Appendix K

Hydrology and Hydraulics Study

Preliminary Hydrology and Hydraulics Study

for

South El Monte Athletic Fields and Business Park

825 Lexington-Gallatin Road

South El Monte, CA

JUNE 2025 | PRELIMINARY

Prepared for:
MVP SOUTH EL MONTE I, LLC.
C/O Magellan Value Partners
1900 Avenue Of The Stars, Suite 2470
Los Angeles, CA 90067

Prepared By:

Kimley»Horn

KHA Project # 194550001
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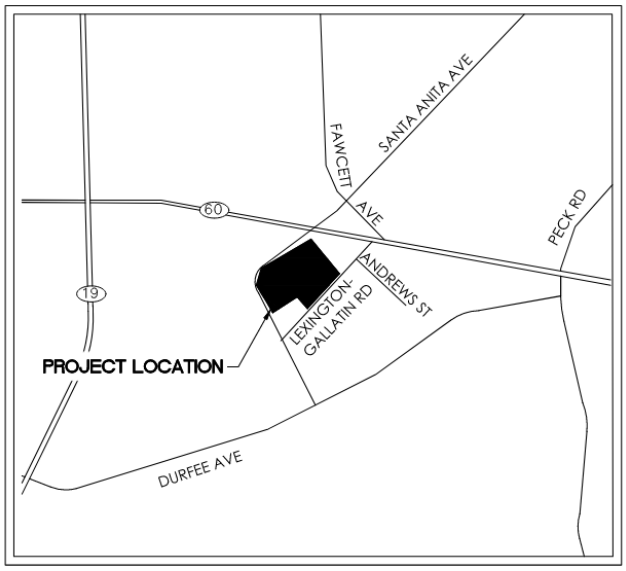
INTRODUCTION

PROJECT DESCRIPTION AND PURPOSE

The proposed industrial warehouse at 825 Lexington-Gallatin Road (hereinafter referenced as the Project) is located on the North corner of Santa Anita Ave and Lexington-Gallatin Road in the City of South El Monte, CA in Los Angeles County. The project is bound by Santa Anita Ave to the West and North, Lexington-Gallatin Road to the South, and an adjacent owned property by the US Government to the East. The Project consists of one 221,815 SF Industrial building on a total site area of 10.45 acres. The proposed Project is for an industrial warehouse in addition to planning for a future park that would be funded by the City of El Monte at a date in the future. The proposed Industrial warehouse consists of parking stalls, loading docks, landscape, and drive aisles. The project site is zoned for commercial use but would be going through a change in zoning to allow for industrial use.

Figure 1: Project Site Location



VICINITY MAP NOT TO SCALE

PROJECT SITE CONDITIONS

EXISTING SITE (PRE-DEVELOPMENT) CONDITIONS

In the existing condition, the site is all undeveloped land with fair vegetative cover (50-75% Vegetated cover). The site is utilized as an additional stormwater storage basin as part of a large flowage easement for the Army Corps of Engineers.

The site generally slopes Southeast to the Northwest corner via surface flow and natural swales. The existing water ponds on-site until it eventually tops over to Santa Ana Avenue, ultimately finding its way to

Legg Lake to the West. Eventually the water will make its way down through the Whittier Narrows Park and towards the Dam.

The 50-year storm depth and soil type for the existing site were determined using the Los Angeles County Department of Public Works hydraulic analysis maps. Refer to **Appendix A** for LA County Hydraulic Analysis Unit research and findings.

PROPOSED SITE (POST-DEVELOPMENT) CONDITIONS

The proposed site development includes an industrial development with parking lots, hardscape, and landscape. A portion of the overall site will be dedicated to the city, by way of easement or in-fee for a future park, and be used as additional stormwater storage for the Whittier Narrows Park/Dam. Under the proposed conditions, the drainage pattern will continue to drain to the Northwest portion of the site. However, there will be a new storm drain connection added along the 90" RCP pipe owned and maintained by LACFCD. The connection may implement a flap gate to mitigate backwater from the 90-inch pipe entering the future park. Additional investigation as part final design of construction documents, will be conducted to determine if a flap gate best serves to this project to limit the backwater due to the 90-inch pipe hydraulic grade line.

Prior to leaving the proposed industrial warehouse project limits the stormwater will be treated via two proposed proprietary biotreatment devices, Wetland Mods (or approved equal), will treat up to the 85th percentile storm event as required by the County via volume-based design. Initially, water enters the drainage system through an inlet/catch basin and is conveyed to the treatment system via a private storm drain line. Once the stormwater is treated it will then continue to a detention tank designed to mitigate the high event storm. The high-event storms will discharge into the proposed future park and will flow through a dedicated earthen channel that is isolated from the remaining future park. Eventually the channel will guide the stormwater from the proposed industrial warehouse project and make its way to the proposed 90" RCP-designed head wall and lateral.

LOW IMPACT DEVELOPMENT (LID)

A separate LID report was prepared by Kimley-Horn and Associates. Per the report, *the proposed (LID) system stormwater quality control measures and structural source measures are adequately designed and sized to accomplish the following:*

- *Capture and mitigate the SQWDv volume from the 85th percentile, 24-hour storm;*
- *On-site retention of captured volume by*
- *Prevent pollutants from contacting stormwater run-off and/or prevent discharge of contaminated stormwater run-off to storm drain system*

Grading Plans prepared By Kimley-Horn include the implementation of source control BMPs and water treatment devices. Two Wetland Mod units (or approved equal) are proposed for treatment, working in tandem for the entire drainage area. Storm water will routed to the two LID BMPs over 96 hours. The treated stormwater will discharge into the proposed future park and eventually make its way to the proposed 90" RCP-designed inlet.

The Geotechnical Report, prepared by Southern California Geotechnical, Inc., states that the proposed site falls within a historical liquefaction zone along with high groundwater. Infiltration has been determined to be infeasible.

Hydromodification was deemed not applicable to the project since the proposed condition has a direct discharge into a maintained LACFCD stormwater 90" RCP pipe.

PRECIPITATION

Precipitation values for the hydrologic analysis were determined from site-specific precipitation frequency estimates per the Los Angeles County Hydrology Map. For this site, the 50-year, 24-hour storm precipitation depth of 5.96 inches was used. Hydrocalc was used to calculate the 50-year, 24-hr post-development flows. See **Appendix A.**

SOIL TYPES

The Natural Resources Conservation Service (NRCS) has classified soils into four general hydrologic groups for comparing infiltration and runoff rates. This Project Site has a hydrologic soil group classification of A and B. Group A Soils have a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well-drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission. Group B Soils have a moderate infiltration rate when thoroughly wet and consist largely of sand and sandy loam with minimal amounts of clay. These soils have a moderately low runoff potential. Soil Types 003 and 006 underlie the Site based on GIS soil type data from the LA County Hydrology Map. See **Appendix B** for Soil Maps.

LAND USE

The existing site was utilized for commercial use (C) and will be redeveloped for manufacturing use in the proposed condition. The proposed project site is zoned M, which is intended to provide and encourage the development of industrial uses while mitigating impacts to surrounding properties. The principal permitted uses within the manufacturing zone (M) include manufacturing, warehousing, wholesaling, laboratories/commercial testing, petroleum refining, water treatment, public utility facilities, and other compatible uses within the community.

FEMA MAPPING

The project site is covered by FEMA Flood Insurance Rate Map (FIRM) Number 06037C1670F. The project area does not fall within a FEMA-mapped special flood hazard area. The site is classified as Zone X, which is an area of Minimal Flood Hazard. The effective FIRMETTE is dated September 26, 2008 and is provided in **Appendix C.** However, based on the Geotechnical report, prepared by Southern California Geotechnical, Inc., states that the proposed site falls within a historical liquefaction zone along with high groundwater.

HYDROLOGIC ANALYSIS

METHODOLOGY

The design criteria for the hydrologic calculations for this project have been conducted per requirements as outlined in the Los Angeles County Department of Publics Works Hydrology Manual (January 2006).

A 50-year storm event (the Capital Flood level of protection) was used to model the peak flow rates due to the site's sump condition necessary to treat the 50-year storm. The proposed Project was modeled using a C value based on the calculated impervious/pervious areas of the site. The County's HydroCalc software was utilized to determine the peak flow rates and time of concentration for the project. The site has been

modeled with detailed drainage sub-areas to obtain accurate, final-level results. Refer to the hydrology maps in **Appendix D** for the drainage management area boundaries. The HydroCalc calculations are included in this report as **Appendix E**.

Hydraulic calculations were performed for the main storm drains, utilizing Flowmaster, a software program developed by Bentley. The software utilizes Manning's equation to determine flow based on friction slopes for design. A friction slope of 0.4% was used to determine the full flow capacity each storm drain assuming they are run at a minimum slope of 0.3%. The friction slope of the pipe was set to 0.4% to resemble the HGL of the pipe at a minimum slope of 0.3%. See **Table 1** below. The onsite storm drains were sized based on the calculated 50-yr flows being conveyed compared to the pipe capacity. The Pipe Sizing calculations are located in **Appendix F.**

An allowable discharge of 0.82 cfs/acre was issued by Los Angeles County Flood Control District located in **Appendix F.**

RESULTS AND CONCLUSIONS

Table 1. Pipe & Channel Sizing Table

Pipe/Channel Size	Material	Capacity at 0.4% Friction Slope
6" Pipe	HDPE (n=0.011)	0.42 CFS
8" Pipe	HDPE (n=0.011)	0.90 CFS
12" Pipe	HDPE (n=0.011)	2.66 CFS
18" Pipe	HDPE (n=0.011)	7.85 CFS
24" Pipe	HDPE (n=0.011)	16.91 CFS
30" Pipe	HDPE (n=0.011)	30.66 CFS
4' Bottom Channel	Natural w/ Grass (n=0.030)	12.29 CFS **(@1.0% Slope)**

Table 2. Existing vs Proposed Condition Flow Comparison

Scenario	Area	Impervious Area	Tc	Q_{50}
Allowable Discharge into 90" RCP	**21.14 AC**	-	-	**17.33 CFS**
Proposed DMA 1 Unrestricted	9.88 AC	93%	11 min	21.63 CFS
Proposed DMA 1 Restricted POND PACK	-	-	-	**8.10 CFS**
Proposed DMA 2	11.26 AC	16%	20 min	**8.26 CFS**
Proposed Combined	**21.14**	-	-	**16.36 CFS**

The purpose of this study is to ensure that the Project does not significantly increase the amount of flow that exits the site and enters the existing system. Table 2 compares the allowable discharge flows, provided by LACFCD, versus proposed condition entering the proposed future inlet structure into the LACFCD maintained 90" RCP obtained through HydroCalc.

Due to the limitations in Hydrocalc, an adjusted DMA was calculated to compare a more realistic time of concentration. DMA 1 was initially analyzed as just surface sheet flow with a Tc of 5 min. A 3.5 CFS average

was used to determine the TC within the storm drain pipe and it came out to roughly 5.9 min. A Tc of 11 min was used to determine what the adjusted peak flow would be of DMA 1 before entering the detention tank. The proposed DMA 1 detention tank is fitted with a compound outlet system to allow for varying max flows at the various storms for hydromod. The future park's, DMA 2, new proposed peak flow was also analyzed. Since the park is unable to detain any flow due to its nature, DMA 1 was designed to detain below the remaining Q-allowable after DMA 2. DMA 1 would only be able to release 9.2 CFS to remain under the LACFCD's Q-allowable. As shown in Table 2 above, the flow gathered from pondpack is 8.1 CFS. A 4' wide bottom trapezoidal earthly channel was provided in the park to isolate the proposed industrial warehouse flows from the future park flows.

Refer to the hydrology maps in **Appendix D** for drainage distribution and existing catch basin locations. Pipe sizing and peak flow calculations are in **Appendix E**.

The purpose of this study was also to ensure that the Project does not decrease the amount of stormwater storage that the existing conditions have for the use of the Corps. As the site is all within a flowage easement, the project must dictate that finished grade elevations much have the same water storage at 1-foot intervals as existing grade. Although the building elevation is required to be raised at an elevation higher than the emergency spillway elevation, the park portion of the project is being cut to maintain or improve the storage. **Table 3** below compares both surfaces at each foot pond elevation step to ensure that the proposed condition increases the total stormwater storage located on-site.

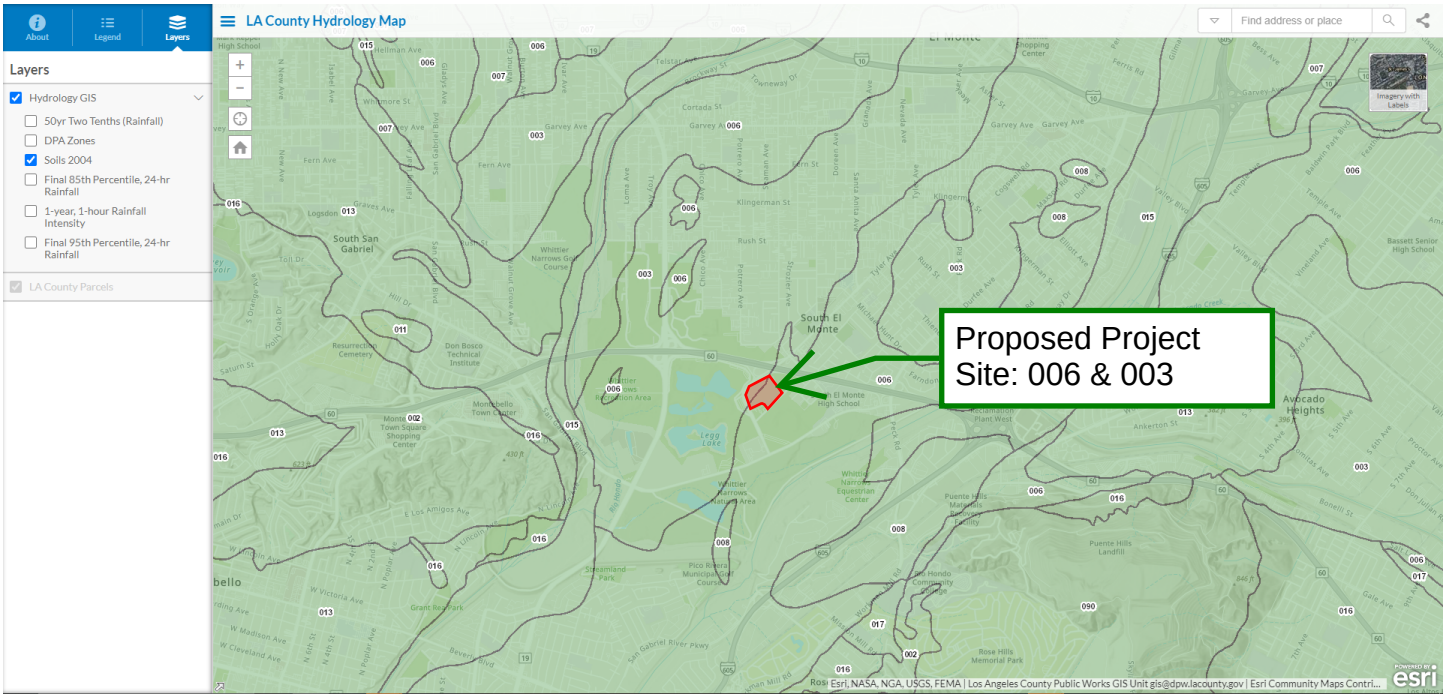
Table 3. US Army Corps Existing vs Proposed 1-Foot Pond Elevation Storage

Pond Elevation	Finished Grade Volume (CY)	Existing Grade Volume (CY)
211	0	0
212	25	0
213	518	0
214	2535	0
215	6741	0
216	13857	0
217	23753	0
218	36033	19
219	50547	1390
220	66548	7095
221	83049	17642
222	99843	32348
223	116869	53087
224	134154	81216
225	152048	112880
226	173590	145982
227	197180	179553
228	222347	213258
229	248482	247064

APPENDIX A

ISOHYET MAP

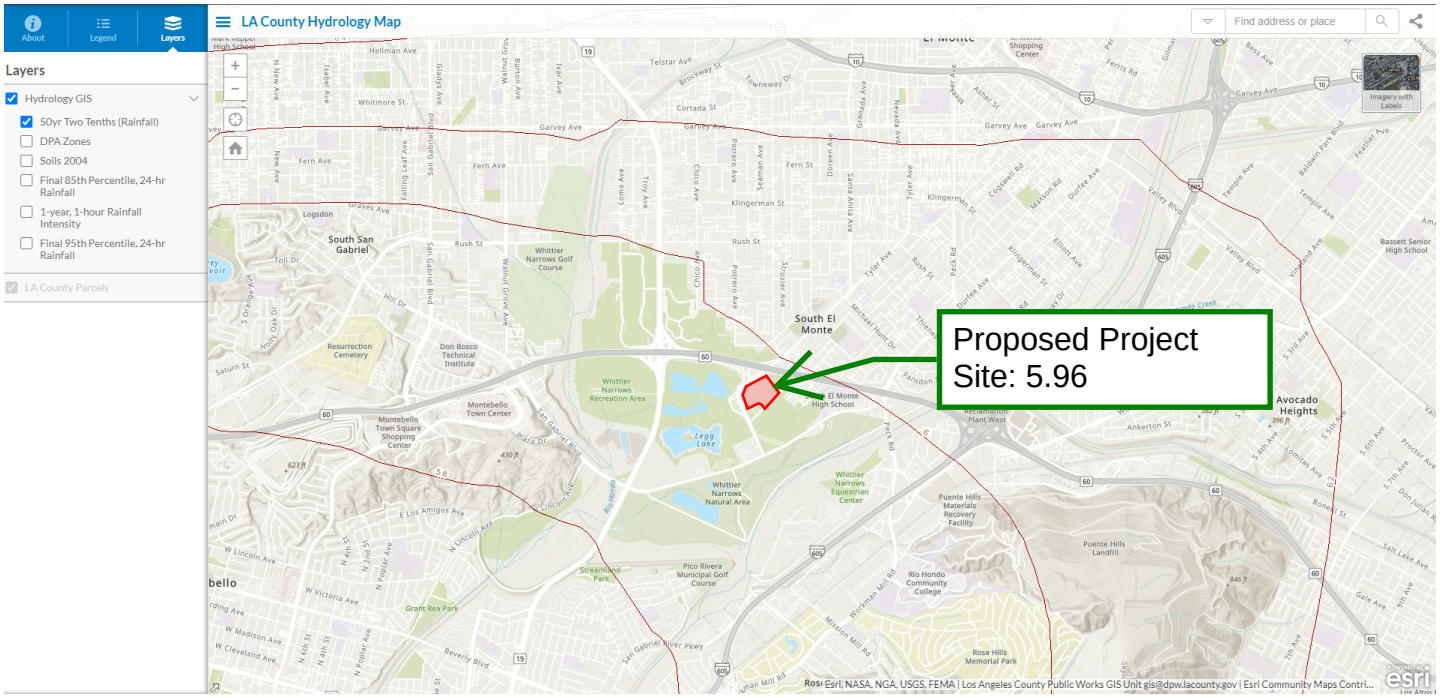
LA County Hydrology GIS Map
Soil Type



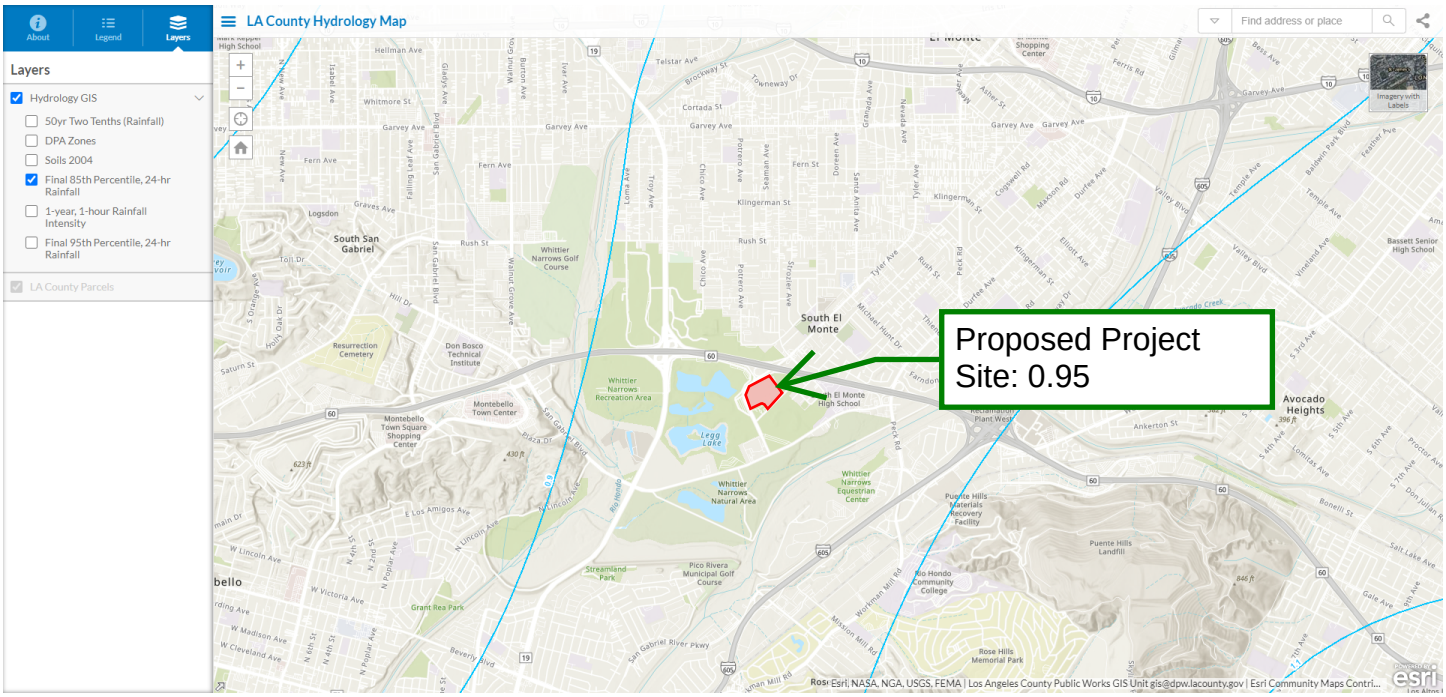
Soil 003 - Chino Silt Loam
(Original Name: CS-1)

Soil 006 - Hanford Fine Sandy Loam
(Original Name: HF-1)

LA County Hydrology GIS Map
50-Year Depths



LA County Hydrology GIS Map
85th Percentile Depths



APPENDIX B

SOIL TYPE

Map Scale: 1:3,040 if printed on A landscape (11" x 8.5") sheet.

N

Meters: 0 45 90 180 270

Feet: 0 100 200 400 600

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 11N WGS84

MAP LEGEND

Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Rating Polygons

A

A/D

B

B/D

C

C/D

D

Not rated or not available

Soil Rating Lines

A

A/D

B

B/D

C

C/D

D

Not rated or not available

Soil Rating Points

A

A/D

B

B/D

C

C/D

D

Not rated or not available

Water Features

Streams and Canals

Transportation

Rails

Interstate Highways

US Routes

Major Roads

Local Roads

Background

Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Los Angeles County, California, Southeastern Part
Survey Area Data: Version 10, Aug 30, 2023

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Apr 14, 2022—Apr 23, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Hydrologic Soil Group

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
1007	Urban land-Biscailuz-Pico complex, 0 to 2 percent slopes	B	5.9	28.1%
1008	Urban land-Pico-Metz complex, 0 to 2 percent slopes	A	15.3	71.9%
Totals for Area of Interest			**21.2**	**100.0%**

Description

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The soils in the United States are assigned to four groups (A, B, C, and D) and three dual classes (A/D, B/D, and C/D). The groups are defined as follows:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas. Only the soils that in their natural condition are in group D are assigned to dual classes.

Rating Options

Aggregation Method: Dominant Condition

Component Percent Cutoff: None Specified

Tie-break Rule: Higher

APPENDIX C

FIRMette

National Flood Hazard Layer FIRMette

FEMA

118°3'27"W 34°2'27"N

118°2'49"W 34°1'57"N

Feet

0 250 500 1,000 1,500 2,000

1:6,000

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 / 17.5 Cross Sections with 1% Annual Chance / Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

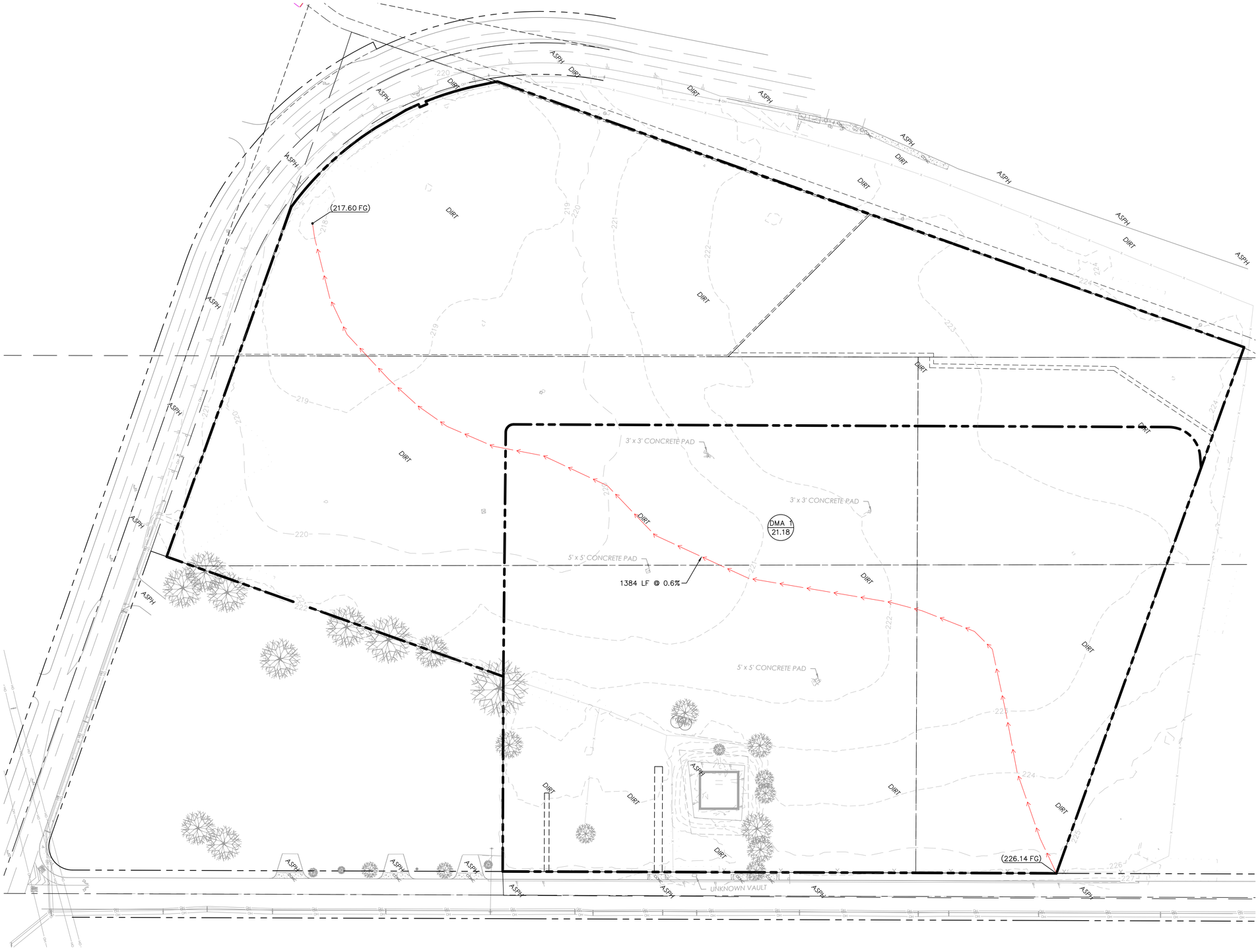
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 4/25/2024 at 7:22 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

APPENDIX D

HYDROLOGY MAPS



LEGEND

- DRAINAGE BOUNDARY
- PROPERTY LINE
- STREET CENETERLINE
- RIDGE LINE
- DIRECTION OF WATER FLOW
- XXX — NODE
- FLOW PATH
- DMA ID / ACRES — DRAINAGE MANAGEMENT AREA LABEL

FLOOD ZONE

FLOOD ZONE X : AREA OF MINIMAL FLOOD HAZARD (06037C0816G)

EXISTING UTILITY NOTE

THE EXISTING UTILITIES SHOWN ON THE PLAN ARE BASED ON AVAILABLE RECORDS. THE CONTRACTOR MUST FIELD DETERMINE THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO ANY CONSTRUCTION. REPORT DISCREPANCIES AND POTENTIAL CONFLICTS WITH PROPOSED UTILITIES TO ENGINEER PRIOR TO INSTALLATION OF ANY PIPING.

Plotted By:Gutierrez, Kevin Sheet Set:Kha Layout:EXISTING H&H MAP September 12, 2024 05:45:03pm K:\ORA_LDEV\194550001 - Whittier Narrows - South El Monte - Lexington Rd\CAD\Exhibits\Hydrology\Existing Hydrology Exhibit.dwg
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No.	REVISIONS	DATE	BY

Kimley»Horn
© 2023 KIMLEY-HORN AND ASSOCIATES, INC.
1100 TOWN AND COUNTRY ROAD SUITE 700
ORANGE, CA 92868
(714) 939-1030
WWW.KIMLEY-HORN.COM

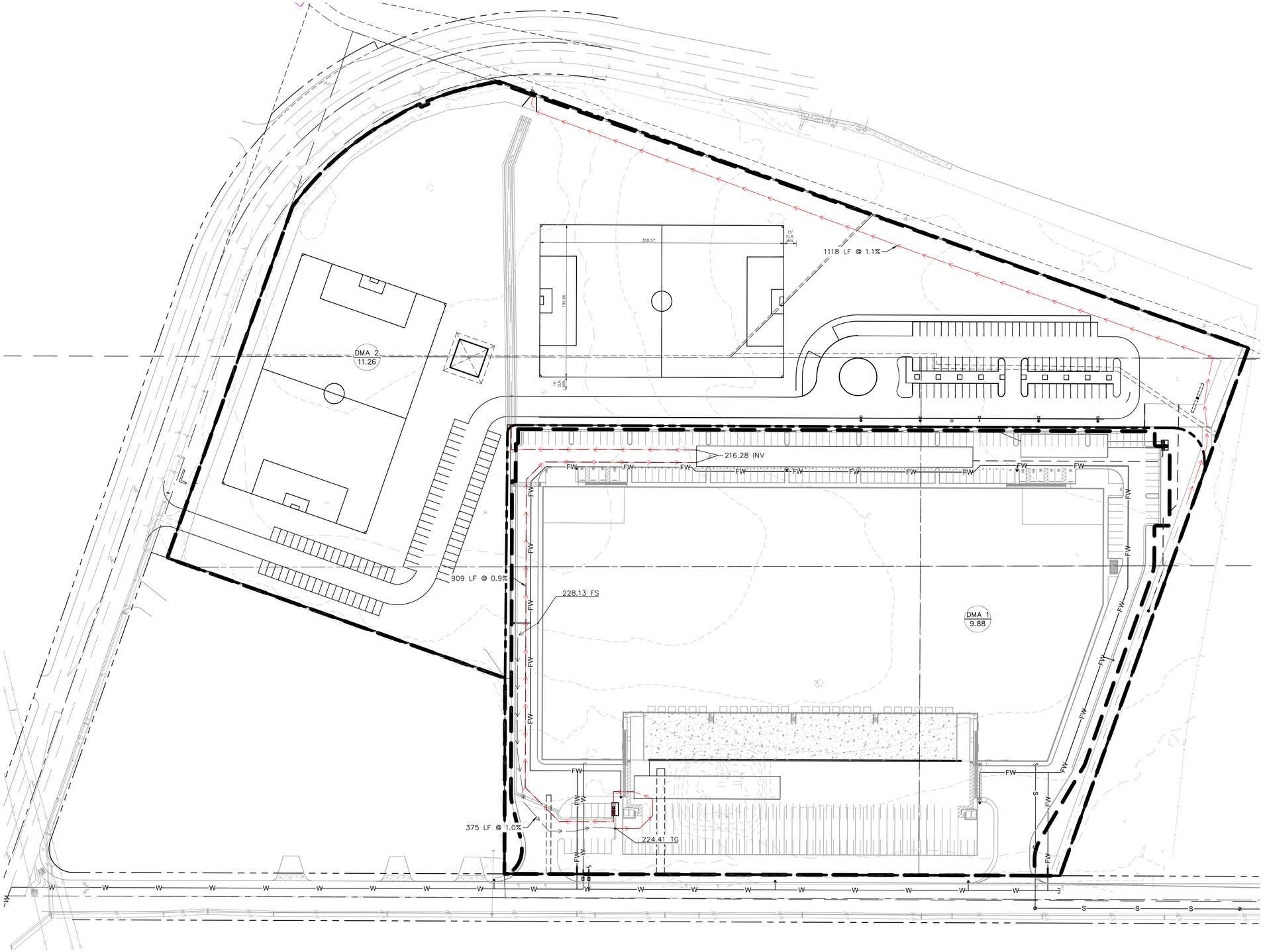
KHA PROJECT	194550001
DATE	9/12/2024
SCALE	AS SHOWN
DESIGNED BY	HS
DRAWN BY	EA
CHECKED BY	HS

SOUTH EL MONTE ATHLETIC FIELDS AND BUSINESS PARK
PREPARED FOR
MVP SOUTH EL MONTE I, LLC
CITY OF SOUTH EL MONTE CA

REGISTERED PROFESSIONAL ENGINEER — KEVIN M. HUNTER — NOT FOR CONSTRUCTION — CIVIL — STATE OF CALIFORNIA

EXISTING HYDROLOGY EXHIBIT

SHEET NUMBER 1 OF 2



LEGEND

- DRAINAGE BOUNDARY
- PROPERTY LINE
- STREET CENETERLINE
- RIDGE LINE (R)
- DIRECTION OF WATER FLOW
- NODE (XXX)
- FLOW PATH
- DRAINAGE MANAGEMENT AREA LABEL (DMA ID / ACRES)

FLOOD ZONE

FLOOD ZONE X : AREA OF MINIMAL FLOOD HAZARD (06037C0816G)

EXISTING UTILITY NOTE

THE EXISTING UTILITIES SHOWN ON THE PLAN ARE BASED ON AVAILABLE RECORDS. THE CONTRACTOR MUST FIELD DETERMINE THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO ANY CONSTRUCTION. REPORT DISCREPANCIES AND POTENTIAL CONFLICTS WITH PROPOSED UTILITIES TO ENGINEER PRIOR TO INSTALLATION OF ANY PIPING.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
180 EAST OCEAN BLVD.SUITE 1200
LONG BEACH, CA 90802
(562) 549 -2200
WWW.KIMLEY-HORN.COM

KHA PROJECT	194550001
DATE	6/18/2025
SCALE	AS SHOWN
DESIGNED BY	KG
DRAWN BY	KG/JM
CHECKED BY	HS

SOUTH EL MONTE ATHLETIC FIELDS AND BUSINESS PARK

PREPARED FOR
MVP SOUTH EL MONTE I, LLC

CITY OF SOUTH EL MONTE CA

REGISTERED PROFESSIONAL ENGINEER HUNTER C. CIVIL STATE OF CALIFORNIA — NOT FOR CONSTRUCTION

PROPOSED HYDROLOGY EXHIBIT

SHEET NUMBER 1 OF 2

Plotted By:Gutierrez, Kevin Sheet Set:Kha Layout:PROPSOED H&H MAP June 18, 2025 - 05:42:59pm K:\ORA_LDEV\194550001 - Whittier Narrows – South El Monte – Lexington Rd\CAD\Exhibit\Hydrology\Proposed Hydrology Exhibit.dwg
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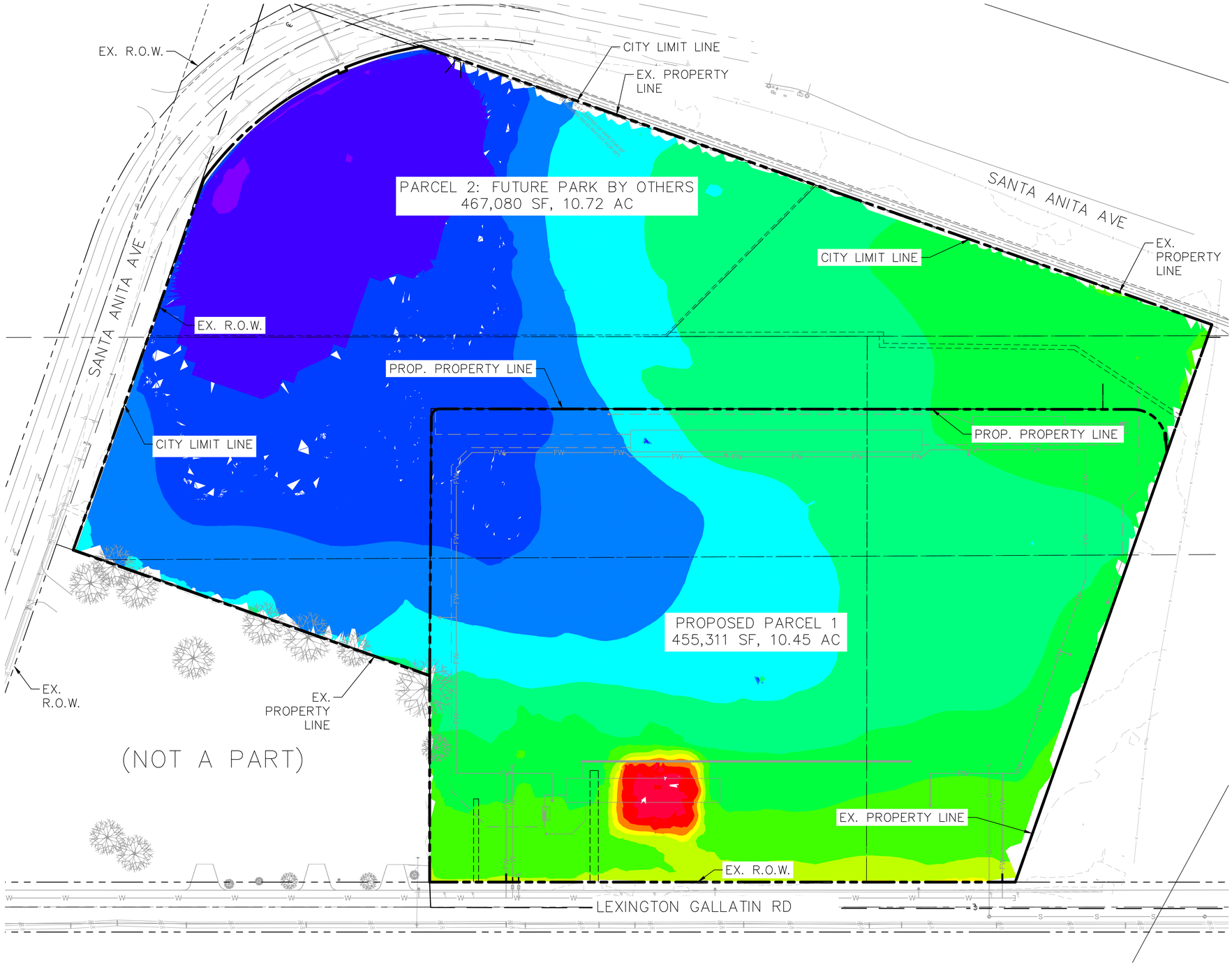

LEGEND

- PROPERTY LINE
- CENTER LINE
- EASEMENT OR SETBACK LINE
- LIMIT OF GRADING
- CIVIL LIMIT OF WORK LINE
- DEEPENED FOOTING (DF) OR STEM WALL (SW)
- GB — GRADE BREAK LINE
- R — RIDGE LINE
- FLOW LINE
- TOP / TOE — 2:1 SLOPE (MAX)
- XX.XX TC / XX.XX FS — PROPOSED SPOT GRADE
- (XX.XX TC) / (XX.XX FS) — EXISTING SPOT GRADE
- 2.00% — PROPOSED FLOW (DIRECTION AND SLOPE)
- ×+X.XX — FILL HEIGHT
- ×−X.XX — CUT DEPTH

Elevations Table

Number	Pond Elevation	Area	Color	Cumulative Volume
1	229	2786.32		247064
2	228	3390.10		213258
3	227	1956.80		179553
4	226	1959.04		145982
5	225	15460.83		112880
6	224	56097.56		81216
7	223	141614.18		53087
8	222	221114.11		32348
9	221	116984.61		17642
10	220	116270.40		7095
11	219	131342.96		1390
12	218	162856.02		19
13	217	1881.21		0

NORTH

GRAPHIC SCALE IN FEET
0 30 60 120
1" = 60'

811 Know what's below. Call 811 before you dig.

No.	REVISIONS	DATE	BY

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PHONE: 714-939-1030 FAX: 714-938-9488
WWW.KIMLEY-HORN.COM

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KHA PROJECT PROJ #	
DATE	DATE
SCALE	AS SHOWN
DESIGNED BY	----
DRAWN BY	----
CHECKED BY	----

EXISTING GRADE VOLUME 1-FT INCREMENTS

LEXINGTON-GALLATIN WAREHOUSE
PREPARED FOR
MVP SOUTH EL MONTE I, LLC
CITY OF SOUTH EL MONTE CA

SHEET NUMBER
1 OF 2

Plotted By:Gutierrez, Kevin Sheet Set:Kha Layout:PRE September 12, 2024 05:45:48pm K:\ORA_LOEV\192455001 - Whittier Narrows - South El Monte - Lexington Rd\CAD\Exhibits\Hydrology\One Foot Elevations.dwg
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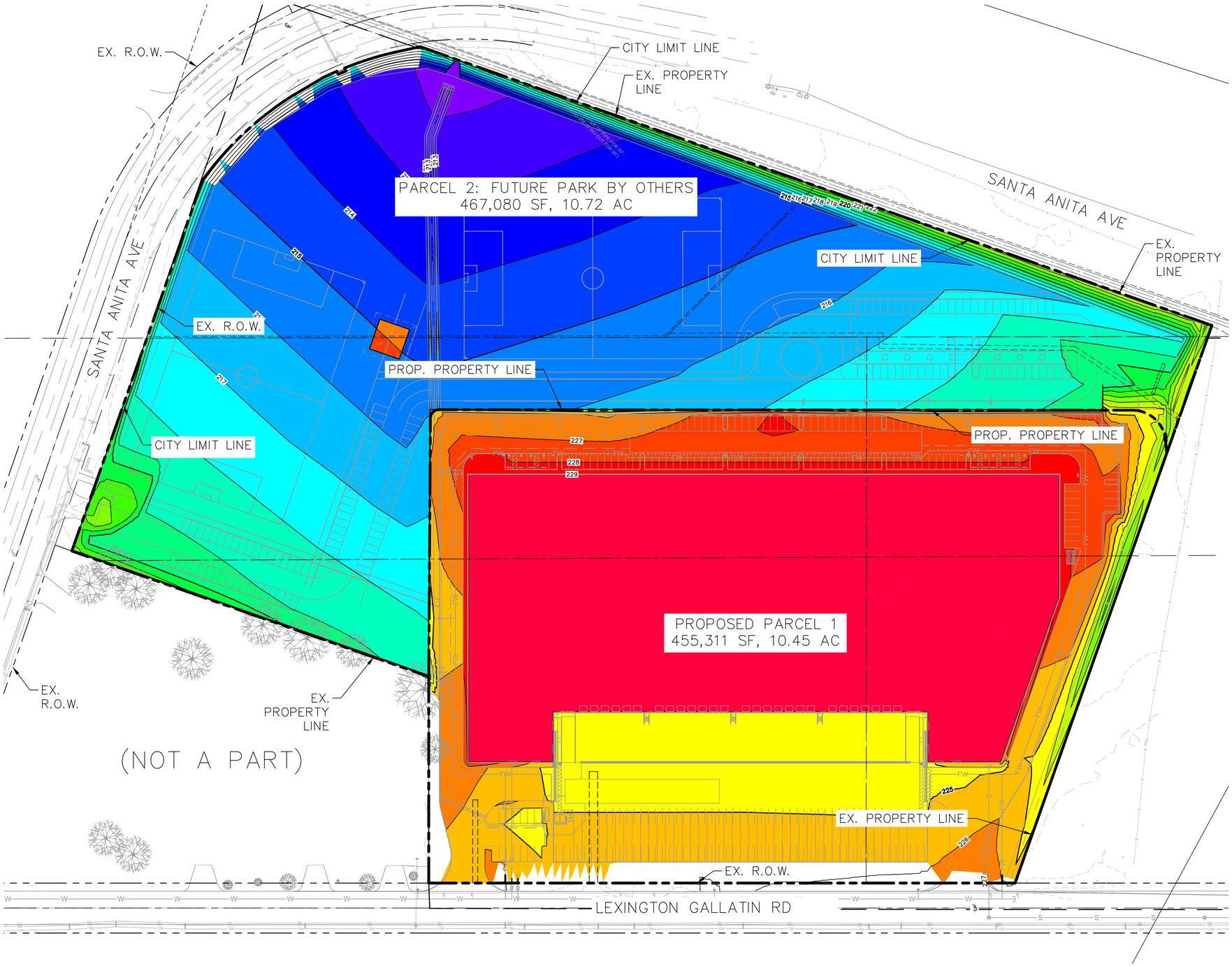

LEGEND

- PROPERTY LINE
- CENTER LINE
- EASEMENT OR SETBACK LINE
- LIMIT OF GRADING
- CIVIL LIMIT OF WORK LINE
- DEEPENED FOOTING (DF) OR STEM WALL (SW)
- GB — GRADE BREAK LINE
- R — RIDGE LINE
- FLOW LINE
- TOP / TOE — 2:1 SLOPE (MAX)
- XX.XX TC / XX.XX FS — PROPOSED SPOT GRADE
- (XX.XX TC) / (XX.XX FS) — EXISTING SPOT GRADE
- 2.00% — PROPOSED FLOW (DIRECTION AND SLOPE)
- ×+X.XX — FILL HEIGHT
- ×−X.XX — CUT DEPTH

Elevations Table

Number	Pond Elevation	Area	Color	Cumulative Volume
1	229	210597.53		248482
2	228	16602.35		222347
3	227	39110.36		197180
4	226	37385.40		173590
5	225	63765.00		152048
6	224	67225.56		134154
7	223	7492.49		116869
8	222	6180.25		99843
9	221	6937.23		83049
10	219	9150.28		66548
11	218	22800.80		50547
12	217	54017.99		36033
13	216	62071.14		23753
14	215	66554.88		13857
15	214	81421.61		6741
16	213	69981.44		2535
17	212	49606.53		518
18	211	26275.73		25
19	210	3557.37		0

GRAPHIC SCALE IN FEET
0 30 60 120
1" = 60'

Know what's below. Call 811 before you dig.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2024 KIMLEY-HORN AND ASSOCIATES, INC.
245 E. THIRD STREET,
LONG BEACH, CA 90802
PHONE: 714-939-1030 FAX: 714-938-9488
WWW.KIMLEY-HORN.COM

REGISTERED PROFESSIONAL ENGINEER — NOT FOR CONSTRUCTION — STATE OF CALIFORNIA

KHA PROJECT
PROJ #
DATE
DATE
SCALE AS SHOWN
DESIGNED BY
DRAWN BY
CHECKED BY

FINISHED GRADE VOLUME 1-FT INCREMENTS

LEXINGTON-GALLATIN WAREHOUSE
PREPARED FOR
MVP SOUTH EL MONTE I, LLC
CITY OF SOUTH EL MONTE CA

SHEET NUMBER
2 OF 2

Plotted By:Gutierrez, Kevin Sheet Set:Kha Layout:POST September 12, 2024 08:45:53pm K:\ORA_LDEV\194550001 — Whittier Narrows — South El Monte — Lexington Rd\CAD\Exhibits\Hydrology\One Foot Elevations.dwg
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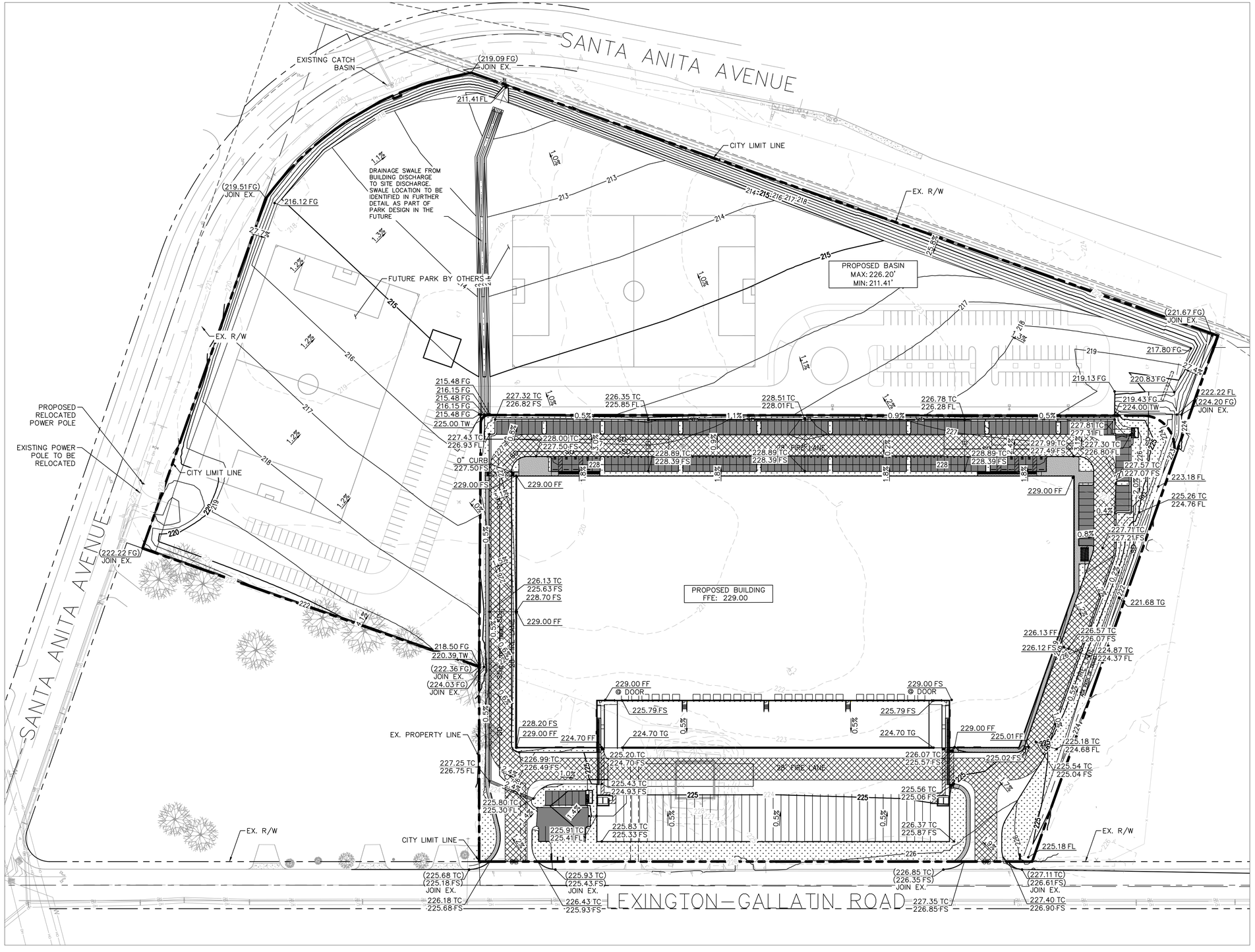

LEGEND

- CENTER LINE
- PROPERTY LINE
- EASEMENT LINE
- APPROXIMATE LIMITS OF PAD PREP LINE
- GB — GRADE BREAK LINE
- R — RIDGE LINE
- FLOW LINE
- SD — PROPOSED STORM DRAIN LINE
- TOP / TOE — 2:1 SLOPE (MAX)
- 49.50 TC / 49.00 FS — PROPOSED SPOT GRADE
- (49.50 TC) / (49.00 FS) — EXISTING SPOT GRADE
- 2.2% — PROPOSED FLOW (DIRECTION AND SLOPE)
- LANDSCAPE / PLANTER AREA
- X–X — SECTION
- ACCESSIBLE PATH OF TRAVEL
- DAYLIGHT LINE
- FIRELANE

NORTH

GRAPHIC SCALE IN FEET
0 30 60 120
HORIZONTAL
1" = 60'

Plotted By: KBussing, Kaylie Sheet Set: Kha Layout: 8 GRADING AND DRAINAGE PLAN (3) January 15, 2025 09:06:41am K:\ORA_LDEV\194550001 - Whittier Narrows - South El Monte - Lexington Rd\CAD\PlanSheets - ONSITE\E\Prelim\Conceptual Grading Plan.dwg
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No.	REVISIONS	DATE	BY

Kimley»Horn
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180 EAST OCEAN BLVD.SUITE 1200
LONG BEACH, CA 90802
(562) 549 -2200
WWW.KIMLEY-HORN.COM

KHA PROJECT	194550001
DATE	1/15/2025
SCALE	AS SHOWN
DESIGNED BY	KG
DRAWN BY	KG/JM
CHECKED BY	HS

SOUTH EL MONTE ATHLETIC FIELDS AND BUSINESS PARK
PREPARED FOR
MVP SOUTH EL MONTE I, LLC
CITY OF SOUTH EL MONTE CA

REGISTERED PROFESSIONAL ENGINEER HUNTER ** NOT FOR CONSTRUCTION CIVIL STATE OF CALIFORNIA

PRELIMINARY GRADING PLAN

SHEET NUMBER 1 OF 1

APPENDIX E

HYDROCALC CALCULATIONS

Peak Flow Hydrologic Analysis

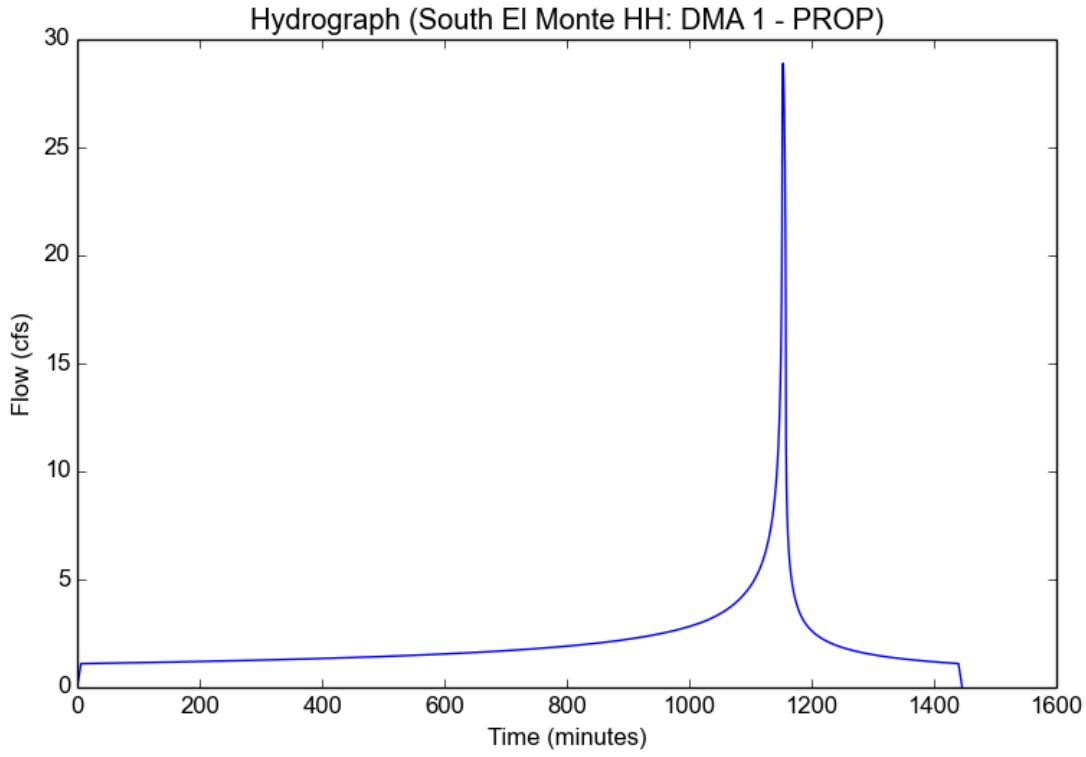
File location: K:/ORA_LDEV/194550001 - Whittier Narrows - South El Monte - Lexington Rd/Reports/H&H/Calculations/Hydrocalc/Prop/South El Monte H
Version: HydroCalc 1.0.3

