

RECEIVED

By Virgil Amick at
12:21 pm, October 31, 2025

Teaway Court/ Frank Chopp Apartments DRAINAGE REPORT

Prepared by:
Encompass Engineering & Surveying
110 South Oakes Ave. #250
Cle Elum, WA 98922



Table of Contents

I.	INTRODUCTION	2
II.	EXISTING DRAINAGE CONDITIONS	2
a.	Soil Conditions	2
III.	PROPOSED CONDITIONS.....	2-2
IV.	COMPLIANCE WITH CITY OF CLE ELUM AND THE PRE-APPLICATION MEETING SUMMARY	3
1.	Preparation of a Stormwater Site Plan	3
2.	Construction Stormwater Pollution Prevention	3
3.	Source Control Pollution.....	3
4.	Preservation of Natural Drainage Systems.....	3
5.	Runoff Treatment	3
6.	Flow Control.....	4
7.	Operation and Maintenance	4
8.	Local Requirements Per City of Cle Elum and Development Agreement	4
V.	CONCLUSION	4

List of Figures

- Figure 1 – Vicinity Map & Existing Conditions
- Figure 2 – Simplified Drainage Sketch
- Figure 3 – Detailed Drainage Modeling

Appendix

- Appendix A – Stormwater Modeling Analysis
- Appendix B- Geotechnical Report prepared by GeoEngineers, Inc.

I. INTRODUCTION

The Teanaway Court/ Frank Chopp Apartments are located north of Third Street, west of Short Avenue, and east of Floral Avenue in Cle Elum, Washington. The site is located on Kittitas County tax parcels #113034 and #123034. More generally, the project is located in the SW ¼ of Section 25, Township 20 North, Range 15 East W.M. See Figure 1 – Vicinity Map.

Teanaway Court/ Frank Chopp Apartments proposes to construct 41 housing units on approximately 2.88 acres. There are 7 housing buildings planned for construction, with each building having six housing units. There will be 1 bedroom, 2 bedroom, and 3 bedroom units. There will also be a day care facility as part of this project, as well as a maintenance building and a common building.

Construction includes an extension of Short Avenue, which will be the access route for the project. There will be paved parking provided. This report addresses the drainage for the hardened parking lot and sidewalks for this project.

The purpose of this report is to provide information on the existing and proposed stormwater flows to verify the proposed development will comply with City of Cle Elum stormwater requirements and the Pre-Application Meeting Summary from October 31, 2023.

II. EXISTING DRAINAGE CONDITIONS

The site is presently meadow or pasture land, with no hardened surfaces and no evidence of surface drainage or erosion in the past. All previous stormwater has infiltrated on site in a dispersed pattern. The site slopes gently to the south at 2-5% slope.

Runoff from the site presently is not in evidence. The slopes of the site dictate that any surface flow will drain to the south end of the property.

a. Soil Conditions

See the Geotechnical report prepared by GeoEngineers of Redmond, Washington for the complete report; attached as Appendix B, for the best information on Soil Conditions for this site, including a discussion of the existing soil conditions and infiltration rates used for this stormwater analysis.

III. PROPOSED CONDITIONS

A major feature of the drainage proposed for this project is to include stormwater catchment and infiltration galleries incorporated into the landscape strips within the parking lot, to capture, detain, and infiltrate runoff from the impervious surfaces.

At the southwest and southeast corners of the property, which are also the lowest points on the property, this project will have swales or drainage catchments to capture and attenuate flows in excess of the design storm quantities to prevent erosion or damage to downstream properties.

Runoff that does not infiltrate in the galleries will be conveyed to the two infiltration/retention swales that are designed as further catchment and infiltration facilities.

Any overflow from the infiltration/ retention swales (ie greatly exceeding the Design Storm runoff Q) will discharge to the existing point of discharge for the southeast corner of the property, to the existing Cle Elum stormwater conveyances, to carry runoff south to the existing town ditch on Second Street.

IV. COMPLIANCE WITH CITY OF CLE ELUM AND THE PRE-APPLICATION MEETING SUMMARY

All new development projects must comply with City of Cle Elum standards and the Pre-Application Meeting Summary of October 31, 2023.

This project must meet the 8 Core Elements outlined in Chapter 2 of the Stormwater Management Manual for Eastern Washington (*SWMMEW*). The Core Elements are listed below with a description of the project's compliance.

1. Preparation of a Stormwater Site Plan

- The proposed conditions can be seen in Figures 2 and 3 of this report and the Grading Drainage plans submitted as part of the Project Civil plans.

2. Construction Stormwater Pollution Prevention

- A Stormwater Pollution Prevention Plan (SWPPP) will be prepared and kept on-site during construction. Erosion control Best Management Practices (BMPs) can be seen on temporary erosion and sediment control plans and include a silt fence, catch basin inlet protection, and stabilized construction entrances to prevent tracking or similar off-site erosion issues.

3. Source Control Pollution

- Any proposed on-site features that may be considered a point source of pollutants will be managed to protect the proposed galleries and swales.

4. Preservation of Natural Drainage Systems

- The existing site discharges at the SE corner of the property and flows to the south along Short Avenue. The proposed site would preserve the existing discharge along Short Avenue.

5. Runoff Treatment

- The proposed infiltration galleries were sized to infiltrate the 2-year storm event as found in NOAA Atlas 2 for the 2-year, 24 hour storm event, which is 2.00 inches and 0.08 inches per hour. This number is adjusted per CEMC 16.12A.060.B.2, to sixty-four percent of this runoff event.

6. Flow Control

- Hydrologic analysis for the proposed project is calculated according to the 2019 Stormwater Management Manual for Eastern Washington. Runoff modeling was done using the 10 year, 24 hour isopluvials as found in figure 27 of NOAA Atlas 2, Volume IX, which is 2.7 inches in 24 hours.
- Calculations were performed utilizing the Storm & Sanitary Analysis (SSA) program available in Civil 3D, which is an approved stormwater simulation modeling program by the Department of Ecology.
- The infiltration galleries / swales are sized to infiltrate the 2-year storm event with extra capacity. Overflow swales will be located near the southwest and southeast corners of the property. There will seldom be any water in these swales. If there is enough runoff to fill the entire stormwater system (ie a much larger storm event than the design storm), the overflow will connect to the City's existing surface ditch at Third Street, which would then convey water to the large City ditch along 2nd Street.

7. Operation and Maintenance

- Access to the galleries and swales for maintenance is assured because they are located in this development's common areas.

8. Local Requirements Per City of Cle Elum

- As noted above.

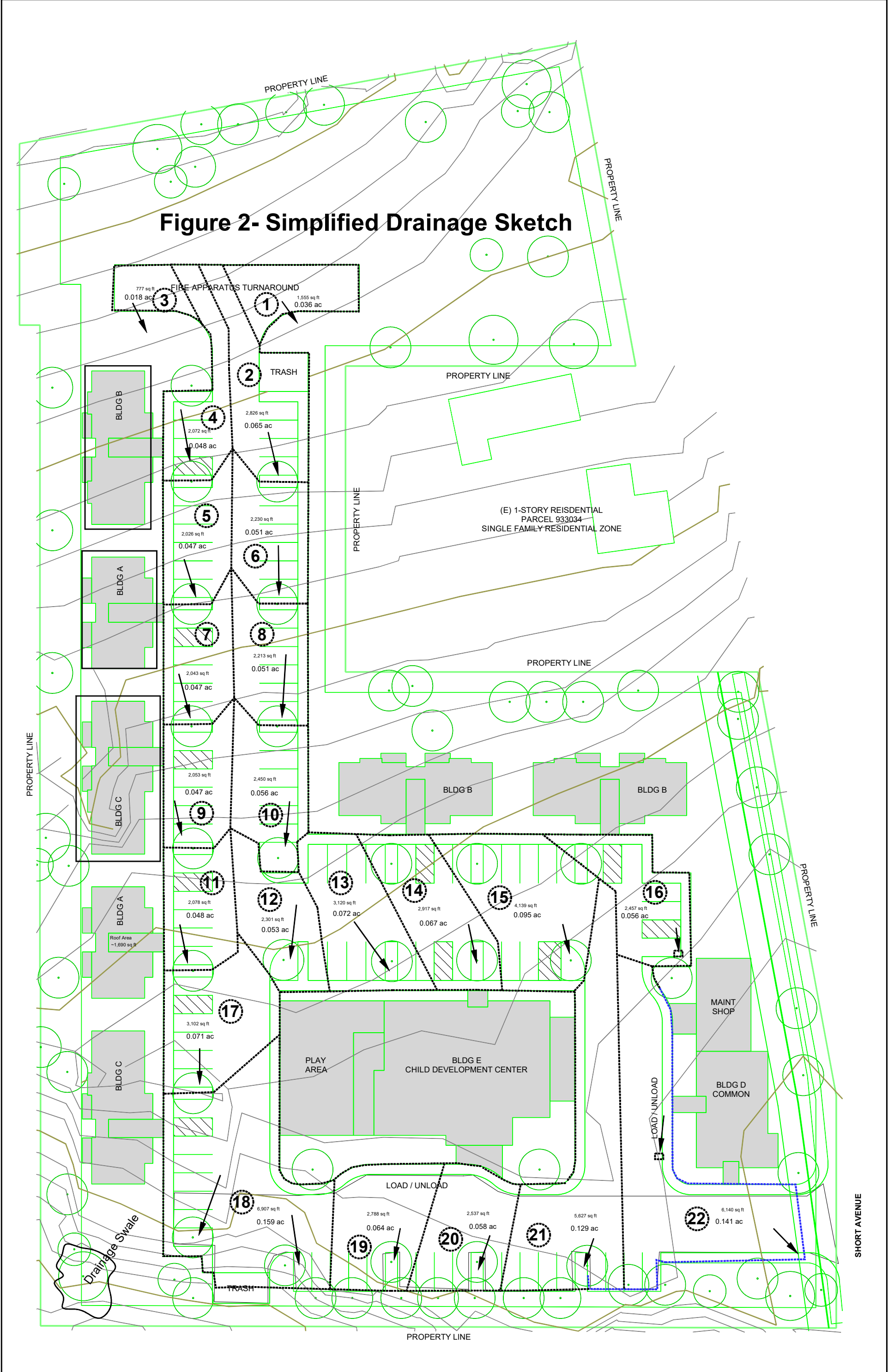
V. CONCLUSION

The Teanaway Court/ Frank Chopp project proposes to develop 41-apartment units, a Day Care facility, a Maintenance Building and a Common Building, and associated access roads and walking pathways. The purpose of this report is to show the stormwater design for this project and also show compliance with City of Cle Elum development standards and the Stormwater Management Manual for Eastern Washington, 2019.

Figure 1 – Vicinity Map & Existing Conditions
(Boundary Lines Approximate)



Figure 2- Simplified Drainage Sketch



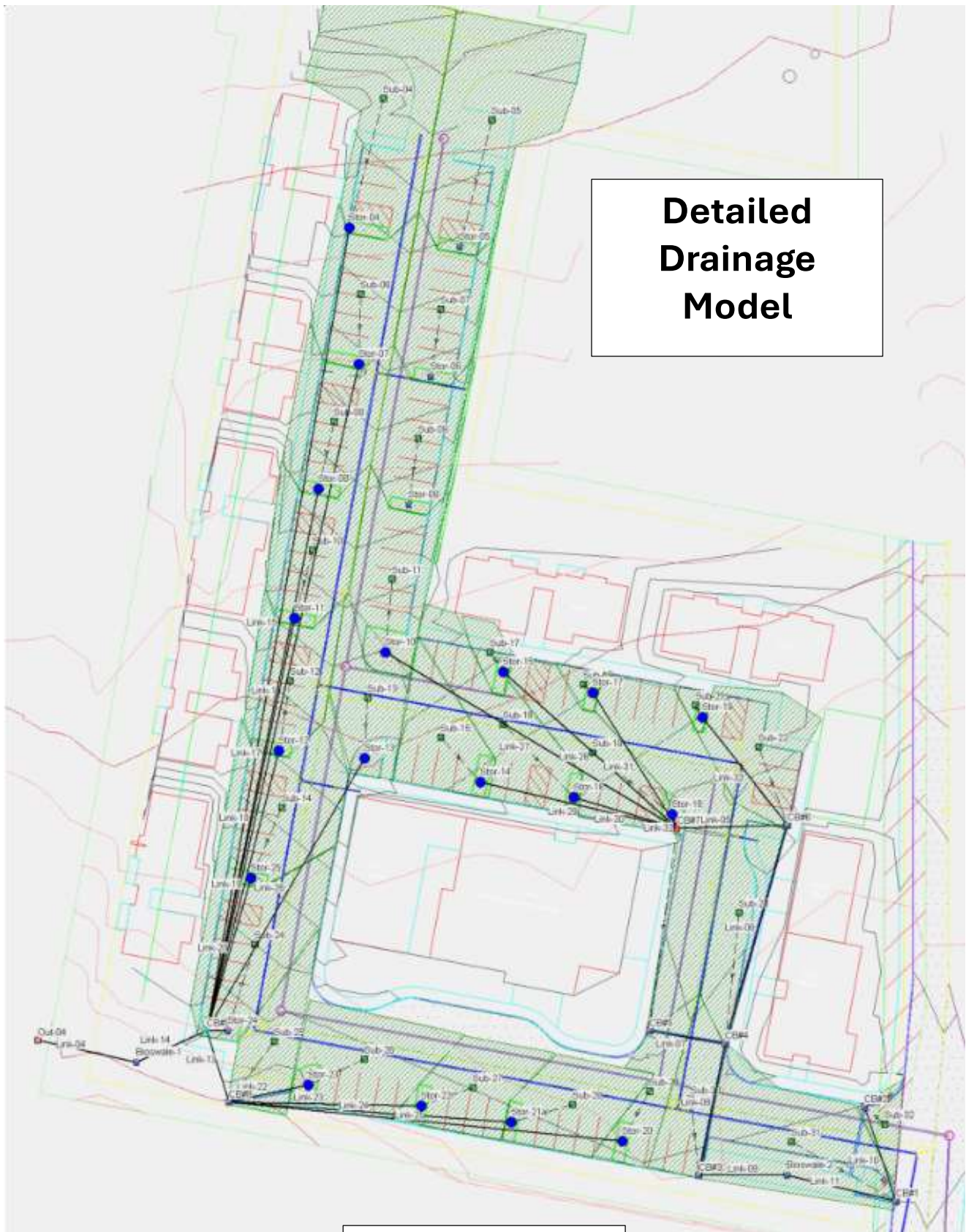


Figure 3

Project Description

File Name Cle Elum SSA Rational.SPF

Project Options

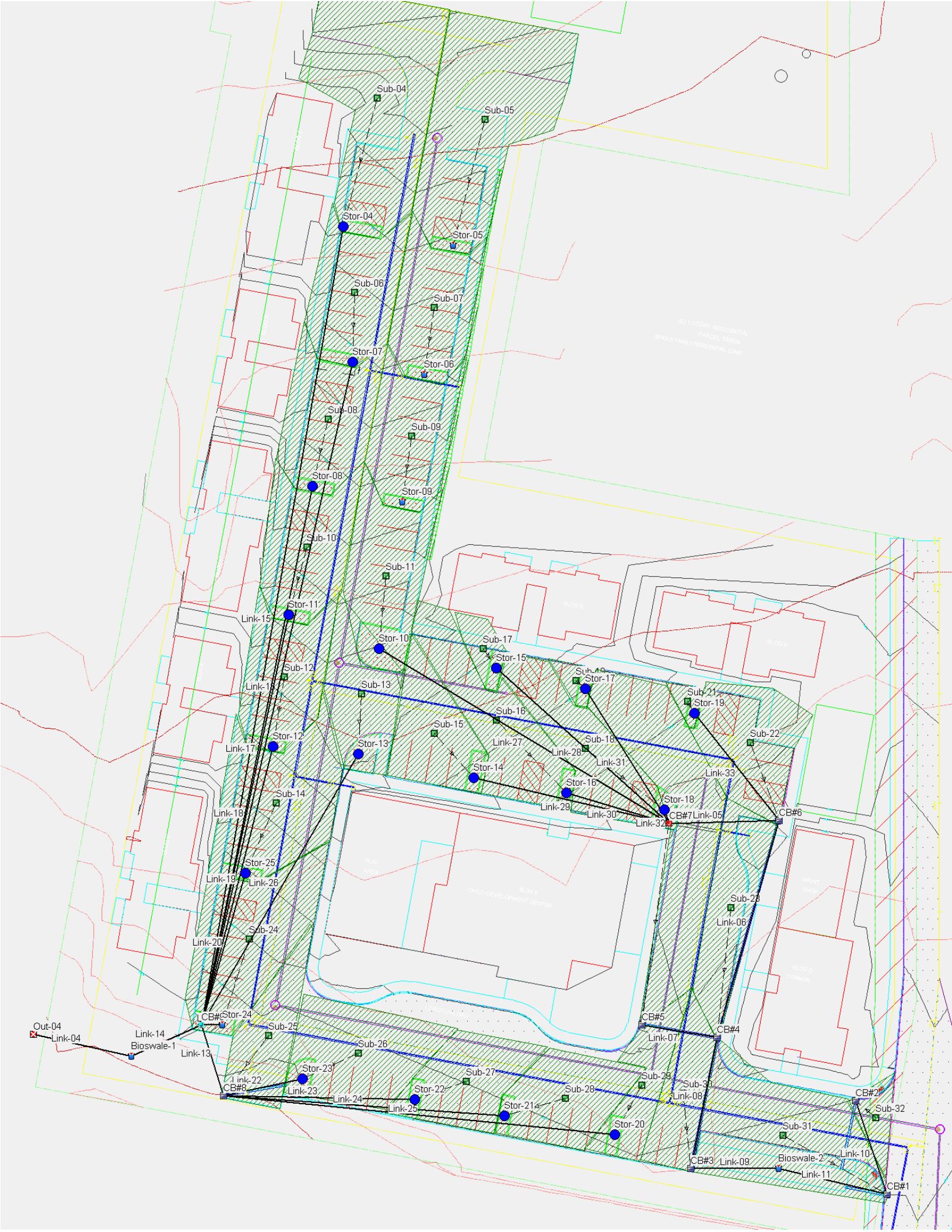
Flow Units CFS
Elevation Type Elevation
Hydrology Method Rational
Time of Concentration (TOC) Method Kirpich
Link Routing Method Kinematic Wave
Enable Overflow Ponding at Nodes YES
Skip Steady State Analysis Time Periods YES

Analysis Options

Start Analysis On 00:00:00 0:00:00
End Analysis On 00:00:00 0:00:00
Start Reporting On 00:00:00 0:00:00
Antecedent Dry Days 0 days
Runoff (Dry Weather) Time Step 0 01:00:00 days hh:mm:ss
Runoff (Wet Weather) Time Step 0 00:05:00 days hh:mm:ss
Reporting Time Step 0 00:05:00 days hh:mm:ss
Routing Time Step 30 seconds

Number of Elements

	Qty
Rain Gages	1
Subbasins.....	29
Nodes.....	34
<i>Junctions</i>	2
<i>Outfalls</i>	1
<i>Flow Diversions</i>	0
<i>Inlets</i>	7
<i>Storage Nodes</i>	24
Links.....	29
<i>Channels</i>	19
<i>Pipes</i>	10
<i>Pumps</i>	0
<i>Orifices</i>	0
<i>Weirs</i>	0
<i>Outlets</i>	0
Pollutants	0
Land Uses	0



Subbasin Summary

SN	Subbasin ID	Area	Weighted Runoff Coefficient	Average Slope	Flow Length	Total Rainfall	Total Runoff	Total Runoff Volume	Peak Runoff	Time of Concentration
		(ac)		(%)	(ft)	(in)	(in)	(ac-in)	(cfs)	(days hh:mm:ss)
1	Sub-04	0.11	0.7200	0.5000	500.00	0.24	0.17	0.02	0.16	0 00:07:10
2	Sub-05	0.11	0.7200	0.5000	500.00	0.24	0.17	0.02	0.16	0 00:07:10
3	Sub-06	0.05	0.7200	0.5000	500.00	0.24	0.17	0.01	0.08	0 00:07:10
4	Sub-07	0.05	0.7200	0.5000	500.00	0.24	0.17	0.01	0.07	0 00:07:10
5	Sub-08	0.05	0.7200	0.5000	500.00	0.24	0.17	0.01	0.08	0 00:07:10
6	Sub-09	0.05	0.7200	0.5000	500.00	0.24	0.17	0.01	0.07	0 00:07:10
7	Sub-10	0.05	0.7200	0.5000	500.00	0.24	0.17	0.01	0.08	0 00:07:10
8	Sub-11	0.06	0.7200	0.5000	500.00	0.24	0.17	0.01	0.08	0 00:07:10
9	Sub-12	0.05	0.7200	0.5000	500.00	0.24	0.17	0.01	0.07	0 00:07:10
10	Sub-13	0.04	0.7200	0.5000	500.00	0.24	0.17	0.01	0.06	0 00:07:10
11	Sub-14	0.07	0.7200	0.5000	500.00	0.24	0.17	0.01	0.11	0 00:07:10
12	Sub-15	0.04	0.7200	0.5000	500.00	0.24	0.17	0.01	0.06	0 00:07:10
13	Sub-16	0.06	0.7200	0.5000	500.00	0.24	0.17	0.01	0.08	0 00:07:10
14	Sub-17	0.01	0.7200	0.5000	500.00	0.24	0.17	0.00	0.02	0 00:07:10
15	Sub-18	0.05	0.7200	0.5000	500.00	0.24	0.17	0.01	0.08	0 00:07:10
16	Sub-19	0.01	0.7200	0.5000	500.00	0.24	0.17	0.00	0.01	0 00:07:10
17	Sub-20	0.09	0.7200	0.5000	500.00	0.24	0.17	0.02	0.13	0 00:07:10
18	Sub-21	0.00	0.7200	0.5000	500.00	0.24	0.17	0.00	0.01	0 00:07:10
19	Sub-22	0.05	0.7200	0.5000	500.00	0.24	0.17	0.01	0.07	0 00:07:10
20	Sub-23	0.04	0.7200	0.5000	500.00	0.24	0.17	0.01	0.06	0 00:07:10
21	Sub-24	0.07	0.7200	0.5000	500.00	0.24	0.17	0.01	0.11	0 00:07:10
22	Sub-25	0.04	0.7200	0.5000	500.00	0.24	0.17	0.01	0.05	0 00:07:10
23	Sub-26	0.06	0.7200	0.5000	500.00	0.24	0.17	0.01	0.09	0 00:07:10
24	Sub-27	0.04	0.7200	0.5000	500.00	0.24	0.17	0.01	0.06	0 00:07:10
25	Sub-28	0.05	0.7200	0.5000	500.00	0.24	0.17	0.01	0.07	0 00:07:10
26	Sub-29	0.03	0.7200	0.5000	500.00	0.24	0.17	0.00	0.04	0 00:07:10
27	Sub-30	0.03	0.7200	0.5000	500.00	0.24	0.17	0.01	0.05	0 00:07:10
28	Sub-31	0.08	0.7200	0.5000	500.00	0.24	0.17	0.01	0.12	0 00:07:10
29	Sub-32	0.01	0.7200	0.5000	500.00	0.24	0.17	0.00	0.02	0 00:07:10

Node Summary

SN	Element ID	Element Type	Invert Elevation	Ground/Rim (Max) Elevation	Initial Water Elevation	Surcharge Elevation	Ponded Area	Peak Inflow	Max HGL Elevation Attained	Max Surcharge Depth Attained	Min Freeboard Attained
			(ft)	(ft)	(ft)	(ft)	(ft²)	(cfs)	(ft)	(ft)	(ft) (
1	CB#7	Junction	1904.75	1907.74	0.00	0.00	0.00	0.00	1907.75	0.00	1.00
2	CB#9	Junction	1901.10	1905.50	0.00	0.00	0.00	0.16	1905.50	0.00	1.00
3	Out-04	Outfall	1901.00					0.00	1901.00		
4	Bioswale-1	Storage Node	1896.00	1902.00	0.00		0.00	0.15	1896.02		
5	Bioswale-2	Storage Node	0.00	6.00	0.00		0.00	0.43	0.00		
6	Stor-04	Storage Node	1916.00	1919.00	0.00		0.00	0.16	1919.00		
7	Stor-05	Storage Node	1916.00	1919.00	0.00		0.00	0.16	1916.00		
8	Stor-06	Storage Node	1913.50	1916.50	0.00		0.00	0.07	1913.50		
9	Stor-07	Storage Node	1913.50	1916.50	0.00		0.00	0.07	1916.50		
10	Stor-08	Storage Node	1911.50	1914.50	0.00		0.00	0.08	1914.50		
11	Stor-09	Storage Node	1911.50	1914.50	0.00		0.00	0.07	1911.50		
12	Stor-10	Storage Node	1909.00	1912.00	0.00		0.00	0.08	1912.00		
13	Stor-11	Storage Node	1909.25	1912.25	0.00		0.00	0.08	1912.25		
14	Stor-12	Storage Node	1907.00	1910.00	0.00		0.00	0.07	1910.00		
15	Stor-13	Storage Node	1908.00	1911.00	0.00		0.00	0.06	1911.00		
16	Stor-14	Storage Node	1907.00	1910.00	0.00		0.00	0.06	1910.00		
17	Stor-15	Storage Node	1908.00	1911.00	0.00		0.00	0.02	1908.76		
18	Stor-16	Storage Node	1906.00	1909.00	0.00		0.00	0.08	1909.00		
19	Stor-17	Storage Node	1907.00	1910.00	0.00		0.00	0.01	1907.50		
20	Stor-18	Storage Node	1905.00	1908.00	0.00		0.00	0.08	1908.00		
21	Stor-19	Storage Node	1906.00	1909.00	0.00		0.00	0.01	1906.37		
22	Stor-20	Storage Node	1903.00	1906.00	0.00		0.00	0.04	1905.16		
23	Stor-21	Storage Node	1903.00	1906.00	0.00		0.00	0.07	1906.00		
24	Stor-22	Storage Node	1902.50	1905.50	0.00		0.00	0.06	1905.50		
25	Stor-23	Storage Node	1902.00	1905.00	0.00		0.00	0.09	1905.00		
26	Stor-24	Storage Node	1902.50	1905.50	0.00		0.00	0.11	1905.03		
27	Stor-25	Storage Node	1903.00	1908.00	0.00		0.00	0.11	1908.00		

