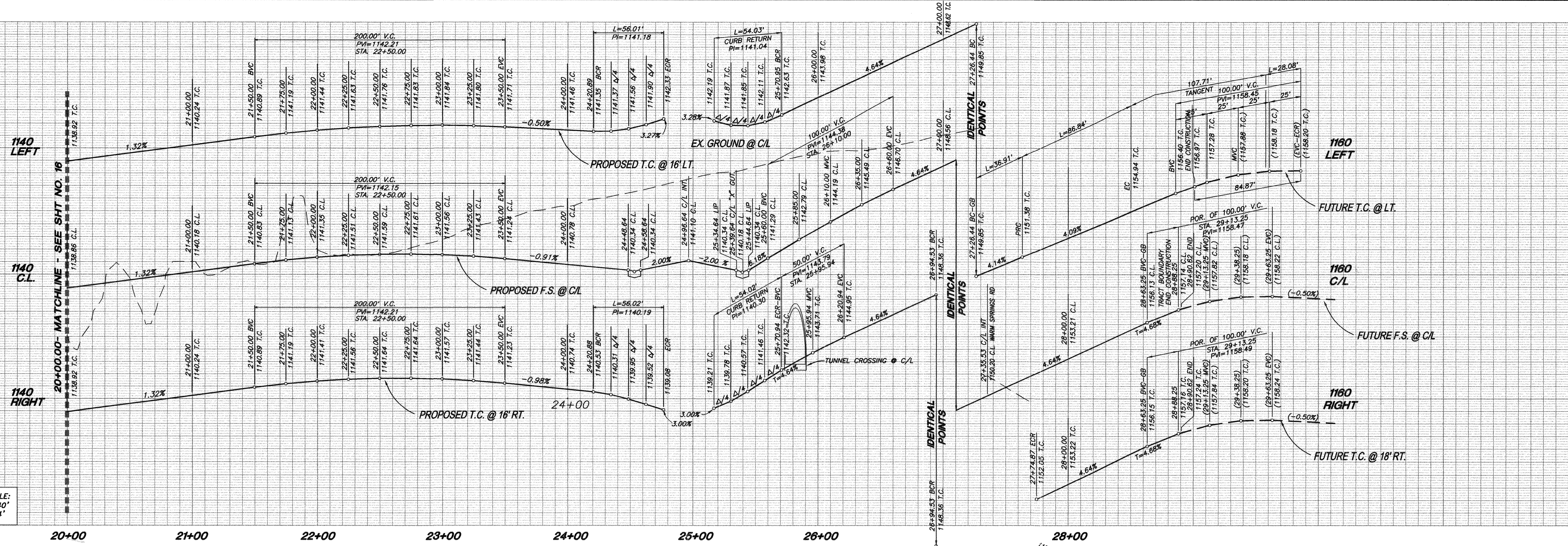
PP#16044 IP#000090
COUNTY OF RIVERSIDE
STREET IMPROVEMENT PLANS
TRILOGY

WARM SPRINGS DRIVE
GOLF COURSE PLOT PLAN

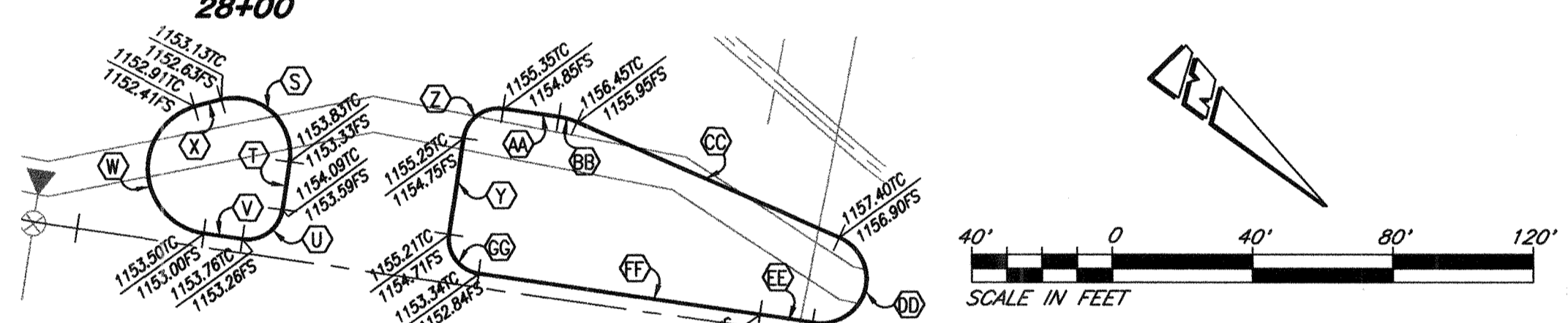
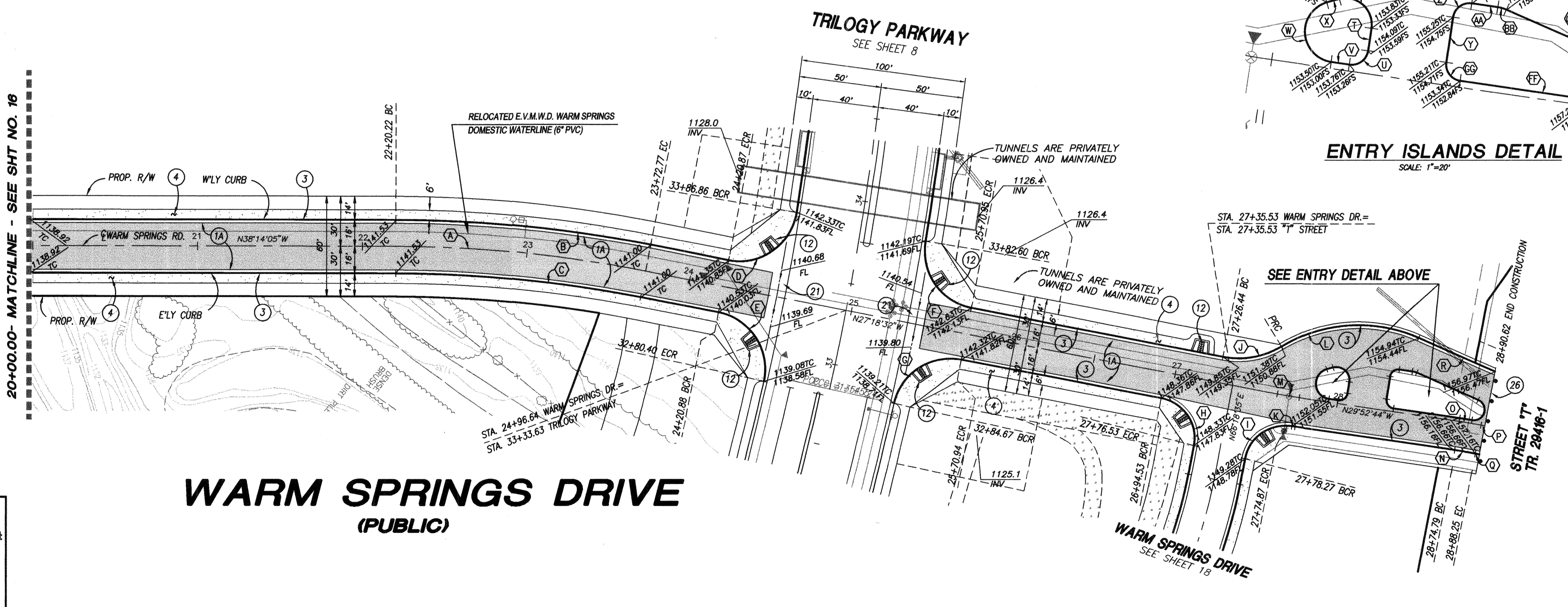
SHEET NO. 16 OF 39 SHTS.

FOR: W.O. COUNTY FILE NO. 925-A

PROFILE SCALE:
HORIZ: 1"=40'
VERT: 1"=4'



20+00 21+00 22+00 23+00 24+00 25+00 26+00 27+00 28+00



- CONSTRUCTION NOTES**
- (1A) CONSTRUCT 0.25 A.C. PAVEMENT OVER 0.50 C.A.B. PER TYPICAL SECTION.
 - (3) CONSTRUCT TYPE A-6 CURB PER COUNTY OF RIVERSIDE STANDARD NO. 200. CURB AND GUTTER JOINTS PER COUNTY OF RIVERSIDE STANDARD NO. 205.
 - (4) CONSTRUCT SIDEWALK PER COUNTY OF RIVERSIDE STANDARD NO. 400.
 - (12) CONSTRUCT CURB RAMP PER COUNTY OF RIVERSIDE STANDARD NO. 403, CASE A.
 - (21) CONSTRUCT CROSS GUTTER PER COUNTY OF RIVERSIDE STD. NO. 209
 - (26) CONSTRUCT BARRICADE PER RIVERSIDE COUNTY STD. NO. 510

CURVE DATA			CURVE DATA						
CURVE	DELTA/BEARING	RADIUS	LENGTH/DIST.	TANGENT	CURVE	DELTA/BEARING	RADIUS	LENGTH/DIST.	TANGENT
(A)	10°55'32"	800.00	152.55	78.51	(U)	90°00'00"	5.00	7.85	5.00
(B)	10°55'32"	818.00	155.80	78.04	(V)	N29°52'44"W	5.00	7.85	5.00
(C)	10°55'32"	784.00	149.50	74.98	(W)	S54°37'18"W	9.37	25.29	41.62
(D)	91°41'39"	35.00	56.01	36.05	(X)	0°25'04"	66.00	3.94	1.97
(E)	91°41'54"	35.00	56.02	36.05	(Y)	N60°07'16"E	14.00	14.00	14.00
(F)	88°26'29"	35.00	54.03	34.06	(Z)	90°00'00"	5.00	7.85	5.00
(G)	88°25'45"	35.00	54.02	34.05	(AA)	N29°52'44"W	10.00	8.00	8.00
(H)	90°00'00"	25.00	54.02	34.05	(BB)	S53°33'46"	10.00	2.72	1.37
(I)	87°47'11"	25.00	38.30	24.05	(CC)	N14°18'59"W	10.00	40.89	58.99
(J)	42°17'38"	50.00	36.91	19.34	(DD)	S65°52'46"	6.50	18.82	52.48
(K)	00°21'23"	318.00	1.98	0.99	(EE)	01°28'31"	302.00	7.60	3.40
(L)	55°17'11"	90.00	86.84	47.14	(FF)	N29°52'44"W	5.00	40.56	58.99
(M)	02°34'12"	300.00	13.46	6.73	(GG)	90°00'00"	5.00	7.85	5.00
(N)	02°34'12"	282.00	12.65	6.33					
(O)	02°34'12"	300.00	13.46	6.73					
(P)	N27°18'32"W	---	2.32	---					
(Q)	N27°18'32"W	---	2.32	---					
(R)	N14°18'59"W	---	50.92	---					
(S)	N11°57'40"	8.00	15.63	11.85					
(T)	N60°07'16"E	---	7.00	---					

WARM SPRINGS DRIVE
(PUBLIC)



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DATE	BY	MARK	REVISIONS	APPR.	DATE

SEAL-COUNTY
REGISTERED PROFESSIONAL ENGINEER
No. 33950
Exp. 6/30/02
CIVIL
STATE OF CALIFORNIA

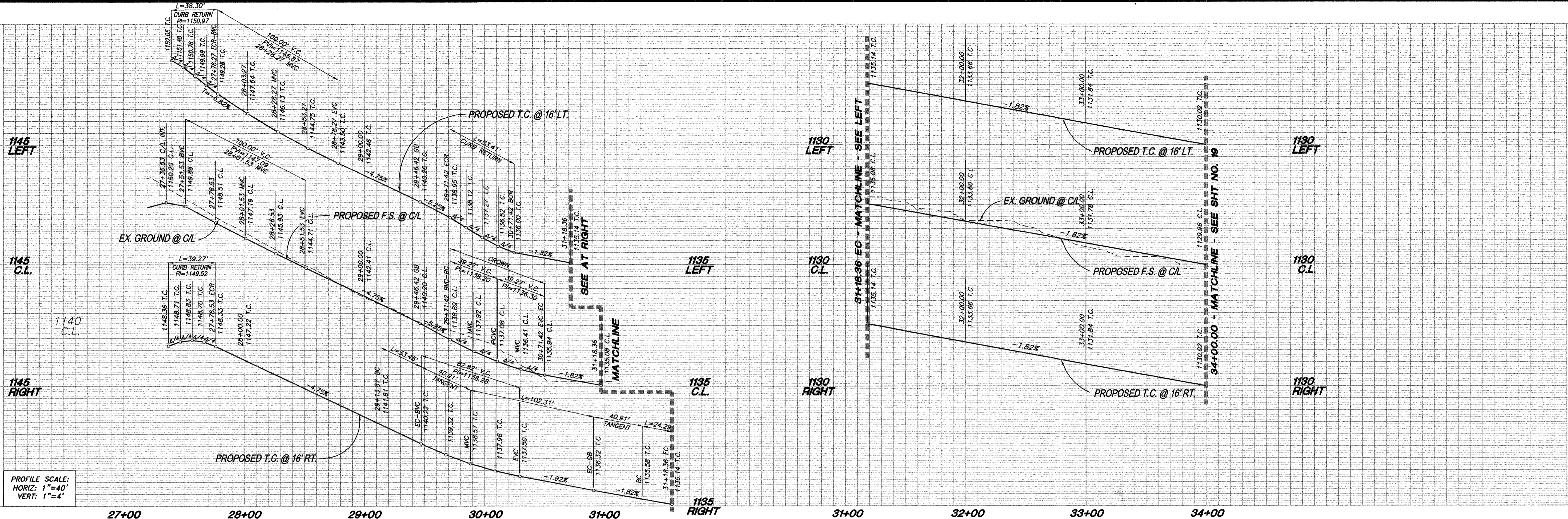
COUNTY OF RIVERSIDE
TRANSPORTATION DEPARTMENT
APPROVED BY:
[Signature] 5/22/01
DATE: 5-17-01
RECOMMENDED-BOYLE ENGINEERING

SEAL
REGISTERED PROFESSIONAL ENGINEER
CIVIL
George A. Lenfestey
No. 45920
Exp. 12-31-02
STATE OF CALIFORNIA

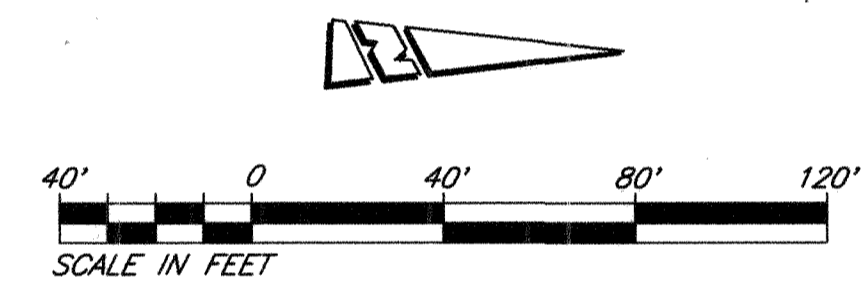
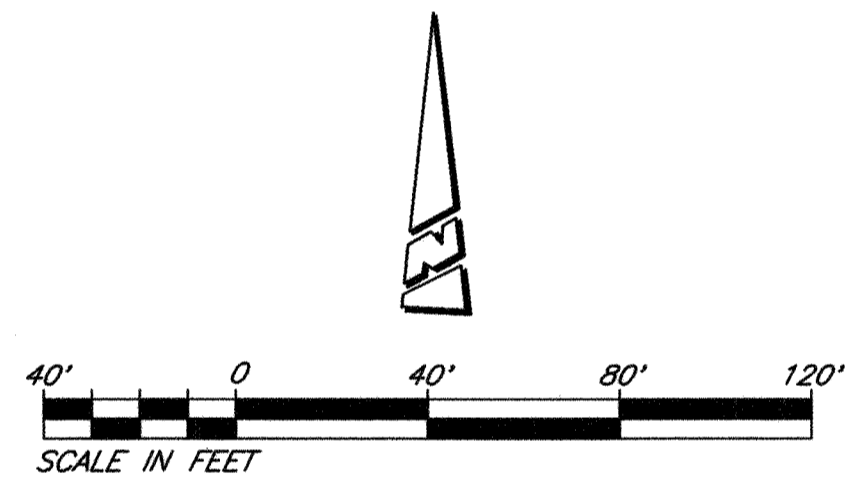
The Keith Companies **TKC**
2290 Cactus Avenue, Suite 300 Moreno Valley, CA 92553-9024 (909) 653-0234
PREPARED BY: *[Signature]* R.C.E. NO. 45920
DATE: 5-16-01

BENCHMARK:
SEE SHEET 1
DATE PREPARED: JANUARY 2001
SCALE: HOR: 1" = 40' VERT: 1" = 4'

PP16044 IP#00090
COUNTY OF RIVERSIDE
STREET IMPROVEMENT PLANS
TRILOGY
WARM SPRINGS DRIVE
GOLF COURSE PLOT PLAN
FOR: W.O.
COUNTY FILE NO. **925-A**
SHEET NO. 17
OF 39 SHTS.

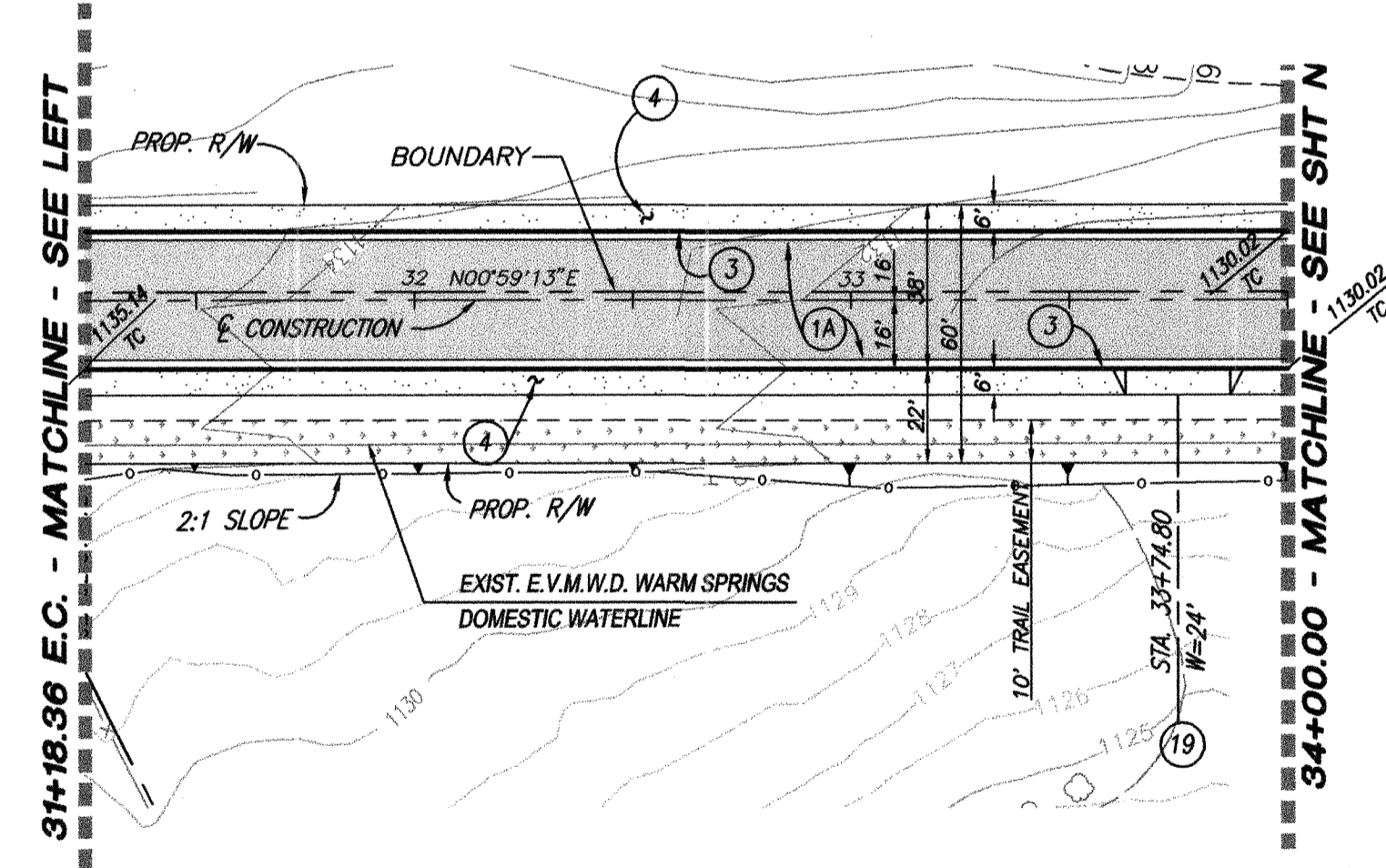
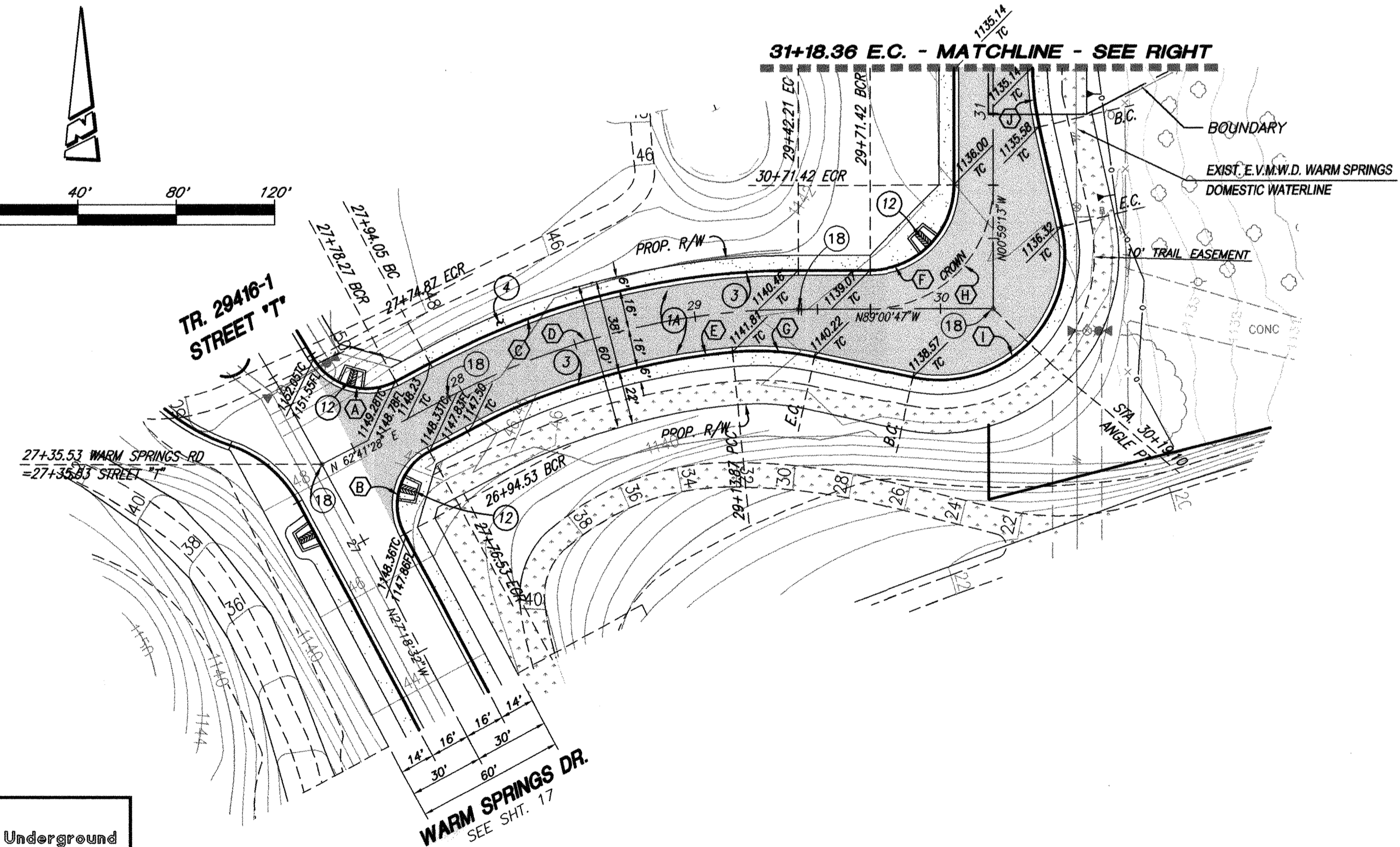


PROFILE SCALE:
HORIZ: 1"=40'
VERT: 1"=4'



CONSTRUCTION NOTES

- (1A) - CONSTRUCT 0.25 A.C. PAVEMENT OVER 0.50 C.A.B. PER TYPICAL SECTION.
- (3) - CONSTRUCT TYPE A-6 CURB PER COUNTY OF RIVERSIDE STANDARD NO. 200. CURB AND GUTTER JOINTS PER COUNTY OF RIVERSIDE STANDARD NO. 205.
- (4) - CONSTRUCT SIDEWALK PER COUNTY OF RIVERSIDE STANDARD NO. 400.
- (12) - CONSTRUCT CURB RAMP PER COUNTY OF RIVERSIDE STANDARD NO. 403.
- (18) - CONSTRUCT CENTERLINE MONUMENT PER COUNTY OF RIVERSIDE STANDARD NO. 901.