Input Parameters

Project Name	South El Monte HH
Subarea ID	DMA 1 - PROP
Area (ac)	9.88
Flow Path Length (ft)	375.0
Flow Path Slope (vft/hft)	0.01
50-yr Rainfall Depth (in)	5.96
Percent Impervious	0.93
Soil Type	6
Design Storm Frequency	50-yr
Fire Factor	0
LID	False

Output Results

Modeled (50-yr) Rainfall Depth (in)	5.96
Peak Intensity (in/hr)	3.2639
Undeveloped Runoff Coefficient (Cu)	0.8408
Developed Runoff Coefficient (Cd)	0.8959
Time of Concentration (min)	6.0
Clear Peak Flow Rate (cfs)	28.8888
Burned Peak Flow Rate (cfs)	28.8888
24-Hr Clear Runoff Volume (ac-ft)	4.1466
24-Hr Clear Runoff Volume (cu-ft)	180628.0265



Peak Flow Hydrologic Analysis

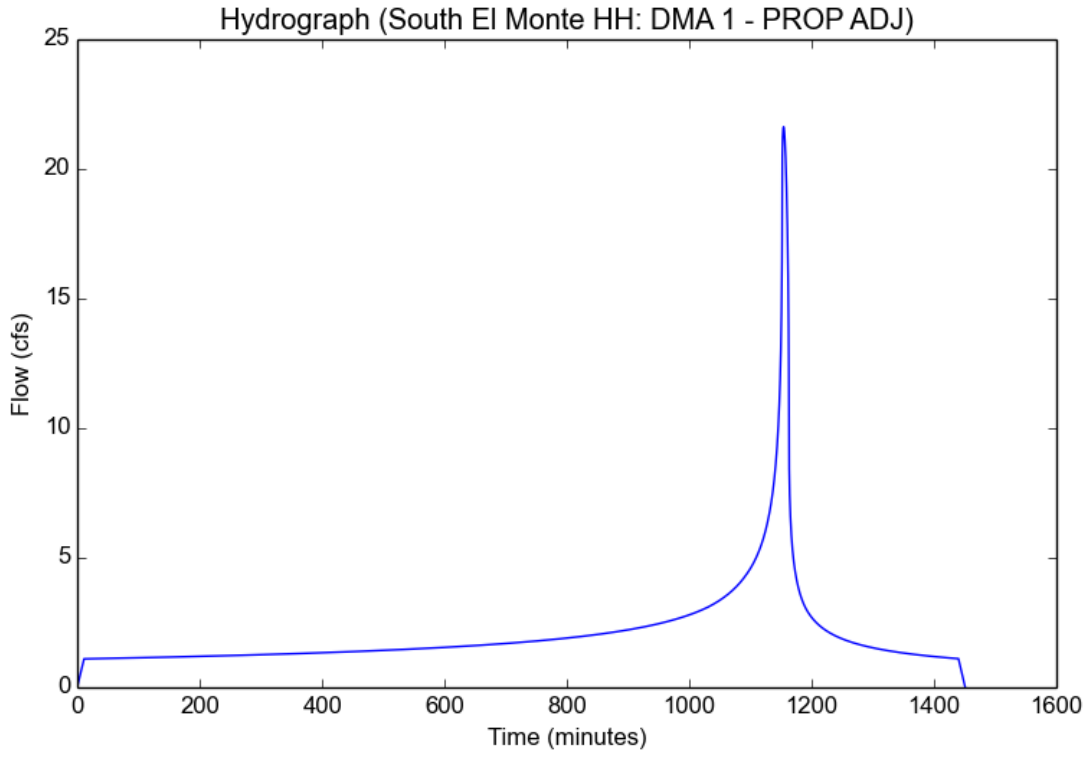
File location: K:/ORA_LDEV/194550001 - Whittier Narrows - South El Monte - Lexington Rd/Reports/H&H/Calculations/Hydrocalc/Prop/South El Monte H
Version: HydroCalc 1.0.3

Input Parameters

Project Name	South El Monte HH
Subarea ID	DMA 1 - PROP ADJ
Area (ac)	9.88
Flow Path Length (ft)	1284.0
Flow Path Slope (vft/hft)	0.017
50-yr Rainfall Depth (in)	5.96
Percent Impervious	0.93
Soil Type	6
Design Storm Frequency	50-yr
Fire Factor	0
LID	False

Output Results

Modeled (50-yr) Rainfall Depth (in)	5.96
Peak Intensity (in/hr)	2.4548
Undeveloped Runoff Coefficient (Cu)	0.7822
Developed Runoff Coefficient (Cd)	0.8918
Time of Concentration (min)	11.0
Clear Peak Flow Rate (cfs)	21.6278
Burned Peak Flow Rate (cfs)	21.6278
24-Hr Clear Runoff Volume (ac-ft)	4.1462
24-Hr Clear Runoff Volume (cu-ft)	180609.8531



Peak Flow Hydrologic Analysis

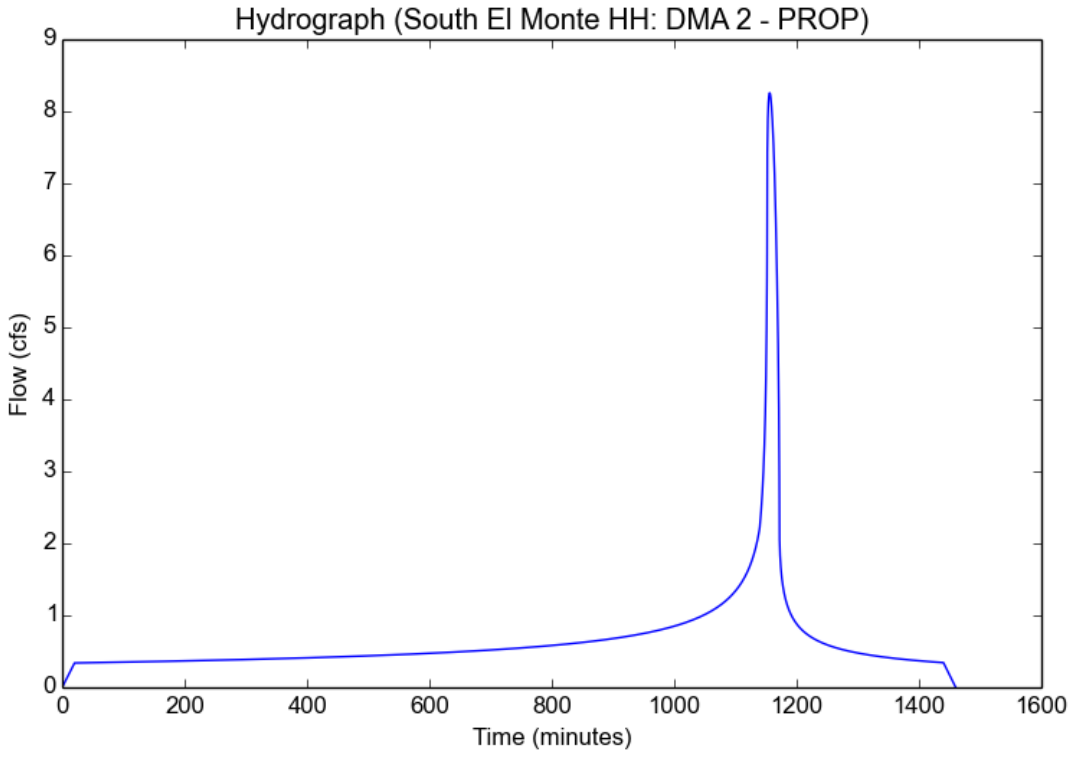
File location: K:/ORA_LDEV/194550001 - Whittier Narrows - South El Monte - Lexington Rd/Reports/H&H/Calculations/Hydrocalc/Prop/South El Monte H
Version: HydroCalc 1.0.3

Input Parameters

Project Name	South El Monte HH
Subarea ID	DMA 2 - PROP
Area (ac)	11.26
Flow Path Length (ft)	1118.0
Flow Path Slope (vft/hft)	0.011
50-yr Rainfall Depth (in)	5.96
Percent Impervious	0.16
Soil Type	3
Design Storm Frequency	50-yr
Fire Factor	0
LID	False

Output Results

Modeled (50-yr) Rainfall Depth (in)	5.96
Peak Intensity (in/hr)	1.8535
Undeveloped Runoff Coefficient (Cu)	0.2996
Developed Runoff Coefficient (Cd)	0.3956
Time of Concentration (min)	20.0
Clear Peak Flow Rate (cfs)	8.2571
Burned Peak Flow Rate (cfs)	8.2571
24-Hr Clear Runoff Volume (ac-ft)	1.3477
24-Hr Clear Runoff Volume (cu-ft)	58707.4654



APPENDIX F

Additional References

PIPE CALCS

Worksheet for Circular Pipe - 6 in

Project Description	
Friction Method	Manning Formula
Solve For	Full Flow Capacity

Input Data	
Roughness Coefficient	0.011
Channel Slope	0.004 ft/ft
Normal Depth	6.0 in
Diameter	6.0 in
Discharge	0.42 cfs

Results	
Discharge	0.42 cfs
Normal Depth	6.0 in
Flow Area	0.2 ft²
Wetted Perimeter	1.6 ft
Hydraulic Radius	1.5 in
Top Width	0.00 ft
Critical Depth	4.0 in
Percent Full	100.0 %
Critical Slope	0.007 ft/ft
Velocity	2.14 ft/s
Velocity Head	0.07 ft
Specific Energy	0.57 ft
Froude Number	(N/A)
Maximum Discharge	0.45 cfs
Discharge Full	0.42 cfs
Slope Full	0.004 ft/ft
Flow Type	Undefined

GVF Input Data	
Downstream Depth	0.0 in
Length	0.0 ft
Number Of Steps	0

GVF Output Data	
Upstream Depth	0.0 in
Profile Description	N/A
Profile Headloss	0.00 ft
Average End Depth Over Rise	0.0 %
Normal Depth Over Rise	0.0 %
Downstream Velocity	0.00 ft/s
Upstream Velocity	0.00 ft/s
Normal Depth	6.0 in
Critical Depth	4.0 in
Channel Slope	0.004 ft/ft
Critical Slope	0.007 ft/ft

Worksheet for Circular Pipe - 8 in

Project Description	
Friction Method	Manning Formula
Solve For	Full Flow Capacity

Input Data	
Roughness Coefficient	0.011
Channel Slope	0.004 ft/ft
Normal Depth	8.0 in
Diameter	8.0 in
Discharge	0.90 cfs

Results	
Discharge	0.90 cfs
Normal Depth	8.0 in
Flow Area	0.3 ft²
Wetted Perimeter	2.1 ft
Hydraulic Radius	2.0 in
Top Width	0.00 ft
Critical Depth	5.4 in
Percent Full	100.0 %
Critical Slope	0.006 ft/ft
Velocity	2.59 ft/s
Velocity Head	0.10 ft
Specific Energy	0.77 ft
Froude Number	(N/A)
Maximum Discharge	0.97 cfs
Discharge Full	0.90 cfs
Slope Full	0.004 ft/ft
Flow Type	Undefined

GVF Input Data	
Downstream Depth	0.0 in
Length	0.0 ft
Number Of Steps	0

GVF Output Data	
Upstream Depth	0.0 in
Profile Description	N/A
Profile Headloss	0.00 ft
Average End Depth Over Rise	0.0 %
Normal Depth Over Rise	0.0 %
Downstream Velocity	0.00 ft/s
Upstream Velocity	0.00 ft/s
Normal Depth	8.0 in
Critical Depth	5.4 in
Channel Slope	0.004 ft/ft
Critical Slope	0.006 ft/ft

Worksheet for Circular Pipe - 12 in

Project Description	
Friction Method	Manning Formula
Solve For	Full Flow Capacity

Input Data	
Roughness Coefficient	0.011
Channel Slope	0.004 ft/ft
Normal Depth	12.0 in
Diameter	12.0 in
Discharge	2.66 cfs

Results	
Discharge	2.66 cfs
Normal Depth	12.0 in
Flow Area	0.8 ft²
Wetted Perimeter	3.1 ft
Hydraulic Radius	3.0 in
Top Width	0.00 ft
Critical Depth	8.4 in
Percent Full	100.0 %
Critical Slope	0.006 ft/ft
Velocity	3.39 ft/s
Velocity Head	0.18 ft
Specific Energy	1.18 ft
Froude Number	(N/A)
Maximum Discharge	2.86 cfs
Discharge Full	2.66 cfs
Slope Full	0.004 ft/ft
Flow Type	Undefined

GVF Input Data	
Downstream Depth	0.0 in
Length	0.0 ft
Number Of Steps	0

GVF Output Data	
Upstream Depth	0.0 in
Profile Description	N/A
Profile Headloss	0.00 ft
Average End Depth Over Rise	0.0 %
Normal Depth Over Rise	0.0 %
Downstream Velocity	0.00 ft/s
Upstream Velocity	0.00 ft/s
Normal Depth	12.0 in
Critical Depth	8.4 in
Channel Slope	0.004 ft/ft
Critical Slope	0.006 ft/ft

Worksheet for Circular Pipe - 18 in

Project Description	
Friction Method	Manning Formula
Solve For	Full Flow Capacity

Input Data	
Roughness Coefficient	0.011
Channel Slope	0.004 ft/ft
Normal Depth	18.0 in
Diameter	18.0 in
Discharge	7.85 cfs

Results	
Discharge	7.85 cfs
Normal Depth	18.0 in
Flow Area	1.8 ft²
Wetted Perimeter	4.7 ft
Hydraulic Radius	4.5 in
Top Width	0.00 ft
Critical Depth	13.0 in
Percent Full	100.0 %
Critical Slope	0.005 ft/ft
Velocity	4.44 ft/s
Velocity Head	0.31 ft
Specific Energy	1.81 ft
Froude Number	(N/A)
Maximum Discharge	8.45 cfs
Discharge Full	7.85 cfs
Slope Full	0.004 ft/ft
Flow Type	Undefined

GVF Input Data	
Downstream Depth	0.0 in
Length	0.0 ft
Number Of Steps	0

GVF Output Data	
Upstream Depth	0.0 in
Profile Description	N/A
Profile Headloss	0.00 ft
Average End Depth Over Rise	0.0 %
Normal Depth Over Rise	0.0 %
Downstream Velocity	0.00 ft/s
Upstream Velocity	0.00 ft/s
Normal Depth	18.0 in
Critical Depth	13.0 in
Channel Slope	0.004 ft/ft
Critical Slope	0.005 ft/ft

Worksheet for Circular Pipe - 24 in

Project Description	
Friction Method	Manning Formula
Solve For	Full Flow Capacity

Input Data	
Roughness Coefficient	0.011
Channel Slope	0.004 ft/ft
Normal Depth	24.0 in
Diameter	24.0 in
Discharge	16.91 cfs

Results	
Discharge	16.91 cfs
Normal Depth	24.0 in
Flow Area	3.1 ft²
Wetted Perimeter	6.3 ft
Hydraulic Radius	6.0 in
Top Width	0.00 ft
Critical Depth	17.8 in
Percent Full	100.0 %
Critical Slope	0.005 ft/ft
Velocity	5.38 ft/s
Velocity Head	0.45 ft
Specific Energy	2.45 ft
Froude Number	(N/A)
Maximum Discharge	18.19 cfs
Discharge Full	16.91 cfs
Slope Full	0.004 ft/ft
Flow Type	Undefined

GVF Input Data	
Downstream Depth	0.0 in
Length	0.0 ft
Number Of Steps	0

GVF Output Data	
Upstream Depth	0.0 in
Profile Description	N/A
Profile Headloss	0.00 ft
Average End Depth Over Rise	0.0 %
Normal Depth Over Rise	0.0 %
Downstream Velocity	0.00 ft/s
Upstream Velocity	0.00 ft/s
Normal Depth	24.0 in
Critical Depth	17.8 in
Channel Slope	0.004 ft/ft
Critical Slope	0.005 ft/ft

Worksheet for Circular Pipe - 30 in

Project Description	
Friction Method	Manning Formula
Solve For	Full Flow Capacity

Input Data	
Roughness Coefficient	0.011
Channel Slope	0.004 ft/ft
Normal Depth	30.0 in
Diameter	30.0 in
Discharge	30.66 cfs

Results	
Discharge	30.66 cfs
Normal Depth	30.0 in
Flow Area	4.9 ft²
Wetted Perimeter	7.9 ft
Hydraulic Radius	7.5 in
Top Width	0.00 ft
Critical Depth	22.6 in
Percent Full	100.0 %
Critical Slope	0.005 ft/ft
Velocity	6.25 ft/s
Velocity Head	0.61 ft
Specific Energy	3.11 ft
Froude Number	(N/A)
Maximum Discharge	32.98 cfs
Discharge Full	30.66 cfs
Slope Full	0.004 ft/ft
Flow Type	Undefined

GVF Input Data	
Downstream Depth	0.0 in
Length	0.0 ft
Number Of Steps	0

GVF Output Data	
Upstream Depth	0.0 in
Profile Description	N/A
Profile Headloss	0.00 ft
Average End Depth Over Rise	0.0 %
Normal Depth Over Rise	0.0 %
Downstream Velocity	0.00 ft/s
Upstream Velocity	0.00 ft/s
Normal Depth	30.0 in
Critical Depth	22.6 in
Channel Slope	0.004 ft/ft
Critical Slope	0.005 ft/ft

EARTH CHANNEL CALC

Worksheet for Trapezoidal Channel - 1

Project Description	
Friction Method	Manning Formula
Solve For	Discharge

Input Data	
Roughness Coefficient	0.030
Channel Slope	0.010 ft/ft
Normal Depth	8.0 in
Left Side Slope	33.000 %
Right Side Slope	33.000 %
Bottom Width	4.00 ft

Results	
Discharge	12.29 cfs
Flow Area	4.0 ft²
Wetted Perimeter	8.3 ft
Hydraulic Radius	5.8 in
Top Width	8.04 ft
Critical Depth	6.9 in
Critical Slope	0.018 ft/ft
Velocity	3.06 ft/s
Velocity Head	0.15 ft
Specific Energy	0.81 ft
Froude Number	0.764
Flow Type	Subcritical

GVF Input Data	
Downstream Depth	0.0 in
Length	0.0 ft
Number Of Steps	0

GVF Output Data	
Upstream Depth	0.0 in
Profile Description	N/A
Profile Headloss	0.00 ft
Downstream Velocity	0.00 ft/s
Upstream Velocity	0.00 ft/s
Normal Depth	8.0 in
Critical Depth	6.9 in
Channel Slope	0.010 ft/ft
Critical Slope	0.018 ft/ft

LA COUNTY
PUBLIC WORKS
Q-ALLOWABLE &
AS-BUILDS

Office Use Only
☐ Sent Initials: _____
☐ Fax ☐ Email ☐ Other: _____
Date: _____ Time: _____

LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS
DESIGN DIVISION – HYDRAULIC ANALYSIS UNIT

INFORMATION REQUEST SUMMARY

INFORMATION REQUESTED BY

*Requester's Name: Michael Knapton, PE
Company: Kimley-Horn and Associates
*Phone Number: 619-744-0142 Fax Number: _____
*Email: michael.knapton@kimley-horn.com

Method of Contact: ☐ Walk-in ☐ Phone ☐ Fax ☒ Email ☐ Prelim. Mtg. Date: 8/25/2021

Intended Use: Plan to drain the property to this facility

Proposed Project Type: Commercial Development Acreage Involved: 21.2

*Will information be used in any litigation? ☐ YES ☒ NO
Case Info. Name: _____ No: _____ Location: _____

INFORMATION REQUESTED (Attach Assessor Map)

LACFCD Facility: Name: Potrero Grande Proj. No. 529
Unit: 1 Line: portion of B Station: 13+00
City: South El Monte APN 8119-005-032
*Street/Cross-street: Santa Anita, Lexington-Gallatin
*Thomas Guide: Page: _____ Grid: _____ ☒ Site Map/Plans Submitted
Info. Requested: Requesting an Allowable Q to discharge to this facility. Also requesting guidance on appropriate elevation to connect to. Plan is to connect invert at 213.0' NGVD 29, which is the 50 year WSEL of Whittier Narrows

***Required Information. See Page 2 of 2 for Instructions.**

BELOW SECTION TO BE COMPLETED BY THE HYDRAULIC ANALYSIS UNIT

INFORMATION PROVIDED:
Hydrology Map, Hydrology Data, Hydraulic Calculation, As Built Drawing, Assessor Map.

REFERENCES SEARCHED:
PRoject No.529 Files

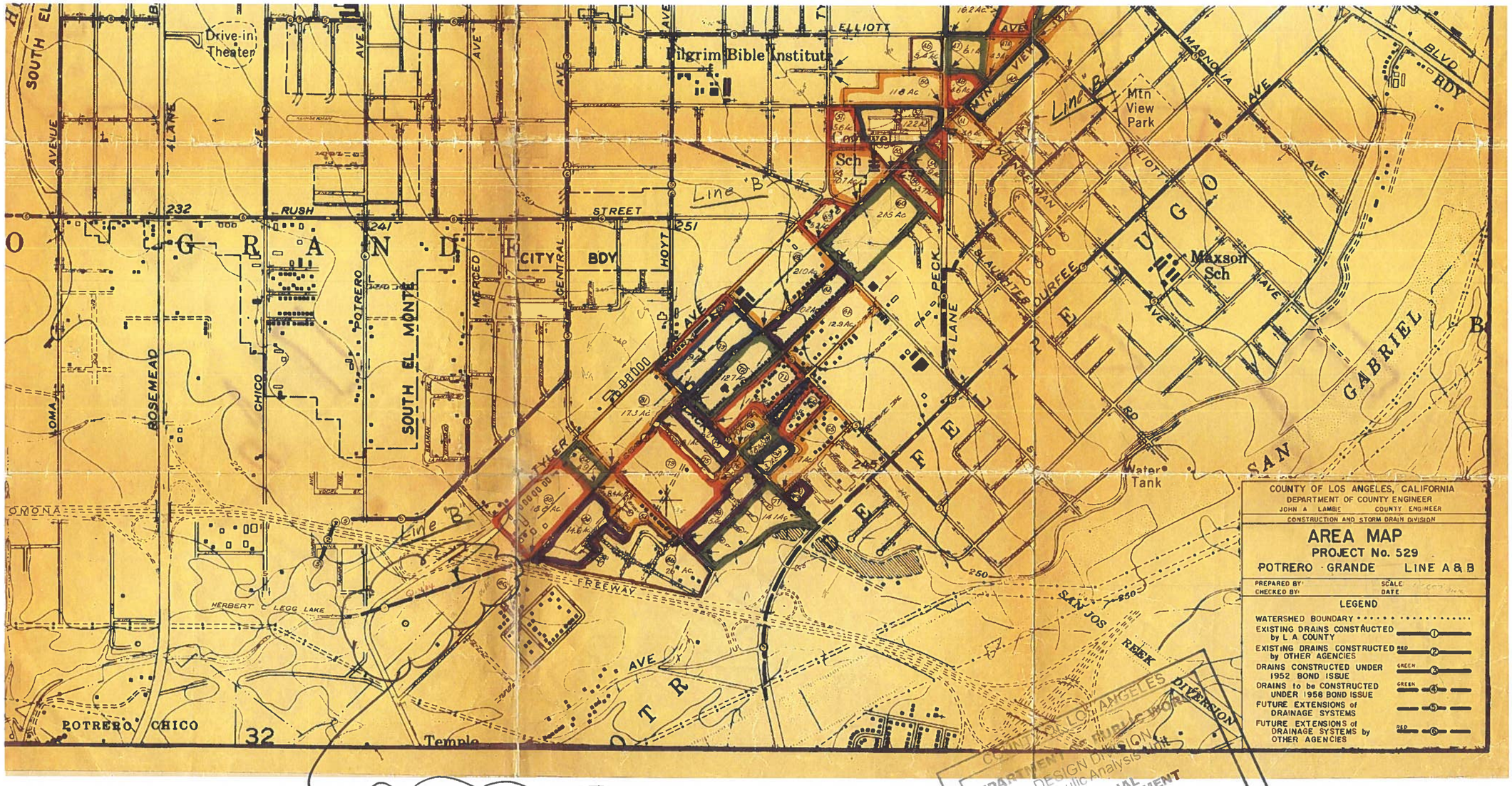
COMMENTS, ETC:
1- Subarea No.86 Allowable Discharge Flow limited to Q=0.82cfs/acre.
2- See attached Hydraulic Calculation Sheet to obtain Invert Elevation, and Water Surface Elevation.

COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS DESIGN DIVISION Hydraulic Analysis Unit OFFICIAL RECORD DOCUMENT Issued By: _____ Date: 9/14/2021 Public Service That Works

INFORMATION PROVIDED BY: Kivork Aintablian Date: 9/14/2021

INFORMATION REVIEWED BY: Date:

Print Save a Copy



Project area
Subarea No. 86
Allowable Q = 0.82 cfs/acre

COUNTY OF LOS ANGELES PUBLIC WORKS
DEPARTMENT OF PUBLIC WORKS
DESIGN DIVISION
Hydraulic Analysis Unit
OFFICIAL RECORD DOCUMENT
Issued By: GKA
Date: 4/4/2024
Public Service That Works

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

Sht. 1 of __

Hydrology Calculation Sheet

PROJECT #529
FREQUENCY 10-yr
ISOHYETAL ZONE L

CALCULATED BY ASR/TMA
CHECKED BY
DATE 9-4-64

Line "B"

Δ El	Elev	DRAINAGE AREA	Soil & Development	A Acres	I in/hr.	C	ΔQ CFS	ΣQ CFS	SLOPE	SECTION	V FPS	L FT.	T MIN.	ΣT MIN.	REMARKS
	285.0	Port. 41 (Initial)	HF - SF	2.6	2.20	.745	4.3	Overland Flow H=2.5 L=600'					15.0	15.0	Initial Area
3.5	281.5	Port. 41	" "	5.6	1.90	.705	7.5	4.3	.0052	ST	1.9	670'	5.9	20.9	Mountain View @ Magnolia
8.0	273.5	39, 40, 43, 42, 44	" "	44.2	1.60	.660	46.6	11.8	.0060	ST	2.4	1330	9.3	30.2	" " @ Elliott
3.2	270.3	47 A	" "	4.3	1.52	.645	4.2	58.4	.0038	ST	3.4	840	4.1	34.3	" " @ Schmidt
3.3	267.0	48	" "	9.6	1.50	.640	4.2	62.6	.0078	ST	4.3	450	1.7	36.0	" " @ Klingerman
3.3	263.7	45, 46, 47, 49, 50, 51	" "	48.9	1.46	.635	45.3	71.8	.0094	ST	4.7	350	1.2	37.2	" " @ Peck Rd
1.2	262.5	52, 53	" "	13.6	1.45	.630	12.4	117.1	.0030	57"	6.9	400	1.0	38.2	" " @ Maryvine
2.5	260.0	54	" "	3.9	1.45	.630	3.6	129.5	.0095	48"	10.8	262	.4	38.6	" " @ Redbury
0.8	259.2	55, 56	" "	7.2	1.45	.630	6.6	133.1	.0030	60"	7.1	267	.6	39.2	" " @ Fireview
1.8	257.4	57, 58	" "	16.3	1.41	.622	14.3	139.7	.0027	63"	6.7	663	1.6	40.8	" " @ Weaver
2.4	255.0	59	" "	5.2	1.40	.622	4.5	154.0	.0040	60"	8.1	605	1.2	42.0	" " @ Rush St.
0.6	254.0	60	" "	21.5	1.38	.617	18.3	158.5	.0016	72"	5.8	375	1.1	43.1	Rush St. @ Floradale
6.0	248.0	61, 62, 63	" "	44.1	1.35	.610	36.4	176.8	.0046	60	9.3	1320	2.4	45.5	Floradale @ Thienes
7.0	241.0							213.2	.0051	66"	9.3	1370	2.5	48.0	Slack Rd
		Slack Rd. lateral	Adj. "Q" = 65.1 $\left(\frac{32.2}{48.0}\right)$ = 43.7												
0.4	240.6	73	" "	14.9	1.31	.60	11.7	257.9	.0036	72"	9.5	110	.2	48.2	Slack Rd @ Lidcombe
1.8	238.8	74	" "	6.2	1.30	.60	4.8	269.6	.0078	66"	11.6	230	.3	48.5	Lidcombe @ Golax
0.8	238.0	75	" "	6.1	1.30	.60	4.8	274.4	.0029	78"	8.6	280	.5	49.0	" @ Farndon
3.8	234.2	76, 77, 78, 79, 80, 81	" "	70.9	1.30	.60	55.2	279.2	.0046	72"	10.3	835	1.4	50.4	" @ Central
0.7	233.5	82, 83	" "	13.3	1.28	.594	10.1	334.4	.0016	96"	6.7	430	1.1	51.5	Abraham
2.5	231.0	84, 85, 86	" "	59.4	1.25	.59	43.8	345.5	.0020	90"	8.0	1270	2.7	54.2	Fawcett
								389.3							

* Subarea No. 86 Allowable Discharge flow $Q = (43.8/59.4) \times (434/389.3) = 0.82$ cfs/acre

DA-2

COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
DESIGN DIVISION
Hydraulic Analysis Unit
OFFICIAL RECORD DOCUMENT
Issued By: GA
Date: 2/19/2021

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

Sht 1 of ___

Hydraulic Calculation Sheet

PROJECT 529 - Line B
Within Pomona Freeway

□ $S=\left(\frac{Q_n}{K' b^{8/3}}\right)^2=\left(\frac{5.65}{K' b^{8/3}}\right)^2$

⊖ $S=\left(\frac{5.65}{K' d^{8/3}}\right)^2$

$n = 0.013$

CALCULATED BY F.W.R.

DATE 2-64

Dc=3.4' Dn=3.5'

Dc=5.4' Dn>7.5'

STA.	ELEV. INV.	D	ELEV. W.S.	SECTION	A	W.P. (K')	R	Q	$\frac{v^2}{2g}$	E.G.	S_f	Av. S_f	L	h_f	h_b	h_j	h_t	E.G.
4+95	208.59	6.41	215	10' □	64.1	0.81 / 22.82	2.80	434	6.78 / 0.71	215.71	.00023							215.71
5+15	208.63	6.41	215.04	"	"	"	"	"	"	215.75	"	.00023	20	.005	—	—	—	215.72 ✓
5+30	208.66	7.5	216.16	90"Ø	44.2	.463		"	9.83 / 1.50	217.66	.00319	.00171	15	.03	—	—	.16	~~215.88~~
~~5+30~~	~~208.66~~	~~6.5~~	~~215.16~~	~~90"Ø~~	~~40.7~~	~~.485~~		~~"~~	~~10.7 / 1.78~~	~~216.94~~	~~.00291~~	~~.00157~~	~~15~~	~~.02~~	~~—~~	~~—~~	~~0.21~~	~~215.95~~
~~5+30~~	~~208.66~~	~~5.5~~	~~214.16~~	~~"~~	~~34.7~~	~~.412~~		~~"~~	~~12.5 / 2.43~~	~~216.59~~	~~.00404~~	~~.00214~~	~~15~~	~~.03~~	~~—~~	~~—~~	~~0.34~~	~~216.09~~
5+30	208.66	4.5	213.16	"	27.65	0.311		"	15.7 / 3.83	216.99	.00707	.00365	15	.05	—	—	0.62	216.39

Flow conditions at the outlet are unstable since Dc ≈ Dn, therefore the assumption was made that a jump would occur in the transition structure, and the soffit upstream of the T.S. was taken as the d/s Control.

STA.	ELEV. INV.	D	ELEV. W.S.	SECTION	A	W.P. (K')	R	Q	$\frac{v^2}{2g}$	E.G.	S_f	Av. S_f	L	h_f	h_b	h_j	h_t	E.G.
5+30	208.66	7.50	216.16	90"Ø	44.2	7.680		434	9.82 / 1.50	217.66	.00319							
5+57			216.43	"	"	"		"	"	217.93	"	.00319	27	0.09	0.18	—	—	
15+00			219.44	"	"	"		"	"	220.94	"	.00319	943	3.01	—	—	—	

Breaks Seal - Go back to Sta. 13+00 and take soffit

STA.	ELEV. INV.	D	ELEV. W.S.	SECTION	A	W.P. (K')	R	Q	$\frac{v^2}{2g}$	E.G.	S_f	Av. S_f	L	h_f	h_b	h_j	h_t	E.G.
13+00	212.34	7.50	219.84	90"Ø	44.2	7.680		434	1.50	221.34	.00319							
15+00			220.48	"	"	"		"	"	221.98	"	.00319	200	0.64	—	—	—	
21+00			222.55	"	"	"		"	"	224.05	"	"	600	1.92	—		2-M.H. 0.15	
27+75			224.71	"	"	"		"	"	226.21	"	.00319	675	2.16	—		—	

O.K.

COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
DESIGN DIVISION
Hydraulic Analysis Unit
OFFICIAL RECORD DOCUMENT
Issued By: GA
Date: 9/14/2021
Public Service Public Works

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

Sht 1 of __

Hydraulic Calculation Sheet

PROJECT # 529 POTRERO GRANDE

$S_f = \left(\frac{Q}{K}\right)^2$ $S_f = \frac{.00492 \frac{V^2}{2g}}{R^{4/3}}$

CALCULATED BY DC

DATE Oct-64

* W.S. ELEV. AT STA. 27+75 OBTAINED FROM HYDRAULICS & ALIGNMENT BOOK OF PROJ. # 529

LINE B

COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS DESIGN DIVISION Hydraulic Analysis Unit OFFICIAL RECORD DOCUMENT Issued By: GKA 8/4/2011 Public Service That Works

STA.	ELEV. INV	D	ELEV. W.S.	SECTION	A	K / W.P.	V / R	$R^{2/3}$ / Q	$\frac{v^2}{2g}$	E.G.	S_f	Av. S_f	L	h_f	h_b	h_j	h_t	E.G.
27+75	215.00		224.71*	90"	44.18	7691	9.82	434	1.50	226.21	0.00318							226.21
28+23.37			224.87	2.5 5.4	44.63	19	9.73 / 2.35	3.12 / 434	1.47	226.34	0.00232	.00275	48.37	0.13				226.34
28+30.00			224.91	"	"	"	"	"	"	226.44	0.00232	.00232	6.63	0.02			M.H. .08	226.44
28+30.00			225.49	8.5 5.25	44.63	19	8.81 / 2.35	3.12 / 393	1.21	226.70	0.00191					0.26		226.70
28+52.30			225.69	"	"		"	"	"	226.90	0.00191	0.00191	22.30	0.04	0.16			226.90
33+00.00			226.69	90"	44.18	7691	8.90	393	1.23	227.92	0.00263	0.00227	447.70	1.02				227.92
												EFFECT OF	JUNCTION	AT 33+00	NEGLIGIBLE			
33+00.00			226.69	90"	44.18	7691	8.88	392	1.23	227.92	0.00260							227.92
33+60.00			226.91	90"	"	"	"	"	"	228.14	0.00260	0.00260	60	0.16			M.H. .06	228.14
38+90.00			228.35	"	"	"	"	"	"	229.58	0.00260	0.00260	530	1.38			M.H. .06	229.58
40+22.00			228.69	"	"	"	"	"	"	229.92	0.00260	0.00260	132	0.34				229.92
40+22.00			228.81	90"	44.18	7691	8.67	383	1.17	229.98	0.00250					0.06		229.98
41+00.00			229.01	"	"	"	"	"	"	230.18	"	0.00250	78	0.20				230.18
43+59.53			229.66	"	"	"	"	"	"	230.83	"	"	259.53	0.65				230.83
44+02.05			229.99	"	"	"	"	"	"	231.16	"	"	42.52	0.11	0.22			231.16
EQUATION																		
44+50.00			229.99	90"	44.18	7691	8.67	383	1.17	231.16	0.00250							231.16
44+57.00			230.01	"	"	"	"	"	"	231.18	"	0.00250	7		.02			231.18
44+68.00			230.37	84"	38.49	6388	8.45	325	1.11	231.48	0.00259	0.00255	11	.03		0.21	M.H. 0.06	231.48
49+90.00			231.65	"	"	"	"	"	"	232.76	0.00259	0.00259	472	1.22			M.H. 0.06	232.76
51+40.83			232.17	"	"	"	"	"	"	233.28	"	"	200.83	0.52				233.28
52+02.79			232.69	"	"	"	"	"	"	233.80	"	"	61.96	0.16	0.36			233.80
52+65.48			232.97	"	"	"	"	"	"	234.08	"	"	62.69	0.16	0.12			234.08

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

Sht. 2 of ___

Hydraulic Calculation Sheet

PROJECT #529 POTRERO GRANDE

$S_f = \left(\frac{Q}{K}\right)^2$ $S_f = \frac{.00492 \frac{V^2}{2g}}{R^{4/3}}$

CALCULATED BY DC

LINE B

DATE Oct-64

OFFICIAL RECORD DOCUMENT
Public Works
9/14/2004

STA.	ELEV. INV.	D	ELEV. W.S.	SECTION	A	W.P. (R)	R (V)	Q	$\frac{v^2}{2g}$	E.G.	S_f	Av. S_f	L	h_f	h_b	h_j	h_t	E.G.
52+65.48			232.97	84"	38.49	6388	8.45	325	1.11	234.08	0.00259	0.00259	62.69	0.16	0.12			234.08
53+00.00			233.06	"	"	"	"	"	"	234.17	"	"	34.52	0.09				234.17
53+00.00			233.14	84"	38.49	6388	8.31	320	1.07	234.21	0.00250	0.00250				0.04		234.21
53+60.74			233.29	"	"	"	"	"	"	234.36	"	"	60.74	0.15				234.36
54+30.95			233.59	"	"	"	"	"	"	234.66	"	"	64.71	0.17	0.13			234.66
54+60.00			233.71	"	"	"	"	"	"	234.78	"	"	29.55	0.07			M.H. .05	234.78
55+00.00			233.81	"	"	"	"	"	"	234.88	"	"	40.00	0.10				234.88
55+88.00			234.03	"	"	"	"	"	"	235.10	"	"	88.00	0.22				235.10
55+88.00			234.07	84"	38.49	6388	8.21	316	1.05	235.12	0.00245					0.02		235.12
57+91.32			234.57	"	"	"	"	"	"	235.62	"	0.00245	203.32	0.50				235.62
58+62.05			235.23	"	"	"	7.75	298	0.93	236.16	0.00217	0.00231	70.73	0.16	0.26	0.12		236.16
59+58.64			235.45	"	"	"	"	"	"	236.38	"	"	96.59	0.22				236.38
59+86.16			235.65	"	"	"	"	"	"	236.58	"	"	27.52	0.06	0.14			236.58
59+88.00			235.65	"	"	"	"	"	"	236.58	"	"	1.84	0.0043				236.58
59+99.00			235.66	72"	28.27	4234	8.98	254	1.25	236.91	0.00360	0.00289	11.00	0.03		0.28	M.H. 0.05	236.91
60+06.16			235.68	"	"	"	"	"	"	236.93	"	0.00360	7.16	0.02				236.93
60+49.36			236.08	"	"	"	"	"	"	237.33	"	"	43.20	0.15	0.25			237.33
66+18.13			238.18	"	"	"	"	"	"	239.43	"	"	568.77	2.05			M.H. 0.05	239.43
67+31.40			239.21	"	"	"	"	"	"	240.46	"	"	113.27	0.41	0.62			240.46
69+00.00			239.82	"	"	"	"	"	"	241.07	"	"	168.60	0.61				241.07
70+40.00			240.37	"	"	"	"	"	"	241.62	"	"	140.00	0.50			M.H. 0.05	241.62
73+50.00			241.73	"	"	"	8.38	237	1.09	242.82	0.00314	0.00337	310.00	1.04		0.16		242.82
75+60.00			242.49	"	"	"	"	"	"	243.58	"	"	210.00	0.71			M.H. 0.05	243.58

U-059-1(5)

S.P.R. DIV. NO.	STATE	FEDERAL PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	CALIF.				

DIST.	COUNTY	ROUTE	SECTION	SHEET NO.	TOTAL SHEETS
07	LA	60		54	256

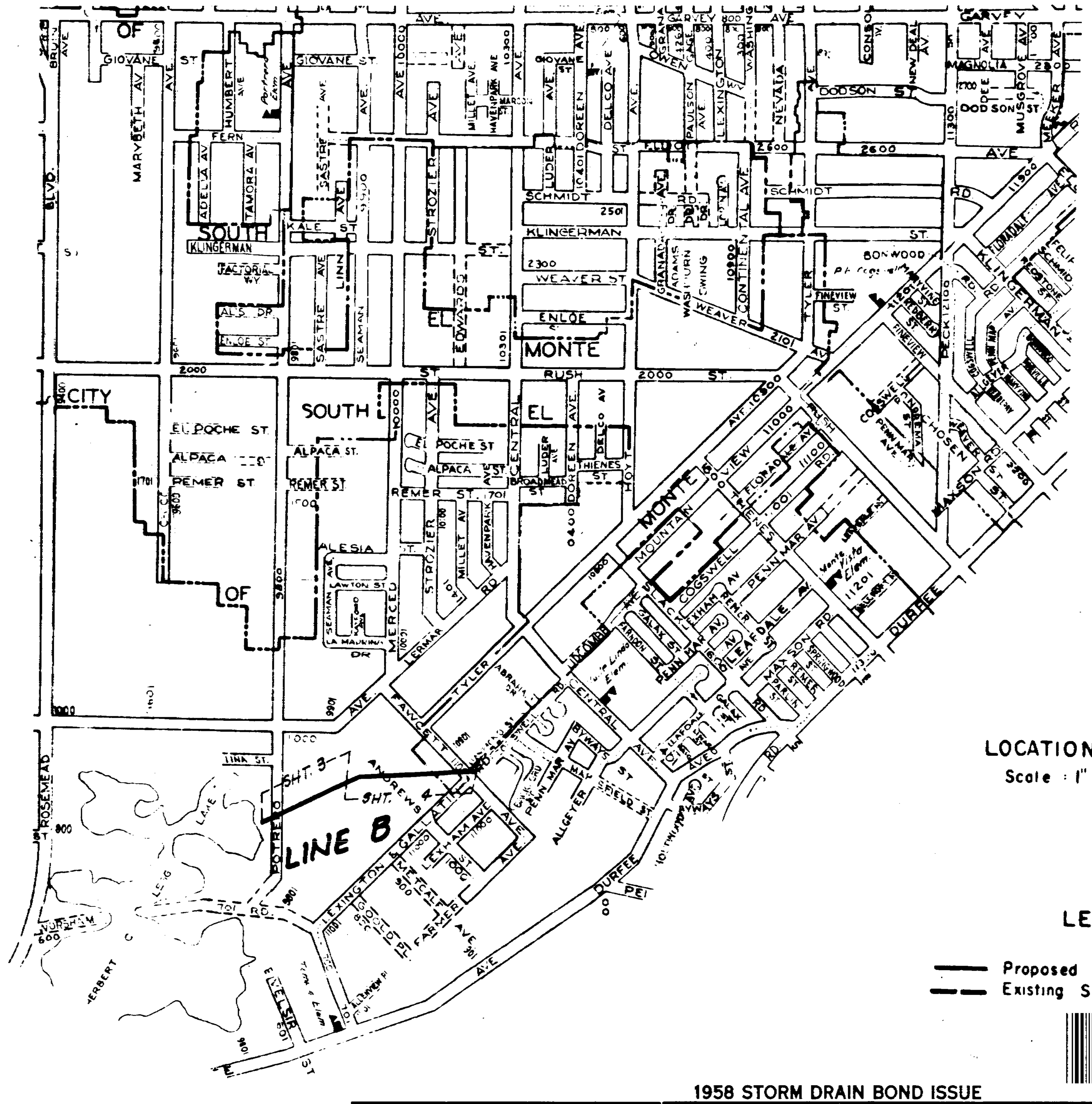
DEPUTY DISTRICT ENGINEER

APPROVED December 14, 1964

Engineer of Design
Registered Civil Engineer No. 9837

INDEX TO PLANS

	SHEET NO
LOCATION MAP AND INDEX TO PLANS	1
STANDARD PLANS AND GENERAL NOTES	2
PLAN AND PROFILE	3 TO 4
R. C. BOX SECTION, STRUCTURAL DETAILS	5
OUTLET STRUCTURE "B" AND LOG OF BORINGS	6
PROTECTION BARRIER AND INLET STRUCTURE "B"	7
STANDARD DRAWINGS	8 TO 16



LOCATION MAP
Scale : 1" = 1000'

AS BUILT
CONTRACT NO. 03-3424
RESIDENT ENGR.
DATE

LEGEND

Proposed Storm Drains
Existing Storm Drain

PD030998

163.15

1958 STORM DRAIN BOND ISSUE

APPROVAL RECOMMENDED BY
ASST. CHIEF DEPUTY ENGINEER
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

APPROVED BY
CITY OF SOUTH EL MONTE
CITY ENGINEER
DATE 2-18-64

PREPARED BY
JOHN A. LAMBIE
COUNTY ENGINEER

RECOMMENDED BY
C. H. Green
CONSTRUCTION AND STORM DRAIN ENGINEER

DRAWN BY R. Noville DESIGNED BY R. Noville
TRACED BY B. Smith SUBMITTED BY R. Reich
CHECKED BY R. Gardner DATE 2-17-64

REVISIONS		
MARK	DATE	DESCRIPTION

DRAWN BY County of L.A. DESIGNED BY County of L.A.
TRACED BY County of L.A.
CHECKED BY
SUBMITTED BY
RECOMMENDED BY 2/28/64
DIVISION ENGINEER (DESIGN)

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT

PROJECT NO. 529
POTRERO GRANDE
UNIT I, A PORTION OF LINE B
LOCATION MAP AND INDEX TO PLANS

APPROVED BY
CHIEF ENGINEER

SCALE	DATE	NO. 275-529-D5.1
AS SHOWN	FEB. '64	SHEET 1 OF 16

"AS BUILT" DRAWING

U-059-1(5)

B.P.R. DIV. No.	STATE	FEDERAL PROJECT No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
	CALIF.				

DIST.	COUNTY	ROUTE	SECTION	SHEET No.	TOTAL SHEETS
07	LA	60	[illegible]	55	256

DEPUTY DISTRICT ENGINEER
December 14, 1964
Engineer of Design
Registered Civil Engineer No. 9837

AS BUILT
CONTRACT NO.
RESIDENT ENGR.
DATE

STANDARD PLANS ~ COUNTY ENGINEER

	STANDARD NO
Reinforcing Steel Assembly Single R.C. Box	D-51

STANDARD DRAWINGS ~ FLOOD CONTROL DISTRICT

	DRAWING NO.
Local Depression No 2	2-D88
Standard Drop Step	2-D96
Manhole No. 3	2-D104
Concrete Rings, Reducer and Pipe for Manhole Shaft	2-D107
Manhole Frame and Cover for Catch Basins	2-D156
Catch Basin Reinforcement for Round Manholes	2-D157
Detail of Bolt Support for Catch Basins	2-D158
Detail of Angle and Anchor for Catch Basins	2-D161
Catch Basin No. 3	2-D163
Standard A-305 Reinforcing Bars	2-D171
Catch Basin Reinforcement	2-D172
Pipe Supports Across Trenches	2-D173.1to3
Removable Protection Bar For Catch Basins	2-D175
Pipe Bedding in Trenches	2-D177
Standard Non Rocking Manhole Frame and Cover	2-D181
Manhole No. 2	2-D184
Junction Structure No. 3	2-D191
"D" Load Table for Design of Reinforced Concrete Pipe	2-D213.1&.2
Connection To Catch Basins for Pipe 12" Through 72"	2-D224
Transition Structure No. 1	2-D235
Protection For Main Line and House Connection Sewers	2-D251
Adjustable Protection Bar Stirrup	2-D264
Concrete Collar	2-D393
Typical Fence, Gate and Headwall Details For Channel walls	2-D180

GENERAL NOTES

Elevations are in feet above U.S.C. & G.S. Mean Sea Level Datum of 1929, based on the Los Angeles County Engineer's Precise Level Net, 1952 adjustment.

Stationing of Main Line Drawings is based on survey in C.S.F.B. 2515

Stations shown on drawings are along centerline of conduit or on a line normal to centerline of conduit.

All pipe not otherwise specified shall be Extra Strength Non-Reinforced Concrete Pipe.

All pipe in open trench except within State Highway right of way, shall be bedded in accordance with Standard Drawing 2-D177, Case III, unless otherwise shown on the Project Drawings or modified by the Specifications.

Concrete backfill for pipe as called for on Std. Dwg. 2-D213.1 shall be used around reinforced concrete connector pipe 36 inches or less in diameter except where indicated on the Project Drawings. Concrete backfill for mainline pipe shall be used only when directed by the Engineer.

Improvements or interfering portions of improvements marked with the symbol ≠ shall be removed by the contractor and shall not be replaced.

For structures marked "Sec. ", see structural details on Sheet No. 5.

All structures not otherwise specified are Standard Structures. For details, see appropriate Standard Drawing.

Sanitary sewer and house laterals crossing over the storm drain shall be supported per Standard Drawing 2-D173.

Sanitary Sewer mainline and house lateral protection shall be according to Standard Drawing 2-D251.

If an elevation is shown at a catch basin, it refers to the top of proposed curb at centerline of basin.

Connector pipe junctions with catch basins shall be located at the downstream ends of the catch basins unless otherwise noted. In all cases the exact locations will be determined in the field by the engineer to meet field conditions.

The depth of upstream end of Catch Basins 10 feet or more in length shall be curb face plus 12 inches, unless otherwise shown.

Monolithic concrete catch basin connections shall be constructed where applicable per Standard Drawing 2-D224.

The Soils Test borings for this project were made in July 1963.

Stations and invert elevations of pipe inlets, shown on the profiles, are at the inside face of the conduit unless otherwise shown.

For typical catch basin connector pipe profile, see detail hereon.

Curb Face (C.F.) shown on the general plan pertains to the curb face at the catch basin opening. Unless otherwise specified C.F. shall equal 8".

STRUCTURAL NOTES

Dimensions for depth of reinforcing steel are from face of concrete to center of bars.

Longitudinal steel shall be continuous and extend through all Reinforced Concrete Box construction joints and shall be lapped a minimum of 20 diameters at all splices.

Transverse construction joints shall not be placed within 30 inches of manhole or junction structure openings.

Unless otherwise shown on the Project Drawings, transverse joint keyways (in both slabs and walls), as detailed for longitudinal joint keyways at the base of the walls shall be placed at the end of each pour but the spacing thereof shall not exceed 50 feet or be less than 10 feet.

All construction joints in the bottom slab, top slab and side walls shall be in the same plane. No staggering of joints will be permitted.

Transverse reinforcement and transverse joints shall be placed at right angles (or radial) to conduit centerline, except as otherwise shown on the Project Drawings.

Unless otherwise shown on the Project Drawings, transverse bars in curved reaches shall be placed radially. Straight transverse bars in top and bottom slabs shall be spaced as shown for the section; spacing to be measured along the center line of construction.
Straight bars and bent bars in all walls shall be spaced as shown for the section, with the spacing shown measured between the vertical legs of bars in each wall.

The transverse reinforcing steel shall terminate 1 1/2 inches from the concrete surfaces unless otherwise shown on the structural details.

No splices in transverse steel reinforcement will be permitted, other than those shown on the drawings, without approval of the Engineer. Transverse steel shall be lapped 30 bar diameters at splices.

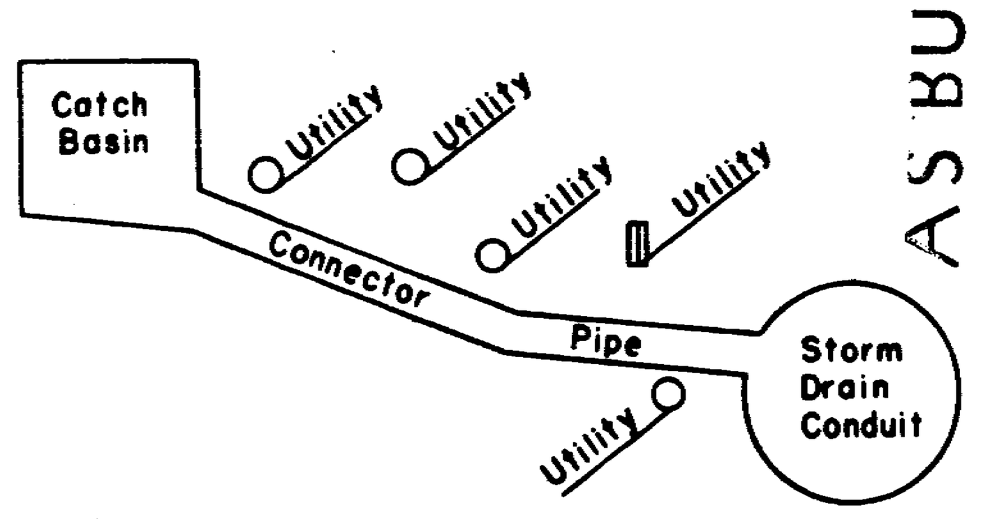
No more than two splices will be permitted in any longitudinal bar between transverse joints. Splices shall be staggered.

All bar bends and hooks shall conform to the American Concrete Institute "Manual of Standard Practice."

Unless otherwise shown concrete dimensions shall be measured vertically or horizontally on the profile and parallel or at right angles (or radial) to the centerline of construction on the plan except as otherwise shown.

All exposed edges of concrete shall be beveled or rounded.

Pipe connections to Reinforced Concrete Box shall conform to Standard Drawing 2-D191, unless otherwise shown on the Project Drawings.



TYPICAL CONNECTOR PIPE PROFILE

NOTES:

1. The change in grade of the connector pipe may occur either over or under an existing utility. The particular utility at which the change in grade occurs is noted on the project drawings. At locations where utility crossings are marked "O" the connector pipe grade will break over the utility. At locations where utility crossings are marked "U" the connector pipe grade will break under the utility.
2. On those connector pipes where the change in grade is not indicated, it is assumed that the connector pipe can be laid on a straight grade from the catch basin to the Storm Drain without interference with utilities.
3. The Contractor shall make exploratory excavations to determine the exact location and depth of all utilities which are marked "O" or "U". After the exact location of a utility has been determined, the Engineer will adjust the grade in the field, if necessary, so as to clear the utility by a minimum of 3 inches.
4. A concrete collar per Std. Dwg. 2-D393 shall be used where the change in grade or direction exceeds 0.10 ft. per foot.