Link Summary

SN	Element	From	To (Outlet)	Length	Inlet	Outlet	Average	Diameter or	Manning's	Peak	Design Flow	Peak Flow/	Peak Flow	Peak Flow	P
ID	Type	(Inlet)	Node		Invert	Invert	Slope	Height	Roughness	Flow	Capacity	Design Flow	Velocity	Depth	Tot
		Node		(ft)	(ft)	(ft)	(%)	(in)		(cfs)	(cfs)		(ft/sec)	(ft)	
1	Link-04	Pipe	Bioswale-1	Out-04	16.71	1902.00	1901.00	5.9800		0.00	7.55	0.00	0.00	0.00	
2	Link-05	Pipe	CB#7	CB#6	50.57	1905.24	1905.06	0.3600		0.00	1.84	0.00	0.00	0.00	
3	Link-06	Pipe	CB#6	CB#4	103.70	1905.06	1903.64	1.3700		0.07	3.61	0.02	3.13	0.10	
4	Link-07	Pipe	CB#5	CB#4	34.93	1903.65	1903.64	0.0300		0.13	0.52	0.25	0.96	0.34	
5	Link-08	Pipe	CB#4	CB#3	61.09	1903.64	1902.78	1.4100		0.26	3.66	0.07	2.71	0.18	
6	Link-09	Pipe	CB#3	Bioswale-2	40.20	1902.78	1901.00	4.4300		0.30	6.50	0.05	4.29	0.15	
7	Link-10	Pipe	CB#2	CB#1	47.26	1902.30	1901.25	2.2200		0.02	4.60	0.00	1.37	0.04	
8	Link-11	Pipe	CB#1	Bioswale-2	51.03	1901.25	1901.00	0.4900		0.13	2.16	0.06	1.55	0.17	
9	Link-13	Pipe	CB#8	CB#9	33.98	1901.66	1901.50	0.4700		0.05	2.12	0.02	1.72	0.11	
10	Link-14	Pipe	CB#9	Bioswale-1	35.20	1901.50	1901.00	1.4200		0.15	3.68	0.04	2.33	0.14	
11	Link-15	Channel	Stor-04	CB#9	372.55	1919.00	1905.50	3.6200		0.00	4.25	0.00	0.00	0.00	
12	Link-16	Channel	Stor-07	CB#9	312.12	1916.50	1905.50	3.5200		0.00	4.19	0.00	0.00	0.00	
13	Link-17	Channel	Stor-08	CB#9	252.21	1914.50	1905.50	3.5700		0.00	4.22	0.00	0.00	0.00	
14	Link-18	Channel	Stor-11	CB#9	192.33	1912.25	1905.50	3.5100		0.00	4.18	0.00	0.00	0.00	
15	Link-19	Channel	Stor-12	CB#9	131.74	1910.00	1905.50	3.4200		0.00	4.13	0.00	0.00	0.00	
16	Link-20	Channel	Stor-25	CB#9	72.37	1908.00	1905.50	3.4500		0.00	4.15	0.00	0.00	0.00	
17	Link-21	Channel	Stor-24	CB#9	9.49	1905.00	1901.10	41.1000		0.11	14.31	0.01	3.03	0.03	
18	Link-22	Channel	Stor-23	CB#8	36.84	1905.00	1904.60	1.0900		0.00	2.33	0.00	0.00	0.00	
19	Link-23	Channel	Stor-22	CB#8	87.58	1905.50	1904.16	1.5300		0.00	2.76	0.00	0.00	0.00	
20	Link-24	Channel	Stor-21	CB#8	129.02	1906.00	1904.16	1.4300		0.00	2.67	0.00	0.00	0.00	
21	Link-25	Channel	Stor-20	CB#8	180.11	1906.00	1904.16	1.0200		0.00	2.26	0.00	0.00	0.00	
22	Link-26	Channel	Stor-13	CB#9	143.44	1911.00	1905.50	3.8300		0.00	4.37	0.00	0.00	0.00	
23	Link-27	Channel	Stor-10	CB#7	155.51	1912.00	1907.74	2.7400		0.00	3.69	0.00	0.00	0.00	
24	Link-28	Channel	Stor-15	CB#7	106.76	1911.00	1907.74	3.0500		0.00	3.90	0.00	0.00	0.00	
25	Link-29	Channel	Stor-14	CB#7	91.90	1910.00	1907.74	2.4600		0.00	3.50	0.00	0.00	0.00	
26	Link-30	Channel	Stor-16	CB#7	49.14	1909.00	1907.74	2.5600		0.00	3.57	0.00	0.00	0.00	
27	Link-31	Channel	Stor-17	CB#7	72.79	1910.00	1907.74	3.1000		0.00	3.93	0.00	0.00	0.00	
28	Link-32	Channel	Stor-18	CB#7	6.79	1908.00	1907.75	3.6800		0.00	4.28	0.00	0.00	0.00	
29	Link-33	Channel	Stor-19	CB#6	62.66	1909.00	1907.56	2.3000		0.00	3.38	0.00	0.00	0.00	

Inlet Summary

SN	Element	Inlet	Manufacturer	Inlet	Number of	Catchbasin	Max (Rim)	Initial	Ponded	Peak	Peak Flow	Peak Flow	Inlet	Allowable
	ID	Manufacturer	Part	Location	Inlets	Invert	Elevation	Water	Area	Flow	Intercepted	Bypassing	Efficiency	Spread
			Number			Elevation		Elevation			by	Inlet	during Peak	
							(ft)	(ft)	(ft²)	(cfs)	Inlet	(cfs)	(%)	(ft)
1	CB#1	FHWA HEC-22 GENERIC	N/A	On Sag	1	1901.25	1904.25	0.00	10.00	0.12	N/A	N/A	N/A	7.00
2	CB#2	FHWA HEC-22 GENERIC	N/A	On Sag	1	1901.50	1904.80	0.00	10.00	0.02	N/A	N/A	N/A	7.00
3	CB#3	FHWA HEC-22 GENERIC	N/A	On Sag	1	1902.58	1906.69	0.00	10.00	0.05	N/A	N/A	N/A	7.00
4	CB#4	FHWA HEC-22 GENERIC	N/A	On Sag	1	1903.04	1906.14	0.00	10.00	0.06	N/A	N/A	N/A	7.00
5	CB#5	FHWA HEC-22 GENERIC	N/A	On Sag	1	1903.11	1906.11	0.00	10.00	0.13	N/A	N/A	N/A	7.00
6	CB#6	FHWA HEC-22 GENERIC	N/A	On Sag	1	1904.90	1907.56	0.00	10.00	0.07	N/A	N/A	N/A	7.00
7	CB#8	FHWA HEC-22 GENERIC	N/A	On Sag	1	1901.11	1904.16	0.00	10.00	0.05	N/A	N/A	N/A	7.00

Subbasin Hydrology

Subbasin : Sub-04

Input Data

Area (ac)	0.11
Weighted Runoff Coefficient	0.72
Average Slope (%)	0.5
Flow Length (ft)	500

Runoff Coefficient

Soil/Surface Description	Area (acres)	Soil Group	Runoff Coeff.
-	0.11	-	0.72
Composite Area & Weighted Runoff Coeff.	0.11		0.72

Time of Concentration

TOC Method : Kirpich

Sheet Flow Equation :

$T_c = (0.0078 * ((L_f^{0.77}) * (S_f^{-0.385})))$

Where :

- Tc = Time of Concentration (min)
- Lf = Flow Length (ft)
- Sf = Slope (ft/ft)

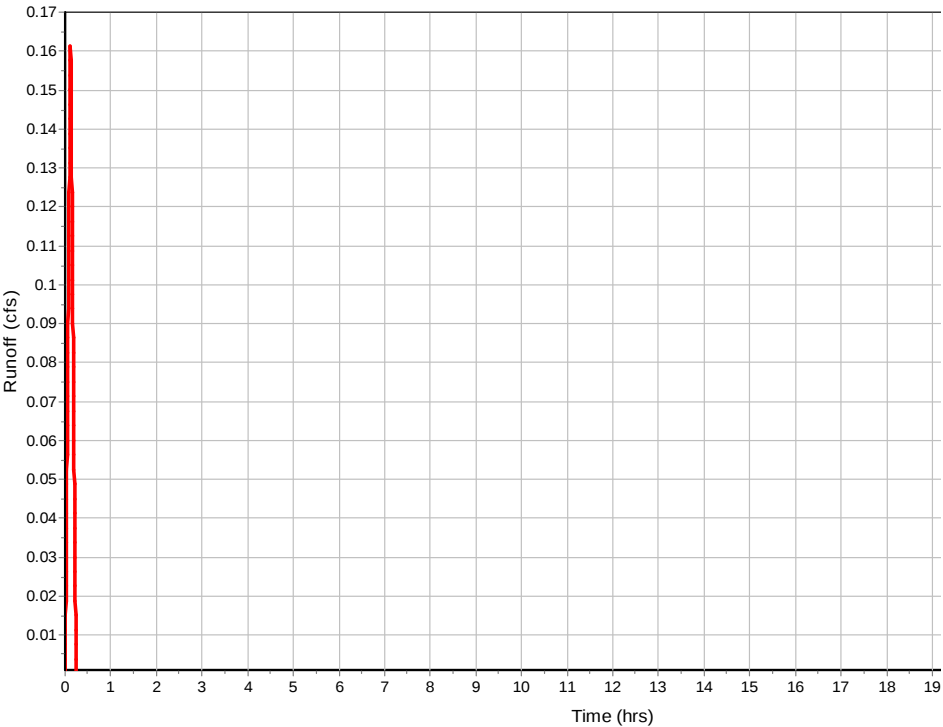
Flow Length (ft)	500
Slope (%)	0.5
Computed TOC (min)	7.18

Subbasin Runoff Results

Total Rainfall (in)	0.24
Total Runoff (in)	0.17
Peak Runoff (cfs)	0.16
Rainfall Intensity	1.99
Weighted Runoff Coefficient	0.72
Time of Concentration (days hh:mm:ss)	0 00:07:11

Subbasin : Sub-04

Runoff Hydrograph



Subbasin : Sub-05

Input Data

Area (ac)	0.11
Weighted Runoff Coefficient	0.72
Average Slope (%)	0.5
Flow Length (ft)	500

Runoff Coefficient

	Area	Soil	Runoff
Soil/Surface Description	(acres)	Group	Coeff.
-	0.11	-	0.72
Composite Area & Weighted Runoff Coeff.	0.11		0.72

Time of Concentration

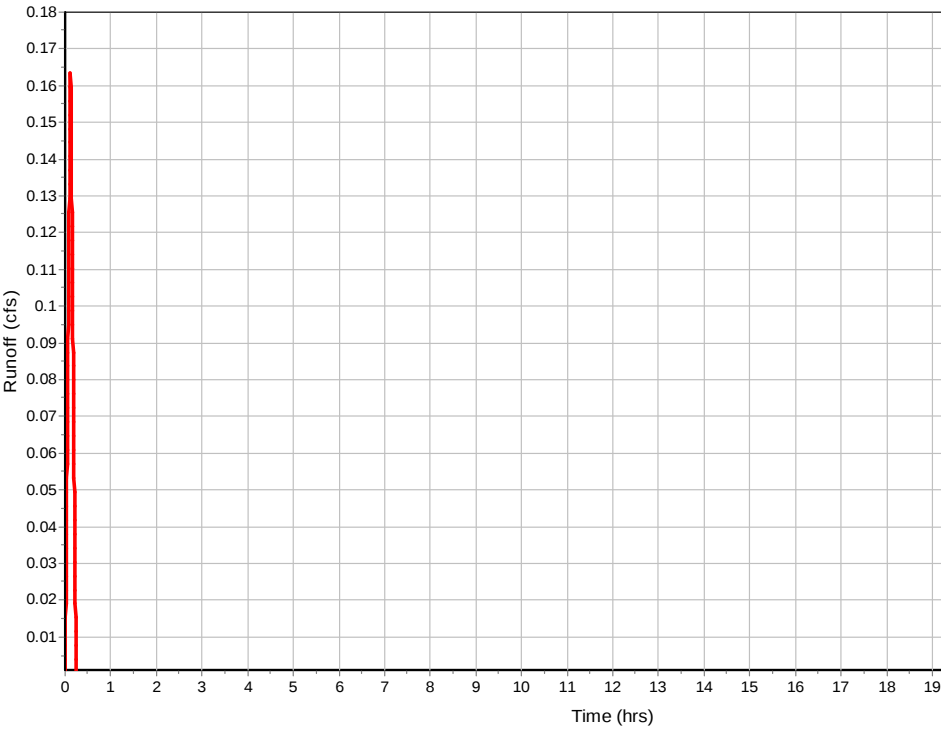
Flow Length (ft)	500
Slope (%)	0.5
Computed TOC (min)	7.18

Subbasin Runoff Results

Total Rainfall (in)	0.24
Total Runoff (in)	0.17
Peak Runoff (cfs)	0.16
Rainfall Intensity	1.99
Weighted Runoff Coefficient	0.72
Time of Concentration (days hh:mm:ss)	0 00:07:11

Subbasin : Sub-05

Runoff Hydrograph



Subbasin : Sub-06

Input Data

Area (ac)	0.05
Weighted Runoff Coefficient	0.72
Average Slope (%)	0.5
Flow Length (ft)	500

Runoff Coefficient

	Area	Soil	Runoff
Soil/Surface Description	(acres)	Group	Coeff.
-	0.05	-	0.72
Composite Area & Weighted Runoff Coeff.	0.05		0.72

Time of Concentration

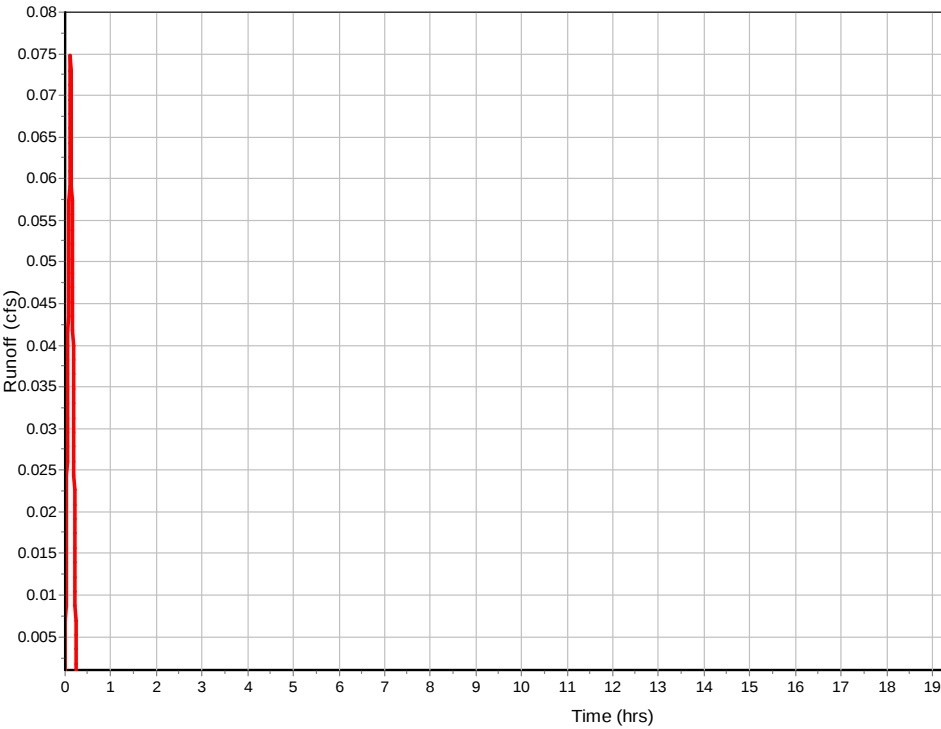
Flow Length (ft)	500
Slope (%)	0.5
Computed TOC (min)	7.18

Subbasin Runoff Results

Total Rainfall (in)	0.24
Total Runoff (in)	0.17
Peak Runoff (cfs)	0.08
Rainfall Intensity	1.99
Weighted Runoff Coefficient	0.72
Time of Concentration (days hh:mm:ss)	0 00:07:11

Subbasin : Sub-06

Runoff Hydrograph



Subbasin : Sub-07

Input Data

Area (ac)	0.05
Weighted Runoff Coefficient	0.72
Average Slope (%)	0.5
Flow Length (ft)	500

Runoff Coefficient

	Area	Soil	Runoff
Soil/Surface Description	(acres)	Group	Coeff.
-	0.05	-	0.72
Composite Area & Weighted Runoff Coeff.	0.05		0.72

Time of Concentration

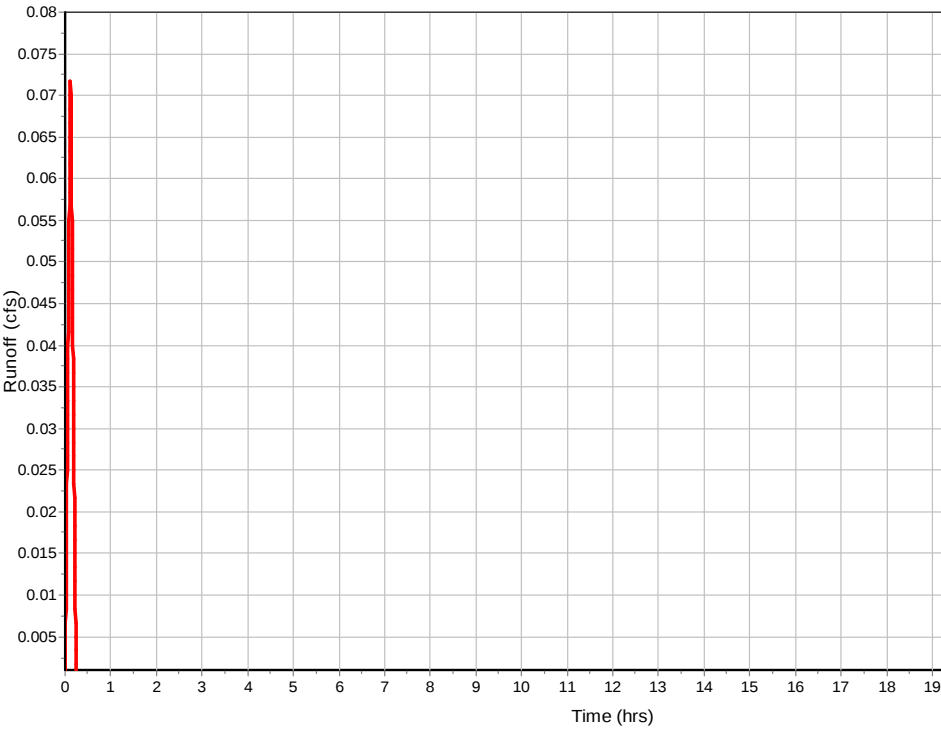
Flow Length (ft)	500
Slope (%)	0.5
Computed TOC (min)	7.18

Subbasin Runoff Results

Total Rainfall (in)	0.24
Total Runoff (in)	0.17
Peak Runoff (cfs)	0.07
Rainfall Intensity	1.99
Weighted Runoff Coefficient	0.72
Time of Concentration (days hh:mm:ss)	0 00:07:11

Subbasin : Sub-07

Runoff Hydrograph



Subbasin : Sub-08

Input Data

Area (ac)	0.05
Weighted Runoff Coefficient	0.72
Average Slope (%)	0.5
Flow Length (ft)	500

Runoff Coefficient

	Area	Soil	Runoff
Soil/Surface Description	(acres)	Group	Coeff.
-	0.05	-	0.72
Composite Area & Weighted Runoff Coeff.	0.05		0.72

Time of Concentration

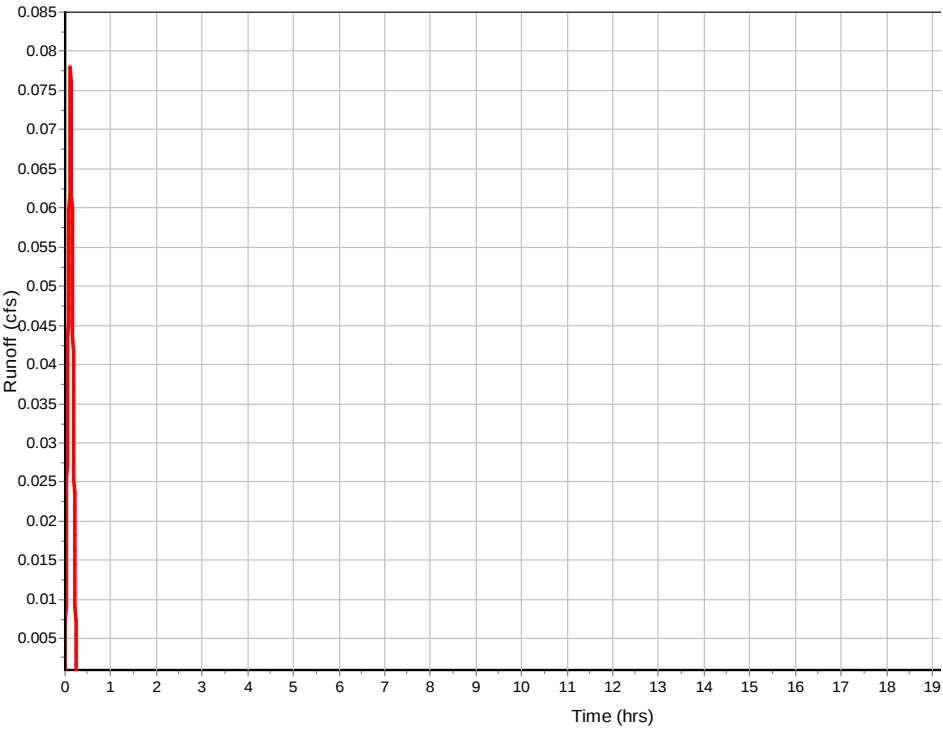
Flow Length (ft)	500
Slope (%)	0.5
Computed TOC (min)	7.18

Subbasin Runoff Results

Total Rainfall (in)	0.24
Total Runoff (in)	0.17
Peak Runoff (cfs)	0.08
Rainfall Intensity	1.99
Weighted Runoff Coefficient	0.72
Time of Concentration (days hh:mm:ss)	0 00:07:11

Subbasin : Sub-08

Runoff Hydrograph



Subbasin : Sub-09

Input Data

Area (ac)	0.05
Weighted Runoff Coefficient	0.72
Average Slope (%)	0.5
Flow Length (ft)	500

Runoff Coefficient

Soil/Surface Description	Area (acres)	Soil Group	Runoff Coeff.
-	0.05	-	0.72
Composite Area & Weighted Runoff Coeff.	0.05		0.72

Time of Concentration

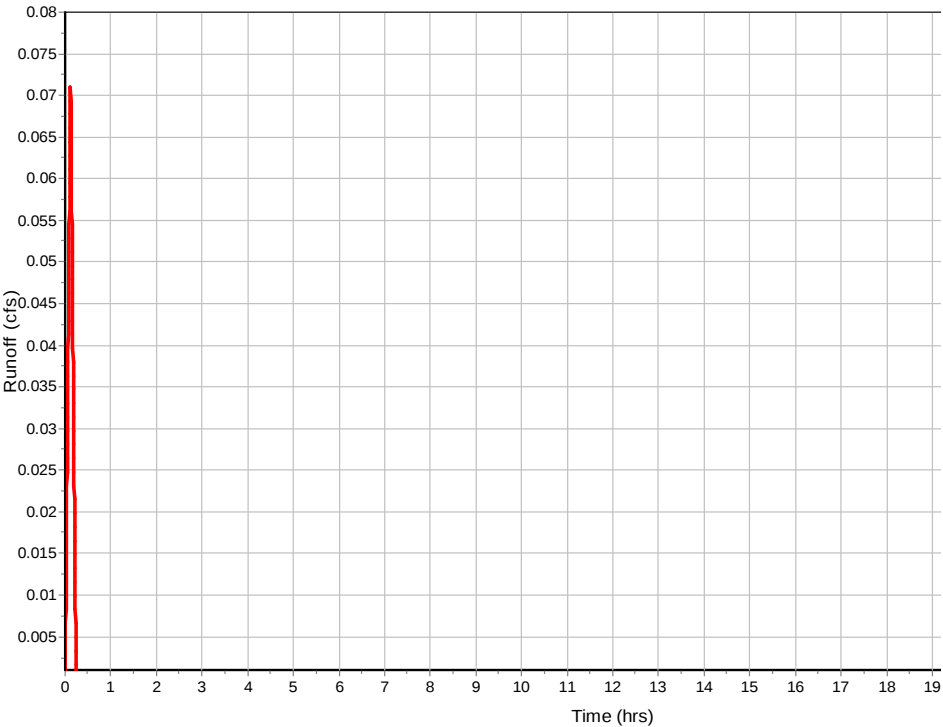
Flow Length (ft)	500
Slope (%)	0.5
Computed TOC (min)	7.18

Subbasin Runoff Results

Total Rainfall (in)	0.24
Total Runoff (in)	0.17
Peak Runoff (cfs)	0.07
Rainfall Intensity	1.99
Weighted Runoff Coefficient	0.72
Time of Concentration (days hh:mm:ss)	0 00:07:11

Subbasin : Sub-09

Runoff Hydrograph



Subbasin : Sub-10

Input Data

Area (ac)	0.05
Weighted Runoff Coefficient	0.72
Average Slope (%)	0.5
Flow Length (ft)	500

Runoff Coefficient

Soil/Surface Description	Area (acres)	Soil Group	Runoff Coeff.
-	0.05	-	0.72
Composite Area & Weighted Runoff Coeff.	0.05		0.72

Time of Concentration

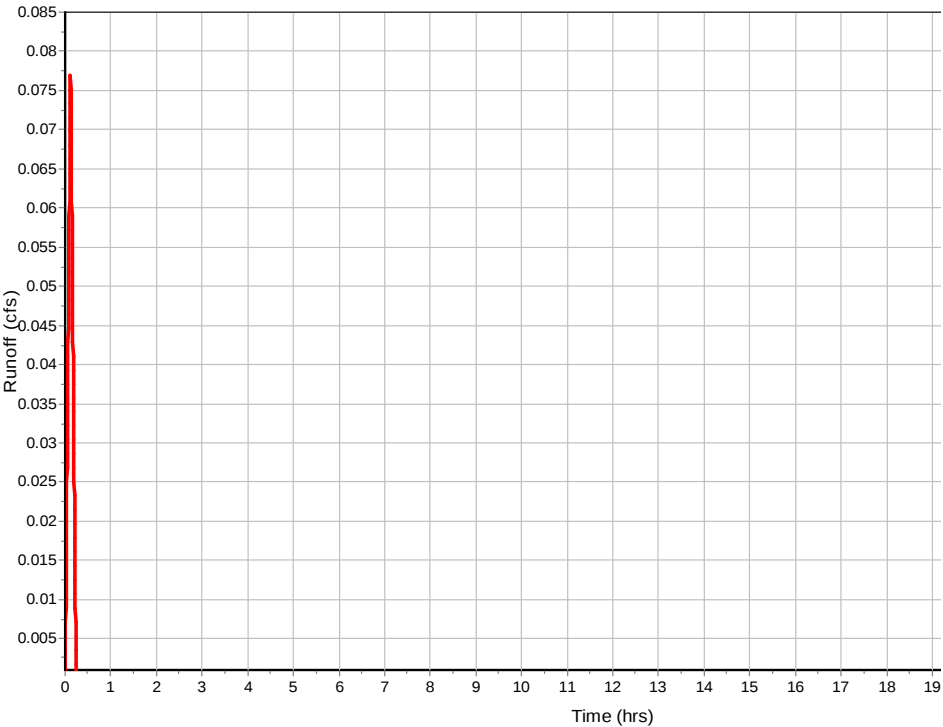
Flow Length (ft)	500
Slope (%)	0.5
Computed TOC (min)	7.18

Subbasin Runoff Results

Total Rainfall (in)	0.24
Total Runoff (in)	0.17
Peak Runoff (cfs)	0.08
Rainfall Intensity	1.99
Weighted Runoff Coefficient	0.72
Time of Concentration (days hh:mm:ss)	0 00:07:11

Subbasin : Sub-10

Runoff Hydrograph



Subbasin : Sub-11

Input Data

Area (ac)	0.06
Weighted Runoff Coefficient	0.72
Average Slope (%)	0.5
Flow Length (ft)	500

Runoff Coefficient

	Area	Soil	Runoff
Soil/Surface Description	(acres)	Group	Coeff.
-	0.06	-	0.72
Composite Area & Weighted Runoff Coeff.	0.06		0.72