CURVE DATA				
NO.	BEARING/DELTA	RADIUS	LENGTH	TANGENT
(A)	87°25'48"	25.00'	38.15'	23.90'
(B)	90°00'00"	25.00'	39.27'	25.00'
(C)	28°17'45"	316.00'	156.06'	79.65'
(D)	28°17'45"	300.00'	148.16'	75.62'
(E)	22°53'02"	284.00'	113.43'	57.48'
(F)	90°00'00"	34.00'	53.41'	34.00'
(G)	17°34'56"	109.00'	33.45'	16.86'
(H)	90°00'00"	50.00'	78.54'	50.00'
(I)	114°56'26"	51.00'	102.31'	79.96'
(J)	12°46'13"	109.00'	24.29'	12.20'



WARM SPRINGS DRIVE (PUBLIC)

WARM SPRINGS DRIVE (PUBLIC)

AS-BUILT PLAN
CORRECTIONS NOTED 2/23/07
SIGNATURE: *[Signature]*

NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR GRADING PERMIT HAS BEEN ISSUED.

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DATE	BY	MARK	REVISIONS	APPR.	DATE

SEAL-COUNTY

COUNTY OF RIVERSIDE
TRANSPORTATION DEPARTMENT
APPROVED BY: *[Signature]* 5/23/01

RECOMMENDED-BOYLE ENGINEERING
DATE: 5-17-01

SEAL

REGISTERED PROFESSIONAL ENGINEER
Civil
George A. Lenfestey
No. 45920
Exp. 12-31-02

The Keith Companies **TKC**
22890 Cortez Avenue, Suite 300 Moreno Valley, CA 92553-2024 (909) 653-0234
PREPARED BY: *[Signature]* R.C.E. NO. 45920
DATE: 5-16-01

BENCHMARK:
SEE SHEET 1

DATE PREPARED: JANUARY 2001

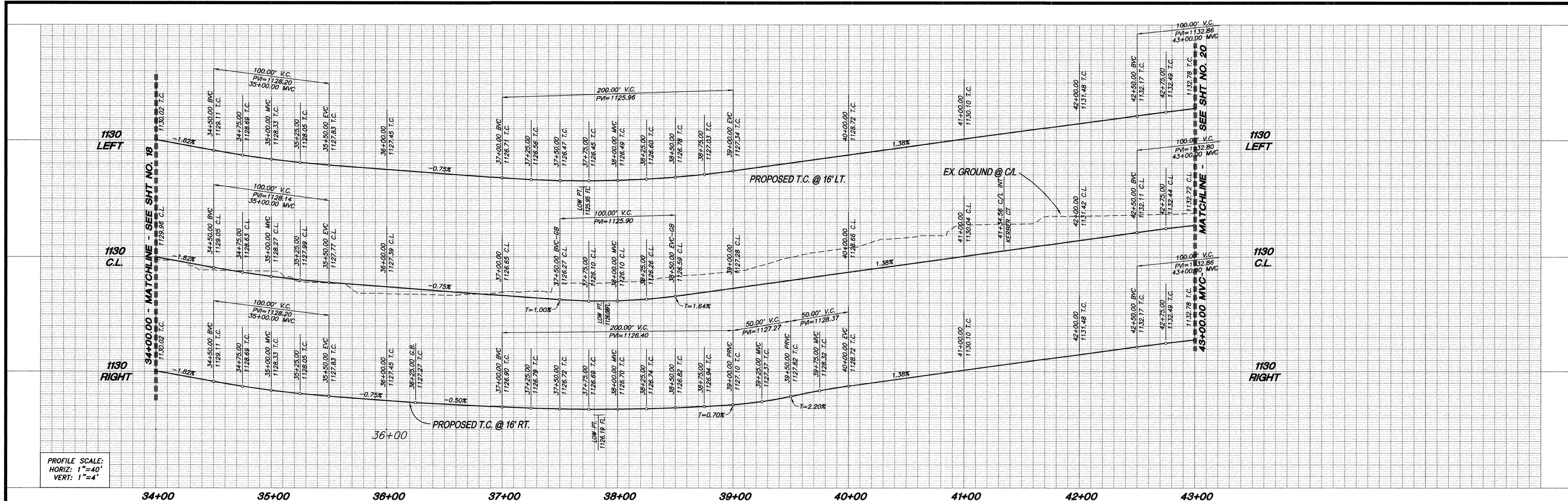
SCALE:
HOR: 1" = 40' VERT:

PP#16044 IP#00090
COUNTY OF RIVERSIDE
STREET IMPROVEMENT PLANS
TRILOGY

**WARM SPRINGS DRIVE
GOLF COURSE PLOT PLAN**

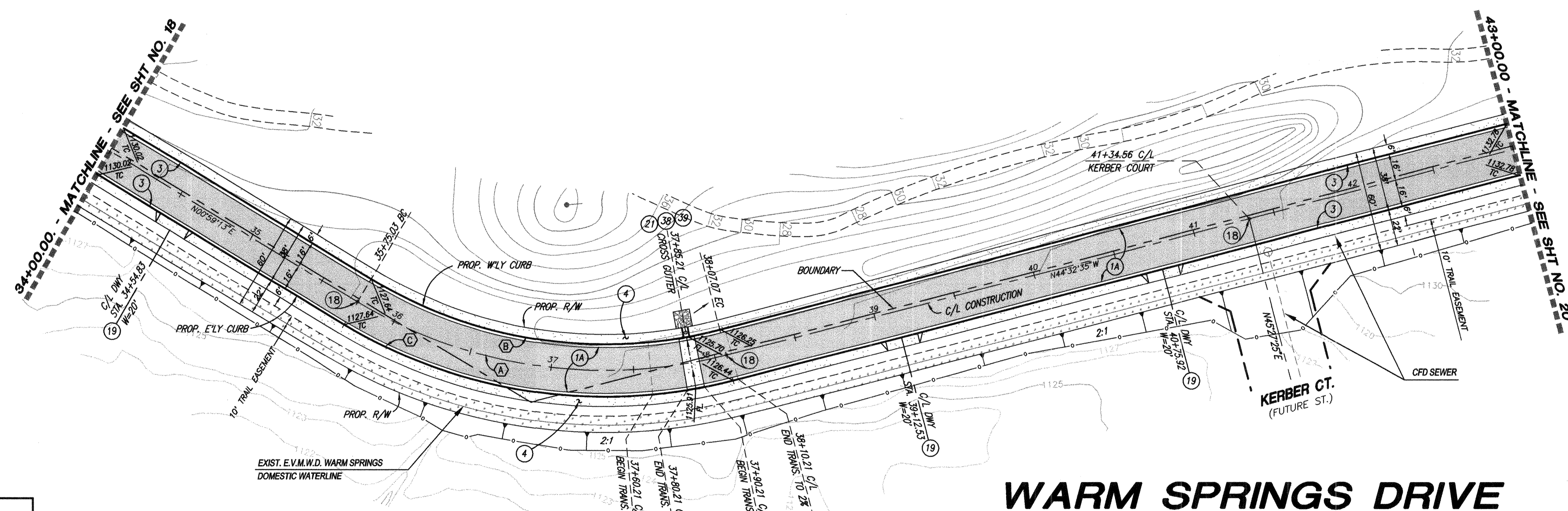
FOR: W.O. COUNTY FILE NO. **925-A**

SHEET NO. **18**
OF **39** SHEETS.



PROFILE SCALE:
HORIZ: 1"=40'
VERT: 1"=4'

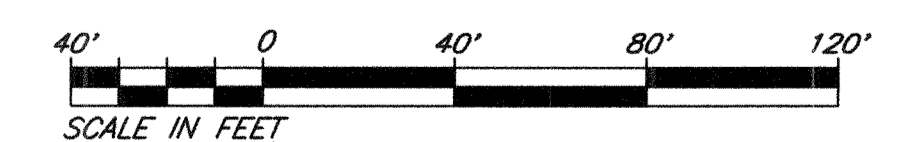
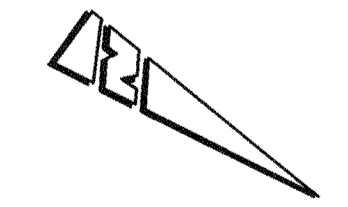
34+00 35+00 36+00 37+00 38+00 39+00 40+00 41+00 42+00 43+00



CONSTRUCTION NOTES

- (1A) CONSTRUCT 0.25 A.C. PAVEMENT OVER 0.50 C.A.B. PER TYPICAL SECTION.
- (3) CONSTRUCT TYPE A-6 CURB PER COUNTY OF RIVERSIDE STANDARD NO. 200. CURB AND GUTTER JOINTS PER COUNTY OF RIVERSIDE STANDARD NO. 205.
- (4) CONSTRUCT SIDEWALK PER COUNTY OF RIVERSIDE STANDARD NO. 400.
- (18) CONSTRUCT CENTERLINE MONUMENT PER COUNTY OF RIVERSIDE STANDARD NO. 901.
- (19) CONSTRUCT DRIVEWAY APPROACH PER COUNTY OF RIVERSIDE STANDARD NO. 207.
- (21) CONSTRUCT P.C.C. DIP SECTION PER COUNTY OF RIVERSIDE STANDARD NO. 307 (MODIFIED PER DETAIL 2 ON SHEET 3)
- (38) CONSTRUCT CURB OUTLET PER COUNTY OF RIVERSIDE STANDARD NO. 308 (MODIFIED PER DETAIL 2 ON SHEET 3)
- (39) CONSTRUCT 1/4 TON RIPRAP AS SHOWN ON PLAN

CURVE DATA				
CURVE	DELTA	LENGTH	RADIUS	TANGENT
(A)	45°31'48"	232.04'	292.00'	122.54'
(B)	45°31'48"	219.32'	278.00'	115.82'
(C)	45°31'48"	244.75'	308.00'	129.25'



CALL BEFORE YOU DIG
Underground Service Alert
Call: TOLL FREE 1-800-227-2600
TWO WORKING DAYS BEFORE YOU DIG

NOTE: SEE SHEET 37B FOR PRIVATE STORM DRAIN ADDED TO CONVEY WARM SPRINGS DRIVE SURFACE RUNOFF THROUGH THE GOLF COURSE TO THE TUNNEL CROSSING.

WARM SPRINGS DRIVE (PUBLIC)

AS-BUILT PLAN
CORRECTIONS NOTED 2/23/01
SIGNATURE: *[Signature]*

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DATE	BY	MARK	REVISIONS
4-23-01	MANJA	2	ADDED PLANE PROFILES FOR OPPOSITE SIDE SHT 37b

SEAL-COUNTY

REGISTERED PROFESSIONAL ENGINEER
No. 33950
Exp. 6/30/02
CIVIL
STATE OF CALIFORNIA

COUNTY OF RIVERSIDE
TRANSPORTATION DEPARTMENT
APPROVED BY:
[Signature] 5/23/01
DATE: 5-23-01

RECOMMENDED-BOYLE ENGINEERING
DATE: 5-17-01

SEAL

REGISTERED PROFESSIONAL ENGINEER
Civil
George A. Lendestey
No. 45920
Exp. 12-31-02
STATE OF CALIFORNIA

The Keith Companies **TKC**
22690 Cactus Avenue, Suite 300, Moreno Valley, CA 92553-9024 (909) 653-0234
PREPARED BY: *[Signature]* R.C.E. NO. 45920
DATE: 5-16-01

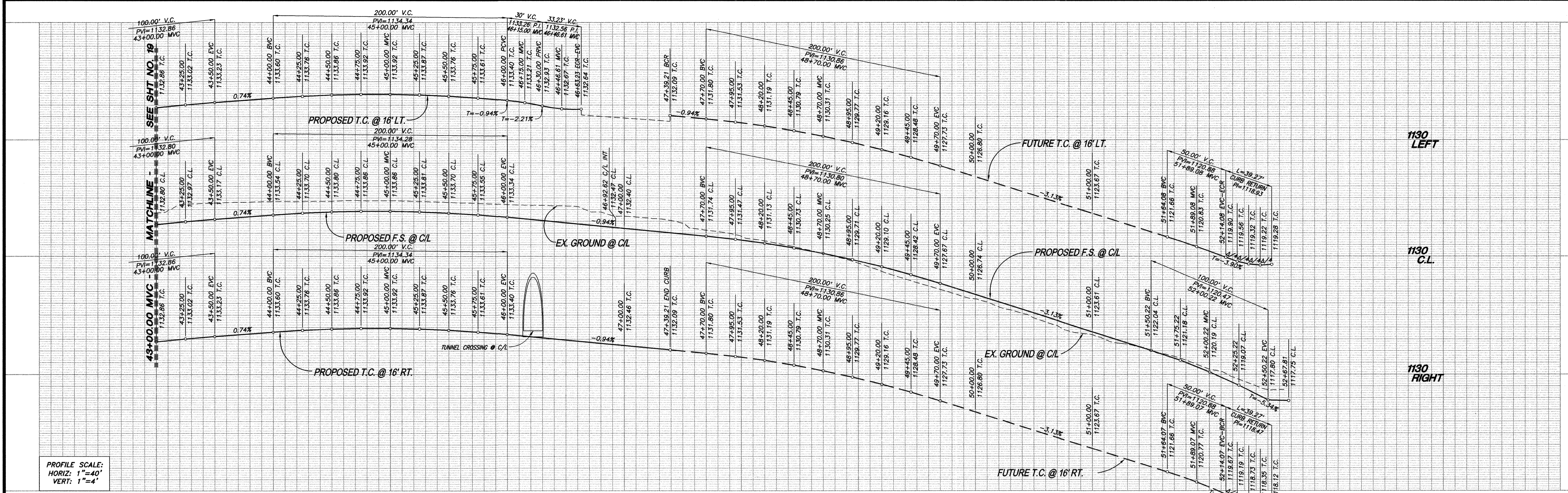
BENCHMARK:
SEE SHEET 1

DATE PREPARED: JANUARY 2001
SCALE: HOR: 1" = 40' VERT:

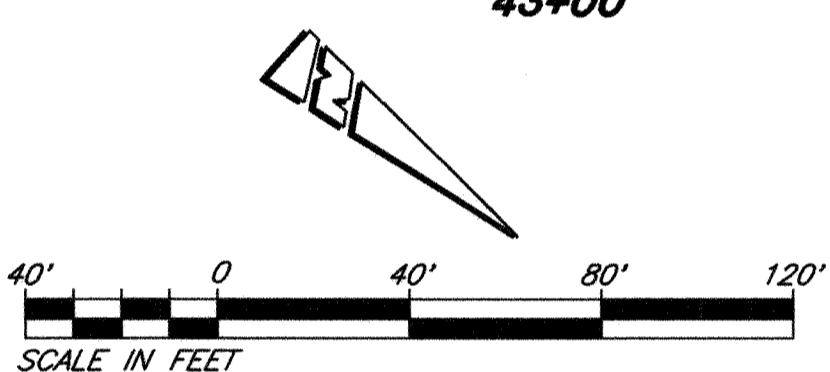
PP#16044 IP#000090
COUNTY OF RIVERSIDE
STREET IMPROVEMENT PLANS
TRILOGY
WARM SPRINGS DRIVE
GOLF COURSE PLOT PLAN

SHEET NO. 19 OF 39 SHTS.

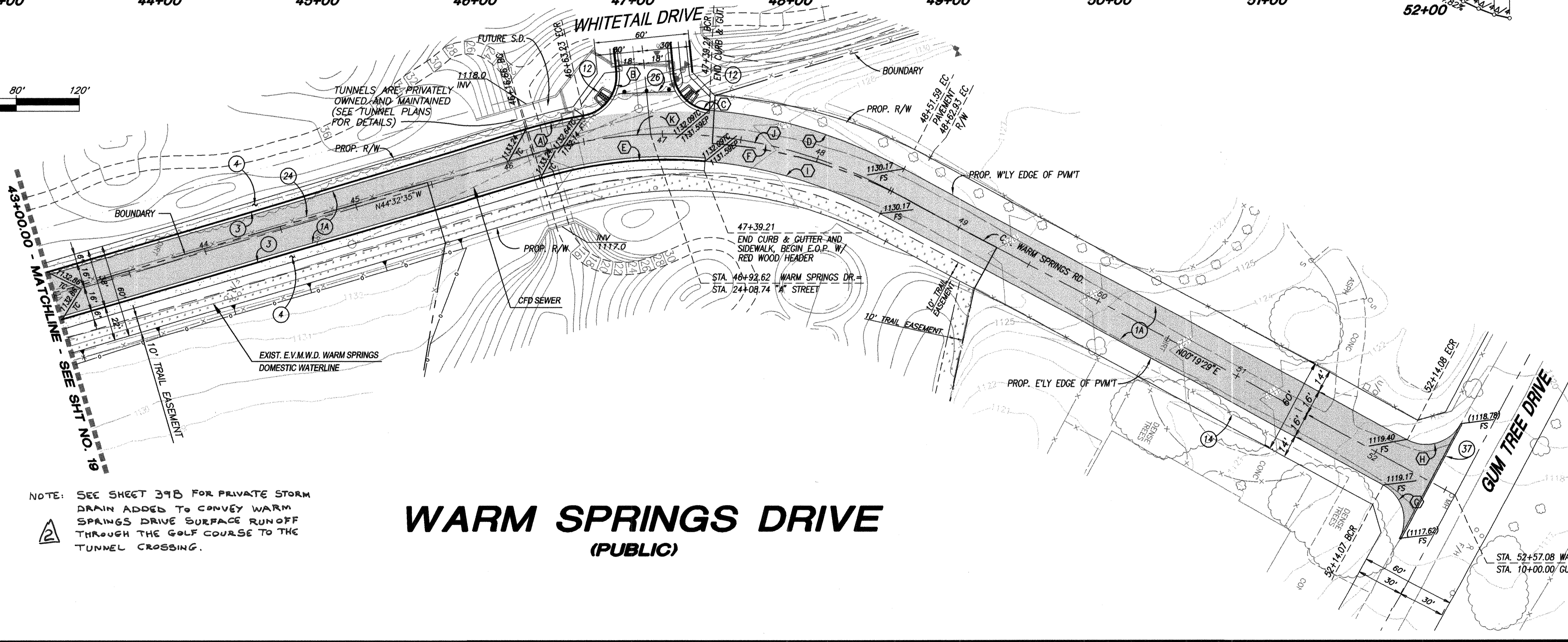
FOR: W.O. COUNTY FILE NO. 925-A



PROFILE SCALE:
HORIZ: 1"=40'
VERT: 1"=4'



43+00 44+00 45+00 46+00 47+00 48+00 49+00 50+00 51+00 52+00



NOTE: SEE SHEET 39B FOR PRIVATE STORM DRAIN ADDED TO CONVEY WARM SPRINGS DRIVE SURFACE RUNOFF THROUGH THE GOLF COURSE TO THE TUNNEL CROSSING.

WARM SPRINGS DRIVE (PUBLIC)

CONSTRUCTION NOTES

- 1A - CONSTRUCT 0.25 A.C. PAVEMENT OVER 0.50 C.A.B. PER TYPICAL SECTION.
- 3 - CONSTRUCT TYPE A-6 CURB PER COUNTY OF RIVERSIDE STANDARD NO. 200.
- 4 - CONSTRUCT SIDEWALK PER COUNTY OF RIVERSIDE STANDARD NO. 400.
- 12 - CONSTRUCT CURB RAMP PER COUNTY OF RIVERSIDE STANDARD NO. 403, CASE A.
- 14 - PROTECT EXIST. FENCE/POLE/SIGN IN PLACE.
- 24 - RELOCATING EXISTING FENCE TO OUTSIDE OF RIGHT-OF-WAY.
- 26 - CONSTRUCT BARRICADE PER RIVERSIDE COUNTY STD. NO. 510
- 37 - 2' FEATHER OVERLAY & SAWCUT EXISTING A.C. PAVING. SEE DETAIL 3 SHEET 3.

CURVE DATA				
CURVE	DELTA	LENGTH	RADIUS	TANGENT
(A)	06°50'41"	37.75'	316.00'	18.90'
(B)	82°45'21"	25.00'	36.11'	22.02'
(C)	82°45'21"	25.00'	36.11'	22.02'
(D)	23°30'42"	129.67'	316.00'	65.76'
(E)	21°21'21"	105.86'	284.00'	53.55'
(F)	44°52'04"	234.93'	300.00'	123.86'
(G)	90°00'38"	39.27'	25.00'	25.00'
(H)	89°59'22"	39.27'	25.00'	25.00'
(I)	23°30'42"	116.59'	284.00'	59.10'
(J)	30°21'37"	158.97'	300.00'	81.40'
(K)	14°30'27"	75.96'	300.00'	38.19'

AS-BUILT PLAN
CORRECTIONS NOTED 2/23/01
SIGNATURE: *[Signature]*



NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR GRADING PERMIT HAS BEEN ISSUED.

THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES AFTER COUNTY APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE COUNTY.