163.15

PD030999

1958 STORM DRAIN BOND ISSUE

PREPARED BY
JOHN A. LAMBIE
COUNTY ENGINEER

RECOMMENDED BY
C. H. Green
CONSTRUCTION AND STORM DRAIN ENGINEER

DRAWN BY R. Naville — DESIGNED BY R. Naville
TRACED BY H. Crenshaw — SUBMITTED BY R. Reich
CHECKED BY R. Gardner — DATE 2-17-64

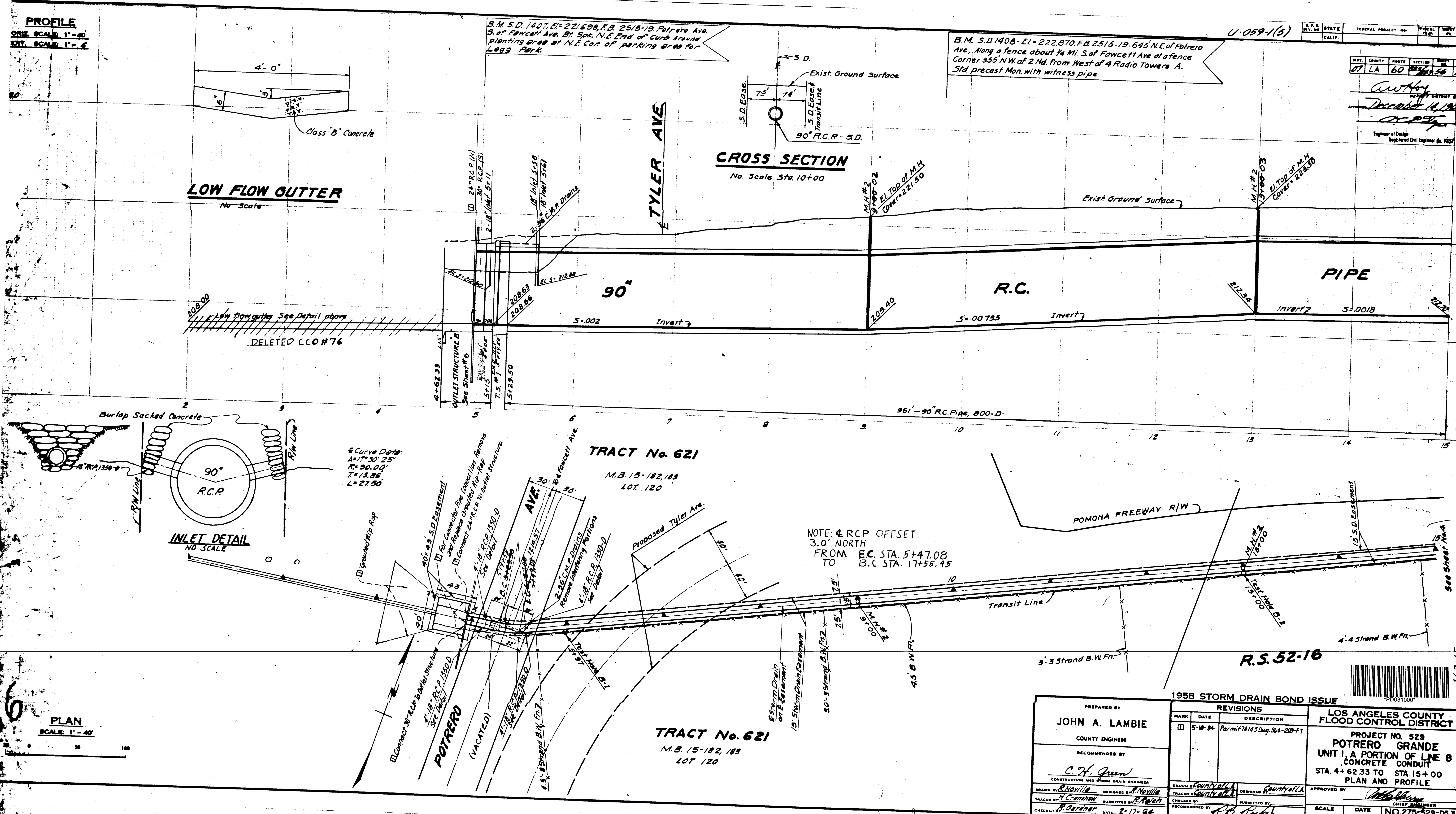
REVISIONS		
MARK	DATE	DESCRIPTION

DRAWN BY County of L.A. — DESIGNED BY County of L.A.
TRACED BY County of L.A. — SUBMITTED BY
CHECKED BY
RECOMMENDED BY R. B. Roche — DIVISION ENGINEER (DESIGN)

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
PROJECT NO. 529
POTRERO GRANDE
UNIT 1, A PORTION OF LINE B
STANDARD DRAWINGS, GENERAL NOTES AND STRUCTURAL NOTES

APPROVED BY — CHIEF ENGINEER

SCALE	DATE	NO. 275-529-D5.2
NONE	FEB. '64	SHEET 2 OF 16

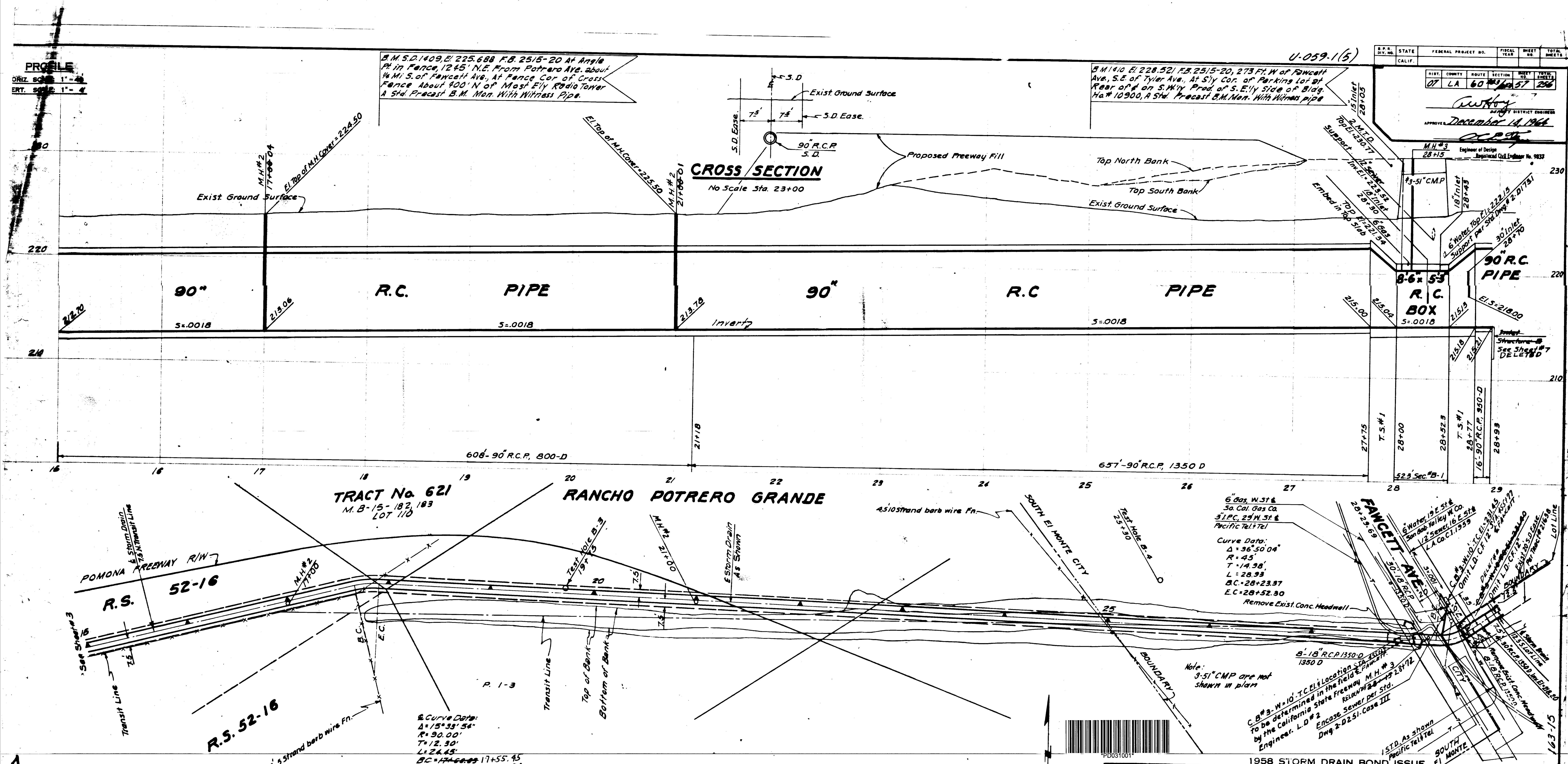


PROFILE
HORIZ. SCALE 1" = 40'
VERT. SCALE 1" = 4'
B.M. S.D. 1407, El. = 221.698, F.B. 2515-19. Potrero Ave. S. of Fawcett Ave. Bt. Spk. N.E. End of Curb Around planting area at N.E. Cor. of parking area for Legg Park.
B.M. S.D. 1408 - El. - 222.870. F.B. 2515-19. 645' N.E. of Potrero Ave. Along a fence about 1/4 Mi. S. of Fawcett Ave. at a fence Corner 355' N.W. of 2 Nd. from West of 4 Radio Towers A. Std. precast Mon. with witness pipe
U-059-1(5)
4'-0"
Class "B" Concrete
LOW FLOW GUTTER
No Scale
Exist. Ground Surface
S.D. Ease.
S.D. Ease & Transit Line
90" R.C.P. - S.D.
CROSS SECTION
No. Scale. Sta. 10+00
TYLER AVE
M.H. #2 9+00.02
El. Top of M.H. Cover = 221.50
M.H. #2 13+00.03
El. Top of M.H. Cover = 223.30
Exist. Ground Surface
90"
R.C.
PIPE
Low flow gutter See Detail above
S = .002
Invert
S = .00735
Invert
S = .0018
209.40
212.34
DELETED CCO #76
OUTLET STRUCTURE "B" See Sheet #6
4+62.33
5+29.50
961' - 90" R.C. Pipe, 800-D
220
218
Burlap Sacked Concrete
18" R.C.P. 1350-D
R/W Line
90"
R.C.P.
INLET DETAIL
NO SCALE
℄ Curve Data:
Δ = 17° 30' 25"
R = 90.00'
T = 13.86
L = 27.50
TRACT No. 621
M.B. 15-182, 183
LOT 120
Proposed Tyler Ave.
NOTE: ℄ RCP OFFSET
3.0' NORTH
FROM E.C. STA. 5+47.08
TO B.C. STA. 17+55.45
POMONA FREEWAY R/W
15' S.D. Easement
Transit Line
Test Hole B-2
Test Hole B-1
4'-4 Strand B.W. Fn.
5'-3 Strand B.W. Fn.
4.5' B.W. Fn.
R.S. 52-16
℄ Storm Drain on ℄ Easement
15' Storm Drain Easement
POTRERO
(VACATED)
TRACT No. 621
M.B. 15-182, 183
LOT 120
See Sheet No. 4
PLAN
SCALE: 1" = 40'

1958 STORM DRAIN BOND ISSUE

PREPARED BY	REVISIONS			LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
JOHN A. LAMBIE, COUNTY ENGINEER	MARK	DATE	DESCRIPTION	PROJECT NO. 529 POTRERO GRANDE UNIT I, A PORTION OF LINE B CONCRETE CONDUIT STA. 4+62.33 TO STA. 15+00 PLAN AND PROFILE
RECOMMENDED BY C. H. Green, CONSTRUCTION AND STORM DRAIN ENGINEER	1	5-18-84	Permit 74165 Dwg. 364-1205-F1	
DRAWN BY R. Neville; DESIGNED BY R. Neville; TRACED BY H. Crenshaw; SUBMITTED BY R. Kalch; CHECKED BY R. Gardner; DATE 2-17-64				SCALE AS SHOWN; DATE FEB. '64; NO. 275-529-D5.3; SHEET 3 OF 16

AS BUILT
CONTRACT NO. 03342-4
RESIDENT ENGR. F.J. Teeter
DATE 5-8-67



1958 STORM DRAIN BOND ISSUE

PREPARED BY JOHN A. LAMBIE, COUNTY ENGINEER	REVISIONS	LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
RECOMMENDED BY C. H. Queen, CONSTRUCTION AND STORM DRAIN ENGINEER		PROJECT NO. 529 POTRERO GRANDE UNIT 1, A PORTION OF LINE E, CONCRETE CONDUIT STA. 15+00 TO STA. 28+93 PLAN AND PROFILE
DRAWN BY R. Neville, DESIGNED BY R. Neville, TRACED BY H. Crenshaw, SUBMITTED BY R. Reich, CHECKED BY R. Gardner, DATE 2-17-64		APPROVED BY CHIEF ENGINEER
		SCALE AS SHOWN, DATE FEB. '64, NO. 275-529-D5.4, SHEET 4 OF 16

AS BUILT
CONTRACT NO. 033424
RESIDENT ENGR. E.J. Taylor
DATE 2-8-67

PONDPACK
50-YEAR CALC

Orifice Calculations

Project Summary	
Title	
Engineer	
Company	
Date	1/3/2017

Notes

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Orifice Calculations

Subsection: User Notifications

User Notifications

Message Id	17
Scenario	Base
Element Type	Composite Outlet Structure
Element Id	21
Label	Outlet
Time	(N/A)
Message	Riser orifice equation controls at one or more headwater elevations for outlet structure.
Source	Information

Orifice Calculations

Subsection: Master Network Summary

Catchments Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft³)	Time to Peak (min)	Peak Flow (ft³/s)
DA1	Base	0	179,229.00	1,154.400	20.10

Node Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft³)	Time to Peak (min)	Peak Flow (ft³/s)
O-1	Base	0	174,235.00	1,164.400	7.80

Pond Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft³)	Time to Peak (min)	Peak Flow (ft³/s)	Maximum Water Surface Elevation (ft)	Maximum Pond Storage (ft³)
RDF-1 (IN)	Base	0	179,229.00	1,154.400	20.10	(N/A)	(N/A)
RDF-1 (OUT)	Base	0	174,235.00	1,164.400	7.80	4.47	29,650.00

Orifice Calculations

Subsection: Read Hydrograph
Scenario: Base
Label: DA1

Peak Discharge	20.10 ft³/s
Time to Peak	1,154.400 min
Hydrograph Volume	179,229.01 ft³

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
0.000	0.00	0.02	0.04	0.06	0.07
1.000	0.09	0.11	0.13	0.15	0.17
2.000	0.18	0.20	0.22	0.24	0.26
3.000	0.28	0.29	0.31	0.33	0.35
4.000	0.37	0.39	0.40	0.42	0.44
5.000	0.46	0.48	0.50	0.51	0.53
6.000	0.55	0.57	0.59	0.61	0.62
7.000	0.64	0.66	0.68	0.70	0.72
8.000	0.73	0.75	0.77	0.79	0.81
9.000	0.83	0.84	0.86	0.88	0.90
10.000	0.92	0.94	0.95	0.97	0.99
11.000	1.01	1.03	1.05	1.06	1.08
12.000	1.10	1.10	1.10	1.10	1.10
13.000	1.10	1.10	1.10	1.10	1.10
14.000	1.10	1.10	1.10	1.10	1.10
15.000	1.10	1.10	1.10	1.10	1.10
16.000	1.10	1.10	1.10	1.10	1.10
17.000	1.10	1.10	1.10	1.10	1.10
18.000	1.10	1.10	1.10	1.10	1.10
19.000	1.10	1.10	1.10	1.10	1.10
20.000	1.10	1.10	1.10	1.10	1.10
21.000	1.10	1.10	1.10	1.10	1.10
22.000	1.10	1.10	1.10	1.11	1.11
23.000	1.11	1.11	1.11	1.11	1.11
24.000	1.11	1.11	1.11	1.11	1.11
25.000	1.11	1.11	1.11	1.11	1.11
26.000	1.11	1.11	1.11	1.11	1.11
27.000	1.11	1.11	1.11	1.11	1.11
28.000	1.11	1.11	1.11	1.11	1.11
29.000	1.11	1.11	1.11	1.11	1.11
30.000	1.11	1.11	1.11	1.11	1.11
31.000	1.11	1.11	1.11	1.11	1.11
32.000	1.11	1.11	1.11	1.11	1.11
33.000	1.11	1.11	1.11	1.11	1.11
34.000	1.11	1.11	1.11	1.11	1.11
35.000	1.11	1.11	1.11	1.11	1.11
36.000	1.11	1.11	1.11	1.11	1.11

Orifice Calculations

Subsection: Read Hydrograph Scenario: Base

Label: DA1

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
37.000	1.11	1.11	1.11	1.11	1.11
38.000	1.11	1.11	1.11	1.11	1.11
39.000	1.11	1.11	1.11	1.11	1.11
40.000	1.11	1.11	1.11	1.11	1.11
41.000	1.11	1.11	1.11	1.11	1.11
42.000	1.11	1.11	1.11	1.11	1.11
43.000	1.11	1.11	1.11	1.11	1.11
44.000	1.11	1.12	1.12	1.12	1.12
45.000	1.12	1.12	1.12	1.12	1.12
46.000	1.12	1.12	1.12	1.12	1.12
47.000	1.12	1.12	1.12	1.12	1.12
48.000	1.12	1.12	1.12	1.12	1.12
49.000	1.12	1.12	1.12	1.12	1.12
50.000	1.12	1.12	1.12	1.12	1.12
51.000	1.12	1.12	1.12	1.12	1.12
52.000	1.12	1.12	1.12	1.12	1.12
53.000	1.12	1.12	1.12	1.12	1.12
54.000	1.12	1.12	1.12	1.12	1.12
55.000	1.12	1.12	1.12	1.12	1.12
56.000	1.12	1.12	1.12	1.12	1.12
57.000	1.12	1.12	1.12	1.12	1.12
58.000	1.12	1.12	1.12	1.12	1.12
59.000	1.12	1.12	1.12	1.12	1.12
60.000	1.12	1.12	1.12	1.12	1.12
61.000	1.12	1.12	1.12	1.12	1.12
62.000	1.12	1.12	1.12	1.12	1.12
63.000	1.12	1.12	1.12	1.12	1.12
64.000	1.12	1.12	1.12	1.12	1.12
65.000	1.12	1.13	1.13	1.13	1.13
66.000	1.13	1.13	1.13	1.13	1.13
67.000	1.13	1.13	1.13	1.13	1.13
68.000	1.13	1.13	1.13	1.13	1.13
69.000	1.13	1.13	1.13	1.13	1.13
70.000	1.13	1.13	1.13	1.13	1.13
71.000	1.13	1.13	1.13	1.13	1.13
72.000	1.13	1.13	1.13	1.13	1.13
73.000	1.13	1.13	1.13	1.13	1.13
74.000	1.13	1.13	1.13	1.13	1.13
75.000	1.13	1.13	1.13	1.13	1.13
76.000	1.13	1.13	1.13	1.13	1.13
77.000	1.13	1.13	1.13	1.13	1.13
78.000	1.13	1.13	1.13	1.13	1.13

Orifice Calculations

Subsection: Read Hydrograph
Scenario: Base
Label: DA1

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
79.000	1.13	1.13	1.13	1.13	1.13
80.000	1.13	1.13	1.13	1.13	1.13
81.000	1.13	1.13	1.13	1.13	1.13
82.000	1.13	1.13	1.13	1.13	1.13
83.000	1.13	1.13	1.13	1.13	1.13
84.000	1.13	1.13	1.13	1.13	1.13
85.000	1.13	1.13	1.13	1.14	1.14
86.000	1.14	1.14	1.14	1.14	1.14
87.000	1.14	1.14	1.14	1.14	1.14
88.000	1.14	1.14	1.14	1.14	1.14
89.000	1.14	1.14	1.14	1.14	1.14
90.000	1.14	1.14	1.14	1.14	1.14
91.000	1.14	1.14	1.14	1.14	1.14
92.000	1.14	1.14	1.14	1.14	1.14
93.000	1.14	1.14	1.14	1.14	1.14
94.000	1.14	1.14	1.14	1.14	1.14
95.000	1.14	1.14	1.14	1.14	1.14
96.000	1.14	1.14	1.14	1.14	1.14
97.000	1.14	1.14	1.14	1.14	1.14
98.000	1.14	1.14	1.14	1.14	1.14
99.000	1.14	1.14	1.14	1.14	1.14
100.000	1.14	1.14	1.14	1.14	1.14
101.000	1.14	1.14	1.14	1.14	1.14
102.000	1.14	1.14	1.14	1.14	1.14
103.000	1.14	1.14	1.14	1.14	1.14
104.000	1.14	1.14	1.14	1.14	1.14
105.000	1.14	1.14	1.15	1.15	1.15
106.000	1.15	1.15	1.15	1.15	1.15
107.000	1.15	1.15	1.15	1.15	1.15
108.000	1.15	1.15	1.15	1.15	1.15
109.000	1.15	1.15	1.15	1.15	1.15
110.000	1.15	1.15	1.15	1.15	1.15
111.000	1.15	1.15	1.15	1.15	1.15
112.000	1.15	1.15	1.15	1.15	1.15
113.000	1.15	1.15	1.15	1.15	1.15
114.000	1.15	1.15	1.15	1.15	1.15
115.000	1.15	1.15	1.15	1.15	1.15
116.000	1.15	1.15	1.15	1.15	1.15
117.000	1.15	1.15	1.15	1.15	1.15
118.000	1.15	1.15	1.15	1.15	1.15
119.000	1.15	1.15	1.15	1.15	1.15
120.000	1.15	1.15	1.15	1.15	1.15

Orifice Calculations

Subsection: Read Hydrograph
Scenario: Base
Label: DA1

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
121.000	1.15	1.15	1.15	1.15	1.15
122.000	1.15	1.15	1.15	1.15	1.15
123.000	1.15	1.15	1.15	1.15	1.15
124.000	1.15	1.15	1.15	1.16	1.16
125.000	1.16	1.16	1.16	1.16	1.16
126.000	1.16	1.16	1.16	1.16	1.16
127.000	1.16	1.16	1.16	1.16	1.16
128.000	1.16	1.16	1.16	1.16	1.16
129.000	1.16	1.16	1.16	1.16	1.16
130.000	1.16	1.16	1.16	1.16	1.16
131.000	1.16	1.16	1.16	1.16	1.16
132.000	1.16	1.16	1.16	1.16	1.16
133.000	1.16	1.16	1.16	1.16	1.16
134.000	1.16	1.16	1.16	1.16	1.16
135.000	1.16	1.16	1.16	1.16	1.16
136.000	1.16	1.16	1.16	1.16	1.16
137.000	1.16	1.16	1.16	1.16	1.16
138.000	1.16	1.16	1.16	1.16	1.16
139.000	1.16	1.16	1.16	1.16	1.16
140.000	1.16	1.16	1.16	1.16	1.16
141.000	1.16	1.16	1.16	1.16	1.16
142.000	1.16	1.16	1.16	1.16	1.16
143.000	1.16	1.16	1.17	1.17	1.17
144.000	1.17	1.17	1.17	1.17	1.17
145.000	1.17	1.17	1.17	1.17	1.17
146.000	1.17	1.17	1.17	1.17	1.17
147.000	1.17	1.17	1.17	1.17	1.17
148.000	1.17	1.17	1.17	1.17	1.17
149.000	1.17	1.17	1.17	1.17	1.17
150.000	1.17	1.17	1.17	1.17	1.17
151.000	1.17	1.17	1.17	1.17	1.17
152.000	1.17	1.17	1.17	1.17	1.17
153.000	1.17	1.17	1.17	1.17	1.17
154.000	1.17	1.17	1.17	1.17	1.17
155.000	1.17	1.17	1.17	1.17	1.17
156.000	1.17	1.17	1.17	1.17	1.17
157.000	1.17	1.17	1.17	1.17	1.17
158.000	1.17	1.17	1.17	1.17	1.17
159.000	1.17	1.17	1.17	1.17	1.17
160.000	1.17	1.17	1.17	1.17	1.17
161.000	1.17	1.17	1.17	1.17	1.18
162.000	1.18	1.18	1.18	1.18	1.18

Orifice Calculations

Subsection: Read Hydrograph
Scenario: Base
Label: DA1

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
163.000	1.18	1.18	1.18	1.18	1.18
164.000	1.18	1.18	1.18	1.18	1.18
165.000	1.18	1.18	1.18	1.18	1.18
166.000	1.18	1.18	1.18	1.18	1.18
167.000	1.18	1.18	1.18	1.18	1.18
168.000	1.18	1.18	1.18	1.18	1.18
169.000	1.18	1.18	1.18	1.18	1.18
170.000	1.18	1.18	1.18	1.18	1.18
171.000	1.18	1.18	1.18	1.18	1.18
172.000	1.18	1.18	1.18	1.18	1.18
173.000	1.18	1.18	1.18	1.18	1.18
174.000	1.18	1.18	1.18	1.18	1.18
175.000	1.18	1.18	1.18	1.18	1.18
176.000	1.18	1.18	1.18	1.18	1.18
177.000	1.18	1.18	1.18	1.18	1.18
178.000	1.18	1.18	1.18	1.18	1.18
179.000	1.18	1.18	1.18	1.19	1.19
180.000	1.19	1.19	1.19	1.19	1.19
181.000	1.19	1.19	1.19	1.19	1.19
182.000	1.19	1.19	1.19	1.19	1.19
183.000	1.19	1.19	1.19	1.19	1.19
184.000	1.19	1.19	1.19	1.19	1.19
185.000	1.19	1.19	1.19	1.19	1.19
186.000	1.19	1.19	1.19	1.19	1.19
187.000	1.19	1.19	1.19	1.19	1.19
188.000	1.19	1.19	1.19	1.19	1.19
189.000	1.19	1.19	1.19	1.19	1.19
190.000	1.19	1.19	1.19	1.19	1.19
191.000	1.19	1.19	1.19	1.19	1.19
192.000	1.19	1.19	1.19	1.19	1.19
193.000	1.19	1.19	1.19	1.19	1.19
194.000	1.19	1.19	1.19	1.19	1.19
195.000	1.19	1.19	1.19	1.19	1.19
196.000	1.19	1.19	1.19	1.19	1.20
197.000	1.20	1.20	1.20	1.20	1.20
198.000	1.20	1.20	1.20	1.20	1.20
199.000	1.20	1.20	1.20	1.20	1.20
200.000	1.20	1.20	1.20	1.20	1.20
201.000	1.20	1.20	1.20	1.20	1.20
202.000	1.20	1.20	1.20	1.20	1.20
203.000	1.20	1.20	1.20	1.20	1.20
204.000	1.20	1.20	1.20	1.20	1.20

Orifice Calculations

Subsection: Read Hydrograph
Scenario: Base
Label: DA1

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
205.000	1.20	1.20	1.20	1.20	1.20
206.000	1.20	1.20	1.20	1.20	1.20
207.000	1.20	1.20	1.20	1.20	1.20
208.000	1.20	1.20	1.20	1.20	1.20
209.000	1.20	1.20	1.20	1.20	1.20
210.000	1.20	1.20	1.20	1.20	1.20
211.000	1.20	1.20	1.20	1.20	1.20
212.000	1.20	1.20	1.20	1.20	1.20
213.000	1.20	1.20	1.20	1.20	1.21
214.000	1.21	1.21	1.21	1.21	1.21
215.000	1.21	1.21	1.21	1.21	1.21
216.000	1.21	1.21	1.21	1.21	1.21
217.000	1.21	1.21	1.21	1.21	1.21
218.000	1.21	1.21	1.21	1.21	1.21
219.000	1.21	1.21	1.21	1.21	1.21
220.000	1.21	1.21	1.21	1.21	1.21
221.000	1.21	1.21	1.21	1.21	1.21
222.000	1.21	1.21	1.21	1.21	1.21
223.000	1.21	1.21	1.21	1.21	1.21
224.000	1.21	1.21	1.21	1.21	1.21
225.000	1.21	1.21	1.21	1.21	1.21
226.000	1.21	1.21	1.21	1.21	1.21
227.000	1.21	1.21	1.21	1.21	1.21
228.000	1.21	1.21	1.21	1.21	1.21
229.000	1.21	1.21	1.21	1.21	1.21
230.000	1.21	1.22	1.22	1.22	1.22
231.000	1.22	1.22	1.22	1.22	1.22
232.000	1.22	1.22	1.22	1.22	1.22
233.000	1.22	1.22	1.22	1.22	1.22
234.000	1.22	1.22	1.22	1.22	1.22
235.000	1.22	1.22	1.22	1.22	1.22
236.000	1.22	1.22	1.22	1.22	1.22
237.000	1.22	1.22	1.22	1.22	1.22
238.000	1.22	1.22	1.22	1.22	1.22
239.000	1.22	1.22	1.22	1.22	1.22
240.000	1.22	1.22	1.22	1.22	1.22
241.000	1.22	1.22	1.22	1.22	1.22
242.000	1.22	1.22	1.22	1.22	1.22
243.000	1.22	1.22	1.22	1.22	1.22
244.000	1.22	1.22	1.22	1.22	1.22
245.000	1.22	1.22	1.22	1.22	1.22
246.000	1.22	1.23	1.23	1.23	1.23

Orifice Calculations

Subsection: Read Hydrograph
Scenario: Base
Label: DA1

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
247.000	1.23	1.23	1.23	1.23	1.23
248.000	1.23	1.23	1.23	1.23	1.23
249.000	1.23	1.23	1.23	1.23	1.23
250.000	1.23	1.23	1.23	1.23	1.23
251.000	1.23	1.23	1.23	1.23	1.23
252.000	1.23	1.23	1.23	1.23	1.23
253.000	1.23	1.23	1.23	1.23	1.23
254.000	1.23	1.23	1.23	1.23	1.23
255.000	1.23	1.23	1.23	1.23	1.23
256.000	1.23	1.23	1.23	1.23	1.23
257.000	1.23	1.23	1.23	1.23	1.23
258.000	1.23	1.23	1.23	1.23	1.23
259.000	1.23	1.23	1.23	1.23	1.23
260.000	1.23	1.23	1.23	1.23	1.23
261.000	1.23	1.23	1.23	1.23	1.23
262.000	1.24	1.24	1.24	1.24	1.24
263.000	1.24	1.24	1.24	1.24	1.24
264.000	1.24	1.24	1.24	1.24	1.24
265.000	1.24	1.24	1.24	1.24	1.24
266.000	1.24	1.24	1.24	1.24	1.24
267.000	1.24	1.24	1.24	1.24	1.24
268.000	1.24	1.24	1.24	1.24	1.24
269.000	1.24	1.24	1.24	1.24	1.24
270.000	1.24	1.24	1.24	1.24	1.24
271.000	1.24	1.24	1.24	1.24	1.24
272.000	1.24	1.24	1.24	1.24	1.24
273.000	1.24	1.24	1.24	1.24	1.24
274.000	1.24	1.24	1.24	1.24	1.24
275.000	1.24	1.24	1.24	1.24	1.24
276.000	1.24	1.24	1.24	1.24	1.24
277.000	1.24	1.25	1.25	1.25	1.25
278.000	1.25	1.25	1.25	1.25	1.25
279.000	1.25	1.25	1.25	1.25	1.25
280.000	1.25	1.25	1.25	1.25	1.25
281.000	1.25	1.25	1.25	1.25	1.25
282.000	1.25	1.25	1.25	1.25	1.25
283.000	1.25	1.25	1.25	1.25	1.25
284.000	1.25	1.25	1.25	1.25	1.25
285.000	1.25	1.25	1.25	1.25	1.25
286.000	1.25	1.25	1.25	1.25	1.25
287.000	1.25	1.25	1.25	1.25	1.25
288.000	1.25	1.25	1.25	1.25	1.25

Orifice Calculations

Subsection: Read Hydrograph Scenario: Base

Label: DA1

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
289.000	1.25	1.25	1.25	1.25	1.25
290.000	1.25	1.25	1.25	1.25	1.25
291.000	1.25	1.25	1.25	1.25	1.25
292.000	1.26	1.26	1.26	1.26	1.26
293.000	1.26	1.26	1.26	1.26	1.26
294.000	1.26	1.26	1.26	1.26	1.26
295.000	1.26	1.26	1.26	1.26	1.26
296.000	1.26	1.26	1.26	1.26	1.26
297.000	1.26	1.26	1.26	1.26	1.26
298.000	1.26	1.26	1.26	1.26	1.26
299.000	1.26	1.26	1.26	1.26	1.26
300.000	1.26	1.26	1.26	1.26	1.26
301.000	1.26	1.26	1.26	1.26	1.26
302.000	1.26	1.26	1.26	1.26	1.26
303.000	1.26	1.26	1.26	1.26	1.26
304.000	1.26	1.26	1.26	1.26	1.26
305.000	1.26	1.26	1.26	1.26	1.26
306.000	1.26	1.26	1.26	1.27	1.27
307.000	1.27	1.27	1.27	1.27	1.27
308.000	1.27	1.27	1.27	1.27	1.27
309.000	1.27	1.27	1.27	1.27	1.27
310.000	1.27	1.27	1.27	1.27	1.27
311.000	1.27	1.27	1.27	1.27	1.27
312.000	1.27	1.27	1.27	1.27	1.27
313.000	1.27	1.27	1.27	1.27	1.27
314.000	1.27	1.27	1.27	1.27	1.27
315.000	1.27	1.27	1.27	1.27	1.27
316.000	1.27	1.27	1.27	1.27	1.27
317.000	1.27	1.27	1.27	1.27	1.27
318.000	1.27	1.27	1.27	1.27	1.27
319.000	1.27	1.27	1.27	1.27	1.27
320.000	1.27	1.27	1.27	1.28	1.28
321.000	1.28	1.28	1.28	1.28	1.28
322.000	1.28	1.28	1.28	1.28	1.28
323.000	1.28	1.28	1.28	1.28	1.28
324.000	1.28	1.28	1.28	1.28	1.28
325.000	1.28	1.28	1.28	1.28	1.28
326.000	1.28	1.28	1.28	1.28	1.28
327.000	1.28	1.28	1.28	1.28	1.28
328.000	1.28	1.28	1.28	1.28	1.28
329.000	1.28	1.28	1.28	1.28	1.28
330.000	1.28	1.28	1.28	1.28	1.28

Orifice Calculations

Subsection: Read Hydrograph
Scenario: Base
Label: DA1

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
331.000	1.28	1.28	1.28	1.28	1.28
332.000	1.28	1.28	1.28	1.28	1.28
333.000	1.28	1.28	1.28	1.28	1.28
334.000	1.28	1.28	1.29	1.29	1.29
335.000	1.29	1.29	1.29	1.29	1.29
336.000	1.29	1.29	1.29	1.29	1.29
337.000	1.29	1.29	1.29	1.29	1.29
338.000	1.29	1.29	1.29	1.29	1.29
339.000	1.29	1.29	1.29	1.29	1.29
340.000	1.29	1.29	1.29	1.29	1.29
341.000	1.29	1.29	1.29	1.29	1.29
342.000	1.29	1.29	1.29	1.29	1.29
343.000	1.29	1.29	1.29	1.29	1.29
344.000	1.29	1.29	1.29	1.29	1.29
345.000	1.29	1.29	1.29	1.29	1.29
346.000	1.29	1.29	1.29	1.29	1.29
347.000	1.29	1.29	1.29	1.29	1.29
348.000	1.30	1.30	1.30	1.30	1.30
349.000	1.30	1.30	1.30	1.30	1.30
350.000	1.30	1.30	1.30	1.30	1.30
351.000	1.30	1.30	1.30	1.30	1.30
352.000	1.30	1.30	1.30	1.30	1.30
353.000	1.30	1.30	1.30	1.30	1.30
354.000	1.30	1.30	1.30	1.30	1.30
355.000	1.30	1.30	1.30	1.30	1.30
356.000	1.30	1.30	1.30	1.30	1.30
357.000	1.30	1.30	1.30	1.30	1.30
358.000	1.30	1.30	1.30	1.30	1.30
359.000	1.30	1.30	1.30	1.30	1.30
360.000	1.30	1.30	1.30	1.30	1.30
361.000	1.30	1.31	1.31	1.31	1.31
362.000	1.31	1.31	1.31	1.31	1.31
363.000	1.31	1.31	1.31	1.31	1.31
364.000	1.31	1.31	1.31	1.31	1.31
365.000	1.31	1.31	1.31	1.31	1.31
366.000	1.31	1.31	1.31	1.31	1.31
367.000	1.31	1.31	1.31	1.31	1.31
368.000	1.31	1.31	1.31	1.31	1.31
369.000	1.31	1.31	1.31	1.31	1.31
370.000	1.31	1.31	1.31	1.31	1.31
371.000	1.31	1.31	1.31	1.31	1.31
372.000	1.31	1.31	1.31	1.31	1.31

Orifice Calculations

Subsection: Read Hydrograph
Scenario: Base
Label: DA1

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
373.000	1.31	1.31	1.31	1.31	1.31
374.000	1.32	1.32	1.32	1.32	1.32
375.000	1.32	1.32	1.32	1.32	1.32
376.000	1.32	1.32	1.32	1.32	1.32
377.000	1.32	1.32	1.32	1.32	1.32
378.000	1.32	1.32	1.32	1.32	1.32
379.000	1.32	1.32	1.32	1.32	1.32
380.000	1.32	1.32	1.32	1.32	1.32
381.000	1.32	1.32	1.32	1.32	1.32
382.000	1.32	1.32	1.32	1.32	1.32
383.000	1.32	1.32	1.32	1.32	1.32
384.000	1.32	1.32	1.32	1.32	1.32
385.000	1.32	1.32	1.32	1.32	1.32
386.000	1.32	1.32	1.33	1.33	1.33
387.000	1.33	1.33	1.33	1.33	1.33
388.000	1.33	1.33	1.33	1.33	1.33
389.000	1.33	1.33	1.33	1.33	1.33
390.000	1.33	1.33	1.33	1.33	1.33
391.000	1.33	1.33	1.33	1.33	1.33
392.000	1.33	1.33	1.33	1.33	1.33
393.000	1.33	1.33	1.33	1.33	1.33
394.000	1.33	1.33	1.33	1.33	1.33
395.000	1.33	1.33	1.33	1.33	1.33
396.000	1.33	1.33	1.33	1.33	1.33
397.000	1.33	1.33	1.33	1.33	1.33
398.000	1.33	1.33	1.33	1.33	1.34
399.000	1.34	1.34	1.34	1.34	1.34
400.000	1.34	1.34	1.34	1.34	1.34
401.000	1.34	1.34	1.34	1.34	1.34
402.000	1.34	1.34	1.34	1.34	1.34
403.000	1.34	1.34	1.34	1.34	1.34
404.000	1.34	1.34	1.34	1.34	1.34
405.000	1.34	1.34	1.34	1.34	1.34
406.000	1.34	1.34	1.34	1.34	1.34
407.000	1.34	1.34	1.34	1.34	1.34
408.000	1.34	1.34	1.34	1.34	1.34
409.000	1.34	1.34	1.34	1.34	1.34
410.000	1.34	1.34	1.34	1.35	1.35
411.000	1.35	1.35	1.35	1.35	1.35
412.000	1.35	1.35	1.35	1.35	1.35
413.000	1.35	1.35	1.35	1.35	1.35
414.000	1.35	1.35	1.35	1.35	1.35

Orifice Calculations

Subsection: Read Hydrograph Scenario: Base

Label: DA1

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
415.000	1.35	1.35	1.35	1.35	1.35
416.000	1.35	1.35	1.35	1.35	1.35
417.000	1.35	1.35	1.35	1.35	1.35
418.000	1.35	1.35	1.35	1.35	1.35
419.000	1.35	1.35	1.35	1.35	1.35
420.000	1.35	1.35	1.35	1.35	1.35
421.000	1.35	1.35	1.35	1.35	1.35
422.000	1.35	1.35	1.36	1.36	1.36
423.000	1.36	1.36	1.36	1.36	1.36
424.000	1.36	1.36	1.36	1.36	1.36
425.000	1.36	1.36	1.36	1.36	1.36
426.000	1.36	1.36	1.36	1.36	1.36
427.000	1.36	1.36	1.36	1.36	1.36
428.000	1.36	1.36	1.36	1.36	1.36
429.000	1.36	1.36	1.36	1.36	1.36
430.000	1.36	1.36	1.36	1.36	1.36
431.000	1.36	1.36	1.36	1.36	1.36
432.000	1.36	1.36	1.36	1.36	1.36
433.000	1.36	1.36	1.36	1.36	1.37
434.000	1.37	1.37	1.37	1.37	1.37
435.000	1.37	1.37	1.37	1.37	1.37
436.000	1.37	1.37	1.37	1.37	1.37
437.000	1.37	1.37	1.37	1.37	1.37
438.000	1.37	1.37	1.37	1.37	1.37
439.000	1.37	1.37	1.37	1.37	1.37
440.000	1.37	1.37	1.37	1.37	1.37
441.000	1.37	1.37	1.37	1.37	1.37
442.000	1.37	1.37	1.37	1.37	1.37
443.000	1.37	1.37	1.37	1.37	1.37
444.000	1.37	1.37	1.37	1.37	1.37
445.000	1.38	1.38	1.38	1.38	1.38
446.000	1.38	1.38	1.38	1.38	1.38
447.000	1.38	1.38	1.38	1.38	1.38
448.000	1.38	1.38	1.38	1.38	1.38
449.000	1.38	1.38	1.38	1.38	1.38
450.000	1.38	1.38	1.38	1.38	1.38
451.000	1.38	1.38	1.38	1.38	1.38
452.000	1.38	1.38	1.38	1.38	1.38
453.000	1.38	1.38	1.38	1.38	1.38
454.000	1.38	1.38	1.38	1.38	1.38
455.000	1.38	1.38	1.38	1.38	1.39
456.000	1.39	1.39	1.39	1.39	1.39

Orifice Calculations

Subsection: Read Hydrograph
Scenario: Base
Label: DA1

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
457.000	1.39	1.39	1.39	1.39	1.39
458.000	1.39	1.39	1.39	1.39	1.39
459.000	1.39	1.39	1.39	1.39	1.39
460.000	1.39	1.39	1.39	1.39	1.39
461.000	1.39	1.39	1.39	1.39	1.39
462.000	1.39	1.39	1.39	1.39	1.39
463.000	1.39	1.39	1.39	1.39	1.39
464.000	1.39	1.39	1.39	1.39	1.39
465.000	1.39	1.39	1.39	1.39	1.39
466.000	1.39	1.39	1.39	1.40	1.40
467.000	1.40	1.40	1.40	1.40	1.40
468.000	1.40	1.40	1.40	1.40	1.40
469.000	1.40	1.40	1.40	1.40	1.40
470.000	1.40	1.40	1.40	1.40	1.40
471.000	1.40	1.40	1.40	1.40	1.40
472.000	1.40	1.40	1.40	1.40	1.40
473.000	1.40	1.40	1.40	1.40	1.40
474.000	1.40	1.40	1.40	1.40	1.40
475.000	1.40	1.40	1.40	1.40	1.40
476.000	1.40	1.40	1.40	1.40	1.40
477.000	1.41	1.41	1.41	1.41	1.41
478.000	1.41	1.41	1.41	1.41	1.41
479.000	1.41	1.41	1.41	1.41	1.41
480.000	1.41	1.41	1.41	1.41	1.41
481.000	1.41	1.41	1.41	1.41	1.41
482.000	1.41	1.41	1.41	1.41	1.41
483.000	1.41	1.41	1.41	1.41	1.41
484.000	1.41	1.41	1.41	1.41	1.41
485.000	1.41	1.41	1.41	1.41	1.41
486.000	1.41	1.41	1.41	1.41	1.41
487.000	1.41	1.42	1.42	1.42	1.42
488.000	1.42	1.42	1.42	1.42	1.42
489.000	1.42	1.42	1.42	1.42	1.42
490.000	1.42	1.42	1.42	1.42	1.42
491.000	1.42	1.42	1.42	1.42	1.42
492.000	1.42	1.42	1.42	1.42	1.42
493.000	1.42	1.42	1.42	1.42	1.42
494.000	1.42	1.42	1.42	1.42	1.42
495.000	1.42	1.42	1.42	1.42	1.42
496.000	1.42	1.42	1.42	1.42	1.42
497.000	1.42	1.43	1.43	1.43	1.43
498.000	1.43	1.43	1.43	1.43	1.43

Orifice Calculations

Subsection: Read Hydrograph Scenario: Base

Label: DA1

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
499.000	1.43	1.43	1.43	1.43	1.43
500.000	1.43	1.43	1.43	1.43	1.43
501.000	1.43	1.43	1.43	1.43	1.43
502.000	1.43	1.43	1.43	1.43	1.43
503.000	1.43	1.43	1.43	1.43	1.43
504.000	1.43	1.43	1.43	1.43	1.43
505.000	1.43	1.43	1.43	1.43	1.43
506.000	1.43	1.43	1.43	1.43	1.43
507.000	1.44	1.44	1.44	1.44	1.44
508.000	1.44	1.44	1.44	1.44	1.44
509.000	1.44	1.44	1.44	1.44	1.44
510.000	1.44	1.44	1.44	1.44	1.44
511.000	1.44	1.44	1.44	1.44	1.44
512.000	1.44	1.44	1.44	1.44	1.44
513.000	1.44	1.44	1.44	1.44	1.44
514.000	1.44	1.44	1.44	1.44	1.44
515.000	1.44	1.44	1.44	1.44	1.44
516.000	1.44	1.44	1.45	1.45	1.45
517.000	1.45	1.45	1.45	1.45	1.45
518.000	1.45	1.45	1.45	1.45	1.45
519.000	1.45	1.45	1.45	1.45	1.45
520.000	1.45	1.45	1.45	1.45	1.45
521.000	1.45	1.45	1.45	1.45	1.45
522.000	1.45	1.45	1.45	1.45	1.45
523.000	1.45	1.45	1.45	1.45	1.45
524.000	1.45	1.45	1.45	1.45	1.45
525.000	1.45	1.45	1.45	1.45	1.46
526.000	1.46	1.46	1.46	1.46	1.46
527.000	1.46	1.46	1.46	1.46	1.46
528.000	1.46	1.46	1.46	1.46	1.46
529.000	1.46	1.46	1.46	1.46	1.46
530.000	1.46	1.46	1.46	1.46	1.46
531.000	1.46	1.46	1.46	1.46	1.46
532.000	1.46	1.46	1.46	1.46	1.46
533.000	1.46	1.46	1.46	1.46	1.46
534.000	1.46	1.46	1.46	1.46	1.46
535.000	1.47	1.47	1.47	1.47	1.47
536.000	1.47	1.47	1.47	1.47	1.47
537.000	1.47	1.47	1.47	1.47	1.47
538.000	1.47	1.47	1.47	1.47	1.47
539.000	1.47	1.47	1.47	1.47	1.47
540.000	1.47	1.47	1.47	1.47	1.47

Orifice Calculations

Subsection: Read Hydrograph Scenario: Base

Label: DA1

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
541.000	1.47	1.47	1.47	1.47	1.47
542.000	1.47	1.47	1.47	1.47	1.47
543.000	1.47	1.47	1.47	1.47	1.48
544.000	1.48	1.48	1.48	1.48	1.48
545.000	1.48	1.48	1.48	1.48	1.48
546.000	1.48	1.48	1.48	1.48	1.48
547.000	1.48	1.48	1.48	1.48	1.48
548.000	1.48	1.48	1.48	1.48	1.48
549.000	1.48	1.48	1.48	1.48	1.48
550.000	1.48	1.48	1.48	1.48	1.48
551.000	1.48	1.48	1.48	1.48	1.48
552.000	1.48	1.48	1.48	1.49	1.49
553.000	1.49	1.49	1.49	1.49	1.49
554.000	1.49	1.49	1.49	1.49	1.49
555.000	1.49	1.49	1.49	1.49	1.49
556.000	1.49	1.49	1.49	1.49	1.49
557.000	1.49	1.49	1.49	1.49	1.49
558.000	1.49	1.49	1.49	1.49	1.49
559.000	1.49	1.49	1.49	1.49	1.49
560.000	1.49	1.49	1.49	1.49	1.49
561.000	1.49	1.50	1.50	1.50	1.50
562.000	1.50	1.50	1.50	1.50	1.50
563.000	1.50	1.50	1.50	1.50	1.50
564.000	1.50	1.50	1.50	1.50	1.50
565.000	1.50	1.50	1.50	1.50	1.50
566.000	1.50	1.50	1.50	1.50	1.50
567.000	1.50	1.50	1.50	1.50	1.50
568.000	1.50	1.50	1.50	1.50	1.50
569.000	1.50	1.50	1.50	1.51	1.51
570.000	1.51	1.51	1.51	1.51	1.51
571.000	1.51	1.51	1.51	1.51	1.51
572.000	1.51	1.51	1.51	1.51	1.51
573.000	1.51	1.51	1.51	1.51	1.51
574.000	1.51	1.51	1.51	1.51	1.51
575.000	1.51	1.51	1.51	1.51	1.51
576.000	1.51	1.51	1.51	1.51	1.51
577.000	1.51	1.51	1.51	1.51	1.52
578.000	1.52	1.52	1.52	1.52	1.52
579.000	1.52	1.52	1.52	1.52	1.52
580.000	1.52	1.52	1.52	1.52	1.52
581.000	1.52	1.52	1.52	1.52	1.52
582.000	1.52	1.52	1.52	1.52	1.52

Orifice Calculations

Subsection: Read Hydrograph
Scenario: Base
Label: DA1

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
583.000	1.52	1.52	1.52	1.52	1.52
584.000	1.52	1.52	1.52	1.52	1.52
585.000	1.52	1.52	1.52	1.52	1.52
586.000	1.53	1.53	1.53	1.53	1.53
587.000	1.53	1.53	1.53	1.53	1.53
588.000	1.53	1.53	1.53	1.53	1.53
589.000	1.53	1.53	1.53	1.53	1.53
590.000	1.53	1.53	1.53	1.53	1.53
591.000	1.53	1.53	1.53	1.53	1.53
592.000	1.53	1.53	1.53	1.53	1.53
593.000	1.53	1.53	1.53	1.53	1.54
594.000	1.54	1.54	1.54	1.54	1.54
595.000	1.54	1.54	1.54	1.54	1.54
596.000	1.54	1.54	1.54	1.54	1.54
597.000	1.54	1.54	1.54	1.54	1.54
598.000	1.54	1.54	1.54	1.54	1.54
599.000	1.54	1.54	1.54	1.54	1.54
600.000	1.54	1.54	1.54	1.54	1.54
601.000	1.54	1.54	1.54	1.55	1.55
602.000	1.55	1.55	1.55	1.55	1.55
603.000	1.55	1.55	1.55	1.55	1.55
604.000	1.55	1.55	1.55	1.55	1.55
605.000	1.55	1.55	1.55	1.55	1.55
606.000	1.55	1.55	1.55	1.55	1.55
607.000	1.55	1.55	1.55	1.55	1.55
608.000	1.55	1.55	1.55	1.55	1.55
609.000	1.55	1.56	1.56	1.56	1.56
610.000	1.56	1.56	1.56	1.56	1.56
611.000	1.56	1.56	1.56	1.56	1.56
612.000	1.56	1.56	1.56	1.56	1.56
613.000	1.56	1.56	1.56	1.56	1.56
614.000	1.56	1.56	1.56	1.56	1.56
615.000	1.56	1.56	1.56	1.56	1.56
616.000	1.56	1.56	1.56	1.57	1.57
617.000	1.57	1.57	1.57	1.57	1.57
618.000	1.57	1.57	1.57	1.57	1.57
619.000	1.57	1.57	1.57	1.57	1.57
620.000	1.57	1.57	1.57	1.57	1.57
621.000	1.57	1.57	1.57	1.57	1.57
622.000	1.57	1.57	1.57	1.57	1.57
623.000	1.57	1.57	1.57	1.57	1.57
624.000	1.58	1.58	1.58	1.58	1.58

Orifice Calculations

Subsection: Read Hydrograph Scenario: Base

Label: DA1

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
625.000	1.58	1.58	1.58	1.58	1.58
626.000	1.58	1.58	1.58	1.58	1.58
627.000	1.58	1.58	1.58	1.58	1.58
628.000	1.58	1.58	1.58	1.58	1.58
629.000	1.58	1.58	1.58	1.58	1.58
630.000	1.58	1.58	1.58	1.58	1.58
631.000	1.59	1.59	1.59	1.59	1.59
632.000	1.59	1.59	1.59	1.59	1.59
633.000	1.59	1.59	1.59	1.59	1.59
634.000	1.59	1.59	1.59	1.59	1.59
635.000	1.59	1.59	1.59	1.59	1.59
636.000	1.59	1.59	1.59	1.59	1.59
637.000	1.59	1.59	1.59	1.59	1.59
638.000	1.60	1.60	1.60	1.60	1.60
639.000	1.60	1.60	1.60	1.60	1.60
640.000	1.60	1.60	1.60	1.60	1.60
641.000	1.60	1.60	1.60	1.60	1.60
642.000	1.60	1.60	1.60	1.60	1.60
643.000	1.60	1.60	1.60	1.60	1.60
644.000	1.60	1.60	1.60	1.60	1.60
645.000	1.61	1.61	1.61	1.61	1.61
646.000	1.61	1.61	1.61	1.61	1.61
647.000	1.61	1.61	1.61	1.61	1.61
648.000	1.61	1.61	1.61	1.61	1.61
649.000	1.61	1.61	1.61	1.61	1.61
650.000	1.61	1.61	1.61	1.61	1.61
651.000	1.61	1.61	1.61	1.62	1.62
652.000	1.62	1.62	1.62	1.62	1.62
653.000	1.62	1.62	1.62	1.62	1.62
654.000	1.62	1.62	1.62	1.62	1.62
655.000	1.62	1.62	1.62	1.62	1.62
656.000	1.62	1.62	1.62	1.62	1.62
657.000	1.62	1.62	1.62	1.62	1.62
658.000	1.62	1.63	1.63	1.63	1.63
659.000	1.63	1.63	1.63	1.63	1.63
660.000	1.63	1.63	1.63	1.63	1.63
661.000	1.63	1.63	1.63	1.63	1.63
662.000	1.63	1.63	1.63	1.63	1.63
663.000	1.63	1.63	1.63	1.63	1.63
664.000	1.63	1.63	1.63	1.63	1.64
665.000	1.64	1.64	1.64	1.64	1.64
666.000	1.64	1.64	1.64	1.64	1.64

Orifice Calculations

Subsection: Read Hydrograph Scenario: Base

Label: DA1

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
667.000	1.64	1.64	1.64	1.64	1.64
668.000	1.64	1.64	1.64	1.64	1.64
669.000	1.64	1.64	1.64	1.64	1.64
670.000	1.64	1.64	1.64	1.64	1.64
671.000	1.64	1.65	1.65	1.65	1.65
672.000	1.65	1.65	1.65	1.65	1.65
673.000	1.65	1.65	1.65	1.65	1.65
674.000	1.65	1.65	1.65	1.65	1.65
675.000	1.65	1.65	1.65	1.65	1.65
676.000	1.65	1.65	1.65	1.65	1.65
677.000	1.65	1.65	1.66	1.66	1.66
678.000	1.66	1.66	1.66	1.66	1.66
679.000	1.66	1.66	1.66	1.66	1.66
680.000	1.66	1.66	1.66	1.66	1.66
681.000	1.66	1.66	1.66	1.66	1.66
682.000	1.66	1.66	1.66	1.66	1.66
683.000	1.66	1.66	1.67	1.67	1.67
684.000	1.67	1.67	1.67	1.67	1.67
685.000	1.67	1.67	1.67	1.67	1.67
686.000	1.67	1.67	1.67	1.67	1.67
687.000	1.67	1.67	1.67	1.67	1.67
688.000	1.67	1.67	1.67	1.67	1.67
689.000	1.67	1.67	1.68	1.68	1.68
690.000	1.68	1.68	1.68	1.68	1.68
691.000	1.68	1.68	1.68	1.68	1.68
692.000	1.68	1.68	1.68	1.68	1.68
693.000	1.68	1.68	1.68	1.68	1.68
694.000	1.68	1.68	1.68	1.68	1.68
695.000	1.68	1.68	1.69	1.69	1.69
696.000	1.69	1.69	1.69	1.69	1.69
697.000	1.69	1.69	1.69	1.69	1.69
698.000	1.69	1.69	1.69	1.69	1.69
699.000	1.69	1.69	1.69	1.69	1.69
700.000	1.69	1.69	1.69	1.69	1.69
701.000	1.69	1.70	1.70	1.70	1.70
702.000	1.70	1.70	1.70	1.70	1.70
703.000	1.70	1.70	1.70	1.70	1.70
704.000	1.70	1.70	1.70	1.70	1.70
705.000	1.70	1.70	1.70	1.70	1.70
706.000	1.70	1.70	1.70	1.70	1.71
707.000	1.71	1.71	1.71	1.71	1.71
708.000	1.71	1.71	1.71	1.71	1.71