Time of Concentration

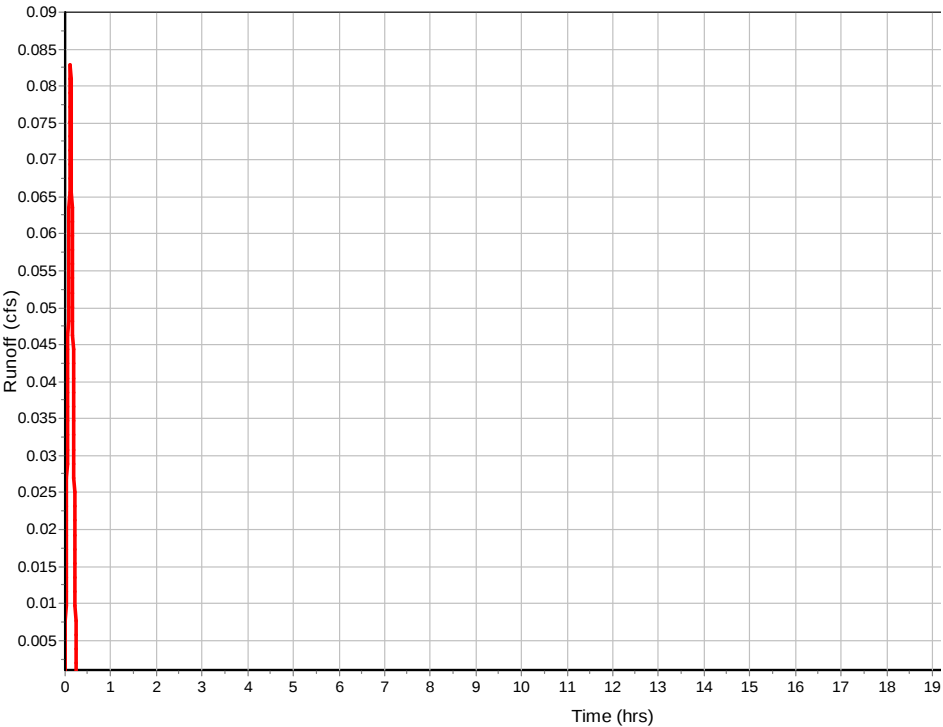
Flow Length (ft)	500
Slope (%)	0.5
Computed TOC (min)	7.18

Subbasin Runoff Results

Total Rainfall (in)	0.24
Total Runoff (in)	0.17
Peak Runoff (cfs)	0.08
Rainfall Intensity	1.99
Weighted Runoff Coefficient	0.72
Time of Concentration (days hh:mm:ss)	0 00:07:11

Subbasin : Sub-11

Runoff Hydrograph



Subbasin : Sub-12

Input Data

Area (ac)	0.05
Weighted Runoff Coefficient	0.72
Average Slope (%)	0.5
Flow Length (ft)	500

Runoff Coefficient

Soil/Surface Description	Area (acres)	Soil Group	Runoff Coeff.
-	0.05	-	0.72
Composite Area & Weighted Runoff Coeff.	0.05		0.72

Time of Concentration

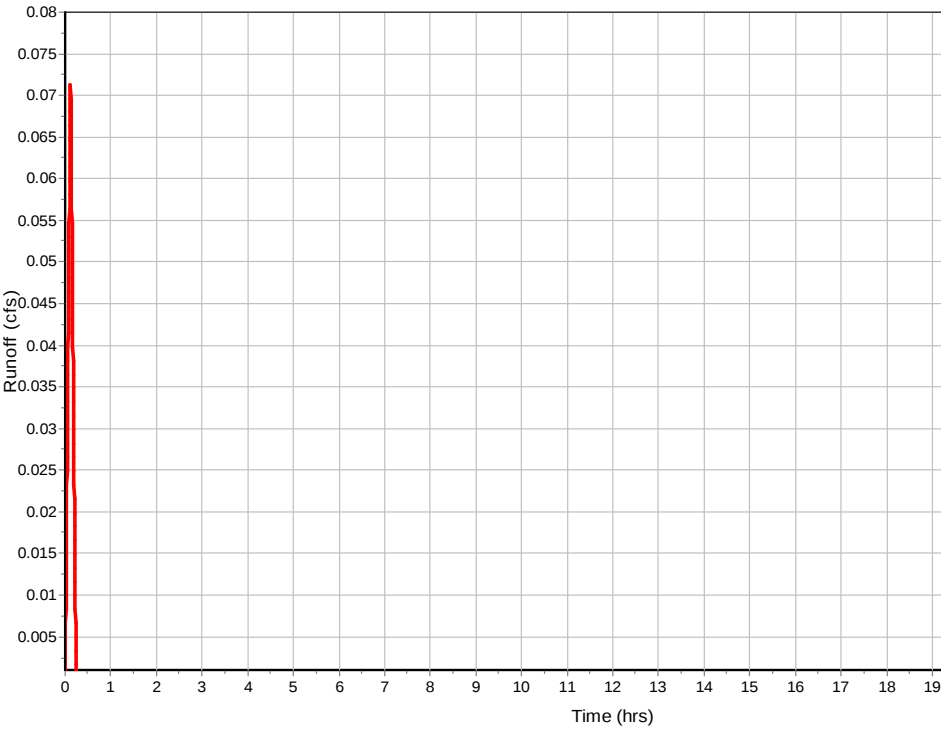
Flow Length (ft)	500
Slope (%)	0.5
Computed TOC (min)	7.18

Subbasin Runoff Results

Total Rainfall (in)	0.24
Total Runoff (in)	0.17
Peak Runoff (cfs)	0.07
Rainfall Intensity	1.99
Weighted Runoff Coefficient	0.72
Time of Concentration (days hh:mm:ss)	0 00:07:11

Subbasin : Sub-12

Runoff Hydrograph



Subbasin : Sub-13

Input Data

Area (ac)	0.04
Weighted Runoff Coefficient	0.72
Average Slope (%)	0.5
Flow Length (ft)	500

Runoff Coefficient

	Area	Soil	Runoff
Soil/Surface Description	(acres)	Group	Coeff.
-	0.04	-	0.72
Composite Area & Weighted Runoff Coeff.	0.04		0.72

Time of Concentration

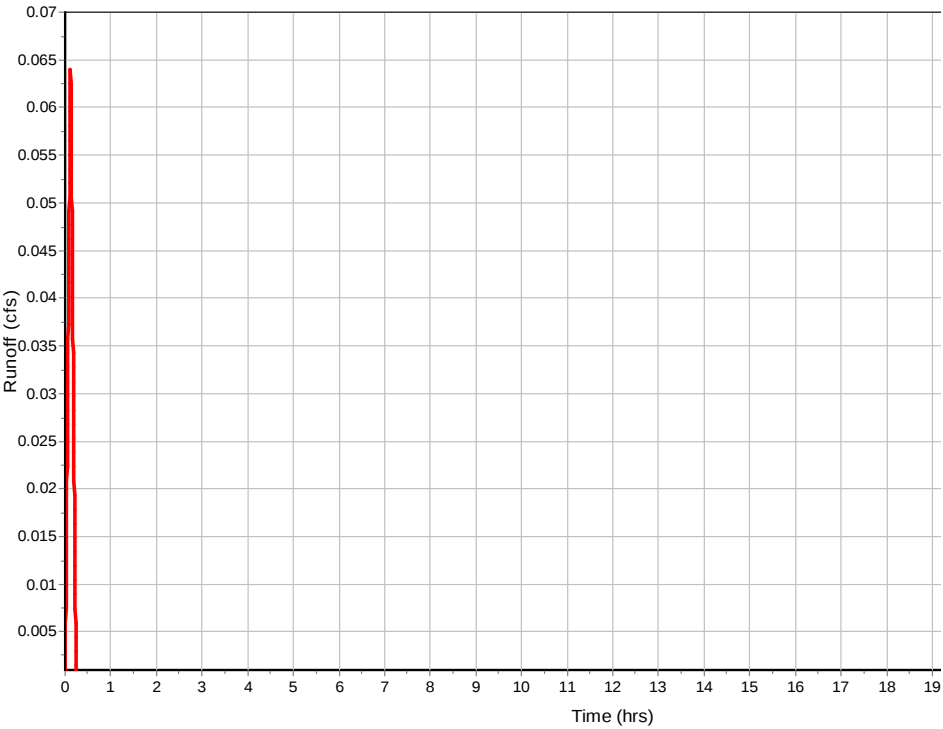
Flow Length (ft)	500
Slope (%)	0.5
Computed TOC (min)	7.18

Subbasin Runoff Results

Total Rainfall (in)	0.24
Total Runoff (in)	0.17
Peak Runoff (cfs)	0.06
Rainfall Intensity	1.99
Weighted Runoff Coefficient	0.72
Time of Concentration (days hh:mm:ss)	0 00:07:11

Subbasin : Sub-13

Runoff Hydrograph



Subbasin : Sub-14

Input Data

Area (ac)	0.07
Weighted Runoff Coefficient	0.72
Average Slope (%)	0.5
Flow Length (ft)	500

Runoff Coefficient

Soil/Surface Description	Area (acres)	Soil Group	Runoff Coeff.
-	0.07	-	0.72
Composite Area & Weighted Runoff Coeff.	0.07		0.72

Time of Concentration

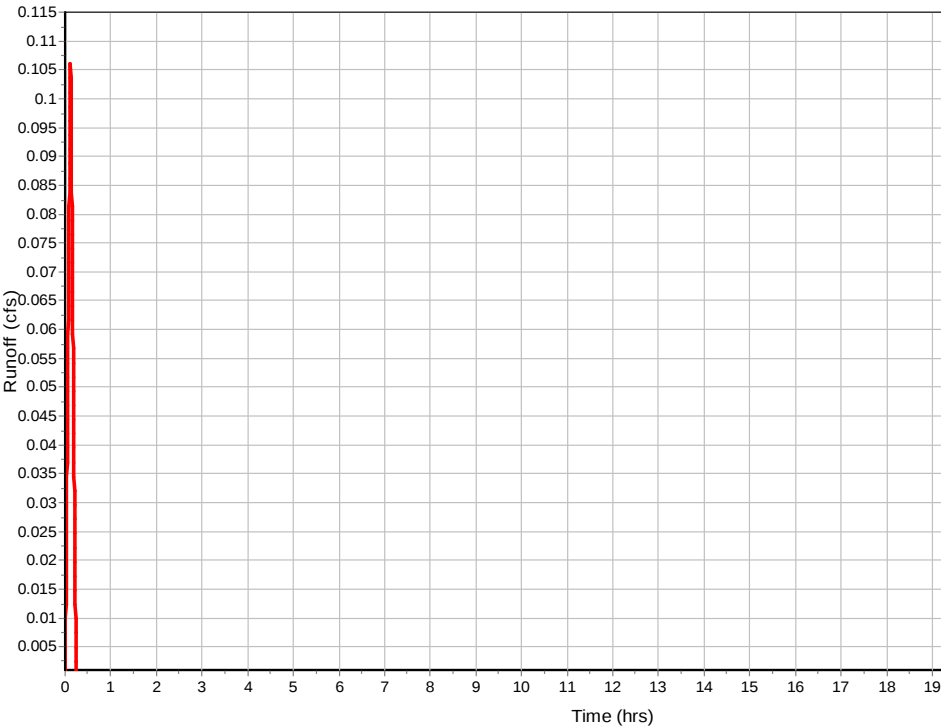
Flow Length (ft)	500
Slope (%)	0.5
Computed TOC (min)	7.18

Subbasin Runoff Results

Total Rainfall (in)	0.24
Total Runoff (in)	0.17
Peak Runoff (cfs)	0.11
Rainfall Intensity	1.99
Weighted Runoff Coefficient	0.72
Time of Concentration (days hh:mm:ss)	0 00:07:11

Subbasin : Sub-14

Runoff Hydrograph



Subbasin : Sub-15

Input Data

Area (ac) 0.04
Weighted Runoff Coefficient 0.72
Average Slope (%) 0.5
Flow Length (ft) 500

Runoff Coefficient

Soil/Surface Description	Area (acres)	Soil Group	Runoff Coeff.
-	0.04	-	0.72
Composite Area & Weighted Runoff Coeff.	0.04		0.72

Time of Concentration

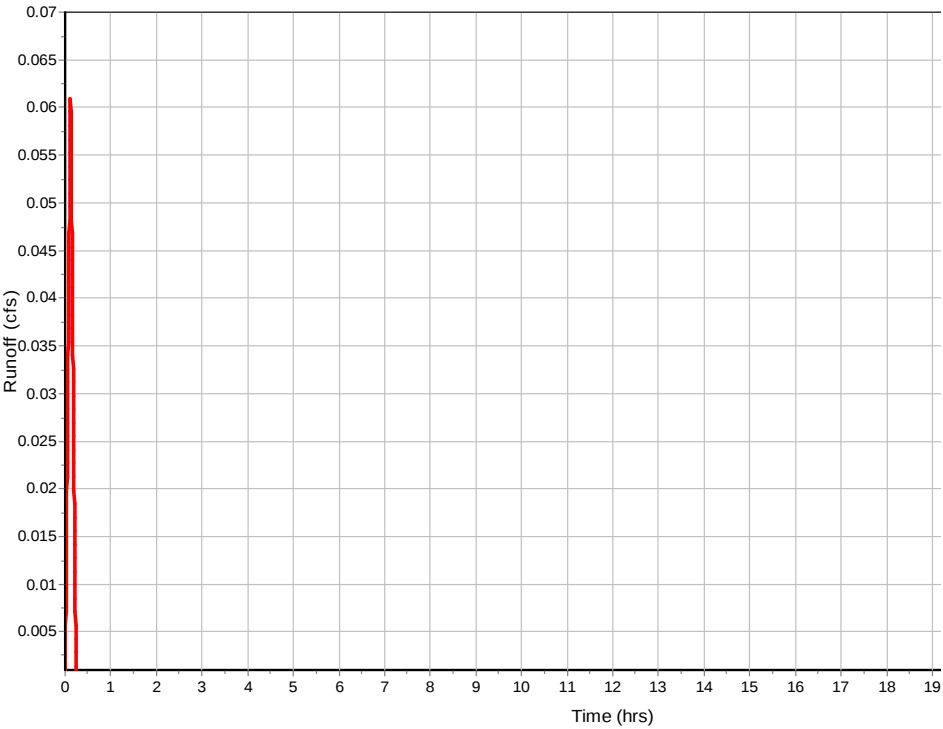
Flow Length (ft) 500
Slope (%) 0.5
Computed TOC (min) 7.18

Subbasin Runoff Results

Total Rainfall (in) 0.24
Total Runoff (in) 0.17
Peak Runoff (cfs) 0.06
Rainfall Intensity 1.99
Weighted Runoff Coefficient 0.72
Time of Concentration (days hh:mm:ss) 0 00:07:11

Subbasin : Sub-15

Runoff Hydrograph



Subbasin : Sub-16

Input Data

Area (ac)	0.06
Weighted Runoff Coefficient	0.72
Average Slope (%)	0.5
Flow Length (ft)	500

Runoff Coefficient

	Area	Soil	Runoff
Soil/Surface Description	(acres)	Group	Coeff.
-	0.06	-	0.72
Composite Area & Weighted Runoff Coeff.	0.06		0.72

Time of Concentration

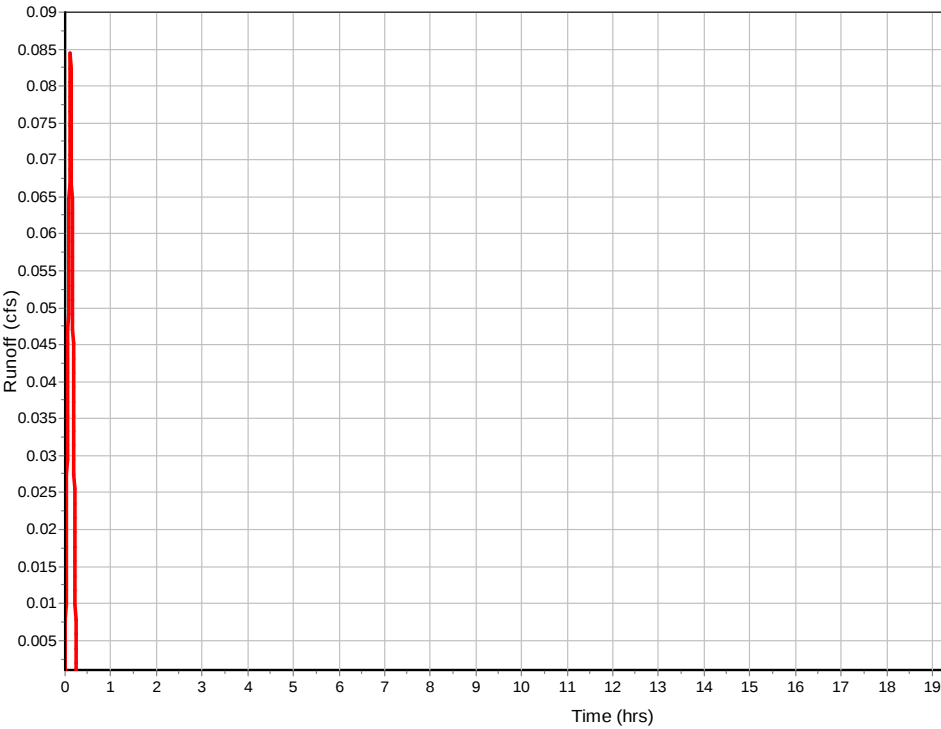
Flow Length (ft)	500
Slope (%)	0.5
Computed TOC (min)	7.18

Subbasin Runoff Results

Total Rainfall (in)	0.24
Total Runoff (in)	0.17
Peak Runoff (cfs)	0.08
Rainfall Intensity	1.99
Weighted Runoff Coefficient	0.72
Time of Concentration (days hh:mm:ss)	0 00:07:11

Subbasin : Sub-16

Runoff Hydrograph



Subbasin : Sub-17

Input Data

Area (ac)	0.01
Weighted Runoff Coefficient	0.72
Average Slope (%)	0.5
Flow Length (ft)	500

Runoff Coefficient

	Area	Soil	Runoff
Soil/Surface Description	(acres)	Group	Coeff.
-	0.01	-	0.72
Composite Area & Weighted Runoff Coeff.	0.01		0.72

Time of Concentration

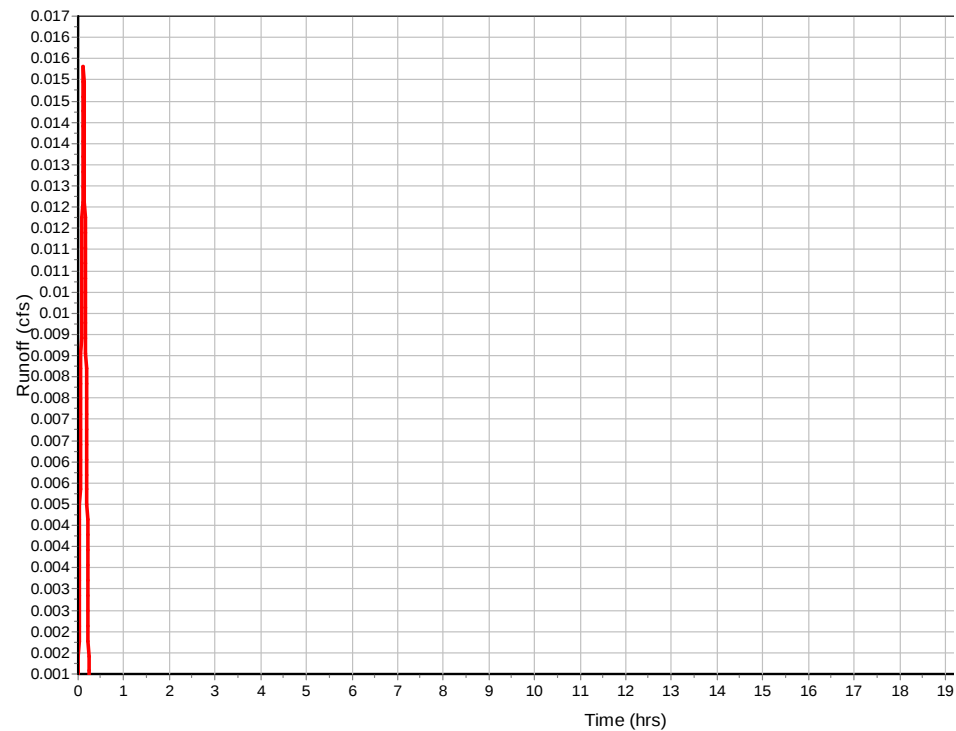
Flow Length (ft)	500
Slope (%)	0.5
Computed TOC (min)	7.18

Subbasin Runoff Results

Total Rainfall (in)	0.24
Total Runoff (in)	0.17
Peak Runoff (cfs)	0.02
Rainfall Intensity	1.99
Weighted Runoff Coefficient	0.72
Time of Concentration (days hh:mm:ss)	0 00:07:11

Subbasin : Sub-17

Runoff Hydrograph



Subbasin : Sub-18

Input Data

Area (ac)	0.05
Weighted Runoff Coefficient	0.72
Average Slope (%)	0.5
Flow Length (ft)	500

Runoff Coefficient

	Area	Soil	Runoff
Soil/Surface Description	(acres)	Group	Coeff.
-	0.05	-	0.72
Composite Area & Weighted Runoff Coeff.	0.05		0.72

Time of Concentration

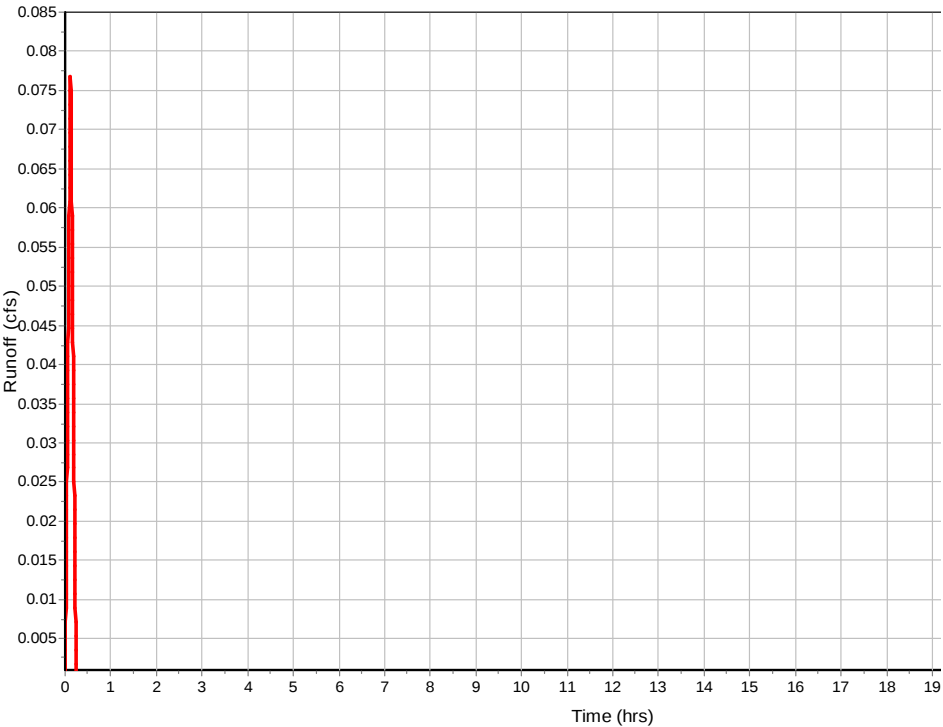
Flow Length (ft)	500
Slope (%)	0.5
Computed TOC (min)	7.18

Subbasin Runoff Results

Total Rainfall (in)	0.24
Total Runoff (in)	0.17
Peak Runoff (cfs)	0.08
Rainfall Intensity	1.99
Weighted Runoff Coefficient	0.72
Time of Concentration (days hh:mm:ss)	0 00:07:11

Subbasin : Sub-18

Runoff Hydrograph



Subbasin : Sub-19

Input Data

Area (ac)	0.01
Weighted Runoff Coefficient	0.72
Average Slope (%)	0.5
Flow Length (ft)	500

Runoff Coefficient

	Area	Soil	Runoff
Soil/Surface Description	(acres)	Group	Coeff.
-	0.01	-	0.72
Composite Area & Weighted Runoff Coeff.	0.01		0.72

Time of Concentration

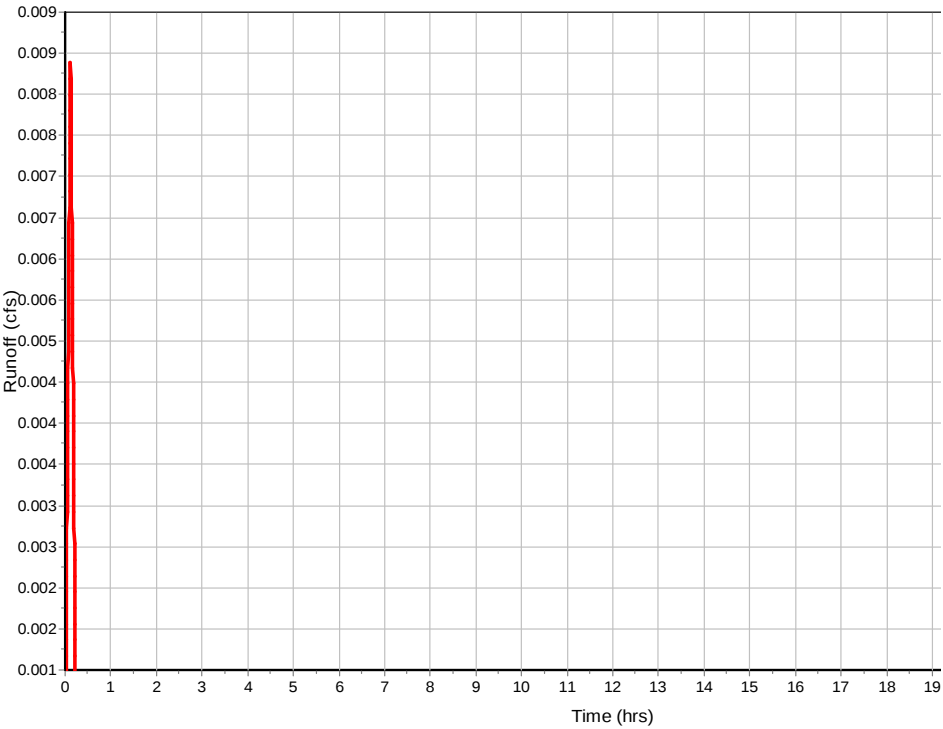
Flow Length (ft)	500
Slope (%)	0.5
Computed TOC (min)	7.18

Subbasin Runoff Results

Total Rainfall (in)	0.24
Total Runoff (in)	0.17
Peak Runoff (cfs)	0.01
Rainfall Intensity	1.99
Weighted Runoff Coefficient	0.72
Time of Concentration (days hh:mm:ss)	0 00:07:11

Subbasin : Sub-19

Runoff Hydrograph



Subbasin : Sub-20

Input Data

Area (ac)	0.09
Weighted Runoff Coefficient	0.72
Average Slope (%)	0.5
Flow Length (ft)	500

Runoff Coefficient

	Area	Soil	Runoff
Soil/Surface Description	(acres)	Group	Coeff.
-	0.09	-	0.72
Composite Area & Weighted Runoff Coeff.	0.09		0.72