DATE	BY	MARK	REVISIONS
4-28-01	NJA		ADDED PLAN & PROFILE FOR DEFSITE 50 SW/79

SEAL-COUNTY

COUNTY OF RIVERSIDE
TRANSPORTATION DEPARTMENT
APPROVED BY: *[Signature]* DATE: 5/23/01

RECOMMENDED-BOYLE ENGINEERING DATE: 5-17-01

SEAL

REGISTERED PROFESSIONAL ENGINEER
Civil
George A. Lenfestey
No. 45980
Exp. 12-31-02

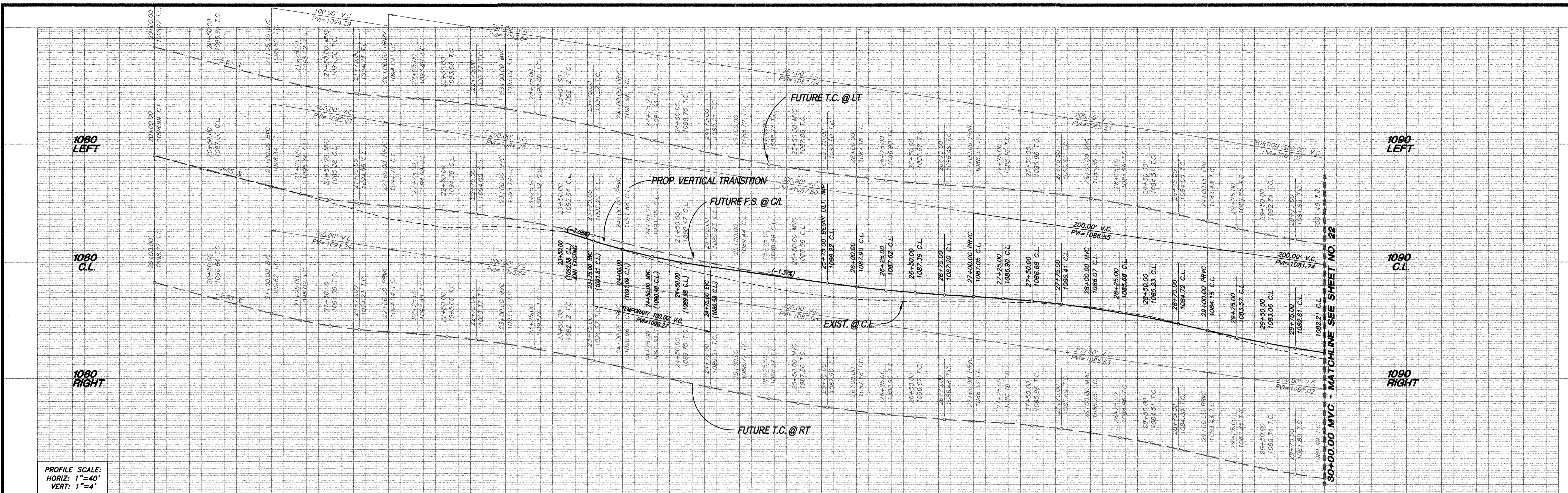
The Keith Companies **TKC**
22890 Cactus Avenue, Suite 300 Moreno Valley, CA 92553-9024 (909) 653-0234
PREPARED BY: *[Signature]* R.C.E. NO. 45920
DATE: 5-16-01

BENCHMARK:
SEE SHEET 1
DATE PREPARED: JANUARY 2001
SCALE: HOR: 1" = 40' VERT:

PP#16044 IP#00090
COUNTY OF RIVERSIDE
STREET IMPROVEMENT PLANS
TRILOGY
WARM SPRINGS DRIVE
GOLF COURSE PLOT PLAN

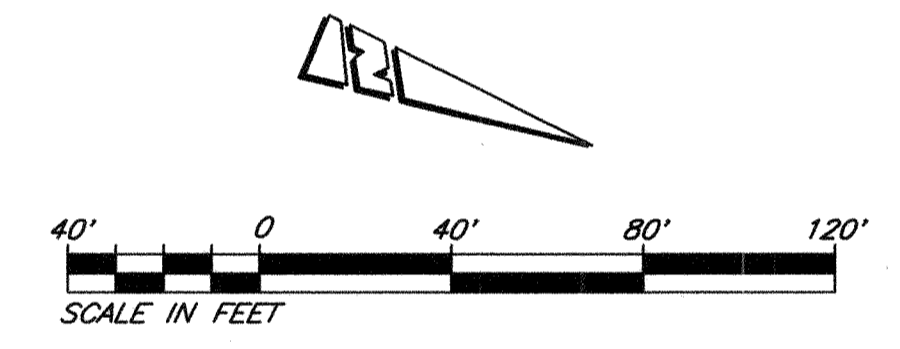
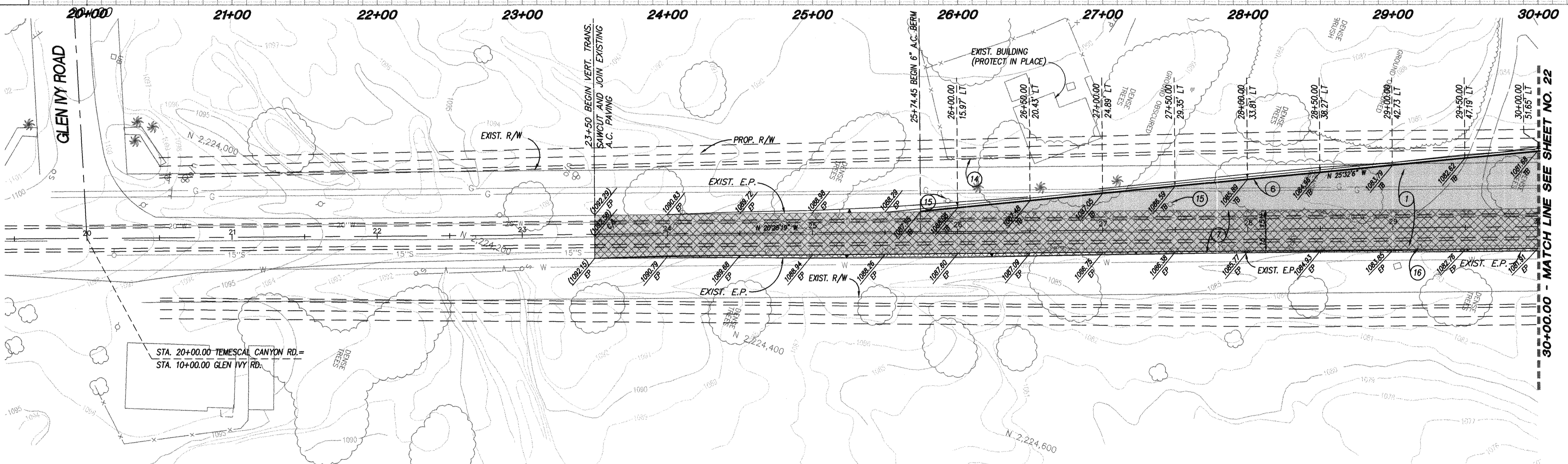
SHEET NO. 20
OF 39 SHEETS.

FOR: W.O. COUNTY FILE NO. 925-A



PROFILE SCALE:
 HORIZ: 1"=40'
 VERT: 1"=4'

30+00.00 MVC - MATCHLINE SEE SHEET NO. 22



TEMESCAL CANYON ROAD

(PUBLIC)

(SEE SHEET 25 FOR INTERIM A.C. PLAN)

CONSTRUCTION NOTES

- 1) CONSTRUCT 0.39 A.C. PAVEMENT OVER 0.50 C.A.B. PER TYPICAL SECTION.
- 6) CONSTRUCT 6" ASPHALT CONCRETE DIKE PER COUNTY OF RIVERSIDE STANDARD NO. 212.
- 7) REMOVE EXISTING A.C. PAVING
- 14) PROTECT EXIST. FENCE/POLE/SIGN IN PLACE.
- 15) RELOCATE POLE (BY OTHERS).
- 16) ADJUST MANHOLE FRAME AND COVER TO FINISH SURFACE.

Underground Service Alert
 Call: TOLL FREE
1-800-227-2600
 TWO WORKING DAYS BEFORE YOU DIG

AS-BUILT PLAN

CORRECTIONS NOTED: 2/23/02
 SIGNATURE: *[Signature]*

INDICATES A.C., CONCRETE, CURB & GUTTER REMOVAL (PER MASS GRADING PLAN)

NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR GRADING PERMIT HAS BEEN ISSUED.

THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES AFTER COUNTY APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE COUNTY.

DATE	BY	MARK	REVISIONS	APPR.	DATE

SEAL-COUNTY

COUNTY OF RIVERSIDE
 TRANSPORTATION DEPARTMENT
 APPROVED BY:

[Signature] 5/23/01
 GEORGE A. LENTSTEY

[Signature] 5-17-01
 RECOMMENDED-BOYLE ENGINEERING

SEAL

The Keith Companies **TKC**

22690 Cortus Avenue, Suite 300 Moreno Valley, CA 92553-3024 (909) 653-0234

PREPARED BY: *[Signature]* R.C.E. NO. 45920
 DATE: 5-16-01

BENCHMARK:
 SEE SHEET 1

DATE PREPARED: JANUARY 2001
 SCALE: HOR: 1" = 40' VERT:

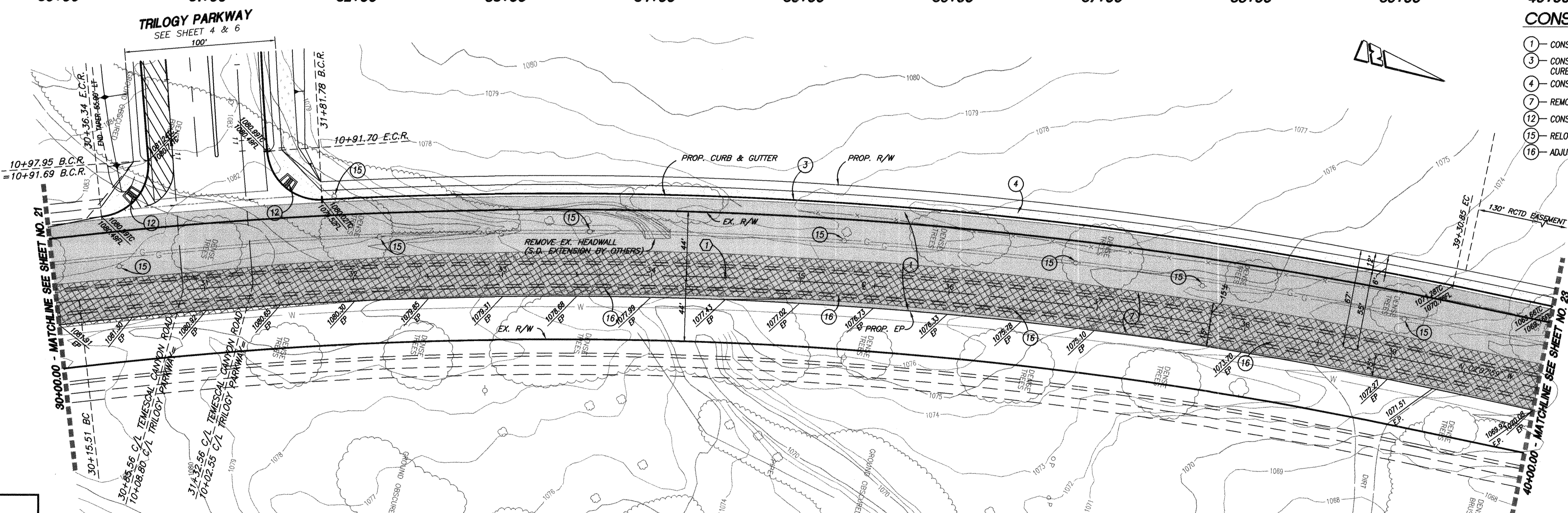
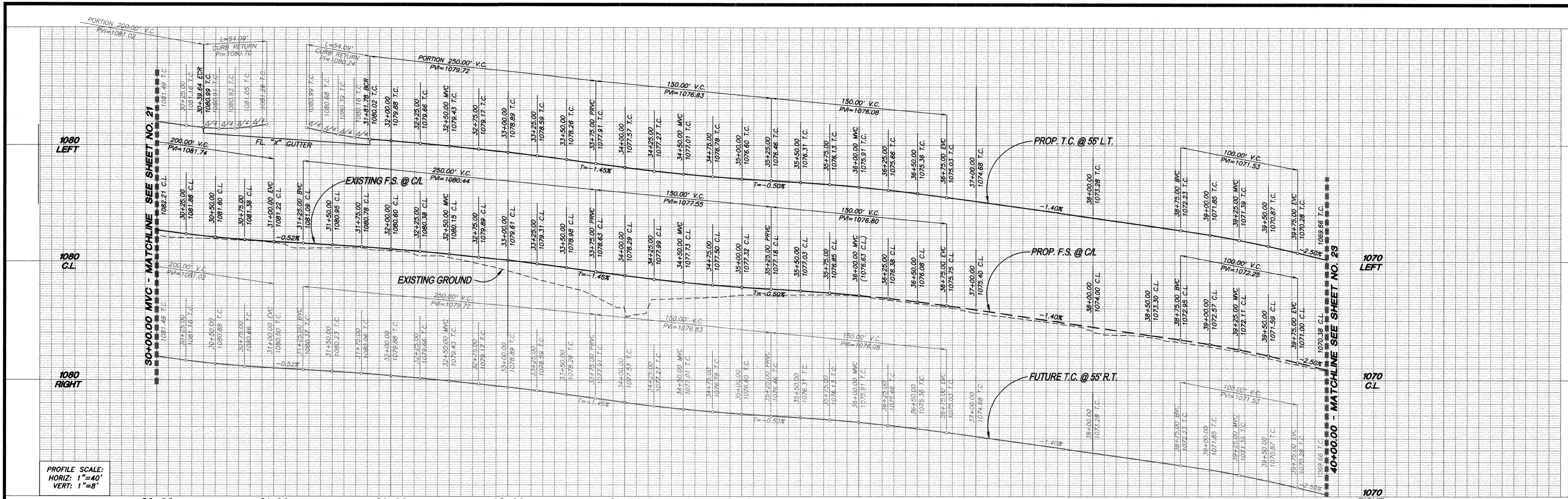
PP#16044 IP#000090
 COUNTY OF RIVERSIDE
 STREET IMPROVEMENT PLANS
 TRILOGY

TEMESCAL CANYON RD.
 GOLF COURSE PLOT PLAN

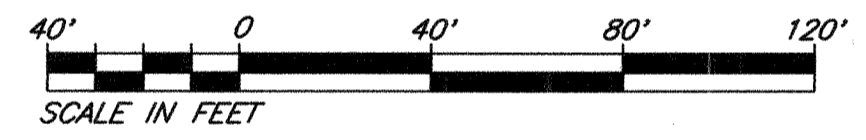
FOR: W.O. COUNTY FILE NO. **925-A**

SHEET NO.
 21

OF 39 SHEETS.



- ### CONSTRUCTION NOTES
- CONSTRUCT 0.39 A.C. PAVEMENT OVER 0.50 C.A.B. PER TYPICAL SECTION.
 - CONSTRUCT TYPE A-6 CURB & GUTTER PER COUNTY OF RIVERSIDE STANDARD NO. 200. CURB AND GUTTER JOINTS PER COUNTY OF RIVERSIDE STANDARD NO. 205.
 - CONSTRUCT SIDEWALK PER COUNTY OF RIVERSIDE STANDARD NO. 400.
 - REMOVE EXISTING A.C. PAVING.
 - CONSTRUCT CURB RAMP PER COUNTY OF RIVERSIDE STANDARD NO. 403. CASE A.
 - RELOCATE POLE (BY OTHERS).
 - ADJUST MANHOLE FRAME AND COVER TO FINISH SURFACE.



AS-BUILT PLAN
 CORRECTIONS NOTED 2/23/04
 SIGNATURE: *[Signature]*

INDICATES A.C. CONCRETE, CURB & GUTTER REMOVAL (PER MASS GRADING PLAN)

CURVE DATA				
CURVE	DELTA	LENGTH	RADIUS	TANGENT
(1)	18'18"20"	915.33	2864.93	461.60

Underground Service Alert
 Call: TOLL FREE 1-800-227-2600
 TWO WORKING DAYS BEFORE YOU DIG

TEMESCAL CANYON ROAD (PUBLIC)

(SEE SHEET 25 FOR INTERIM A.C. PLAN)

NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR GRADING PERMIT HAS BEEN ISSUED.

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DATE	BY	MARK	REVISIONS	APPR.	DATE

SEAL-COUNTY

REGISTERED PROFESSIONAL ENGINEER
 No. 33950
 Exp. 6/30/02
 CIVIL
 STATE OF CALIFORNIA

COUNTY OF RIVERSIDE
 TRANSPORTATION DEPARTMENT
 APPROVED BY:
[Signature] 5/23/01
 DATE: 5-17-01
 RECOMMENDED-BOYLE ENGINEERING

SEAL

REGISTERED PROFESSIONAL ENGINEER
 No. 45920
 Exp. 12-31-02
 CIVIL
 STATE OF CALIFORNIA

The Keith Companies **TKC**
 22690 Coactus Avenue, Suite 300, Moreno Valley, CA 92553-9024 (909) 653-0234
 PREPARED BY: *[Signature]* R.C.E. NO. 45920
 DATE: 5-16-01

BENCHMARK:
 SEE SHEET 1
 DATE PREPARED: JANUARY 2001
 SCALE: HOR: 1" = 40' VERT: 1" = 8'

PP#16044 IP#000090
 COUNTY OF RIVERSIDE
 STREET IMPROVEMENT PLANS
 TRILOGY
 TEMESCAL CANYON RD.
 GOLF COURSE PLOT PLAN

SHEET NO. 22 OF 39 SHTS.

FOR: W.O. COUNTY FILE NO. 925-A

PROFILE SCALE:
 HORIZ: 1"=40'
 VERT: 1"=4'

1065
LEFT

1065
C/L

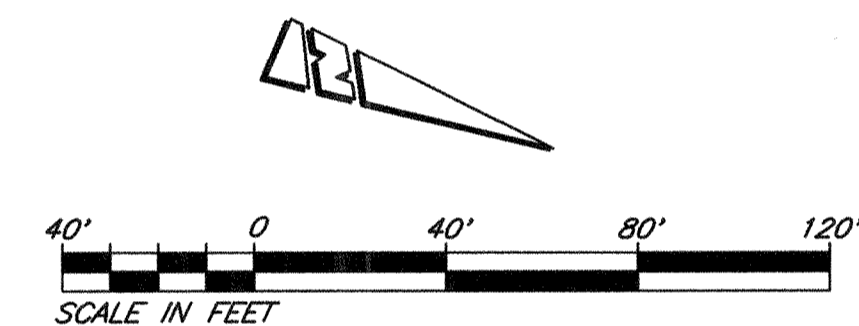
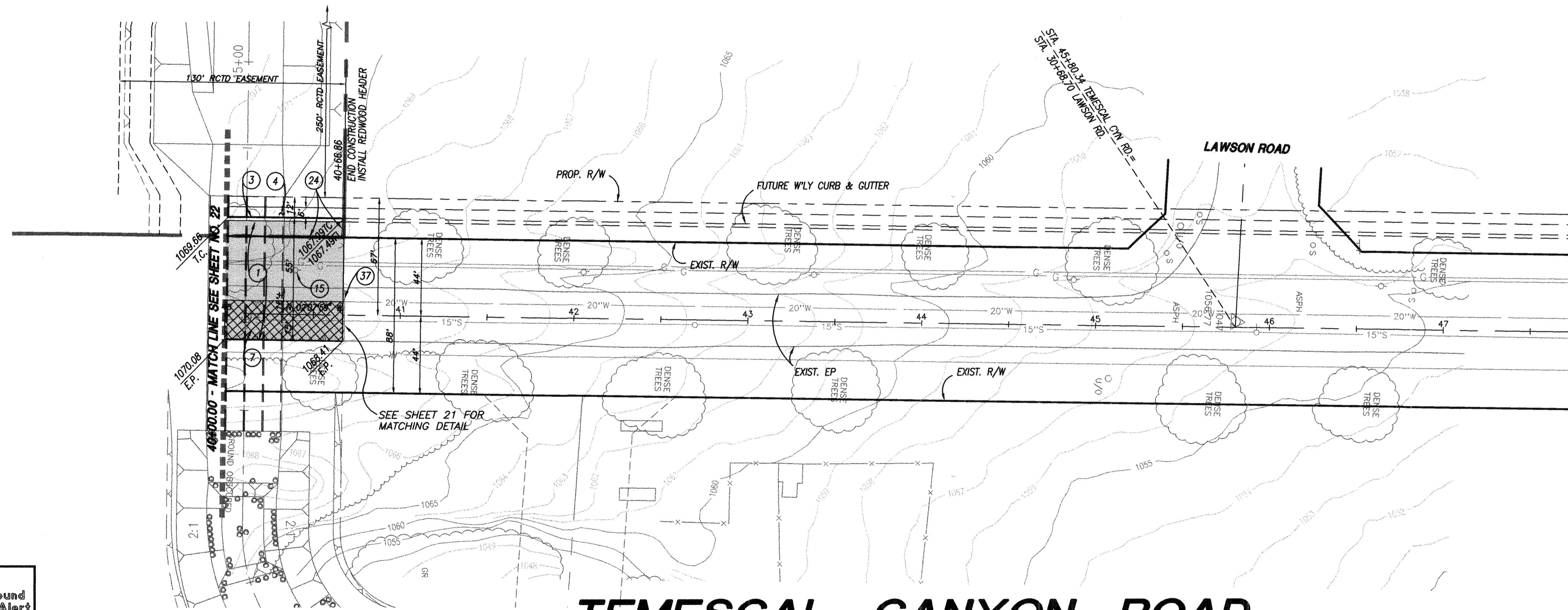
1065
RIGHT

1065
LEFT

1065
C/L

1065
RIGHT

40+00 41+00 42+00 43+00 44+00



CONSTRUCTION NOTES

- ① CONSTRUCT 0.39 A.C. PAVEMENT OVER 0.50 C.A.B. PER TYPICAL SECTION.
 - ③ CONSTRUCT TYPE A-6 CURB PER COUNTY OF RIVERSIDE STANDARD NO. 200. CURB AND GUTTER JOINTS PER COUNTY OF RIVERSIDE STANDARD NO. 205.
 - ④ CONSTRUCT SIDEWALK PER COUNTY OF RIVERSIDE STANDARD NO. 400.
 - ⑦ REMOVE EXISTING A.C. PAVING
 - ⑮ RELOCATE POLE (BY OTHERS).
 - ⑳ RELOCATE EXISTING FENCE TO OUTSIDE OF RIGHT-OF-WAY.
 - ㉓ 2' FEATHER OVERLAY & SAWCUT EXISTING A.C. PAVING SEE DETAIL 3 SHEET 3.
- ⊠ INDICATES A.C., CONCRETE, CURB & GUTTER REMOVAL (PER MASS GRADING PLAN)

TEMESCAL CANYON ROAD
 (PUBLIC)

AS-BUILT PLAN

CORRECTIONS NOTED 2/23/04
 SIGNATURE: *[Signature]*



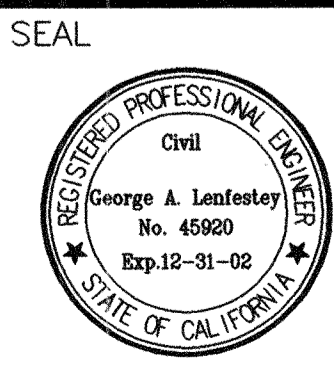
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DATE	BY	MARK	REVISIONS	APPR.	DATE



COUNTY OF RIVERSIDE
 TRANSPORTATION DEPARTMENT
 APPROVED BY: *[Signature]* 5/23/01
 RECOMMENDED - BOYLE ENGINEERING
 DATE: 5-17-01

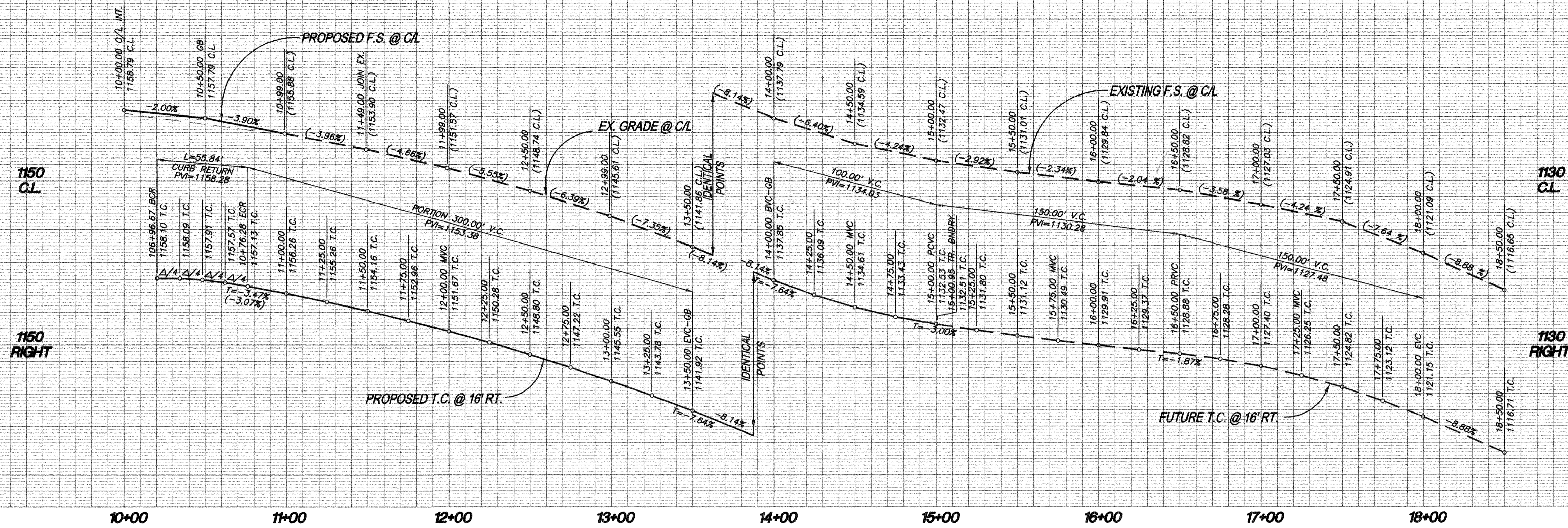


The Keith Companies **TKC**
 22690 Cactus Avenue, Suite 300 Moreno Valley, CA 92553-9024 (909) 853-0234
 PREPARED BY: *[Signature]* R.C.E. NO. 45920
 DATE: 5-16-01