Orifice Calculations

Subsection: Read Hydrograph
Scenario: Base
Label: DA1

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
709.000	1.71	1.71	1.71	1.71	1.71
710.000	1.71	1.71	1.71	1.71	1.71
711.000	1.71	1.71	1.71	1.71	1.71
712.000	1.71	1.71	1.72	1.72	1.72
713.000	1.72	1.72	1.72	1.72	1.72
714.000	1.72	1.72	1.72	1.72	1.72
715.000	1.72	1.72	1.72	1.72	1.72
716.000	1.72	1.72	1.72	1.72	1.72
717.000	1.72	1.72	1.72	1.72	1.72
718.000	1.73	1.73	1.73	1.73	1.73
719.000	1.73	1.73	1.73	1.73	1.73
720.000	1.73	1.73	1.73	1.73	1.73
721.000	1.73	1.73	1.73	1.73	1.73
722.000	1.73	1.73	1.73	1.73	1.73
723.000	1.73	1.74	1.74	1.74	1.74
724.000	1.74	1.74	1.74	1.74	1.74
725.000	1.74	1.74	1.74	1.74	1.74
726.000	1.74	1.74	1.74	1.74	1.74
727.000	1.74	1.74	1.74	1.74	1.74
728.000	1.74	1.74	1.74	1.75	1.75
729.000	1.75	1.75	1.75	1.75	1.75
730.000	1.75	1.75	1.75	1.75	1.75
731.000	1.75	1.75	1.75	1.75	1.75
732.000	1.75	1.75	1.75	1.75	1.75
733.000	1.75	1.75	1.75	1.75	1.76
734.000	1.76	1.76	1.76	1.76	1.76
735.000	1.76	1.76	1.76	1.76	1.76
736.000	1.76	1.76	1.76	1.76	1.76
737.000	1.76	1.76	1.76	1.76	1.76
738.000	1.76	1.76	1.76	1.76	1.77
739.000	1.77	1.77	1.77	1.77	1.77
740.000	1.77	1.77	1.77	1.77	1.77
741.000	1.77	1.77	1.77	1.77	1.77
742.000	1.77	1.77	1.77	1.77	1.77
743.000	1.77	1.77	1.77	1.77	1.78
744.000	1.78	1.78	1.78	1.78	1.78
745.000	1.78	1.78	1.78	1.78	1.78
746.000	1.78	1.78	1.78	1.78	1.78
747.000	1.78	1.78	1.78	1.78	1.78
748.000	1.78	1.78	1.78	1.78	1.79
749.000	1.79	1.79	1.79	1.79	1.79
750.000	1.79	1.79	1.79	1.79	1.79

Orifice Calculations

Subsection: Read Hydrograph
Scenario: Base
Label: DA1

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
751.000	1.79	1.79	1.79	1.79	1.79
752.000	1.79	1.79	1.79	1.79	1.79
753.000	1.79	1.79	1.79	1.80	1.80
754.000	1.80	1.80	1.80	1.80	1.80
755.000	1.80	1.80	1.80	1.80	1.80
756.000	1.80	1.80	1.80	1.80	1.80
757.000	1.80	1.80	1.80	1.80	1.80
758.000	1.80	1.80	1.81	1.81	1.81
759.000	1.81	1.81	1.81	1.81	1.81
760.000	1.81	1.81	1.81	1.81	1.81
761.000	1.81	1.81	1.81	1.81	1.81
762.000	1.81	1.81	1.81	1.81	1.81
763.000	1.82	1.82	1.82	1.82	1.82
764.000	1.82	1.82	1.82	1.82	1.82
765.000	1.82	1.82	1.82	1.82	1.82
766.000	1.82	1.82	1.82	1.82	1.82
767.000	1.82	1.82	1.82	1.83	1.83
768.000	1.83	1.83	1.83	1.83	1.83
769.000	1.83	1.83	1.83	1.83	1.83
770.000	1.83	1.83	1.83	1.83	1.83
771.000	1.83	1.83	1.83	1.83	1.83
772.000	1.83	1.84	1.84	1.84	1.84
773.000	1.84	1.84	1.84	1.84	1.84
774.000	1.84	1.84	1.84	1.84	1.84
775.000	1.84	1.84	1.84	1.84	1.84
776.000	1.84	1.84	1.84	1.85	1.85
777.000	1.85	1.85	1.85	1.85	1.85
778.000	1.85	1.85	1.85	1.85	1.85
779.000	1.85	1.85	1.85	1.85	1.85
780.000	1.85	1.85	1.85	1.85	1.85
781.000	1.86	1.86	1.86	1.86	1.86
782.000	1.86	1.86	1.86	1.86	1.86
783.000	1.86	1.86	1.86	1.86	1.86
784.000	1.86	1.86	1.86	1.86	1.86
785.000	1.86	1.87	1.87	1.87	1.87
786.000	1.87	1.87	1.87	1.87	1.87
787.000	1.87	1.87	1.87	1.87	1.87
788.000	1.87	1.87	1.87	1.87	1.87
789.000	1.87	1.87	1.88	1.88	1.88
790.000	1.88	1.88	1.88	1.88	1.88
791.000	1.88	1.88	1.88	1.88	1.88
792.000	1.88	1.88	1.88	1.88	1.88

Orifice Calculations

Subsection: Read Hydrograph
Scenario: Base
Label: DA1

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
793.000	1.88	1.88	1.88	1.89	1.89
794.000	1.89	1.89	1.89	1.89	1.89
795.000	1.89	1.89	1.89	1.89	1.89
796.000	1.89	1.89	1.89	1.89	1.89
797.000	1.89	1.89	1.89	1.90	1.90
798.000	1.90	1.90	1.90	1.90	1.90
799.000	1.90	1.90	1.90	1.90	1.90
800.000	1.90	1.90	1.90	1.90	1.90
801.000	1.90	1.90	1.90	1.91	1.91
802.000	1.91	1.91	1.91	1.91	1.91
803.000	1.91	1.91	1.91	1.91	1.91
804.000	1.91	1.91	1.91	1.91	1.91
805.000	1.91	1.91	1.91	1.92	1.92
806.000	1.92	1.92	1.92	1.92	1.92
807.000	1.92	1.92	1.92	1.92	1.92
808.000	1.92	1.92	1.92	1.92	1.92
809.000	1.92	1.92	1.92	1.93	1.93
810.000	1.93	1.93	1.93	1.93	1.93
811.000	1.93	1.93	1.93	1.93	1.93
812.000	1.93	1.93	1.93	1.93	1.93
813.000	1.93	1.93	1.94	1.94	1.94
814.000	1.94	1.94	1.94	1.94	1.94
815.000	1.94	1.94	1.94	1.94	1.94
816.000	1.94	1.94	1.94	1.94	1.94
817.000	1.94	1.95	1.95	1.95	1.95
818.000	1.95	1.95	1.95	1.95	1.95
819.000	1.95	1.95	1.95	1.95	1.95
820.000	1.95	1.95	1.95	1.95	1.96
821.000	1.96	1.96	1.96	1.96	1.96
822.000	1.96	1.96	1.96	1.96	1.96
823.000	1.96	1.96	1.96	1.96	1.96
824.000	1.96	1.96	1.97	1.97	1.97
825.000	1.97	1.97	1.97	1.97	1.97
826.000	1.97	1.97	1.97	1.97	1.97
827.000	1.97	1.97	1.97	1.97	1.97
828.000	1.98	1.98	1.98	1.98	1.98
829.000	1.98	1.98	1.98	1.98	1.98
830.000	1.98	1.98	1.98	1.98	1.98
831.000	1.98	1.98	1.98	1.99	1.99
832.000	1.99	1.99	1.99	1.99	1.99
833.000	1.99	1.99	1.99	1.99	1.99
834.000	1.99	1.99	1.99	1.99	1.99

Orifice Calculations

Subsection: Read Hydrograph
Scenario: Base
Label: DA1

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
835.000	2.00	2.00	2.00	2.00	2.00
836.000	2.00	2.00	2.00	2.00	2.00
837.000	2.00	2.00	2.00	2.00	2.00
838.000	2.00	2.00	2.01	2.01	2.01
839.000	2.01	2.01	2.01	2.01	2.01
840.000	2.01	2.01	2.01	2.01	2.01
841.000	2.01	2.01	2.01	2.01	2.02
842.000	2.02	2.02	2.02	2.02	2.02
843.000	2.02	2.02	2.02	2.02	2.02
844.000	2.02	2.02	2.02	2.02	2.02
845.000	2.02	2.03	2.03	2.03	2.03
846.000	2.03	2.03	2.03	2.03	2.03
847.000	2.03	2.03	2.03	2.03	2.03
848.000	2.03	2.03	2.04	2.04	2.04
849.000	2.04	2.04	2.04	2.04	2.04
850.000	2.04	2.04	2.04	2.04	2.04
851.000	2.04	2.04	2.04	2.05	2.05
852.000	2.05	2.05	2.05	2.05	2.05
853.000	2.05	2.05	2.05	2.05	2.05
854.000	2.05	2.05	2.05	2.05	2.06
855.000	2.06	2.06	2.06	2.06	2.06
856.000	2.06	2.06	2.06	2.06	2.06
857.000	2.06	2.06	2.06	2.06	2.07
858.000	2.07	2.07	2.07	2.07	2.07
859.000	2.07	2.07	2.07	2.07	2.07
860.000	2.07	2.07	2.07	2.07	2.07
861.000	2.08	2.08	2.08	2.08	2.08
862.000	2.08	2.08	2.08	2.08	2.08
863.000	2.08	2.08	2.08	2.08	2.08
864.000	2.09	2.09	2.09	2.09	2.09
865.000	2.09	2.09	2.09	2.09	2.09
866.000	2.09	2.09	2.09	2.09	2.09
867.000	2.10	2.10	2.10	2.10	2.10
868.000	2.10	2.10	2.10	2.10	2.10
869.000	2.10	2.10	2.10	2.10	2.11
870.000	2.11	2.11	2.11	2.11	2.11
871.000	2.11	2.11	2.11	2.11	2.11
872.000	2.11	2.11	2.11	2.11	2.12
873.000	2.12	2.12	2.12	2.12	2.12
874.000	2.12	2.12	2.12	2.12	2.12
875.000	2.12	2.12	2.12	2.13	2.13
876.000	2.13	2.13	2.13	2.13	2.13

Orifice Calculations

Subsection: Read Hydrograph
Scenario: Base
Label: DA1

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
877.000	2.13	2.13	2.13	2.13	2.13
878.000	2.13	2.13	2.14	2.14	2.14
879.000	2.14	2.14	2.14	2.14	2.14
880.000	2.14	2.14	2.14	2.14	2.14
881.000	2.14	2.15	2.15	2.15	2.15
882.000	2.15	2.15	2.15	2.15	2.15
883.000	2.15	2.15	2.15	2.15	2.15
884.000	2.16	2.16	2.16	2.16	2.16
885.000	2.16	2.16	2.16	2.16	2.16
886.000	2.16	2.16	2.16	2.17	2.17
887.000	2.17	2.17	2.17	2.17	2.17
888.000	2.17	2.17	2.17	2.17	2.17
889.000	2.17	2.18	2.18	2.18	2.18
890.000	2.18	2.18	2.18	2.18	2.18
891.000	2.18	2.18	2.18	2.18	2.19
892.000	2.19	2.19	2.19	2.19	2.19
893.000	2.19	2.19	2.19	2.19	2.19
894.000	2.19	2.19	2.20	2.20	2.20
895.000	2.20	2.20	2.20	2.20	2.20
896.000	2.20	2.20	2.20	2.20	2.20
897.000	2.21	2.21	2.21	2.21	2.21
898.000	2.21	2.21	2.21	2.21	2.21
899.000	2.21	2.21	2.22	2.22	2.22
900.000	2.22	2.22	2.22	2.22	2.22
901.000	2.22	2.22	2.22	2.22	2.22
902.000	2.23	2.23	2.23	2.23	2.23
903.000	2.23	2.23	2.23	2.23	2.23
904.000	2.23	2.23	2.24	2.24	2.24
905.000	2.24	2.24	2.24	2.24	2.24
906.000	2.24	2.24	2.24	2.24	2.25
907.000	2.25	2.25	2.25	2.25	2.25
908.000	2.25	2.25	2.25	2.25	2.25
909.000	2.25	2.26	2.26	2.26	2.26
910.000	2.26	2.26	2.26	2.26	2.26
911.000	2.26	2.26	2.27	2.27	2.27
912.000	2.27	2.27	2.27	2.27	2.27
913.000	2.27	2.27	2.27	2.27	2.28
914.000	2.28	2.28	2.28	2.28	2.28
915.000	2.28	2.28	2.28	2.28	2.28
916.000	2.29	2.29	2.29	2.29	2.29
917.000	2.29	2.29	2.29	2.29	2.29
918.000	2.29	2.30	2.30	2.30	2.30

Orifice Calculations

Subsection: Read Hydrograph Scenario: Base

Label: DA1

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
919.000	2.30	2.30	2.30	2.30	2.30
920.000	2.30	2.30	2.31	2.31	2.31
921.000	2.31	2.31	2.31	2.31	2.31
922.000	2.31	2.31	2.31	2.32	2.32
923.000	2.32	2.32	2.32	2.32	2.32
924.000	2.32	2.32	2.32	2.32	2.33
925.000	2.33	2.33	2.33	2.33	2.33
926.000	2.33	2.33	2.33	2.33	2.33
927.000	2.34	2.34	2.34	2.34	2.34
928.000	2.34	2.34	2.34	2.34	2.34
929.000	2.35	2.35	2.35	2.35	2.35
930.000	2.35	2.35	2.35	2.35	2.35
931.000	2.36	2.36	2.36	2.36	2.36
932.000	2.36	2.36	2.36	2.36	2.36
933.000	2.36	2.37	2.37	2.37	2.37
934.000	2.37	2.37	2.37	2.37	2.37
935.000	2.37	2.38	2.38	2.38	2.38
936.000	2.38	2.38	2.38	2.38	2.38
937.000	2.38	2.39	2.39	2.39	2.39
938.000	2.39	2.39	2.39	2.39	2.39
939.000	2.40	2.40	2.40	2.40	2.40
940.000	2.40	2.40	2.40	2.40	2.40
941.000	2.41	2.41	2.41	2.41	2.41
942.000	2.41	2.41	2.41	2.41	2.41
943.000	2.42	2.42	2.42	2.42	2.42
944.000	2.42	2.42	2.42	2.42	2.43
945.000	2.43	2.43	2.43	2.43	2.43
946.000	2.43	2.43	2.43	2.44	2.44
947.000	2.44	2.44	2.44	2.44	2.44
948.000	2.44	2.44	2.45	2.45	2.45
949.000	2.45	2.45	2.45	2.45	2.45
950.000	2.45	2.45	2.46	2.46	2.46
951.000	2.46	2.46	2.46	2.46	2.46
952.000	2.47	2.47	2.47	2.47	2.47
953.000	2.47	2.47	2.47	2.47	2.48
954.000	2.48	2.48	2.48	2.48	2.48
955.000	2.48	2.48	2.48	2.49	2.49
956.000	2.49	2.49	2.49	2.49	2.49
957.000	2.49	2.49	2.50	2.50	2.50
958.000	2.50	2.50	2.50	2.50	2.50
959.000	2.51	2.51	2.51	2.51	2.51
960.000	2.51	2.51	2.51	2.51	2.52

Orifice Calculations

Subsection: Read Hydrograph
Scenario: Base
Label: DA1

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
961.000	2.52	2.52	2.52	2.52	2.52
962.000	2.52	2.52	2.53	2.53	2.53
963.000	2.53	2.53	2.53	2.53	2.53
964.000	2.54	2.54	2.54	2.54	2.54
965.000	2.54	2.54	2.54	2.55	2.55
966.000	2.55	2.55	2.55	2.55	2.55
967.000	2.55	2.56	2.56	2.56	2.56
968.000	2.56	2.56	2.56	2.56	2.57
969.000	2.57	2.57	2.57	2.57	2.57
970.000	2.57	2.57	2.58	2.58	2.58
971.000	2.58	2.58	2.58	2.58	2.58
972.000	2.59	2.59	2.59	2.59	2.59
973.000	2.59	2.59	2.60	2.60	2.60
974.000	2.60	2.60	2.60	2.60	2.60
975.000	2.61	2.61	2.61	2.61	2.61
976.000	2.61	2.61	2.62	2.62	2.62
977.000	2.62	2.62	2.62	2.62	2.63
978.000	2.63	2.63	2.63	2.63	2.63
979.000	2.63	2.63	2.64	2.64	2.64
980.000	2.64	2.64	2.64	2.64	2.65
981.000	2.65	2.65	2.65	2.65	2.65
982.000	2.65	2.66	2.66	2.66	2.66
983.000	2.66	2.66	2.66	2.67	2.67
984.000	2.67	2.67	2.67	2.67	2.67
985.000	2.68	2.68	2.68	2.68	2.68
986.000	2.68	2.68	2.69	2.69	2.69
987.000	2.69	2.69	2.69	2.70	2.70
988.000	2.70	2.70	2.70	2.70	2.70
989.000	2.71	2.71	2.71	2.71	2.71
990.000	2.71	2.71	2.72	2.72	2.72
991.000	2.72	2.72	2.72	2.73	2.73
992.000	2.73	2.73	2.73	2.73	2.73
993.000	2.74	2.74	2.74	2.74	2.74
994.000	2.74	2.75	2.75	2.75	2.75
995.000	2.75	2.75	2.76	2.76	2.76
996.000	2.76	2.76	2.76	2.76	2.77
997.000	2.77	2.77	2.77	2.77	2.77
998.000	2.78	2.78	2.78	2.78	2.78
999.000	2.78	2.79	2.79	2.79	2.79
1,000.000	2.79	2.79	2.80	2.80	2.80
1,001.000	2.80	2.80	2.80	2.81	2.81
1,002.000	2.81	2.81	2.81	2.81	2.82

Orifice Calculations

Subsection: Read Hydrograph
Scenario: Base
Label: DA1

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
1,003.000	2.82	2.82	2.82	2.82	2.82
1,004.000	2.83	2.83	2.83	2.83	2.83
1,005.000	2.84	2.84	2.84	2.84	2.84
1,006.000	2.84	2.85	2.85	2.85	2.85
1,007.000	2.85	2.85	2.86	2.86	2.86
1,008.000	2.86	2.86	2.87	2.87	2.87
1,009.000	2.87	2.87	2.87	2.88	2.88
1,010.000	2.88	2.88	2.88	2.89	2.89
1,011.000	2.89	2.89	2.89	2.89	2.90
1,012.000	2.90	2.90	2.90	2.90	2.91
1,013.000	2.91	2.91	2.91	2.91	2.92
1,014.000	2.92	2.92	2.92	2.92	2.92
1,015.000	2.93	2.93	2.93	2.93	2.93
1,016.000	2.94	2.94	2.94	2.94	2.94
1,017.000	2.95	2.95	2.95	2.95	2.95
1,018.000	2.96	2.96	2.96	2.96	2.96
1,019.000	2.97	2.97	2.97	2.97	2.97
1,020.000	2.98	2.98	2.98	2.98	2.98
1,021.000	2.99	2.99	2.99	2.99	2.99
1,022.000	3.00	3.00	3.00	3.00	3.00
1,023.000	3.01	3.01	3.01	3.01	3.02
1,024.000	3.02	3.02	3.02	3.02	3.03
1,025.000	3.03	3.03	3.03	3.03	3.04
1,026.000	3.04	3.04	3.04	3.05	3.05
1,027.000	3.05	3.05	3.05	3.06	3.06
1,028.000	3.06	3.06	3.07	3.07	3.07
1,029.000	3.07	3.07	3.08	3.08	3.08
1,030.000	3.08	3.09	3.09	3.09	3.09
1,031.000	3.09	3.10	3.10	3.10	3.10
1,032.000	3.11	3.11	3.11	3.11	3.12
1,033.000	3.12	3.12	3.12	3.12	3.13
1,034.000	3.13	3.13	3.13	3.14	3.14
1,035.000	3.14	3.14	3.15	3.15	3.15
1,036.000	3.15	3.16	3.16	3.16	3.16
1,037.000	3.17	3.17	3.17	3.17	3.18
1,038.000	3.18	3.18	3.18	3.19	3.19
1,039.000	3.19	3.19	3.20	3.20	3.20
1,040.000	3.20	3.21	3.21	3.21	3.21
1,041.000	3.22	3.22	3.22	3.22	3.23
1,042.000	3.23	3.23	3.23	3.24	3.24
1,043.000	3.24	3.25	3.25	3.25	3.25
1,044.000	3.26	3.26	3.26	3.26	3.27

Orifice Calculations

Subsection: Read Hydrograph Scenario: Base

Label: DA1

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
1,045.000	3.27	3.27	3.28	3.28	3.28
1,046.000	3.28	3.29	3.29	3.29	3.29
1,047.000	3.30	3.30	3.30	3.31	3.31
1,048.000	3.31	3.31	3.32	3.32	3.32
1,049.000	3.33	3.33	3.33	3.33	3.34
1,050.000	3.34	3.34	3.35	3.35	3.35
1,051.000	3.35	3.36	3.36	3.36	3.37
1,052.000	3.37	3.37	3.38	3.38	3.38
1,053.000	3.38	3.39	3.39	3.39	3.40
1,054.000	3.40	3.40	3.41	3.41	3.41
1,055.000	3.42	3.42	3.42	3.42	3.43
1,056.000	3.43	3.43	3.44	3.44	3.44
1,057.000	3.45	3.45	3.45	3.46	3.46
1,058.000	3.46	3.47	3.47	3.47	3.48
1,059.000	3.48	3.48	3.49	3.49	3.49
1,060.000	3.50	3.50	3.50	3.51	3.51
1,061.000	3.51	3.52	3.52	3.52	3.53
1,062.000	3.53	3.53	3.54	3.54	3.54
1,063.000	3.55	3.55	3.55	3.56	3.56
1,064.000	3.57	3.57	3.57	3.58	3.58
1,065.000	3.58	3.59	3.59	3.59	3.60
1,066.000	3.60	3.61	3.61	3.61	3.62
1,067.000	3.62	3.62	3.63	3.63	3.64
1,068.000	3.64	3.64	3.65	3.65	3.65
1,069.000	3.66	3.66	3.67	3.67	3.67
1,070.000	3.68	3.68	3.69	3.69	3.69
1,071.000	3.70	3.70	3.71	3.71	3.71
1,072.000	3.72	3.72	3.73	3.73	3.73
1,073.000	3.74	3.74	3.75	3.75	3.76
1,074.000	3.76	3.76	3.77	3.77	3.78
1,075.000	3.78	3.79	3.79	3.79	3.80
1,076.000	3.80	3.81	3.81	3.82	3.82
1,077.000	3.82	3.83	3.83	3.84	3.84
1,078.000	3.85	3.85	3.86	3.86	3.87
1,079.000	3.87	3.87	3.88	3.88	3.89
1,080.000	3.89	3.90	3.90	3.91	3.91
1,081.000	3.92	3.92	3.93	3.93	3.94
1,082.000	3.94	3.95	3.95	3.96	3.96
1,083.000	3.97	3.97	3.98	3.98	3.99
1,084.000	3.99	4.00	4.00	4.01	4.01
1,085.000	4.02	4.02	4.03	4.03	4.04
1,086.000	4.04	4.05	4.05	4.06	4.06

Orifice Calculations

Subsection: Read Hydrograph
Scenario: Base
Label: DA1

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
1,087.000	4.07	4.08	4.08	4.09	4.09
1,088.000	4.10	4.10	4.11	4.11	4.12
1,089.000	4.12	4.13	4.14	4.14	4.15
1,090.000	4.15	4.16	4.16	4.17	4.18
1,091.000	4.18	4.19	4.19	4.20	4.21
1,092.000	4.21	4.22	4.22	4.23	4.24
1,093.000	4.24	4.25	4.26	4.26	4.27
1,094.000	4.27	4.28	4.29	4.29	4.30
1,095.000	4.31	4.31	4.32	4.33	4.33
1,096.000	4.34	4.35	4.35	4.36	4.37
1,097.000	4.37	4.38	4.39	4.39	4.40
1,098.000	4.41	4.41	4.42	4.43	4.43
1,099.000	4.44	4.45	4.46	4.46	4.47
1,100.000	4.48	4.48	4.49	4.50	4.51
1,101.000	4.51	4.52	4.53	4.54	4.54
1,102.000	4.55	4.56	4.57	4.58	4.58
1,103.000	4.59	4.60	4.61	4.62	4.62
1,104.000	4.63	4.64	4.65	4.66	4.66
1,105.000	4.67	4.68	4.69	4.70	4.71
1,106.000	4.71	4.72	4.73	4.74	4.75
1,107.000	4.76	4.77	4.78	4.78	4.79
1,108.000	4.80	4.81	4.82	4.83	4.84
1,109.000	4.85	4.86	4.87	4.88	4.89
1,110.000	4.90	4.91	4.92	4.93	4.94
1,111.000	4.95	4.96	4.97	4.98	4.99
1,112.000	5.00	5.01	5.02	5.03	5.04
1,113.000	5.05	5.06	5.07	5.08	5.09
1,114.000	5.10	5.11	5.12	5.14	5.15
1,115.000	5.16	5.17	5.18	5.19	5.20
1,116.000	5.22	5.23	5.24	5.25	5.26
1,117.000	5.28	5.29	5.30	5.31	5.33
1,118.000	5.34	5.35	5.36	5.38	5.39
1,119.000	5.40	5.42	5.43	5.44	5.46
1,120.000	5.47	5.48	5.50	5.51	5.53
1,121.000	5.54	5.56	5.57	5.58	5.60
1,122.000	5.61	5.63	5.64	5.66	5.67
1,123.000	5.69	5.70	5.72	5.74	5.75
1,124.000	5.77	5.78	5.80	5.82	5.83
1,125.000	5.85	5.87	5.89	5.90	5.92
1,126.000	5.94	5.96	5.97	5.99	6.01
1,127.000	6.03	6.05	6.07	6.09	6.11
1,128.000	6.12	6.14	6.16	6.18	6.20

Orifice Calculations

Subsection: Read Hydrograph
Scenario: Base
Label: DA1

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
1,129.000	6.23	6.25	6.27	6.29	6.31
1,130.000	6.33	6.35	6.37	6.40	6.42
1,131.000	6.44	6.47	6.49	6.51	6.54
1,132.000	6.56	6.59	6.61	6.64	6.66
1,133.000	6.69	6.71	6.74	6.77	6.79
1,134.000	6.82	6.85	6.88	6.90	6.93
1,135.000	6.96	6.99	7.02	7.05	7.08
1,136.000	7.12	7.15	7.18	7.21	7.25
1,137.000	7.28	7.32	7.35	7.39	7.42
1,138.000	7.46	7.50	7.54	7.57	7.61
1,139.000	7.65	7.70	7.74	7.78	7.82
1,140.000	7.87	7.91	7.96	8.00	8.05
1,141.000	8.10	8.15	8.20	8.25	8.30
1,142.000	8.35	8.41	8.46	8.52	8.58
1,143.000	8.64	8.70	8.76	8.83	8.89
1,144.000	8.96	9.03	9.10	9.17	9.24
1,145.000	9.32	9.40	9.48	9.56	9.65
1,146.000	9.74	9.83	9.92	10.02	10.12
1,147.000	10.22	10.33	10.44	10.56	10.68
1,148.000	10.81	10.94	11.08	11.22	11.37
1,149.000	11.53	11.70	11.88	12.07	12.27
1,150.000	12.49	12.73	12.98	13.26	13.56
1,151.000	13.91	14.30	14.76	15.33	16.10
1,152.000	18.05	18.98	19.31	19.52	19.68
1,153.000	19.80	19.89	19.96	20.02	20.05
1,154.000	20.08	20.09	20.10	20.09	20.08
1,155.000	20.06	20.03	20.00	19.96	19.91
1,156.000	19.86	19.80	19.74	19.67	19.60
1,157.000	19.52	19.43	19.34	19.25	19.14
1,158.000	19.04	18.93	18.81	18.69	18.56
1,159.000	18.42	18.28	18.14	17.99	17.83
1,160.000	17.66	17.48	17.30	17.11	16.91
1,161.000	16.70	16.48	16.25	16.00	15.74
1,162.000	15.46	15.17	14.85	14.51	14.14
1,163.000	13.73	13.27	12.74	12.10	11.26
1,164.000	9.26	8.27	7.88	7.59	7.35
1,165.000	7.15	6.98	6.82	6.68	6.56
1,166.000	6.44	6.33	6.23	6.13	6.04
1,167.000	5.96	5.88	5.80	5.73	5.66
1,168.000	5.59	5.53	5.46	5.40	5.35
1,169.000	5.29	5.24	5.19	5.14	5.09
1,170.000	5.05	5.00	4.96	4.92	4.87

Orifice Calculations

Subsection: Read Hydrograph Scenario: Base

Label: DA1

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
1,171.000	4.83	4.80	4.76	4.72	4.69
1,172.000	4.65	4.62	4.58	4.55	4.52
1,173.000	4.49	4.46	4.43	4.40	4.37
1,174.000	4.34	4.32	4.29	4.26	4.24
1,175.000	4.21	4.19	4.16	4.14	4.12
1,176.000	4.09	4.07	4.05	4.03	4.01
1,177.000	3.99	3.97	3.94	3.92	3.91
1,178.000	3.89	3.87	3.85	3.83	3.81
1,179.000	3.79	3.78	3.76	3.74	3.73
1,180.000	3.71	3.69	3.68	3.66	3.64
1,181.000	3.63	3.61	3.60	3.58	3.57
1,182.000	3.55	3.54	3.53	3.51	3.50
1,183.000	3.49	3.47	3.46	3.45	3.43
1,184.000	3.42	3.41	3.39	3.38	3.37
1,185.000	3.36	3.35	3.33	3.32	3.31
1,186.000	3.30	3.29	3.28	3.27	3.26
1,187.000	3.24	3.23	3.22	3.21	3.20
1,188.000	3.19	3.18	3.17	3.16	3.15
1,189.000	3.14	3.13	3.12	3.11	3.10
1,190.000	3.10	3.09	3.08	3.07	3.06
1,191.000	3.05	3.04	3.03	3.02	3.02
1,192.000	3.01	3.00	2.99	2.98	2.97
1,193.000	2.97	2.96	2.95	2.94	2.93
1,194.000	2.93	2.92	2.91	2.90	2.90
1,195.000	2.89	2.88	2.87	2.87	2.86
1,196.000	2.85	2.84	2.84	2.83	2.82
1,197.000	2.82	2.81	2.80	2.80	2.79
1,198.000	2.78	2.78	2.77	2.76	2.76
1,199.000	2.75	2.74	2.74	2.73	2.73
1,200.000	2.72	2.71	2.71	2.70	2.69
1,201.000	2.69	2.68	2.68	2.67	2.67
1,202.000	2.66	2.65	2.65	2.64	2.64
1,203.000	2.63	2.63	2.62	2.62	2.61
1,204.000	2.60	2.60	2.59	2.59	2.58
1,205.000	2.58	2.57	2.57	2.56	2.56
1,206.000	2.55	2.55	2.54	2.54	2.53
1,207.000	2.53	2.52	2.52	2.51	2.51
1,208.000	2.50	2.50	2.49	2.49	2.48
1,209.000	2.48	2.48	2.47	2.47	2.46
1,210.000	2.46	2.45	2.45	2.44	2.44
1,211.000	2.44	2.43	2.43	2.42	2.42
1,212.000	2.41	2.41	2.41	2.40	2.40

Orifice Calculations

Subsection: Read Hydrograph Scenario: Base

Label: DA1

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
1,213.000	2.39	2.39	2.38	2.38	2.38
1,214.000	2.37	2.37	2.36	2.36	2.36
1,215.000	2.35	2.35	2.35	2.34	2.34
1,216.000	2.33	2.33	2.33	2.32	2.32
1,217.000	2.31	2.31	2.31	2.30	2.30
1,218.000	2.30	2.29	2.29	2.29	2.28
1,219.000	2.28	2.28	2.27	2.27	2.26
1,220.000	2.26	2.26	2.25	2.25	2.25
1,221.000	2.24	2.24	2.24	2.23	2.23
1,222.000	2.23	2.22	2.22	2.22	2.21
1,223.000	2.21	2.21	2.21	2.20	2.20
1,224.000	2.20	2.19	2.19	2.19	2.18
1,225.000	2.18	2.18	2.17	2.17	2.17
1,226.000	2.16	2.16	2.16	2.16	2.15
1,227.000	2.15	2.15	2.14	2.14	2.14
1,228.000	2.14	2.13	2.13	2.13	2.12
1,229.000	2.12	2.12	2.12	2.11	2.11
1,230.000	2.11	2.10	2.10	2.10	2.10
1,231.000	2.09	2.09	2.09	2.09	2.08
1,232.000	2.08	2.08	2.07	2.07	2.07
1,233.000	2.07	2.06	2.06	2.06	2.06
1,234.000	2.05	2.05	2.05	2.05	2.04
1,235.000	2.04	2.04	2.04	2.03	2.03
1,236.000	2.03	2.03	2.02	2.02	2.02
1,237.000	2.02	2.01	2.01	2.01	2.01
1,238.000	2.01	2.00	2.00	2.00	2.00
1,239.000	1.99	1.99	1.99	1.99	1.98
1,240.000	1.98	1.98	1.98	1.98	1.97
1,241.000	1.97	1.97	1.97	1.96	1.96
1,242.000	1.96	1.96	1.96	1.95	1.95
1,243.000	1.95	1.95	1.94	1.94	1.94
1,244.000	1.94	1.94	1.93	1.93	1.93
1,245.000	1.93	1.93	1.92	1.92	1.92
1,246.000	1.92	1.92	1.91	1.91	1.91
1,247.000	1.91	1.90	1.90	1.90	1.90
1,248.000	1.90	1.89	1.89	1.89	1.89
1,249.000	1.89	1.89	1.88	1.88	1.88
1,250.000	1.88	1.88	1.87	1.87	1.87
1,251.000	1.87	1.87	1.86	1.86	1.86
1,252.000	1.86	1.86	1.85	1.85	1.85
1,253.000	1.85	1.85	1.85	1.84	1.84
1,254.000	1.84	1.84	1.84	1.83	1.83

Orifice Calculations

Subsection: Read Hydrograph
Scenario: Base
Label: DA1

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
1,255.000	1.83	1.83	1.83	1.83	1.82
1,256.000	1.82	1.82	1.82	1.82	1.82
1,257.000	1.81	1.81	1.81	1.81	1.81
1,258.000	1.81	1.80	1.80	1.80	1.80
1,259.000	1.80	1.80	1.79	1.79	1.79
1,260.000	1.79	1.79	1.79	1.78	1.78
1,261.000	1.78	1.78	1.78	1.78	1.77
1,262.000	1.77	1.77	1.77	1.77	1.77
1,263.000	1.76	1.76	1.76	1.76	1.76
1,264.000	1.76	1.75	1.75	1.75	1.75
1,265.000	1.75	1.75	1.75	1.74	1.74
1,266.000	1.74	1.74	1.74	1.74	1.73
1,267.000	1.73	1.73	1.73	1.73	1.73
1,268.000	1.73	1.72	1.72	1.72	1.72
1,269.000	1.72	1.72	1.72	1.71	1.71
1,270.000	1.71	1.71	1.71	1.71	1.71
1,271.000	1.70	1.70	1.70	1.70	1.70
1,272.000	1.70	1.70	1.69	1.69	1.69
1,273.000	1.69	1.69	1.69	1.69	1.68
1,274.000	1.68	1.68	1.68	1.68	1.68
1,275.000	1.68	1.68	1.67	1.67	1.67
1,276.000	1.67	1.67	1.67	1.67	1.66
1,277.000	1.66	1.66	1.66	1.66	1.66
1,278.000	1.66	1.66	1.65	1.65	1.65
1,279.000	1.65	1.65	1.65	1.65	1.65
1,280.000	1.64	1.64	1.64	1.64	1.64
1,281.000	1.64	1.64	1.64	1.63	1.63
1,282.000	1.63	1.63	1.63	1.63	1.63
1,283.000	1.63	1.62	1.62	1.62	1.62
1,284.000	1.62	1.62	1.62	1.62	1.61
1,285.000	1.61	1.61	1.61	1.61	1.61
1,286.000	1.61	1.61	1.60	1.60	1.60
1,287.000	1.60	1.60	1.60	1.60	1.60
1,288.000	1.60	1.59	1.59	1.59	1.59
1,289.000	1.59	1.59	1.59	1.59	1.59
1,290.000	1.58	1.58	1.58	1.58	1.58
1,291.000	1.58	1.58	1.58	1.58	1.57
1,292.000	1.57	1.57	1.57	1.57	1.57
1,293.000	1.57	1.57	1.57	1.56	1.56
1,294.000	1.56	1.56	1.56	1.56	1.56
1,295.000	1.56	1.56	1.55	1.55	1.55
1,296.000	1.55	1.55	1.55	1.55	1.55

Orifice Calculations

Subsection: Read Hydrograph
Scenario: Base
Label: DA1

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
1,297.000	1.55	1.54	1.54	1.54	1.54
1,298.000	1.54	1.54	1.54	1.54	1.54
1,299.000	1.54	1.53	1.53	1.53	1.53
1,300.000	1.53	1.53	1.53	1.53	1.53
1,301.000	1.53	1.52	1.52	1.52	1.52
1,302.000	1.52	1.52	1.52	1.52	1.52
1,303.000	1.52	1.51	1.51	1.51	1.51
1,304.000	1.51	1.51	1.51	1.51	1.51
1,305.000	1.51	1.50	1.50	1.50	1.50
1,306.000	1.50	1.50	1.50	1.50	1.50
1,307.000	1.50	1.50	1.49	1.49	1.49
1,308.000	1.49	1.49	1.49	1.49	1.49
1,309.000	1.49	1.49	1.49	1.48	1.48
1,310.000	1.48	1.48	1.48	1.48	1.48
1,311.000	1.48	1.48	1.48	1.48	1.47
1,312.000	1.47	1.47	1.47	1.47	1.47
1,313.000	1.47	1.47	1.47	1.47	1.47
1,314.000	1.46	1.46	1.46	1.46	1.46
1,315.000	1.46	1.46	1.46	1.46	1.46
1,316.000	1.46	1.45	1.45	1.45	1.45
1,317.000	1.45	1.45	1.45	1.45	1.45
1,318.000	1.45	1.45	1.45	1.44	1.44
1,319.000	1.44	1.44	1.44	1.44	1.44
1,320.000	1.44	1.44	1.44	1.44	1.44
1,321.000	1.43	1.43	1.43	1.43	1.43
1,322.000	1.43	1.43	1.43	1.43	1.43
1,323.000	1.43	1.43	1.42	1.42	1.42
1,324.000	1.42	1.42	1.42	1.42	1.42
1,325.000	1.42	1.42	1.42	1.42	1.41
1,326.000	1.41	1.41	1.41	1.41	1.41
1,327.000	1.41	1.41	1.41	1.41	1.41
1,328.000	1.41	1.41	1.40	1.40	1.40
1,329.000	1.40	1.40	1.40	1.40	1.40
1,330.000	1.40	1.40	1.40	1.40	1.40
1,331.000	1.39	1.39	1.39	1.39	1.39
1,332.000	1.39	1.39	1.39	1.39	1.39
1,333.000	1.39	1.39	1.39	1.39	1.38
1,334.000	1.38	1.38	1.38	1.38	1.38
1,335.000	1.38	1.38	1.38	1.38	1.38
1,336.000	1.38	1.38	1.37	1.37	1.37
1,337.000	1.37	1.37	1.37	1.37	1.37
1,338.000	1.37	1.37	1.37	1.37	1.37

Orifice Calculations

Subsection: Read Hydrograph
Scenario: Base
Label: DA1

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
1,339.000	1.37	1.36	1.36	1.36	1.36
1,340.000	1.36	1.36	1.36	1.36	1.36
1,341.000	1.36	1.36	1.36	1.36	1.36
1,342.000	1.35	1.35	1.35	1.35	1.35
1,343.000	1.35	1.35	1.35	1.35	1.35
1,344.000	1.35	1.35	1.35	1.35	1.35
1,345.000	1.34	1.34	1.34	1.34	1.34
1,346.000	1.34	1.34	1.34	1.34	1.34
1,347.000	1.34	1.34	1.34	1.34	1.34
1,348.000	1.33	1.33	1.33	1.33	1.33
1,349.000	1.33	1.33	1.33	1.33	1.33
1,350.000	1.33	1.33	1.33	1.33	1.33
1,351.000	1.32	1.32	1.32	1.32	1.32
1,352.000	1.32	1.32	1.32	1.32	1.32
1,353.000	1.32	1.32	1.32	1.32	1.32
1,354.000	1.32	1.31	1.31	1.31	1.31
1,355.000	1.31	1.31	1.31	1.31	1.31
1,356.000	1.31	1.31	1.31	1.31	1.31
1,357.000	1.31	1.31	1.30	1.30	1.30
1,358.000	1.30	1.30	1.30	1.30	1.30
1,359.000	1.30	1.30	1.30	1.30	1.30
1,360.000	1.30	1.30	1.30	1.29	1.29
1,361.000	1.29	1.29	1.29	1.29	1.29
1,362.000	1.29	1.29	1.29	1.29	1.29
1,363.000	1.29	1.29	1.29	1.29	1.29
1,364.000	1.28	1.28	1.28	1.28	1.28
1,365.000	1.28	1.28	1.28	1.28	1.28
1,366.000	1.28	1.28	1.28	1.28	1.28
1,367.000	1.28	1.28	1.27	1.27	1.27
1,368.000	1.27	1.27	1.27	1.27	1.27
1,369.000	1.27	1.27	1.27	1.27	1.27
1,370.000	1.27	1.27	1.27	1.27	1.27
1,371.000	1.26	1.26	1.26	1.26	1.26
1,372.000	1.26	1.26	1.26	1.26	1.26
1,373.000	1.26	1.26	1.26	1.26	1.26
1,374.000	1.26	1.26	1.26	1.25	1.25
1,375.000	1.25	1.25	1.25	1.25	1.25
1,376.000	1.25	1.25	1.25	1.25	1.25
1,377.000	1.25	1.25	1.25	1.25	1.25
1,378.000	1.25	1.25	1.24	1.24	1.24
1,379.000	1.24	1.24	1.24	1.24	1.24
1,380.000	1.24	1.24	1.24	1.24	1.24

Orifice Calculations

Subsection: Read Hydrograph
Scenario: Base
Label: DA1

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
1,381.000	1.24	1.24	1.24	1.24	1.24
1,382.000	1.24	1.23	1.23	1.23	1.23
1,383.000	1.23	1.23	1.23	1.23	1.23
1,384.000	1.23	1.23	1.23	1.23	1.23
1,385.000	1.23	1.23	1.23	1.23	1.23
1,386.000	1.22	1.22	1.22	1.22	1.22
1,387.000	1.22	1.22	1.22	1.22	1.22
1,388.000	1.22	1.22	1.22	1.22	1.22
1,389.000	1.22	1.22	1.22	1.22	1.22
1,390.000	1.22	1.21	1.21	1.21	1.21
1,391.000	1.21	1.21	1.21	1.21	1.21
1,392.000	1.21	1.21	1.21	1.21	1.21
1,393.000	1.21	1.21	1.21	1.21	1.21
1,394.000	1.21	1.20	1.20	1.20	1.20
1,395.000	1.20	1.20	1.20	1.20	1.20
1,396.000	1.20	1.20	1.20	1.20	1.20
1,397.000	1.20	1.20	1.20	1.20	1.20
1,398.000	1.20	1.20	1.19	1.19	1.19
1,399.000	1.19	1.19	1.19	1.19	1.19
1,400.000	1.19	1.19	1.19	1.19	1.19
1,401.000	1.19	1.19	1.19	1.19	1.19
1,402.000	1.19	1.19	1.19	1.19	1.18
1,403.000	1.18	1.18	1.18	1.18	1.18
1,404.000	1.18	1.18	1.18	1.18	1.18
1,405.000	1.18	1.18	1.18	1.18	1.18
1,406.000	1.18	1.18	1.18	1.18	1.18
1,407.000	1.18	1.17	1.17	1.17	1.17
1,408.000	1.17	1.17	1.17	1.17	1.17
1,409.000	1.17	1.17	1.17	1.17	1.17
1,410.000	1.17	1.17	1.17	1.17	1.17
1,411.000	1.17	1.17	1.17	1.17	1.16
1,412.000	1.16	1.16	1.16	1.16	1.16
1,413.000	1.16	1.16	1.16	1.16	1.16
1,414.000	1.16	1.16	1.16	1.16	1.16
1,415.000	1.16	1.16	1.16	1.16	1.16
1,416.000	1.16	1.16	1.15	1.15	1.15
1,417.000	1.15	1.15	1.15	1.15	1.15
1,418.000	1.15	1.15	1.15	1.15	1.15
1,419.000	1.15	1.15	1.15	1.15	1.15
1,420.000	1.15	1.15	1.15	1.15	1.15
1,421.000	1.15	1.15	1.14	1.14	1.14
1,422.000	1.14	1.14	1.14	1.14	1.14

Orifice Calculations

Subsection: Read Hydrograph
Scenario: Base
Label: DA1

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
1,423.000	1.14	1.14	1.14	1.14	1.14
1,424.000	1.14	1.14	1.14	1.14	1.14
1,425.000	1.14	1.14	1.14	1.14	1.14
1,426.000	1.14	1.13	1.13	1.13	1.13
1,427.000	1.13	1.13	1.13	1.13	1.13
1,428.000	1.13	1.13	1.13	1.13	1.13
1,429.000	1.13	1.13	1.13	1.13	1.13
1,430.000	1.13	1.13	1.13	1.13	1.13
1,431.000	1.13	1.13	1.12	1.12	1.12
1,432.000	1.12	1.12	1.12	1.12	1.12
1,433.000	1.12	1.12	1.12	1.12	1.12
1,434.000	1.12	1.12	1.12	1.12	1.12
1,435.000	1.12	1.12	1.12	1.12	1.12
1,436.000	1.12	1.12	1.12	1.11	1.11
1,437.000	1.11	1.11	1.11	1.11	1.11
1,438.000	1.11	1.11	1.11	1.11	1.11
1,439.000	1.11	1.11	1.11	1.11	1.11
1,440.000	1.11	1.09	1.07	1.05	1.03
1,441.000	1.02	1.00	0.98	0.96	0.94
1,442.000	0.92	0.90	0.89	0.87	0.85
1,443.000	0.83	0.81	0.79	0.77	0.76
1,444.000	0.74	0.72	0.70	0.68	0.66
1,445.000	0.64	0.63	0.61	0.59	0.57
1,446.000	0.55	0.53	0.51	0.50	0.48
1,447.000	0.46	0.44	0.42	0.40	0.39
1,448.000	0.37	0.35	0.33	0.31	0.29
1,449.000	0.28	0.26	0.24	0.22	0.20
1,450.000	0.18	0.16	0.15	0.13	0.11
1,451.000	0.09	0.07	0.05	0.04	0.02
1,452.000	0.00	(N/A)	(N/A)	(N/A)	(N/A)

Orifice Calculations

Subsection: Time vs. Elevation
Scenario: Base
Label: RDF-1 (OUT)

Time vs. Elevation (ft)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
0.000	0.00	0.00	0.00	0.00	0.00
1.000	0.00	0.00	0.00	0.00	0.01
2.000	0.01	0.01	0.01	0.01	0.01
3.000	0.02	0.02	0.02	0.02	0.02
4.000	0.03	0.03	0.03	0.04	0.04
5.000	0.04	0.04	0.05	0.05	0.05
6.000	0.06	0.06	0.07	0.07	0.07
7.000	0.08	0.08	0.09	0.09	0.09
8.000	0.10	0.10	0.10	0.11	0.11
9.000	0.11	0.11	0.12	0.12	0.12
10.000	0.13	0.13	0.13	0.14	0.14
11.000	0.14	0.14	0.15	0.15	0.15
12.000	0.16	0.16	0.16	0.17	0.17
13.000	0.17	0.18	0.18	0.18	0.18
14.000	0.19	0.19	0.19	0.20	0.20
15.000	0.20	0.20	0.21	0.21	0.21
16.000	0.21	0.21	0.22	0.22	0.22
17.000	0.22	0.22	0.22	0.23	0.23
18.000	0.23	0.23	0.23	0.24	0.24
19.000	0.24	0.24	0.24	0.25	0.25
20.000	0.25	0.25	0.25	0.25	0.26
21.000	0.26	0.26	0.26	0.26	0.26
22.000	0.27	0.27	0.27	0.27	0.27
23.000	0.27	0.28	0.28	0.28	0.28
24.000	0.28	0.28	0.29	0.29	0.29
25.000	0.29	0.29	0.29	0.29	0.30
26.000	0.30	0.30	0.30	0.30	0.30
27.000	0.30	0.31	0.31	0.31	0.31
28.000	0.31	0.31	0.31	0.31	0.31
29.000	0.32	0.32	0.32	0.32	0.32
30.000	0.32	0.32	0.32	0.33	0.33
31.000	0.33	0.33	0.33	0.33	0.33
32.000	0.33	0.33	0.34	0.34	0.34
33.000	0.34	0.34	0.34	0.34	0.34
34.000	0.34	0.35	0.35	0.35	0.35
35.000	0.35	0.35	0.35	0.35	0.35
36.000	0.35	0.36	0.36	0.36	0.36
37.000	0.36	0.36	0.36	0.36	0.36
38.000	0.36	0.37	0.37	0.37	0.37
39.000	0.37	0.37	0.37	0.37	0.37
40.000	0.37	0.38	0.38	0.38	0.38

Orifice Calculations

Subsection: Time vs. Elevation
Scenario: Base
Label: RDF-1 (OUT)

Time vs. Elevation (ft)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
41.000	0.38	0.38	0.38	0.38	0.38
42.000	0.38	0.38	0.39	0.39	0.39
43.000	0.39	0.39	0.39	0.39	0.39
44.000	0.39	0.39	0.39	0.40	0.40
45.000	0.40	0.40	0.40	0.40	0.40
46.000	0.40	0.40	0.40	0.40	0.40
47.000	0.40	0.41	0.41	0.41	0.41
48.000	0.41	0.41	0.41	0.41	0.41
49.000	0.41	0.41	0.41	0.41	0.41
50.000	0.42	0.42	0.42	0.42	0.42
51.000	0.42	0.42	0.42	0.42	0.42
52.000	0.42	0.42	0.42	0.42	0.43
53.000	0.43	0.43	0.43	0.43	0.43
54.000	0.43	0.43	0.43	0.43	0.43
55.000	0.43	0.43	0.43	0.43	0.44
56.000	0.44	0.44	0.44	0.44	0.44
57.000	0.44	0.44	0.44	0.44	0.44
58.000	0.44	0.44	0.44	0.44	0.45
59.000	0.45	0.45	0.45	0.45	0.45
60.000	0.45	0.45	0.45	0.45	0.45
61.000	0.45	0.45	0.45	0.45	0.45
62.000	0.45	0.46	0.46	0.46	0.46
63.000	0.46	0.46	0.46	0.46	0.46
64.000	0.46	0.46	0.46	0.46	0.46
65.000	0.46	0.46	0.46	0.47	0.47
66.000	0.47	0.47	0.47	0.47	0.47
67.000	0.47	0.47	0.47	0.47	0.47
68.000	0.47	0.47	0.47	0.47	0.47
69.000	0.47	0.48	0.48	0.48	0.48
70.000	0.48	0.48	0.48	0.48	0.48
71.000	0.48	0.48	0.48	0.48	0.48
72.000	0.48	0.48	0.48	0.48	0.49
73.000	0.49	0.49	0.49	0.49	0.49
74.000	0.49	0.49	0.49	0.49	0.49
75.000	0.49	0.49	0.49	0.49	0.49
76.000	0.49	0.49	0.49	0.49	0.50
77.000	0.50	0.50	0.50	0.50	0.50
78.000	0.50	0.50	0.50	0.50	0.50
79.000	0.50	0.50	0.50	0.50	0.50
80.000	0.50	0.50	0.50	0.50	0.50
81.000	0.50	0.51	0.51	0.51	0.51

Orifice Calculations

Subsection: Time vs. Elevation
Scenario: Base
Label: RDF-1 (OUT)

Time vs. Elevation (ft)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
82.000	0.51	0.51	0.51	0.51	0.51
83.000	0.51	0.51	0.51	0.51	0.51
84.000	0.51	0.51	0.51	0.51	0.51
85.000	0.51	0.51	0.51	0.51	0.51
86.000	0.52	0.52	0.52	0.52	0.52
87.000	0.52	0.52	0.52	0.52	0.52
88.000	0.52	0.52	0.52	0.52	0.52
89.000	0.52	0.52	0.52	0.52	0.52
90.000	0.52	0.52	0.52	0.52	0.52
91.000	0.52	0.53	0.53	0.53	0.53
92.000	0.53	0.53	0.53	0.53	0.53
93.000	0.53	0.53	0.53	0.53	0.53
94.000	0.53	0.53	0.53	0.53	0.53
95.000	0.53	0.53	0.53	0.53	0.53
96.000	0.53	0.53	0.53	0.53	0.54
97.000	0.54	0.54	0.54	0.54	0.54
98.000	0.54	0.54	0.54	0.54	0.54
99.000	0.54	0.54	0.54	0.54	0.54
100.000	0.54	0.54	0.54	0.54	0.54
101.000	0.54	0.54	0.54	0.54	0.54
102.000	0.54	0.54	0.54	0.54	0.55
103.000	0.55	0.55	0.55	0.55	0.55
104.000	0.55	0.55	0.55	0.55	0.55
105.000	0.55	0.55	0.55	0.55	0.55
106.000	0.55	0.55	0.55	0.55	0.55
107.000	0.55	0.55	0.55	0.55	0.55
108.000	0.55	0.55	0.55	0.55	0.55
109.000	0.55	0.56	0.56	0.56	0.56
110.000	0.56	0.56	0.56	0.56	0.56
111.000	0.56	0.56	0.56	0.56	0.56
112.000	0.56	0.56	0.56	0.56	0.56
113.000	0.56	0.56	0.56	0.56	0.56
114.000	0.56	0.56	0.56	0.56	0.56
115.000	0.56	0.56	0.56	0.56	0.56
116.000	0.57	0.57	0.57	0.57	0.57
117.000	0.57	0.57	0.57	0.57	0.57
118.000	0.57	0.57	0.57	0.57	0.57
119.000	0.57	0.57	0.57	0.57	0.57
120.000	0.57	0.57	0.57	0.57	0.57
121.000	0.57	0.57	0.57	0.57	0.57
122.000	0.57	0.57	0.57	0.57	0.57