Time of Concentration

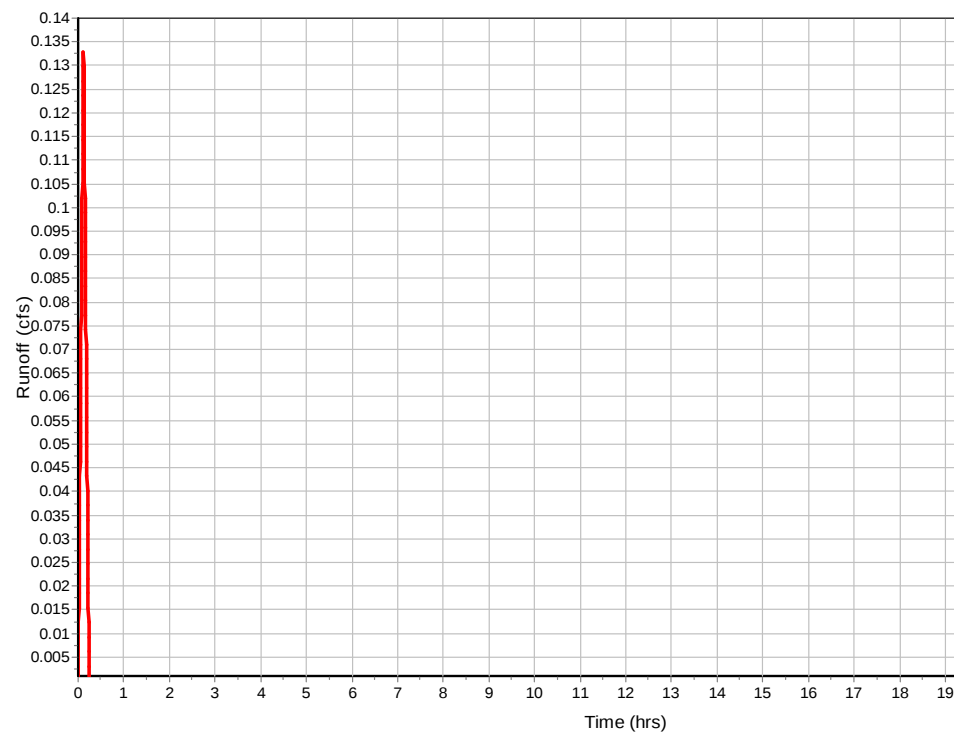
Flow Length (ft)	500
Slope (%)	0.5
Computed TOC (min)	7.18

Subbasin Runoff Results

Total Rainfall (in)	0.24
Total Runoff (in)	0.17
Peak Runoff (cfs)	0.13
Rainfall Intensity	1.99
Weighted Runoff Coefficient	0.72
Time of Concentration (days hh:mm:ss)	0 00:07:11

Subbasin : Sub-20

Runoff Hydrograph



Subbasin : Sub-21

Input Data

Area (ac)	0
Weighted Runoff Coefficient	0.72
Average Slope (%)	0.5
Flow Length (ft)	500

Runoff Coefficient

	Area	Soil	Runoff
Soil/Surface Description	(acres)	Group	Coeff.
-	0	-	0.72
Composite Area & Weighted Runoff Coeff.	0		0.72

Time of Concentration

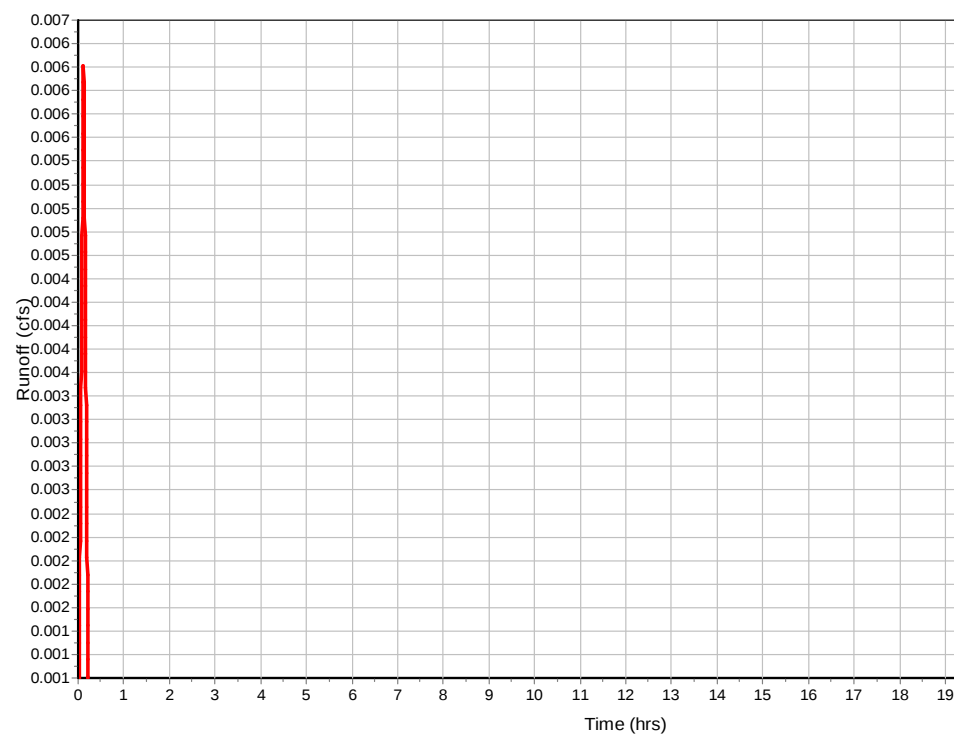
Flow Length (ft)	500
Slope (%)	0.5
Computed TOC (min)	7.18

Subbasin Runoff Results

Total Rainfall (in)	0.24
Total Runoff (in)	0.17
Peak Runoff (cfs)	0.01
Rainfall Intensity	1.99
Weighted Runoff Coefficient	0.72
Time of Concentration (days hh:mm:ss)	0 00:07:11

Subbasin : Sub-21

Runoff Hydrograph



Subbasin : Sub-22

Input Data

Area (ac)	0.05
Weighted Runoff Coefficient	0.72
Average Slope (%)	0.5
Flow Length (ft)	500

Runoff Coefficient

	Area	Soil	Runoff
Soil/Surface Description	(acres)	Group	Coeff.
-	0.05	-	0.72
Composite Area & Weighted Runoff Coeff.	0.05		0.72

Time of Concentration

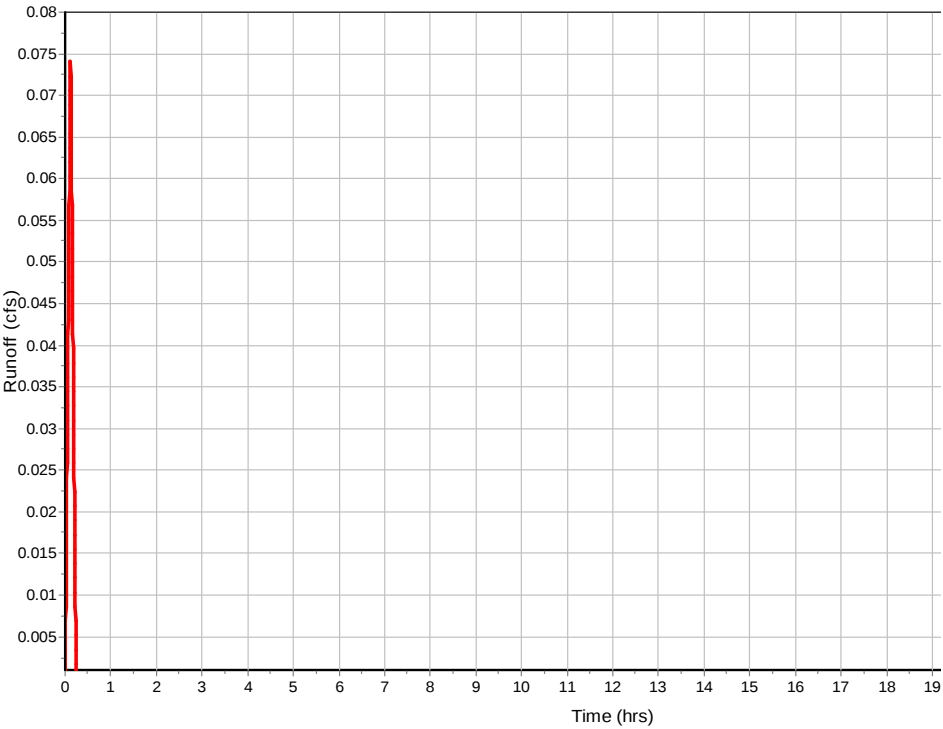
Flow Length (ft)	500
Slope (%)	0.5
Computed TOC (min)	7.18

Subbasin Runoff Results

Total Rainfall (in)	0.24
Total Runoff (in)	0.17
Peak Runoff (cfs)	0.07
Rainfall Intensity	1.99
Weighted Runoff Coefficient	0.72
Time of Concentration (days hh:mm:ss)	0 00:07:11

Subbasin : Sub-22

Runoff Hydrograph



Subbasin : Sub-23

Input Data

Area (ac)	0.04
Weighted Runoff Coefficient	0.72
Average Slope (%)	0.5
Flow Length (ft)	500

Runoff Coefficient

	Area	Soil	Runoff
Soil/Surface Description	(acres)	Group	Coeff.
-	0.04	-	0.72
Composite Area & Weighted Runoff Coeff.	0.04		0.72

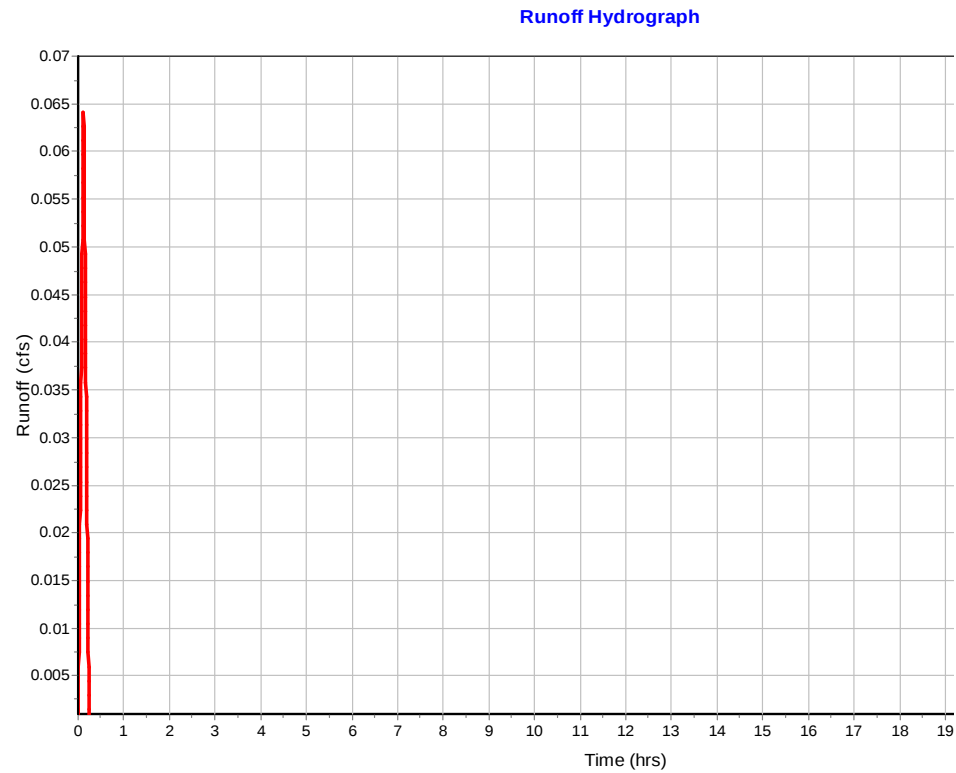
Time of Concentration

Flow Length (ft)	500
Slope (%)	0.5
Computed TOC (min)	7.18

Subbasin Runoff Results

Total Rainfall (in)	0.24
Total Runoff (in)	0.17
Peak Runoff (cfs)	0.06
Rainfall Intensity	1.99
Weighted Runoff Coefficient	0.72
Time of Concentration (days hh:mm:ss)	0 00:07:11

Subbasin : Sub-23



Subbasin : Sub-24

Input Data

Area (ac)	0.07
Weighted Runoff Coefficient	0.72
Average Slope (%)	0.5
Flow Length (ft)	500

Runoff Coefficient

	Area	Soil	Runoff
Soil/Surface Description	(acres)	Group	Coeff.
-	0.07	-	0.72
Composite Area & Weighted Runoff Coeff.	0.07		0.72

Time of Concentration

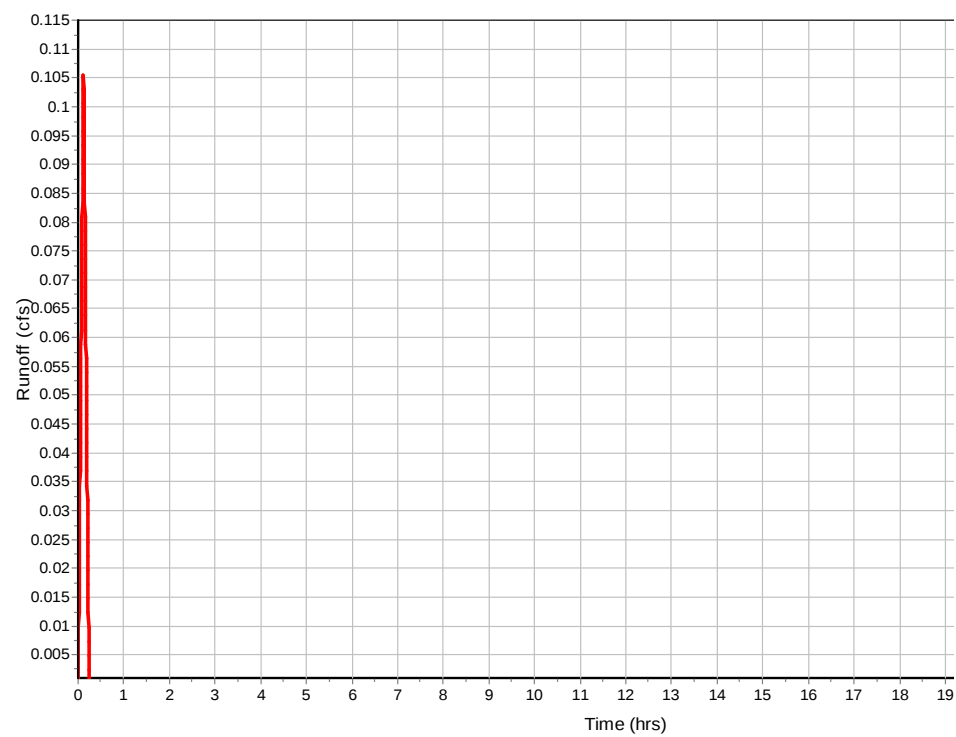
Flow Length (ft)	500
Slope (%)	0.5
Computed TOC (min)	7.18

Subbasin Runoff Results

Total Rainfall (in)	0.24
Total Runoff (in)	0.17
Peak Runoff (cfs)	0.11
Rainfall Intensity	1.99
Weighted Runoff Coefficient	0.72
Time of Concentration (days hh:mm:ss)	0 00:07:11

Subbasin : Sub-24

Runoff Hydrograph



Subbasin : Sub-25

Input Data

Area (ac)	0.04
Weighted Runoff Coefficient	0.72
Average Slope (%)	0.5
Flow Length (ft)	500

Runoff Coefficient

	Area	Soil	Runoff
Soil/Surface Description	(acres)	Group	Coeff.
-	0.04	-	0.72
Composite Area & Weighted Runoff Coeff.	0.04		0.72

Time of Concentration

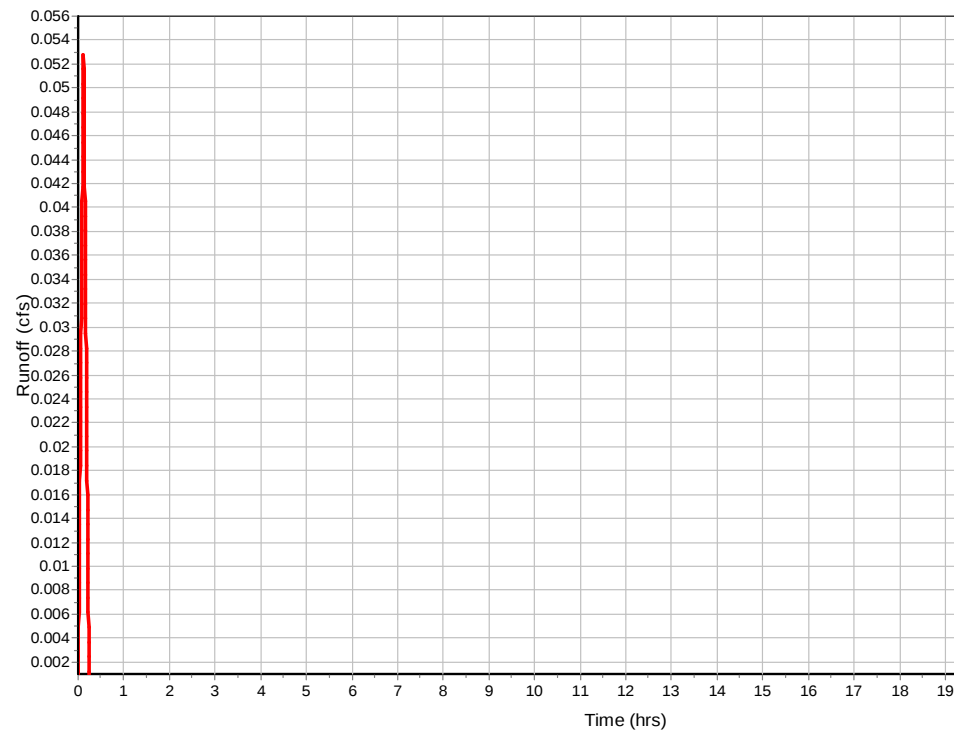
Flow Length (ft)	500
Slope (%)	0.5
Computed TOC (min)	7.18

Subbasin Runoff Results

Total Rainfall (in)	0.24
Total Runoff (in)	0.17
Peak Runoff (cfs)	0.05
Rainfall Intensity	1.99
Weighted Runoff Coefficient	0.72
Time of Concentration (days hh:mm:ss)	0 00:07:11

Subbasin : Sub-25

Runoff Hydrograph



Subbasin : Sub-26

Input Data

Area (ac)	0.06
Weighted Runoff Coefficient	0.72
Average Slope (%)	0.5
Flow Length (ft)	500

Runoff Coefficient

	Area	Soil	Runoff
Soil/Surface Description	(acres)	Group	Coeff.
-	0.06	-	0.72
Composite Area & Weighted Runoff Coeff.	0.06		0.72

Time of Concentration

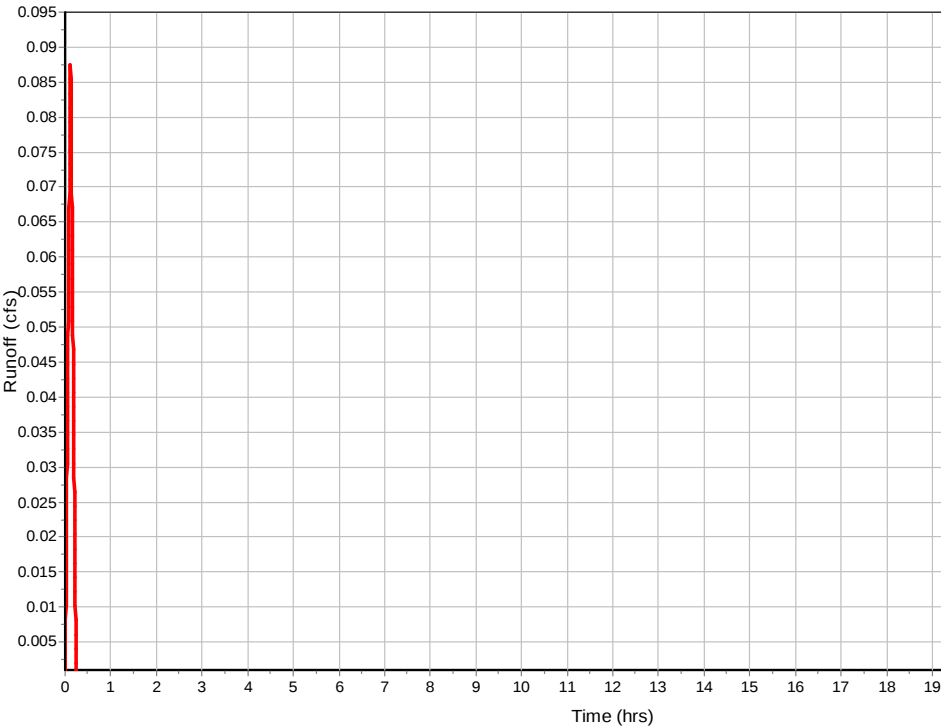
Flow Length (ft)	500
Slope (%)	0.5
Computed TOC (min)	7.18

Subbasin Runoff Results

Total Rainfall (in)	0.24
Total Runoff (in)	0.17
Peak Runoff (cfs)	0.09
Rainfall Intensity	1.99
Weighted Runoff Coefficient	0.72
Time of Concentration (days hh:mm:ss)	0 00:07:11

Subbasin : Sub-26

Runoff Hydrograph



Subbasin : Sub-27

Input Data

Area (ac)	0.04
Weighted Runoff Coefficient	0.72
Average Slope (%)	0.5
Flow Length (ft)	500

Runoff Coefficient

	Area	Soil	Runoff
Soil/Surface Description	(acres)	Group	Coeff.
-	0.04	-	0.72
Composite Area & Weighted Runoff Coeff.	0.04		0.72

Time of Concentration

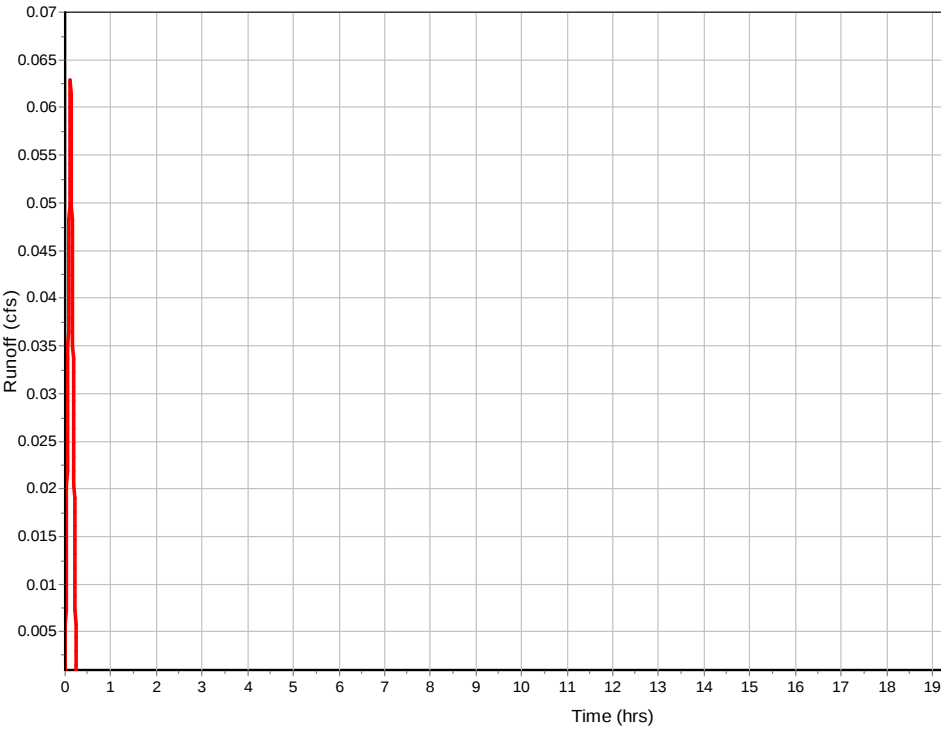
Flow Length (ft)	500
Slope (%)	0.5
Computed TOC (min)	7.18

Subbasin Runoff Results

Total Rainfall (in)	0.24
Total Runoff (in)	0.17
Peak Runoff (cfs)	0.06
Rainfall Intensity	1.99
Weighted Runoff Coefficient	0.72
Time of Concentration (days hh:mm:ss)	0 00:07:11

Subbasin : Sub-27

Runoff Hydrograph



Subbasin : Sub-28

Input Data

Area (ac)	0.05
Weighted Runoff Coefficient	0.72
Average Slope (%)	0.5
Flow Length (ft)	500

Runoff Coefficient

	Area	Soil	Runoff
Soil/Surface Description	(acres)	Group	Coeff.
-	0.05	-	0.72
Composite Area & Weighted Runoff Coeff.	0.05		0.72

Time of Concentration

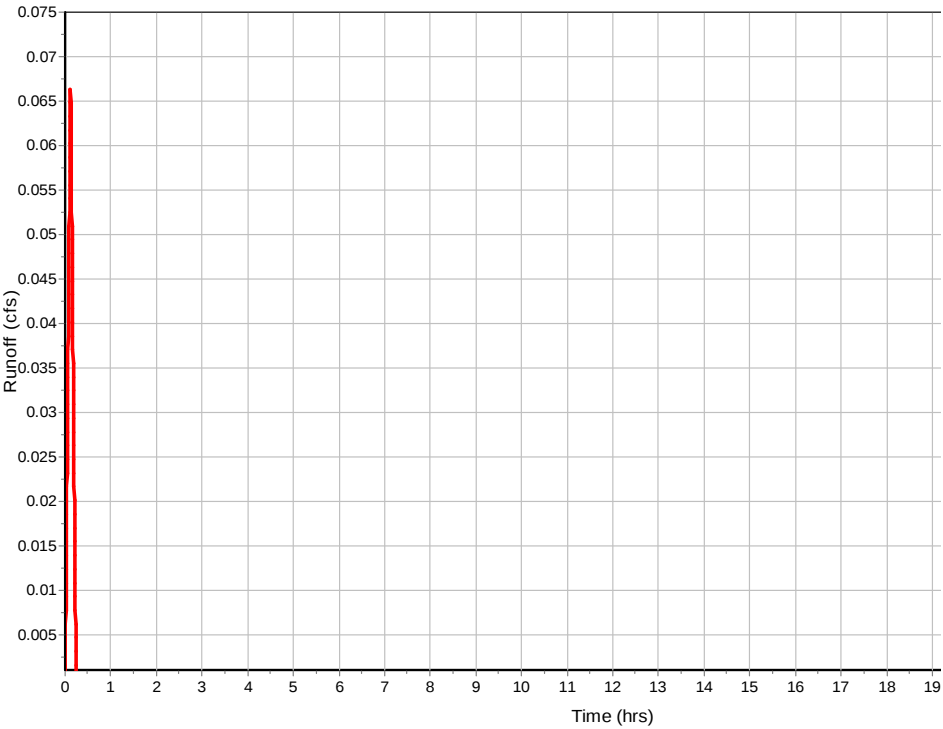
Flow Length (ft)	500
Slope (%)	0.5
Computed TOC (min)	7.18

Subbasin Runoff Results

Total Rainfall (in)	0.24
Total Runoff (in)	0.17
Peak Runoff (cfs)	0.07
Rainfall Intensity	1.99
Weighted Runoff Coefficient	0.72
Time of Concentration (days hh:mm:ss)	0 00:07:11

Subbasin : Sub-28

Runoff Hydrograph



Subbasin : Sub-29

Input Data

Area (ac)	0.03
Weighted Runoff Coefficient	0.72
Average Slope (%)	0.5
Flow Length (ft)	500