BENCHMARK:
 SEE SHEET 1
 DATE PREPARED: JANUARY 2001
 SCALE: HOR: 1" = 40' VERT:

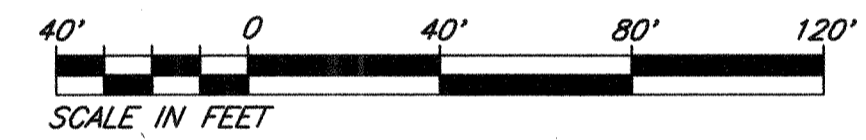
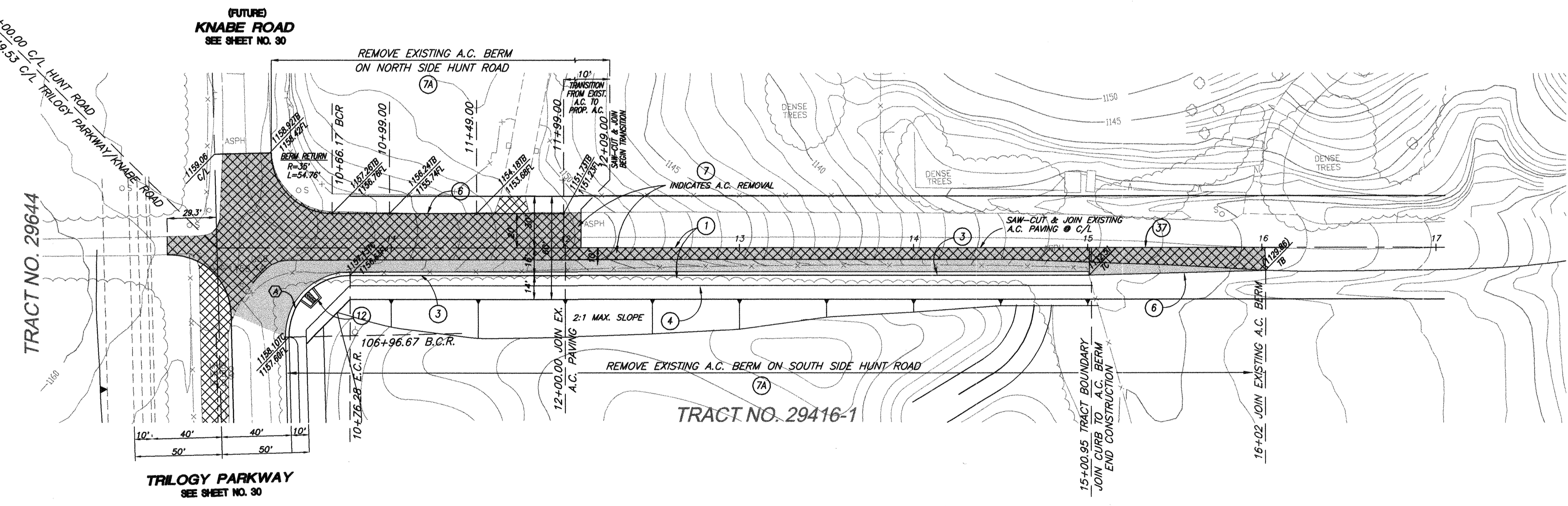
PP#16044 IP#000090
 COUNTY OF RIVERSIDE
 STREET IMPROVEMENT PLANS
 TRILOGY
 TEMESCAL CANYON RD.
 GOLF COURSE PLOT PLAN

SHEET NO.
 23
 OF 39 SHEETS.



PROFILE SCALE:
HORIZ: 1"=40'
VERT: 1"=8'

9+00 10+00 11+00 12+00 13+00 14+00 15+00 16+00 17+00 18+00



CONSTRUCTION NOTES

- ① CONSTRUCT 0.39" A.C. PAVEMENT OVER 0.50" C.A.B. PER TYPICAL SECTION.
- ③ CONSTRUCT TYPE A-6 CURB PER COUNTY OF RIVERSIDE STANDARD NO. 200. CURB AND GUTTER JOINTS PER COUNTY OF RIVERSIDE STANDARD NO. 205.
- ④ CONSTRUCT SIDEWALK PER COUNTY OF RIVERSIDE STANDARD NO. 400.
- ⑥ CONSTRUCT 6" ASPHALT CONCRETE BERM PER COUNTY OF RIVERSIDE STANDARD NO. 212.
- ⑦ REMOVE EXISTING A.C. PAVING.
- ⑦A REMOVE EXISTING A.C. BERM.
- ⑫ CONSTRUCT CURB RAMP PER COUNTY OF RIVERSIDE STANDARD NO. 403 CASE A.
- ⑬ 2" FEATHER OVERLAY & SAWCUT EXISTING A.C. PAVING. SEE DETAIL 3 SHEET 3

**HUNT ROAD
(PUBLIC)**

AS-BUILT PLAN

CORRECTIONS NOTED 2/23/01
SIGNATURE: *[Signature]*

CURVE DATA			
NO.	BEARING/DELTA	RADIUS	LENGTH
①	91°24'43"	35.00'	55.84'
			35.87'



NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR GRADING PERMIT HAS BEEN ISSUED.

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DATE	BY	MARK	REVISIONS	APPR.	DATE

SEAL-COUNTY

COUNTY OF RIVERSIDE
TRANSPORTATION DEPARTMENT
APPROVED BY:

[Signature] 5/23/01
KHALED A. OTHMAN DATE:

[Signature] 5-17-01
RECOMMENDED-BOYLE ENGINEERING DATE:

SEAL

REGISTERED PROFESSIONAL ENGINEER
Civil
George A. Lenfestey
No. 45920
Exp. 12-31-02
STATE OF CALIFORNIA

The Keith Companies **TKC**
22690 Cactus Avenue, Suite 300 Moreno Valley, CA 92553-9024 (909) 653-0234

PREPARED BY: *[Signature]* R.C.E. NO. 45920
DATE: 5-16-01

BENCHMARK:
SEE SHEET 1

DATE PREPARED: JANUARY 2001

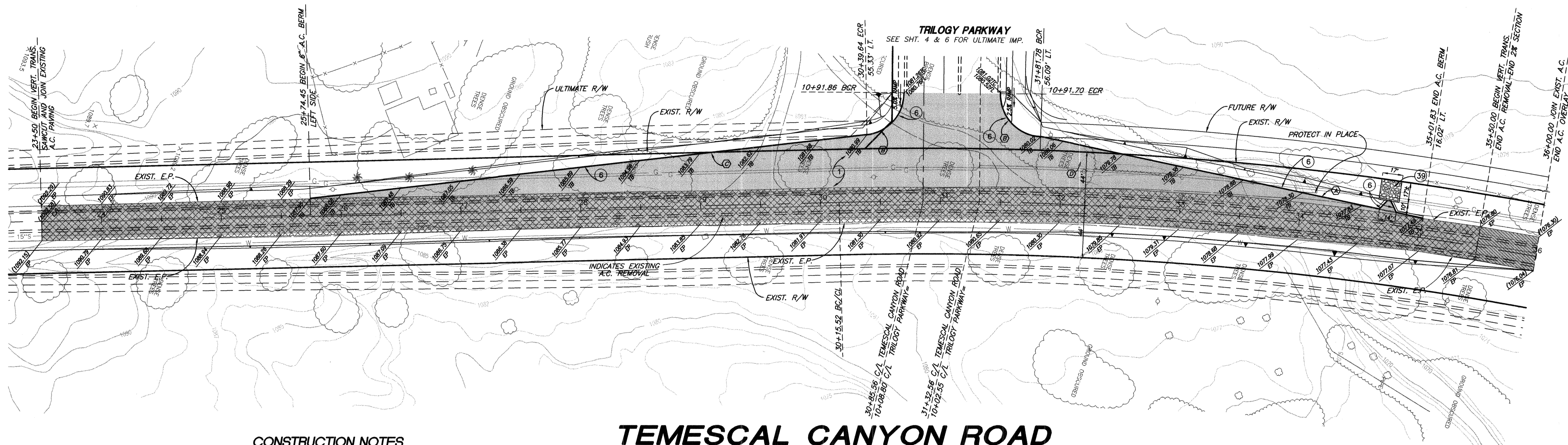
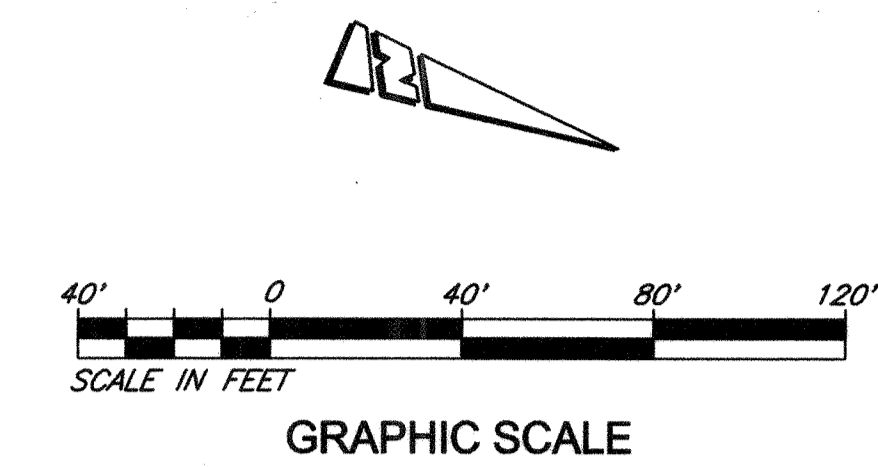
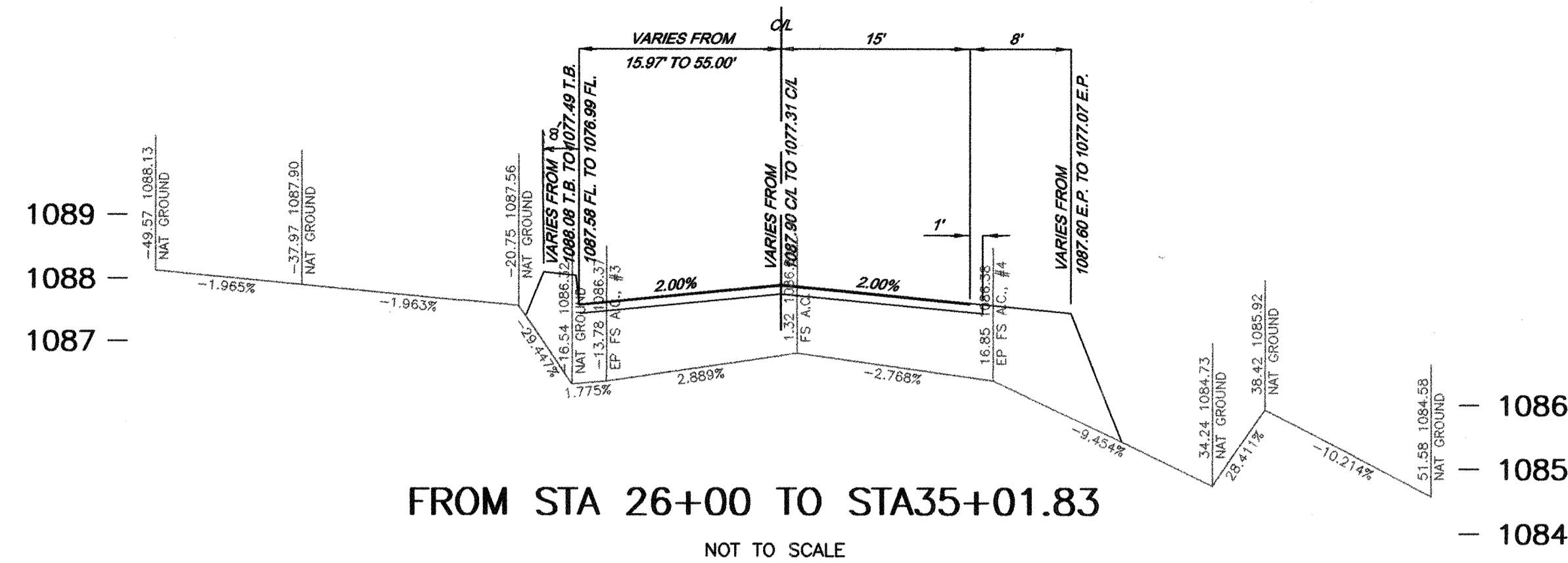
SCALE: HOR: 1" = 40' VERT: 1" = 8'

PP#16044 IP#000090
COUNTY OF RIVERSIDE
STREET IMPROVEMENT PLANS
TRILOGY

HUNT ROAD
TRACT NO. 29416-1

SHEET NO. 24
OF 39 SHTS.

FOR: W.O. COUNTY FILE NO. 925-A



CONSTRUCTION NOTES

- ① CONSTRUCT 0.25 A.C. PAVEMENT OVER 0.50 C.A.B. PER TYPICAL SECTION.
- ⑥ CONSTRUCT 6" A.C. DIKE PER COUNTY OF RIVERSIDE STANDARD, NO. 212
- ③⑨ CONSTRUCT 1/4 TON RIPRAP AS SHOWN ON PLAN

CURVE/LINE DATA				
NO.	BEARING/DELTA	RADIUS	LENGTH	TANGENT
(A)	N07°03'37"W	326.16'	54.08'	34.12'
(B)	S8°32'44"	35.00'	54.08'	34.12'
(C)	N25°32'06"W	---	467.50'	---

TEMESCAL CANYON ROAD

(SEE SHEET 22 FOR GOLF COURSE PLOT PLAN)



AS-BUILT PLAN

CORRECTIONS NOTED 2/23/04
SIGNATURE: *[Signature]*

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DATE	BY	MARK	REVISIONS	APPR.	DATE

SEAL-COUNTY

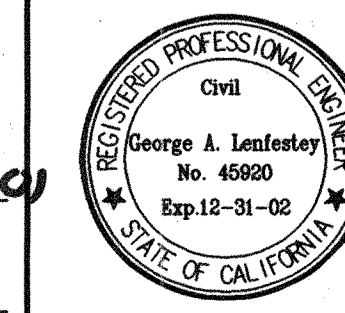


COUNTY OF RIVERSIDE
TRANSPORTATION DEPARTMENT
APPROVED BY:

[Signature] 5/23/01
DATE: 5/23/01

RECOMMENDED-BOYLE ENGINEERING DATE: 5/22/01

SEAL



The Keith Companies **TKC**

22690 Coates Avenue, Suite 300 Moreno Valley, CA 92553-9024 (909) 853-0234

PREPARED BY: *[Signature]* R.C.E. NO. 45920
DATE: 5/22/01

BENCHMARK:

SEE SHEET 1

DATE PREPARED: JANUARY 2001

SCALE: 1" = 40' VERT:

PP#16044 IP#000090

COUNTY OF RIVERSIDE
STREET IMPROVEMENT PLANS
TRILogy

TEMESCAL CANYON ROAD
INTERIM A.C. PLAN

FOR: W.O. COUNTY FILE NO. 925-A

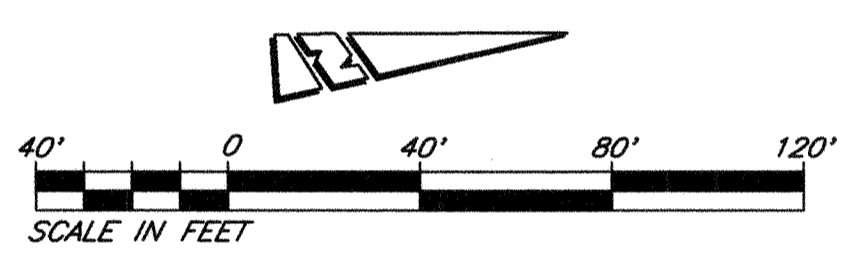
SHEET NO.

25

OF 39 SHTS.

PROFILE SCALE:
HORIZ: 1"=40'
VERT: 1"=8'

70+00 71+00 72+00 73+00 74+00 75+00 76+00 77+00 78+00 79+00 80+00



ARCH CULVERT IS PRIVATELY OWNED AND MAINTAINED (SEE SHEET 39a OF 39)

PROP. WATER PER SHEET 3 OF 5 OF CFD WATER IMPROVEMENT PLANS FOR TRACT NOS. 29416 AND 29644 (MS#3825 IP#010025)

CONSTRUCTION NOTES

- 1 CONSTRUCT 0.39 A.C. PAVEMENT OVER 0.50 C.A.B. PER TYPICAL SECTION.
- 2 CONSTRUCT TYPE "D" CURB (MODIFIED) PER COUNTY OF RIVERSIDE STANDARD NO. 204, AND PER DETAIL 1 ON SHEET 3.
- 3 CONSTRUCT TYPE A-6 CURB PER COUNTY OF RIVERSIDE STANDARD NO. 200. CURB AND GUTTER JOINTS PER COUNTY OF RIVERSIDE STANDARD NO. 205.
- 4 CONSTRUCT SIDEWALK PER COUNTY OF RIVERSIDE STANDARD NO. 400.
- 12 CONSTRUCT CURB RAMP PER COUNTY OF RIVERSIDE STANDARD NO. 403, CASE A.
- 21 CONSTRUCT CROSS-GUTTER PER COUNTY OF RIVERSIDE STANDARD NO. 209.
- 44 INSTALL TYPE "F" DELINEATORS PER CALTRANS STD. PLANS

NO.	DELTA	CURVE DATA	RADIUS	LENGTH	TANGENT
A	08°18'24"	1440.00'	208.77'	104.57'	
B	37°48'52"	1400.00'	923.98'	479.53'	
C	09°09'01"	1360.00'	217.19'	108.83'	
D	87°21'27"	35.00'	53.36'	33.42'	
E	87°21'27"	35.00'	53.36'	33.42'	
H	09°09'01"	1407.00'	224.70'	112.59'	
G	24°41'53"	1360.00'	586.25'	297.75'	
I	180°00'00"	2.00'	6.28'	---	
J	09°04'55"	152.23'	24.13'	12.09'	
K	08°10'03"	1403.00'	200.00'	100.17'	

TRILOGY PARKWAY

AS-BUILT PLAN

CORRECTIONS NOTED 2/23/04
SIGNATURE: *[Signature]*

Underground Service Alert
Call: TOLL FREE 1-800-227-2600
TWO WORKING DAYS BEFORE YOU DIG

NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR GRADING PERMIT HAS BEEN ISSUED.

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DATE	BY	MARK	REVISIONS	APPR.	DATE

SEAL-COUNTY
REGISTERED PROFESSIONAL ENGINEER
No. 33950
Exp. 6/30/02
CIVIL
STATE OF CALIFORNIA

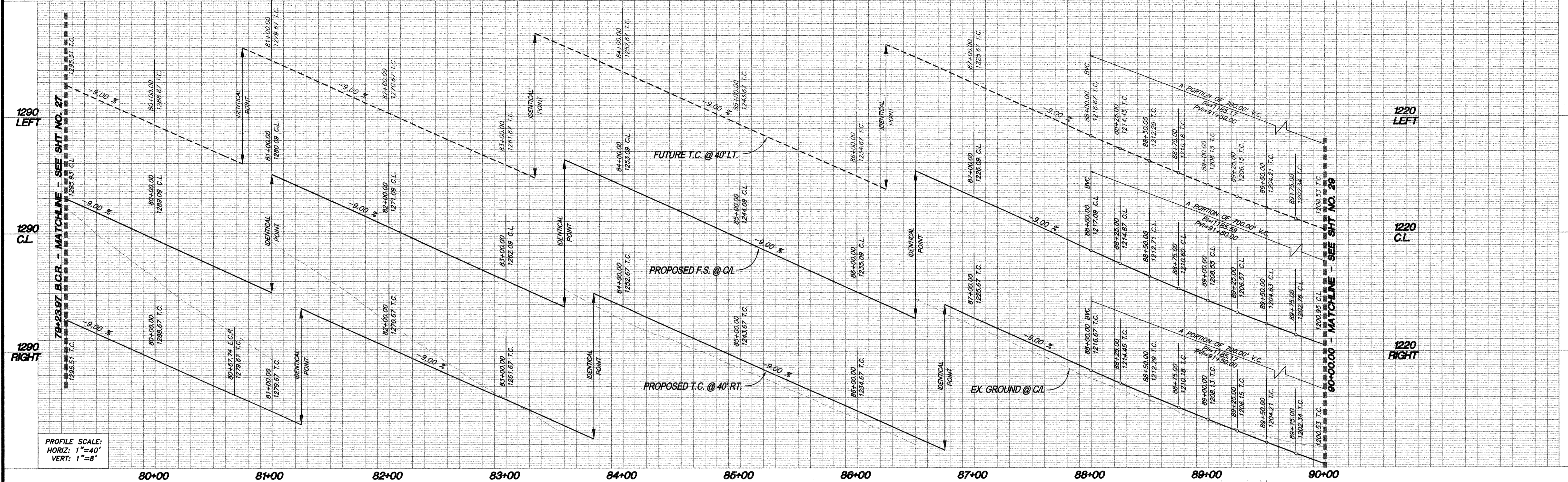
COUNTY OF RIVERSIDE
TRANSPORTATION DEPARTMENT
APPROVED BY:
[Signature]
DATE: 5/12/01
RECOMMENDED-BOYLE ENGINEERING
DATE: 5-17-01

SEAL
REGISTERED PROFESSIONAL ENGINEER
Civil
George A. Lenfestey
No. 45620
Exp. 12-31-02
STATE OF CALIFORNIA

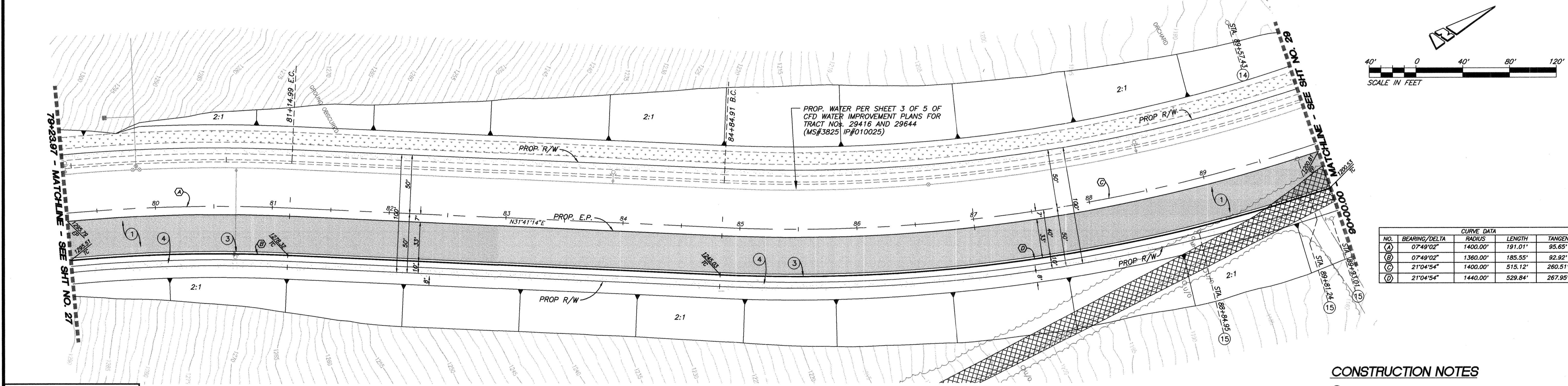
The Keith Companies **TKC**
22690 Cactus Avenue, Suite 300 Moreno Valley, CA 92553-9224 (909) 653-0234
PREPARED BY: *[Signature]* R.C.E. NO. 45920
DATE: 5-16-01

BENCHMARK:
SEE SHEET 1
DATE PREPARED: JANUARY 2001
SCALE: HOR: 1" = 40' VERT: 1" = 8'

PP#16044 IP#000090
COUNTY OF RIVERSIDE
STREET IMPROVEMENT PLANS
TRILOGY
TRILOGY PARKWAY
INTERIM STREET PLAN
GOLF COURSE PLOT PLAN
SHEET NO. 27 OF 39 SHITS.
FOR: W.O. COUNTY FILE NO. 925-A



PROFILE SCALE:
 HORIZ: 1"=40'
 VERT: 1"=8'



CURVE DATA				
NO.	BEARING/Delta	RADIUS	LENGTH	TANGENT
(A)	07°49'02"	1400.00'	191.01'	95.65'
(B)	07°49'02"	1360.00'	185.55'	92.92'
(C)	21°04'54"	1400.00'	515.12'	260.51'
(D)	21°04'54"	1440.00'	529.84'	267.95'

- CONSTRUCTION NOTES**
- (1) CONSTRUCT 0.39 A.C. PAVEMENT OVER 0.50 C.A.B. PER TYPICAL SECTION.
 - (3) CONSTRUCT TYPE A-6 CURB PER COUNTY OF RIVERSIDE STANDARD NO. 200.
 - (4) CURB AND GUTTER JOINTS PER COUNTY OF RIVERSIDE STANDARD NO. 205.
 - (4) CONSTRUCT SIDEWALK PER COUNTY OF RIVERSIDE STANDARD NO. 400.
 - (14) PROTECT EXIST. FENCE/POLE/SIGN IN PLACE.
 - (15) RELOCATE POLE (BY OTHERS).