Orifice Calculations

Subsection: Time vs. Elevation
Scenario: Base
Label: RDF-1 (OUT)

Time vs. Elevation (ft)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
123.000	0.57	0.57	0.57	0.58	0.58
124.000	0.58	0.58	0.58	0.58	0.58
125.000	0.58	0.58	0.58	0.58	0.58
126.000	0.58	0.58	0.58	0.58	0.58
127.000	0.58	0.58	0.58	0.58	0.58
128.000	0.58	0.58	0.58	0.58	0.58
129.000	0.58	0.58	0.58	0.58	0.58
130.000	0.58	0.58	0.58	0.58	0.58
131.000	0.58	0.58	0.58	0.58	0.59
132.000	0.59	0.59	0.59	0.59	0.59
133.000	0.59	0.59	0.59	0.59	0.59
134.000	0.59	0.59	0.59	0.59	0.59
135.000	0.59	0.59	0.59	0.59	0.59
136.000	0.59	0.59	0.59	0.59	0.59
137.000	0.59	0.59	0.59	0.59	0.59
138.000	0.59	0.59	0.59	0.59	0.59
139.000	0.59	0.59	0.59	0.59	0.59
140.000	0.59	0.59	0.59	0.59	0.60
141.000	0.60	0.60	0.60	0.60	0.60
142.000	0.60	0.60	0.60	0.60	0.60
143.000	0.60	0.60	0.60	0.60	0.60
144.000	0.60	0.60	0.60	0.60	0.60
145.000	0.60	0.60	0.60	0.60	0.60
146.000	0.60	0.60	0.60	0.60	0.60
147.000	0.60	0.60	0.60	0.60	0.60
148.000	0.60	0.60	0.60	0.60	0.60
149.000	0.60	0.60	0.60	0.60	0.60
150.000	0.60	0.60	0.60	0.60	0.60
151.000	0.61	0.61	0.61	0.61	0.61
152.000	0.61	0.61	0.61	0.61	0.61
153.000	0.61	0.61	0.61	0.61	0.61
154.000	0.61	0.61	0.61	0.61	0.61
155.000	0.61	0.61	0.61	0.61	0.61
156.000	0.61	0.61	0.61	0.61	0.61
157.000	0.61	0.61	0.61	0.61	0.61
158.000	0.61	0.61	0.61	0.61	0.61
159.000	0.61	0.61	0.61	0.61	0.61
160.000	0.61	0.61	0.61	0.61	0.61
161.000	0.61	0.61	0.61	0.61	0.61
162.000	0.61	0.62	0.62	0.62	0.62
163.000	0.62	0.62	0.62	0.62	0.62

Orifice Calculations

Subsection: Time vs. Elevation
Scenario: Base
Label: RDF-1 (OUT)

Time vs. Elevation (ft)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
164.000	0.62	0.62	0.62	0.62	0.62
165.000	0.62	0.62	0.62	0.62	0.62
166.000	0.62	0.62	0.62	0.62	0.62
167.000	0.62	0.62	0.62	0.62	0.62
168.000	0.62	0.62	0.62	0.62	0.62
169.000	0.62	0.62	0.62	0.62	0.62
170.000	0.62	0.62	0.62	0.62	0.62
171.000	0.62	0.62	0.62	0.62	0.62
172.000	0.62	0.62	0.62	0.62	0.62
173.000	0.62	0.62	0.62	0.62	0.62
174.000	0.62	0.63	0.63	0.63	0.63
175.000	0.63	0.63	0.63	0.63	0.63
176.000	0.63	0.63	0.63	0.63	0.63
177.000	0.63	0.63	0.63	0.63	0.63
178.000	0.63	0.63	0.63	0.63	0.63
179.000	0.63	0.63	0.63	0.63	0.63
180.000	0.63	0.63	0.63	0.63	0.63
181.000	0.63	0.63	0.63	0.63	0.63
182.000	0.63	0.63	0.63	0.63	0.63
183.000	0.63	0.63	0.63	0.63	0.63
184.000	0.63	0.63	0.63	0.63	0.63
185.000	0.63	0.63	0.63	0.63	0.63
186.000	0.63	0.63	0.63	0.64	0.64
187.000	0.64	0.64	0.64	0.64	0.64
188.000	0.64	0.64	0.64	0.64	0.64
189.000	0.64	0.64	0.64	0.64	0.64
190.000	0.64	0.64	0.64	0.64	0.64
191.000	0.64	0.64	0.64	0.64	0.64
192.000	0.64	0.64	0.64	0.64	0.64
193.000	0.64	0.64	0.64	0.64	0.64
194.000	0.64	0.64	0.64	0.64	0.64
195.000	0.64	0.64	0.64	0.64	0.64
196.000	0.64	0.64	0.64	0.64	0.64
197.000	0.64	0.64	0.64	0.64	0.64
198.000	0.64	0.64	0.64	0.64	0.64
199.000	0.64	0.64	0.64	0.64	0.65
200.000	0.65	0.65	0.65	0.65	0.65
201.000	0.65	0.65	0.65	0.65	0.65
202.000	0.65	0.65	0.65	0.65	0.65
203.000	0.65	0.65	0.65	0.65	0.65
204.000	0.65	0.65	0.65	0.65	0.65

Orifice Calculations

Subsection: Time vs. Elevation
Scenario: Base
Label: RDF-1 (OUT)

Time vs. Elevation (ft)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
205.000	0.65	0.65	0.65	0.65	0.65
206.000	0.65	0.65	0.65	0.65	0.65
207.000	0.65	0.65	0.65	0.65	0.65
208.000	0.65	0.65	0.65	0.65	0.65
209.000	0.65	0.65	0.65	0.65	0.65
210.000	0.65	0.65	0.65	0.65	0.65
211.000	0.65	0.65	0.65	0.65	0.65
212.000	0.65	0.65	0.65	0.65	0.65
213.000	0.65	0.65	0.65	0.66	0.66
214.000	0.66	0.66	0.66	0.66	0.66
215.000	0.66	0.66	0.66	0.66	0.66
216.000	0.66	0.66	0.66	0.66	0.66
217.000	0.66	0.66	0.66	0.66	0.66
218.000	0.66	0.66	0.66	0.66	0.66
219.000	0.66	0.66	0.66	0.66	0.66
220.000	0.66	0.66	0.66	0.66	0.66
221.000	0.66	0.66	0.66	0.66	0.66
222.000	0.66	0.66	0.66	0.66	0.66
223.000	0.66	0.66	0.66	0.66	0.66
224.000	0.66	0.66	0.66	0.66	0.66
225.000	0.66	0.66	0.66	0.66	0.66
226.000	0.66	0.66	0.66	0.66	0.66
227.000	0.66	0.66	0.66	0.66	0.66
228.000	0.67	0.67	0.67	0.67	0.67
229.000	0.67	0.67	0.67	0.67	0.67
230.000	0.67	0.67	0.67	0.67	0.67
231.000	0.67	0.67	0.67	0.67	0.67
232.000	0.67	0.67	0.67	0.67	0.67
233.000	0.67	0.67	0.67	0.67	0.67
234.000	0.67	0.67	0.67	0.67	0.67
235.000	0.67	0.67	0.67	0.67	0.67
236.000	0.67	0.67	0.67	0.67	0.67
237.000	0.67	0.67	0.67	0.67	0.67
238.000	0.67	0.67	0.67	0.67	0.67
239.000	0.67	0.67	0.67	0.67	0.67
240.000	0.67	0.67	0.67	0.67	0.67
241.000	0.67	0.67	0.67	0.67	0.67
242.000	0.67	0.67	0.67	0.68	0.68
243.000	0.68	0.68	0.68	0.68	0.68
244.000	0.68	0.68	0.68	0.68	0.68
245.000	0.68	0.68	0.68	0.68	0.68

Orifice Calculations

Subsection: Time vs. Elevation
Scenario: Base
Label: RDF-1 (OUT)

Time vs. Elevation (ft)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
246.000	0.68	0.68	0.68	0.68	0.68
247.000	0.68	0.68	0.68	0.68	0.68
248.000	0.68	0.68	0.68	0.68	0.68
249.000	0.68	0.68	0.68	0.68	0.68
250.000	0.68	0.68	0.68	0.68	0.68
251.000	0.68	0.68	0.68	0.68	0.68
252.000	0.68	0.68	0.68	0.68	0.68
253.000	0.68	0.68	0.68	0.68	0.68
254.000	0.68	0.68	0.68	0.68	0.68
255.000	0.68	0.68	0.68	0.68	0.68
256.000	0.68	0.68	0.68	0.68	0.68
257.000	0.68	0.68	0.68	0.68	0.69
258.000	0.69	0.69	0.69	0.69	0.69
259.000	0.69	0.69	0.69	0.69	0.69
260.000	0.69	0.69	0.69	0.69	0.69
261.000	0.69	0.69	0.69	0.69	0.69
262.000	0.69	0.69	0.69	0.69	0.69
263.000	0.69	0.69	0.69	0.69	0.69
264.000	0.69	0.69	0.69	0.69	0.69
265.000	0.69	0.69	0.69	0.69	0.69
266.000	0.69	0.69	0.69	0.69	0.69
267.000	0.69	0.69	0.69	0.69	0.69
268.000	0.69	0.69	0.69	0.69	0.69
269.000	0.69	0.69	0.69	0.69	0.69
270.000	0.69	0.69	0.69	0.69	0.69
271.000	0.69	0.69	0.69	0.69	0.69
272.000	0.69	0.69	0.69	0.69	0.69
273.000	0.70	0.70	0.70	0.70	0.70
274.000	0.70	0.70	0.70	0.70	0.70
275.000	0.70	0.70	0.70	0.70	0.70
276.000	0.70	0.70	0.70	0.70	0.70
277.000	0.70	0.70	0.70	0.70	0.70
278.000	0.70	0.70	0.70	0.70	0.70
279.000	0.70	0.70	0.70	0.70	0.70
280.000	0.70	0.70	0.70	0.70	0.70
281.000	0.70	0.70	0.70	0.70	0.70
282.000	0.70	0.70	0.70	0.70	0.70
283.000	0.70	0.70	0.70	0.70	0.70
284.000	0.70	0.70	0.70	0.70	0.70
285.000	0.70	0.70	0.70	0.70	0.70
286.000	0.70	0.70	0.70	0.70	0.70

Orifice Calculations

Subsection: Time vs. Elevation
Scenario: Base
Label: RDF-1 (OUT)

Time vs. Elevation (ft)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
287.000	0.70	0.70	0.70	0.70	0.70
288.000	0.70	0.70	0.70	0.70	0.70
289.000	0.71	0.71	0.71	0.71	0.71
290.000	0.71	0.71	0.71	0.71	0.71
291.000	0.71	0.71	0.71	0.71	0.71
292.000	0.71	0.71	0.71	0.71	0.71
293.000	0.71	0.71	0.71	0.71	0.71
294.000	0.71	0.71	0.71	0.71	0.71
295.000	0.71	0.71	0.71	0.71	0.71
296.000	0.71	0.71	0.71	0.71	0.71
297.000	0.71	0.71	0.71	0.71	0.71
298.000	0.71	0.71	0.71	0.71	0.71
299.000	0.71	0.71	0.71	0.71	0.71
300.000	0.71	0.71	0.71	0.71	0.71
301.000	0.71	0.71	0.71	0.71	0.71
302.000	0.71	0.71	0.71	0.71	0.71
303.000	0.71	0.71	0.71	0.71	0.71
304.000	0.71	0.71	0.71	0.71	0.71
305.000	0.71	0.72	0.72	0.72	0.72
306.000	0.72	0.72	0.72	0.72	0.72
307.000	0.72	0.72	0.72	0.72	0.72
308.000	0.72	0.72	0.72	0.72	0.72
309.000	0.72	0.72	0.72	0.72	0.72
310.000	0.72	0.72	0.72	0.72	0.72
311.000	0.72	0.72	0.72	0.72	0.72
312.000	0.72	0.72	0.72	0.72	0.72
313.000	0.72	0.72	0.72	0.72	0.72
314.000	0.72	0.72	0.72	0.72	0.72
315.000	0.72	0.72	0.72	0.72	0.72
316.000	0.72	0.72	0.72	0.72	0.72
317.000	0.72	0.72	0.72	0.72	0.72
318.000	0.72	0.72	0.72	0.72	0.72
319.000	0.72	0.72	0.72	0.72	0.72
320.000	0.72	0.72	0.72	0.72	0.73
321.000	0.73	0.73	0.73	0.73	0.73
322.000	0.73	0.73	0.73	0.73	0.73
323.000	0.73	0.73	0.73	0.73	0.73
324.000	0.73	0.73	0.73	0.73	0.73
325.000	0.73	0.73	0.73	0.73	0.73
326.000	0.73	0.73	0.73	0.73	0.73
327.000	0.73	0.73	0.73	0.73	0.73

Orifice Calculations

Subsection: Time vs. Elevation
Scenario: Base
Label: RDF-1 (OUT)

Time vs. Elevation (ft)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
328.000	0.73	0.73	0.73	0.73	0.73
329.000	0.73	0.73	0.73	0.73	0.73
330.000	0.73	0.73	0.73	0.73	0.73
331.000	0.73	0.73	0.73	0.73	0.73
332.000	0.73	0.73	0.73	0.73	0.73
333.000	0.73	0.73	0.73	0.73	0.73
334.000	0.73	0.73	0.73	0.73	0.73
335.000	0.73	0.73	0.73	0.73	0.73
336.000	0.73	0.73	0.74	0.74	0.74
337.000	0.74	0.74	0.74	0.74	0.74
338.000	0.74	0.74	0.74	0.74	0.74
339.000	0.74	0.74	0.74	0.74	0.74
340.000	0.74	0.74	0.74	0.74	0.74
341.000	0.74	0.74	0.74	0.74	0.74
342.000	0.74	0.74	0.74	0.74	0.74
343.000	0.74	0.74	0.74	0.74	0.74
344.000	0.74	0.74	0.74	0.74	0.74
345.000	0.74	0.74	0.74	0.74	0.74
346.000	0.74	0.74	0.74	0.74	0.74
347.000	0.74	0.74	0.74	0.74	0.74
348.000	0.74	0.74	0.74	0.74	0.74
349.000	0.74	0.74	0.74	0.74	0.74
350.000	0.74	0.74	0.74	0.74	0.74
351.000	0.74	0.74	0.75	0.75	0.75
352.000	0.75	0.75	0.75	0.75	0.75
353.000	0.75	0.75	0.75	0.75	0.75
354.000	0.75	0.75	0.75	0.75	0.75
355.000	0.75	0.75	0.75	0.75	0.75
356.000	0.75	0.75	0.75	0.75	0.75
357.000	0.75	0.75	0.75	0.75	0.75
358.000	0.75	0.75	0.75	0.75	0.75
359.000	0.75	0.75	0.75	0.75	0.75
360.000	0.75	0.75	0.75	0.75	0.75
361.000	0.75	0.75	0.75	0.75	0.75
362.000	0.75	0.75	0.75	0.75	0.75
363.000	0.75	0.75	0.75	0.75	0.75
364.000	0.75	0.75	0.75	0.75	0.75
365.000	0.75	0.75	0.75	0.75	0.75
366.000	0.75	0.76	0.76	0.76	0.76
367.000	0.76	0.76	0.76	0.76	0.76
368.000	0.76	0.76	0.76	0.76	0.76

Orifice Calculations

Subsection: Time vs. Elevation
Scenario: Base
Label: RDF-1 (OUT)

Time vs. Elevation (ft)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
369.000	0.76	0.76	0.76	0.76	0.76
370.000	0.76	0.76	0.76	0.76	0.76
371.000	0.76	0.76	0.76	0.76	0.76
372.000	0.76	0.76	0.76	0.76	0.76
373.000	0.76	0.76	0.76	0.76	0.76
374.000	0.76	0.76	0.76	0.76	0.76
375.000	0.76	0.76	0.76	0.76	0.76
376.000	0.76	0.76	0.76	0.76	0.76
377.000	0.76	0.76	0.76	0.76	0.76
378.000	0.76	0.76	0.76	0.76	0.76
379.000	0.76	0.76	0.76	0.76	0.76
380.000	0.76	0.76	0.76	0.77	0.77
381.000	0.77	0.77	0.77	0.77	0.77
382.000	0.77	0.77	0.77	0.77	0.77
383.000	0.77	0.77	0.77	0.77	0.77
384.000	0.77	0.77	0.77	0.77	0.77
385.000	0.77	0.77	0.77	0.77	0.77
386.000	0.77	0.77	0.77	0.77	0.77
387.000	0.77	0.77	0.77	0.77	0.77
388.000	0.77	0.77	0.77	0.77	0.77
389.000	0.77	0.77	0.77	0.77	0.77
390.000	0.77	0.77	0.77	0.77	0.77
391.000	0.77	0.77	0.77	0.77	0.77
392.000	0.77	0.77	0.77	0.77	0.77
393.000	0.77	0.77	0.77	0.77	0.77
394.000	0.77	0.77	0.77	0.78	0.78
395.000	0.78	0.78	0.78	0.78	0.78
396.000	0.78	0.78	0.78	0.78	0.78
397.000	0.78	0.78	0.78	0.78	0.78
398.000	0.78	0.78	0.78	0.78	0.78
399.000	0.78	0.78	0.78	0.78	0.78
400.000	0.78	0.78	0.78	0.78	0.78
401.000	0.78	0.78	0.78	0.78	0.78
402.000	0.78	0.78	0.78	0.78	0.78
403.000	0.78	0.78	0.78	0.78	0.78
404.000	0.78	0.78	0.78	0.78	0.78
405.000	0.78	0.78	0.78	0.78	0.78
406.000	0.78	0.78	0.78	0.78	0.78
407.000	0.78	0.78	0.78	0.78	0.78
408.000	0.78	0.78	0.79	0.79	0.79
409.000	0.79	0.79	0.79	0.79	0.79

Orifice Calculations

Subsection: Time vs. Elevation
Scenario: Base
Label: RDF-1 (OUT)

Time vs. Elevation (ft)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
410.000	0.79	0.79	0.79	0.79	0.79
411.000	0.79	0.79	0.79	0.79	0.79
412.000	0.79	0.79	0.79	0.79	0.79
413.000	0.79	0.79	0.79	0.79	0.79
414.000	0.79	0.79	0.79	0.79	0.79
415.000	0.79	0.79	0.79	0.79	0.79
416.000	0.79	0.79	0.79	0.79	0.79
417.000	0.79	0.79	0.79	0.79	0.79
418.000	0.79	0.79	0.79	0.79	0.79
419.000	0.79	0.79	0.79	0.79	0.79
420.000	0.79	0.79	0.79	0.79	0.79
421.000	0.79	0.79	0.79	0.79	0.80
422.000	0.80	0.80	0.80	0.80	0.80
423.000	0.80	0.80	0.80	0.80	0.80
424.000	0.80	0.80	0.80	0.80	0.80
425.000	0.80	0.80	0.80	0.80	0.80
426.000	0.80	0.80	0.80	0.80	0.80
427.000	0.80	0.80	0.80	0.80	0.80
428.000	0.80	0.80	0.80	0.80	0.80
429.000	0.80	0.80	0.80	0.80	0.80
430.000	0.80	0.80	0.80	0.80	0.80
431.000	0.80	0.80	0.80	0.80	0.80
432.000	0.80	0.80	0.80	0.80	0.80
433.000	0.80	0.80	0.80	0.80	0.80
434.000	0.80	0.80	0.80	0.80	0.80
435.000	0.80	0.81	0.81	0.81	0.81
436.000	0.81	0.81	0.81	0.81	0.81
437.000	0.81	0.81	0.81	0.81	0.81
438.000	0.81	0.81	0.81	0.81	0.81
439.000	0.81	0.81	0.81	0.81	0.81
440.000	0.81	0.81	0.81	0.81	0.81
441.000	0.81	0.81	0.81	0.81	0.81
442.000	0.81	0.81	0.81	0.81	0.81
443.000	0.81	0.81	0.81	0.81	0.81
444.000	0.81	0.81	0.81	0.81	0.81
445.000	0.81	0.81	0.81	0.81	0.81
446.000	0.81	0.81	0.81	0.81	0.81
447.000	0.81	0.81	0.81	0.81	0.81
448.000	0.81	0.81	0.82	0.82	0.82
449.000	0.82	0.82	0.82	0.82	0.82
450.000	0.82	0.82	0.82	0.82	0.82

Orifice Calculations

Subsection: Time vs. Elevation
Scenario: Base
Label: RDF-1 (OUT)

Time vs. Elevation (ft)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
451.000	0.82	0.82	0.82	0.82	0.82
452.000	0.82	0.82	0.82	0.82	0.82
453.000	0.82	0.82	0.82	0.82	0.82
454.000	0.82	0.82	0.82	0.82	0.82
455.000	0.82	0.82	0.82	0.82	0.82
456.000	0.82	0.82	0.82	0.82	0.82
457.000	0.82	0.82	0.82	0.82	0.82
458.000	0.82	0.82	0.82	0.82	0.82
459.000	0.82	0.82	0.82	0.82	0.82
460.000	0.82	0.82	0.82	0.82	0.82
461.000	0.82	0.83	0.83	0.83	0.83
462.000	0.83	0.83	0.83	0.83	0.83
463.000	0.83	0.83	0.83	0.83	0.83
464.000	0.83	0.83	0.83	0.83	0.83
465.000	0.83	0.83	0.83	0.83	0.83
466.000	0.83	0.83	0.83	0.83	0.83
467.000	0.83	0.83	0.83	0.83	0.83
468.000	0.83	0.83	0.83	0.83	0.83
469.000	0.83	0.83	0.83	0.83	0.83
470.000	0.83	0.83	0.83	0.83	0.83
471.000	0.83	0.83	0.83	0.83	0.83
472.000	0.83	0.83	0.83	0.83	0.83
473.000	0.83	0.83	0.83	0.84	0.84
474.000	0.84	0.84	0.84	0.84	0.84
475.000	0.84	0.84	0.84	0.84	0.84
476.000	0.84	0.84	0.84	0.84	0.84
477.000	0.84	0.84	0.84	0.84	0.84
478.000	0.84	0.84	0.84	0.84	0.84
479.000	0.84	0.84	0.84	0.84	0.84
480.000	0.84	0.84	0.84	0.84	0.84
481.000	0.84	0.84	0.84	0.84	0.84
482.000	0.84	0.84	0.84	0.84	0.84
483.000	0.84	0.84	0.84	0.84	0.84
484.000	0.84	0.84	0.84	0.84	0.84
485.000	0.84	0.84	0.84	0.85	0.85
486.000	0.85	0.85	0.85	0.85	0.85
487.000	0.85	0.85	0.85	0.85	0.85
488.000	0.85	0.85	0.85	0.85	0.85
489.000	0.85	0.85	0.85	0.85	0.85
490.000	0.85	0.85	0.85	0.85	0.85
491.000	0.85	0.85	0.85	0.85	0.85

Orifice Calculations

Subsection: Time vs. Elevation
Scenario: Base
Label: RDF-1 (OUT)

Time vs. Elevation (ft)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
492.000	0.85	0.85	0.85	0.85	0.85
493.000	0.85	0.85	0.85	0.85	0.85
494.000	0.85	0.85	0.85	0.85	0.85
495.000	0.85	0.85	0.85	0.85	0.85
496.000	0.85	0.85	0.85	0.85	0.85
497.000	0.85	0.86	0.86	0.86	0.86
498.000	0.86	0.86	0.86	0.86	0.86
499.000	0.86	0.86	0.86	0.86	0.86
500.000	0.86	0.86	0.86	0.86	0.86
501.000	0.86	0.86	0.86	0.86	0.86
502.000	0.86	0.86	0.86	0.86	0.86
503.000	0.86	0.86	0.86	0.86	0.86
504.000	0.86	0.86	0.86	0.86	0.86
505.000	0.86	0.86	0.86	0.86	0.86
506.000	0.86	0.86	0.86	0.86	0.86
507.000	0.86	0.86	0.86	0.86	0.86
508.000	0.86	0.86	0.87	0.87	0.87
509.000	0.87	0.87	0.87	0.87	0.87
510.000	0.87	0.87	0.87	0.87	0.87
511.000	0.87	0.87	0.87	0.87	0.87
512.000	0.87	0.87	0.87	0.87	0.87
513.000	0.87	0.87	0.87	0.87	0.87
514.000	0.87	0.87	0.87	0.87	0.87
515.000	0.87	0.87	0.87	0.87	0.87
516.000	0.87	0.87	0.87	0.87	0.87
517.000	0.87	0.87	0.87	0.87	0.87
518.000	0.87	0.87	0.87	0.87	0.87
519.000	0.87	0.87	0.88	0.88	0.88
520.000	0.88	0.88	0.88	0.88	0.88
521.000	0.88	0.88	0.88	0.88	0.88
522.000	0.88	0.88	0.88	0.88	0.88
523.000	0.88	0.88	0.88	0.88	0.88
524.000	0.88	0.88	0.88	0.88	0.88
525.000	0.88	0.88	0.88	0.88	0.88
526.000	0.88	0.88	0.88	0.88	0.88
527.000	0.88	0.88	0.88	0.88	0.88
528.000	0.88	0.88	0.88	0.88	0.88
529.000	0.88	0.88	0.88	0.88	0.88
530.000	0.88	0.89	0.89	0.89	0.89
531.000	0.89	0.89	0.89	0.89	0.89
532.000	0.89	0.89	0.89	0.89	0.89

Orifice Calculations

Subsection: Time vs. Elevation
Scenario: Base
Label: RDF-1 (OUT)

Time vs. Elevation (ft)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
533.000	0.89	0.89	0.89	0.89	0.89
534.000	0.89	0.89	0.89	0.89	0.89
535.000	0.89	0.89	0.89	0.89	0.89
536.000	0.89	0.89	0.89	0.89	0.89
537.000	0.89	0.89	0.89	0.89	0.89
538.000	0.89	0.89	0.89	0.89	0.89
539.000	0.89	0.89	0.89	0.89	0.89
540.000	0.89	0.89	0.89	0.90	0.90
541.000	0.90	0.90	0.90	0.90	0.90
542.000	0.90	0.90	0.90	0.90	0.90
543.000	0.90	0.90	0.90	0.90	0.90
544.000	0.90	0.90	0.90	0.90	0.90
545.000	0.90	0.90	0.90	0.90	0.90
546.000	0.90	0.90	0.90	0.90	0.90
547.000	0.90	0.90	0.90	0.90	0.90
548.000	0.90	0.90	0.90	0.90	0.90
549.000	0.90	0.90	0.90	0.90	0.90
550.000	0.90	0.90	0.90	0.90	0.91
551.000	0.91	0.91	0.91	0.91	0.91
552.000	0.91	0.91	0.91	0.91	0.91
553.000	0.91	0.91	0.91	0.91	0.91
554.000	0.91	0.91	0.91	0.91	0.91
555.000	0.91	0.91	0.91	0.91	0.91
556.000	0.91	0.91	0.91	0.91	0.91
557.000	0.91	0.91	0.91	0.91	0.91
558.000	0.91	0.91	0.91	0.91	0.91
559.000	0.91	0.91	0.91	0.91	0.91
560.000	0.91	0.91	0.91	0.91	0.91
561.000	0.91	0.92	0.92	0.92	0.92
562.000	0.92	0.92	0.92	0.92	0.92
563.000	0.92	0.92	0.92	0.92	0.92
564.000	0.92	0.92	0.92	0.92	0.92
565.000	0.92	0.92	0.92	0.92	0.92
566.000	0.92	0.92	0.92	0.92	0.92
567.000	0.92	0.92	0.92	0.92	0.92
568.000	0.92	0.92	0.92	0.92	0.92
569.000	0.92	0.92	0.92	0.92	0.92
570.000	0.92	0.92	0.92	0.92	0.92
571.000	0.93	0.93	0.93	0.93	0.93
572.000	0.93	0.93	0.93	0.93	0.93
573.000	0.93	0.93	0.93	0.93	0.93

Orifice Calculations

Subsection: Time vs. Elevation
Scenario: Base
Label: RDF-1 (OUT)

Time vs. Elevation (ft)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
574.000	0.93	0.93	0.93	0.93	0.93
575.000	0.93	0.93	0.93	0.93	0.93
576.000	0.93	0.93	0.93	0.93	0.93
577.000	0.93	0.93	0.93	0.93	0.93
578.000	0.93	0.93	0.93	0.93	0.93
579.000	0.93	0.93	0.93	0.93	0.93
580.000	0.93	0.93	0.93	0.94	0.94
581.000	0.94	0.94	0.94	0.94	0.94
582.000	0.94	0.94	0.94	0.94	0.94
583.000	0.94	0.94	0.94	0.94	0.94
584.000	0.94	0.94	0.94	0.94	0.94
585.000	0.94	0.94	0.94	0.94	0.94
586.000	0.94	0.94	0.94	0.94	0.94
587.000	0.94	0.94	0.94	0.94	0.94
588.000	0.94	0.94	0.94	0.94	0.94
589.000	0.94	0.94	0.94	0.94	0.94
590.000	0.95	0.95	0.95	0.95	0.95
591.000	0.95	0.95	0.95	0.95	0.95
592.000	0.95	0.95	0.95	0.95	0.95
593.000	0.95	0.95	0.95	0.95	0.95
594.000	0.95	0.95	0.95	0.95	0.95
595.000	0.95	0.95	0.95	0.95	0.95
596.000	0.95	0.95	0.95	0.95	0.95
597.000	0.95	0.95	0.95	0.95	0.95
598.000	0.95	0.95	0.95	0.95	0.95
599.000	0.96	0.96	0.96	0.96	0.96
600.000	0.96	0.96	0.96	0.96	0.96
601.000	0.96	0.96	0.96	0.96	0.96
602.000	0.96	0.96	0.96	0.96	0.96
603.000	0.96	0.96	0.96	0.96	0.96
604.000	0.96	0.96	0.96	0.96	0.96
605.000	0.96	0.96	0.96	0.96	0.96
606.000	0.96	0.96	0.96	0.96	0.96
607.000	0.96	0.96	0.96	0.96	0.96
608.000	0.97	0.97	0.97	0.97	0.97
609.000	0.97	0.97	0.97	0.97	0.97
610.000	0.97	0.97	0.97	0.97	0.97
611.000	0.97	0.97	0.97	0.97	0.97
612.000	0.97	0.97	0.97	0.97	0.97
613.000	0.97	0.97	0.97	0.97	0.97
614.000	0.97	0.97	0.97	0.97	0.97

Orifice Calculations

Subsection: Time vs. Elevation
Scenario: Base
Label: RDF-1 (OUT)

Time vs. Elevation (ft)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
615.000	0.97	0.97	0.97	0.97	0.97
616.000	0.97	0.97	0.97	0.98	0.98
617.000	0.98	0.98	0.98	0.98	0.98
618.000	0.98	0.98	0.98	0.98	0.98
619.000	0.98	0.98	0.98	0.98	0.98
620.000	0.98	0.98	0.98	0.98	0.98
621.000	0.98	0.98	0.98	0.98	0.98
622.000	0.98	0.98	0.98	0.98	0.98
623.000	0.98	0.98	0.98	0.98	0.98
624.000	0.98	0.98	0.98	0.98	0.98
625.000	0.99	0.99	0.99	0.99	0.99
626.000	0.99	0.99	0.99	0.99	0.99
627.000	0.99	0.99	0.99	0.99	0.99
628.000	0.99	0.99	0.99	0.99	0.99
629.000	0.99	0.99	0.99	0.99	0.99
630.000	0.99	0.99	0.99	0.99	0.99
631.000	0.99	0.99	0.99	0.99	0.99
632.000	0.99	0.99	0.99	0.99	0.99
633.000	0.99	1.00	1.00	1.00	1.00
634.000	1.00	1.00	1.00	1.00	1.00
635.000	1.00	1.00	1.00	1.00	1.00
636.000	1.00	1.00	1.00	1.00	1.00
637.000	1.00	1.00	1.00	1.00	1.00
638.000	1.00	1.00	1.00	1.00	1.00
639.000	1.00	1.00	1.00	1.00	1.00
640.000	1.00	1.00	1.00	1.00	1.00
641.000	1.00	1.01	1.01	1.01	1.01
642.000	1.01	1.01	1.01	1.01	1.01
643.000	1.01	1.01	1.01	1.01	1.01
644.000	1.01	1.01	1.01	1.01	1.01
645.000	1.01	1.01	1.01	1.01	1.01
646.000	1.01	1.01	1.01	1.01	1.01
647.000	1.01	1.01	1.01	1.01	1.01
648.000	1.01	1.01	1.01	1.01	1.01
649.000	1.01	1.01	1.02	1.02	1.02
650.000	1.02	1.02	1.02	1.02	1.02
651.000	1.02	1.02	1.02	1.02	1.02
652.000	1.02	1.02	1.02	1.02	1.02
653.000	1.02	1.02	1.02	1.02	1.02
654.000	1.02	1.02	1.02	1.02	1.02
655.000	1.02	1.02	1.02	1.02	1.02

Orifice Calculations

Subsection: Time vs. Elevation
Scenario: Base
Label: RDF-1 (OUT)

Time vs. Elevation (ft)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
656.000	1.02	1.02	1.02	1.02	1.02
657.000	1.02	1.03	1.03	1.03	1.03
658.000	1.03	1.03	1.03	1.03	1.03
659.000	1.03	1.03	1.03	1.03	1.03
660.000	1.03	1.03	1.03	1.03	1.03
661.000	1.03	1.03	1.03	1.03	1.03
662.000	1.03	1.03	1.03	1.03	1.03
663.000	1.03	1.03	1.03	1.03	1.03
664.000	1.03	1.03	1.03	1.03	1.04
665.000	1.04	1.04	1.04	1.04	1.04
666.000	1.04	1.04	1.04	1.04	1.04
667.000	1.04	1.04	1.04	1.04	1.04
668.000	1.04	1.04	1.04	1.04	1.04
669.000	1.04	1.04	1.04	1.04	1.04
670.000	1.04	1.04	1.04	1.04	1.04
671.000	1.04	1.04	1.04	1.04	1.04
672.000	1.04	1.04	1.05	1.05	1.05
673.000	1.05	1.05	1.05	1.05	1.05
674.000	1.05	1.05	1.05	1.05	1.05
675.000	1.05	1.05	1.05	1.05	1.05
676.000	1.05	1.05	1.05	1.05	1.05
677.000	1.05	1.05	1.05	1.05	1.05
678.000	1.05	1.05	1.05	1.05	1.05
679.000	1.05	1.05	1.05	1.06	1.06
680.000	1.06	1.06	1.06	1.06	1.06
681.000	1.06	1.06	1.06	1.06	1.06
682.000	1.06	1.06	1.06	1.06	1.06
683.000	1.06	1.06	1.06	1.06	1.06
684.000	1.06	1.06	1.06	1.06	1.06
685.000	1.06	1.06	1.06	1.06	1.06
686.000	1.06	1.06	1.06	1.07	1.07
687.000	1.07	1.07	1.07	1.07	1.07
688.000	1.07	1.07	1.07	1.07	1.07
689.000	1.07	1.07	1.07	1.07	1.07
690.000	1.07	1.07	1.07	1.07	1.07
691.000	1.07	1.07	1.07	1.07	1.07
692.000	1.07	1.07	1.07	1.07	1.07
693.000	1.07	1.07	1.07	1.08	1.08
694.000	1.08	1.08	1.08	1.08	1.08
695.000	1.08	1.08	1.08	1.08	1.08
696.000	1.08	1.08	1.08	1.08	1.08

Orifice Calculations

Subsection: Time vs. Elevation
Scenario: Base
Label: RDF-1 (OUT)

Time vs. Elevation (ft)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
697.000	1.08	1.08	1.08	1.08	1.08
698.000	1.08	1.08	1.08	1.08	1.08
699.000	1.08	1.08	1.08	1.08	1.08
700.000	1.08	1.08	1.09	1.09	1.09
701.000	1.09	1.09	1.09	1.09	1.09
702.000	1.09	1.09	1.09	1.09	1.09
703.000	1.09	1.09	1.09	1.09	1.09
704.000	1.09	1.09	1.09	1.09	1.09
705.000	1.09	1.09	1.09	1.09	1.09
706.000	1.09	1.09	1.09	1.09	1.09
707.000	1.10	1.10	1.10	1.10	1.10
708.000	1.10	1.10	1.10	1.10	1.10
709.000	1.10	1.10	1.10	1.10	1.10
710.000	1.10	1.10	1.10	1.10	1.10
711.000	1.10	1.10	1.10	1.10	1.10
712.000	1.10	1.10	1.10	1.10	1.10
713.000	1.10	1.10	1.10	1.11	1.11
714.000	1.11	1.11	1.11	1.11	1.11
715.000	1.11	1.11	1.11	1.11	1.11
716.000	1.11	1.11	1.11	1.11	1.11
717.000	1.11	1.11	1.11	1.11	1.11
718.000	1.11	1.11	1.11	1.11	1.11
719.000	1.11	1.11	1.11	1.11	1.11
720.000	1.12	1.12	1.12	1.12	1.12
721.000	1.12	1.12	1.12	1.12	1.12
722.000	1.12	1.12	1.12	1.12	1.12
723.000	1.12	1.12	1.12	1.12	1.12
724.000	1.12	1.12	1.12	1.12	1.12
725.000	1.12	1.12	1.12	1.12	1.12
726.000	1.12	1.12	1.13	1.13	1.13
727.000	1.13	1.13	1.13	1.13	1.13
728.000	1.13	1.13	1.13	1.13	1.13
729.000	1.13	1.13	1.13	1.13	1.13
730.000	1.13	1.13	1.13	1.13	1.13
731.000	1.13	1.13	1.13	1.13	1.13
732.000	1.13	1.13	1.13	1.14	1.14
733.000	1.14	1.14	1.14	1.14	1.14
734.000	1.14	1.14	1.14	1.14	1.14
735.000	1.14	1.14	1.14	1.14	1.14
736.000	1.14	1.14	1.14	1.14	1.14
737.000	1.14	1.14	1.14	1.14	1.14

Orifice Calculations

Subsection: Time vs. Elevation
Scenario: Base
Label: RDF-1 (OUT)

Time vs. Elevation (ft)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
738.000	1.14	1.14	1.14	1.15	1.15
739.000	1.15	1.15	1.15	1.15	1.15
740.000	1.15	1.15	1.15	1.15	1.15
741.000	1.15	1.15	1.15	1.15	1.15
742.000	1.15	1.15	1.15	1.15	1.15
743.000	1.15	1.15	1.15	1.15	1.15
744.000	1.15	1.15	1.15	1.16	1.16
745.000	1.16	1.16	1.16	1.16	1.16
746.000	1.16	1.16	1.16	1.16	1.16
747.000	1.16	1.16	1.16	1.16	1.16
748.000	1.16	1.16	1.16	1.16	1.16
749.000	1.16	1.16	1.16	1.16	1.16
750.000	1.16	1.16	1.17	1.17	1.17
751.000	1.17	1.17	1.17	1.17	1.17
752.000	1.17	1.17	1.17	1.17	1.17
753.000	1.17	1.17	1.17	1.17	1.17
754.000	1.17	1.17	1.17	1.17	1.17
755.000	1.17	1.17	1.17	1.17	1.17
756.000	1.18	1.18	1.18	1.18	1.18
757.000	1.18	1.18	1.18	1.18	1.18
758.000	1.18	1.18	1.18	1.18	1.18
759.000	1.18	1.18	1.18	1.18	1.18
760.000	1.18	1.18	1.18	1.18	1.18
761.000	1.18	1.18	1.18	1.19	1.19
762.000	1.19	1.19	1.19	1.19	1.19
763.000	1.19	1.19	1.19	1.19	1.19
764.000	1.19	1.19	1.19	1.19	1.19
765.000	1.19	1.19	1.19	1.19	1.19
766.000	1.19	1.19	1.19	1.19	1.19
767.000	1.20	1.20	1.20	1.20	1.20
768.000	1.20	1.20	1.20	1.20	1.20
769.000	1.20	1.20	1.20	1.20	1.20
770.000	1.20	1.20	1.20	1.20	1.20
771.000	1.20	1.20	1.20	1.20	1.20
772.000	1.20	1.20	1.21	1.21	1.21
773.000	1.21	1.21	1.21	1.21	1.21
774.000	1.21	1.21	1.21	1.21	1.21
775.000	1.21	1.21	1.21	1.21	1.21
776.000	1.21	1.21	1.21	1.21	1.21
777.000	1.21	1.21	1.21	1.21	1.22
778.000	1.22	1.22	1.22	1.22	1.22

Orifice Calculations

Subsection: Time vs. Elevation
Scenario: Base
Label: RDF-1 (OUT)

Time vs. Elevation (ft)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
779.000	1.22	1.22	1.22	1.22	1.22
780.000	1.22	1.22	1.22	1.22	1.22
781.000	1.22	1.22	1.22	1.22	1.22
782.000	1.22	1.22	1.22	1.22	1.22
783.000	1.22	1.23	1.23	1.23	1.23
784.000	1.23	1.23	1.23	1.23	1.23
785.000	1.23	1.23	1.23	1.23	1.23
786.000	1.23	1.23	1.23	1.23	1.23
787.000	1.23	1.23	1.23	1.23	1.23
788.000	1.23	1.24	1.24	1.24	1.24
789.000	1.24	1.24	1.24	1.24	1.24
790.000	1.24	1.24	1.24	1.24	1.24
791.000	1.24	1.24	1.24	1.24	1.24
792.000	1.24	1.24	1.24	1.24	1.24
793.000	1.24	1.25	1.25	1.25	1.25
794.000	1.25	1.25	1.25	1.25	1.25
795.000	1.25	1.25	1.25	1.25	1.25
796.000	1.25	1.25	1.25	1.25	1.25
797.000	1.25	1.25	1.25	1.25	1.25
798.000	1.25	1.26	1.26	1.26	1.26
799.000	1.26	1.26	1.26	1.26	1.26
800.000	1.26	1.26	1.26	1.26	1.26
801.000	1.26	1.26	1.26	1.26	1.26
802.000	1.26	1.26	1.26	1.26	1.26
803.000	1.27	1.27	1.27	1.27	1.27
804.000	1.27	1.27	1.27	1.27	1.27
805.000	1.27	1.27	1.27	1.27	1.27
806.000	1.27	1.27	1.27	1.27	1.27
807.000	1.27	1.27	1.27	1.27	1.28
808.000	1.28	1.28	1.28	1.28	1.28
809.000	1.28	1.28	1.28	1.28	1.28
810.000	1.28	1.28	1.28	1.28	1.28
811.000	1.28	1.28	1.28	1.28	1.28
812.000	1.28	1.28	1.29	1.29	1.29
813.000	1.29	1.29	1.29	1.29	1.29
814.000	1.29	1.29	1.29	1.29	1.29
815.000	1.29	1.29	1.29	1.29	1.29
816.000	1.29	1.29	1.29	1.29	1.29
817.000	1.30	1.30	1.30	1.30	1.30
818.000	1.30	1.30	1.30	1.30	1.30
819.000	1.30	1.30	1.30	1.30	1.30

Orifice Calculations

Subsection: Time vs. Elevation
Scenario: Base
Label: RDF-1 (OUT)

Time vs. Elevation (ft)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
820.000	1.30	1.30	1.30	1.30	1.30
821.000	1.30	1.30	1.31	1.31	1.31
822.000	1.31	1.31	1.31	1.31	1.31
823.000	1.31	1.31	1.31	1.31	1.31
824.000	1.31	1.31	1.31	1.31	1.31
825.000	1.31	1.31	1.31	1.31	1.31
826.000	1.32	1.32	1.32	1.32	1.32
827.000	1.32	1.32	1.32	1.32	1.32
828.000	1.32	1.32	1.32	1.32	1.32
829.000	1.32	1.32	1.32	1.32	1.32
830.000	1.32	1.32	1.33	1.33	1.33
831.000	1.33	1.33	1.33	1.33	1.33
832.000	1.33	1.33	1.33	1.33	1.33
833.000	1.33	1.33	1.33	1.33	1.33
834.000	1.33	1.33	1.33	1.34	1.34
835.000	1.34	1.34	1.34	1.34	1.34
836.000	1.34	1.34	1.34	1.34	1.34
837.000	1.34	1.34	1.34	1.34	1.34
838.000	1.34	1.34	1.34	1.34	1.35
839.000	1.35	1.35	1.35	1.35	1.35
840.000	1.35	1.35	1.35	1.35	1.35
841.000	1.35	1.35	1.35	1.35	1.35
842.000	1.35	1.35	1.35	1.35	1.35
843.000	1.36	1.36	1.36	1.36	1.36
844.000	1.36	1.36	1.36	1.36	1.36
845.000	1.36	1.36	1.36	1.36	1.36
846.000	1.36	1.36	1.36	1.36	1.36
847.000	1.37	1.37	1.37	1.37	1.37
848.000	1.37	1.37	1.37	1.37	1.37
849.000	1.37	1.37	1.37	1.37	1.37
850.000	1.37	1.37	1.37	1.37	1.37
851.000	1.38	1.38	1.38	1.38	1.38
852.000	1.38	1.38	1.38	1.38	1.38
853.000	1.38	1.38	1.38	1.38	1.38
854.000	1.38	1.38	1.38	1.38	1.38
855.000	1.39	1.39	1.39	1.39	1.39
856.000	1.39	1.39	1.39	1.39	1.39
857.000	1.39	1.39	1.39	1.39	1.39
858.000	1.39	1.39	1.39	1.39	1.40
859.000	1.40	1.40	1.40	1.40	1.40
860.000	1.40	1.40	1.40	1.40	1.40

Orifice Calculations

Subsection: Time vs. Elevation
Scenario: Base
Label: RDF-1 (OUT)

Time vs. Elevation (ft)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
861.000	1.40	1.40	1.40	1.40	1.40
862.000	1.40	1.40	1.40	1.41	1.41
863.000	1.41	1.41	1.41	1.41	1.41
864.000	1.41	1.41	1.41	1.41	1.41
865.000	1.41	1.41	1.41	1.41	1.41
866.000	1.41	1.41	1.42	1.42	1.42
867.000	1.42	1.42	1.42	1.42	1.42
868.000	1.42	1.42	1.42	1.42	1.42
869.000	1.42	1.42	1.42	1.42	1.42
870.000	1.42	1.43	1.43	1.43	1.43
871.000	1.43	1.43	1.43	1.43	1.43
872.000	1.43	1.43	1.43	1.43	1.43
873.000	1.43	1.43	1.43	1.43	1.44
874.000	1.44	1.44	1.44	1.44	1.44
875.000	1.44	1.44	1.44	1.44	1.44
876.000	1.44	1.44	1.44	1.44	1.44
877.000	1.44	1.44	1.45	1.45	1.45
878.000	1.45	1.45	1.45	1.45	1.45
879.000	1.45	1.45	1.45	1.45	1.45
880.000	1.45	1.45	1.45	1.45	1.45
881.000	1.46	1.46	1.46	1.46	1.46
882.000	1.46	1.46	1.46	1.46	1.46
883.000	1.46	1.46	1.46	1.46	1.46
884.000	1.46	1.46	1.47	1.47	1.47
885.000	1.47	1.47	1.47	1.47	1.47
886.000	1.47	1.47	1.47	1.47	1.47
887.000	1.47	1.47	1.47	1.47	1.48
888.000	1.48	1.48	1.48	1.48	1.48
889.000	1.48	1.48	1.48	1.48	1.48
890.000	1.48	1.48	1.48	1.48	1.48
891.000	1.48	1.49	1.49	1.49	1.49
892.000	1.49	1.49	1.49	1.49	1.49
893.000	1.49	1.49	1.49	1.49	1.49
894.000	1.49	1.49	1.50	1.50	1.50
895.000	1.50	1.50	1.50	1.50	1.50
896.000	1.50	1.50	1.50	1.50	1.50
897.000	1.50	1.50	1.50	1.50	1.51
898.000	1.51	1.51	1.51	1.51	1.51
899.000	1.51	1.51	1.51	1.51	1.51
900.000	1.51	1.51	1.51	1.51	1.51
901.000	1.52	1.52	1.52	1.52	1.52

Orifice Calculations

Subsection: Time vs. Elevation
Scenario: Base
Label: RDF-1 (OUT)

Time vs. Elevation (ft)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
902.000	1.52	1.52	1.52	1.52	1.52
903.000	1.52	1.52	1.52	1.52	1.52
904.000	1.52	1.53	1.53	1.53	1.53
905.000	1.53	1.53	1.53	1.53	1.53
906.000	1.53	1.53	1.53	1.53	1.53
907.000	1.53	1.53	1.54	1.54	1.54
908.000	1.54	1.54	1.54	1.54	1.54
909.000	1.54	1.54	1.54	1.54	1.54
910.000	1.54	1.54	1.55	1.55	1.55
911.000	1.55	1.55	1.55	1.55	1.55
912.000	1.55	1.55	1.55	1.55	1.55
913.000	1.55	1.55	1.56	1.56	1.56
914.000	1.56	1.56	1.56	1.56	1.56
915.000	1.56	1.56	1.56	1.56	1.56
916.000	1.56	1.56	1.57	1.57	1.57
917.000	1.57	1.57	1.57	1.57	1.57
918.000	1.57	1.57	1.57	1.57	1.57
919.000	1.57	1.57	1.58	1.58	1.58
920.000	1.58	1.58	1.58	1.58	1.58
921.000	1.58	1.58	1.58	1.58	1.58
922.000	1.58	1.59	1.59	1.59	1.59
923.000	1.59	1.59	1.59	1.59	1.59
924.000	1.59	1.59	1.59	1.59	1.59
925.000	1.59	1.60	1.60	1.60	1.60
926.000	1.60	1.60	1.60	1.60	1.60
927.000	1.60	1.60	1.60	1.60	1.60
928.000	1.61	1.61	1.61	1.61	1.61
929.000	1.61	1.61	1.61	1.61	1.61
930.000	1.61	1.61	1.61	1.61	1.62
931.000	1.62	1.62	1.62	1.62	1.62
932.000	1.62	1.62	1.62	1.62	1.62
933.000	1.62	1.62	1.62	1.63	1.63
934.000	1.63	1.63	1.63	1.63	1.63
935.000	1.63	1.63	1.63	1.63	1.63
936.000	1.63	1.64	1.64	1.64	1.64
937.000	1.64	1.64	1.64	1.64	1.64
938.000	1.64	1.64	1.64	1.64	1.64
939.000	1.65	1.65	1.65	1.65	1.65
940.000	1.65	1.65	1.65	1.65	1.65
941.000	1.65	1.65	1.65	1.66	1.66
942.000	1.66	1.66	1.66	1.66	1.66

Orifice Calculations

Subsection: Time vs. Elevation
Scenario: Base
Label: RDF-1 (OUT)

Time vs. Elevation (ft)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
943.000	1.66	1.66	1.66	1.66	1.66
944.000	1.66	1.67	1.67	1.67	1.67
945.000	1.67	1.67	1.67	1.67	1.67
946.000	1.67	1.67	1.67	1.68	1.68
947.000	1.68	1.68	1.68	1.68	1.68
948.000	1.68	1.68	1.68	1.68	1.68
949.000	1.68	1.69	1.69	1.69	1.69
950.000	1.69	1.69	1.69	1.69	1.69
951.000	1.69	1.69	1.69	1.70	1.70
952.000	1.70	1.70	1.70	1.70	1.70
953.000	1.70	1.70	1.70	1.70	1.70
954.000	1.70	1.71	1.71	1.71	1.71
955.000	1.71	1.71	1.71	1.71	1.71
956.000	1.71	1.71	1.71	1.72	1.72
957.000	1.72	1.72	1.72	1.72	1.72
958.000	1.72	1.72	1.72	1.72	1.72
959.000	1.73	1.73	1.73	1.73	1.73
960.000	1.73	1.73	1.73	1.73	1.73
961.000	1.73	1.73	1.74	1.74	1.74
962.000	1.74	1.74	1.74	1.74	1.74
963.000	1.74	1.74	1.74	1.75	1.75
964.000	1.75	1.75	1.75	1.75	1.75
965.000	1.75	1.75	1.75	1.75	1.75
966.000	1.76	1.76	1.76	1.76	1.76
967.000	1.76	1.76	1.76	1.76	1.76
968.000	1.76	1.77	1.77	1.77	1.77
969.000	1.77	1.77	1.77	1.77	1.77
970.000	1.77	1.77	1.78	1.78	1.78
971.000	1.78	1.78	1.78	1.78	1.78
972.000	1.78	1.78	1.78	1.79	1.79
973.000	1.79	1.79	1.79	1.79	1.79
974.000	1.79	1.79	1.79	1.79	1.80
975.000	1.80	1.80	1.80	1.80	1.80
976.000	1.80	1.80	1.80	1.80	1.80
977.000	1.81	1.81	1.81	1.81	1.81
978.000	1.81	1.81	1.81	1.81	1.81
979.000	1.82	1.82	1.82	1.82	1.82
980.000	1.82	1.82	1.82	1.82	1.82
981.000	1.82	1.83	1.83	1.83	1.83
982.000	1.83	1.83	1.83	1.83	1.83
983.000	1.83	1.84	1.84	1.84	1.84

Orifice Calculations

Subsection: Time vs. Elevation
Scenario: Base
Label: RDF-1 (OUT)

Time vs. Elevation (ft)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
984.000	1.84	1.84	1.84	1.84	1.84
985.000	1.84	1.85	1.85	1.85	1.85
986.000	1.85	1.85	1.85	1.85	1.85
987.000	1.85	1.85	1.86	1.86	1.86
988.000	1.86	1.86	1.86	1.86	1.86
989.000	1.86	1.87	1.87	1.87	1.87
990.000	1.87	1.87	1.87	1.87	1.87
991.000	1.87	1.88	1.88	1.88	1.88
992.000	1.88	1.88	1.88	1.88	1.88
993.000	1.88	1.89	1.89	1.89	1.89
994.000	1.89	1.89	1.89	1.89	1.89
995.000	1.89	1.90	1.90	1.90	1.90
996.000	1.90	1.90	1.90	1.90	1.90
997.000	1.90	1.91	1.91	1.91	1.91
998.000	1.91	1.91	1.91	1.91	1.91
999.000	1.91	1.91	1.92	1.92	1.92
1,000.000	1.92	1.92	1.92	1.92	1.92
1,001.000	1.92	1.92	1.92	1.93	1.93
1,002.000	1.93	1.93	1.93	1.93	1.93
1,003.000	1.93	1.93	1.93	1.93	1.93
1,004.000	1.93	1.94	1.94	1.94	1.94
1,005.000	1.94	1.94	1.94	1.94	1.94
1,006.000	1.94	1.94	1.94	1.94	1.95
1,007.000	1.95	1.95	1.95	1.95	1.95
1,008.000	1.95	1.95	1.95	1.95	1.95
1,009.000	1.95	1.95	1.95	1.95	1.96
1,010.000	1.96	1.96	1.96	1.96	1.96
1,011.000	1.96	1.96	1.96	1.96	1.96
1,012.000	1.96	1.96	1.96	1.96	1.96
1,013.000	1.97	1.97	1.97	1.97	1.97
1,014.000	1.97	1.97	1.97	1.97	1.97
1,015.000	1.97	1.97	1.97	1.97	1.97
1,016.000	1.97	1.97	1.98	1.98	1.98
1,017.000	1.98	1.98	1.98	1.98	1.98
1,018.000	1.98	1.98	1.98	1.98	1.98
1,019.000	1.98	1.98	1.98	1.98	1.98
1,020.000	1.98	1.99	1.99	1.99	1.99
1,021.000	1.99	1.99	1.99	1.99	1.99
1,022.000	1.99	1.99	1.99	1.99	1.99
1,023.000	1.99	1.99	1.99	1.99	1.99
1,024.000	2.00	2.00	2.00	2.00	2.00