Runoff Coefficient

	Area	Soil	Runoff
Soil/Surface Description	(acres)	Group	Coeff.
-	0.03	-	0.72
Composite Area & Weighted Runoff Coeff.	0.03		0.72

Time of Concentration

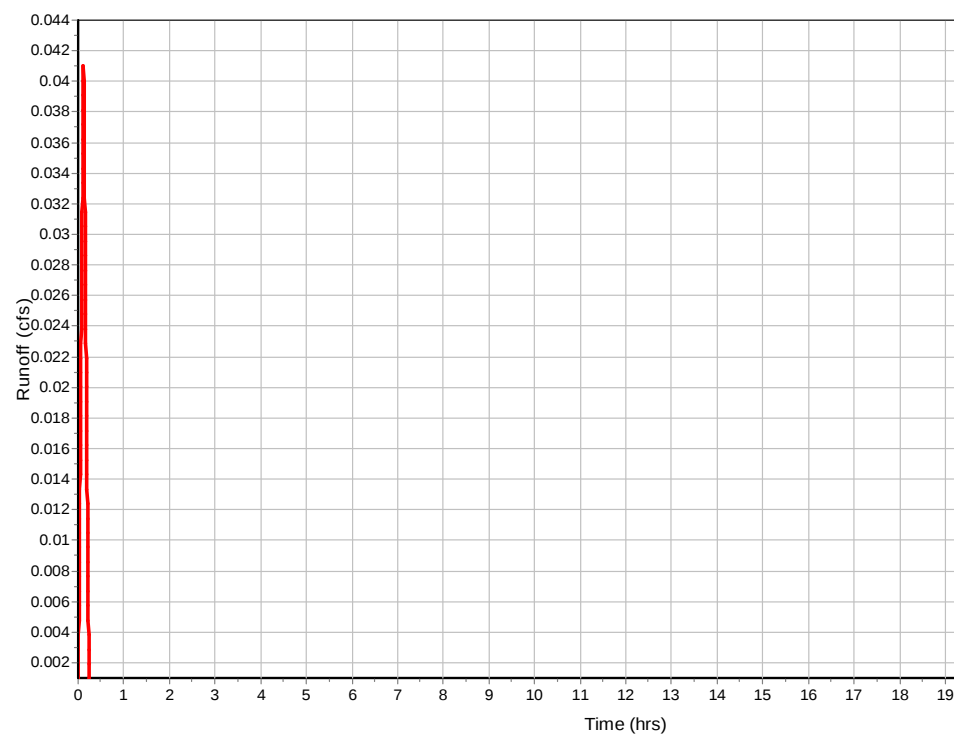
Flow Length (ft)	500
Slope (%)	0.5
Computed TOC (min)	7.18

Subbasin Runoff Results

Total Rainfall (in)	0.24
Total Runoff (in)	0.17
Peak Runoff (cfs)	0.04
Rainfall Intensity	1.99
Weighted Runoff Coefficient	0.72
Time of Concentration (days hh:mm:ss)	0 00:07:11

Subbasin : Sub-29

Runoff Hydrograph



Subbasin : Sub-30

Input Data

Area (ac)	0.03
Weighted Runoff Coefficient	0.72
Average Slope (%)	0.5
Flow Length (ft)	500

Runoff Coefficient

	Area	Soil	Runoff
Soil/Surface Description	(acres)	Group	Coeff.
-	0.03	-	0.72
Composite Area & Weighted Runoff Coeff.	0.03		0.72

Time of Concentration

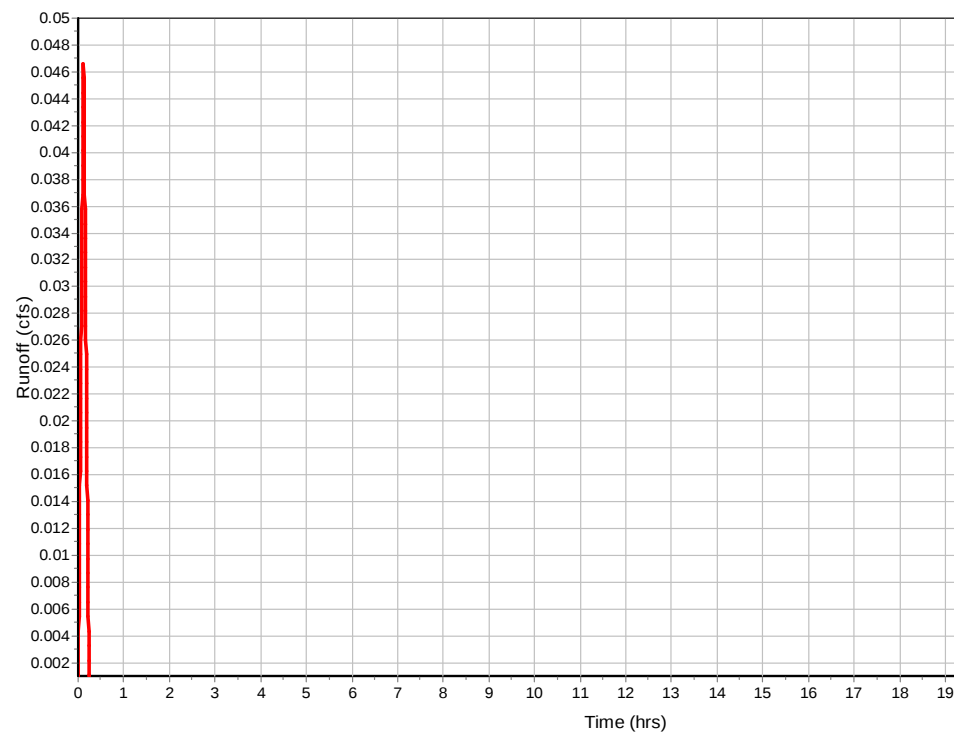
Flow Length (ft)	500
Slope (%)	0.5
Computed TOC (min)	7.18

Subbasin Runoff Results

Total Rainfall (in)	0.24
Total Runoff (in)	0.17
Peak Runoff (cfs)	0.05
Rainfall Intensity	1.99
Weighted Runoff Coefficient	0.72
Time of Concentration (days hh:mm:ss)	0 00:07:11

Subbasin : Sub-30

Runoff Hydrograph



Subbasin : Sub-31

Input Data

Area (ac)	0.08
Weighted Runoff Coefficient	0.72
Average Slope (%)	0.5
Flow Length (ft)	500

Runoff Coefficient

	Area	Soil	Runoff
Soil/Surface Description	(acres)	Group	Coeff.
-	0.08	-	0.72
Composite Area & Weighted Runoff Coeff.	0.08		0.72

Time of Concentration

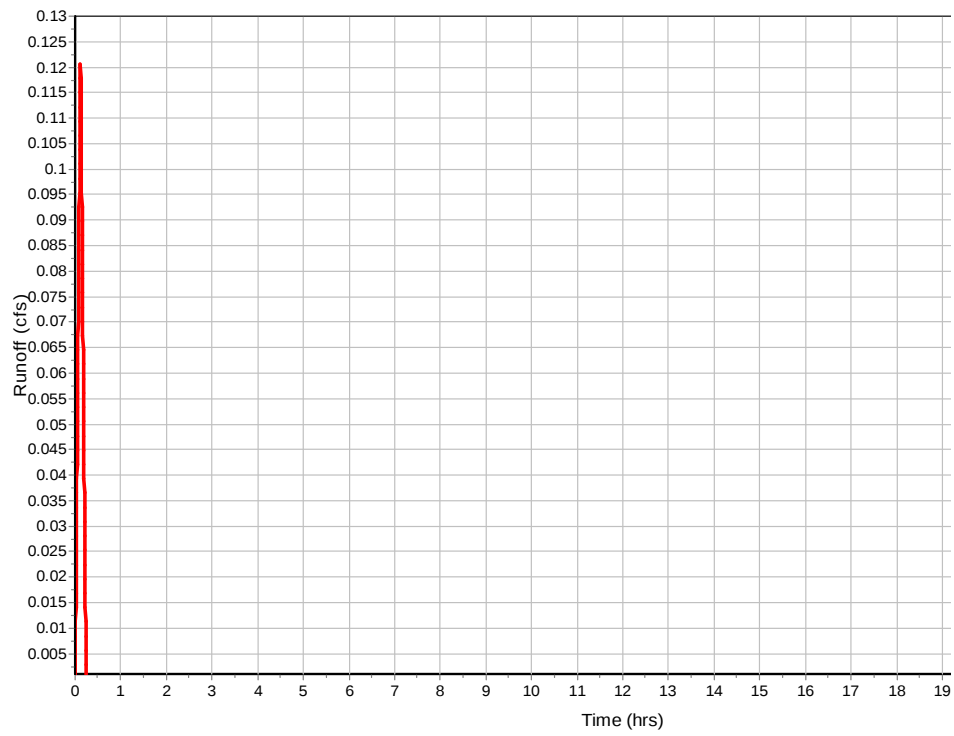
Flow Length (ft)	500
Slope (%)	0.5
Computed TOC (min)	7.18

Subbasin Runoff Results

Total Rainfall (in)	0.24
Total Runoff (in)	0.17
Peak Runoff (cfs)	0.12
Rainfall Intensity	1.99
Weighted Runoff Coefficient	0.72
Time of Concentration (days hh:mm:ss)	0 00:07:11

Subbasin : Sub-31

Runoff Hydrograph



Subbasin : Sub-32

Input Data

Area (ac)	0.01
Weighted Runoff Coefficient	0.72
Average Slope (%)	0.5
Flow Length (ft)	500

Runoff Coefficient

	Area	Soil	Runoff
Soil/Surface Description	(acres)	Group	Coeff.
-	0.01	-	0.72
Composite Area & Weighted Runoff Coeff.	0.01		0.72

Time of Concentration

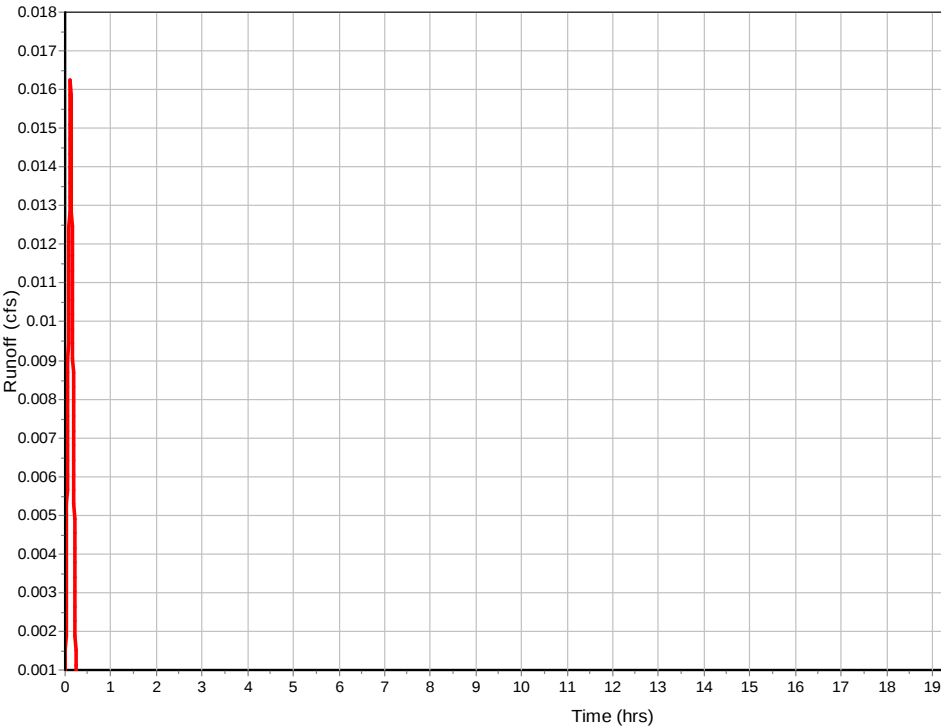
Flow Length (ft)	500
Slope (%)	0.5
Computed TOC (min)	7.18

Subbasin Runoff Results

Total Rainfall (in)	0.24
Total Runoff (in)	0.17
Peak Runoff (cfs)	0.02
Rainfall Intensity	1.99
Weighted Runoff Coefficient	0.72
Time of Concentration (days hh:mm:ss)	0 00:07:11

Subbasin : Sub-32

Runoff Hydrograph



Junction Input

SN	Element	Invert	Ground/Rim	Ground/Rim	Initial	Initial	Surcharge	Surcharge	Ponded	Minimum
	ID	Elevation	(Max)	(Max)	Water	Water	Elevation	Depth	Area	Pipe
		(ft)	Elevation	Offset	Elevation	Depth	(ft)	(ft)	(ft²)	Cover
			(ft)	(ft)	(ft)	(ft)				(in)
1	CB#7	1904.75	1907.74	2.99	0.00	-1904.75	0.00	-1907.74	0.00	
2	CB#9	1901.10	1905.50	4.40	0.00	-1901.10	0.00	-1905.50	0.00	

Junction Results

SN	Element	Peak	Peak	Max HGL	Max HGL	Max	Min	Average HGL	Average HGL	Time of	Time of
	ID	Inflow	Lateral	Elevation	Depth	Surcharge	Freeboard	Elevation	Depth	Max HGL	Peak
			Inflow	Attained	Attained	Depth	Attained	Attained	Attained	Occurrence	Flooding
		(cfs)	(cfs)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(days hh:mm)	(days hh:mm)
1	CB#7	0.00	0.00	1907.75	3.00	0.00	1.00	1907.75	3.00	0 00:00	0 00:00
2	CB#9	0.16	0.00	1905.50	4.40	0.00	1.00	1905.50	4.40	0 00:00	0 00:00

Channel Input

SN	Element ID	Length	Inlet Invert Elevation	Inlet Invert Offset	Outlet Invert Elevation	Outlet Invert Offset	Total Drop	Average Slope	Shape	Height	Width	Manning's Roughness	Entrance Losses	E
		(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(%)		(ft)	(ft)			
1	Link-15	372.55	1919.00	3.00	1905.50	4.40	13.50	3.6200	Rectangular	1.000	1.000	0.0320	0.5000	
2	Link-16	312.12	1916.50	3.00	1905.50	4.40	11.00	3.5200	Rectangular	1.000	1.000	0.0320	0.5000	
3	Link-17	252.21	1914.50	3.00	1905.50	4.40	9.00	3.5700	Rectangular	1.000	1.000	0.0320	0.5000	
4	Link-18	192.33	1912.25	3.00	1905.50	4.40	6.75	3.5100	Rectangular	1.000	1.000	0.0320	0.5000	
5	Link-19	131.74	1910.00	3.00	1905.50	4.40	4.50	3.4200	Rectangular	1.000	1.000	0.0320	0.5000	
6	Link-20	72.37	1908.00	5.00	1905.50	4.40	2.50	3.4500	Rectangular	1.000	1.000	0.0320	0.5000	
7	Link-21	9.49	1905.00	2.50	1901.10	0.00	3.90	41.1000	Rectangular	1.000	1.000	0.0320	0.5000	
8	Link-22	36.84	1905.00	3.00	1904.60	3.49	0.40	1.0900	Rectangular	1.000	1.000	0.0320	0.5000	
9	Link-23	87.58	1905.50	3.00	1904.16	3.05	1.34	1.5300	Rectangular	1.000	1.000	0.0320	0.5000	
10	Link-24	129.02	1906.00	3.00	1904.16	3.05	1.84	1.4300	Rectangular	1.000	1.000	0.0320	0.5000	
11	Link-25	180.11	1906.00	3.00	1904.16	3.05	1.84	1.0200	Rectangular	1.000	1.000	0.0320	0.5000	
12	Link-26	143.44	1911.00	3.00	1905.50	4.40	5.50	3.8300	Rectangular	1.000	1.000	0.0320	0.5000	
13	Link-27	155.51	1912.00	3.00	1907.74	2.99	4.26	2.7400	Rectangular	1.000	1.000	0.0320	0.5000	
14	Link-28	106.76	1911.00	3.00	1907.74	2.99	3.26	3.0500	Rectangular	1.000	1.000	0.0320	0.5000	
15	Link-29	91.90	1910.00	3.00	1907.74	2.99	2.26	2.4600	Rectangular	1.000	1.000	0.0320	0.5000	
16	Link-30	49.14	1909.00	3.00	1907.74	2.99	1.26	2.5600	Rectangular	1.000	1.000	0.0320	0.5000	
17	Link-31	72.79	1910.00	3.00	1907.74	2.99	2.26	3.1000	Rectangular	1.000	1.000	0.0320	0.5000	
18	Link-32	6.79	1908.00	3.00	1907.75	3.00	0.25	3.6800	Rectangular	1.000	1.000	0.0320	0.5000	
19	Link-33	62.66	1909.00	3.00	1907.56	2.66	1.44	2.3000	Rectangular	1.000	1.000	0.0320	0.5000	

Channel Results

SN	Element ID	Peak Flow	Time of Peak Flow Occurrence	Design Flow Capacity	Peak Flow/Design Flow Ratio	Peak Flow Velocity	Travel Time	Peak Flow Depth	Peak Flow Depth/Total Depth Ratio	Total Time Surcharged	Froude Re Number Co
		(cfs)	(days hh:mm)	(cfs)		(ft/sec)	(min)	(ft)		(min)	
1	Link-15	0.00	0 00:00	4.25	0.00	0.00		0.00	0.00	0.00	
2	Link-16	0.00	0 00:00	4.19	0.00	0.00		0.00	0.00	0.00	
3	Link-17	0.00	0 00:00	4.22	0.00	0.00		0.00	0.00	0.00	
4	Link-18	0.00	0 00:00	4.18	0.00	0.00		0.00	0.00	0.00	
5	Link-19	0.00	0 00:00	4.13	0.00	0.00		0.00	0.00	0.00	
6	Link-20	0.00	0 00:00	4.15	0.00	0.00		0.00	0.00	0.00	
7	Link-21	0.11	0 00:07	14.31	0.01	3.03	0.05	0.03	0.03	0.00	
8	Link-22	0.00	0 00:00	2.33	0.00	0.00		0.00	0.00	0.00	
9	Link-23	0.00	0 00:00	2.76	0.00	0.00		0.00	0.00	0.00	
10	Link-24	0.00	0 00:00	2.67	0.00	0.00		0.00	0.00	0.00	
11	Link-25	0.00	0 00:00	2.26	0.00	0.00		0.00	0.00	0.00	
12	Link-26	0.00	0 00:00	4.37	0.00	0.00		0.00	0.00	0.00	
13	Link-27	0.00	0 00:00	3.69	0.00	0.00		0.00	0.00	0.00	
14	Link-28	0.00	0 00:00	3.90	0.00	0.00		0.00	0.00	0.00	
15	Link-29	0.00	0 00:00	3.50	0.00	0.00		0.00	0.00	0.00	
16	Link-30	0.00	0 00:00	3.57	0.00	0.00		0.00	0.00	0.00	
17	Link-31	0.00	0 00:00	3.93	0.00	0.00		0.00	0.00	0.00	
18	Link-32	0.00	0 00:00	4.28	0.00	0.00		0.00	0.00	0.00	
19	Link-33	0.00	0 00:00	3.38	0.00	0.00		0.00	0.00	0.00	

Pipe Input

SN	Element	Length	Inlet Invert Elevation (ft)	Inlet Invert Offset (ft)	Outlet Invert Elevation (ft)	Outlet Invert Offset (ft)	Total Drop (ft)	Average Slope (%)	Pipe Shape	Pipe Diameter or Height (in)	Pipe Width (in)	Manning's Roughness	Entranc Losse
1	Link-04	16.71	1902.00	6.00	1901.00	0.00	1.00	5.9800	CIRCULAR				
2	Link-05	50.57	1905.24	0.49	1905.06	0.16	0.18	0.3600	CIRCULAR				
3	Link-06	103.70	1905.06	0.16	1903.64	0.60	1.42	1.3700	CIRCULAR				
4	Link-07	34.93	1903.65	0.54	1903.64	0.60	0.01	0.0300	CIRCULAR				
5	Link-08	61.09	1903.64	0.60	1902.78	0.20	0.86	1.4100	CIRCULAR				
6	Link-09	40.20	1902.78	0.20	1901.00	1901.00	1.78	4.4300	CIRCULAR				
7	Link-10	47.26	1902.30	0.80	1901.25	0.00	1.05	2.2200	CIRCULAR				
8	Link-11	51.03	1901.25	0.00	1901.00	1901.00	0.25	0.4900	CIRCULAR				
9	Link-13	33.98	1901.66	0.55	1901.50	0.40	0.16	0.4700	CIRCULAR				
10	Link-14	35.20	1901.50	0.40	1901.00	5.00	0.50	1.4200	CIRCULAR				

Pipe Results

SN	Element	Peak	Time of	Design Flow	Peak Flow/	Peak Flow	Travel	Peak Flow	Peak Flow	Total Time	Froude Re
	ID	Flow	Peak Flow	Capacity	Design Flow	Velocity	Time	Depth	Depth/	Surcharged	Number Co
			Occurrence		Ratio				Total Depth		
		(cfs)	(days hh:mm)	(cfs)		(ft/sec)	(min)	(ft)		(min)	
1	Link-04	0.00	0 00:00	7.55	0.00	0.00		0.00	0.00	0.00	Ca
2	Link-05	0.00	0 00:00	1.84	0.00	0.00		0.00	0.00	0.00	Ca
3	Link-06	0.07	0 00:07	3.61	0.02	3.13	0.55	0.10	0.10	0.00	Ca
4	Link-07	0.13	0 00:07	0.52	0.25	0.96	0.61	0.34	0.34	0.00	Ca
5	Link-08	0.26	0 00:08	3.66	0.07	2.71	0.38	0.18	0.18	0.00	Ca
6	Link-09	0.30	0 00:08	6.50	0.05	4.29	0.16	0.15	0.15	0.00	Ca
7	Link-10	0.02	0 00:07	4.60	0.00	1.37	0.57	0.04	0.04	0.00	Ca
8	Link-11	0.13	0 00:07	2.16	0.06	1.55	0.55	0.17	0.17	0.00	Ca
9	Link-13	0.05	0 00:07	2.12	0.02	1.72	0.33	0.11	0.11	0.00	Ca
10	Link-14	0.15	0 00:07	3.68	0.04	2.33	0.25	0.14	0.14	0.00	Ca

Inlet Input

SN	Element	Inlet	Manufacturer	Inlet	Number of	Catchbasin	Max (Rim)	Inlet	Initial	Initial	Poi
	ID	Manufacturer	Part	Location	Inlets	Invert	Elevation	Depth	Water	Water	
			Number			Elevation			Elevation	Depth	
						(ft)	(ft)	(ft)	(ft)	(ft)	
1	CB#1	FHWA HEC-22 GENERIC	N/A	On Sag	1	1901.25	1904.25	3.00	0.00	0.00	1
2	CB#2	FHWA HEC-22 GENERIC	N/A	On Sag	1	1901.50	1904.80	3.30	0.00	0.00	1
3	CB#3	FHWA HEC-22 GENERIC	N/A	On Sag	1	1902.58	1906.69	4.11	0.00	0.00	1
4	CB#4	FHWA HEC-22 GENERIC	N/A	On Sag	1	1903.04	1906.14	3.10	0.00	0.00	1
5	CB#5	FHWA HEC-22 GENERIC	N/A	On Sag	1	1903.11	1906.11	3.00	0.00	0.00	1
6	CB#6	FHWA HEC-22 GENERIC	N/A	On Sag	1	1904.90	1907.56	2.66	0.00	0.00	1
7	CB#8	FHWA HEC-22 GENERIC	N/A	On Sag	1	1901.11	1904.16	3.05	0.00	0.00	1

Roadway & Gutter Input

SN Element ID	Roadway Longitudinal Slope (ft/ft)	Roadway Cross Slope (ft/ft)	Roadway Manning's Roughness	Gutter Cross Slope (ft/ft)	Gutter Width (ft)	Gutter Depression (in)	Allowable Spread (ft)
1 CB#1	N/A	0.0200	0.0160	0.0620	2.00		

Inlet Results

SN	Element ID	Peak Flow	Peak Lateral Inflow	Peak Flow Intercepted	Peak Flow Bypassing Inlet	Inlet Efficiency during Peak Flow	Max Gutter Spread during Peak Flow	Max Gutter Water Elev. during Peak Flow	Max Gutter Water Depth during Peak Flow	Time of Max Depth Occurrence	Total Flooded Volume
		(cfs)	(cfs)	(cfs)	(cfs)	(%)	(ft)	(ft)	(ft)	(days hh:mm)	(ac-in)
1	CB#1	0.12	0.12	N/A	N/A	N/A	1.52	1904.39	0.14	0 00:07	0.00
2	CB#2	0.02	0.02	N/A	N/A	N/A	1.14	1904.93	0.13	0 00:07	0.00
3	CB#3	0.05	0.05	N/A	N/A	N/A	1.27	1906.82	0.13	0 00:08	0.00
4	CB#4	0.06	0.06	N/A	N/A	N/A	1.34	1906.27	0.13	0 00:07	0.00
5	CB#5	0.13	0.13	N/A	N/A	N/A	1.55	1906.25	0.14	0 00:07	0.00
6	CB#6	0.07	0.07	N/A	N/A	N/A	1.37	1907.69	0.13	0 00:00	0.00
7	CB#8	0.05	0.05	N/A	N/A	N/A	1.30	1904.29	0.13	0 00:00	0.00

Storage Nodes

Storage Node : Bioswale-1

Input Data

Invert Elevation (ft)	1896.00
Max (Rim) Elevation (ft)	1902.00
Max (Rim) Offset (ft)	6.00
Initial Water Elevation (ft)	0.00
Initial Water Depth (ft)	-1896.00
Ponded Area (ft²)	0.00
Evaporation Loss	0.00

Infiltration/Exfiltration

Exfiltration Rate (in/hr)	0.1
---------------------------------	-----

Output Summary Results

Peak Inflow (cfs)	0.15
Peak Lateral Inflow (cfs)	0
Peak Outflow (cfs)	0
Peak Exfiltration Flow Rate (cfm)	0.33
Max HGL Elevation Attained (ft)	1896.02
Max HGL Depth Attained (ft)	0.02
Average HGL Elevation Attained (ft)	1896
Average HGL Depth Attained (ft)	0
Time of Max HGL Occurrence (days hh:mm)	0 00:15
Total Exfiltration Volume (1000-ft³)	0.048
Total Flooded Volume (ac-in)	0
Total Time Flooded (min)	0
Total Retention Time (sec)	0

Storage Node : Bioswale-2

Input Data

Invert Elevation (ft)	0.00
Max (Rim) Elevation (ft)	6.00
Max (Rim) Offset (ft)	6.00
Initial Water Elevation (ft)	0.00
Initial Water Depth (ft)	0.00
Ponded Area (ft²)	0.00
Evaporation Loss	0.00

Output Summary Results

Peak Inflow (cfs)	0.43
Peak Lateral Inflow (cfs)	0
Peak Outflow (cfs)	0
Peak Exfiltration Flow Rate (cfm)	0
Max HGL Elevation Attained (ft)	0
Max HGL Depth Attained (ft)	0
Average HGL Elevation Attained (ft)	0
Average HGL Depth Attained (ft)	0
Time of Max HGL Occurrence (days hh:mm)	0 00:00
Total Exfiltration Volume (1000-ft³)	0
Total Flooded Volume (ac-in)	0
Total Time Flooded (min)	0
Total Retention Time (sec)	0