TRIOLOGY PARKWAY

AS-BUILT PLAN
 CORRECTIONS NOTED 2/23/04
 SIGNATURE: *[Signature]*

INDICATES A.C., CONCRETE, CURB & GUTTER REMOVAL (PER MASS GRADING PLAN)

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DATE	BY	MARK	REVISIONS	APPR.	DATE

SEAL-COUNTY

COUNTY OF RIVERSIDE
 TRANSPORTATION DEPARTMENT
 APPROVED BY: *[Signature]* 5/23/04
 KHALEF A. OTHMAN

RECOMMENDED-BOYLE ENGINEERING
 DATE: 5-17-01

SEAL

REGISTERED PROFESSIONAL ENGINEER
 Civil
 George A. Lenfestey
 No. 45920
 Exp. 12-31-02
 STATE OF CALIFORNIA

The Keith Companies **TKC**
 22690 Cactus Avenue, Suite 300, Moreno Valley, CA 92553-9024 (909) 653-0234
 PREPARED BY: *[Signature]* R.C.E. NO. 45920
 DATE: 5-16-01

BENCHMARK:
 SEE SHEET 1

DATE PREPARED: JANUARY 2001

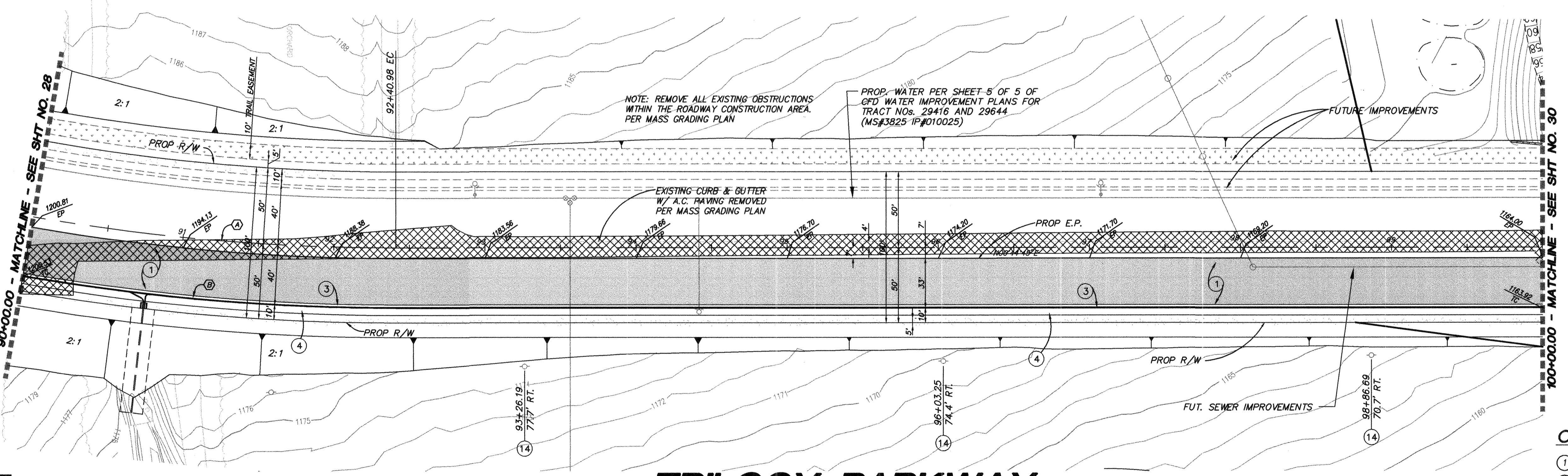
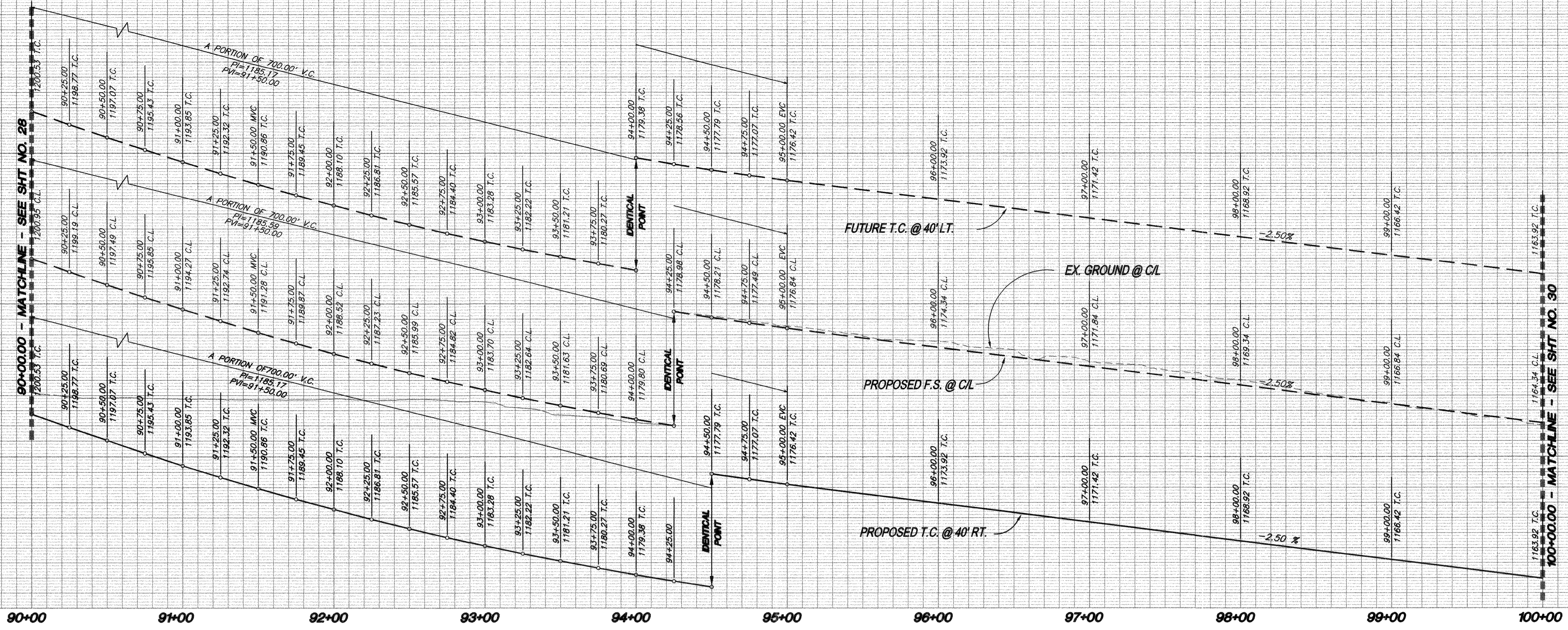
SCALE:
 HOR: 1" = 40' VERT: 1" = 8'

PP#16044 IP#000090
 COUNTY OF RIVERSIDE
 STREET IMPROVEMENT PLANS
TRIOLOGY
 TRIOLOGY PARKWAY
 INTERIM STREET PLAN
 GOLF COURSE PLOT PLAN

SHEET NO. 28 OF 39 SHEETS.

FOR: W.O. COUNTY FILE NO. 925-A

PROFILE SCALE:
HORIZ: 1"=40'
VERT: 1"=8'



CURVE DATA			
NO.	DELTA	RADIUS	TANGENT
(A)	09°51'40"	1400.00'	240.95'
(B)	09°51'40"	1450.00'	249.56'

CONSTRUCTION NOTES

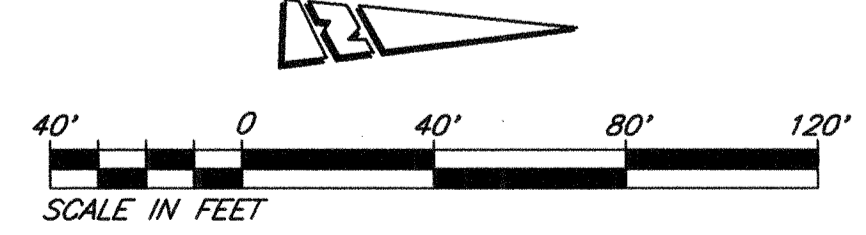
- ① CONSTRUCT 0.39 A.C. PAVEMENT OVER 0.50 C.A.B. PER TYPICAL SECTION.
- ③ CONSTRUCT TYPE A-5 CURB PER COUNTY OF RIVERSIDE STANDARD NO. 200. CURB AND GUTTER JOINTS PER COUNTY OF RIVERSIDE STANDARD NO. 205.
- ④ CONSTRUCT SIDEWALK PER COUNTY OF RIVERSIDE STANDARD NO. 400.
- ⑭ PROTECT EXIST. FENCE/POLE/SIGN IN PLACE.

TRIOLOGY PARKWAY

AS-BUILT PLAN

CORRECTIONS NOTED 2/23/0X
SIGNATURE: *[Signature]*

Underground Service Alert
Call: TOLL FREE
1-800-227-2600
TWO WORKING DAYS BEFORE YOU DIG



NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR GRADING PERMIT HAS BEEN ISSUED.

THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES AFTER COUNTY APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE COUNTY.

DATE	BY	MARK	REVISIONS	APPR.	DATE

SEAL-COUNTY
REGISTERED PROFESSIONAL ENGINEER
No. 33950
Exp. 6/30/02
CIVIL
STATE OF CALIFORNIA

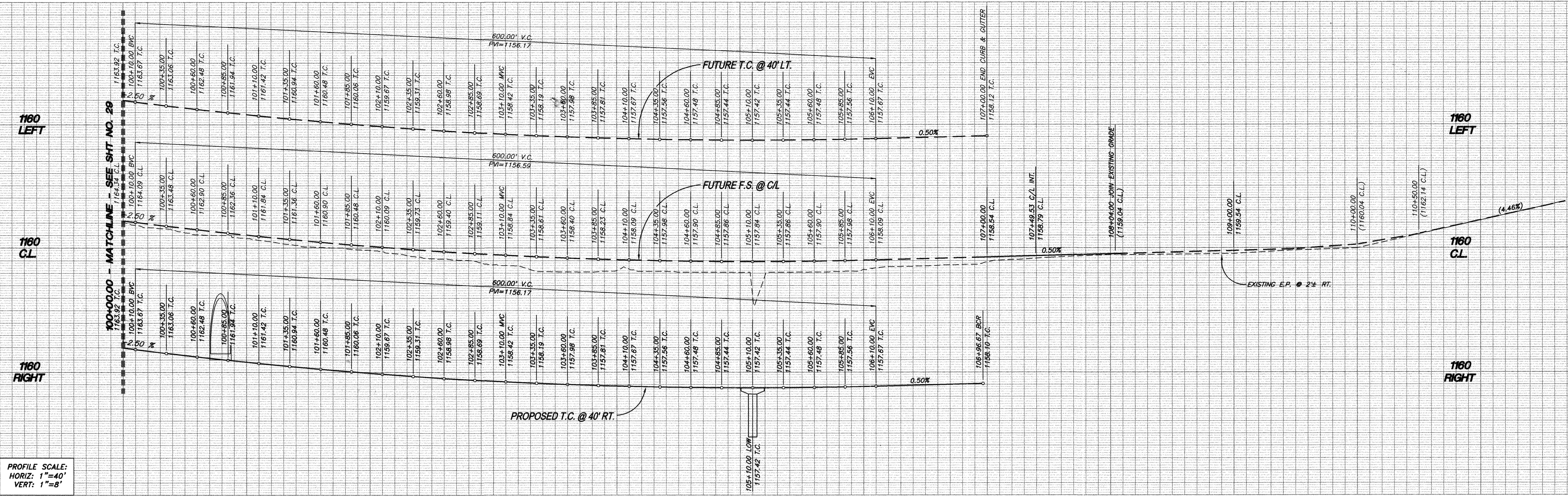
COUNTY OF RIVERSIDE
TRANSPORTATION DEPARTMENT
APPROVED BY:
[Signature] DATE: 5/23/01
[Signature] DATE: 5-17-01
RECOMMENDED-BOYLE ENGINEERING

SEAL
REGISTERED PROFESSIONAL ENGINEER
Civil
George A. Lenfestey
No. 45920
Exp. 12-31-02
STATE OF CALIFORNIA

The Keith Companies **TKC**
22690 Cactus Avenue, Suite 300 Moreno Valley, CA 92553-9024 (909) 653-0234
PREPARED BY: *[Signature]* R.C.E. NO. 45920
DATE: 5-16-01

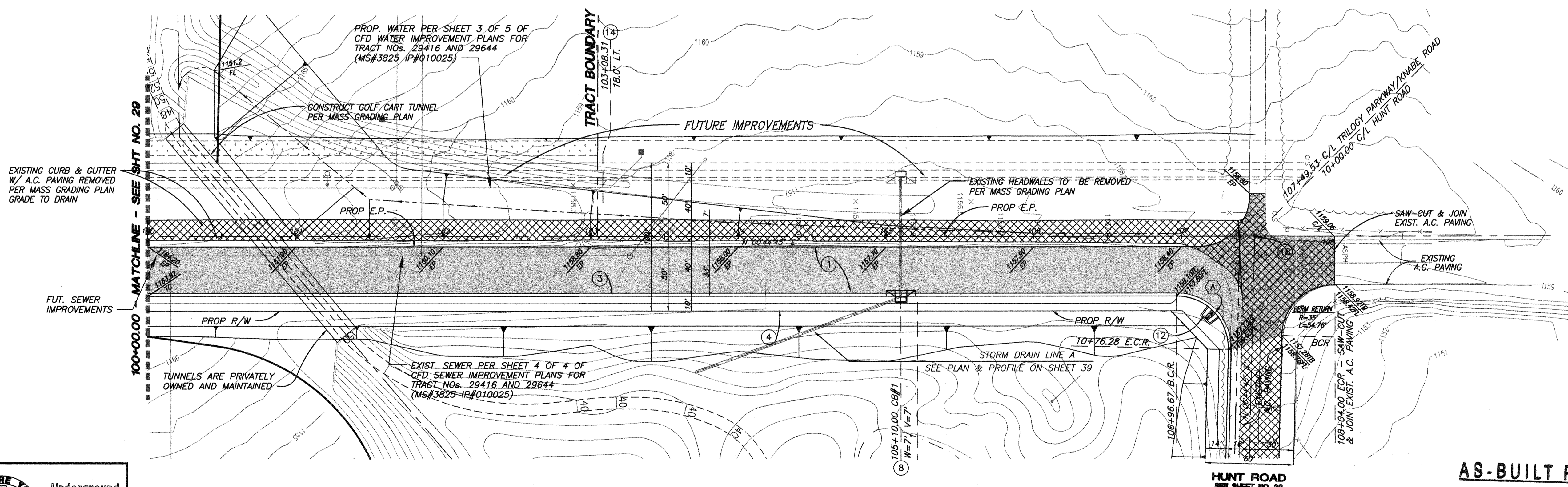
BENCHMARK:
SEE SHEET 1
DATE PREPARED: JANUARY 2001
SCALE:
HOR: 1" = 40' VERT: 1" = 8'

PP#16044 IP#000090
COUNTY OF RIVERSIDE
STREET IMPROVEMENT PLANS
TRIOLOGY PARKWAY
INTERIM STREET PLAN
GOLF COURSE PLOT PLAN
SHEET NO. **29**
OF **39** SHTS.
FOR: W.O. COUNTY FILE NO. **925-A**



PROFILE SCALE:
HORIZ: 1"=40'
VERT: 1"=8'

100+00 101+00 102+00 103+00 104+00 105+00 106+00 107+00 108+00 109+00



- CONSTRUCTION NOTES**
- CONSTRUCT 0.39 A.C. PAVEMENT OVER 0.50 C.A.B. PER TYPICAL SECTION.
 - CONSTRUCT TYPE A-6 CURB PER COUNTY OF RIVERSIDE STANDARD NO. 200. CURB AND GUTTER JOINTS PER COUNTY OF RIVERSIDE STANDARD NO. 205.
 - CONSTRUCT SIDEWALK PER COUNTY OF RIVERSIDE STANDARD NO. 400.
 - CONSTRUCT CURB INLET CATCH BASIN PER COUNTY OF RIVERSIDE STANDARD NO. 300.
 - CONSTRUCT CURB RAMP PER COUNTY OF RIVERSIDE STANDARD NO. 403, CASE A.
 - CONSTRUCT CENTERLINE MONUMENT PER COUNTY OF RIVERSIDE STANDARD NO. 903.

INDICATES A.C. REMOVAL (PER MASS GRADING PLAN)



TRILogy PARKWAY

AS-BUILT PLAN
CORRECTIONS NOTED 2/23/04
SIGNATURE: *[Signature]*
KNABE ROAD

CURVE DATA				
NO.	BEARING/DELTA	RADIUS	LENGTH	TANGENT
(A)	91°24'43"	35.00'	55.84'	35.87'

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DATE	BY	MARK	REVISIONS	APPR.	DATE

SEAL-COUNTY

COUNTY OF RIVERSIDE
TRANSPORTATION DEPARTMENT
APPROVED BY: *[Signature]* DATE: 5/17/01

RECOMMENDED-BOYLE ENGINEERING DATE: 5-17-01

SEAL

REGISTERED PROFESSIONAL ENGINEER
Civil
George A. Lanfesty
No. 45920
Exp. 12-31-02

The Keith Companies **TKC**
22890 Coctus Avenue, Suite 300 Moreno Valley, CA 92553-9024 (909) 653-0234

PREPARED BY: *[Signature]* R.C.E. NO. 45920
DATE: 5-16-01

BENCHMARK:
SEE SHEET 1

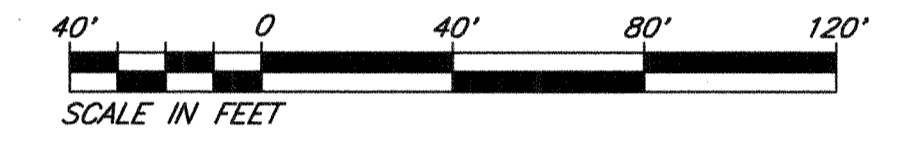
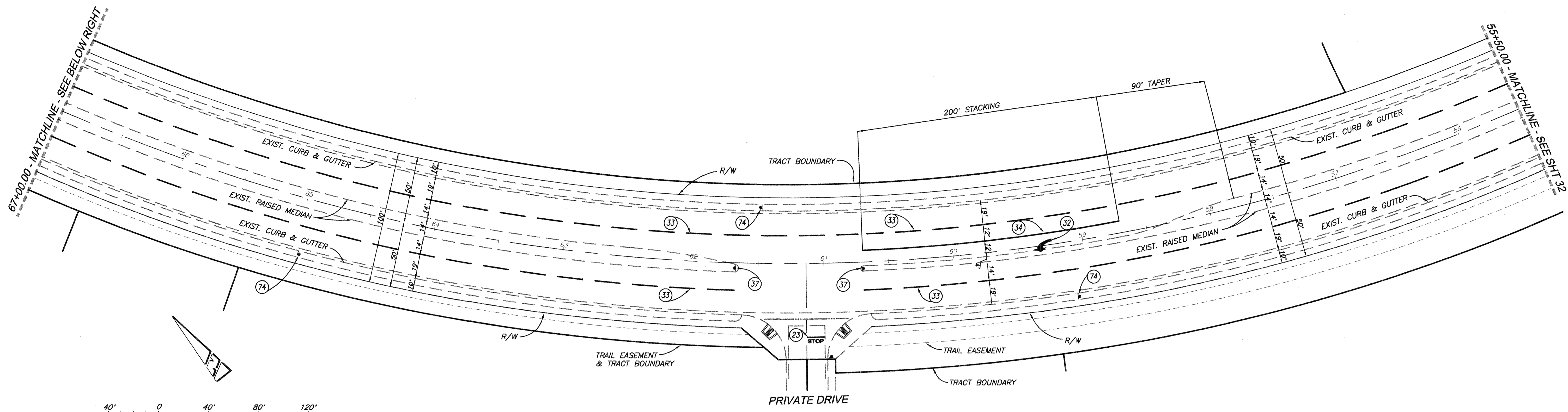
DATE PREPARED: JANUARY 2001

SCALE: HOR: 1" = 40' VERT: 1" = 8'

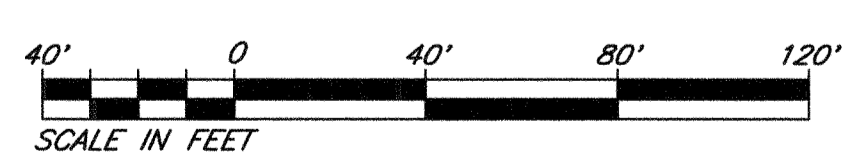
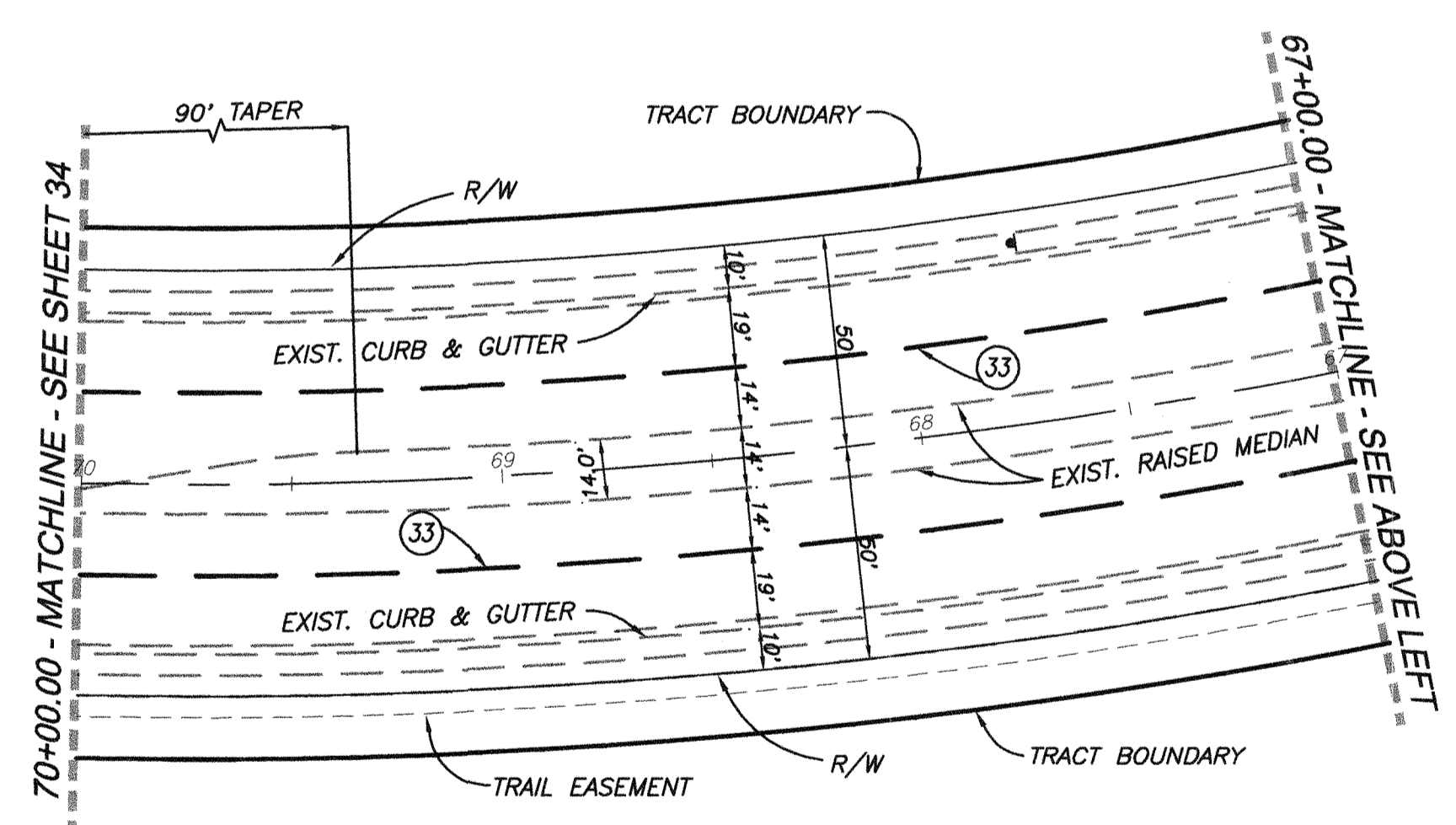
PP#16044 IP#000090
COUNTY OF RIVERSIDE
STREET IMPROVEMENT PLANS
TRILogy PARKWAY
INTERIM STREET PLAN
GOLF COURSE PLOT PLAN

SHEET NO. 30 OF 39 SHEETS.