Orifice Calculations

Subsection: Time vs. Elevation
Scenario: Base
Label: RDF-1 (OUT)

Time vs. Elevation (ft)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
1,025.000	2.00	2.00	2.00	2.00	2.00
1,026.000	2.00	2.00	2.00	2.00	2.00
1,027.000	2.00	2.00	2.00	2.00	2.00
1,028.000	2.00	2.01	2.01	2.01	2.01
1,029.000	2.01	2.01	2.01	2.01	2.01
1,030.000	2.01	2.01	2.01	2.01	2.01
1,031.000	2.01	2.01	2.01	2.01	2.01
1,032.000	2.01	2.01	2.02	2.02	2.02
1,033.000	2.02	2.02	2.02	2.02	2.02
1,034.000	2.02	2.02	2.02	2.02	2.02
1,035.000	2.02	2.02	2.02	2.02	2.02
1,036.000	2.02	2.02	2.02	2.03	2.03
1,037.000	2.03	2.03	2.03	2.03	2.03
1,038.000	2.03	2.03	2.03	2.03	2.03
1,039.000	2.03	2.03	2.03	2.03	2.03
1,040.000	2.03	2.03	2.03	2.04	2.04
1,041.000	2.04	2.04	2.04	2.04	2.04
1,042.000	2.04	2.04	2.04	2.04	2.04
1,043.000	2.04	2.04	2.04	2.04	2.04
1,044.000	2.04	2.04	2.05	2.05	2.05
1,045.000	2.05	2.05	2.05	2.05	2.05
1,046.000	2.05	2.05	2.05	2.05	2.05
1,047.000	2.05	2.05	2.05	2.05	2.05
1,048.000	2.05	2.06	2.06	2.06	2.06
1,049.000	2.06	2.06	2.06	2.06	2.06
1,050.000	2.06	2.06	2.06	2.06	2.06
1,051.000	2.06	2.06	2.06	2.06	2.06
1,052.000	2.07	2.07	2.07	2.07	2.07
1,053.000	2.07	2.07	2.07	2.07	2.07
1,054.000	2.07	2.07	2.07	2.07	2.07
1,055.000	2.07	2.07	2.07	2.08	2.08
1,056.000	2.08	2.08	2.08	2.08	2.08
1,057.000	2.08	2.08	2.08	2.08	2.08
1,058.000	2.08	2.08	2.08	2.08	2.08
1,059.000	2.09	2.09	2.09	2.09	2.09
1,060.000	2.09	2.09	2.09	2.09	2.09
1,061.000	2.09	2.09	2.09	2.09	2.09
1,062.000	2.09	2.09	2.10	2.10	2.10
1,063.000	2.10	2.10	2.10	2.10	2.10
1,064.000	2.10	2.10	2.10	2.10	2.10
1,065.000	2.10	2.10	2.10	2.11	2.11

Orifice Calculations

Subsection: Time vs. Elevation
Scenario: Base
Label: RDF-1 (OUT)

Time vs. Elevation (ft)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
1,066.000	2.11	2.11	2.11	2.11	2.11
1,067.000	2.11	2.11	2.11	2.11	2.11
1,068.000	2.11	2.11	2.11	2.12	2.12
1,069.000	2.12	2.12	2.12	2.12	2.12
1,070.000	2.12	2.12	2.12	2.12	2.12
1,071.000	2.12	2.12	2.13	2.13	2.13
1,072.000	2.13	2.13	2.13	2.13	2.13
1,073.000	2.13	2.13	2.13	2.13	2.13
1,074.000	2.14	2.14	2.14	2.14	2.14
1,075.000	2.14	2.14	2.14	2.14	2.14
1,076.000	2.14	2.14	2.14	2.15	2.15
1,077.000	2.15	2.15	2.15	2.15	2.15
1,078.000	2.15	2.15	2.15	2.15	2.15
1,079.000	2.16	2.16	2.16	2.16	2.16
1,080.000	2.16	2.16	2.16	2.16	2.16
1,081.000	2.16	2.16	2.17	2.17	2.17
1,082.000	2.17	2.17	2.17	2.17	2.17
1,083.000	2.17	2.17	2.17	2.18	2.18
1,084.000	2.18	2.18	2.18	2.18	2.18
1,085.000	2.18	2.18	2.18	2.19	2.19
1,086.000	2.19	2.19	2.19	2.19	2.19
1,087.000	2.19	2.19	2.19	2.20	2.20
1,088.000	2.20	2.20	2.20	2.20	2.20
1,089.000	2.20	2.20	2.20	2.21	2.21
1,090.000	2.21	2.21	2.21	2.21	2.21
1,091.000	2.21	2.21	2.22	2.22	2.22
1,092.000	2.22	2.22	2.22	2.22	2.22
1,093.000	2.22	2.23	2.23	2.23	2.23
1,094.000	2.23	2.23	2.23	2.23	2.23
1,095.000	2.24	2.24	2.24	2.24	2.24
1,096.000	2.24	2.24	2.24	2.25	2.25
1,097.000	2.25	2.25	2.25	2.25	2.25
1,098.000	2.25	2.26	2.26	2.26	2.26
1,099.000	2.26	2.26	2.26	2.27	2.27
1,100.000	2.27	2.27	2.27	2.27	2.27
1,101.000	2.27	2.28	2.28	2.28	2.28
1,102.000	2.28	2.28	2.28	2.29	2.29
1,103.000	2.29	2.29	2.29	2.29	2.29
1,104.000	2.30	2.30	2.30	2.30	2.30
1,105.000	2.30	2.30	2.31	2.31	2.31
1,106.000	2.31	2.31	2.31	2.32	2.32

Orifice Calculations

Subsection: Time vs. Elevation
Scenario: Base
Label: RDF-1 (OUT)

Time vs. Elevation (ft)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
1,107.000	2.32	2.32	2.32	2.32	2.33
1,108.000	2.33	2.33	2.33	2.33	2.33
1,109.000	2.33	2.34	2.34	2.34	2.34
1,110.000	2.34	2.35	2.35	2.35	2.35
1,111.000	2.35	2.35	2.36	2.36	2.36
1,112.000	2.36	2.36	2.36	2.37	2.37
1,113.000	2.37	2.37	2.37	2.38	2.38
1,114.000	2.38	2.38	2.38	2.39	2.39
1,115.000	2.39	2.39	2.39	2.40	2.40
1,116.000	2.40	2.40	2.40	2.41	2.41
1,117.000	2.41	2.41	2.41	2.42	2.42
1,118.000	2.42	2.42	2.42	2.43	2.43
1,119.000	2.43	2.43	2.44	2.44	2.44
1,120.000	2.44	2.44	2.45	2.45	2.45
1,121.000	2.45	2.46	2.46	2.46	2.46
1,122.000	2.47	2.47	2.47	2.47	2.47
1,123.000	2.48	2.48	2.48	2.48	2.49
1,124.000	2.49	2.49	2.50	2.50	2.50
1,125.000	2.50	2.51	2.51	2.51	2.51
1,126.000	2.52	2.52	2.52	2.53	2.53
1,127.000	2.53	2.53	2.54	2.54	2.54
1,128.000	2.55	2.55	2.55	2.55	2.56
1,129.000	2.56	2.56	2.57	2.57	2.57
1,130.000	2.58	2.58	2.58	2.59	2.59
1,131.000	2.59	2.60	2.60	2.60	2.61
1,132.000	2.61	2.61	2.62	2.62	2.62
1,133.000	2.63	2.63	2.63	2.64	2.64
1,134.000	2.64	2.65	2.65	2.66	2.66
1,135.000	2.66	2.67	2.67	2.68	2.68
1,136.000	2.68	2.69	2.69	2.70	2.70
1,137.000	2.70	2.71	2.71	2.72	2.72
1,138.000	2.73	2.73	2.74	2.74	2.74
1,139.000	2.75	2.75	2.76	2.76	2.77
1,140.000	2.77	2.78	2.78	2.79	2.79
1,141.000	2.80	2.80	2.81	2.82	2.82
1,142.000	2.83	2.83	2.84	2.84	2.85
1,143.000	2.86	2.86	2.87	2.87	2.88
1,144.000	2.89	2.89	2.90	2.91	2.91
1,145.000	2.92	2.93	2.93	2.94	2.95
1,146.000	2.95	2.96	2.97	2.98	2.98
1,147.000	2.99	3.00	3.01	3.02	3.02

Orifice Calculations

Subsection: Time vs. Elevation
Scenario: Base
Label: RDF-1 (OUT)

Time vs. Elevation (ft)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
1,148.000	3.03	3.04	3.05	3.06	3.07
1,149.000	3.08	3.09	3.10	3.11	3.12
1,150.000	3.13	3.14	3.15	3.16	3.17
1,151.000	3.19	3.20	3.21	3.23	3.24
1,152.000	3.26	3.28	3.30	3.33	3.35
1,153.000	3.37	3.39	3.41	3.44	3.46
1,154.000	3.48	3.50	3.53	3.55	3.57
1,155.000	3.59	3.62	3.64	3.66	3.68
1,156.000	3.71	3.73	3.75	3.78	3.80
1,157.000	3.82	3.84	3.87	3.89	3.91
1,158.000	3.93	3.95	3.98	4.00	4.02
1,159.000	4.04	4.06	4.08	4.10	4.13
1,160.000	4.15	4.17	4.19	4.21	4.23
1,161.000	4.25	4.27	4.28	4.30	4.32
1,162.000	4.34	4.36	4.37	4.39	4.40
1,163.000	4.42	4.43	4.44	4.46	4.46
1,164.000	4.47	4.47	4.47	4.47	4.47
1,165.000	4.47	4.47	4.47	4.47	4.46
1,166.000	4.46	4.46	4.45	4.45	4.44
1,167.000	4.44	4.44	4.43	4.43	4.42
1,168.000	4.42	4.41	4.41	4.40	4.40
1,169.000	4.39	4.39	4.38	4.37	4.37
1,170.000	4.36	4.36	4.35	4.34	4.34
1,171.000	4.33	4.33	4.32	4.31	4.31
1,172.000	4.30	4.29	4.29	4.28	4.28
1,173.000	4.27	4.26	4.26	4.25	4.24
1,174.000	4.24	4.23	4.22	4.22	4.21
1,175.000	4.20	4.20	4.19	4.19	4.18
1,176.000	4.17	4.17	4.16	4.15	4.15
1,177.000	4.14	4.13	4.13	4.12	4.11
1,178.000	4.11	4.10	4.09	4.09	4.08
1,179.000	4.07	4.07	4.06	4.05	4.05
1,180.000	4.04	4.03	4.03	4.02	4.01
1,181.000	4.01	4.00	3.99	3.99	3.98
1,182.000	3.97	3.97	3.96	3.96	3.95
1,183.000	3.94	3.94	3.93	3.92	3.92
1,184.000	3.91	3.90	3.90	3.89	3.88
1,185.000	3.88	3.87	3.87	3.86	3.85
1,186.000	3.85	3.84	3.83	3.83	3.82
1,187.000	3.81	3.81	3.80	3.80	3.79
1,188.000	3.78	3.78	3.77	3.76	3.76

Orifice Calculations

Subsection: Time vs. Elevation
Scenario: Base
Label: RDF-1 (OUT)

Time vs. Elevation (ft)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
1,189.000	3.75	3.75	3.74	3.73	3.73
1,190.000	3.72	3.72	3.71	3.70	3.70
1,191.000	3.69	3.68	3.68	3.67	3.67
1,192.000	3.66	3.66	3.65	3.64	3.64
1,193.000	3.63	3.63	3.62	3.61	3.61
1,194.000	3.60	3.60	3.59	3.58	3.58
1,195.000	3.57	3.57	3.56	3.56	3.55
1,196.000	3.54	3.54	3.53	3.53	3.52
1,197.000	3.51	3.51	3.50	3.50	3.49
1,198.000	3.49	3.48	3.48	3.47	3.46
1,199.000	3.46	3.45	3.45	3.44	3.44
1,200.000	3.43	3.43	3.42	3.41	3.41
1,201.000	3.40	3.40	3.39	3.39	3.38
1,202.000	3.38	3.37	3.37	3.36	3.35
1,203.000	3.35	3.34	3.34	3.33	3.33
1,204.000	3.32	3.32	3.31	3.31	3.30
1,205.000	3.30	3.29	3.29	3.28	3.28
1,206.000	3.27	3.27	3.26	3.26	3.25
1,207.000	3.25	3.24	3.24	3.23	3.23
1,208.000	3.22	3.22	3.21	3.20	3.20
1,209.000	3.20	3.19	3.19	3.18	3.18
1,210.000	3.17	3.17	3.16	3.16	3.15
1,211.000	3.15	3.14	3.14	3.13	3.13
1,212.000	3.12	3.12	3.11	3.11	3.10
1,213.000	3.10	3.09	3.09	3.08	3.08
1,214.000	3.08	3.07	3.07	3.06	3.06
1,215.000	3.05	3.05	3.04	3.04	3.03
1,216.000	3.03	3.03	3.02	3.02	3.01
1,217.000	3.01	3.00	3.00	2.99	2.99
1,218.000	2.99	2.98	2.98	2.97	2.97
1,219.000	2.96	2.96	2.96	2.95	2.95
1,220.000	2.94	2.94	2.94	2.93	2.93
1,221.000	2.92	2.92	2.92	2.91	2.91
1,222.000	2.90	2.90	2.90	2.89	2.89
1,223.000	2.88	2.88	2.88	2.87	2.87
1,224.000	2.87	2.86	2.86	2.85	2.85
1,225.000	2.85	2.84	2.84	2.84	2.83
1,226.000	2.83	2.82	2.82	2.82	2.81
1,227.000	2.81	2.81	2.80	2.80	2.79
1,228.000	2.79	2.79	2.78	2.78	2.78
1,229.000	2.77	2.77	2.76	2.76	2.76

Orifice Calculations

Subsection: Time vs. Elevation
Scenario: Base
Label: RDF-1 (OUT)

Time vs. Elevation (ft)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
1,230.000	2.75	2.75	2.75	2.74	2.74
1,231.000	2.74	2.73	2.73	2.72	2.72
1,232.000	2.72	2.71	2.71	2.71	2.70
1,233.000	2.70	2.70	2.69	2.69	2.69
1,234.000	2.68	2.68	2.68	2.67	2.67
1,235.000	2.66	2.66	2.66	2.65	2.65
1,236.000	2.65	2.64	2.64	2.64	2.63
1,237.000	2.63	2.63	2.62	2.62	2.62
1,238.000	2.61	2.61	2.61	2.60	2.60
1,239.000	2.60	2.59	2.59	2.59	2.58
1,240.000	2.58	2.58	2.57	2.57	2.57
1,241.000	2.56	2.56	2.56	2.55	2.55
1,242.000	2.55	2.54	2.54	2.54	2.53
1,243.000	2.53	2.53	2.52	2.52	2.52
1,244.000	2.51	2.51	2.51	2.50	2.50
1,245.000	2.50	2.49	2.49	2.49	2.48
1,246.000	2.48	2.48	2.47	2.47	2.47
1,247.000	2.46	2.46	2.46	2.46	2.45
1,248.000	2.45	2.45	2.44	2.44	2.44
1,249.000	2.43	2.43	2.43	2.42	2.42
1,250.000	2.42	2.42	2.41	2.41	2.41
1,251.000	2.40	2.40	2.40	2.39	2.39
1,252.000	2.39	2.39	2.38	2.38	2.38
1,253.000	2.37	2.37	2.37	2.36	2.36
1,254.000	2.36	2.36	2.35	2.35	2.35
1,255.000	2.34	2.34	2.34	2.34	2.33
1,256.000	2.33	2.33	2.32	2.32	2.32
1,257.000	2.32	2.31	2.31	2.31	2.30
1,258.000	2.30	2.30	2.30	2.29	2.29
1,259.000	2.29	2.28	2.28	2.28	2.28
1,260.000	2.27	2.27	2.27	2.27	2.26
1,261.000	2.26	2.26	2.25	2.25	2.25
1,262.000	2.25	2.24	2.24	2.24	2.24
1,263.000	2.23	2.23	2.23	2.23	2.22
1,264.000	2.22	2.22	2.21	2.21	2.21
1,265.000	2.21	2.20	2.20	2.20	2.20
1,266.000	2.19	2.19	2.19	2.19	2.18
1,267.000	2.18	2.18	2.18	2.17	2.17
1,268.000	2.17	2.17	2.16	2.16	2.16
1,269.000	2.16	2.16	2.15	2.15	2.15
1,270.000	2.15	2.14	2.14	2.14	2.14

Orifice Calculations

Subsection: Time vs. Elevation
Scenario: Base
Label: RDF-1 (OUT)

Time vs. Elevation (ft)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
1,271.000	2.13	2.13	2.13	2.13	2.12
1,272.000	2.12	2.12	2.12	2.12	2.11
1,273.000	2.11	2.11	2.11	2.10	2.10
1,274.000	2.10	2.10	2.09	2.09	2.09
1,275.000	2.09	2.09	2.08	2.08	2.08
1,276.000	2.08	2.08	2.07	2.07	2.07
1,277.000	2.07	2.07	2.06	2.06	2.06
1,278.000	2.06	2.05	2.05	2.05	2.05
1,279.000	2.05	2.05	2.04	2.04	2.04
1,280.000	2.04	2.04	2.03	2.03	2.03
1,281.000	2.03	2.03	2.02	2.02	2.02
1,282.000	2.02	2.02	2.02	2.01	2.01
1,283.000	2.01	2.01	2.01	2.00	2.00
1,284.000	2.00	2.00	2.00	2.00	1.99
1,285.000	1.99	1.99	1.99	1.99	1.99
1,286.000	1.98	1.98	1.98	1.98	1.98
1,287.000	1.98	1.98	1.97	1.97	1.97
1,288.000	1.97	1.97	1.97	1.97	1.96
1,289.000	1.96	1.96	1.96	1.96	1.96
1,290.000	1.96	1.95	1.95	1.95	1.95
1,291.000	1.95	1.95	1.95	1.95	1.94
1,292.000	1.94	1.94	1.94	1.94	1.94
1,293.000	1.94	1.94	1.93	1.93	1.93
1,294.000	1.93	1.93	1.93	1.93	1.93
1,295.000	1.93	1.92	1.92	1.92	1.92
1,296.000	1.92	1.92	1.92	1.92	1.92
1,297.000	1.91	1.91	1.91	1.91	1.91
1,298.000	1.91	1.91	1.91	1.91	1.91
1,299.000	1.91	1.90	1.90	1.90	1.90
1,300.000	1.90	1.90	1.90	1.90	1.90
1,301.000	1.90	1.90	1.89	1.89	1.89
1,302.000	1.89	1.89	1.89	1.89	1.89
1,303.000	1.89	1.89	1.89	1.88	1.88
1,304.000	1.88	1.88	1.88	1.88	1.88
1,305.000	1.88	1.88	1.88	1.88	1.88
1,306.000	1.87	1.87	1.87	1.87	1.87
1,307.000	1.87	1.87	1.87	1.87	1.87
1,308.000	1.87	1.86	1.86	1.86	1.86
1,309.000	1.86	1.86	1.86	1.86	1.86
1,310.000	1.86	1.86	1.85	1.85	1.85
1,311.000	1.85	1.85	1.85	1.85	1.85

Orifice Calculations

Subsection: Time vs. Elevation
Scenario: Base
Label: RDF-1 (OUT)

Time vs. Elevation (ft)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
1,312.000	1.85	1.85	1.85	1.85	1.84
1,313.000	1.84	1.84	1.84	1.84	1.84
1,314.000	1.84	1.84	1.84	1.84	1.84
1,315.000	1.83	1.83	1.83	1.83	1.83
1,316.000	1.83	1.83	1.83	1.83	1.83
1,317.000	1.83	1.82	1.82	1.82	1.82
1,318.000	1.82	1.82	1.82	1.82	1.82
1,319.000	1.82	1.82	1.81	1.81	1.81
1,320.000	1.81	1.81	1.81	1.81	1.81
1,321.000	1.81	1.81	1.81	1.80	1.80
1,322.000	1.80	1.80	1.80	1.80	1.80
1,323.000	1.80	1.80	1.80	1.80	1.79
1,324.000	1.79	1.79	1.79	1.79	1.79
1,325.000	1.79	1.79	1.79	1.79	1.79
1,326.000	1.78	1.78	1.78	1.78	1.78
1,327.000	1.78	1.78	1.78	1.78	1.78
1,328.000	1.78	1.77	1.77	1.77	1.77
1,329.000	1.77	1.77	1.77	1.77	1.77
1,330.000	1.77	1.76	1.76	1.76	1.76
1,331.000	1.76	1.76	1.76	1.76	1.76
1,332.000	1.76	1.76	1.75	1.75	1.75
1,333.000	1.75	1.75	1.75	1.75	1.75
1,334.000	1.75	1.75	1.74	1.74	1.74
1,335.000	1.74	1.74	1.74	1.74	1.74
1,336.000	1.74	1.74	1.74	1.73	1.73
1,337.000	1.73	1.73	1.73	1.73	1.73
1,338.000	1.73	1.73	1.73	1.73	1.72
1,339.000	1.72	1.72	1.72	1.72	1.72
1,340.000	1.72	1.72	1.72	1.72	1.71
1,341.000	1.71	1.71	1.71	1.71	1.71
1,342.000	1.71	1.71	1.71	1.71	1.71
1,343.000	1.70	1.70	1.70	1.70	1.70
1,344.000	1.70	1.70	1.70	1.70	1.70
1,345.000	1.69	1.69	1.69	1.69	1.69
1,346.000	1.69	1.69	1.69	1.69	1.69
1,347.000	1.68	1.68	1.68	1.68	1.68
1,348.000	1.68	1.68	1.68	1.68	1.68
1,349.000	1.68	1.67	1.67	1.67	1.67
1,350.000	1.67	1.67	1.67	1.67	1.67
1,351.000	1.67	1.66	1.66	1.66	1.66
1,352.000	1.66	1.66	1.66	1.66	1.66

Orifice Calculations

Subsection: Time vs. Elevation
Scenario: Base
Label: RDF-1 (OUT)

Time vs. Elevation (ft)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
1,353.000	1.66	1.65	1.65	1.65	1.65
1,354.000	1.65	1.65	1.65	1.65	1.65
1,355.000	1.65	1.64	1.64	1.64	1.64
1,356.000	1.64	1.64	1.64	1.64	1.64
1,357.000	1.64	1.64	1.63	1.63	1.63
1,358.000	1.63	1.63	1.63	1.63	1.63
1,359.000	1.63	1.63	1.62	1.62	1.62
1,360.000	1.62	1.62	1.62	1.62	1.62
1,361.000	1.62	1.62	1.61	1.61	1.61
1,362.000	1.61	1.61	1.61	1.61	1.61
1,363.000	1.61	1.61	1.61	1.60	1.60
1,364.000	1.60	1.60	1.60	1.60	1.60
1,365.000	1.60	1.60	1.60	1.59	1.59
1,366.000	1.59	1.59	1.59	1.59	1.59
1,367.000	1.59	1.59	1.59	1.58	1.58
1,368.000	1.58	1.58	1.58	1.58	1.58
1,369.000	1.58	1.58	1.58	1.57	1.57
1,370.000	1.57	1.57	1.57	1.57	1.57
1,371.000	1.57	1.57	1.57	1.56	1.56
1,372.000	1.56	1.56	1.56	1.56	1.56
1,373.000	1.56	1.56	1.56	1.55	1.55
1,374.000	1.55	1.55	1.55	1.55	1.55
1,375.000	1.55	1.55	1.55	1.55	1.54
1,376.000	1.54	1.54	1.54	1.54	1.54
1,377.000	1.54	1.54	1.54	1.54	1.53
1,378.000	1.53	1.53	1.53	1.53	1.53
1,379.000	1.53	1.53	1.53	1.53	1.52
1,380.000	1.52	1.52	1.52	1.52	1.52
1,381.000	1.52	1.52	1.52	1.52	1.51
1,382.000	1.51	1.51	1.51	1.51	1.51
1,383.000	1.51	1.51	1.51	1.51	1.50
1,384.000	1.50	1.50	1.50	1.50	1.50
1,385.000	1.50	1.50	1.50	1.50	1.50
1,386.000	1.49	1.49	1.49	1.49	1.49
1,387.000	1.49	1.49	1.49	1.49	1.49
1,388.000	1.48	1.48	1.48	1.48	1.48
1,389.000	1.48	1.48	1.48	1.48	1.48
1,390.000	1.47	1.47	1.47	1.47	1.47
1,391.000	1.47	1.47	1.47	1.47	1.47
1,392.000	1.46	1.46	1.46	1.46	1.46
1,393.000	1.46	1.46	1.46	1.46	1.46

Orifice Calculations

Subsection: Time vs. Elevation
Scenario: Base
Label: RDF-1 (OUT)

Time vs. Elevation (ft)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
1,394.000	1.45	1.45	1.45	1.45	1.45
1,395.000	1.45	1.45	1.45	1.45	1.45
1,396.000	1.44	1.44	1.44	1.44	1.44
1,397.000	1.44	1.44	1.44	1.44	1.44
1,398.000	1.44	1.43	1.43	1.43	1.43
1,399.000	1.43	1.43	1.43	1.43	1.43
1,400.000	1.43	1.42	1.42	1.42	1.42
1,401.000	1.42	1.42	1.42	1.42	1.42
1,402.000	1.42	1.41	1.41	1.41	1.41
1,403.000	1.41	1.41	1.41	1.41	1.41
1,404.000	1.41	1.41	1.40	1.40	1.40
1,405.000	1.40	1.40	1.40	1.40	1.40
1,406.000	1.40	1.40	1.39	1.39	1.39
1,407.000	1.39	1.39	1.39	1.39	1.39
1,408.000	1.39	1.39	1.38	1.38	1.38
1,409.000	1.38	1.38	1.38	1.38	1.38
1,410.000	1.38	1.38	1.37	1.37	1.37
1,411.000	1.37	1.37	1.37	1.37	1.37
1,412.000	1.37	1.37	1.37	1.36	1.36
1,413.000	1.36	1.36	1.36	1.36	1.36
1,414.000	1.36	1.36	1.36	1.35	1.35
1,415.000	1.35	1.35	1.35	1.35	1.35
1,416.000	1.35	1.35	1.35	1.34	1.34
1,417.000	1.34	1.34	1.34	1.34	1.34
1,418.000	1.34	1.34	1.34	1.34	1.33
1,419.000	1.33	1.33	1.33	1.33	1.33
1,420.000	1.33	1.33	1.33	1.33	1.32
1,421.000	1.32	1.32	1.32	1.32	1.32
1,422.000	1.32	1.32	1.32	1.32	1.32
1,423.000	1.31	1.31	1.31	1.31	1.31
1,424.000	1.31	1.31	1.31	1.31	1.31
1,425.000	1.30	1.30	1.30	1.30	1.30
1,426.000	1.30	1.30	1.30	1.30	1.30
1,427.000	1.30	1.29	1.29	1.29	1.29
1,428.000	1.29	1.29	1.29	1.29	1.29
1,429.000	1.29	1.28	1.28	1.28	1.28
1,430.000	1.28	1.28	1.28	1.28	1.28
1,431.000	1.28	1.28	1.27	1.27	1.27
1,432.000	1.27	1.27	1.27	1.27	1.27
1,433.000	1.27	1.27	1.26	1.26	1.26
1,434.000	1.26	1.26	1.26	1.26	1.26

Orifice Calculations

Subsection: Time vs. Elevation
Scenario: Base
Label: RDF-1 (OUT)

Time vs. Elevation (ft)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
1,435.000	1.26	1.26	1.26	1.25	1.25
1,436.000	1.25	1.25	1.25	1.25	1.25
1,437.000	1.25	1.25	1.25	1.25	1.24
1,438.000	1.24	1.24	1.24	1.24	1.24
1,439.000	1.24	1.24	1.24	1.24	1.23
1,440.000	1.23	1.23	1.23	1.23	1.23
1,441.000	1.23	1.23	1.23	1.23	1.22
1,442.000	1.22	1.22	1.22	1.22	1.22
1,443.000	1.22	1.22	1.21	1.21	1.21
1,444.000	1.21	1.21	1.21	1.20	1.20
1,445.000	1.20	1.20	1.20	1.20	1.19
1,446.000	1.19	1.19	1.19	1.19	1.18
1,447.000	1.18	1.18	1.18	1.18	1.17
1,448.000	1.17	1.17	1.17	1.16	1.16
1,449.000	1.16	1.16	1.16	1.15	1.15
1,450.000	1.15	1.15	1.14	1.14	1.14
1,451.000	1.14	1.13	1.13	1.13	1.12
1,452.000	1.12	1.12	1.12	1.11	1.11
1,453.000	1.11	1.11	1.10	1.10	1.10
1,454.000	1.09	1.09	1.09	1.09	1.08
1,455.000	1.08	(N/A)	(N/A)	(N/A)	(N/A)

Orifice Calculations

Subsection: Time vs. Volume
Scenario: Base
Label: RDF-1

Time vs. Volume (ft³)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
0.000	0.00	0.00	0.00	1.00	2.00
1.000	3.00	4.00	5.00	7.00	9.00
2.000	11.00	13.00	15.00	18.00	20.00
3.000	23.00	26.00	29.00	33.00	36.00
4.000	40.00	44.00	48.00	52.00	57.00
5.000	61.00	66.00	71.00	76.00	81.00
6.000	87.00	92.00	98.00	104.00	109.00
7.000	115.00	122.00	128.00	134.00	141.00
8.000	148.00	154.00	161.00	168.00	176.00
9.000	183.00	190.00	198.00	206.00	213.00
10.000	221.00	229.00	237.00	245.00	254.00
11.000	262.00	270.00	279.00	288.00	296.00
12.000	305.00	314.00	323.00	331.00	340.00
13.000	348.00	356.00	364.00	372.00	380.00
14.000	388.00	395.00	403.00	410.00	418.00
15.000	425.00	432.00	439.00	446.00	453.00
16.000	460.00	467.00	474.00	481.00	488.00
17.000	494.00	501.00	508.00	514.00	521.00
18.000	528.00	534.00	541.00	547.00	553.00
19.000	560.00	566.00	572.00	579.00	585.00
20.000	591.00	597.00	603.00	609.00	615.00
21.000	621.00	627.00	633.00	639.00	645.00
22.000	651.00	657.00	662.00	668.00	674.00
23.000	679.00	685.00	690.00	696.00	701.00
24.000	707.00	712.00	718.00	723.00	728.00
25.000	734.00	739.00	744.00	750.00	755.00
26.000	760.00	765.00	770.00	775.00	780.00
27.000	785.00	790.00	795.00	800.00	805.00
28.000	810.00	815.00	820.00	825.00	829.00
29.000	834.00	839.00	844.00	849.00	853.00
30.000	858.00	863.00	867.00	872.00	877.00
31.000	881.00	886.00	891.00	895.00	900.00
32.000	904.00	909.00	913.00	918.00	922.00
33.000	927.00	931.00	936.00	940.00	944.00
34.000	949.00	953.00	957.00	962.00	966.00
35.000	970.00	975.00	979.00	983.00	987.00
36.000	992.00	996.00	1,000.00	1,004.00	1,008.00
37.000	1,012.00	1,016.00	1,020.00	1,025.00	1,029.00
38.000	1,033.00	1,037.00	1,041.00	1,045.00	1,049.00
39.000	1,053.00	1,056.00	1,060.00	1,064.00	1,068.00
40.000	1,072.00	1,076.00	1,080.00	1,084.00	1,087.00

Orifice Calculations

Subsection: Time vs. Volume
Scenario: Base
Label: RDF-1

Time vs. Volume (ft³)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
41.000	1,091.00	1,095.00	1,099.00	1,103.00	1,106.00
42.000	1,110.00	1,114.00	1,117.00	1,121.00	1,125.00
43.000	1,129.00	1,132.00	1,136.00	1,139.00	1,143.00
44.000	1,147.00	1,150.00	1,154.00	1,157.00	1,161.00
45.000	1,164.00	1,168.00	1,171.00	1,175.00	1,178.00
46.000	1,182.00	1,185.00	1,189.00	1,192.00	1,195.00
47.000	1,199.00	1,202.00	1,206.00	1,209.00	1,212.00
48.000	1,216.00	1,219.00	1,222.00	1,226.00	1,229.00
49.000	1,232.00	1,236.00	1,239.00	1,242.00	1,246.00
50.000	1,249.00	1,252.00	1,255.00	1,259.00	1,262.00
51.000	1,265.00	1,268.00	1,271.00	1,275.00	1,278.00
52.000	1,281.00	1,284.00	1,287.00	1,290.00	1,294.00
53.000	1,297.00	1,300.00	1,303.00	1,306.00	1,309.00
54.000	1,312.00	1,315.00	1,318.00	1,321.00	1,324.00
55.000	1,327.00	1,330.00	1,334.00	1,337.00	1,340.00
56.000	1,343.00	1,346.00	1,348.00	1,351.00	1,354.00
57.000	1,357.00	1,360.00	1,363.00	1,366.00	1,369.00
58.000	1,372.00	1,375.00	1,378.00	1,381.00	1,384.00
59.000	1,387.00	1,389.00	1,392.00	1,395.00	1,398.00
60.000	1,401.00	1,404.00	1,406.00	1,409.00	1,412.00
61.000	1,415.00	1,418.00	1,420.00	1,423.00	1,426.00
62.000	1,429.00	1,431.00	1,434.00	1,437.00	1,440.00
63.000	1,442.00	1,445.00	1,448.00	1,450.00	1,453.00
64.000	1,456.00	1,459.00	1,461.00	1,464.00	1,466.00
65.000	1,469.00	1,472.00	1,474.00	1,477.00	1,480.00
66.000	1,482.00	1,485.00	1,487.00	1,490.00	1,493.00
67.000	1,495.00	1,498.00	1,500.00	1,503.00	1,505.00
68.000	1,508.00	1,510.00	1,513.00	1,516.00	1,518.00
69.000	1,521.00	1,523.00	1,526.00	1,528.00	1,531.00
70.000	1,533.00	1,535.00	1,538.00	1,540.00	1,543.00
71.000	1,545.00	1,548.00	1,550.00	1,553.00	1,555.00
72.000	1,557.00	1,560.00	1,562.00	1,564.00	1,567.00
73.000	1,569.00	1,572.00	1,574.00	1,576.00	1,579.00
74.000	1,581.00	1,583.00	1,586.00	1,588.00	1,590.00
75.000	1,593.00	1,595.00	1,597.00	1,600.00	1,602.00
76.000	1,604.00	1,606.00	1,609.00	1,611.00	1,613.00
77.000	1,615.00	1,618.00	1,620.00	1,622.00	1,624.00
78.000	1,627.00	1,629.00	1,631.00	1,633.00	1,635.00
79.000	1,638.00	1,640.00	1,642.00	1,644.00	1,646.00
80.000	1,648.00	1,651.00	1,653.00	1,655.00	1,657.00
81.000	1,659.00	1,661.00	1,663.00	1,665.00	1,668.00

Orifice Calculations

Subsection: Time vs. Volume
Scenario: Base
Label: RDF-1

Time vs. Volume (ft³)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
82.000	1,670.00	1,672.00	1,674.00	1,676.00	1,678.00
83.000	1,680.00	1,682.00	1,684.00	1,686.00	1,688.00
84.000	1,690.00	1,692.00	1,695.00	1,697.00	1,699.00
85.000	1,701.00	1,703.00	1,705.00	1,707.00	1,709.00
86.000	1,711.00	1,713.00	1,715.00	1,717.00	1,719.00
87.000	1,721.00	1,723.00	1,725.00	1,726.00	1,728.00
88.000	1,730.00	1,732.00	1,734.00	1,736.00	1,738.00
89.000	1,740.00	1,742.00	1,744.00	1,746.00	1,748.00
90.000	1,750.00	1,751.00	1,753.00	1,755.00	1,757.00
91.000	1,759.00	1,761.00	1,763.00	1,765.00	1,766.00
92.000	1,768.00	1,770.00	1,772.00	1,774.00	1,776.00
93.000	1,777.00	1,779.00	1,781.00	1,783.00	1,785.00
94.000	1,787.00	1,788.00	1,790.00	1,792.00	1,794.00
95.000	1,796.00	1,797.00	1,799.00	1,801.00	1,803.00
96.000	1,804.00	1,806.00	1,808.00	1,810.00	1,811.00
97.000	1,813.00	1,815.00	1,817.00	1,818.00	1,820.00
98.000	1,822.00	1,823.00	1,825.00	1,827.00	1,829.00
99.000	1,830.00	1,832.00	1,834.00	1,835.00	1,837.00
100.000	1,839.00	1,840.00	1,842.00	1,844.00	1,845.00
101.000	1,847.00	1,849.00	1,850.00	1,852.00	1,854.00
102.000	1,855.00	1,857.00	1,858.00	1,860.00	1,862.00
103.000	1,863.00	1,865.00	1,867.00	1,868.00	1,870.00
104.000	1,871.00	1,873.00	1,874.00	1,876.00	1,878.00
105.000	1,879.00	1,881.00	1,882.00	1,884.00	1,885.00
106.000	1,887.00	1,889.00	1,890.00	1,892.00	1,893.00
107.000	1,895.00	1,896.00	1,898.00	1,899.00	1,901.00
108.000	1,902.00	1,904.00	1,905.00	1,907.00	1,908.00
109.000	1,910.00	1,911.00	1,913.00	1,914.00	1,916.00
110.000	1,917.00	1,919.00	1,920.00	1,922.00	1,923.00
111.000	1,925.00	1,926.00	1,928.00	1,929.00	1,931.00
112.000	1,932.00	1,934.00	1,935.00	1,936.00	1,938.00
113.000	1,939.00	1,941.00	1,942.00	1,944.00	1,945.00
114.000	1,946.00	1,948.00	1,949.00	1,951.00	1,952.00
115.000	1,953.00	1,955.00	1,956.00	1,958.00	1,959.00
116.000	1,960.00	1,962.00	1,963.00	1,965.00	1,966.00
117.000	1,967.00	1,969.00	1,970.00	1,971.00	1,973.00
118.000	1,974.00	1,975.00	1,977.00	1,978.00	1,979.00
119.000	1,981.00	1,982.00	1,984.00	1,985.00	1,986.00
120.000	1,987.00	1,989.00	1,990.00	1,991.00	1,993.00
121.000	1,994.00	1,995.00	1,997.00	1,998.00	1,999.00
122.000	2,001.00	2,002.00	2,003.00	2,004.00	2,006.00

Orifice Calculations

Subsection: Time vs. Volume
Scenario: Base
Label: RDF-1

Time vs. Volume (ft³)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
123.000	2,007.00	2,008.00	2,010.00	2,011.00	2,012.00
124.000	2,013.00	2,015.00	2,016.00	2,017.00	2,018.00
125.000	2,020.00	2,021.00	2,022.00	2,023.00	2,025.00
126.000	2,026.00	2,027.00	2,028.00	2,030.00	2,031.00
127.000	2,032.00	2,033.00	2,034.00	2,036.00	2,037.00
128.000	2,038.00	2,039.00	2,041.00	2,042.00	2,043.00
129.000	2,044.00	2,045.00	2,047.00	2,048.00	2,049.00
130.000	2,050.00	2,051.00	2,053.00	2,054.00	2,055.00
131.000	2,056.00	2,057.00	2,058.00	2,060.00	2,061.00
132.000	2,062.00	2,063.00	2,064.00	2,065.00	2,067.00
133.000	2,068.00	2,069.00	2,070.00	2,071.00	2,072.00
134.000	2,073.00	2,075.00	2,076.00	2,077.00	2,078.00
135.000	2,079.00	2,080.00	2,081.00	2,082.00	2,084.00
136.000	2,085.00	2,086.00	2,087.00	2,088.00	2,089.00
137.000	2,090.00	2,091.00	2,092.00	2,094.00	2,095.00
138.000	2,096.00	2,097.00	2,098.00	2,099.00	2,100.00
139.000	2,101.00	2,102.00	2,103.00	2,104.00	2,105.00
140.000	2,107.00	2,108.00	2,109.00	2,110.00	2,111.00
141.000	2,112.00	2,113.00	2,114.00	2,115.00	2,116.00
142.000	2,117.00	2,118.00	2,119.00	2,120.00	2,121.00
143.000	2,122.00	2,123.00	2,124.00	2,125.00	2,126.00
144.000	2,128.00	2,129.00	2,130.00	2,131.00	2,132.00
145.000	2,133.00	2,134.00	2,135.00	2,135.00	2,137.00
146.000	2,138.00	2,139.00	2,140.00	2,141.00	2,142.00
147.000	2,143.00	2,144.00	2,145.00	2,146.00	2,147.00
148.000	2,148.00	2,149.00	2,150.00	2,151.00	2,152.00
149.000	2,153.00	2,154.00	2,155.00	2,156.00	2,157.00
150.000	2,158.00	2,159.00	2,160.00	2,161.00	2,162.00
151.000	2,163.00	2,164.00	2,165.00	2,166.00	2,167.00
152.000	2,168.00	2,169.00	2,170.00	2,171.00	2,172.00
153.000	2,173.00	2,173.00	2,174.00	2,175.00	2,176.00
154.000	2,177.00	2,178.00	2,179.00	2,180.00	2,181.00
155.000	2,182.00	2,183.00	2,184.00	2,185.00	2,186.00
156.000	2,187.00	2,188.00	2,189.00	2,190.00	2,191.00
157.000	2,192.00	2,193.00	2,194.00	2,195.00	2,196.00
158.000	2,197.00	2,198.00	2,198.00	2,199.00	2,200.00
159.000	2,201.00	2,202.00	2,203.00	2,204.00	2,205.00
160.000	2,206.00	2,207.00	2,208.00	2,209.00	2,210.00
161.000	2,211.00	2,212.00	2,213.00	2,213.00	2,214.00
162.000	2,215.00	2,216.00	2,217.00	2,218.00	2,219.00
163.000	2,220.00	2,221.00	2,222.00	2,223.00	2,224.00

Orifice Calculations

Subsection: Time vs. Volume
Scenario: Base
Label: RDF-1

Time vs. Volume (ft³)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
164.000	2,225.00	2,226.00	2,226.00	2,227.00	2,228.00
165.000	2,229.00	2,230.00	2,231.00	2,232.00	2,233.00
166.000	2,234.00	2,235.00	2,236.00	2,237.00	2,237.00
167.000	2,238.00	2,239.00	2,240.00	2,241.00	2,242.00
168.000	2,243.00	2,244.00	2,245.00	2,246.00	2,246.00
169.000	2,247.00	2,248.00	2,249.00	2,250.00	2,251.00
170.000	2,252.00	2,253.00	2,254.00	2,255.00	2,255.00
171.000	2,256.00	2,257.00	2,258.00	2,259.00	2,260.00
172.000	2,261.00	2,262.00	2,263.00	2,263.00	2,264.00
173.000	2,265.00	2,266.00	2,267.00	2,268.00	2,269.00
174.000	2,270.00	2,271.00	2,271.00	2,272.00	2,273.00
175.000	2,274.00	2,275.00	2,276.00	2,277.00	2,278.00
176.000	2,278.00	2,279.00	2,280.00	2,281.00	2,282.00
177.000	2,283.00	2,284.00	2,285.00	2,285.00	2,286.00
178.000	2,287.00	2,288.00	2,289.00	2,290.00	2,291.00
179.000	2,291.00	2,292.00	2,293.00	2,294.00	2,295.00
180.000	2,296.00	2,297.00	2,297.00	2,298.00	2,299.00
181.000	2,300.00	2,301.00	2,302.00	2,303.00	2,303.00
182.000	2,304.00	2,305.00	2,306.00	2,307.00	2,308.00
183.000	2,309.00	2,309.00	2,310.00	2,311.00	2,312.00
184.000	2,313.00	2,314.00	2,314.00	2,315.00	2,316.00
185.000	2,317.00	2,318.00	2,319.00	2,320.00	2,320.00
186.000	2,321.00	2,322.00	2,323.00	2,324.00	2,325.00
187.000	2,325.00	2,326.00	2,327.00	2,328.00	2,329.00
188.000	2,330.00	2,330.00	2,331.00	2,332.00	2,333.00
189.000	2,334.00	2,335.00	2,335.00	2,336.00	2,337.00
190.000	2,338.00	2,339.00	2,339.00	2,340.00	2,341.00
191.000	2,342.00	2,343.00	2,344.00	2,344.00	2,345.00
192.000	2,346.00	2,347.00	2,348.00	2,349.00	2,349.00
193.000	2,350.00	2,351.00	2,352.00	2,353.00	2,353.00
194.000	2,354.00	2,355.00	2,356.00	2,357.00	2,357.00
195.000	2,358.00	2,359.00	2,360.00	2,361.00	2,362.00
196.000	2,362.00	2,363.00	2,364.00	2,365.00	2,366.00
197.000	2,366.00	2,367.00	2,368.00	2,369.00	2,370.00
198.000	2,370.00	2,371.00	2,372.00	2,373.00	2,374.00
199.000	2,374.00	2,375.00	2,376.00	2,377.00	2,378.00
200.000	2,378.00	2,379.00	2,380.00	2,381.00	2,382.00
201.000	2,382.00	2,383.00	2,384.00	2,385.00	2,386.00
202.000	2,386.00	2,387.00	2,388.00	2,389.00	2,390.00
203.000	2,390.00	2,391.00	2,392.00	2,393.00	2,393.00
204.000	2,394.00	2,395.00	2,396.00	2,397.00	2,397.00

Orifice Calculations

Subsection: Time vs. Volume
Scenario: Base
Label: RDF-1

Time vs. Volume (ft³)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
205.000	2,398.00	2,399.00	2,400.00	2,401.00	2,401.00
206.000	2,402.00	2,403.00	2,404.00	2,404.00	2,405.00
207.000	2,406.00	2,407.00	2,408.00	2,408.00	2,409.00
208.000	2,410.00	2,411.00	2,411.00	2,412.00	2,413.00
209.000	2,414.00	2,415.00	2,415.00	2,416.00	2,417.00
210.000	2,418.00	2,418.00	2,419.00	2,420.00	2,421.00
211.000	2,422.00	2,422.00	2,423.00	2,424.00	2,425.00
212.000	2,425.00	2,426.00	2,427.00	2,428.00	2,428.00
213.000	2,429.00	2,430.00	2,431.00	2,432.00	2,432.00
214.000	2,433.00	2,434.00	2,435.00	2,435.00	2,436.00
215.000	2,437.00	2,438.00	2,438.00	2,439.00	2,440.00
216.000	2,441.00	2,441.00	2,442.00	2,443.00	2,444.00
217.000	2,445.00	2,445.00	2,446.00	2,447.00	2,448.00
218.000	2,448.00	2,449.00	2,450.00	2,451.00	2,451.00
219.000	2,452.00	2,453.00	2,454.00	2,454.00	2,455.00
220.000	2,456.00	2,457.00	2,457.00	2,458.00	2,459.00
221.000	2,460.00	2,460.00	2,461.00	2,462.00	2,463.00
222.000	2,463.00	2,464.00	2,465.00	2,466.00	2,466.00
223.000	2,467.00	2,468.00	2,469.00	2,469.00	2,470.00
224.000	2,471.00	2,472.00	2,472.00	2,473.00	2,474.00
225.000	2,475.00	2,475.00	2,476.00	2,477.00	2,478.00
226.000	2,478.00	2,479.00	2,480.00	2,481.00	2,481.00
227.000	2,482.00	2,483.00	2,484.00	2,484.00	2,485.00
228.000	2,486.00	2,487.00	2,487.00	2,488.00	2,489.00
229.000	2,489.00	2,490.00	2,491.00	2,492.00	2,492.00
230.000	2,493.00	2,494.00	2,495.00	2,495.00	2,496.00
231.000	2,497.00	2,498.00	2,498.00	2,499.00	2,500.00
232.000	2,501.00	2,501.00	2,502.00	2,503.00	2,503.00
233.000	2,504.00	2,505.00	2,506.00	2,506.00	2,507.00
234.000	2,508.00	2,509.00	2,509.00	2,510.00	2,511.00
235.000	2,512.00	2,512.00	2,513.00	2,514.00	2,514.00
236.000	2,515.00	2,516.00	2,517.00	2,517.00	2,518.00
237.000	2,519.00	2,520.00	2,520.00	2,521.00	2,522.00
238.000	2,522.00	2,523.00	2,524.00	2,525.00	2,525.00
239.000	2,526.00	2,527.00	2,528.00	2,528.00	2,529.00
240.000	2,530.00	2,530.00	2,531.00	2,532.00	2,533.00
241.000	2,533.00	2,534.00	2,535.00	2,536.00	2,536.00
242.000	2,537.00	2,538.00	2,538.00	2,539.00	2,540.00
243.000	2,541.00	2,541.00	2,542.00	2,543.00	2,543.00
244.000	2,544.00	2,545.00	2,546.00	2,546.00	2,547.00
245.000	2,548.00	2,548.00	2,549.00	2,550.00	2,551.00

Orifice Calculations

Subsection: Time vs. Volume
Scenario: Base
Label: RDF-1

Time vs. Volume (ft³)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
246.000	2,551.00	2,552.00	2,553.00	2,553.00	2,554.00
247.000	2,555.00	2,556.00	2,556.00	2,557.00	2,558.00
248.000	2,559.00	2,559.00	2,560.00	2,561.00	2,561.00
249.000	2,562.00	2,563.00	2,564.00	2,564.00	2,565.00
250.000	2,566.00	2,566.00	2,567.00	2,568.00	2,568.00
251.000	2,569.00	2,570.00	2,571.00	2,571.00	2,572.00
252.000	2,573.00	2,573.00	2,574.00	2,575.00	2,576.00
253.000	2,576.00	2,577.00	2,578.00	2,578.00	2,579.00
254.000	2,580.00	2,581.00	2,581.00	2,582.00	2,583.00
255.000	2,583.00	2,584.00	2,585.00	2,586.00	2,586.00
256.000	2,587.00	2,588.00	2,588.00	2,589.00	2,590.00
257.000	2,590.00	2,591.00	2,592.00	2,593.00	2,593.00
258.000	2,594.00	2,595.00	2,595.00	2,596.00	2,597.00
259.000	2,598.00	2,598.00	2,599.00	2,600.00	2,600.00
260.000	2,601.00	2,602.00	2,602.00	2,603.00	2,604.00
261.000	2,605.00	2,605.00	2,606.00	2,607.00	2,607.00
262.000	2,608.00	2,609.00	2,610.00	2,610.00	2,611.00
263.000	2,612.00	2,612.00	2,613.00	2,614.00	2,614.00
264.000	2,615.00	2,616.00	2,617.00	2,617.00	2,618.00
265.000	2,619.00	2,619.00	2,620.00	2,621.00	2,621.00
266.000	2,622.00	2,623.00	2,624.00	2,624.00	2,625.00
267.000	2,626.00	2,626.00	2,627.00	2,628.00	2,628.00
268.000	2,629.00	2,630.00	2,631.00	2,631.00	2,632.00
269.000	2,633.00	2,633.00	2,634.00	2,635.00	2,635.00
270.000	2,636.00	2,637.00	2,638.00	2,638.00	2,639.00
271.000	2,640.00	2,640.00	2,641.00	2,642.00	2,642.00
272.000	2,643.00	2,644.00	2,645.00	2,645.00	2,646.00
273.000	2,647.00	2,647.00	2,648.00	2,649.00	2,649.00
274.000	2,650.00	2,651.00	2,651.00	2,652.00	2,653.00
275.000	2,654.00	2,654.00	2,655.00	2,656.00	2,656.00
276.000	2,657.00	2,658.00	2,658.00	2,659.00	2,660.00
277.000	2,661.00	2,661.00	2,662.00	2,663.00	2,663.00
278.000	2,664.00	2,665.00	2,665.00	2,666.00	2,667.00
279.000	2,667.00	2,668.00	2,669.00	2,670.00	2,670.00
280.000	2,671.00	2,672.00	2,672.00	2,673.00	2,673.00
281.000	2,674.00	2,675.00	2,676.00	2,676.00	2,677.00
282.000	2,678.00	2,679.00	2,679.00	2,680.00	2,681.00
283.000	2,681.00	2,682.00	2,683.00	2,683.00	2,684.00
284.000	2,685.00	2,686.00	2,686.00	2,687.00	2,688.00
285.000	2,688.00	2,689.00	2,690.00	2,690.00	2,691.00
286.000	2,692.00	2,692.00	2,693.00	2,694.00	2,695.00

Orifice Calculations

Subsection: Time vs. Volume
Scenario: Base
Label: RDF-1

Time vs. Volume (ft³)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
287.000	2,695.00	2,696.00	2,697.00	2,697.00	2,698.00
288.000	2,699.00	2,699.00	2,700.00	2,701.00	2,702.00
289.000	2,702.00	2,703.00	2,704.00	2,704.00	2,705.00
290.000	2,706.00	2,707.00	2,707.00	2,708.00	2,709.00
291.000	2,709.00	2,710.00	2,711.00	2,711.00	2,712.00
292.000	2,713.00	2,714.00	2,714.00	2,715.00	2,716.00
293.000	2,716.00	2,717.00	2,718.00	2,718.00	2,719.00
294.000	2,720.00	2,721.00	2,721.00	2,722.00	2,723.00
295.000	2,723.00	2,724.00	2,725.00	2,726.00	2,726.00
296.000	2,727.00	2,728.00	2,728.00	2,729.00	2,730.00
297.000	2,730.00	2,731.00	2,732.00	2,733.00	2,733.00
298.000	2,734.00	2,735.00	2,735.00	2,736.00	2,737.00
299.000	2,738.00	2,738.00	2,739.00	2,740.00	2,740.00
300.000	2,741.00	2,742.00	2,743.00	2,743.00	2,744.00
301.000	2,745.00	2,745.00	2,746.00	2,747.00	2,748.00
302.000	2,748.00	2,749.00	2,750.00	2,750.00	2,751.00
303.000	2,752.00	2,753.00	2,753.00	2,754.00	2,755.00
304.000	2,755.00	2,756.00	2,757.00	2,758.00	2,758.00
305.000	2,759.00	2,760.00	2,760.00	2,761.00	2,762.00
306.000	2,763.00	2,763.00	2,764.00	2,765.00	2,765.00
307.000	2,766.00	2,767.00	2,768.00	2,768.00	2,769.00
308.000	2,770.00	2,770.00	2,771.00	2,772.00	2,773.00
309.000	2,773.00	2,774.00	2,775.00	2,775.00	2,776.00
310.000	2,777.00	2,778.00	2,778.00	2,779.00	2,780.00
311.000	2,781.00	2,781.00	2,782.00	2,783.00	2,783.00
312.000	2,784.00	2,785.00	2,786.00	2,786.00	2,787.00
313.000	2,788.00	2,789.00	2,789.00	2,790.00	2,791.00
314.000	2,791.00	2,792.00	2,793.00	2,794.00	2,794.00
315.000	2,795.00	2,796.00	2,796.00	2,797.00	2,798.00
316.000	2,799.00	2,799.00	2,800.00	2,801.00	2,802.00
317.000	2,802.00	2,803.00	2,804.00	2,804.00	2,805.00
318.000	2,806.00	2,807.00	2,807.00	2,808.00	2,809.00
319.000	2,810.00	2,810.00	2,811.00	2,812.00	2,813.00
320.000	2,813.00	2,814.00	2,815.00	2,815.00	2,816.00
321.000	2,817.00	2,818.00	2,818.00	2,819.00	2,820.00
322.000	2,821.00	2,821.00	2,822.00	2,823.00	2,824.00
323.000	2,824.00	2,825.00	2,826.00	2,826.00	2,827.00
324.000	2,828.00	2,829.00	2,829.00	2,830.00	2,831.00
325.000	2,832.00	2,832.00	2,833.00	2,834.00	2,835.00
326.000	2,835.00	2,836.00	2,837.00	2,838.00	2,838.00
327.000	2,839.00	2,840.00	2,840.00	2,841.00	2,842.00