Storage Node : Stor-04

Input Data

Invert Elevation (ft)	1916.00
Max (Rim) Elevation (ft)	1919.00
Max (Rim) Offset (ft)	3.00
Initial Water Elevation (ft)	0.00
Initial Water Depth (ft)	-1916.00
Ponded Area (ft²)	0.00
Evaporation Loss	0.00

Infiltration/Exfiltration

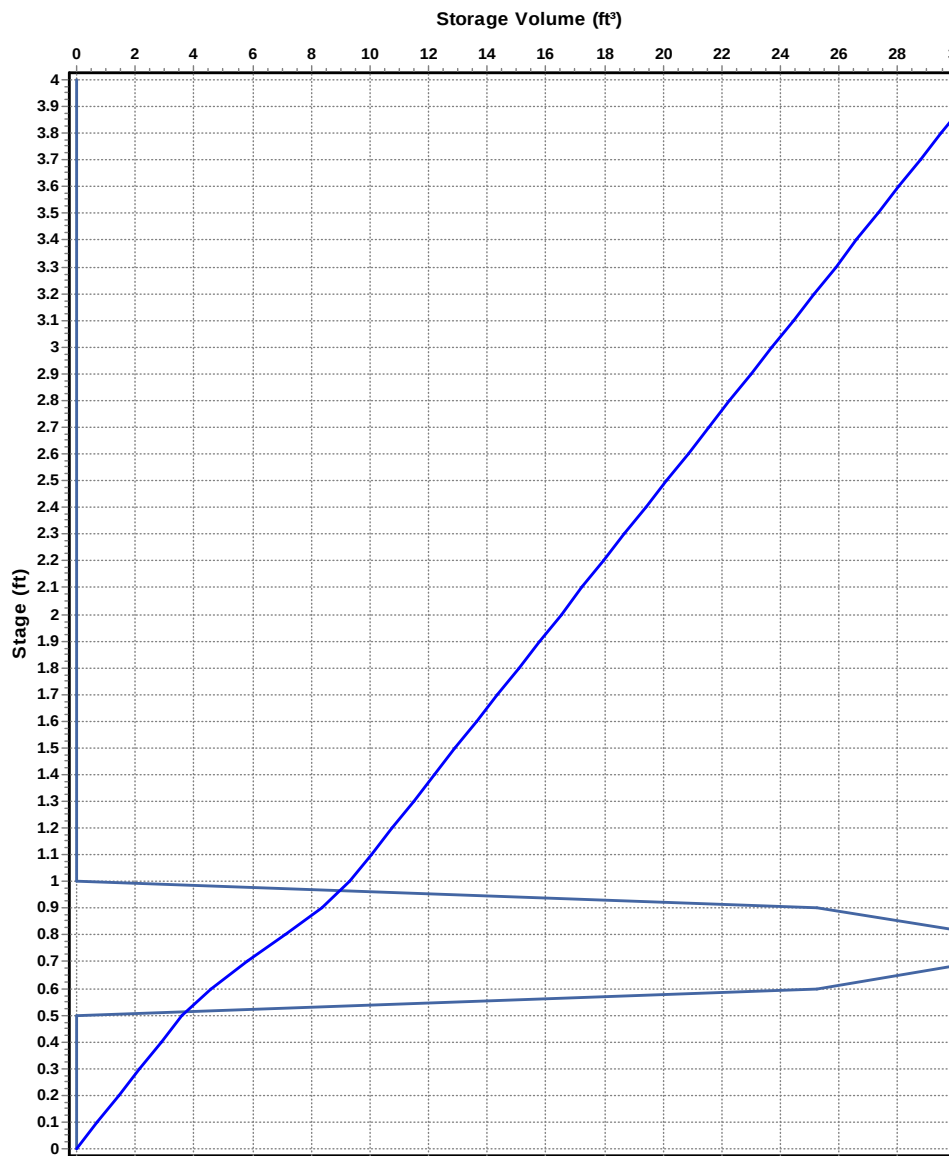
Exfiltration Rate (in/hr)	0.1
---------------------------------	-----

Storage Area Volume Curves

Storage Curve : Island-Typ

Stage	Storage Area	Storage Volume
(ft)	(ft²)	(ft³)
0	7.1667	0
0.1	7.1667	0.72
0.2	7.1667	1.44
0.3	7.1667	2.16
0.4	7.1667	2.88
0.5	7.1667	3.6
0.6	11.9667	4.56
0.7	13.0454	5.81
0.8	13.0454	7.11
0.9	11.9667	8.36
1	7.1667	9.32
1.1	7.1667	10.04
1.2	7.1667	10.76
1.3	7.1667	11.48
1.4	7.1667	12.2
1.5	7.1667	12.92
1.6	7.1667	13.64
1.7	7.1667	14.36
1.8	7.1667	15.08
1.9	7.1667	15.8
2	7.1667	16.52
2.1	7.1667	17.24
2.2	7.1667	17.96

Storage Area Volume Curves



Storage Node : Stor-04 (continued)

Output Summary Results

Peak Inflow (cfs)	0.16
Peak Lateral Inflow (cfs)	0.16
Peak Outflow (cfs)	0
Peak Exfiltration Flow Rate (cfm)	0.01
Max HGL Elevation Attained (ft)	1919
Max HGL Depth Attained (ft)	3
Average HGL Elevation Attained (ft)	1918.5
Average HGL Depth Attained (ft)	2.5
Time of Max HGL Occurrence (days hh:mm)	0 00:06
Total Exfiltration Volume (1000-ft³)	0.007
Total Flooded Volume (ac-in)	0.01
Total Time Flooded (min)	8
Total Retention Time (sec)	0

Storage Node : Stor-05

Input Data

Invert Elevation (ft)	1916.00
Max (Rim) Elevation (ft)	1919.00
Max (Rim) Offset (ft)	3.00
Initial Water Elevation (ft)	0.00
Initial Water Depth (ft)	-1916.00
Ponded Area (ft²)	0.00
Evaporation Loss	0.00

Infiltration/Exfiltration

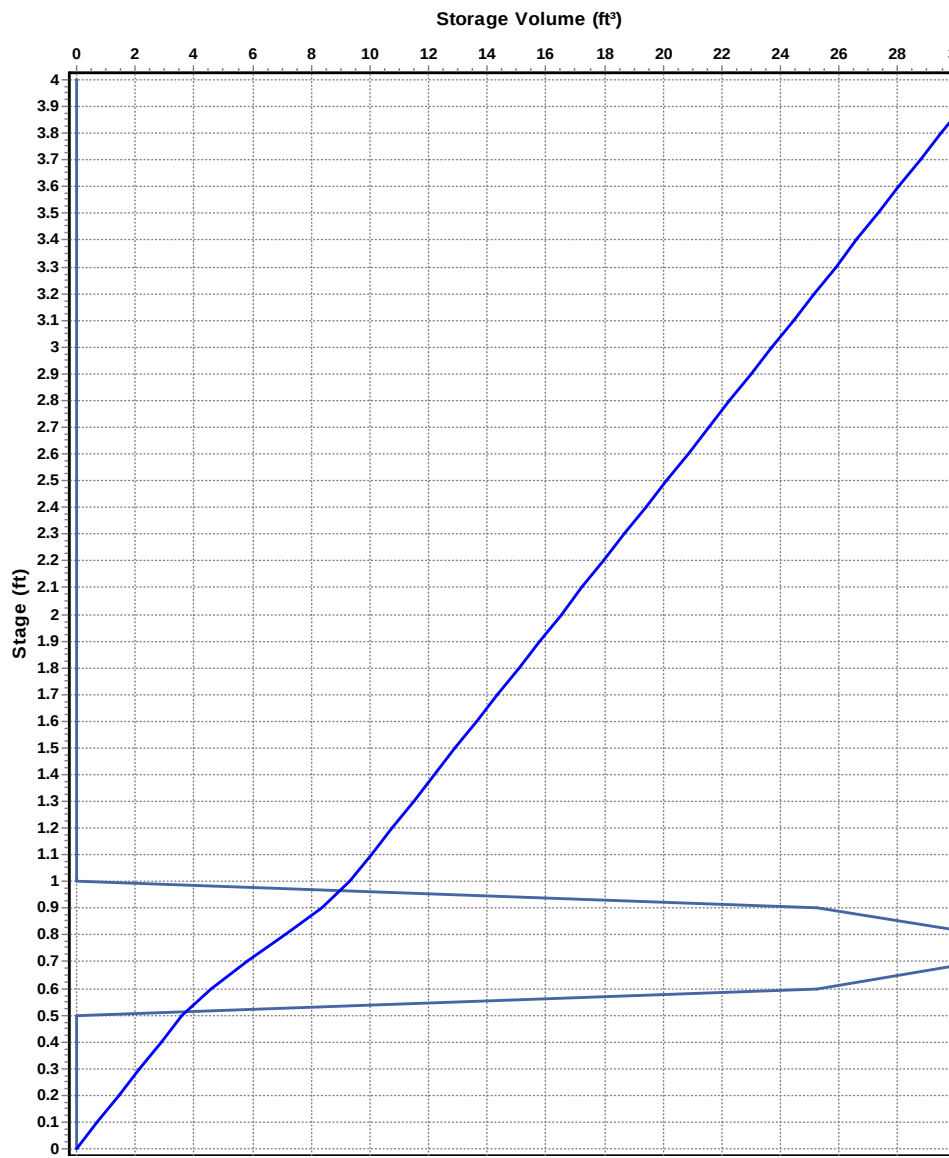
Exfiltration Rate (in/hr)	0.1
---------------------------------	-----

Storage Area Volume Curves

Storage Curve : Island-Typ

Stage	Storage Area	Storage Volume
(ft)	(ft²)	(ft³)
0	7.1667	0
0.1	7.1667	0.72
0.2	7.1667	1.44
0.3	7.1667	2.16
0.4	7.1667	2.88
0.5	7.1667	3.6
0.6	11.9667	4.56
0.7	13.0454	5.81
0.8	13.0454	7.11
0.9	11.9667	8.36
1	7.1667	9.32
1.1	7.1667	10.04
1.2	7.1667	10.76
1.3	7.1667	11.48
1.4	7.1667	12.2
1.5	7.1667	12.92
1.6	7.1667	13.64
1.7	7.1667	14.36
1.8	7.1667	15.08
1.9	7.1667	15.8
2	7.1667	16.52
2.1	7.1667	17.24
2.2	7.1667	17.96

Storage Area Volume Curves



Storage Node : Stor-05 (continued)

Output Summary Results

Peak Inflow (cfs)	0.16
Peak Lateral Inflow (cfs)	0.16
Peak Outflow (cfs)	0
Peak Exfiltration Flow Rate (cfm)	0
Max HGL Elevation Attained (ft)	1916
Max HGL Depth Attained (ft)	0
Average HGL Elevation Attained (ft)	1916
Average HGL Depth Attained (ft)	0
Time of Max HGL Occurrence (days hh:mm)	0 00:00
Total Exfiltration Volume (1000-ft³)	0
Total Flooded Volume (ac-in)	0
Total Time Flooded (min)	0
Total Retention Time (sec)	0

Storage Node : Stor-06

Input Data

Invert Elevation (ft)	1913.50
Max (Rim) Elevation (ft)	1916.50
Max (Rim) Offset (ft)	3.00
Initial Water Elevation (ft)	0.00
Initial Water Depth (ft)	-1913.50
Ponded Area (ft²)	0.00
Evaporation Loss	0.00

Infiltration/Exfiltration

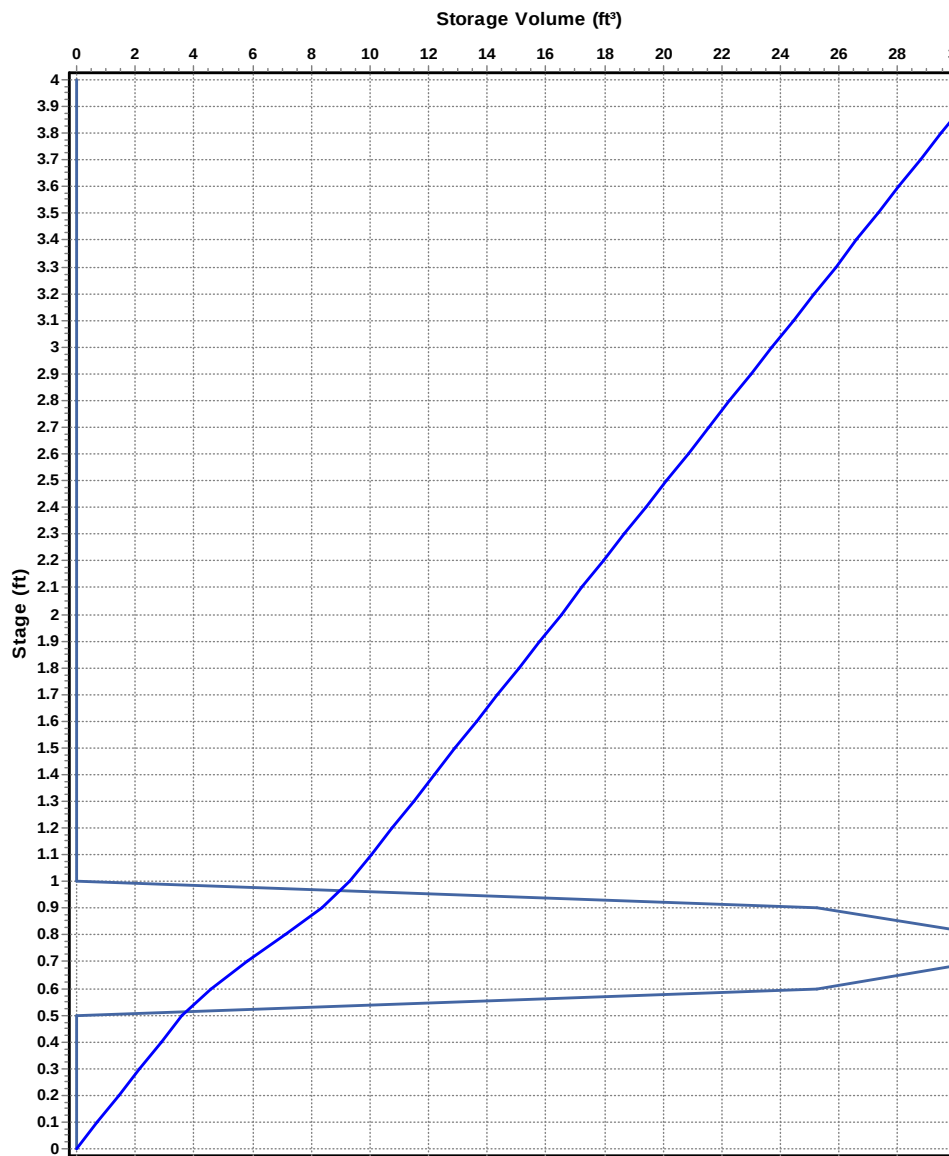
Exfiltration Rate (in/hr)	0.1
---------------------------------	-----

Storage Area Volume Curves

Storage Curve : Island-Typ

Stage	Storage Area	Storage Volume
(ft)	(ft²)	(ft³)
0	7.1667	0
0.1	7.1667	0.72
0.2	7.1667	1.44
0.3	7.1667	2.16
0.4	7.1667	2.88
0.5	7.1667	3.6
0.6	11.9667	4.56
0.7	13.0454	5.81
0.8	13.0454	7.11
0.9	11.9667	8.36
1	7.1667	9.32
1.1	7.1667	10.04
1.2	7.1667	10.76
1.3	7.1667	11.48
1.4	7.1667	12.2
1.5	7.1667	12.92
1.6	7.1667	13.64
1.7	7.1667	14.36
1.8	7.1667	15.08
1.9	7.1667	15.8
2	7.1667	16.52
2.1	7.1667	17.24
2.2	7.1667	17.96

Storage Area Volume Curves



Storage Node : Stor-06 (continued)

Output Summary Results

Peak Inflow (cfs)	0.07
Peak Lateral Inflow (cfs)	0.07
Peak Outflow (cfs)	0
Peak Exfiltration Flow Rate (cfm)	0
Max HGL Elevation Attained (ft)	1913.5
Max HGL Depth Attained (ft)	0
Average HGL Elevation Attained (ft)	1913.5
Average HGL Depth Attained (ft)	0
Time of Max HGL Occurrence (days hh:mm)	0 00:00
Total Exfiltration Volume (1000-ft³)	0
Total Flooded Volume (ac-in)	0
Total Time Flooded (min)	0
Total Retention Time (sec)	0

Storage Node : Stor-07

Input Data

Invert Elevation (ft)	1913.50
Max (Rim) Elevation (ft)	1916.50
Max (Rim) Offset (ft)	3.00
Initial Water Elevation (ft)	0.00
Initial Water Depth (ft)	-1913.50
Ponded Area (ft²)	0.00
Evaporation Loss	0.00

Infiltration/Exfiltration

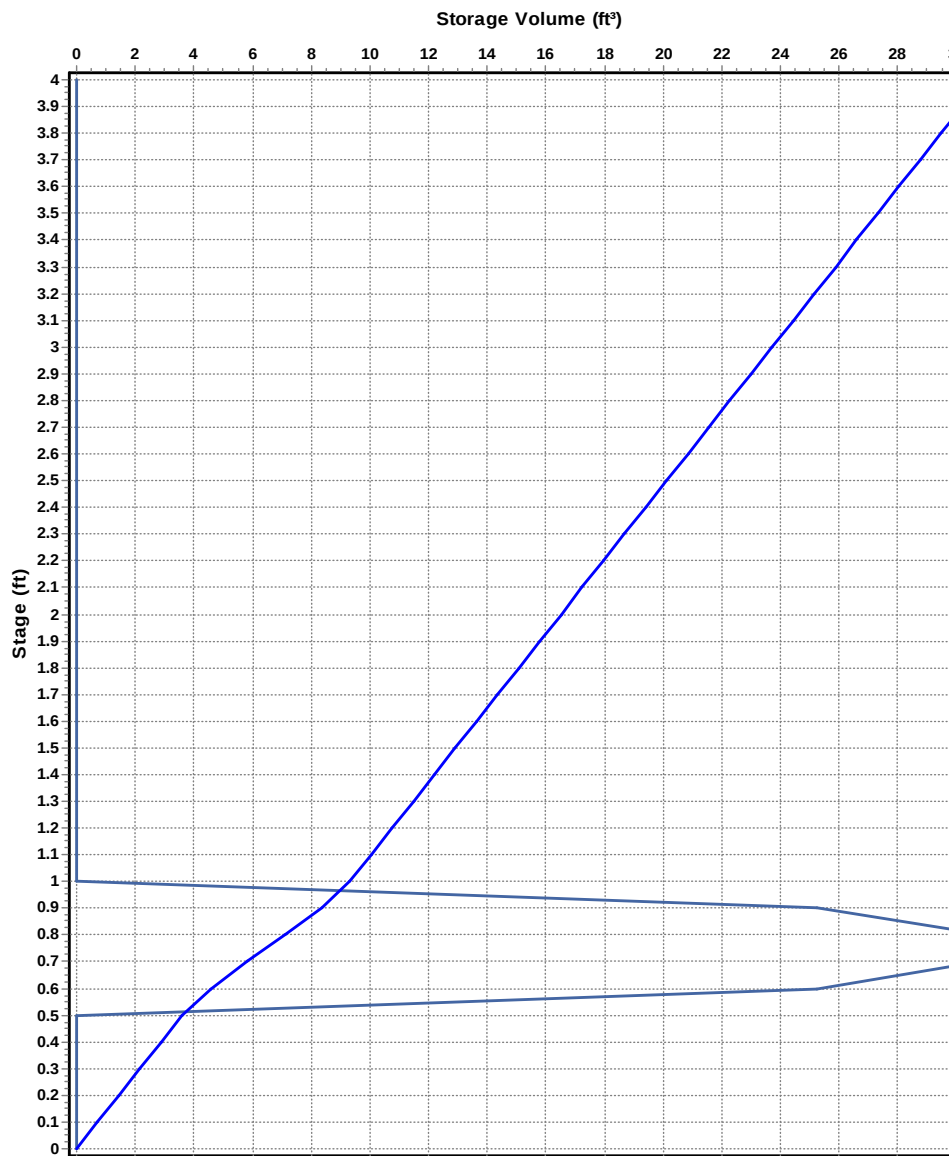
Exfiltration Rate (in/hr)	0.1
---------------------------------	-----

Storage Area Volume Curves

Storage Curve : Island-Typ

Stage	Storage Area	Storage Volume
(ft)	(ft²)	(ft³)
0	7.1667	0
0.1	7.1667	0.72
0.2	7.1667	1.44
0.3	7.1667	2.16
0.4	7.1667	2.88
0.5	7.1667	3.6
0.6	11.9667	4.56
0.7	13.0454	5.81
0.8	13.0454	7.11
0.9	11.9667	8.36
1	7.1667	9.32
1.1	7.1667	10.04
1.2	7.1667	10.76
1.3	7.1667	11.48
1.4	7.1667	12.2
1.5	7.1667	12.92
1.6	7.1667	13.64
1.7	7.1667	14.36
1.8	7.1667	15.08
1.9	7.1667	15.8
2	7.1667	16.52
2.1	7.1667	17.24
2.2	7.1667	17.96

Storage Area Volume Curves



Storage Node : Stor-07 (continued)

Output Summary Results

Peak Inflow (cfs)	0.07
Peak Lateral Inflow (cfs)	0.07
Peak Outflow (cfs)	0
Peak Exfiltration Flow Rate (cfm)	0.01
Max HGL Elevation Attained (ft)	1916.5
Max HGL Depth Attained (ft)	3
Average HGL Elevation Attained (ft)	1916
Average HGL Depth Attained (ft)	2.5
Time of Max HGL Occurrence (days hh:mm)	0 00:09
Total Exfiltration Volume (1000-ft³)	0.007
Total Flooded Volume (ac-in)	0
Total Time Flooded (min)	5
Total Retention Time (sec)	0

Storage Node : Stor-08

Input Data

Invert Elevation (ft)	1911.50
Max (Rim) Elevation (ft)	1914.50
Max (Rim) Offset (ft)	3.00
Initial Water Elevation (ft)	0.00
Initial Water Depth (ft)	-1911.50
Ponded Area (ft²)	0.00
Evaporation Loss	0.00

Infiltration/Exfiltration

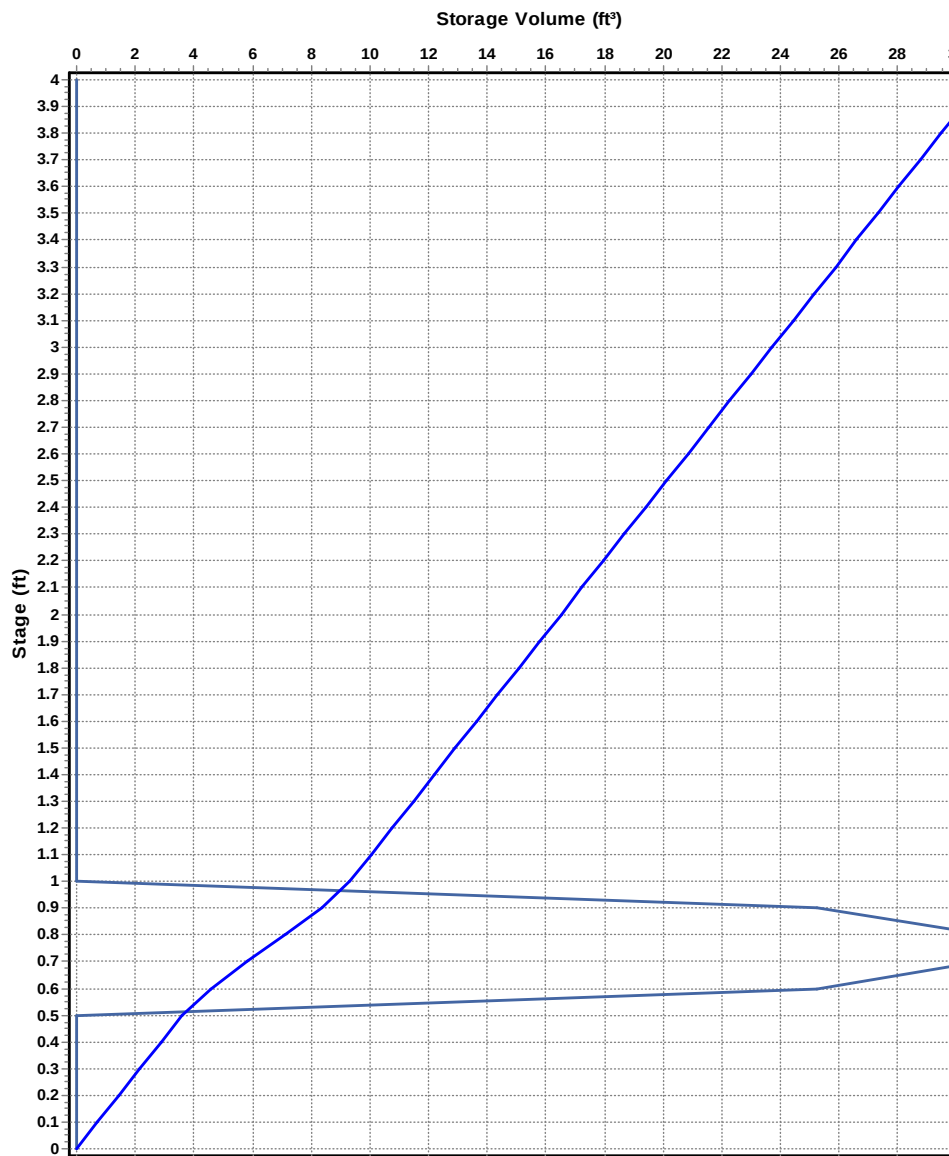
Exfiltration Rate (in/hr)	0.1
---------------------------------	-----

Storage Area Volume Curves

Storage Curve : Island-Typ

Stage	Storage Area	Storage Volume
(ft)	(ft²)	(ft³)
0	7.1667	0
0.1	7.1667	0.72
0.2	7.1667	1.44
0.3	7.1667	2.16
0.4	7.1667	2.88
0.5	7.1667	3.6
0.6	11.9667	4.56
0.7	13.0454	5.81
0.8	13.0454	7.11
0.9	11.9667	8.36
1	7.1667	9.32
1.1	7.1667	10.04
1.2	7.1667	10.76
1.3	7.1667	11.48
1.4	7.1667	12.2
1.5	7.1667	12.92
1.6	7.1667	13.64
1.7	7.1667	14.36
1.8	7.1667	15.08
1.9	7.1667	15.8
2	7.1667	16.52
2.1	7.1667	17.24
2.2	7.1667	17.96

Storage Area Volume Curves



Storage Node : Stor-08 (continued)

Output Summary Results

Peak Inflow (cfs)	0.08
Peak Lateral Inflow (cfs)	0.08
Peak Outflow (cfs)	0
Peak Exfiltration Flow Rate (cfm)	0.01
Max HGL Elevation Attained (ft)	1914.5
Max HGL Depth Attained (ft)	3
Average HGL Elevation Attained (ft)	1914
Average HGL Depth Attained (ft)	2.5
Time of Max HGL Occurrence (days hh:mm)	0 00:09
Total Exfiltration Volume (1000-ft³)	0.007
Total Flooded Volume (ac-in)	0
Total Time Flooded (min)	6
Total Retention Time (sec)	0

Storage Node : Stor-09

Input Data

Invert Elevation (ft)	1911.50
Max (Rim) Elevation (ft)	1914.50
Max (Rim) Offset (ft)	3.00
Initial Water Elevation (ft)	0.00
Initial Water Depth (ft)	-1911.50
Ponded Area (ft²)	0.00
Evaporation Loss	0.00