FOR: W.O. COUNTY FILE NO. 925-A



TRILOGY PARKWAY



TRILOGY PARKWAY

SIGNAGE AND STRIPING NOTES:

1. TRAFFIC STRIPES, PAVEMENT MARKINGS AND RAISED PAVEMENT MARKERS PER CALTRANS TRAFFIC MANUAL, STANDARD PLANS AND SPECIFICATIONS, LATEST EDITION.
2. ALL SIGNS SHALL BE STANDARD SIZE UNLESS OTHERWISE NOTED ON PLANS. SIGNS SHALL BE ON 4"x4" WOOD POSTS WITH ANCHOR BLOCKS UNLESS OTHERWISE NOTED ON THE PLANS.
3. ALL STRIPES, SIGNS, AND PAVEMENT MARKINGS SHALL BE REFLECTORIZED. STENCILS FOR PAVEMENT MARKINGS SHALL MATCH COUNTY FEDERAL METRIC STANDARD STENCILS EXACTLY. ALL STRIPING AND MARKING DETAILS SHALL MATCH CALTRANS STANDARD DETAILS.
4. ALL CONFLICTING STRIPES AND PAVEMENT MARKINGS SHALL BE REMOVED BY SANDBLASTING OR GRINDING. CONFLICTING SIGNS AND RAISED PAVEMENT MARKERS SHALL BE REMOVED. ALL REMOVALS OF SIGNS AND MARKINGS SHALL BE THE RESPONSIBILITY OF THE DEVELOPER OR APPLICANT.
5. PAINTED TRAFFIC STRIPES AND PAINTED PAVEMENT MARKINGS (IF ALLOWED) SHALL BE APPLIED IN TWO COATS. PAVEMENT MARKINGS SHALL BE APPLIED IN THERMOPLASTIC FORMAT UNLESS APPROVED OTHERWISE.
6. ALL REMOVED SIGNS SHALL BE SALVAGED AND DELIVERED TO THE COUNTY YARD AS DIRECTED BY THE COUNTY INSPECTOR ON THE JOB SITE.
7. THE COUNTY INSTALLS SIGNS AND PAINTED LANE LINES. INSTALLATION OF SIGNING AND STRIPING SHALL BE IN ACCORDANCE WITH THE APPROVED PLAN WITH ALL INCURRED COSTS BORNE BY THE DEVELOPER OR APPLICANT. THE COUNTY RESERVES THE RIGHT TO REQUIRE ALL WORK TO BE DONE BY CONTRACTOR.
8. RAISED PAVEMENT MARKERS SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH THE STRIPING DETAILS SHOWN ON THE SIGNING AND STRIPING PLAN. INSTALLATION SHALL BE COMPLETE WITHIN SEVEN WORKING DAYS OF ROADWAY STRIPING. RAISED PAVEMENT MARKERS ARE TO BE INSTALLED ON ROADWAYS W/ "EXPRESSWAY" OR "ARTERIAL" CLASSIFICATION ONLY.

CONSTRUCTION NOTES

- (23) - INSTALL THERMOPLASTIC LIMITLINE AND THERMOPLASTIC "STOP" PAVEMENT MARKINGS WITH R1 STOP SIGN.
- (23A) - INSTALL R1 SIGN PER CALTRANS STD. PLANS.
- (32) - APPLY THERMOPLASTIC TYPE IV LEFT ARROW PER CALTRANS TRAFFIC MANUAL.
- (33) - PAINT DET 12 PER CALTRANS STD. PLANS.
- (34) - PAINT DET. 38 PER CALTRANS STD. PLANS.
- (37) - INSTALL R7 & R10 TYPE N SIGN PER CALTRANS TRAFFIC MANUAL.
- (74) - INSTALL R26(S) SIGN PER CALTRANS STD. PLANS.

AS-BUILT PLAN

CORRECTIONS NOTE 2/28/02
SIGNATURE: *[Signature]*

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DATE	BY	MARK	REVISIONS	APPR.	DATE

SEAL-COUNTY

COUNTY OF RIVERSIDE
TRANSPORTATION DEPARTMENT
APPROVED BY:

[Signature] 11/14/02
KHALED A. OTHMAN DATE:

RECOMMENDED-BOYLE ENGINEERING DATE:

SEAL

The Keith Companies **TKC**

22690 Cactus Avenue, Suite 300 Moreno Valley, CA 92553-9224 (909) 653-0234

PREPARED BY: *[Signature]* R.C.E. NO. 45920
DATE: 2/2/02

BENCHMARK:
SEE SHEET 1

DATE PREPARED: FEBRUARY 2002

SCALE:
HOR: VERT:

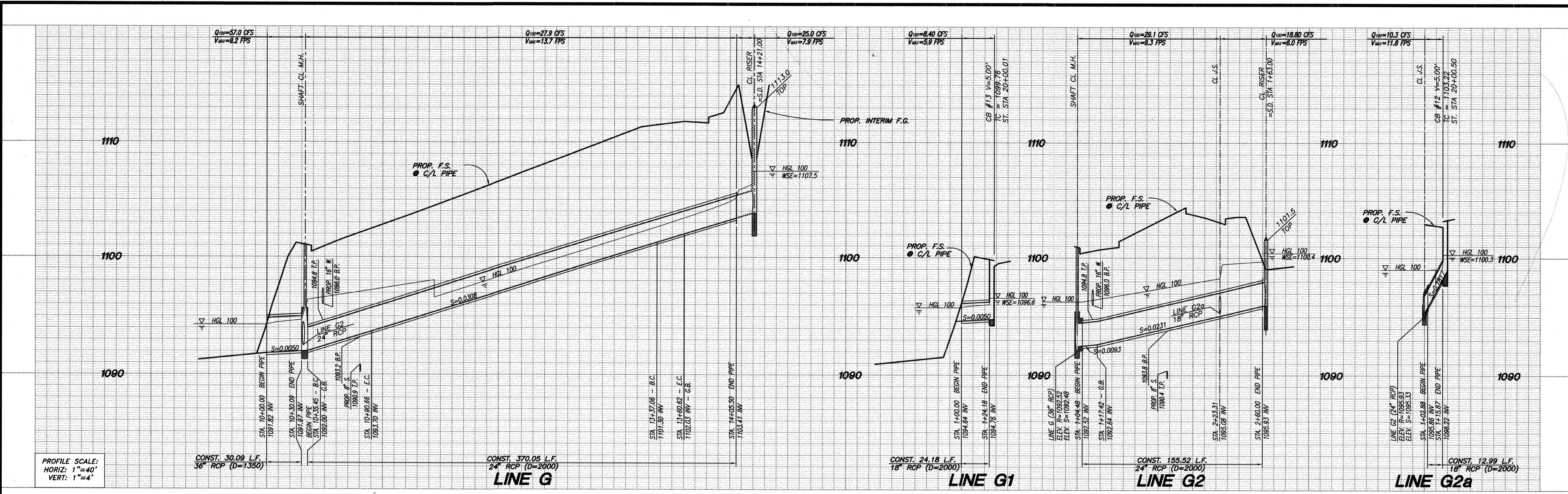
PP#16044 IP#000090
COUNTY OF RIVERSIDE
STREET IMPROVEMENT PLANS

TRILOGY PARKWAY
INTERIM STRIPING
GOLF COURSE PLOT PLAN

FOR: SHEA HOMES W.O. 31519.000 COUNTY FILE NO.

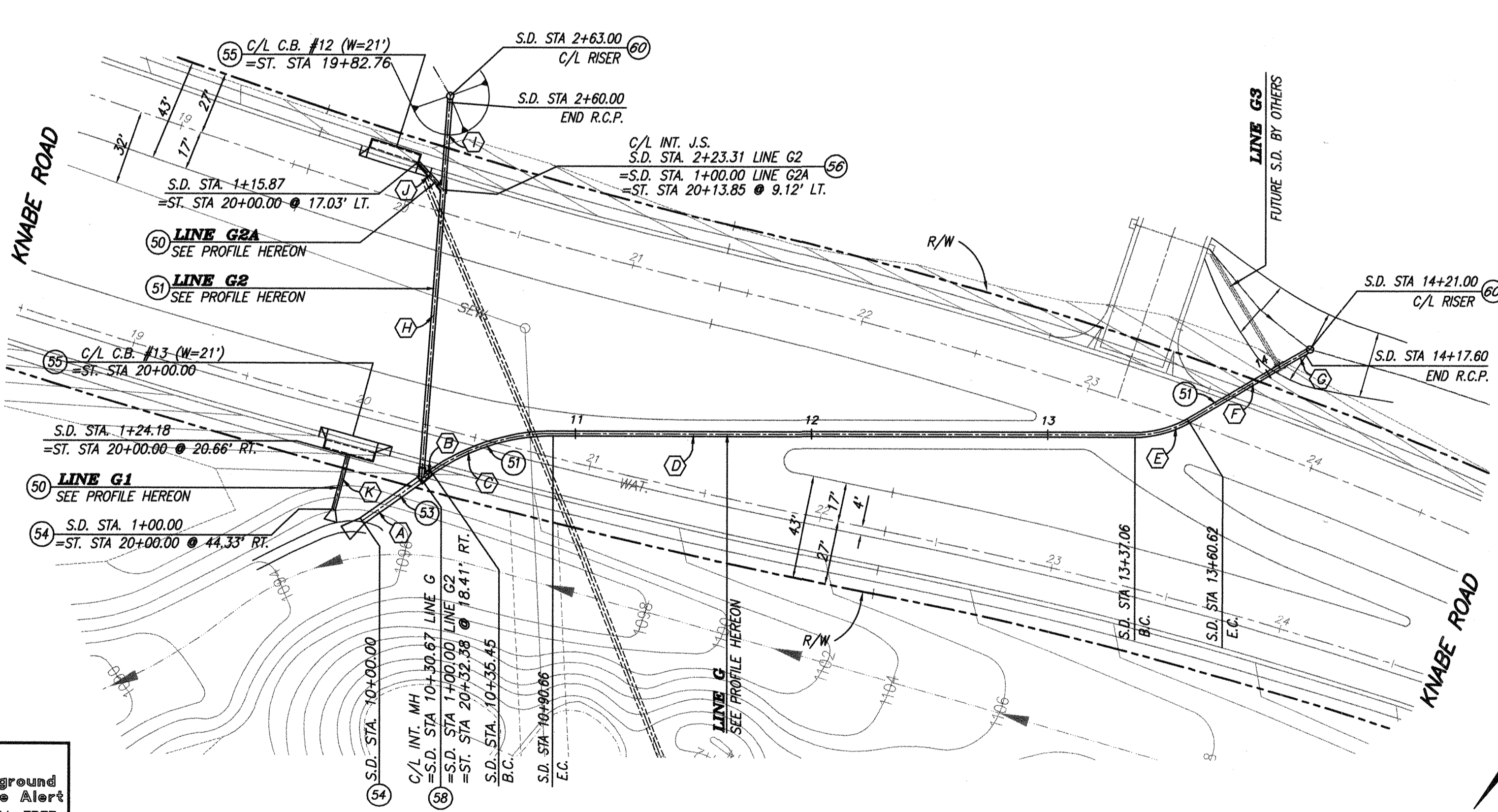
SHEET NO.
33

OF **39** SHETS.

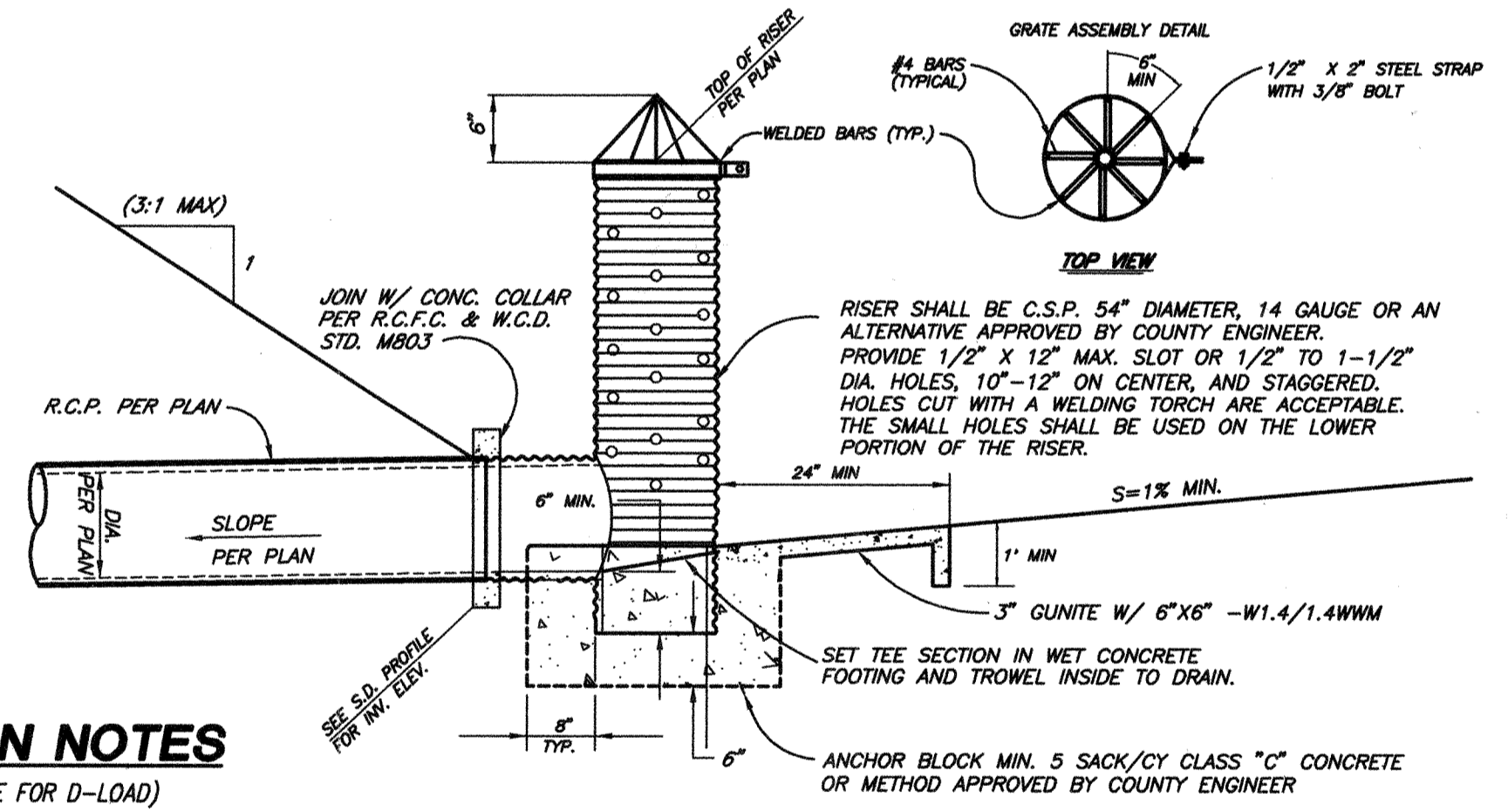


PROFILE SCALE:
HORIZ: 1"=40'
VERT: 1"=4'

10+00 11+00 12+00 13+00 14+00



LINES G, G1, G2, & G2A



CONSTRUCTION NOTES

- 50 - CONSTRUCT 18" RCP (SEE PROFILE FOR D-LOAD)
- 51 - CONSTRUCT 24" RCP (SEE PROFILE FOR D-LOAD)
- 52 - CONSTRUCT 36" RCP (SEE PROFILE FOR D-LOAD)
- 53 - CONSTRUCT RIPRAP HEADWALL PER MASS GRADING PLANS (PP16044)
- 54 - CONSTRUCT C.B. NO. 1 PER R.C.F.C.D. & W.C.D. STD. DWG. NO. CB100 AND LOCAL DEPRESSION NO. 2 CASE B (CASE C FOR SUMP) PER R.C.F.C.D. & W.C.D. STD. DWG. NO. LD201
- 55 - CONSTRUCT JUNCTION STRUCTURE NO. 4 PER R.C.F.C.D. & W.C.D. STD. DWG. NO. JS229
- 56 - CONSTRUCT MANHOLE NO. 1 PER R.C.F.C.D. & W.C.D. STD. DWG. NO. MH. 251
- 57 - CONSTRUCT 36" DIA. RISER PER DETAIL HEREON.

TEMPORARY CMP RISER DETAIL

CURVE/LINE DATA				
NO.	BEARING/DELTA	RADIUS	LENGTH	TANGENT
(A)	N23°07'53"E	---	30.67'	---
(B)	N23°07'53"E	---	4.78'	---
(C)	S5°08'47"	90.00'	55.21'	28.50'
(D)	N58°16'40"E	---	246.40'	---
(E)	S30°00'00"	45.00'	23.56'	12.06'
(F)	N27°25'28"E	---	44.88'	---
(G)	N27°25'28"E	---	15.10'	---
(H)	N27°32'13"W	---	123.31'	---
(I)	N27°32'13"W	---	39.69'	---
(J)	N74°47'38"W	---	15.87'	---
(K)	N16°42'33"W	---	24.18'	---

AS-BUILT PLAN
CORRECTIONS NOTED
SIGNATURE: [Signature]

COUNTY OF RIVERSIDE JUNCTION STRUCTURE DATA TABLE																
STRUCTURE	MAIN LINE	LATERAL LEFT					LATERAL RIGHT									
		NAME	A	B	C'	E'	L'	NAME	A	B	C'	E'	L'	D ₁	D ₂	
MH #10+30.67	LINE G	LAT G2	50'40"6"	24"	4.9'	5.2'	6.2'								24"	36"



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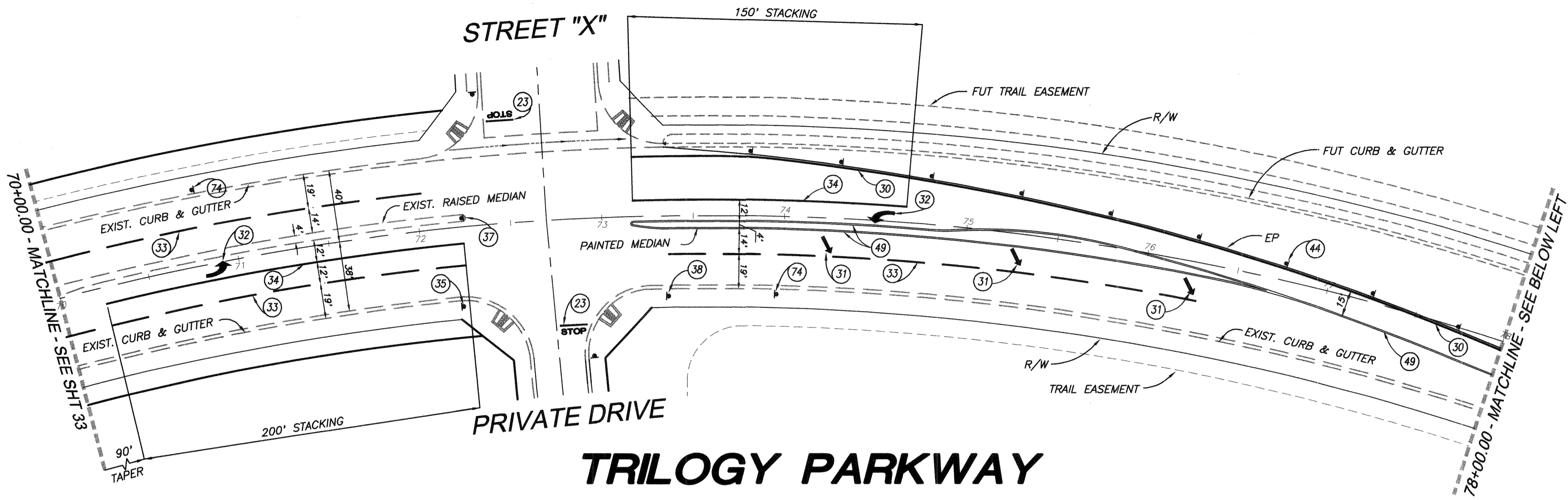
DATE	BY	MARK	REVISIONS	APPR.	DATE

SEAL-COUNTY
COUNTY OF RIVERSIDE
TRANSPORTATION DEPARTMENT
APPROVED BY: [Signature]
KHALED A. OTHMAN
DATE: 10/11/00

SEAL
The Keith Companies
TKC
22890 Coactus Avenue, Suite 300 Moreno Valley, CA 92553-9024 (909) 653-0234
PREPARED BY: [Signature]
R.C.E. NO. 57835
DATE: 10/4/00

BENCHMARK:
SEE SHEET 1
DATE PREPARED: SEPTEMBER 2000
SCALE: HOR: 1" = 40' VERT:

PP16044 IP#000090
COUNTY OF RIVERSIDE
STORM DRAIN PLANS
TRILOGY
KNABE ROAD
LINES G, G1, G2, & G2A
SHEET NO. 34
OF 38 SHTS.
FOR: [Blank] W.O. COUNTY FILE NO. 925-A