Orifice Calculations

Subsection: Time vs. Volume
Scenario: Base
Label: RDF-1

Time vs. Volume (ft³)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
328.000	2,843.00	2,843.00	2,844.00	2,845.00	2,846.00
329.000	2,846.00	2,847.00	2,848.00	2,849.00	2,849.00
330.000	2,850.00	2,851.00	2,852.00	2,852.00	2,853.00
331.000	2,854.00	2,855.00	2,855.00	2,856.00	2,857.00
332.000	2,858.00	2,858.00	2,859.00	2,860.00	2,861.00
333.000	2,861.00	2,862.00	2,863.00	2,863.00	2,864.00
334.000	2,865.00	2,866.00	2,866.00	2,867.00	2,868.00
335.000	2,869.00	2,869.00	2,870.00	2,871.00	2,872.00
336.000	2,872.00	2,873.00	2,874.00	2,875.00	2,875.00
337.000	2,876.00	2,877.00	2,878.00	2,878.00	2,879.00
338.000	2,880.00	2,881.00	2,881.00	2,882.00	2,883.00
339.000	2,884.00	2,884.00	2,885.00	2,886.00	2,887.00
340.000	2,887.00	2,888.00	2,889.00	2,890.00	2,890.00
341.000	2,891.00	2,892.00	2,893.00	2,894.00	2,894.00
342.000	2,895.00	2,896.00	2,897.00	2,897.00	2,898.00
343.000	2,899.00	2,900.00	2,900.00	2,901.00	2,902.00
344.000	2,903.00	2,903.00	2,904.00	2,905.00	2,906.00
345.000	2,906.00	2,907.00	2,908.00	2,909.00	2,909.00
346.000	2,910.00	2,911.00	2,912.00	2,912.00	2,913.00
347.000	2,914.00	2,915.00	2,916.00	2,916.00	2,917.00
348.000	2,918.00	2,919.00	2,919.00	2,920.00	2,921.00
349.000	2,922.00	2,922.00	2,923.00	2,924.00	2,925.00
350.000	2,925.00	2,926.00	2,927.00	2,928.00	2,928.00
351.000	2,929.00	2,930.00	2,931.00	2,932.00	2,932.00
352.000	2,933.00	2,934.00	2,935.00	2,935.00	2,936.00
353.000	2,937.00	2,938.00	2,938.00	2,939.00	2,940.00
354.000	2,941.00	2,942.00	2,942.00	2,943.00	2,944.00
355.000	2,945.00	2,945.00	2,946.00	2,947.00	2,948.00
356.000	2,948.00	2,949.00	2,950.00	2,951.00	2,952.00
357.000	2,952.00	2,953.00	2,954.00	2,955.00	2,955.00
358.000	2,956.00	2,957.00	2,958.00	2,959.00	2,959.00
359.000	2,960.00	2,961.00	2,962.00	2,962.00	2,963.00
360.000	2,964.00	2,965.00	2,966.00	2,966.00	2,967.00
361.000	2,968.00	2,969.00	2,969.00	2,970.00	2,971.00
362.000	2,972.00	2,973.00	2,973.00	2,974.00	2,975.00
363.000	2,976.00	2,976.00	2,977.00	2,978.00	2,979.00
364.000	2,980.00	2,980.00	2,981.00	2,982.00	2,983.00
365.000	2,983.00	2,984.00	2,985.00	2,986.00	2,987.00
366.000	2,987.00	2,988.00	2,989.00	2,990.00	2,991.00
367.000	2,991.00	2,992.00	2,993.00	2,994.00	2,994.00
368.000	2,995.00	2,996.00	2,997.00	2,998.00	2,998.00

Orifice Calculations

Subsection: Time vs. Volume
Scenario: Base
Label: RDF-1

Time vs. Volume (ft³)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
369.000	2,999.00	3,000.00	3,001.00	3,002.00	3,002.00
370.000	3,003.00	3,004.00	3,005.00	3,005.00	3,006.00
371.000	3,007.00	3,008.00	3,009.00	3,009.00	3,010.00
372.000	3,011.00	3,012.00	3,013.00	3,013.00	3,014.00
373.000	3,015.00	3,016.00	3,017.00	3,017.00	3,018.00
374.000	3,019.00	3,020.00	3,021.00	3,021.00	3,022.00
375.000	3,023.00	3,024.00	3,025.00	3,025.00	3,026.00
376.000	3,027.00	3,028.00	3,029.00	3,029.00	3,030.00
377.000	3,031.00	3,032.00	3,032.00	3,033.00	3,034.00
378.000	3,035.00	3,036.00	3,036.00	3,037.00	3,038.00
379.000	3,039.00	3,040.00	3,040.00	3,041.00	3,042.00
380.000	3,043.00	3,044.00	3,045.00	3,045.00	3,046.00
381.000	3,047.00	3,048.00	3,049.00	3,049.00	3,050.00
382.000	3,051.00	3,052.00	3,053.00	3,053.00	3,054.00
383.000	3,055.00	3,056.00	3,057.00	3,057.00	3,058.00
384.000	3,059.00	3,060.00	3,061.00	3,061.00	3,062.00
385.000	3,063.00	3,064.00	3,065.00	3,065.00	3,066.00
386.000	3,067.00	3,068.00	3,069.00	3,070.00	3,070.00
387.000	3,071.00	3,072.00	3,073.00	3,074.00	3,074.00
388.000	3,075.00	3,076.00	3,077.00	3,078.00	3,078.00
389.000	3,079.00	3,080.00	3,081.00	3,082.00	3,083.00
390.000	3,083.00	3,084.00	3,085.00	3,086.00	3,087.00
391.000	3,087.00	3,088.00	3,089.00	3,090.00	3,091.00
392.000	3,092.00	3,092.00	3,093.00	3,094.00	3,095.00
393.000	3,096.00	3,096.00	3,097.00	3,098.00	3,099.00
394.000	3,100.00	3,101.00	3,101.00	3,102.00	3,103.00
395.000	3,104.00	3,105.00	3,105.00	3,106.00	3,107.00
396.000	3,108.00	3,109.00	3,110.00	3,110.00	3,111.00
397.000	3,112.00	3,113.00	3,114.00	3,115.00	3,115.00
398.000	3,116.00	3,117.00	3,118.00	3,119.00	3,119.00
399.000	3,120.00	3,121.00	3,122.00	3,123.00	3,124.00
400.000	3,124.00	3,125.00	3,126.00	3,127.00	3,128.00
401.000	3,129.00	3,129.00	3,130.00	3,131.00	3,132.00
402.000	3,133.00	3,134.00	3,134.00	3,135.00	3,136.00
403.000	3,137.00	3,138.00	3,139.00	3,139.00	3,140.00
404.000	3,141.00	3,142.00	3,143.00	3,144.00	3,144.00
405.000	3,145.00	3,146.00	3,147.00	3,148.00	3,149.00
406.000	3,149.00	3,150.00	3,151.00	3,152.00	3,153.00
407.000	3,154.00	3,154.00	3,155.00	3,156.00	3,157.00
408.000	3,158.00	3,159.00	3,160.00	3,160.00	3,161.00
409.000	3,162.00	3,163.00	3,164.00	3,165.00	3,165.00

Orifice Calculations

Subsection: Time vs. Volume
Scenario: Base
Label: RDF-1

Time vs. Volume (ft³)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
410.000	3,166.00	3,167.00	3,168.00	3,169.00	3,170.00
411.000	3,170.00	3,171.00	3,172.00	3,173.00	3,174.00
412.000	3,175.00	3,176.00	3,176.00	3,177.00	3,178.00
413.000	3,179.00	3,180.00	3,181.00	3,182.00	3,182.00
414.000	3,183.00	3,184.00	3,185.00	3,186.00	3,187.00
415.000	3,187.00	3,188.00	3,189.00	3,190.00	3,191.00
416.000	3,192.00	3,193.00	3,193.00	3,194.00	3,195.00
417.000	3,196.00	3,197.00	3,198.00	3,199.00	3,199.00
418.000	3,200.00	3,201.00	3,202.00	3,203.00	3,204.00
419.000	3,205.00	3,205.00	3,206.00	3,207.00	3,208.00
420.000	3,209.00	3,210.00	3,211.00	3,211.00	3,212.00
421.000	3,213.00	3,214.00	3,215.00	3,216.00	3,217.00
422.000	3,217.00	3,218.00	3,219.00	3,220.00	3,221.00
423.000	3,222.00	3,223.00	3,223.00	3,224.00	3,225.00
424.000	3,226.00	3,227.00	3,228.00	3,229.00	3,230.00
425.000	3,230.00	3,231.00	3,232.00	3,233.00	3,234.00
426.000	3,235.00	3,236.00	3,236.00	3,237.00	3,238.00
427.000	3,239.00	3,240.00	3,241.00	3,242.00	3,243.00
428.000	3,243.00	3,244.00	3,245.00	3,246.00	3,247.00
429.000	3,248.00	3,249.00	3,250.00	3,250.00	3,251.00
430.000	3,252.00	3,253.00	3,254.00	3,255.00	3,256.00
431.000	3,257.00	3,257.00	3,258.00	3,259.00	3,260.00
432.000	3,261.00	3,262.00	3,263.00	3,264.00	3,264.00
433.000	3,265.00	3,266.00	3,267.00	3,268.00	3,269.00
434.000	3,270.00	3,271.00	3,272.00	3,272.00	3,273.00
435.000	3,274.00	3,275.00	3,276.00	3,277.00	3,278.00
436.000	3,279.00	3,280.00	3,280.00	3,281.00	3,282.00
437.000	3,283.00	3,284.00	3,285.00	3,286.00	3,287.00
438.000	3,288.00	3,288.00	3,289.00	3,290.00	3,291.00
439.000	3,292.00	3,293.00	3,294.00	3,295.00	3,296.00
440.000	3,297.00	3,297.00	3,298.00	3,299.00	3,300.00
441.000	3,301.00	3,302.00	3,303.00	3,304.00	3,305.00
442.000	3,306.00	3,307.00	3,307.00	3,308.00	3,309.00
443.000	3,310.00	3,311.00	3,312.00	3,313.00	3,314.00
444.000	3,315.00	3,316.00	3,317.00	3,317.00	3,318.00
445.000	3,319.00	3,320.00	3,321.00	3,322.00	3,323.00
446.000	3,324.00	3,325.00	3,326.00	3,327.00	3,328.00
447.000	3,328.00	3,329.00	3,330.00	3,331.00	3,332.00
448.000	3,333.00	3,334.00	3,335.00	3,336.00	3,337.00
449.000	3,338.00	3,339.00	3,340.00	3,340.00	3,341.00
450.000	3,342.00	3,343.00	3,344.00	3,345.00	3,346.00

Orifice Calculations

Subsection: Time vs. Volume
Scenario: Base
Label: RDF-1

Time vs. Volume (ft³)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
451.000	3,347.00	3,348.00	3,349.00	3,350.00	3,351.00
452.000	3,352.00	3,353.00	3,353.00	3,354.00	3,355.00
453.000	3,356.00	3,357.00	3,358.00	3,359.00	3,360.00
454.000	3,361.00	3,362.00	3,363.00	3,364.00	3,365.00
455.000	3,366.00	3,367.00	3,368.00	3,368.00	3,369.00
456.000	3,370.00	3,371.00	3,372.00	3,373.00	3,374.00
457.000	3,375.00	3,376.00	3,377.00	3,378.00	3,379.00
458.000	3,380.00	3,381.00	3,382.00	3,383.00	3,384.00
459.000	3,385.00	3,386.00	3,386.00	3,387.00	3,388.00
460.000	3,389.00	3,390.00	3,391.00	3,392.00	3,393.00
461.000	3,394.00	3,395.00	3,396.00	3,397.00	3,398.00
462.000	3,399.00	3,400.00	3,401.00	3,402.00	3,403.00
463.000	3,404.00	3,405.00	3,406.00	3,407.00	3,408.00
464.000	3,408.00	3,409.00	3,410.00	3,411.00	3,412.00
465.000	3,413.00	3,414.00	3,415.00	3,416.00	3,417.00
466.000	3,418.00	3,419.00	3,420.00	3,421.00	3,422.00
467.000	3,423.00	3,424.00	3,425.00	3,426.00	3,427.00
468.000	3,428.00	3,429.00	3,430.00	3,431.00	3,432.00
469.000	3,433.00	3,434.00	3,435.00	3,436.00	3,437.00
470.000	3,438.00	3,439.00	3,440.00	3,441.00	3,442.00
471.000	3,443.00	3,444.00	3,445.00	3,445.00	3,446.00
472.000	3,447.00	3,448.00	3,449.00	3,450.00	3,451.00
473.000	3,452.00	3,453.00	3,454.00	3,455.00	3,456.00
474.000	3,457.00	3,458.00	3,459.00	3,460.00	3,461.00
475.000	3,462.00	3,463.00	3,464.00	3,465.00	3,466.00
476.000	3,467.00	3,468.00	3,469.00	3,470.00	3,471.00
477.000	3,472.00	3,473.00	3,474.00	3,475.00	3,476.00
478.000	3,477.00	3,478.00	3,479.00	3,480.00	3,481.00
479.000	3,482.00	3,483.00	3,484.00	3,485.00	3,486.00
480.000	3,487.00	3,488.00	3,489.00	3,490.00	3,491.00
481.000	3,492.00	3,493.00	3,494.00	3,495.00	3,496.00
482.000	3,497.00	3,498.00	3,499.00	3,500.00	3,501.00
483.000	3,502.00	3,503.00	3,504.00	3,505.00	3,506.00
484.000	3,507.00	3,508.00	3,510.00	3,511.00	3,512.00
485.000	3,513.00	3,514.00	3,515.00	3,516.00	3,517.00
486.000	3,518.00	3,519.00	3,520.00	3,521.00	3,522.00
487.000	3,523.00	3,524.00	3,525.00	3,526.00	3,527.00
488.000	3,528.00	3,529.00	3,530.00	3,531.00	3,532.00
489.000	3,533.00	3,534.00	3,535.00	3,536.00	3,537.00
490.000	3,538.00	3,539.00	3,540.00	3,541.00	3,542.00
491.000	3,543.00	3,544.00	3,545.00	3,546.00	3,548.00

Orifice Calculations

Subsection: Time vs. Volume
Scenario: Base
Label: RDF-1

Time vs. Volume (ft³)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
492.000	3,549.00	3,550.00	3,551.00	3,552.00	3,553.00
493.000	3,554.00	3,555.00	3,556.00	3,557.00	3,558.00
494.000	3,559.00	3,560.00	3,561.00	3,562.00	3,563.00
495.000	3,564.00	3,565.00	3,566.00	3,567.00	3,568.00
496.000	3,569.00	3,570.00	3,571.00	3,573.00	3,574.00
497.000	3,575.00	3,576.00	3,577.00	3,578.00	3,579.00
498.000	3,580.00	3,581.00	3,582.00	3,583.00	3,584.00
499.000	3,585.00	3,586.00	3,587.00	3,588.00	3,589.00
500.000	3,590.00	3,592.00	3,593.00	3,594.00	3,595.00
501.000	3,596.00	3,597.00	3,598.00	3,599.00	3,600.00
502.000	3,601.00	3,602.00	3,603.00	3,604.00	3,605.00
503.000	3,606.00	3,607.00	3,609.00	3,610.00	3,611.00
504.000	3,612.00	3,613.00	3,614.00	3,615.00	3,616.00
505.000	3,617.00	3,618.00	3,619.00	3,620.00	3,621.00
506.000	3,622.00	3,624.00	3,625.00	3,626.00	3,627.00
507.000	3,628.00	3,629.00	3,630.00	3,631.00	3,632.00
508.000	3,633.00	3,634.00	3,635.00	3,636.00	3,638.00
509.000	3,639.00	3,640.00	3,641.00	3,642.00	3,643.00
510.000	3,644.00	3,645.00	3,646.00	3,647.00	3,648.00
511.000	3,649.00	3,651.00	3,652.00	3,653.00	3,654.00
512.000	3,655.00	3,656.00	3,657.00	3,658.00	3,659.00
513.000	3,660.00	3,661.00	3,663.00	3,664.00	3,665.00
514.000	3,666.00	3,667.00	3,668.00	3,669.00	3,670.00
515.000	3,671.00	3,672.00	3,674.00	3,675.00	3,676.00
516.000	3,677.00	3,678.00	3,679.00	3,680.00	3,681.00
517.000	3,682.00	3,683.00	3,685.00	3,686.00	3,687.00
518.000	3,688.00	3,689.00	3,690.00	3,691.00	3,692.00
519.000	3,693.00	3,695.00	3,696.00	3,697.00	3,698.00
520.000	3,699.00	3,700.00	3,701.00	3,702.00	3,703.00
521.000	3,705.00	3,706.00	3,707.00	3,708.00	3,709.00
522.000	3,710.00	3,711.00	3,712.00	3,713.00	3,715.00
523.000	3,716.00	3,717.00	3,718.00	3,719.00	3,720.00
524.000	3,721.00	3,722.00	3,724.00	3,725.00	3,726.00
525.000	3,727.00	3,728.00	3,729.00	3,730.00	3,731.00
526.000	3,733.00	3,734.00	3,735.00	3,736.00	3,737.00
527.000	3,738.00	3,739.00	3,740.00	3,742.00	3,743.00
528.000	3,744.00	3,745.00	3,746.00	3,747.00	3,748.00
529.000	3,750.00	3,751.00	3,752.00	3,753.00	3,754.00
530.000	3,755.00	3,756.00	3,758.00	3,759.00	3,760.00
531.000	3,761.00	3,762.00	3,763.00	3,764.00	3,766.00
532.000	3,767.00	3,768.00	3,769.00	3,770.00	3,771.00

Orifice Calculations

Subsection: Time vs. Volume
Scenario: Base
Label: RDF-1

Time vs. Volume (ft³)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
533.000	3,772.00	3,774.00	3,775.00	3,776.00	3,777.00
534.000	3,778.00	3,779.00	3,780.00	3,782.00	3,783.00
535.000	3,784.00	3,785.00	3,786.00	3,787.00	3,789.00
536.000	3,790.00	3,791.00	3,792.00	3,793.00	3,794.00
537.000	3,795.00	3,797.00	3,798.00	3,799.00	3,800.00
538.000	3,801.00	3,802.00	3,804.00	3,805.00	3,806.00
539.000	3,807.00	3,808.00	3,809.00	3,811.00	3,812.00
540.000	3,813.00	3,814.00	3,815.00	3,816.00	3,818.00
541.000	3,819.00	3,820.00	3,821.00	3,822.00	3,823.00
542.000	3,825.00	3,826.00	3,827.00	3,828.00	3,829.00
543.000	3,831.00	3,832.00	3,833.00	3,834.00	3,835.00
544.000	3,836.00	3,838.00	3,839.00	3,840.00	3,841.00
545.000	3,842.00	3,843.00	3,845.00	3,845.00	3,847.00
546.000	3,848.00	3,849.00	3,851.00	3,852.00	3,853.00
547.000	3,854.00	3,855.00	3,857.00	3,858.00	3,859.00
548.000	3,860.00	3,861.00	3,863.00	3,864.00	3,865.00
549.000	3,866.00	3,867.00	3,869.00	3,870.00	3,871.00
550.000	3,872.00	3,873.00	3,875.00	3,876.00	3,877.00
551.000	3,878.00	3,879.00	3,881.00	3,882.00	3,883.00
552.000	3,884.00	3,885.00	3,887.00	3,888.00	3,889.00
553.000	3,890.00	3,891.00	3,893.00	3,894.00	3,895.00
554.000	3,896.00	3,898.00	3,899.00	3,900.00	3,901.00
555.000	3,902.00	3,904.00	3,905.00	3,906.00	3,907.00
556.000	3,909.00	3,910.00	3,911.00	3,912.00	3,913.00
557.000	3,915.00	3,916.00	3,917.00	3,918.00	3,920.00
558.000	3,921.00	3,922.00	3,923.00	3,925.00	3,926.00
559.000	3,927.00	3,928.00	3,929.00	3,931.00	3,932.00
560.000	3,933.00	3,934.00	3,936.00	3,937.00	3,938.00
561.000	3,939.00	3,941.00	3,942.00	3,943.00	3,944.00
562.000	3,946.00	3,947.00	3,948.00	3,949.00	3,951.00
563.000	3,952.00	3,953.00	3,954.00	3,956.00	3,957.00
564.000	3,958.00	3,959.00	3,961.00	3,962.00	3,963.00
565.000	3,964.00	3,966.00	3,967.00	3,968.00	3,970.00
566.000	3,971.00	3,972.00	3,973.00	3,975.00	3,976.00
567.000	3,977.00	3,978.00	3,980.00	3,981.00	3,982.00
568.000	3,984.00	3,985.00	3,986.00	3,987.00	3,989.00
569.000	3,990.00	3,991.00	3,992.00	3,994.00	3,995.00
570.000	3,996.00	3,998.00	3,999.00	4,000.00	4,001.00
571.000	4,003.00	4,004.00	4,005.00	4,007.00	4,008.00
572.000	4,009.00	4,010.00	4,012.00	4,013.00	4,014.00
573.000	4,016.00	4,017.00	4,018.00	4,019.00	4,021.00

Orifice Calculations

Subsection: Time vs. Volume
Scenario: Base
Label: RDF-1

Time vs. Volume (ft³)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
574.000	4,022.00	4,023.00	4,025.00	4,026.00	4,027.00
575.000	4,029.00	4,030.00	4,031.00	4,033.00	4,034.00
576.000	4,035.00	4,036.00	4,038.00	4,039.00	4,040.00
577.000	4,042.00	4,043.00	4,044.00	4,046.00	4,047.00
578.000	4,048.00	4,050.00	4,051.00	4,052.00	4,053.00
579.000	4,055.00	4,056.00	4,057.00	4,059.00	4,060.00
580.000	4,061.00	4,063.00	4,064.00	4,065.00	4,067.00
581.000	4,068.00	4,069.00	4,071.00	4,072.00	4,073.00
582.000	4,075.00	4,076.00	4,077.00	4,079.00	4,080.00
583.000	4,081.00	4,083.00	4,084.00	4,085.00	4,087.00
584.000	4,088.00	4,089.00	4,091.00	4,092.00	4,093.00
585.000	4,095.00	4,096.00	4,097.00	4,099.00	4,100.00
586.000	4,101.00	4,103.00	4,104.00	4,105.00	4,107.00
587.000	4,108.00	4,110.00	4,111.00	4,112.00	4,114.00
588.000	4,115.00	4,116.00	4,118.00	4,119.00	4,120.00
589.000	4,122.00	4,123.00	4,124.00	4,126.00	4,127.00
590.000	4,129.00	4,130.00	4,131.00	4,133.00	4,134.00
591.000	4,135.00	4,137.00	4,138.00	4,139.00	4,141.00
592.000	4,142.00	4,144.00	4,145.00	4,146.00	4,148.00
593.000	4,149.00	4,150.00	4,152.00	4,153.00	4,155.00
594.000	4,156.00	4,157.00	4,159.00	4,160.00	4,162.00
595.000	4,163.00	4,164.00	4,166.00	4,167.00	4,168.00
596.000	4,170.00	4,171.00	4,173.00	4,174.00	4,175.00
597.000	4,177.00	4,178.00	4,180.00	4,181.00	4,182.00
598.000	4,184.00	4,185.00	4,187.00	4,188.00	4,189.00
599.000	4,191.00	4,192.00	4,194.00	4,195.00	4,196.00
600.000	4,198.00	4,199.00	4,201.00	4,202.00	4,203.00
601.000	4,205.00	4,206.00	4,208.00	4,209.00	4,210.00
602.000	4,212.00	4,213.00	4,215.00	4,216.00	4,218.00
603.000	4,219.00	4,220.00	4,222.00	4,223.00	4,225.00
604.000	4,226.00	4,227.00	4,229.00	4,230.00	4,232.00
605.000	4,233.00	4,235.00	4,236.00	4,237.00	4,239.00
606.000	4,240.00	4,242.00	4,243.00	4,245.00	4,246.00
607.000	4,247.00	4,249.00	4,250.00	4,252.00	4,253.00
608.000	4,255.00	4,256.00	4,258.00	4,259.00	4,260.00
609.000	4,262.00	4,263.00	4,265.00	4,266.00	4,268.00
610.000	4,269.00	4,271.00	4,272.00	4,273.00	4,275.00
611.000	4,276.00	4,278.00	4,279.00	4,281.00	4,282.00
612.000	4,284.00	4,285.00	4,287.00	4,288.00	4,289.00
613.000	4,291.00	4,292.00	4,294.00	4,295.00	4,297.00
614.000	4,298.00	4,300.00	4,301.00	4,303.00	4,304.00

Orifice Calculations

Subsection: Time vs. Volume
Scenario: Base
Label: RDF-1

Time vs. Volume (ft³)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
615.000	4,306.00	4,307.00	4,308.00	4,310.00	4,311.00
616.000	4,313.00	4,314.00	4,316.00	4,317.00	4,319.00
617.000	4,320.00	4,322.00	4,323.00	4,325.00	4,326.00
618.000	4,328.00	4,329.00	4,331.00	4,332.00	4,334.00
619.000	4,335.00	4,337.00	4,338.00	4,340.00	4,341.00
620.000	4,343.00	4,344.00	4,346.00	4,347.00	4,349.00
621.000	4,350.00	4,352.00	4,353.00	4,355.00	4,356.00
622.000	4,357.00	4,359.00	4,360.00	4,362.00	4,364.00
623.000	4,365.00	4,367.00	4,368.00	4,370.00	4,371.00
624.000	4,373.00	4,374.00	4,376.00	4,377.00	4,379.00
625.000	4,380.00	4,382.00	4,383.00	4,385.00	4,386.00
626.000	4,388.00	4,389.00	4,391.00	4,392.00	4,394.00
627.000	4,395.00	4,397.00	4,398.00	4,400.00	4,401.00
628.000	4,403.00	4,404.00	4,406.00	4,407.00	4,409.00
629.000	4,411.00	4,412.00	4,414.00	4,415.00	4,417.00
630.000	4,418.00	4,420.00	4,421.00	4,423.00	4,424.00
631.000	4,426.00	4,427.00	4,429.00	4,430.00	4,432.00
632.000	4,434.00	4,435.00	4,437.00	4,438.00	4,440.00
633.000	4,441.00	4,443.00	4,444.00	4,446.00	4,448.00
634.000	4,449.00	4,451.00	4,452.00	4,454.00	4,455.00
635.000	4,457.00	4,458.00	4,460.00	4,462.00	4,463.00
636.000	4,465.00	4,466.00	4,468.00	4,469.00	4,471.00
637.000	4,473.00	4,474.00	4,476.00	4,477.00	4,479.00
638.000	4,480.00	4,482.00	4,483.00	4,485.00	4,487.00
639.000	4,488.00	4,490.00	4,491.00	4,493.00	4,494.00
640.000	4,496.00	4,498.00	4,499.00	4,501.00	4,502.00
641.000	4,504.00	4,506.00	4,507.00	4,509.00	4,510.00
642.000	4,512.00	4,514.00	4,515.00	4,517.00	4,518.00
643.000	4,520.00	4,522.00	4,523.00	4,525.00	4,526.00
644.000	4,528.00	4,530.00	4,531.00	4,533.00	4,534.00
645.000	4,536.00	4,538.00	4,539.00	4,541.00	4,542.00
646.000	4,544.00	4,546.00	4,547.00	4,549.00	4,551.00
647.000	4,552.00	4,554.00	4,555.00	4,557.00	4,559.00
648.000	4,560.00	4,562.00	4,564.00	4,565.00	4,567.00
649.000	4,568.00	4,570.00	4,572.00	4,573.00	4,575.00
650.000	4,577.00	4,578.00	4,580.00	4,582.00	4,583.00
651.000	4,585.00	4,587.00	4,588.00	4,590.00	4,592.00
652.000	4,593.00	4,595.00	4,596.00	4,598.00	4,600.00
653.000	4,601.00	4,603.00	4,605.00	4,606.00	4,608.00
654.000	4,610.00	4,611.00	4,613.00	4,615.00	4,616.00
655.000	4,618.00	4,620.00	4,621.00	4,623.00	4,625.00

Orifice Calculations

Subsection: Time vs. Volume
Scenario: Base
Label: RDF-1

Time vs. Volume (ft³)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
656.000	4,626.00	4,628.00	4,630.00	4,631.00	4,633.00
657.000	4,635.00	4,637.00	4,638.00	4,640.00	4,642.00
658.000	4,643.00	4,645.00	4,647.00	4,648.00	4,650.00
659.000	4,652.00	4,653.00	4,655.00	4,657.00	4,658.00
660.000	4,660.00	4,662.00	4,664.00	4,665.00	4,667.00
661.000	4,669.00	4,670.00	4,672.00	4,674.00	4,676.00
662.000	4,677.00	4,679.00	4,681.00	4,682.00	4,684.00
663.000	4,686.00	4,688.00	4,689.00	4,691.00	4,693.00
664.000	4,694.00	4,696.00	4,698.00	4,700.00	4,701.00
665.000	4,703.00	4,705.00	4,707.00	4,708.00	4,710.00
666.000	4,712.00	4,713.00	4,715.00	4,717.00	4,719.00
667.000	4,720.00	4,722.00	4,724.00	4,726.00	4,727.00
668.000	4,729.00	4,731.00	4,733.00	4,734.00	4,736.00
669.000	4,738.00	4,740.00	4,741.00	4,743.00	4,745.00
670.000	4,747.00	4,748.00	4,750.00	4,752.00	4,754.00
671.000	4,755.00	4,757.00	4,759.00	4,761.00	4,763.00
672.000	4,764.00	4,766.00	4,768.00	4,770.00	4,771.00
673.000	4,773.00	4,775.00	4,777.00	4,779.00	4,780.00
674.000	4,782.00	4,784.00	4,786.00	4,787.00	4,789.00
675.000	4,791.00	4,793.00	4,795.00	4,796.00	4,798.00
676.000	4,800.00	4,802.00	4,804.00	4,805.00	4,807.00
677.000	4,809.00	4,811.00	4,813.00	4,814.00	4,816.00
678.000	4,818.00	4,820.00	4,822.00	4,823.00	4,825.00
679.000	4,827.00	4,829.00	4,831.00	4,832.00	4,834.00
680.000	4,836.00	4,838.00	4,840.00	4,842.00	4,843.00
681.000	4,845.00	4,847.00	4,849.00	4,851.00	4,853.00
682.000	4,854.00	4,856.00	4,858.00	4,860.00	4,862.00
683.000	4,864.00	4,865.00	4,867.00	4,869.00	4,871.00
684.000	4,873.00	4,875.00	4,876.00	4,878.00	4,880.00
685.000	4,882.00	4,884.00	4,886.00	4,888.00	4,889.00
686.000	4,891.00	4,893.00	4,895.00	4,897.00	4,899.00
687.000	4,901.00	4,902.00	4,904.00	4,906.00	4,908.00
688.000	4,910.00	4,912.00	4,914.00	4,916.00	4,917.00
689.000	4,919.00	4,921.00	4,923.00	4,925.00	4,927.00
690.000	4,929.00	4,931.00	4,932.00	4,934.00	4,936.00
691.000	4,938.00	4,940.00	4,942.00	4,944.00	4,946.00
692.000	4,948.00	4,949.00	4,951.00	4,953.00	4,955.00
693.000	4,957.00	4,959.00	4,961.00	4,963.00	4,965.00
694.000	4,967.00	4,968.00	4,970.00	4,972.00	4,974.00
695.000	4,976.00	4,978.00	4,980.00	4,982.00	4,984.00
696.000	4,986.00	4,988.00	4,990.00	4,991.00	4,993.00

Orifice Calculations

Subsection: Time vs. Volume
Scenario: Base
Label: RDF-1

Time vs. Volume (ft³)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
697.000	4,995.00	4,997.00	4,999.00	5,001.00	5,003.00
698.000	5,005.00	5,007.00	5,009.00	5,011.00	5,013.00
699.000	5,015.00	5,017.00	5,019.00	5,021.00	5,022.00
700.000	5,024.00	5,026.00	5,028.00	5,030.00	5,032.00
701.000	5,034.00	5,036.00	5,038.00	5,040.00	5,042.00
702.000	5,044.00	5,046.00	5,048.00	5,050.00	5,052.00
703.000	5,054.00	5,056.00	5,058.00	5,060.00	5,062.00
704.000	5,064.00	5,066.00	5,068.00	5,070.00	5,071.00
705.000	5,073.00	5,075.00	5,077.00	5,079.00	5,081.00
706.000	5,083.00	5,085.00	5,087.00	5,089.00	5,091.00
707.000	5,093.00	5,095.00	5,097.00	5,099.00	5,101.00
708.000	5,103.00	5,105.00	5,107.00	5,109.00	5,111.00
709.000	5,113.00	5,115.00	5,117.00	5,119.00	5,121.00
710.000	5,123.00	5,125.00	5,127.00	5,129.00	5,131.00
711.000	5,133.00	5,135.00	5,137.00	5,140.00	5,142.00
712.000	5,144.00	5,146.00	5,148.00	5,150.00	5,152.00
713.000	5,154.00	5,156.00	5,158.00	5,160.00	5,162.00
714.000	5,164.00	5,166.00	5,168.00	5,170.00	5,172.00
715.000	5,174.00	5,176.00	5,178.00	5,180.00	5,182.00
716.000	5,184.00	5,186.00	5,189.00	5,191.00	5,193.00
717.000	5,195.00	5,197.00	5,199.00	5,201.00	5,203.00
718.000	5,205.00	5,207.00	5,209.00	5,211.00	5,213.00
719.000	5,216.00	5,218.00	5,220.00	5,222.00	5,224.00
720.000	5,226.00	5,228.00	5,230.00	5,232.00	5,234.00
721.000	5,236.00	5,239.00	5,241.00	5,243.00	5,245.00
722.000	5,247.00	5,249.00	5,251.00	5,253.00	5,255.00
723.000	5,258.00	5,260.00	5,262.00	5,264.00	5,266.00
724.000	5,268.00	5,270.00	5,272.00	5,274.00	5,277.00
725.000	5,279.00	5,281.00	5,283.00	5,285.00	5,287.00
726.000	5,289.00	5,292.00	5,294.00	5,296.00	5,298.00
727.000	5,300.00	5,302.00	5,304.00	5,307.00	5,309.00
728.000	5,311.00	5,313.00	5,315.00	5,317.00	5,320.00
729.000	5,322.00	5,324.00	5,326.00	5,328.00	5,330.00
730.000	5,333.00	5,335.00	5,337.00	5,339.00	5,341.00
731.000	5,343.00	5,346.00	5,348.00	5,350.00	5,352.00
732.000	5,354.00	5,357.00	5,359.00	5,361.00	5,363.00
733.000	5,365.00	5,368.00	5,370.00	5,372.00	5,374.00
734.000	5,376.00	5,379.00	5,381.00	5,383.00	5,385.00
735.000	5,387.00	5,390.00	5,392.00	5,394.00	5,396.00
736.000	5,399.00	5,401.00	5,403.00	5,405.00	5,407.00
737.000	5,410.00	5,412.00	5,414.00	5,416.00	5,419.00

Orifice Calculations

Subsection: Time vs. Volume
Scenario: Base
Label: RDF-1

Time vs. Volume (ft³)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
738.000	5,421.00	5,423.00	5,425.00	5,428.00	5,430.00
739.000	5,432.00	5,434.00	5,437.00	5,439.00	5,441.00
740.000	5,443.00	5,446.00	5,448.00	5,450.00	5,452.00
741.000	5,455.00	5,457.00	5,459.00	5,462.00	5,464.00
742.000	5,466.00	5,468.00	5,471.00	5,473.00	5,475.00
743.000	5,477.00	5,480.00	5,482.00	5,484.00	5,487.00
744.000	5,489.00	5,491.00	5,493.00	5,496.00	5,498.00
745.000	5,500.00	5,503.00	5,505.00	5,507.00	5,510.00
746.000	5,512.00	5,514.00	5,517.00	5,519.00	5,521.00
747.000	5,523.00	5,526.00	5,528.00	5,530.00	5,533.00
748.000	5,535.00	5,537.00	5,540.00	5,542.00	5,544.00
749.000	5,547.00	5,549.00	5,551.00	5,554.00	5,556.00
750.000	5,558.00	5,561.00	5,563.00	5,565.00	5,568.00
751.000	5,570.00	5,573.00	5,575.00	5,577.00	5,580.00
752.000	5,582.00	5,584.00	5,587.00	5,589.00	5,591.00
753.000	5,594.00	5,596.00	5,599.00	5,601.00	5,603.00
754.000	5,606.00	5,608.00	5,610.00	5,613.00	5,615.00
755.000	5,618.00	5,620.00	5,622.00	5,625.00	5,627.00
756.000	5,630.00	5,632.00	5,634.00	5,637.00	5,639.00
757.000	5,642.00	5,644.00	5,646.00	5,649.00	5,651.00
758.000	5,654.00	5,656.00	5,659.00	5,661.00	5,663.00
759.000	5,666.00	5,668.00	5,671.00	5,673.00	5,675.00
760.000	5,678.00	5,680.00	5,683.00	5,685.00	5,688.00
761.000	5,690.00	5,693.00	5,695.00	5,697.00	5,700.00
762.000	5,702.00	5,705.00	5,707.00	5,710.00	5,712.00
763.000	5,715.00	5,717.00	5,720.00	5,722.00	5,725.00
764.000	5,727.00	5,729.00	5,732.00	5,734.00	5,737.00
765.000	5,739.00	5,742.00	5,744.00	5,747.00	5,749.00
766.000	5,752.00	5,754.00	5,757.00	5,759.00	5,762.00
767.000	5,764.00	5,767.00	5,769.00	5,772.00	5,774.00
768.000	5,777.00	5,779.00	5,782.00	5,784.00	5,787.00
769.000	5,789.00	5,792.00	5,794.00	5,797.00	5,799.00
770.000	5,802.00	5,804.00	5,807.00	5,810.00	5,812.00
771.000	5,815.00	5,817.00	5,820.00	5,822.00	5,825.00
772.000	5,827.00	5,830.00	5,832.00	5,835.00	5,838.00
773.000	5,840.00	5,843.00	5,845.00	5,848.00	5,850.00
774.000	5,853.00	5,856.00	5,858.00	5,861.00	5,863.00
775.000	5,866.00	5,868.00	5,871.00	5,874.00	5,876.00
776.000	5,879.00	5,881.00	5,884.00	5,887.00	5,889.00
777.000	5,892.00	5,894.00	5,897.00	5,900.00	5,902.00
778.000	5,905.00	5,907.00	5,910.00	5,913.00	5,915.00

Orifice Calculations

Subsection: Time vs. Volume
Scenario: Base
Label: RDF-1

Time vs. Volume (ft³)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
779.000	5,918.00	5,921.00	5,923.00	5,926.00	5,928.00
780.000	5,931.00	5,934.00	5,936.00	5,939.00	5,942.00
781.000	5,944.00	5,947.00	5,950.00	5,952.00	5,955.00
782.000	5,958.00	5,960.00	5,963.00	5,966.00	5,968.00
783.000	5,971.00	5,974.00	5,976.00	5,979.00	5,982.00
784.000	5,984.00	5,987.00	5,990.00	5,992.00	5,995.00
785.000	5,998.00	6,000.00	6,003.00	6,006.00	6,008.00
786.000	6,011.00	6,014.00	6,017.00	6,019.00	6,022.00
787.000	6,025.00	6,027.00	6,030.00	6,033.00	6,036.00
788.000	6,038.00	6,041.00	6,044.00	6,047.00	6,049.00
789.000	6,052.00	6,055.00	6,057.00	6,060.00	6,063.00
790.000	6,066.00	6,068.00	6,071.00	6,074.00	6,077.00
791.000	6,079.00	6,082.00	6,085.00	6,088.00	6,091.00
792.000	6,093.00	6,096.00	6,099.00	6,102.00	6,104.00
793.000	6,107.00	6,110.00	6,113.00	6,116.00	6,118.00
794.000	6,121.00	6,124.00	6,127.00	6,130.00	6,132.00
795.000	6,135.00	6,138.00	6,141.00	6,144.00	6,146.00
796.000	6,149.00	6,152.00	6,155.00	6,158.00	6,161.00
797.000	6,163.00	6,166.00	6,169.00	6,172.00	6,175.00
798.000	6,178.00	6,180.00	6,183.00	6,186.00	6,189.00
799.000	6,192.00	6,195.00	6,197.00	6,200.00	6,203.00
800.000	6,206.00	6,209.00	6,212.00	6,215.00	6,218.00
801.000	6,220.00	6,223.00	6,226.00	6,229.00	6,232.00
802.000	6,235.00	6,238.00	6,241.00	6,244.00	6,246.00
803.000	6,249.00	6,252.00	6,255.00	6,258.00	6,261.00
804.000	6,264.00	6,267.00	6,270.00	6,273.00	6,276.00
805.000	6,278.00	6,281.00	6,284.00	6,287.00	6,290.00
806.000	6,293.00	6,296.00	6,299.00	6,302.00	6,305.00
807.000	6,308.00	6,311.00	6,314.00	6,317.00	6,320.00
808.000	6,323.00	6,326.00	6,329.00	6,332.00	6,335.00
809.000	6,338.00	6,340.00	6,343.00	6,346.00	6,349.00
810.000	6,352.00	6,355.00	6,358.00	6,361.00	6,364.00
811.000	6,367.00	6,370.00	6,373.00	6,376.00	6,379.00
812.000	6,382.00	6,385.00	6,388.00	6,391.00	6,395.00
813.000	6,398.00	6,401.00	6,404.00	6,407.00	6,410.00
814.000	6,413.00	6,416.00	6,419.00	6,422.00	6,425.00
815.000	6,428.00	6,431.00	6,434.00	6,437.00	6,440.00
816.000	6,443.00	6,446.00	6,449.00	6,452.00	6,455.00
817.000	6,459.00	6,462.00	6,465.00	6,468.00	6,471.00
818.000	6,474.00	6,477.00	6,480.00	6,483.00	6,486.00
819.000	6,489.00	6,493.00	6,496.00	6,499.00	6,502.00

Orifice Calculations

Subsection: Time vs. Volume
Scenario: Base
Label: RDF-1

Time vs. Volume (ft³)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
820.000	6,505.00	6,508.00	6,511.00	6,514.00	6,517.00
821.000	6,521.00	6,524.00	6,527.00	6,530.00	6,533.00
822.000	6,536.00	6,539.00	6,543.00	6,546.00	6,549.00
823.000	6,552.00	6,555.00	6,558.00	6,562.00	6,565.00
824.000	6,568.00	6,571.00	6,574.00	6,577.00	6,581.00
825.000	6,584.00	6,587.00	6,590.00	6,593.00	6,597.00
826.000	6,600.00	6,603.00	6,606.00	6,609.00	6,613.00
827.000	6,616.00	6,619.00	6,622.00	6,625.00	6,629.00
828.000	6,632.00	6,635.00	6,638.00	6,642.00	6,645.00
829.000	6,648.00	6,651.00	6,655.00	6,658.00	6,661.00
830.000	6,664.00	6,668.00	6,671.00	6,674.00	6,677.00
831.000	6,681.00	6,684.00	6,687.00	6,691.00	6,694.00
832.000	6,697.00	6,700.00	6,704.00	6,707.00	6,710.00
833.000	6,714.00	6,717.00	6,720.00	6,724.00	6,727.00
834.000	6,730.00	6,734.00	6,737.00	6,740.00	6,744.00
835.000	6,747.00	6,750.00	6,754.00	6,757.00	6,760.00
836.000	6,764.00	6,767.00	6,770.00	6,774.00	6,777.00
837.000	6,780.00	6,784.00	6,787.00	6,791.00	6,794.00
838.000	6,797.00	6,801.00	6,804.00	6,807.00	6,811.00
839.000	6,814.00	6,818.00	6,821.00	6,824.00	6,828.00
840.000	6,831.00	6,835.00	6,838.00	6,842.00	6,845.00
841.000	6,848.00	6,852.00	6,855.00	6,859.00	6,862.00
842.000	6,866.00	6,869.00	6,873.00	6,876.00	6,879.00
843.000	6,883.00	6,886.00	6,890.00	6,893.00	6,897.00
844.000	6,900.00	6,904.00	6,907.00	6,911.00	6,914.00
845.000	6,918.00	6,921.00	6,925.00	6,928.00	6,932.00
846.000	6,935.00	6,939.00	6,942.00	6,946.00	6,949.00
847.000	6,953.00	6,956.00	6,960.00	6,963.00	6,967.00
848.000	6,970.00	6,974.00	6,978.00	6,981.00	6,985.00
849.000	6,988.00	6,992.00	6,995.00	6,999.00	7,002.00
850.000	7,006.00	7,010.00	7,013.00	7,017.00	7,020.00
851.000	7,024.00	7,027.00	7,031.00	7,035.00	7,038.00
852.000	7,042.00	7,046.00	7,049.00	7,053.00	7,056.00
853.000	7,060.00	7,064.00	7,067.00	7,071.00	7,074.00
854.000	7,078.00	7,082.00	7,085.00	7,089.00	7,093.00
855.000	7,096.00	7,100.00	7,104.00	7,107.00	7,111.00
856.000	7,115.00	7,118.00	7,122.00	7,126.00	7,129.00
857.000	7,133.00	7,137.00	7,141.00	7,144.00	7,148.00
858.000	7,152.00	7,155.00	7,159.00	7,163.00	7,166.00
859.000	7,170.00	7,174.00	7,178.00	7,181.00	7,185.00
860.000	7,189.00	7,193.00	7,196.00	7,201.00	7,204.00

Orifice Calculations

Subsection: Time vs. Volume
Scenario: Base
Label: RDF-1

Time vs. Volume (ft³)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
861.000	7,208.00	7,211.00	7,215.00	7,219.00	7,223.00
862.000	7,226.00	7,230.00	7,234.00	7,238.00	7,242.00
863.000	7,245.00	7,249.00	7,253.00	7,257.00	7,261.00
864.000	7,264.00	7,268.00	7,272.00	7,276.00	7,280.00
865.000	7,284.00	7,287.00	7,291.00	7,295.00	7,299.00
866.000	7,303.00	7,307.00	7,310.00	7,314.00	7,318.00
867.000	7,322.00	7,326.00	7,330.00	7,334.00	7,338.00
868.000	7,342.00	7,345.00	7,349.00	7,353.00	7,357.00
869.000	7,361.00	7,365.00	7,369.00	7,373.00	7,377.00
870.000	7,381.00	7,385.00	7,388.00	7,392.00	7,396.00
871.000	7,400.00	7,404.00	7,408.00	7,412.00	7,416.00
872.000	7,420.00	7,424.00	7,428.00	7,432.00	7,436.00
873.000	7,440.00	7,444.00	7,448.00	7,452.00	7,456.00
874.000	7,460.00	7,464.00	7,468.00	7,472.00	7,476.00
875.000	7,480.00	7,484.00	7,488.00	7,492.00	7,496.00
876.000	7,500.00	7,504.00	7,508.00	7,512.00	7,517.00
877.000	7,521.00	7,525.00	7,529.00	7,533.00	7,537.00
878.000	7,541.00	7,545.00	7,549.00	7,553.00	7,557.00
879.000	7,562.00	7,566.00	7,570.00	7,574.00	7,578.00
880.000	7,582.00	7,586.00	7,590.00	7,595.00	7,599.00
881.000	7,603.00	7,607.00	7,611.00	7,615.00	7,619.00
882.000	7,624.00	7,628.00	7,632.00	7,636.00	7,640.00
883.000	7,645.00	7,649.00	7,653.00	7,657.00	7,661.00
884.000	7,666.00	7,670.00	7,674.00	7,678.00	7,682.00
885.000	7,687.00	7,691.00	7,695.00	7,699.00	7,704.00
886.000	7,708.00	7,712.00	7,716.00	7,721.00	7,725.00
887.000	7,729.00	7,734.00	7,738.00	7,742.00	7,746.00
888.000	7,751.00	7,755.00	7,759.00	7,764.00	7,768.00
889.000	7,772.00	7,777.00	7,781.00	7,785.00	7,790.00
890.000	7,794.00	7,798.00	7,803.00	7,807.00	7,811.00
891.000	7,816.00	7,820.00	7,824.00	7,829.00	7,833.00
892.000	7,838.00	7,842.00	7,846.00	7,851.00	7,855.00
893.000	7,860.00	7,864.00	7,868.00	7,873.00	7,877.00
894.000	7,882.00	7,886.00	7,891.00	7,895.00	7,899.00
895.000	7,904.00	7,908.00	7,913.00	7,917.00	7,922.00
896.000	7,927.00	7,931.00	7,935.00	7,940.00	7,944.00
897.000	7,949.00	7,953.00	7,958.00	7,962.00	7,967.00
898.000	7,971.00	7,976.00	7,980.00	7,985.00	7,989.00
899.000	7,994.00	7,998.00	8,003.00	8,008.00	8,012.00
900.000	8,017.00	8,021.00	8,026.00	8,030.00	8,035.00
901.000	8,040.00	8,044.00	8,049.00	8,054.00	8,058.00

Orifice Calculations

Subsection: Time vs. Volume
Scenario: Base
Label: RDF-1

Time vs. Volume (ft³)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
902.000	8,063.00	8,067.00	8,072.00	8,077.00	8,081.00
903.000	8,086.00	8,091.00	8,095.00	8,100.00	8,105.00
904.000	8,109.00	8,114.00	8,119.00	8,123.00	8,128.00
905.000	8,133.00	8,137.00	8,142.00	8,147.00	8,151.00
906.000	8,156.00	8,161.00	8,166.00	8,170.00	8,175.00
907.000	8,180.00	8,185.00	8,189.00	8,194.00	8,199.00
908.000	8,204.00	8,208.00	8,213.00	8,218.00	8,223.00
909.000	8,228.00	8,232.00	8,237.00	8,242.00	8,247.00
910.000	8,252.00	8,257.00	8,261.00	8,266.00	8,271.00
911.000	8,276.00	8,281.00	8,286.00	8,290.00	8,295.00
912.000	8,300.00	8,305.00	8,310.00	8,315.00	8,320.00
913.000	8,325.00	8,330.00	8,335.00	8,339.00	8,344.00
914.000	8,349.00	8,354.00	8,359.00	8,364.00	8,369.00
915.000	8,374.00	8,379.00	8,384.00	8,389.00	8,394.00
916.000	8,399.00	8,404.00	8,409.00	8,414.00	8,419.00
917.000	8,424.00	8,429.00	8,434.00	8,439.00	8,444.00
918.000	8,449.00	8,454.00	8,459.00	8,464.00	8,469.00
919.000	8,474.00	8,479.00	8,484.00	8,490.00	8,495.00
920.000	8,500.00	8,505.00	8,510.00	8,515.00	8,520.00
921.000	8,525.00	8,530.00	8,536.00	8,541.00	8,546.00
922.000	8,551.00	8,556.00	8,561.00	8,566.00	8,572.00
923.000	8,577.00	8,582.00	8,587.00	8,592.00	8,598.00
924.000	8,603.00	8,608.00	8,613.00	8,618.00	8,624.00
925.000	8,629.00	8,634.00	8,639.00	8,645.00	8,650.00
926.000	8,655.00	8,660.00	8,666.00	8,671.00	8,676.00
927.000	8,682.00	8,687.00	8,692.00	8,698.00	8,703.00
928.000	8,708.00	8,714.00	8,719.00	8,724.00	8,730.00
929.000	8,735.00	8,740.00	8,746.00	8,751.00	8,756.00
930.000	8,762.00	8,767.00	8,773.00	8,778.00	8,783.00
931.000	8,789.00	8,794.00	8,800.00	8,805.00	8,811.00
932.000	8,816.00	8,821.00	8,827.00	8,832.00	8,838.00
933.000	8,843.00	8,849.00	8,854.00	8,860.00	8,865.00
934.000	8,871.00	8,876.00	8,882.00	8,887.00	8,893.00
935.000	8,899.00	8,904.00	8,910.00	8,915.00	8,921.00
936.000	8,926.00	8,932.00	8,938.00	8,943.00	8,949.00
937.000	8,954.00	8,960.00	8,966.00	8,971.00	8,977.00
938.000	8,983.00	8,988.00	8,994.00	9,000.00	9,005.00
939.000	9,011.00	9,017.00	9,022.00	9,028.00	9,034.00
940.000	9,039.00	9,045.00	9,051.00	9,057.00	9,062.00
941.000	9,068.00	9,074.00	9,080.00	9,085.00	9,091.00
942.000	9,097.00	9,103.00	9,108.00	9,114.00	9,120.00

Orifice Calculations

Subsection: Time vs. Volume
Scenario: Base
Label: RDF-1

Time vs. Volume (ft³)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
943.000	9,126.00	9,132.00	9,138.00	9,143.00	9,149.00
944.000	9,155.00	9,161.00	9,167.00	9,173.00	9,178.00
945.000	9,184.00	9,190.00	9,196.00	9,202.00	9,208.00
946.000	9,214.00	9,220.00	9,226.00	9,232.00	9,238.00
947.000	9,244.00	9,250.00	9,256.00	9,262.00	9,267.00
948.000	9,273.00	9,279.00	9,285.00	9,291.00	9,298.00
949.000	9,304.00	9,310.00	9,316.00	9,322.00	9,328.00
950.000	9,334.00	9,340.00	9,346.00	9,352.00	9,358.00
951.000	9,364.00	9,370.00	9,376.00	9,383.00	9,389.00
952.000	9,395.00	9,401.00	9,407.00	9,413.00	9,419.00
953.000	9,426.00	9,432.00	9,438.00	9,444.00	9,450.00
954.000	9,457.00	9,463.00	9,469.00	9,475.00	9,481.00
955.000	9,488.00	9,494.00	9,500.00	9,507.00	9,513.00
956.000	9,519.00	9,525.00	9,532.00	9,538.00	9,544.00
957.000	9,551.00	9,557.00	9,563.00	9,570.00	9,576.00
958.000	9,582.00	9,589.00	9,595.00	9,602.00	9,608.00
959.000	9,614.00	9,621.00	9,627.00	9,634.00	9,640.00
960.000	9,647.00	9,653.00	9,660.00	9,666.00	9,672.00
961.000	9,679.00	9,685.00	9,692.00	9,698.00	9,705.00
962.000	9,712.00	9,718.00	9,725.00	9,731.00	9,738.00
963.000	9,744.00	9,751.00	9,758.00	9,764.00	9,771.00
964.000	9,777.00	9,784.00	9,791.00	9,797.00	9,804.00
965.000	9,811.00	9,817.00	9,824.00	9,831.00	9,837.00
966.000	9,844.00	9,851.00	9,857.00	9,864.00	9,871.00
967.000	9,878.00	9,884.00	9,891.00	9,898.00	9,905.00
968.000	9,911.00	9,918.00	9,925.00	9,932.00	9,939.00
969.000	9,946.00	9,952.00	9,959.00	9,966.00	9,973.00
970.000	9,980.00	9,987.00	9,994.00	10,001.00	10,007.00
971.000	10,014.00	10,021.00	10,028.00	10,035.00	10,042.00
972.000	10,049.00	10,056.00	10,063.00	10,070.00	10,077.00
973.000	10,084.00	10,091.00	10,098.00	10,105.00	10,112.00
974.000	10,119.00	10,126.00	10,133.00	10,140.00	10,148.00
975.000	10,155.00	10,162.00	10,169.00	10,176.00	10,183.00
976.000	10,190.00	10,198.00	10,205.00	10,212.00	10,219.00
977.000	10,226.00	10,233.00	10,241.00	10,248.00	10,255.00
978.000	10,262.00	10,270.00	10,277.00	10,284.00	10,291.00
979.000	10,299.00	10,306.00	10,313.00	10,321.00	10,328.00
980.000	10,335.00	10,343.00	10,350.00	10,358.00	10,365.00
981.000	10,372.00	10,380.00	10,387.00	10,395.00	10,402.00
982.000	10,409.00	10,417.00	10,424.00	10,432.00	10,439.00
983.000	10,447.00	10,454.00	10,462.00	10,469.00	10,477.00