Infiltration/Exfiltration

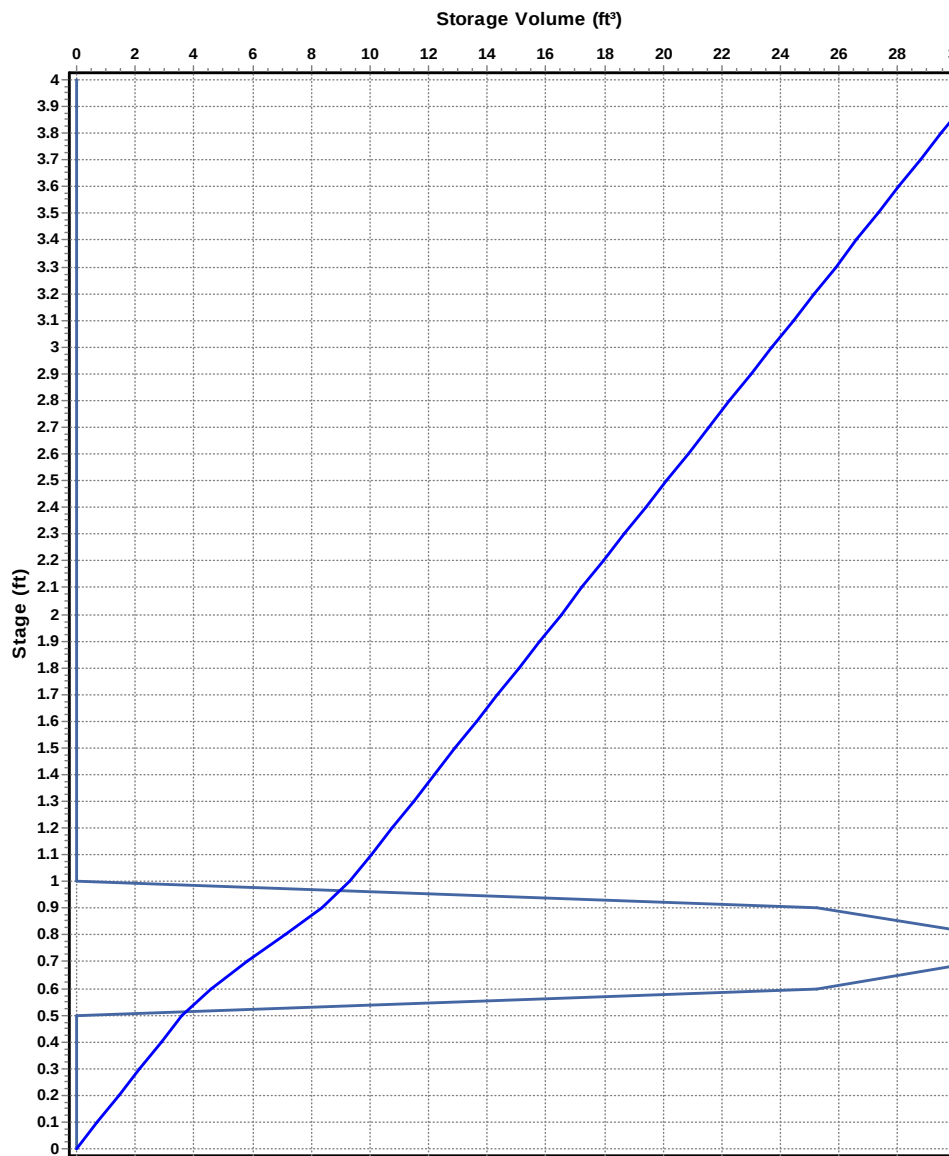
Exfiltration Rate (in/hr)	0.1
---------------------------------	-----

Storage Area Volume Curves

Storage Curve : Island-Typ

Stage	Storage Area	Storage Volume
(ft)	(ft²)	(ft³)
0	7.1667	0
0.1	7.1667	0.72
0.2	7.1667	1.44
0.3	7.1667	2.16
0.4	7.1667	2.88
0.5	7.1667	3.6
0.6	11.9667	4.56
0.7	13.0454	5.81
0.8	13.0454	7.11
0.9	11.9667	8.36
1	7.1667	9.32
1.1	7.1667	10.04
1.2	7.1667	10.76
1.3	7.1667	11.48
1.4	7.1667	12.2
1.5	7.1667	12.92
1.6	7.1667	13.64
1.7	7.1667	14.36
1.8	7.1667	15.08
1.9	7.1667	15.8
2	7.1667	16.52
2.1	7.1667	17.24
2.2	7.1667	17.96

Storage Area Volume Curves



Storage Node : Stor-09 (continued)

Output Summary Results

Peak Inflow (cfs)	0.07
Peak Lateral Inflow (cfs)	0.07
Peak Outflow (cfs)	0
Peak Exfiltration Flow Rate (cfm)	0
Max HGL Elevation Attained (ft)	1911.5
Max HGL Depth Attained (ft)	0
Average HGL Elevation Attained (ft)	1911.5
Average HGL Depth Attained (ft)	0
Time of Max HGL Occurrence (days hh:mm)	0 00:00
Total Exfiltration Volume (1000-ft³)	0
Total Flooded Volume (ac-in)	0
Total Time Flooded (min)	0
Total Retention Time (sec)	0

Storage Node : Stor-10**Input Data**

Invert Elevation (ft) 1909.00
 Max (Rim) Elevation (ft) 1912.00
 Max (Rim) Offset (ft) 3.00
 Initial Water Elevation (ft) 0.00
 Initial Water Depth (ft) -1909.00
 Ponded Area (ft²) 0.00
 Evaporation Loss 0.00

Infiltration/Exfiltration

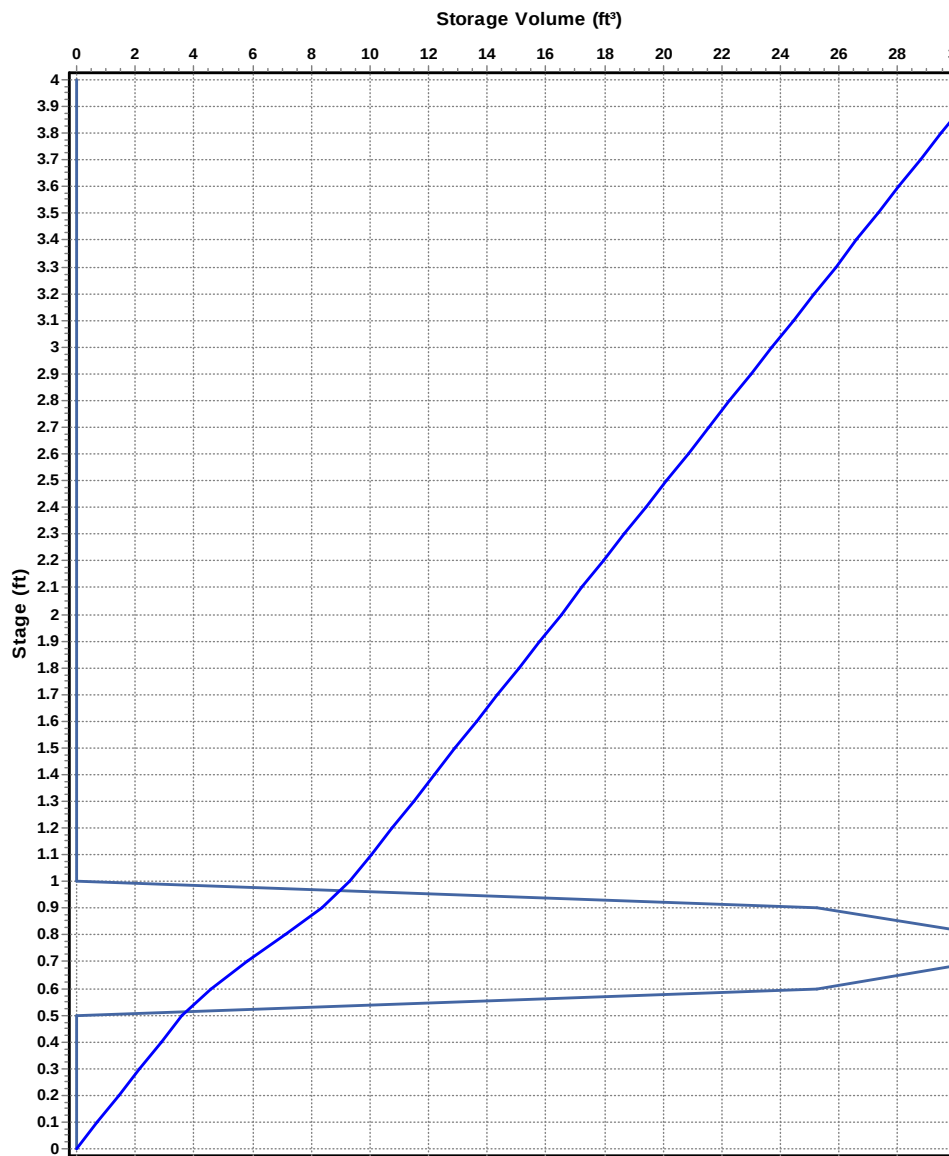
Exfiltration Rate (in/hr) 0.1

Storage Area Volume Curves

Storage Curve : Island-Typ

Stage	Storage Area	Storage Volume
(ft)	(ft ²)	(ft ³)
0	7.1667	0
0.1	7.1667	0.72
0.2	7.1667	1.44
0.3	7.1667	2.16
0.4	7.1667	2.88
0.5	7.1667	3.6
0.6	11.9667	4.56
0.7	13.0454	5.81
0.8	13.0454	7.11
0.9	11.9667	8.36
1	7.1667	9.32
1.1	7.1667	10.04
1.2	7.1667	10.76
1.3	7.1667	11.48
1.4	7.1667	12.2
1.5	7.1667	12.92
1.6	7.1667	13.64
1.7	7.1667	14.36
1.8	7.1667	15.08
1.9	7.1667	15.8
2	7.1667	16.52
2.1	7.1667	17.24
2.2	7.1667	17.96

Storage Area Volume Curves



Storage Node : Stor-10 (continued)

Output Summary Results

Peak Inflow (cfs)	0.08
Peak Lateral Inflow (cfs)	0.08
Peak Outflow (cfs)	0
Peak Exfiltration Flow Rate (cfm)	0.01
Max HGL Elevation Attained (ft)	1912
Max HGL Depth Attained (ft)	3
Average HGL Elevation Attained (ft)	1911.5
Average HGL Depth Attained (ft)	2.5
Time of Max HGL Occurrence (days hh:mm)	0 00:09
Total Exfiltration Volume (1000-ft³)	0.007
Total Flooded Volume (ac-in)	0
Total Time Flooded (min)	6
Total Retention Time (sec)	0

Storage Node : Stor-11**Input Data**

Invert Elevation (ft) 1909.25
 Max (Rim) Elevation (ft) 1912.25
 Max (Rim) Offset (ft) 3.00
 Initial Water Elevation (ft) 0.00
 Initial Water Depth (ft) -1909.25
 Ponded Area (ft²) 0.00
 Evaporation Loss 0.00

Infiltration/Exfiltration

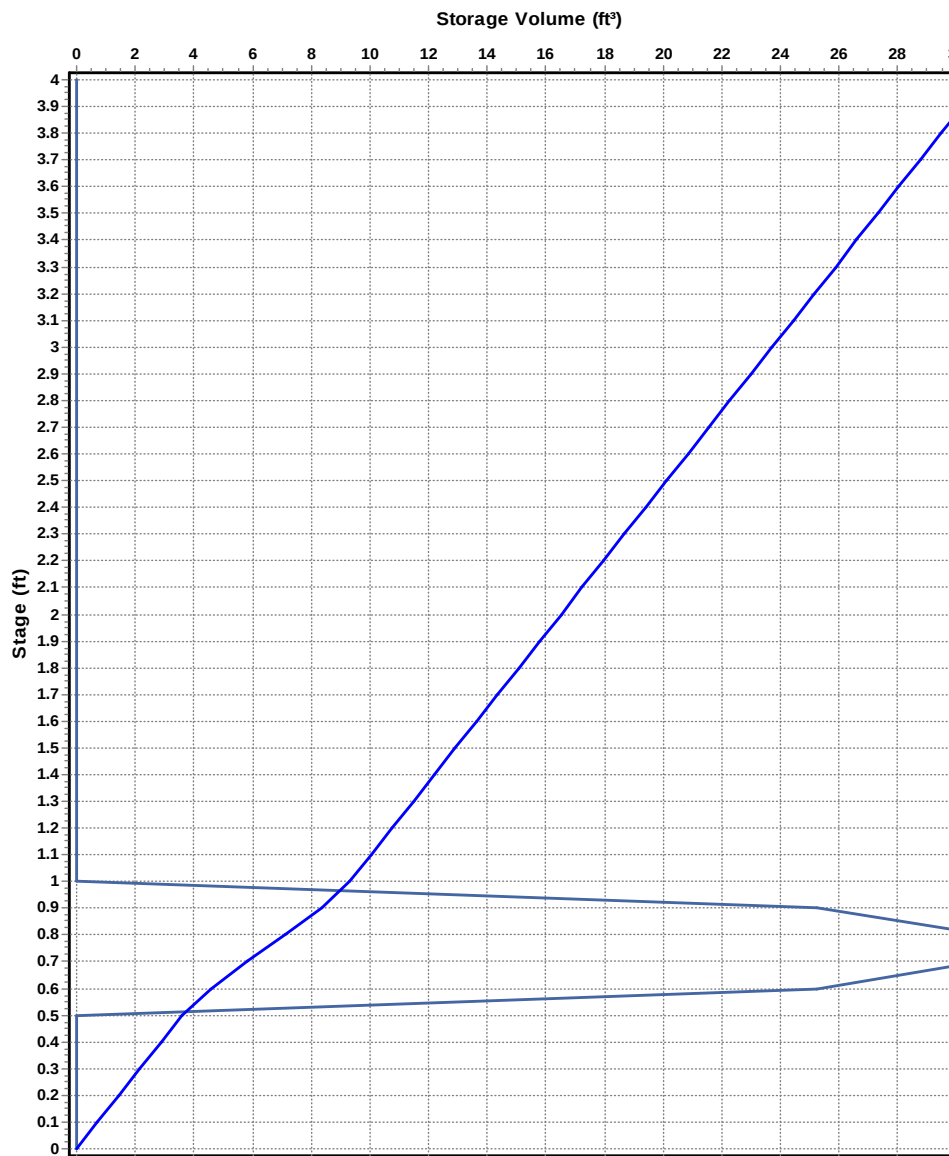
Exfiltration Rate (in/hr) 0.1

Storage Area Volume Curves

Storage Curve : Island-Typ

Stage	Storage Area	Storage Volume
(ft)	(ft²)	(ft³)
0	7.1667	0
0.1	7.1667	0.72
0.2	7.1667	1.44
0.3	7.1667	2.16
0.4	7.1667	2.88
0.5	7.1667	3.6
0.6	11.9667	4.56
0.7	13.0454	5.81
0.8	13.0454	7.11
0.9	11.9667	8.36
1	7.1667	9.32
1.1	7.1667	10.04
1.2	7.1667	10.76
1.3	7.1667	11.48
1.4	7.1667	12.2
1.5	7.1667	12.92
1.6	7.1667	13.64
1.7	7.1667	14.36
1.8	7.1667	15.08
1.9	7.1667	15.8
2	7.1667	16.52
2.1	7.1667	17.24
2.2	7.1667	17.96

Storage Area Volume Curves



Storage Node : Stor-11 (continued)

Output Summary Results

Peak Inflow (cfs)	0.08
Peak Lateral Inflow (cfs)	0.08
Peak Outflow (cfs)	0
Peak Exfiltration Flow Rate (cfm)	0.01
Max HGL Elevation Attained (ft)	1912.25
Max HGL Depth Attained (ft)	3
Average HGL Elevation Attained (ft)	1911.75
Average HGL Depth Attained (ft)	2.5
Time of Max HGL Occurrence (days hh:mm)	0 00:09
Total Exfiltration Volume (1000-ft³)	0.007
Total Flooded Volume (ac-in)	0
Total Time Flooded (min)	5
Total Retention Time (sec)	0

Storage Node : Stor-12**Input Data**

Invert Elevation (ft) 1907.00
 Max (Rim) Elevation (ft) 1910.00
 Max (Rim) Offset (ft) 3.00
 Initial Water Elevation (ft) 0.00
 Initial Water Depth (ft) -1907.00
 Ponded Area (ft²) 0.00
 Evaporation Loss 0.00

Infiltration/Exfiltration

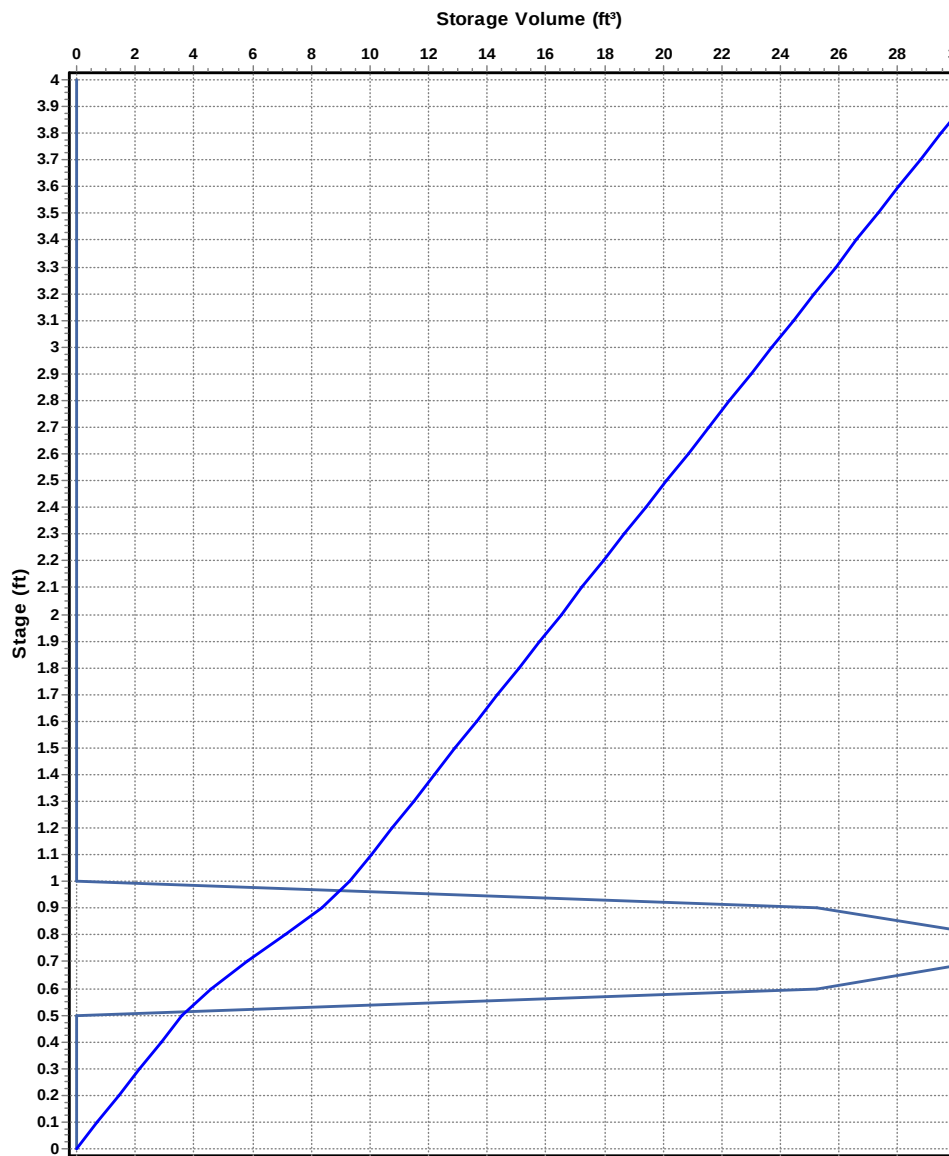
Exfiltration Rate (in/hr) 0.1

Storage Area Volume Curves

Storage Curve : Island-Typ

Stage	Storage Area	Storage Volume
(ft)	(ft ²)	(ft ³)
0	7.1667	0
0.1	7.1667	0.72
0.2	7.1667	1.44
0.3	7.1667	2.16
0.4	7.1667	2.88
0.5	7.1667	3.6
0.6	11.9667	4.56
0.7	13.0454	5.81
0.8	13.0454	7.11
0.9	11.9667	8.36
1	7.1667	9.32
1.1	7.1667	10.04
1.2	7.1667	10.76
1.3	7.1667	11.48
1.4	7.1667	12.2
1.5	7.1667	12.92
1.6	7.1667	13.64
1.7	7.1667	14.36
1.8	7.1667	15.08
1.9	7.1667	15.8
2	7.1667	16.52
2.1	7.1667	17.24
2.2	7.1667	17.96

Storage Area Volume Curves



Storage Node : Stor-12 (continued)

Output Summary Results

Peak Inflow (cfs)	0.07
Peak Lateral Inflow (cfs)	0.07
Peak Outflow (cfs)	0
Peak Exfiltration Flow Rate (cfm)	0.01
Max HGL Elevation Attained (ft)	1910
Max HGL Depth Attained (ft)	3
Average HGL Elevation Attained (ft)	1909.5
Average HGL Depth Attained (ft)	2.5
Time of Max HGL Occurrence (days hh:mm)	0 00:10
Total Exfiltration Volume (1000-ft³)	0.007
Total Flooded Volume (ac-in)	0
Total Time Flooded (min)	5
Total Retention Time (sec)	0

Storage Node : Stor-13**Input Data**

Invert Elevation (ft) 1908.00
 Max (Rim) Elevation (ft) 1911.00
 Max (Rim) Offset (ft) 3.00
 Initial Water Elevation (ft) 0.00
 Initial Water Depth (ft) -1908.00
 Ponded Area (ft²) 0.00
 Evaporation Loss 0.00

Infiltration/Exfiltration

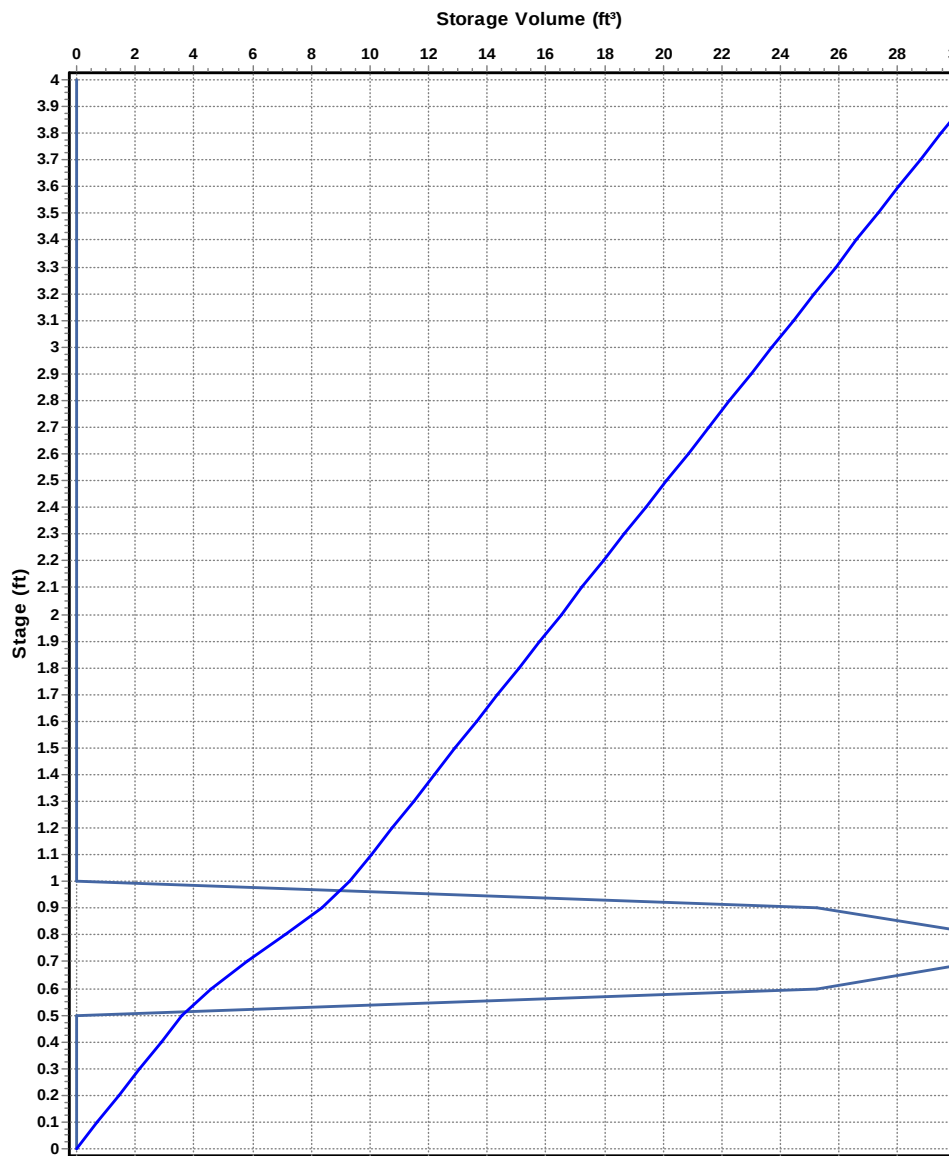
Exfiltration Rate (in/hr) 0.1

Storage Area Volume Curves

Storage Curve : Island-Typ

Stage	Storage Area	Storage Volume
(ft)	(ft²)	(ft³)
0	7.1667	0
0.1	7.1667	0.72
0.2	7.1667	1.44
0.3	7.1667	2.16
0.4	7.1667	2.88
0.5	7.1667	3.6
0.6	11.9667	4.56
0.7	13.0454	5.81
0.8	13.0454	7.11
0.9	11.9667	8.36
1	7.1667	9.32
1.1	7.1667	10.04
1.2	7.1667	10.76
1.3	7.1667	11.48
1.4	7.1667	12.2
1.5	7.1667	12.92
1.6	7.1667	13.64
1.7	7.1667	14.36
1.8	7.1667	15.08
1.9	7.1667	15.8
2	7.1667	16.52
2.1	7.1667	17.24
2.2	7.1667	17.96

Storage Area Volume Curves



Storage Node : Stor-13 (continued)

Output Summary Results

Peak Inflow (cfs)	0.06
Peak Lateral Inflow (cfs)	0.06
Peak Outflow (cfs)	0
Peak Exfiltration Flow Rate (cfm)	0.01
Max HGL Elevation Attained (ft)	1911
Max HGL Depth Attained (ft)	3
Average HGL Elevation Attained (ft)	1910.5
Average HGL Depth Attained (ft)	2.5
Time of Max HGL Occurrence (days hh:mm)	0 00:11
Total Exfiltration Volume (1000-ft³)	0.007
Total Flooded Volume (ac-in)	0
Total Time Flooded (min)	4
Total Retention Time (sec)	0

Storage Node : Stor-14

Input Data

Invert Elevation (ft)	1907.00
Max (Rim) Elevation (ft)	1910.00
Max (Rim) Offset (ft)	3.00
Initial Water Elevation (ft)	0.00
Initial Water Depth (ft)	-1907.00
Ponded Area (ft²)	0.00
Evaporation Loss	0.00