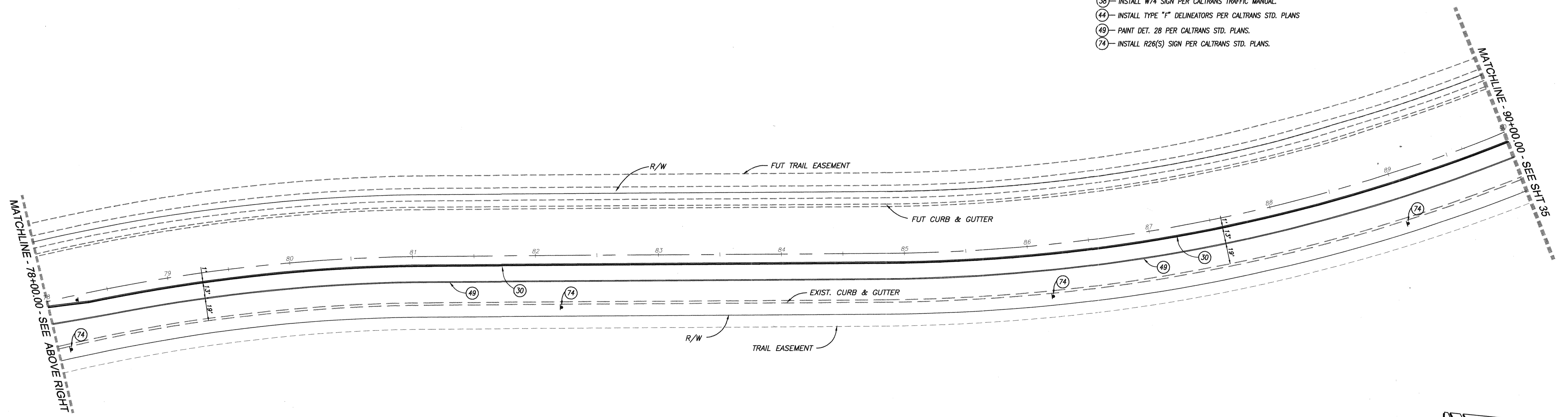


SIGNAGE AND STRIPING NOTES:

1. TRAFFIC STRIPES, PAVEMENT MARKINGS AND RAISED PAVEMENT MARKERS PER CALTRANS TRAFFIC MANUAL, STANDARD PLANS AND SPECIFICATIONS, LATEST EDITION.
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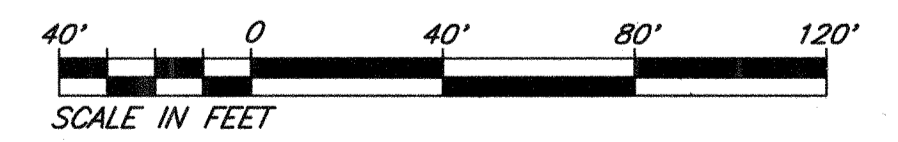
CONSTRUCTION NOTES

- (23) - INSTALL THERMOPLASTIC LIMITLINE AND THERMOPLASTIC "STOP" PAVEMENT MARKINGS WITH R1 STOP SIGN
- (24) - INSTALL R1 SIGN PER CALTRANS STD. PLANS.
- (30) - PAINT 4" WIDE SOLID WHITE EDGE LINE PER CALTRANS DETAIL #27 B.
- (31) - APPLY THERMOPLASTIC (LEFT OR RIGHT) DIRECTIONAL ARROW PER CALTRANS STD A24B TYPE III.
- (32) - APPLY THERMOPLASTIC TYPE IV LEFT ARROW PER CALTRANS TRAFFIC MANUAL.
- (33) - PAINT DET. 12 PER CALTRANS STD. PLANS.
- (34) - PAINT DET. 38 PER CALTRANS STD. PLANS.
- (35) - INSTALL TRAFFIC CONTROL MARKER W75 PER CALTRANS TRAFFIC MANUAL.
- (36) - INSTALL TRAFFIC CONTROL MARKER W26 PER CALTRANS TRAFFIC MANUAL.
- (37) - INSTALL R7 & R10 TYPE N SIGN PER CALTRANS TRAFFIC MANUAL.
- (38) - INSTALL W74 SIGN PER CALTRANS TRAFFIC MANUAL.
- (44) - INSTALL TYPE "F" DELINEATORS PER CALTRANS STD. PLANS.
- (49) - PAINT DET. 28 PER CALTRANS STD. PLANS.
- (74) - INSTALL R26(S) SIGN PER CALTRANS STD. PLANS.



TRIOLOGY PARKWAY

AS-BUILT PLAN
 CORRECTIONS NOTED 2/23/04
 SIGNATURE: *[Signature]*



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DATE	BY	MARK	REVISIONS	APPR.	DATE

SEAL-COUNTY

COUNTY OF RIVERSIDE
 TRANSPORTATION DEPARTMENT
 APPROVED BY:

 KHALID A. OTHMAN DATE: 11/4/02
 RECOMMENDED-BOYLE ENGINEERING DATE:

SEAL

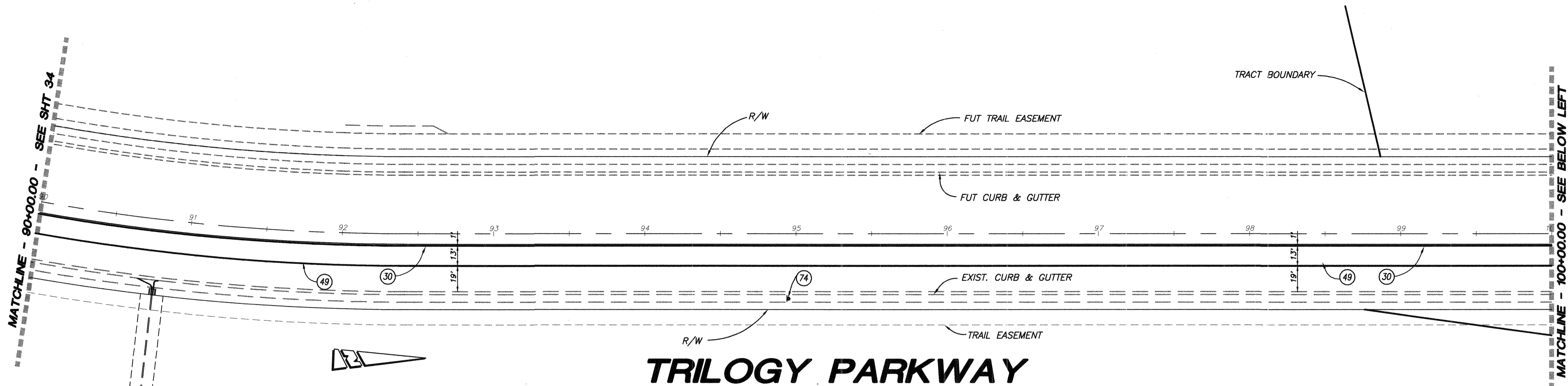
The Keith Companies **TKC**
 22690 Coactus Avenue, Suite 300 Moreno Valley, CA 92553-9024 (909) 653-0234
 PREPARED BY:
 R.C.E. NO. 45920
 DATE: 2/1/02

BENCHMARK:
 SEE SHEET 1
 DATE PREPARED: FEBRUARY 2002
 SCALE: VERT:

PP#16044 IP#000090
 COUNTY OF RIVERSIDE
 STREET IMPROVEMENT PLANS
 TRIOLOGY PARKWAY
 INTERIM STRIPING
 GOLF COURSE PLOT PLAN
 FOR: SHEA HOMES W.O. 31519.000 COUNTY FILE NO.

SHEET NO. **34**
 OF **39** SHETS.

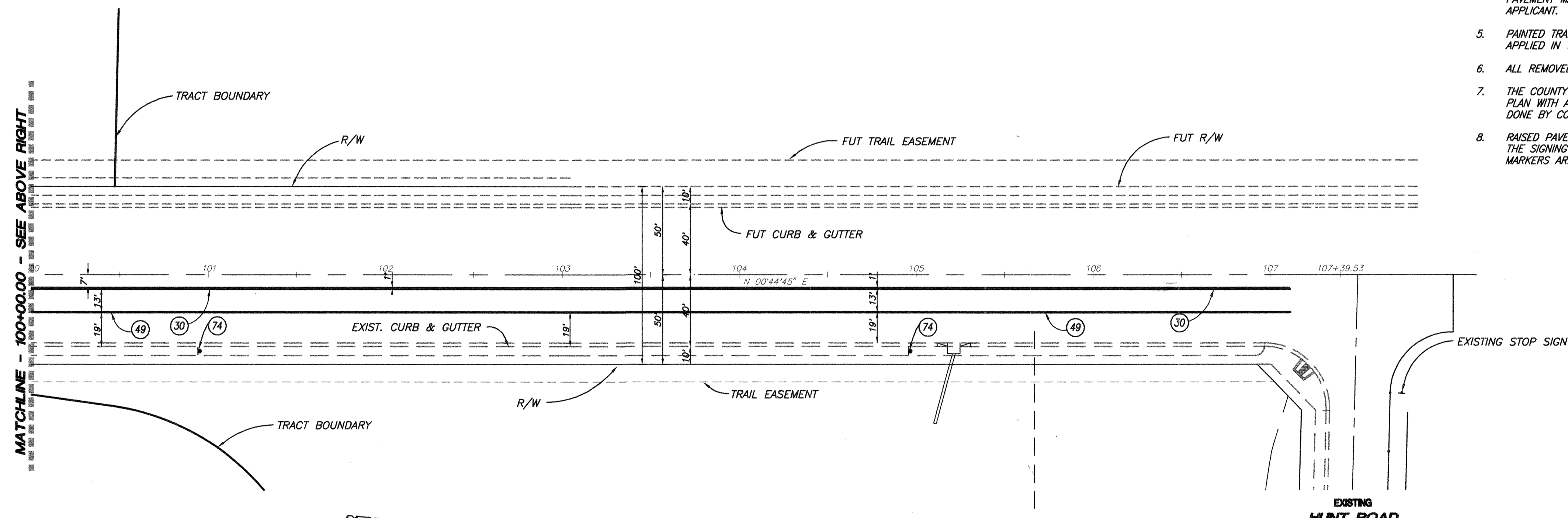
925-A



TRILOGY PARKWAY

SIGNAGE AND STRIPING NOTES:

1. TRAFFIC STRIPES, PAVEMENT MARKINGS AND RAISED PAVEMENT MARKERS PER CALTRANS TRAFFIC MANUAL, STANDARD PLANS AND SPECIFICATIONS, LATEST EDITION.
2. ALL SIGNS SHALL BE STANDARD SIZE UNLESS OTHERWISE NOTED ON PLANS. SIGNS SHALL BE ON 4"x4" WOOD POSTS WITH ANCHOR BLOCKS UNLESS OTHERWISE NOTED ON THE PLANS.
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TRILOGY PARKWAY

CONSTRUCTION NOTES AND QUANTITIES ESTIMATE:

- (30) - PAINT 4" WIDE SOLID WHITE EDGE LINE PER CALTRANS DETAIL #27 B.
- (49) - PAINT DET 28 PER CALTRANS STD. PLANS.
- (74) - INSTALL R26(S) SIGN PER CALTRANS STD. PLANS.

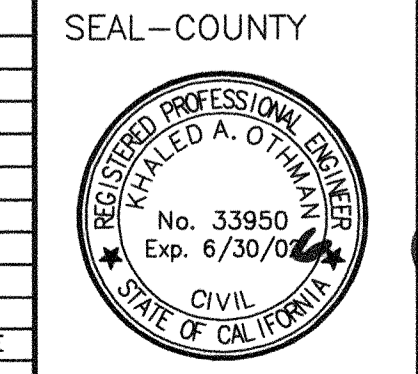


AS-BUILT PLAN
CORRECTIONS NOTED 2/23/02
SIGNATURE: *[Signature]*

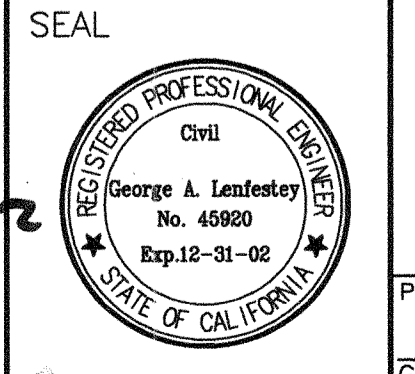
NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR GRADING PERMIT HAS BEEN ISSUED.

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DATE	BY	MARK	REVISIONS	APPR.	DATE



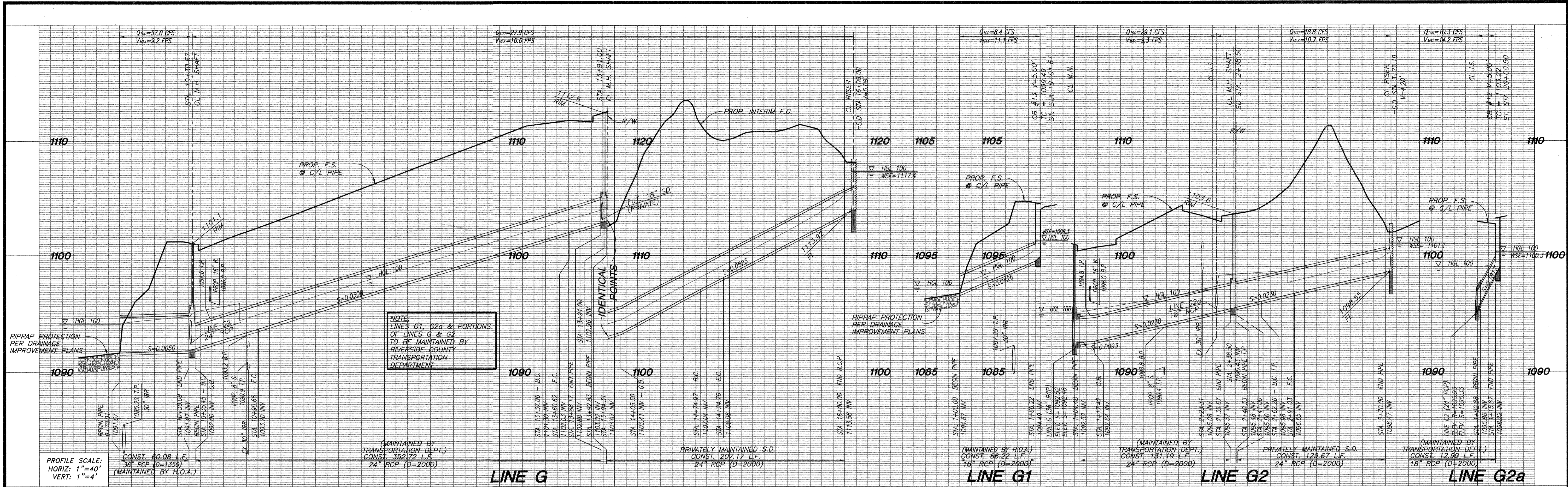
SEAL-COUNTY
COUNTY OF RIVERSIDE
TRANSPORTATION DEPARTMENT
APPROVED BY:
[Signature] 11/14/02
KHALED A. OTHMAN DATE:
RECOMMENDED-BOYLE ENGINEERING DATE:



The Keith Companies **TKC**
22890 Cactus Avenue, Suite 300 Moreno Valley, CA 92553-9024 (909) 653-0234
PREPARED BY: *[Signature]* R.C.E. NO. 45920
GEORGE A. LENFESTEY DATE: 1/1/02

BENCHMARK:
SEE SHEET 1
DATE PREPARED: FEBRUARY 2002
SCALE:
HOR: VERT:

PP#16044 IP#000090
COUNTY OF RIVERSIDE
STREET IMPROVEMENT PLANS
TRILOGY PARKWAY
INTERIM STRIPING
GOLF COURSE PLOT PLAN
FOR: SHEA HOMES W.O. 31519.000 COUNTY FILE NO.
SHEET NO. 35
OF 39 SHTS.



NOTE:
LINES G1, G2a & PORTIONS
OF LINES G & G2
TO BE MAINTAINED BY
RIVERSIDE COUNTY
TRANSPORTATION
DEPARTMENT

(MAINTAINED BY
TRANSPORTATION DEPT.)
CONST. 60.08 L.F.
36" RCP (D=2000)
(MAINTAINED BY H.O.A.)

PRIVATELY MAINTAINED S.D.
CONST. 207.17 L.F.
18" RCP (D=2000)

(MAINTAINED BY H.O.A.)
CONST. 66.22 L.F.
18" RCP (D=2000)

(MAINTAINED BY
TRANSPORTATION DEPT.)
CONST. 123.67 L.F.
24" RCP (D=2000)

PRIVATELY MAINTAINED S.D.
CONST. 123.67 L.F.
24" RCP (D=2000)

(MAINTAINED BY
TRANSPORTATION DEPT.)
CONST. 12.99 L.F.
18" RCP (D=2000)

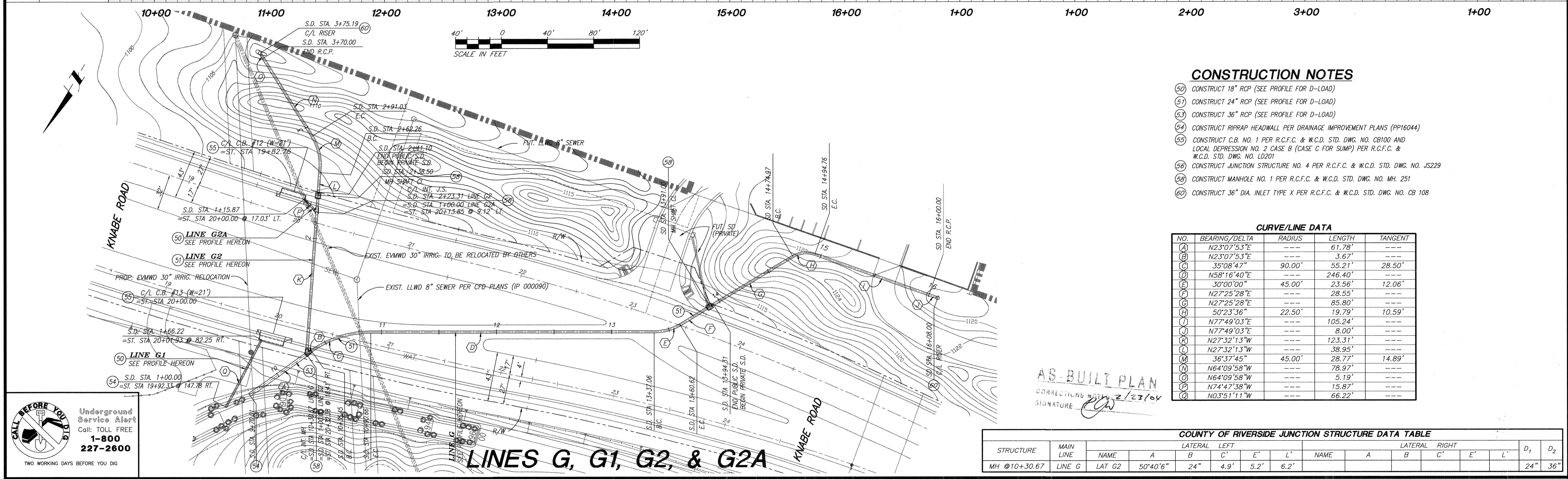
PROFILE SCALE:
HORIZ: 1"=40'
VERT: 1"=4'

LINE G

LINE G1

LINE G2

LINE G2a



CONSTRUCTION NOTES

- (50) CONSTRUCT 18" RCP (SEE PROFILE FOR D-LOAD)
- (51) CONSTRUCT 24" RCP (SEE PROFILE FOR D-LOAD)
- (53) CONSTRUCT 36" RCP (SEE PROFILE FOR D-LOAD)
- (54) CONSTRUCT RIPRAP HEADWALL PER DRAINAGE IMPROVEMENT PLANS (PP16044)
- (55) CONSTRUCT C.B. NO. 1 PER R.C.F.C. & W.C.D. STD. DWG. NO. CB100 AND LOCAL DEPRESSION NO. 2 CASE B (CASE C FOR SUMP) PER R.C.F.C. & W.C.D. STD. DWG. NO. LD201
- (56) CONSTRUCT JUNCTION STRUCTURE NO. 4 PER R.C.F.C. & W.C.D. STD. DWG. NO. JS229
- (58) CONSTRUCT MANHOLE NO. 1 PER R.C.F.C. & W.C.D. STD. DWG. NO. MH. 251
- (60) CONSTRUCT 36" DIA. INLET TYPE X PER R.C.F.C. & W.C.D. STD. DWG. NO. CB 108

CURVE/LINE DATA

NO.	BEARING/DELTA	RADIUS	LENGTH	TANGENT
(A)	N23°07'53"E	---	61.78'	---
(B)	N23°07'53"E	---	3.67'	---
(C)	35°08'47"	90.00'	55.21'	28.50'
(D)	N58°16'40"E	---	246.40'	---
(E)	30°00'00"	45.00'	23.56'	12.06'
(F)	N27°25'28"E	---	28.55'	---
(G)	N27°25'28"E	---	85.80'	---
(H)	50°23'36"	22.50'	19.79'	10.59'
(I)	N77°49'03"E	---	105.24'	---
(J)	N77°49'03"E	---	8.00'	---
(K)	N27°32'13"W	---	123.31'	---
(L)	N27°32'13"W	---	38.95'	---
(M)	36°37'45"	45.00'	28.77'	14.89'
(N)	N64°09'58"W	---	78.97'	---
(O)	N64°09'58"W	---	5.19'	---
(P)	N74°47'38"W	---	15.87'	---
(Q)	N03°51'11"W	---	66.22'	---

AS-BUILT PLAN
CORRECTIONS ONLY 2/23/04
SIGNATURE: [Signature]

CALL BEFORE YOU DIG
Underground Service Alert
Call: TOLL FREE
1-800-227-2600
TWO WORKING DAYS BEFORE YOU DIG

STRUCTURE	MAIN LINE	LATERAL LEFT					LATERAL RIGHT					D ₁	D ₂			
		NAME	A	B	C	E'	L'	NAME	A	B	C			E'	L'	
MH @10+30.67	LINE G	LAT G2	50°40'6"	24"	4.9'	5.2'	6.2'								24"	36"

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DATE	BY	MARK	REVISIONS	APPR.	DATE	COUNTY

SEAL-COUNTY
COUNTY OF RIVERSIDE
TRANSPORTATION DEPARTMENT
APPROVED BY:
[Signature] 3/9/01
[Signature] 3-6-01