Orifice Calculations

Subsection: Time vs. Volume
Scenario: Base
Label: RDF-1

Time vs. Volume (ft³)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
984.000	10,484.00	10,492.00	10,500.00	10,507.00	10,515.00
985.000	10,522.00	10,530.00	10,538.00	10,545.00	10,553.00
986.000	10,561.00	10,568.00	10,576.00	10,584.00	10,591.00
987.000	10,599.00	10,607.00	10,614.00	10,622.00	10,630.00
988.000	10,638.00	10,646.00	10,653.00	10,661.00	10,669.00
989.000	10,677.00	10,685.00	10,692.00	10,700.00	10,708.00
990.000	10,716.00	10,724.00	10,732.00	10,740.00	10,748.00
991.000	10,755.00	10,763.00	10,771.00	10,779.00	10,787.00
992.000	10,795.00	10,803.00	10,811.00	10,819.00	10,827.00
993.000	10,835.00	10,843.00	10,851.00	10,859.00	10,867.00
994.000	10,875.00	10,883.00	10,890.00	10,898.00	10,906.00
995.000	10,914.00	10,922.00	10,930.00	10,938.00	10,945.00
996.000	10,953.00	10,961.00	10,969.00	10,976.00	10,984.00
997.000	10,991.00	10,999.00	11,006.00	11,014.00	11,021.00
998.000	11,028.00	11,036.00	11,043.00	11,050.00	11,057.00
999.000	11,064.00	11,071.00	11,078.00	11,085.00	11,092.00
1,000.000	11,099.00	11,105.00	11,112.00	11,119.00	11,126.00
1,001.000	11,132.00	11,139.00	11,145.00	11,152.00	11,158.00
1,002.000	11,165.00	11,171.00	11,177.00	11,183.00	11,190.00
1,003.000	11,196.00	11,202.00	11,208.00	11,214.00	11,220.00
1,004.000	11,226.00	11,232.00	11,238.00	11,244.00	11,250.00
1,005.000	11,256.00	11,262.00	11,267.00	11,273.00	11,279.00
1,006.000	11,285.00	11,290.00	11,296.00	11,301.00	11,307.00
1,007.000	11,312.00	11,318.00	11,323.00	11,329.00	11,334.00
1,008.000	11,339.00	11,345.00	11,350.00	11,355.00	11,361.00
1,009.000	11,366.00	11,371.00	11,376.00	11,381.00	11,386.00
1,010.000	11,391.00	11,396.00	11,401.00	11,406.00	11,411.00
1,011.000	11,416.00	11,421.00	11,426.00	11,431.00	11,436.00
1,012.000	11,441.00	11,446.00	11,450.00	11,455.00	11,460.00
1,013.000	11,465.00	11,469.00	11,474.00	11,479.00	11,483.00
1,014.000	11,488.00	11,492.00	11,497.00	11,501.00	11,506.00
1,015.000	11,511.00	11,515.00	11,519.00	11,524.00	11,528.00
1,016.000	11,533.00	11,537.00	11,541.00	11,546.00	11,550.00
1,017.000	11,554.00	11,559.00	11,563.00	11,567.00	11,572.00
1,018.000	11,576.00	11,580.00	11,584.00	11,588.00	11,593.00
1,019.000	11,597.00	11,601.00	11,605.00	11,609.00	11,613.00
1,020.000	11,617.00	11,621.00	11,625.00	11,629.00	11,633.00
1,021.000	11,637.00	11,641.00	11,645.00	11,649.00	11,653.00
1,022.000	11,657.00	11,661.00	11,665.00	11,669.00	11,673.00
1,023.000	11,677.00	11,681.00	11,685.00	11,688.00	11,692.00
1,024.000	11,696.00	11,700.00	11,704.00	11,707.00	11,711.00

Orifice Calculations

Subsection: Time vs. Volume
Scenario: Base
Label: RDF-1

Time vs. Volume (ft³)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
1,025.000	11,715.00	11,719.00	11,723.00	11,726.00	11,730.00
1,026.000	11,734.00	11,737.00	11,741.00	11,745.00	11,749.00
1,027.000	11,752.00	11,756.00	11,760.00	11,764.00	11,767.00
1,028.000	11,771.00	11,775.00	11,778.00	11,782.00	11,786.00
1,029.000	11,790.00	11,793.00	11,797.00	11,801.00	11,805.00
1,030.000	11,808.00	11,812.00	11,816.00	11,820.00	11,824.00
1,031.000	11,827.00	11,831.00	11,835.00	11,839.00	11,842.00
1,032.000	11,846.00	11,850.00	11,854.00	11,858.00	11,861.00
1,033.000	11,865.00	11,869.00	11,873.00	11,877.00	11,880.00
1,034.000	11,884.00	11,888.00	11,892.00	11,896.00	11,900.00
1,035.000	11,903.00	11,907.00	11,911.00	11,915.00	11,919.00
1,036.000	11,923.00	11,927.00	11,930.00	11,934.00	11,938.00
1,037.000	11,942.00	11,946.00	11,950.00	11,954.00	11,958.00
1,038.000	11,962.00	11,965.00	11,969.00	11,973.00	11,977.00
1,039.000	11,981.00	11,985.00	11,989.00	11,993.00	11,997.00
1,040.000	12,001.00	12,005.00	12,009.00	12,013.00	12,017.00
1,041.000	12,021.00	12,025.00	12,029.00	12,033.00	12,037.00
1,042.000	12,041.00	12,045.00	12,049.00	12,053.00	12,057.00
1,043.000	12,061.00	12,065.00	12,069.00	12,073.00	12,077.00
1,044.000	12,081.00	12,085.00	12,089.00	12,093.00	12,097.00
1,045.000	12,101.00	12,106.00	12,110.00	12,114.00	12,118.00
1,046.000	12,122.00	12,126.00	12,130.00	12,134.00	12,139.00
1,047.000	12,143.00	12,147.00	12,151.00	12,155.00	12,159.00
1,048.000	12,164.00	12,168.00	12,172.00	12,176.00	12,180.00
1,049.000	12,185.00	12,189.00	12,193.00	12,197.00	12,202.00
1,050.000	12,206.00	12,210.00	12,214.00	12,219.00	12,223.00
1,051.000	12,227.00	12,231.00	12,236.00	12,240.00	12,244.00
1,052.000	12,249.00	12,253.00	12,257.00	12,262.00	12,266.00
1,053.000	12,271.00	12,275.00	12,279.00	12,284.00	12,288.00
1,054.000	12,292.00	12,297.00	12,301.00	12,306.00	12,310.00
1,055.000	12,315.00	12,319.00	12,324.00	12,328.00	12,333.00
1,056.000	12,337.00	12,342.00	12,346.00	12,351.00	12,355.00
1,057.000	12,360.00	12,364.00	12,369.00	12,373.00	12,378.00
1,058.000	12,383.00	12,387.00	12,392.00	12,396.00	12,401.00
1,059.000	12,406.00	12,410.00	12,415.00	12,420.00	12,424.00
1,060.000	12,429.00	12,434.00	12,438.00	12,443.00	12,448.00
1,061.000	12,452.00	12,457.00	12,462.00	12,467.00	12,471.00
1,062.000	12,476.00	12,481.00	12,486.00	12,491.00	12,495.00
1,063.000	12,500.00	12,505.00	12,510.00	12,515.00	12,520.00
1,064.000	12,525.00	12,530.00	12,535.00	12,539.00	12,544.00
1,065.000	12,549.00	12,554.00	12,560.00	12,565.00	12,570.00

Orifice Calculations

Subsection: Time vs. Volume
Scenario: Base
Label: RDF-1

Time vs. Volume (ft³)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
1,066.000	12,575.00	12,580.00	12,585.00	12,590.00	12,596.00
1,067.000	12,601.00	12,606.00	12,611.00	12,617.00	12,622.00
1,068.000	12,627.00	12,633.00	12,638.00	12,644.00	12,649.00
1,069.000	12,654.00	12,660.00	12,665.00	12,671.00	12,677.00
1,070.000	12,682.00	12,688.00	12,693.00	12,699.00	12,705.00
1,071.000	12,710.00	12,716.00	12,722.00	12,728.00	12,734.00
1,072.000	12,739.00	12,745.00	12,751.00	12,757.00	12,763.00
1,073.000	12,769.00	12,775.00	12,781.00	12,787.00	12,793.00
1,074.000	12,799.00	12,805.00	12,811.00	12,818.00	12,824.00
1,075.000	12,830.00	12,836.00	12,842.00	12,849.00	12,855.00
1,076.000	12,861.00	12,868.00	12,874.00	12,881.00	12,887.00
1,077.000	12,894.00	12,900.00	12,907.00	12,913.00	12,920.00
1,078.000	12,926.00	12,933.00	12,940.00	12,946.00	12,953.00
1,079.000	12,960.00	12,967.00	12,973.00	12,980.00	12,987.00
1,080.000	12,994.00	13,001.00	13,008.00	13,015.00	13,022.00
1,081.000	13,029.00	13,036.00	13,043.00	13,050.00	13,057.00
1,082.000	13,064.00	13,071.00	13,079.00	13,086.00	13,093.00
1,083.000	13,101.00	13,108.00	13,115.00	13,123.00	13,130.00
1,084.000	13,138.00	13,145.00	13,153.00	13,160.00	13,168.00
1,085.000	13,175.00	13,183.00	13,191.00	13,198.00	13,206.00
1,086.000	13,214.00	13,222.00	13,230.00	13,237.00	13,245.00
1,087.000	13,253.00	13,261.00	13,269.00	13,277.00	13,285.00
1,088.000	13,293.00	13,302.00	13,310.00	13,318.00	13,326.00
1,089.000	13,334.00	13,343.00	13,351.00	13,359.00	13,368.00
1,090.000	13,376.00	13,385.00	13,393.00	13,402.00	13,410.00
1,091.000	13,419.00	13,428.00	13,437.00	13,445.00	13,454.00
1,092.000	13,463.00	13,472.00	13,481.00	13,490.00	13,499.00
1,093.000	13,508.00	13,517.00	13,526.00	13,535.00	13,545.00
1,094.000	13,554.00	13,563.00	13,573.00	13,582.00	13,591.00
1,095.000	13,601.00	13,610.00	13,620.00	13,630.00	13,639.00
1,096.000	13,649.00	13,659.00	13,668.00	13,678.00	13,688.00
1,097.000	13,698.00	13,708.00	13,718.00	13,728.00	13,738.00
1,098.000	13,748.00	13,759.00	13,769.00	13,779.00	13,790.00
1,099.000	13,800.00	13,810.00	13,821.00	13,831.00	13,842.00
1,100.000	13,853.00	13,863.00	13,874.00	13,885.00	13,896.00
1,101.000	13,907.00	13,918.00	13,929.00	13,940.00	13,951.00
1,102.000	13,962.00	13,973.00	13,984.00	13,996.00	14,007.00
1,103.000	14,018.00	14,030.00	14,041.00	14,053.00	14,065.00
1,104.000	14,076.00	14,088.00	14,100.00	14,112.00	14,124.00
1,105.000	14,136.00	14,148.00	14,160.00	14,172.00	14,184.00
1,106.000	14,196.00	14,209.00	14,221.00	14,234.00	14,246.00

Orifice Calculations

Subsection: Time vs. Volume
Scenario: Base
Label: RDF-1

Time vs. Volume (ft³)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
1,107.000	14,259.00	14,271.00	14,284.00	14,297.00	14,310.00
1,108.000	14,323.00	14,336.00	14,349.00	14,362.00	14,375.00
1,109.000	14,389.00	14,402.00	14,415.00	14,429.00	14,442.00
1,110.000	14,456.00	14,470.00	14,484.00	14,497.00	14,511.00
1,111.000	14,525.00	14,539.00	14,554.00	14,568.00	14,582.00
1,112.000	14,596.00	14,611.00	14,625.00	14,640.00	14,655.00
1,113.000	14,670.00	14,684.00	14,699.00	14,714.00	14,729.00
1,114.000	14,745.00	14,760.00	14,775.00	14,791.00	14,806.00
1,115.000	14,822.00	14,837.00	14,853.00	14,869.00	14,885.00
1,116.000	14,901.00	14,917.00	14,933.00	14,950.00	14,966.00
1,117.000	14,983.00	14,999.00	15,016.00	15,033.00	15,050.00
1,118.000	15,067.00	15,084.00	15,101.00	15,118.00	15,136.00
1,119.000	15,153.00	15,171.00	15,189.00	15,207.00	15,225.00
1,120.000	15,243.00	15,261.00	15,279.00	15,297.00	15,316.00
1,121.000	15,335.00	15,353.00	15,372.00	15,391.00	15,410.00
1,122.000	15,430.00	15,449.00	15,468.00	15,488.00	15,508.00
1,123.000	15,528.00	15,548.00	15,568.00	15,588.00	15,608.00
1,124.000	15,629.00	15,649.00	15,670.00	15,691.00	15,712.00
1,125.000	15,733.00	15,755.00	15,776.00	15,798.00	15,819.00
1,126.000	15,841.00	15,863.00	15,886.00	15,908.00	15,930.00
1,127.000	15,953.00	15,976.00	15,999.00	16,022.00	16,046.00
1,128.000	16,069.00	16,093.00	16,117.00	16,141.00	16,165.00
1,129.000	16,189.00	16,214.00	16,239.00	16,264.00	16,289.00
1,130.000	16,314.00	16,339.00	16,365.00	16,391.00	16,417.00
1,131.000	16,443.00	16,470.00	16,497.00	16,523.00	16,551.00
1,132.000	16,578.00	16,605.00	16,633.00	16,661.00	16,690.00
1,133.000	16,718.00	16,747.00	16,776.00	16,805.00	16,834.00
1,134.000	16,864.00	16,894.00	16,924.00	16,955.00	16,985.00
1,135.000	17,016.00	17,047.00	17,079.00	17,111.00	17,143.00
1,136.000	17,175.00	17,208.00	17,241.00	17,274.00	17,308.00
1,137.000	17,342.00	17,376.00	17,411.00	17,446.00	17,481.00
1,138.000	17,516.00	17,552.00	17,589.00	17,626.00	17,663.00
1,139.000	17,700.00	17,738.00	17,776.00	17,815.00	17,854.00
1,140.000	17,894.00	17,934.00	17,974.00	18,015.00	18,056.00
1,141.000	18,098.00	18,140.00	18,183.00	18,226.00	18,270.00
1,142.000	18,314.00	18,359.00	18,405.00	18,451.00	18,497.00
1,143.000	18,544.00	18,592.00	18,640.00	18,689.00	18,739.00
1,144.000	18,789.00	18,840.00	18,892.00	18,944.00	18,996.00
1,145.000	19,050.00	19,103.00	19,158.00	19,213.00	19,269.00
1,146.000	19,325.00	19,383.00	19,441.00	19,500.00	19,559.00
1,147.000	19,620.00	19,681.00	19,744.00	19,807.00	19,872.00

Orifice Calculations

Subsection: Time vs. Volume
Scenario: Base
Label: RDF-1

Time vs. Volume (ft³)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
1,148.000	19,938.00	20,005.00	20,074.00	20,144.00	20,215.00
1,149.000	20,289.00	20,363.00	20,440.00	20,518.00	20,599.00
1,150.000	20,682.00	20,767.00	20,855.00	20,945.00	21,039.00
1,151.000	21,136.00	21,238.00	21,344.00	21,456.00	21,576.00
1,152.000	21,711.00	21,864.00	22,023.00	22,185.00	22,349.00
1,153.000	22,514.00	22,680.00	22,846.00	23,013.00	23,179.00
1,154.000	23,346.00	23,512.00	23,678.00	23,843.00	24,007.00
1,155.000	24,171.00	24,335.00	24,497.00	24,658.00	24,819.00
1,156.000	24,978.00	25,136.00	25,293.00	25,449.00	25,604.00
1,157.000	25,757.00	25,908.00	26,059.00	26,207.00	26,354.00
1,158.000	26,500.00	26,643.00	26,785.00	26,925.00	27,063.00
1,159.000	27,200.00	27,334.00	27,466.00	27,596.00	27,723.00
1,160.000	27,848.00	27,971.00	28,091.00	28,209.00	28,324.00
1,161.000	28,436.00	28,545.00	28,652.00	28,755.00	28,854.00
1,162.000	28,950.00	29,043.00	29,131.00	29,215.00	29,295.00
1,163.000	29,370.00	29,439.00	29,502.00	29,558.00	29,605.00
1,164.000	29,635.00	29,646.00	29,650.00	29,649.00	29,645.00
1,165.000	29,638.00	29,630.00	29,619.00	29,607.00	29,593.00
1,166.000	29,577.00	29,561.00	29,543.00	29,524.00	29,504.00
1,167.000	29,483.00	29,461.00	29,438.00	29,414.00	29,390.00
1,168.000	29,365.00	29,339.00	29,312.00	29,285.00	29,258.00
1,169.000	29,229.00	29,200.00	29,171.00	29,141.00	29,111.00
1,170.000	29,080.00	29,048.00	29,017.00	28,984.00	28,952.00
1,171.000	28,919.00	28,886.00	28,852.00	28,818.00	28,784.00
1,172.000	28,749.00	28,714.00	28,679.00	28,643.00	28,607.00
1,173.000	28,571.00	28,535.00	28,498.00	28,462.00	28,425.00
1,174.000	28,387.00	28,350.00	28,312.00	28,274.00	28,236.00
1,175.000	28,198.00	28,159.00	28,121.00	28,082.00	28,043.00
1,176.000	28,004.00	27,964.00	27,925.00	27,885.00	27,846.00
1,177.000	27,806.00	27,766.00	27,726.00	27,686.00	27,645.00
1,178.000	27,605.00	27,564.00	27,523.00	27,483.00	27,442.00
1,179.000	27,401.00	27,360.00	27,319.00	27,277.00	27,236.00
1,180.000	27,195.00	27,153.00	27,112.00	27,070.00	27,028.00
1,181.000	26,987.00	26,945.00	26,903.00	26,861.00	26,819.00
1,182.000	26,777.00	26,735.00	26,693.00	26,651.00	26,608.00
1,183.000	26,566.00	26,524.00	26,481.00	26,439.00	26,397.00
1,184.000	26,354.00	26,312.00	26,269.00	26,227.00	26,184.00
1,185.000	26,141.00	26,099.00	26,056.00	26,014.00	25,971.00
1,186.000	25,928.00	25,886.00	25,843.00	25,800.00	25,758.00
1,187.000	25,715.00	25,672.00	25,629.00	25,587.00	25,544.00
1,188.000	25,501.00	25,459.00	25,416.00	25,373.00	25,330.00

Orifice Calculations

Subsection: Time vs. Volume
Scenario: Base
Label: RDF-1

Time vs. Volume (ft³)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
1,189.000	25,288.00	25,245.00	25,202.00	25,160.00	25,117.00
1,190.000	25,074.00	25,032.00	24,989.00	24,946.00	24,904.00
1,191.000	24,861.00	24,819.00	24,776.00	24,734.00	24,691.00
1,192.000	24,649.00	24,606.00	24,564.00	24,521.00	24,479.00
1,193.000	24,437.00	24,394.00	24,352.00	24,310.00	24,267.00
1,194.000	24,225.00	24,183.00	24,141.00	24,099.00	24,057.00
1,195.000	24,015.00	23,973.00	23,931.00	23,889.00	23,847.00
1,196.000	23,805.00	23,763.00	23,721.00	23,680.00	23,638.00
1,197.000	23,596.00	23,555.00	23,513.00	23,471.00	23,430.00
1,198.000	23,388.00	23,347.00	23,306.00	23,264.00	23,223.00
1,199.000	23,182.00	23,141.00	23,100.00	23,059.00	23,018.00
1,200.000	22,977.00	22,936.00	22,895.00	22,854.00	22,813.00
1,201.000	22,773.00	22,732.00	22,691.00	22,651.00	22,610.00
1,202.000	22,570.00	22,530.00	22,489.00	22,449.00	22,409.00
1,203.000	22,369.00	22,329.00	22,289.00	22,249.00	22,209.00
1,204.000	22,169.00	22,129.00	22,090.00	22,050.00	22,011.00
1,205.000	21,971.00	21,932.00	21,892.00	21,853.00	21,814.00
1,206.000	21,775.00	21,735.00	21,696.00	21,657.00	21,619.00
1,207.000	21,580.00	21,541.00	21,502.00	21,464.00	21,425.00
1,208.000	21,387.00	21,348.00	21,310.00	21,272.00	21,234.00
1,209.000	21,196.00	21,158.00	21,120.00	21,082.00	21,044.00
1,210.000	21,006.00	20,969.00	20,931.00	20,894.00	20,856.00
1,211.000	20,819.00	20,782.00	20,745.00	20,708.00	20,671.00
1,212.000	20,634.00	20,597.00	20,560.00	20,524.00	20,487.00
1,213.000	20,451.00	20,414.00	20,378.00	20,342.00	20,306.00
1,214.000	20,270.00	20,234.00	20,198.00	20,162.00	20,127.00
1,215.000	20,091.00	20,056.00	20,020.00	19,985.00	19,950.00
1,216.000	19,915.00	19,880.00	19,845.00	19,810.00	19,776.00
1,217.000	19,741.00	19,707.00	19,672.00	19,638.00	19,604.00
1,218.000	19,570.00	19,536.00	19,503.00	19,469.00	19,436.00
1,219.000	19,403.00	19,370.00	19,337.00	19,305.00	19,272.00
1,220.000	19,240.00	19,207.00	19,175.00	19,143.00	19,112.00
1,221.000	19,080.00	19,049.00	19,017.00	18,986.00	18,955.00
1,222.000	18,924.00	18,894.00	18,863.00	18,832.00	18,802.00
1,223.000	18,772.00	18,741.00	18,711.00	18,681.00	18,651.00
1,224.000	18,621.00	18,591.00	18,561.00	18,531.00	18,501.00
1,225.000	18,471.00	18,441.00	18,411.00	18,381.00	18,351.00
1,226.000	18,322.00	18,292.00	18,262.00	18,233.00	18,203.00
1,227.000	18,174.00	18,144.00	18,115.00	18,085.00	18,056.00
1,228.000	18,026.00	17,997.00	17,968.00	17,938.00	17,909.00
1,229.000	17,880.00	17,851.00	17,822.00	17,793.00	17,764.00

Orifice Calculations

Subsection: Time vs. Volume
Scenario: Base
Label: RDF-1

Time vs. Volume (ft³)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
1,230.000	17,735.00	17,706.00	17,677.00	17,648.00	17,619.00
1,231.000	17,590.00	17,562.00	17,533.00	17,504.00	17,476.00
1,232.000	17,447.00	17,418.00	17,390.00	17,361.00	17,333.00
1,233.000	17,305.00	17,276.00	17,248.00	17,220.00	17,191.00
1,234.000	17,163.00	17,135.00	17,107.00	17,079.00	17,051.00
1,235.000	17,023.00	16,995.00	16,967.00	16,939.00	16,912.00
1,236.000	16,884.00	16,856.00	16,828.00	16,801.00	16,773.00
1,237.000	16,746.00	16,718.00	16,691.00	16,663.00	16,636.00
1,238.000	16,609.00	16,581.00	16,554.00	16,527.00	16,500.00
1,239.000	16,473.00	16,446.00	16,418.00	16,392.00	16,365.00
1,240.000	16,338.00	16,311.00	16,284.00	16,257.00	16,231.00
1,241.000	16,204.00	16,177.00	16,151.00	16,124.00	16,098.00
1,242.000	16,072.00	16,045.00	16,019.00	15,993.00	15,966.00
1,243.000	15,940.00	15,914.00	15,888.00	15,862.00	15,836.00
1,244.000	15,810.00	15,784.00	15,758.00	15,732.00	15,707.00
1,245.000	15,681.00	15,655.00	15,630.00	15,604.00	15,579.00
1,246.000	15,553.00	15,528.00	15,502.00	15,477.00	15,452.00
1,247.000	15,427.00	15,401.00	15,376.00	15,351.00	15,326.00
1,248.000	15,301.00	15,276.00	15,252.00	15,227.00	15,202.00
1,249.000	15,177.00	15,153.00	15,128.00	15,103.00	15,079.00
1,250.000	15,054.00	15,030.00	15,006.00	14,981.00	14,957.00
1,251.000	14,933.00	14,908.00	14,885.00	14,860.00	14,836.00
1,252.000	14,813.00	14,789.00	14,765.00	14,741.00	14,717.00
1,253.000	14,694.00	14,670.00	14,646.00	14,623.00	14,599.00
1,254.000	14,576.00	14,553.00	14,529.00	14,506.00	14,483.00
1,255.000	14,460.00	14,437.00	14,414.00	14,391.00	14,368.00
1,256.000	14,345.00	14,322.00	14,299.00	14,276.00	14,254.00
1,257.000	14,231.00	14,208.00	14,186.00	14,163.00	14,141.00
1,258.000	14,119.00	14,096.00	14,074.00	14,052.00	14,030.00
1,259.000	14,008.00	13,986.00	13,964.00	13,942.00	13,920.00
1,260.000	13,898.00	13,876.00	13,855.00	13,833.00	13,812.00
1,261.000	13,790.00	13,769.00	13,747.00	13,726.00	13,705.00
1,262.000	13,683.00	13,662.00	13,641.00	13,620.00	13,599.00
1,263.000	13,578.00	13,557.00	13,536.00	13,516.00	13,495.00
1,264.000	13,474.00	13,454.00	13,433.00	13,413.00	13,392.00
1,265.000	13,372.00	13,351.00	13,331.00	13,311.00	13,291.00
1,266.000	13,271.00	13,251.00	13,231.00	13,211.00	13,191.00
1,267.000	13,171.00	13,151.00	13,132.00	13,112.00	13,093.00
1,268.000	13,073.00	13,054.00	13,034.00	13,015.00	12,996.00
1,269.000	12,977.00	12,958.00	12,939.00	12,920.00	12,901.00
1,270.000	12,882.00	12,863.00	12,844.00	12,826.00	12,807.00

Orifice Calculations

Subsection: Time vs. Volume
Scenario: Base
Label: RDF-1

Time vs. Volume (ft³)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
1,271.000	12,788.00	12,770.00	12,752.00	12,733.00	12,715.00
1,272.000	12,697.00	12,678.00	12,660.00	12,642.00	12,624.00
1,273.000	12,606.00	12,588.00	12,570.00	12,553.00	12,535.00
1,274.000	12,517.00	12,500.00	12,482.00	12,465.00	12,447.00
1,275.000	12,430.00	12,413.00	12,396.00	12,379.00	12,362.00
1,276.000	12,346.00	12,329.00	12,312.00	12,296.00	12,280.00
1,277.000	12,263.00	12,247.00	12,231.00	12,215.00	12,199.00
1,278.000	12,183.00	12,167.00	12,152.00	12,136.00	12,121.00
1,279.000	12,105.00	12,090.00	12,075.00	12,060.00	12,045.00
1,280.000	12,030.00	12,015.00	12,000.00	11,985.00	11,970.00
1,281.000	11,956.00	11,941.00	11,927.00	11,913.00	11,898.00
1,282.000	11,884.00	11,870.00	11,856.00	11,842.00	11,828.00
1,283.000	11,814.00	11,801.00	11,787.00	11,773.00	11,760.00
1,284.000	11,746.00	11,733.00	11,720.00	11,707.00	11,693.00
1,285.000	11,681.00	11,668.00	11,655.00	11,642.00	11,630.00
1,286.000	11,617.00	11,605.00	11,593.00	11,581.00	11,569.00
1,287.000	11,557.00	11,545.00	11,533.00	11,522.00	11,510.00
1,288.000	11,499.00	11,488.00	11,476.00	11,465.00	11,454.00
1,289.000	11,443.00	11,432.00	11,422.00	11,411.00	11,400.00
1,290.000	11,390.00	11,379.00	11,369.00	11,359.00	11,349.00
1,291.000	11,338.00	11,328.00	11,318.00	11,309.00	11,299.00
1,292.000	11,289.00	11,280.00	11,270.00	11,261.00	11,251.00
1,293.000	11,242.00	11,233.00	11,224.00	11,214.00	11,205.00
1,294.000	11,197.00	11,188.00	11,179.00	11,170.00	11,161.00
1,295.000	11,153.00	11,144.00	11,136.00	11,128.00	11,119.00
1,296.000	11,111.00	11,103.00	11,095.00	11,087.00	11,079.00
1,297.000	11,071.00	11,063.00	11,055.00	11,047.00	11,040.00
1,298.000	11,032.00	11,024.00	11,017.00	11,010.00	11,002.00
1,299.000	10,995.00	10,988.00	10,980.00	10,973.00	10,966.00
1,300.000	10,959.00	10,952.00	10,945.00	10,938.00	10,931.00
1,301.000	10,924.00	10,917.00	10,910.00	10,904.00	10,897.00
1,302.000	10,890.00	10,883.00	10,876.00	10,869.00	10,863.00
1,303.000	10,856.00	10,849.00	10,842.00	10,836.00	10,829.00
1,304.000	10,822.00	10,815.00	10,809.00	10,802.00	10,795.00
1,305.000	10,789.00	10,782.00	10,775.00	10,769.00	10,762.00
1,306.000	10,755.00	10,749.00	10,742.00	10,735.00	10,728.00
1,307.000	10,722.00	10,715.00	10,708.00	10,701.00	10,695.00
1,308.000	10,688.00	10,681.00	10,674.00	10,668.00	10,661.00
1,309.000	10,654.00	10,647.00	10,641.00	10,634.00	10,627.00
1,310.000	10,620.00	10,613.00	10,607.00	10,600.00	10,593.00
1,311.000	10,586.00	10,579.00	10,572.00	10,566.00	10,559.00

Orifice Calculations

Subsection: Time vs. Volume
Scenario: Base
Label: RDF-1

Time vs. Volume (ft³)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
1,312.000	10,552.00	10,545.00	10,538.00	10,531.00	10,524.00
1,313.000	10,518.00	10,511.00	10,504.00	10,497.00	10,490.00
1,314.000	10,483.00	10,476.00	10,469.00	10,462.00	10,456.00
1,315.000	10,449.00	10,442.00	10,435.00	10,428.00	10,421.00
1,316.000	10,414.00	10,407.00	10,400.00	10,393.00	10,386.00
1,317.000	10,379.00	10,372.00	10,365.00	10,358.00	10,351.00
1,318.000	10,344.00	10,337.00	10,330.00	10,323.00	10,316.00
1,319.000	10,309.00	10,302.00	10,295.00	10,288.00	10,281.00
1,320.000	10,274.00	10,267.00	10,260.00	10,253.00	10,246.00
1,321.000	10,239.00	10,232.00	10,225.00	10,218.00	10,211.00
1,322.000	10,204.00	10,197.00	10,190.00	10,183.00	10,176.00
1,323.000	10,169.00	10,162.00	10,155.00	10,148.00	10,141.00
1,324.000	10,134.00	10,126.00	10,119.00	10,112.00	10,105.00
1,325.000	10,098.00	10,091.00	10,084.00	10,077.00	10,070.00
1,326.000	10,063.00	10,055.00	10,048.00	10,041.00	10,034.00
1,327.000	10,027.00	10,020.00	10,013.00	10,006.00	9,999.00
1,328.000	9,991.00	9,984.00	9,977.00	9,970.00	9,963.00
1,329.000	9,956.00	9,949.00	9,941.00	9,934.00	9,927.00
1,330.000	9,920.00	9,913.00	9,906.00	9,898.00	9,891.00
1,331.000	9,884.00	9,877.00	9,870.00	9,863.00	9,855.00
1,332.000	9,848.00	9,841.00	9,834.00	9,827.00	9,819.00
1,333.000	9,812.00	9,805.00	9,798.00	9,791.00	9,783.00
1,334.000	9,776.00	9,769.00	9,762.00	9,755.00	9,747.00
1,335.000	9,740.00	9,733.00	9,726.00	9,719.00	9,711.00
1,336.000	9,704.00	9,697.00	9,690.00	9,682.00	9,675.00
1,337.000	9,668.00	9,661.00	9,654.00	9,646.00	9,639.00
1,338.000	9,632.00	9,625.00	9,617.00	9,610.00	9,603.00
1,339.000	9,596.00	9,588.00	9,581.00	9,574.00	9,567.00
1,340.000	9,559.00	9,552.00	9,545.00	9,538.00	9,530.00
1,341.000	9,523.00	9,516.00	9,509.00	9,501.00	9,494.00
1,342.000	9,487.00	9,479.00	9,472.00	9,465.00	9,458.00
1,343.000	9,450.00	9,443.00	9,436.00	9,429.00	9,421.00
1,344.000	9,414.00	9,407.00	9,399.00	9,392.00	9,385.00
1,345.000	9,378.00	9,370.00	9,363.00	9,356.00	9,348.00
1,346.000	9,341.00	9,334.00	9,327.00	9,319.00	9,312.00
1,347.000	9,305.00	9,297.00	9,290.00	9,283.00	9,275.00
1,348.000	9,268.00	9,261.00	9,254.00	9,246.00	9,239.00
1,349.000	9,232.00	9,224.00	9,217.00	9,210.00	9,202.00
1,350.000	9,195.00	9,188.00	9,181.00	9,173.00	9,166.00
1,351.000	9,159.00	9,151.00	9,144.00	9,137.00	9,129.00
1,352.000	9,122.00	9,115.00	9,107.00	9,100.00	9,093.00

Orifice Calculations

Subsection: Time vs. Volume
Scenario: Base
Label: RDF-1

Time vs. Volume (ft³)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
1,353.000	9,085.00	9,078.00	9,071.00	9,064.00	9,056.00
1,354.000	9,049.00	9,042.00	9,034.00	9,027.00	9,020.00
1,355.000	9,012.00	9,005.00	8,998.00	8,990.00	8,983.00
1,356.000	8,976.00	8,968.00	8,961.00	8,954.00	8,947.00
1,357.000	8,939.00	8,932.00	8,925.00	8,917.00	8,910.00
1,358.000	8,903.00	8,895.00	8,888.00	8,881.00	8,873.00
1,359.000	8,866.00	8,859.00	8,851.00	8,844.00	8,837.00
1,360.000	8,829.00	8,822.00	8,815.00	8,807.00	8,800.00
1,361.000	8,793.00	8,786.00	8,778.00	8,771.00	8,764.00
1,362.000	8,756.00	8,749.00	8,742.00	8,734.00	8,727.00
1,363.000	8,720.00	8,712.00	8,705.00	8,698.00	8,690.00
1,364.000	8,683.00	8,676.00	8,668.00	8,661.00	8,654.00
1,365.000	8,647.00	8,639.00	8,632.00	8,625.00	8,617.00
1,366.000	8,610.00	8,603.00	8,595.00	8,588.00	8,581.00
1,367.000	8,573.00	8,566.00	8,559.00	8,552.00	8,544.00
1,368.000	8,537.00	8,530.00	8,522.00	8,515.00	8,508.00
1,369.000	8,500.00	8,493.00	8,486.00	8,479.00	8,471.00
1,370.000	8,464.00	8,457.00	8,449.00	8,442.00	8,435.00
1,371.000	8,428.00	8,420.00	8,413.00	8,406.00	8,398.00
1,372.000	8,391.00	8,384.00	8,377.00	8,369.00	8,362.00
1,373.000	8,355.00	8,347.00	8,340.00	8,333.00	8,326.00
1,374.000	8,318.00	8,311.00	8,304.00	8,296.00	8,289.00
1,375.000	8,282.00	8,275.00	8,267.00	8,260.00	8,253.00
1,376.000	8,246.00	8,238.00	8,231.00	8,224.00	8,217.00
1,377.000	8,209.00	8,202.00	8,195.00	8,188.00	8,180.00
1,378.000	8,173.00	8,166.00	8,159.00	8,151.00	8,144.00
1,379.000	8,137.00	8,130.00	8,122.00	8,115.00	8,108.00
1,380.000	8,101.00	8,093.00	8,086.00	8,079.00	8,072.00
1,381.000	8,064.00	8,057.00	8,050.00	8,043.00	8,036.00
1,382.000	8,028.00	8,021.00	8,014.00	8,007.00	7,999.00
1,383.000	7,992.00	7,985.00	7,978.00	7,971.00	7,963.00
1,384.000	7,956.00	7,949.00	7,942.00	7,934.00	7,927.00
1,385.000	7,920.00	7,913.00	7,906.00	7,898.00	7,891.00
1,386.000	7,884.00	7,877.00	7,870.00	7,862.00	7,855.00
1,387.000	7,848.00	7,841.00	7,834.00	7,827.00	7,819.00
1,388.000	7,812.00	7,805.00	7,798.00	7,791.00	7,784.00
1,389.000	7,776.00	7,769.00	7,762.00	7,755.00	7,748.00
1,390.000	7,741.00	7,733.00	7,726.00	7,719.00	7,712.00
1,391.000	7,705.00	7,698.00	7,691.00	7,683.00	7,676.00
1,392.000	7,669.00	7,662.00	7,655.00	7,648.00	7,641.00
1,393.000	7,633.00	7,626.00	7,619.00	7,612.00	7,605.00

Orifice Calculations

Subsection: Time vs. Volume
Scenario: Base
Label: RDF-1

Time vs. Volume (ft³)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
1,394.000	7,598.00	7,591.00	7,584.00	7,577.00	7,569.00
1,395.000	7,562.00	7,555.00	7,548.00	7,541.00	7,534.00
1,396.000	7,527.00	7,520.00	7,513.00	7,506.00	7,498.00
1,397.000	7,491.00	7,484.00	7,477.00	7,470.00	7,463.00
1,398.000	7,456.00	7,449.00	7,442.00	7,435.00	7,428.00
1,399.000	7,421.00	7,414.00	7,407.00	7,399.00	7,392.00
1,400.000	7,385.00	7,378.00	7,371.00	7,364.00	7,357.00
1,401.000	7,350.00	7,343.00	7,336.00	7,329.00	7,322.00
1,402.000	7,315.00	7,308.00	7,301.00	7,294.00	7,287.00
1,403.000	7,280.00	7,273.00	7,266.00	7,259.00	7,252.00
1,404.000	7,245.00	7,238.00	7,231.00	7,224.00	7,217.00
1,405.000	7,210.00	7,203.00	7,196.00	7,189.00	7,182.00
1,406.000	7,175.00	7,168.00	7,161.00	7,154.00	7,147.00
1,407.000	7,140.00	7,133.00	7,126.00	7,119.00	7,112.00
1,408.000	7,105.00	7,098.00	7,091.00	7,084.00	7,078.00
1,409.000	7,071.00	7,064.00	7,057.00	7,050.00	7,043.00
1,410.000	7,036.00	7,029.00	7,022.00	7,015.00	7,008.00
1,411.000	7,001.00	6,994.00	6,988.00	6,981.00	6,974.00
1,412.000	6,967.00	6,960.00	6,953.00	6,946.00	6,939.00
1,413.000	6,932.00	6,926.00	6,919.00	6,912.00	6,905.00
1,414.000	6,898.00	6,891.00	6,884.00	6,878.00	6,871.00
1,415.000	6,864.00	6,857.00	6,850.00	6,843.00	6,836.00
1,416.000	6,830.00	6,823.00	6,816.00	6,809.00	6,802.00
1,417.000	6,796.00	6,789.00	6,782.00	6,775.00	6,768.00
1,418.000	6,761.00	6,755.00	6,748.00	6,741.00	6,734.00
1,419.000	6,728.00	6,721.00	6,714.00	6,707.00	6,700.00
1,420.000	6,694.00	6,687.00	6,680.00	6,673.00	6,667.00
1,421.000	6,660.00	6,653.00	6,646.00	6,640.00	6,633.00
1,422.000	6,626.00	6,619.00	6,613.00	6,606.00	6,599.00
1,423.000	6,592.00	6,586.00	6,579.00	6,572.00	6,565.00
1,424.000	6,559.00	6,552.00	6,545.00	6,539.00	6,532.00
1,425.000	6,525.00	6,519.00	6,512.00	6,505.00	6,498.00
1,426.000	6,492.00	6,485.00	6,478.00	6,472.00	6,465.00
1,427.000	6,458.00	6,452.00	6,445.00	6,438.00	6,432.00
1,428.000	6,425.00	6,419.00	6,412.00	6,405.00	6,399.00
1,429.000	6,392.00	6,385.00	6,379.00	6,372.00	6,366.00
1,430.000	6,359.00	6,352.00	6,346.00	6,339.00	6,333.00
1,431.000	6,326.00	6,319.00	6,313.00	6,306.00	6,300.00
1,432.000	6,293.00	6,286.00	6,280.00	6,273.00	6,267.00
1,433.000	6,260.00	6,254.00	6,247.00	6,241.00	6,234.00
1,434.000	6,227.00	6,221.00	6,214.00	6,208.00	6,201.00

Orifice Calculations

Subsection: Time vs. Volume
Scenario: Base
Label: RDF-1

Time vs. Volume (ft³)

Output Time increment = 0.200 min
Time on left represents time for first value in each row.

Time (min)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)	Volume (ft³)
1,435.000	6,195.00	6,188.00	6,182.00	6,175.00	6,169.00
1,436.000	6,162.00	6,156.00	6,149.00	6,143.00	6,136.00
1,437.000	6,130.00	6,123.00	6,117.00	6,110.00	6,104.00
1,438.000	6,098.00	6,091.00	6,085.00	6,078.00	6,072.00
1,439.000	6,065.00	6,059.00	6,052.00	6,046.00	6,039.00
1,440.000	6,033.00	6,027.00	6,020.00	6,013.00	6,006.00
1,441.000	5,998.00	5,991.00	5,983.00	5,975.00	5,967.00
1,442.000	5,958.00	5,949.00	5,941.00	5,931.00	5,922.00
1,443.000	5,913.00	5,903.00	5,893.00	5,883.00	5,872.00
1,444.000	5,862.00	5,851.00	5,840.00	5,829.00	5,817.00
1,445.000	5,806.00	5,794.00	5,782.00	5,770.00	5,757.00
1,446.000	5,745.00	5,732.00	5,719.00	5,706.00	5,692.00
1,447.000	5,678.00	5,665.00	5,651.00	5,636.00	5,622.00
1,448.000	5,607.00	5,592.00	5,577.00	5,562.00	5,546.00
1,449.000	5,531.00	5,515.00	5,499.00	5,483.00	5,466.00
1,450.000	5,449.00	5,433.00	5,416.00	5,398.00	5,381.00
1,451.000	5,363.00	5,345.00	5,327.00	5,309.00	5,291.00
1,452.000	5,272.00	5,253.00	5,235.00	5,216.00	5,197.00
1,453.000	5,179.00	5,160.00	5,142.00	5,123.00	5,105.00
1,454.000	5,086.00	5,068.00	5,049.00	5,031.00	5,012.00
1,455.000	4,994.00	(N/A)	(N/A)	(N/A)	(N/A)

Orifice Calculations

Subsection: Outlet Input Data Scenario: Base

Label: Outlet

Requested Pond Water Surface Elevations	
Minimum (Headwater)	0.00 ft
Increment (Headwater)	0.10 ft
Maximum (Headwater)	5.00 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Stand Pipe	5yr Riser - 3	Forward	TW	1.88	5.00
Stand Pipe	2yr Riser - 2	Forward	TW	0.50	5.00
Stand Pipe	5yr Riser - 2	Forward	TW	1.88	5.00
Stand Pipe	2yr Riser - 3	Forward	TW	0.50	5.00
Stand Pipe	5yr Riser - 1	Forward	TW	1.88	5.00
Stand Pipe	2yr Riser - 1	Forward	TW	0.50	5.00
Stand Pipe	10yr Riser - 2	Forward	TW	2.88	5.00
Orifice-Circular	2yr Orifice	Forward	TW	0.00	5.00
Stand Pipe	10yr Riser - 1	Forward	TW	2.88	5.00
Orifice-Circular	5yr Orifice	Forward	TW	1.88	5.00
Orifice-Circular	10yr Orifice	Forward	TW	2.88	5.00
Tailwater Settings	Tailwater			(N/A)	(N/A)

Orifice Calculations

Subsection: Outlet Input Data
Scenario: Base
Label: Outlet

Structure ID: 2yr Orifice Structure Type: Orifice-Circular	
Number of Openings	14
Elevation	0.00 ft
Orifice Diameter	2.0 in
Orifice Coefficient	0.600

Structure ID: 2yr Riser - 1 Structure Type: Stand Pipe	
Number of Openings	1
Elevation	0.50 ft
Diameter	1.0 in
Orifice Area	0.0 ft²
Orifice Coefficient	0.600
Weir Length	0.26 ft
Weir Coefficient	3.00 (ft^0.5)/s
K Reverse	1.000
Manning's n	0.000
Kev, Charged Riser	0.000
Weir Submergence	False
Orifice H to crest	True

Structure ID: 2yr Riser - 2 Structure Type: Stand Pipe	
Number of Openings	1
Elevation	0.50 ft
Diameter	1.0 in
Orifice Area	0.0 ft²
Orifice Coefficient	0.600
Weir Length	0.26 ft
Weir Coefficient	3.00 (ft^0.5)/s
K Reverse	1.000
Manning's n	0.000
Kev, Charged Riser	0.000
Weir Submergence	False
Orifice H to crest	True

Structure ID: 2yr Riser - 3 Structure Type: Stand Pipe	
Number of Openings	1
Elevation	0.50 ft
Diameter	1.0 in

Orifice Calculations

Subsection: Outlet Input Data
Scenario: Base
Label: Outlet

Structure ID: 2yr Riser - 3 Structure Type: Stand Pipe	
Orifice Area	0.0 ft²
Orifice Coefficient	0.600
Weir Length	0.26 ft
Weir Coefficient	3.00 (ft^0.5)/s
K Reverse	1.000
Manning's n	0.000
Kev, Charged Riser	0.000
Weir Submergence	False
Orifice H to crest	True

Structure ID: 5yr Orifice Structure Type: Orifice-Circular	
Number of Openings	12
Elevation	1.88 ft
Orifice Diameter	1.5 in
Orifice Coefficient	0.600

Structure ID: 5yr Riser - 1 Structure Type: Stand Pipe	
Number of Openings	1
Elevation	1.88 ft
Diameter	4.3 in
Orifice Area	0.1 ft²
Orifice Coefficient	0.600
Weir Length	1.13 ft
Weir Coefficient	3.00 (ft^0.5)/s
K Reverse	1.000
Manning's n	0.000
Kev, Charged Riser	0.000
Weir Submergence	False
Orifice H to crest	True

Structure ID: 5yr Riser - 2 Structure Type: Stand Pipe	
Number of Openings	1
Elevation	1.88 ft
Diameter	4.3 in
Orifice Area	0.1 ft²
Orifice Coefficient	0.600
Weir Length	1.13 ft

Orifice Calculations

Subsection: Outlet Input Data Scenario: Base

Label: Outlet

Structure ID: 5yr Riser - 2 Structure Type: Stand Pipe	
Weir Coefficient	3.00 (ft^0.5)/s
K Reverse	1.000
Manning's n	0.000
Kev, Charged Riser	0.000
Weir Submergence	False
Orifice H to crest	True

Structure ID: 5yr Riser - 3 Structure Type: Stand Pipe	
Number of Openings	1
Elevation	1.88 ft
Diameter	4.3 in
Orifice Area	0.1 ft²
Orifice Coefficient	0.600
Weir Length	1.13 ft
Weir Coefficient	3.00 (ft^0.5)/s
K Reverse	1.000
Manning's n	0.000
Kev, Charged Riser	0.000
Weir Submergence	False
Orifice H to crest	True

Structure ID: 10yr Orifice Structure Type: Orifice-Circular	
Number of Openings	25
Elevation	2.88 ft
Orifice Diameter	1.0 in
Orifice Coefficient	0.600

Structure ID: 10yr Riser - 1 Structure Type: Stand Pipe	
Number of Openings	1
Elevation	2.88 ft
Diameter	2.0 in
Orifice Area	0.0 ft²
Orifice Coefficient	0.600
Weir Length	0.52 ft
Weir Coefficient	3.00 (ft^0.5)/s
K Reverse	1.000
Manning's n	0.000

Orifice Calculations

Subsection: Outlet Input Data Scenario: Base

Label: Outlet

Structure ID: 10yr Riser - 1 Structure Type: Stand Pipe	
Kev, Charged Riser	0.000
Weir Submergence	False
Orifice H to crest	True

Structure ID: 10yr Riser - 2 Structure Type: Stand Pipe	
Number of Openings	1
Elevation	2.88 ft
Diameter	2.0 in
Orifice Area	0.0 ft²
Orifice Coefficient	0.600
Weir Length	0.52 ft
Weir Coefficient	3.00 (ft^0.5)/s
K Reverse	1.000
Manning's n	0.000
Kev, Charged Riser	0.000
Weir Submergence	False
Orifice H to crest	True

Structure ID: TW Structure Type: TW Setup, DS Channel	
Tailwater Type	Free Outfall

Convergence Tolerances	
Maximum Iterations	30
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft³/s
Flow Tolerance (Maximum)	10.000 ft³/s

Orifice Calculations

Subsection: Elevation-Volume-Flow Table (Pond) Scenario: Base

Label: RDF-1

Infiltration	
Infiltration Method (Computed)	No Infiltration

Initial Conditions	
Elevation (Water Surface, Initial)	0.00 ft
Volume (Initial)	0.00 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.200 min

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
0.00	0.00	0.00	0.000	0.00	0.00	0.00
0.10	0.17	149.94	0.000	0.00	0.17	25.16
0.20	0.50	421.51	0.000	0.00	0.50	70.75
0.30	0.68	769.57	0.000	0.00	0.68	128.95
0.40	0.83	1,177.41	0.000	0.00	0.83	197.06
0.50	0.95	1,635.01	0.000	0.00	0.95	273.45
0.60	1.08	2,135.42	0.000	0.00	1.08	356.98
0.70	1.19	2,673.33	0.000	0.00	1.19	446.74
0.80	1.29	3,244.49	0.000	0.00	1.29	542.04
0.90	1.38	3,845.38	0.000	0.00	1.38	642.28
1.00	1.46	4,472.95	0.000	0.00	1.46	746.96
1.10	1.54	5,124.55	0.000	0.00	1.54	855.63
1.20	1.62	5,797.79	0.000	0.00	1.62	967.92
1.30	1.69	6,490.53	0.000	0.00	1.69	1,083.45
1.40	1.76	7,200.79	0.000	0.00	1.76	1,201.89
1.50	1.83	7,926.73	0.000	0.00	1.83	1,322.95
1.60	1.89	8,666.66	0.000	0.00	1.89	1,446.34
1.70	1.96	9,418.93	0.000	0.00	1.96	1,571.78
1.80	2.02	10,182.02	0.000	0.00	2.02	1,699.02
1.88	2.06	10,761.34	0.000	0.00	2.06	1,795.62
1.88	2.06	10,799.96	0.000	0.00	2.06	1,802.06
1.90	2.11	10,954.45	0.000	0.00	2.11	1,827.85
2.00	2.73	11,734.79	0.000	0.00	2.73	1,958.53
2.10	3.16	12,521.67	0.000	0.00	3.16	2,090.10
2.20	3.43	13,313.74	0.000	0.00	3.43	2,222.38
2.30	3.66	14,109.67	0.000	0.00	3.66	2,355.28
2.40	3.88	14,908.18	0.000	0.00	3.88	2,488.57
2.50	4.07	15,707.96	0.000	0.00	4.07	2,622.07
2.60	4.26	16,507.75	0.000	0.00	4.26	2,755.55

Orifice Calculations

Subsection: Elevation-Volume-Flow Table (Pond) Scenario: Base

Label: RDF-1

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (ft²)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
2.70	4.43	17,306.25	0.000	0.00	4.43	2,888.81
2.80	4.60	18,102.19	0.000	0.00	4.60	3,021.63
2.88	4.72	18,696.24	0.000	0.00	4.72	3,120.76
2.90	4.78	18,894.26	0.000	0.00	4.78	3,153.82
3.00	5.17	19,681.13	0.000	0.00	5.17	3,285.36
3.10	5.43	20,461.48	0.000	0.00	5.43	3,415.68
3.20	5.66	21,233.90	0.000	0.00	5.66	3,544.65
3.30	5.87	21,996.99	0.000	0.00	5.87	3,672.04
3.40	6.07	22,749.27	0.000	0.00	6.07	3,797.62
3.50	6.26	23,489.19	0.000	0.00	6.26	3,921.13
3.60	6.44	24,215.14	0.000	0.00	6.44	4,042.30
3.70	6.61	24,925.40	0.000	0.00	6.61	4,160.85
3.80	6.78	25,618.14	0.000	0.00	6.78	4,276.47
3.90	6.94	26,291.38	0.000	0.00	6.94	4,388.84
4.00	7.10	26,942.97	0.000	0.00	7.10	4,497.60
4.10	7.25	27,570.55	0.000	0.00	7.25	4,602.34
4.20	7.40	28,171.43	0.000	0.00	7.40	4,702.64
4.30	7.55	28,742.60	0.000	0.00	7.55	4,797.98
4.40	7.69	29,280.51	0.000	0.00	7.69	4,887.78
4.50	7.83	29,780.92	0.000	0.00	7.83	4,971.32
4.60	7.97	30,238.52	0.000	0.00	7.97	5,047.72
4.70	8.10	30,646.35	0.000	0.00	8.10	5,115.83
4.80	8.24	30,994.42	0.000	0.00	8.24	5,173.97
4.90	8.37	31,265.99	0.000	0.00	8.37	5,219.36
5.00	8.49	31,415.93	0.000	0.00	8.49	5,244.48

Orifice Calculations

Subsection: Level Pool Pond Routing Summary
Scenario: Base
Label: RDF-1 (IN)

Infiltration	
Infiltration Method (Computed)	No Infiltration

Initial Conditions	
Elevation (Water Surface, Initial)	0.00 ft
Volume (Initial)	0.00 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.200 min

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	20.10 ft³/s	Time to Peak (Flow, In)	1,154.400 min
Flow (Peak Outlet)	7.80 ft³/s	Time to Peak (Flow, Outlet)	1,164.400 min

Elevation (Water Surface, Peak)	4.47 ft
Volume (Peak)	29,649.68 ft³

Mass Balance (ft³)	
Volume (Initial)	0.00 ft³
Volume (Total Inflow)	179,229.00 ft³
Volume (Total Infiltration)	0.00 ft³
Volume (Total Outlet Outflow)	174,235.00 ft³
Volume (Retained)	4,976.00 ft³
Volume (Unrouted)	-18.00 ft³
Error (Mass Balance)	0.0 %

Orifice Calculations

Subsection: Pond Inflow Summary
Scenario: Base
Label: RDF-1 (IN)

Summary for Hydrograph Addition at 'RDF-1'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA1

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (min)	Flow (Peak) (ft³/s)
Flow (From)	DA1	179,229.01	1,154.400	20.10
Flow (In)	RDF-1	179,229.01	1,154.400	20.10

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