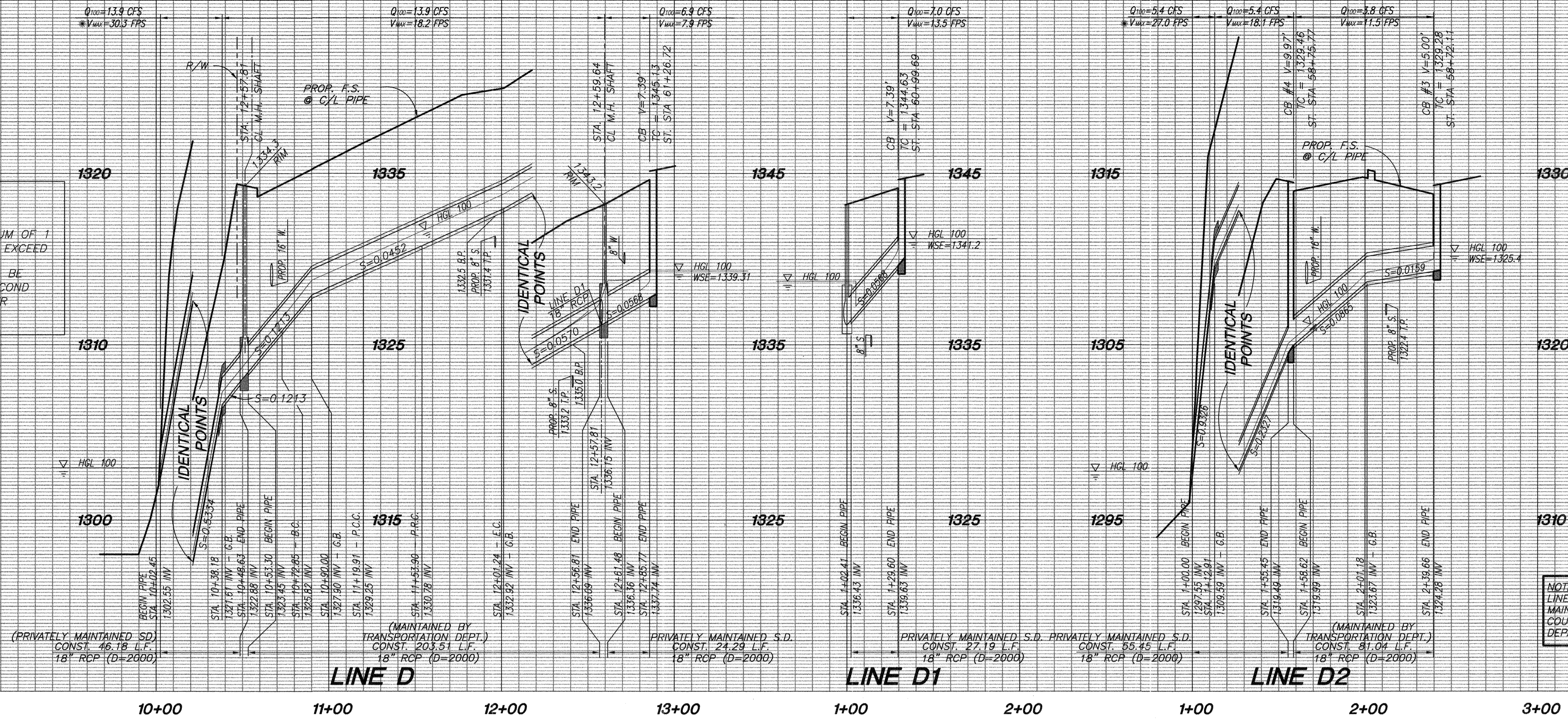
SEAL
REGISTERED PROFESSIONAL ENGINEER
Civil
Ned J. Araljo
No. 057835
Exp. 6-30-02
The Keith Companies **TKC**
22690 Cortez Avenue, Suite 300 Moreno Valley, CA 92553-0224 (909) 653-0234
PREPARED BY: [Signature] R.C.E. NO. 57835
NED J. ARAUJO DATE: 3/1/01

BENCHMARK:
SEE SHEET 1
DATE PREPARED: SEPTEMBER 2000
SCALE: HOR: 1" = 40' VERT:

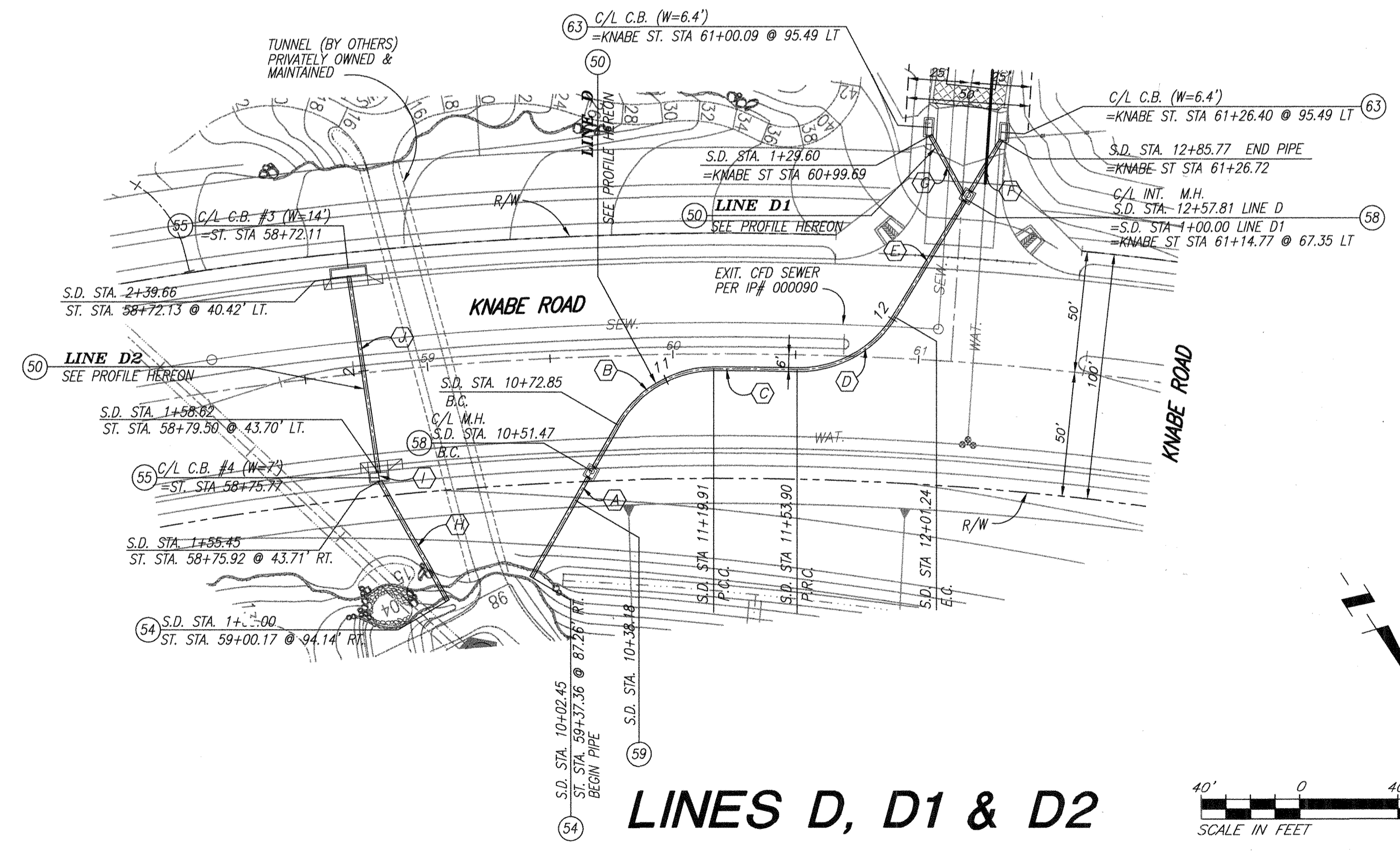
PP16044 IP#000090
COUNTY OF RIVERSIDE
STORM DRAIN PLANS
TRIOLOGY
KNABE ROAD
LINES G, G1, G2, & G2A
SHEET NO. **36**
OF **39** SHTS.
FOR: W.O. COUNTY FILE NO. **925-A**

*** SPECIAL PIPES**
 THE CONCRETE COVER ON THE INSIDE OF ALL REINFORCED CONCRETE PIPES MUST BE INCREASED TO PROVIDE A MINIMUM OF 1 1/2" OVER THE REINFORCING WHEN THE DESIGN VELOCITIES EXCEED 20 FEET PER SECOND. THE CONCRETE DESIGN STRENGTH IN THESE REACHES SHALL BE F_c = 5,000 PSI FOR VELOCITIES EXCEEDING 20 FEET PER SECOND AND F_c = 6,000 PSI FOR VELOCITIES EXCEEDING 30 FEET PER SECOND.

PROFILE SCALE:
 HORIZ: 1"=40'
 VERT: 1"=4'



NOTE:
 LINES D & D2 TO BE MAINTAINED BY RIVERSIDE COUNTY TRANSPORTATION DEPARTMENT

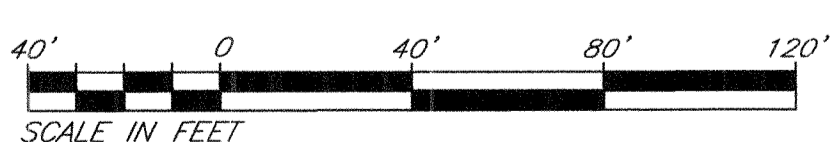


- CONSTRUCTION NOTES**
- 50 - CONSTRUCT 18" RCP (SEE PROFILE FOR D-LOAD)
 - 54 - CONSTRUCT RIPRAP HEADWALL PER DRAINAGE IMPROVEMENT PLANS (PP16044)
 - 55 - CONSTRUCT C.B. NO. 1 PER R.C.F.C. & W.C.D. STD. DWG. NO. CB100 AND LOCAL DEPRESSION NO. 2 CASE B (CASE C FOR SUMP) PER R.C.F.C. & W.C.D. STD. DWG. NO. LD201
 - 58 - CONSTRUCT MANHOLE NO. 1 PER R.C.F.C. & W.C.D. STD. DWG. NO. MH. 251
 - 59 - CONST. CONC. COLLAR PER R.C.F.C. & W.C.D. STD. DWG. NO. MB03
 - 62 - CONSTRUCT JUNCTION STRUCTURE NO. 3 PER R.C.F.C. STD. DWG. NO. JS228
 - 63 - CONSTRUCT C.B. NO. 4 PER R.C.F.C. & W.C.D. STD. DWG. NO. CB101 AND LOCAL DEPRESSION NO. 2 CASE B (CASE C FOR SUMP) PER R.C.F.C. & W.C.D. STD. DWG. NO. LD201

CURVE/LINE DATA

NO.	BEARING/Delta	RADIUS	LENGTH	TANGENT
(A)	N65°53'36"E	---	70.40'	---
(B)	59°54'53"	45.00'	47.06'	25.94'
(C)	01°23'50"	1393.99'	33.99'	17.00'
(D)	60°16'45"	45.00'	47.34'	26.13'
(E)	N66°55'34"E	---	56.57'	---
(F)	N66°55'34"E	---	27.95'	---
(G)	N06°55'34"E	---	29.60'	---
(H)	N05°59'04"E	---	55.45'	---
(I)	N27°23'45"E	---	3.17'	---
(J)	N27°23'45"E	---	81.04'	---

LINES D, D1 & D2



CALL BEFORE YOU DIG
 Underground Service Alert
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 TWO WORKING DAYS BEFORE YOU DIG

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DATE	BY	MARK	REVISIONS	APPR.	DATE

SEAL-COUNTY

COUNTY OF RIVERSIDE
 TRANSPORTATION DEPARTMENT
 APPROVED BY: *[Signature]* 3/9/01

RECOMMENDED BY: *[Signature]* 3-6-01

SEAL

REGISTERED PROFESSIONAL ENGINEER
 Civil
 Ned J. Araujo
 No. 057835
 Exp. 6-30-02

The Keith Companies **TKC**
 22890 Coactus Avenue, Suite 300 Moreno Valley, CA 92553-9024 (909) 653-0234

PREPARED BY: *[Signature]* R.C.E. NO. 57835
 DATE: 3/1/01

BENCHMARK:
 SEE SHEET 1

DATE PREPARED: SEPTEMBER 2000

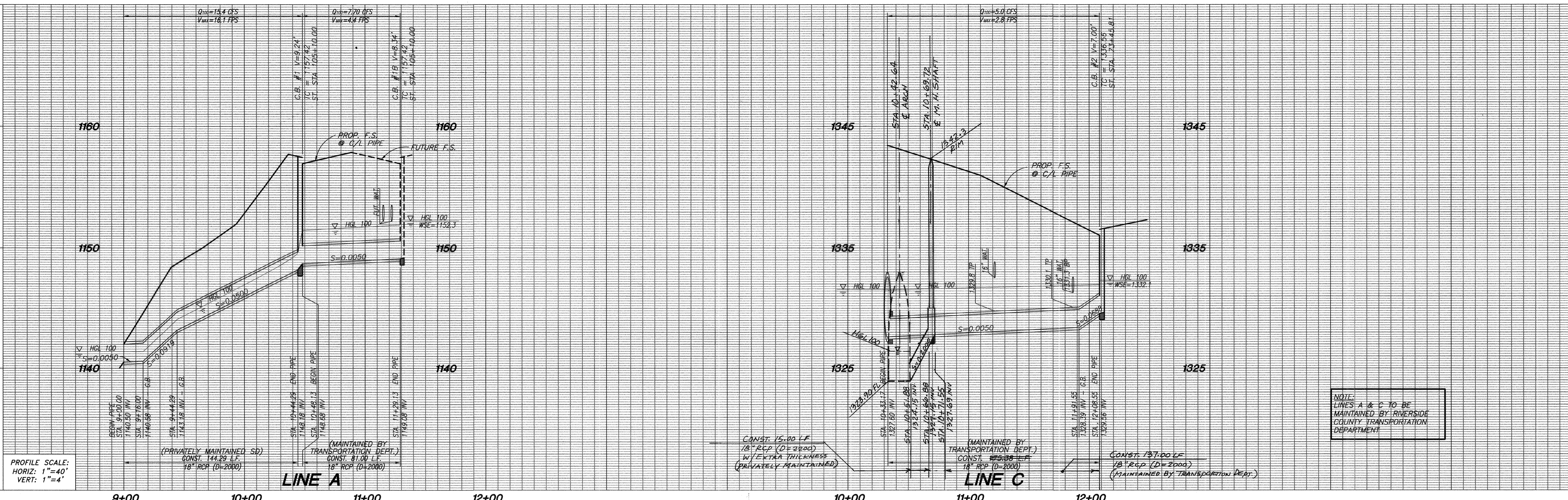
SCALE:
 HOR: 1" = 40' VERT: 1" = 4'

AS-BUILT PLAN
 CORRECTIONS NOTED 2/23/01
 SIGNATURE: *[Signature]*

PP16044-IP#000090
 COUNTY OF RIVERSIDE
 STORM DRAIN PLANS
TRILOGY
 KNABE ROAD
LINES D, D1 & D2

SHEET NO. **38**
 OF **39** SHTS.

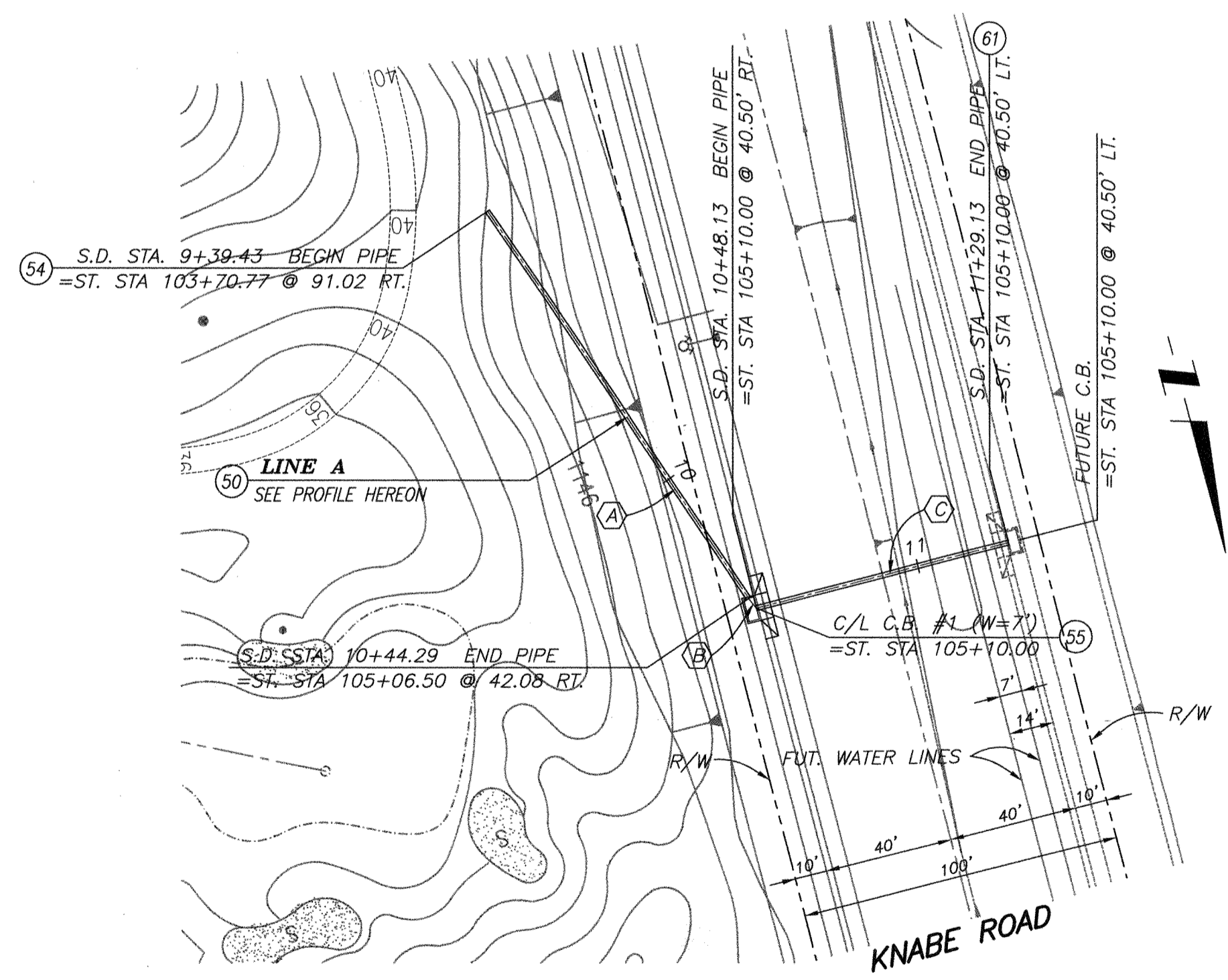
COUNTY FILE NO. **925-A**



NOTE:
LINES A & C TO BE
MAINTAINED BY RIVERSIDE
COUNTY TRANSPORTATION
DEPARTMENT

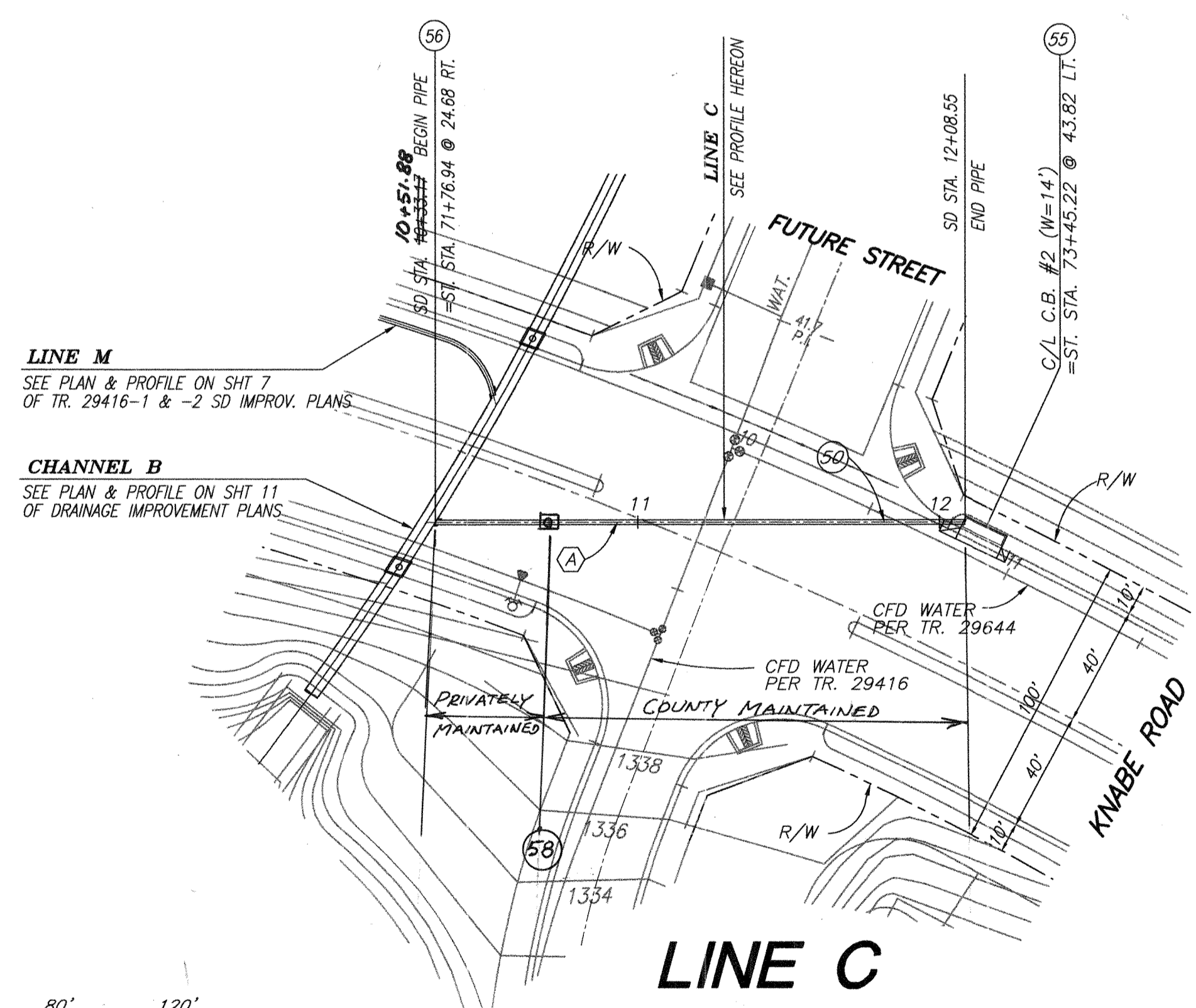
PROFILE SCALE:
HORIZ: 1"=40'
VERT: 1"=4'

9+00 10+00 11+00 12+00 10+00 11+00 12+00



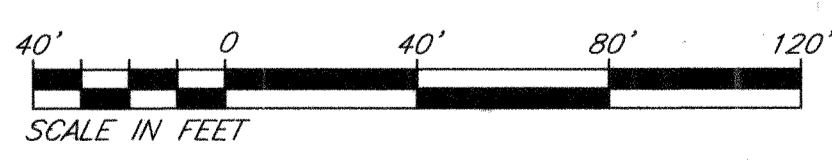
LINE A

NO.	BEARING/DELTA	RADIUS	LENGTH	TANGENT
(A)	N19°04'53"W	---	144.29'	---
(B)	N23°35'51"W	---	3.84'	---
(C)	N89°15'23"W	---	81.00'	---



LINE C

NO.	BEARING/DELTA	RADIUS	LENGTH	TANGENT
(A)	N25°48'03"W	---	175.71'	---



CONSTRUCTION NOTES

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- (56) - CONSTRUCT JUNCTION STRUCTURE NO. 4 PER R.C.F.C. & W.C.D. STD. DWG. NO. JS229
- (58) - CONSTRUCT MANHOLE NO. 1 PER R.C.F.C. & W.C.D. STD. NO. MH 251
- (61) - CONSTRUCT CONCRETE BULKHEAD PER R.C.F.C. & W.C.D. STD. NO. MB16

AS-BUILT PLAN

CORRECTIONS NOTED 2/23/04
SIGNATURE: [Signature]

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TWO WORKING DAYS BEFORE YOU DIG

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DATE	BY	MARK	REVISIONS	APPR.	DATE

SEAL-COUNTY
COUNTY OF RIVERSIDE
TRANSPORTATION DEPARTMENT
APPROVED BY: [Signature]
KHALED A. OTHMAN
3/9/01
DATE: 3-6-01

SEAL
REGISTERED PROFESSIONAL ENGINEER
Civil
Ned J. Araujo
No. 057835
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PREPARED BY: [Signature] R.C.E. NO. 57835
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PP16044-IP#000090
COUNTY OF RIVERSIDE
STORM DRAIN PLANS
TRILOGY
KNABE ROAD
LINE A & LINE C
SHEET NO. **39**
OF 39 SHTS.
FOR: W.O. COUNTY FILE NO. **925-A**