Infiltration/Exfiltration

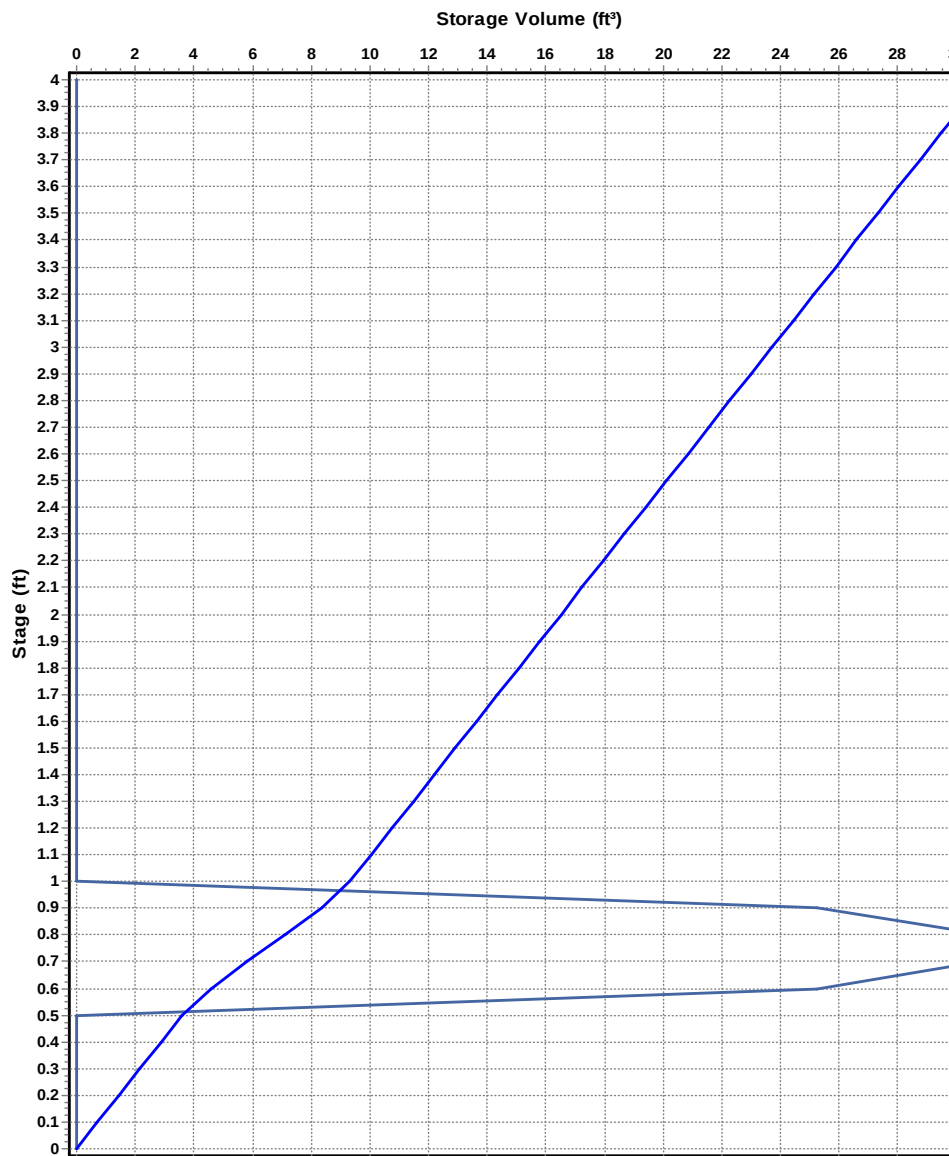
Exfiltration Rate (in/hr)	0.1
---------------------------------	-----

Storage Area Volume Curves

Storage Curve : Island-Typ

Stage	Storage Area	Storage Volume
(ft)	(ft²)	(ft³)
0	7.1667	0
0.1	7.1667	0.72
0.2	7.1667	1.44
0.3	7.1667	2.16
0.4	7.1667	2.88
0.5	7.1667	3.6
0.6	11.9667	4.56
0.7	13.0454	5.81
0.8	13.0454	7.11
0.9	11.9667	8.36
1	7.1667	9.32
1.1	7.1667	10.04
1.2	7.1667	10.76
1.3	7.1667	11.48
1.4	7.1667	12.2
1.5	7.1667	12.92
1.6	7.1667	13.64
1.7	7.1667	14.36
1.8	7.1667	15.08
1.9	7.1667	15.8
2	7.1667	16.52
2.1	7.1667	17.24
2.2	7.1667	17.96

Storage Area Volume Curves



Storage Node : Stor-14 (continued)

Output Summary Results

Peak Inflow (cfs)	0.06
Peak Lateral Inflow (cfs)	0.06
Peak Outflow (cfs)	0
Peak Exfiltration Flow Rate (cfm)	0.01
Max HGL Elevation Attained (ft)	1910
Max HGL Depth Attained (ft)	3
Average HGL Elevation Attained (ft)	1909.5
Average HGL Depth Attained (ft)	2.5
Time of Max HGL Occurrence (days hh:mm)	0 00:11
Total Exfiltration Volume (1000-ft³)	0.007
Total Flooded Volume (ac-in)	0
Total Time Flooded (min)	3
Total Retention Time (sec)	0

Storage Node : Stor-15

Input Data

Invert Elevation (ft)	1908.00
Max (Rim) Elevation (ft)	1911.00
Max (Rim) Offset (ft)	3.00
Initial Water Elevation (ft)	0.00
Initial Water Depth (ft)	-1908.00
Ponded Area (ft²)	0.00
Evaporation Loss	0.00

Infiltration/Exfiltration

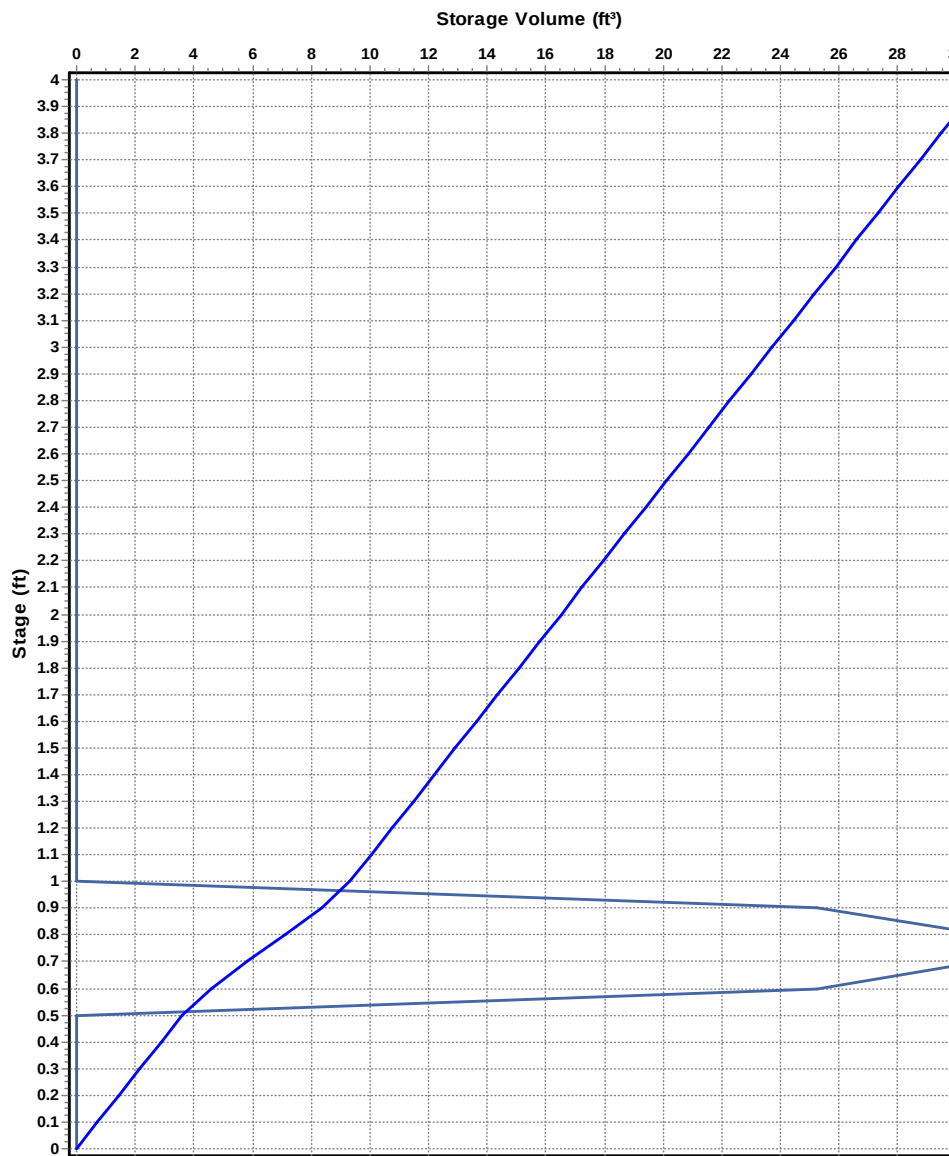
Exfiltration Rate (in/hr)	0.1
---------------------------------	-----

Storage Area Volume Curves

Storage Curve : Island-Typ

Stage	Storage Area	Storage Volume
(ft)	(ft²)	(ft³)
0	7.1667	0
0.1	7.1667	0.72
0.2	7.1667	1.44
0.3	7.1667	2.16
0.4	7.1667	2.88
0.5	7.1667	3.6
0.6	11.9667	4.56
0.7	13.0454	5.81
0.8	13.0454	7.11
0.9	11.9667	8.36
1	7.1667	9.32
1.1	7.1667	10.04
1.2	7.1667	10.76
1.3	7.1667	11.48
1.4	7.1667	12.2
1.5	7.1667	12.92
1.6	7.1667	13.64
1.7	7.1667	14.36
1.8	7.1667	15.08
1.9	7.1667	15.8
2	7.1667	16.52
2.1	7.1667	17.24
2.2	7.1667	17.96

Storage Area Volume Curves



Storage Node : Stor-15 (continued)

Output Summary Results

Peak Inflow (cfs)	0.02
Peak Lateral Inflow (cfs)	0.02
Peak Outflow (cfs)	0
Peak Exfiltration Flow Rate (cfm)	0
Max HGL Elevation Attained (ft)	1908.76
Max HGL Depth Attained (ft)	0.76
Average HGL Elevation Attained (ft)	1908.62
Average HGL Depth Attained (ft)	0.62
Time of Max HGL Occurrence (days hh:mm)	0 00:14
Total Exfiltration Volume (1000-ft³)	0.003
Total Flooded Volume (ac-in)	0
Total Time Flooded (min)	0
Total Retention Time (sec)	0

Storage Node : Stor-16

Input Data

Invert Elevation (ft)	1906.00
Max (Rim) Elevation (ft)	1909.00
Max (Rim) Offset (ft)	3.00
Initial Water Elevation (ft)	0.00
Initial Water Depth (ft)	-1906.00
Ponded Area (ft²)	0.00
Evaporation Loss	0.00

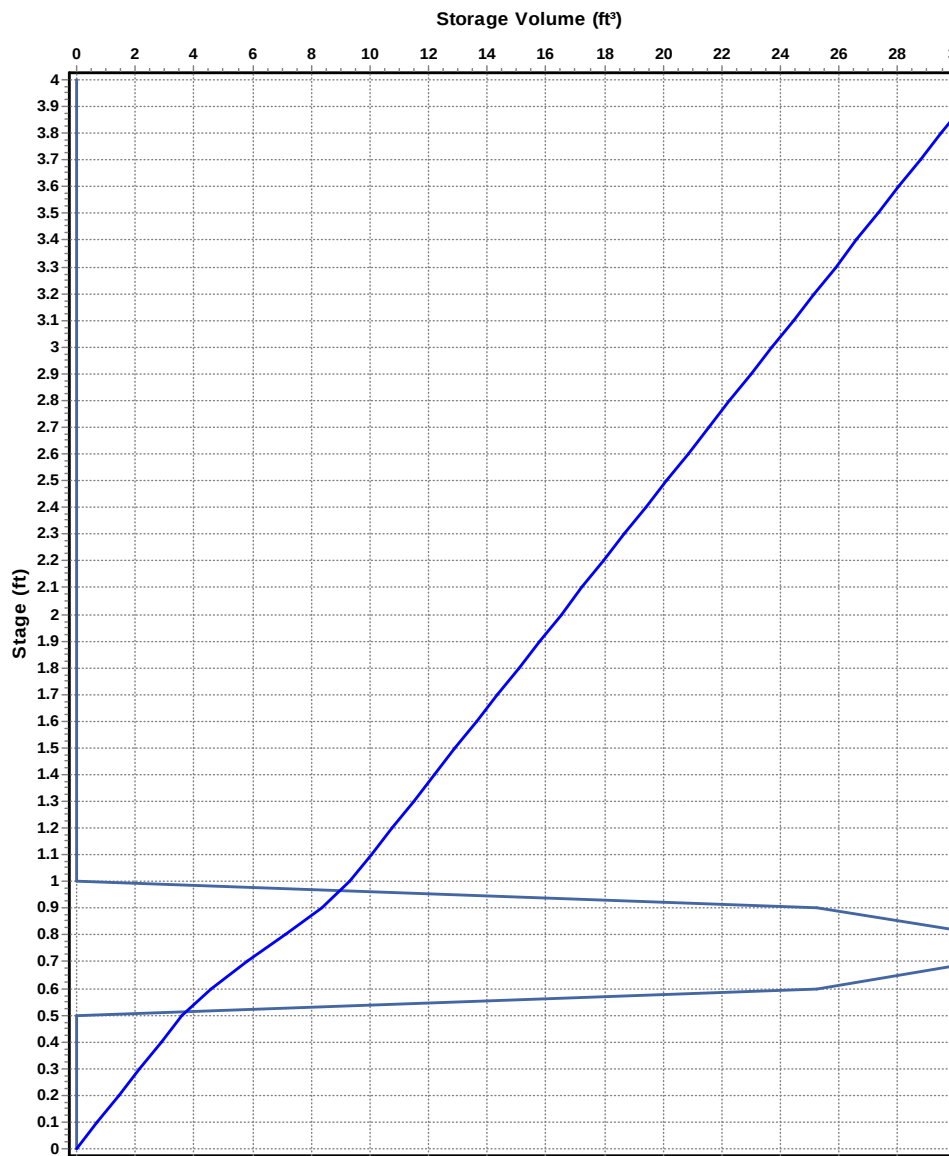
Infiltration/Exfiltration

Exfiltration Rate (in/hr)	0.1
---------------------------------	-----

Storage Area Volume Curves

Storage Curve : Island-Typ

Stage	Storage Area	Storage Volume
(ft)	(ft²)	(ft³)
0	7.1667	0
0.1	7.1667	0.72
0.2	7.1667	1.44
0.3	7.1667	2.16
0.4	7.1667	2.88
0.5	7.1667	3.6
0.6	11.9667	4.56
0.7	13.0454	5.81
0.8	13.0454	7.11
0.9	11.9667	8.36
1	7.1667	9.32
1.1	7.1667	10.04
1.2	7.1667	10.76
1.3	7.1667	11.48
1.4	7.1667	12.2
1.5	7.1667	12.92
1.6	7.1667	13.64
1.7	7.1667	14.36
1.8	7.1667	15.08
1.9	7.1667	15.8
2	7.1667	16.52
2.1	7.1667	17.24
2.2	7.1667	17.96

Storage Area Volume Curves

Storage Node : Stor-16 (continued)

Output Summary Results

Peak Inflow (cfs)	0.08
Peak Lateral Inflow (cfs)	0.08
Peak Outflow (cfs)	0
Peak Exfiltration Flow Rate (cfm)	0.01
Max HGL Elevation Attained (ft)	1909
Max HGL Depth Attained (ft)	3
Average HGL Elevation Attained (ft)	1908.5
Average HGL Depth Attained (ft)	2.5
Time of Max HGL Occurrence (days hh:mm)	0 00:09
Total Exfiltration Volume (1000-ft³)	0.007
Total Flooded Volume (ac-in)	0
Total Time Flooded (min)	6
Total Retention Time (sec)	0

Storage Node : Stor-17

Input Data

Invert Elevation (ft)	1907.00
Max (Rim) Elevation (ft)	1910.00
Max (Rim) Offset (ft)	3.00
Initial Water Elevation (ft)	0.00
Initial Water Depth (ft)	-1907.00
Ponded Area (ft²)	0.00
Evaporation Loss	0.00

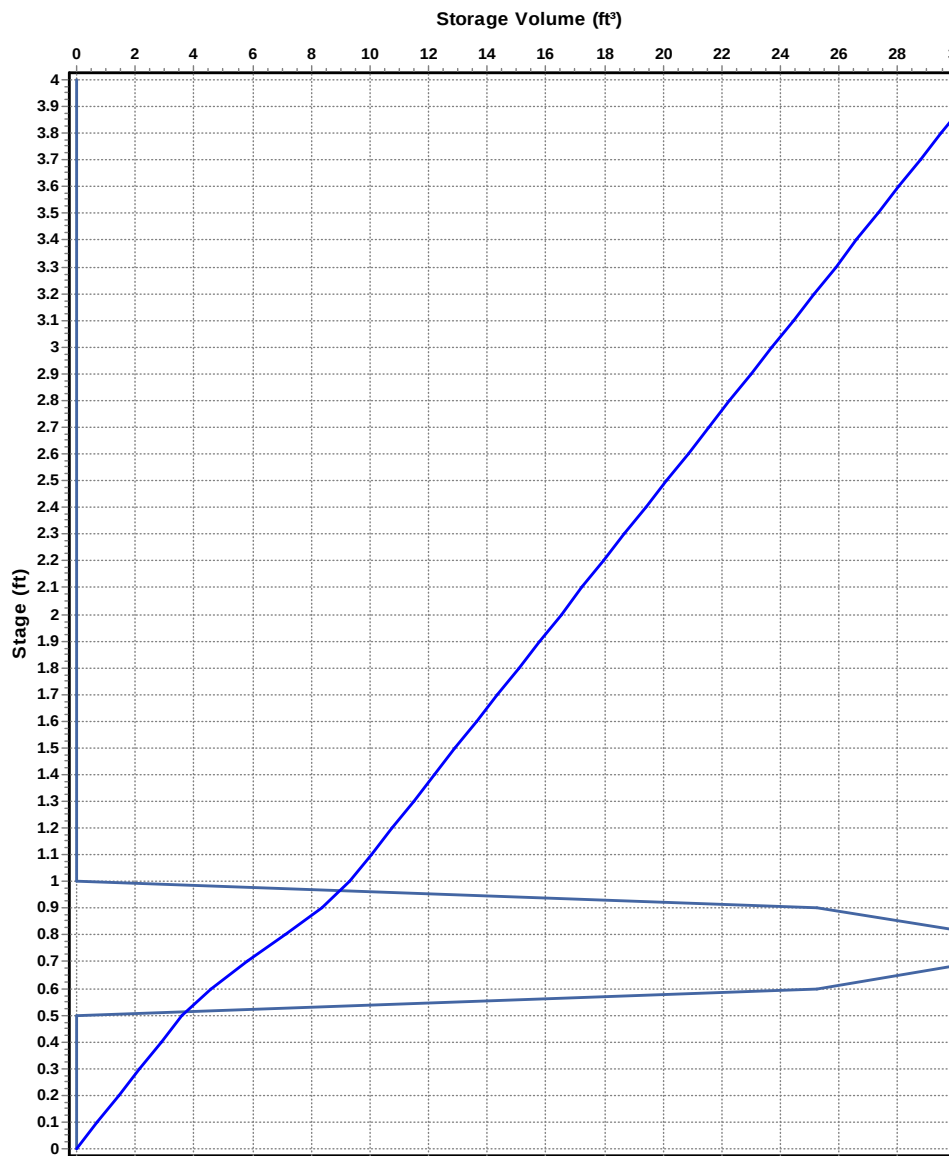
Infiltration/Exfiltration

Exfiltration Rate (in/hr)	0.1
---------------------------------	-----

Storage Area Volume Curves

Storage Curve : Island-Typ

Stage	Storage Area	Storage Volume
(ft)	(ft²)	(ft³)
0	7.1667	0
0.1	7.1667	0.72
0.2	7.1667	1.44
0.3	7.1667	2.16
0.4	7.1667	2.88
0.5	7.1667	3.6
0.6	11.9667	4.56
0.7	13.0454	5.81
0.8	13.0454	7.11
0.9	11.9667	8.36
1	7.1667	9.32
1.1	7.1667	10.04
1.2	7.1667	10.76
1.3	7.1667	11.48
1.4	7.1667	12.2
1.5	7.1667	12.92
1.6	7.1667	13.64
1.7	7.1667	14.36
1.8	7.1667	15.08
1.9	7.1667	15.8
2	7.1667	16.52
2.1	7.1667	17.24
2.2	7.1667	17.96

Storage Area Volume Curves

Storage Node : Stor-17 (continued)

Output Summary Results

Peak Inflow (cfs)	0.01
Peak Lateral Inflow (cfs)	0.01
Peak Outflow (cfs)	0
Peak Exfiltration Flow Rate (cfm)	0
Max HGL Elevation Attained (ft)	1907.5
Max HGL Depth Attained (ft)	0.5
Average HGL Elevation Attained (ft)	1907.34
Average HGL Depth Attained (ft)	0.34
Time of Max HGL Occurrence (days hh:mm)	0 00:14
Total Exfiltration Volume (1000-ft³)	0.002
Total Flooded Volume (ac-in)	0
Total Time Flooded (min)	0
Total Retention Time (sec)	0

Storage Node : Stor-18**Input Data**

Invert Elevation (ft) 1905.00
 Max (Rim) Elevation (ft) 1908.00
 Max (Rim) Offset (ft) 3.00
 Initial Water Elevation (ft) 0.00
 Initial Water Depth (ft) -1905.00
 Ponded Area (ft²) 0.00
 Evaporation Loss 0.00

Infiltration/Exfiltration

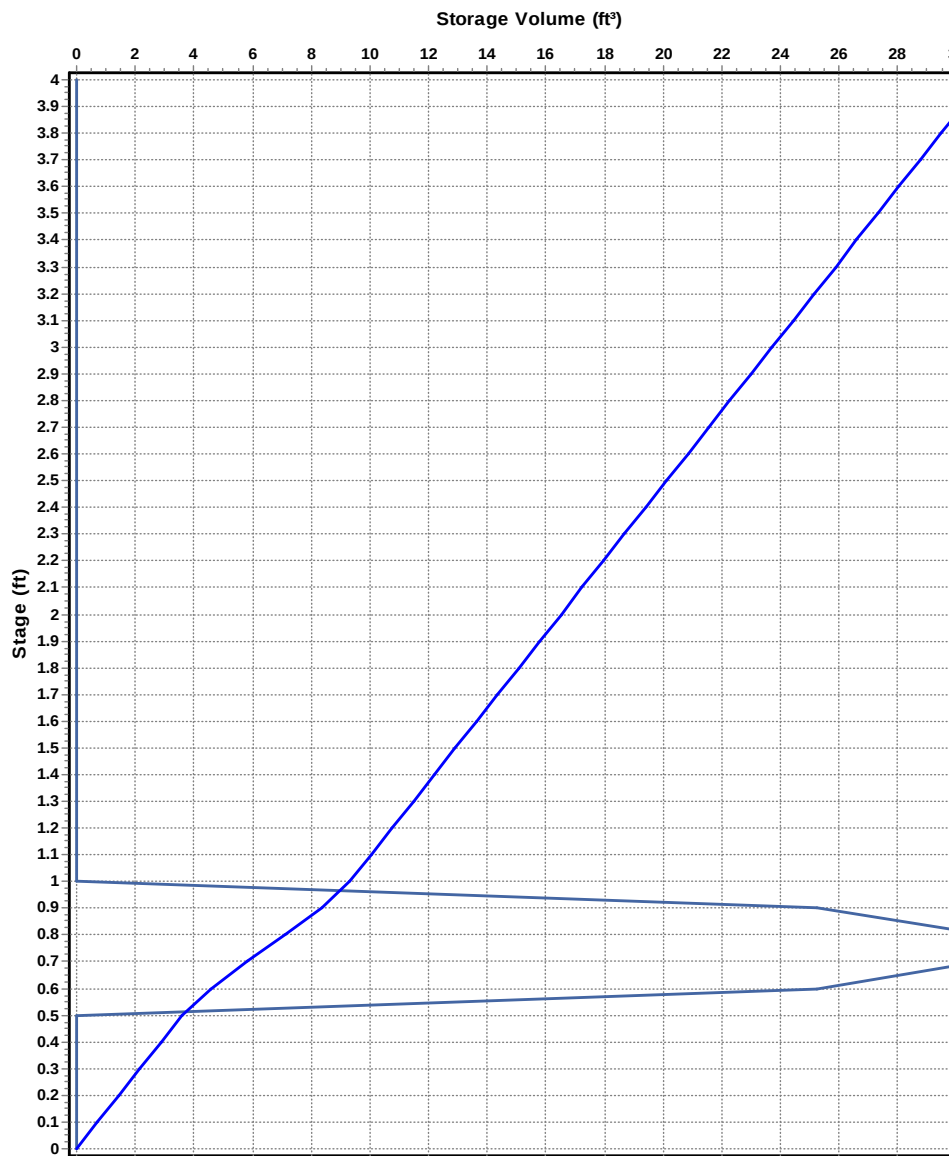
Exfiltration Rate (in/hr) 0.1

Storage Area Volume Curves

Storage Curve : Island-Typ

Stage	Storage Area	Storage Volume
(ft)	(ft²)	(ft³)
0	7.1667	0
0.1	7.1667	0.72
0.2	7.1667	1.44
0.3	7.1667	2.16
0.4	7.1667	2.88
0.5	7.1667	3.6
0.6	11.9667	4.56
0.7	13.0454	5.81
0.8	13.0454	7.11
0.9	11.9667	8.36
1	7.1667	9.32
1.1	7.1667	10.04
1.2	7.1667	10.76
1.3	7.1667	11.48
1.4	7.1667	12.2
1.5	7.1667	12.92
1.6	7.1667	13.64
1.7	7.1667	14.36
1.8	7.1667	15.08
1.9	7.1667	15.8
2	7.1667	16.52
2.1	7.1667	17.24
2.2	7.1667	17.96

Storage Area Volume Curves



Storage Node : Stor-18 (continued)

Output Summary Results

Peak Inflow (cfs)	0.08
Peak Lateral Inflow (cfs)	0.08
Peak Outflow (cfs)	0
Peak Exfiltration Flow Rate (cfm)	0.01
Max HGL Elevation Attained (ft)	1908
Max HGL Depth Attained (ft)	3
Average HGL Elevation Attained (ft)	1907.5
Average HGL Depth Attained (ft)	2.5
Time of Max HGL Occurrence (days hh:mm)	0 00:09
Total Exfiltration Volume (1000-ft³)	0.007
Total Flooded Volume (ac-in)	0
Total Time Flooded (min)	5
Total Retention Time (sec)	0

Storage Node : Stor-19**Input Data**

Invert Elevation (ft) 1906.00
 Max (Rim) Elevation (ft) 1909.00
 Max (Rim) Offset (ft) 3.00
 Initial Water Elevation (ft) 0.00
 Initial Water Depth (ft) -1906.00
 Ponded Area (ft²) 0.00
 Evaporation Loss 0.00

Infiltration/Exfiltration

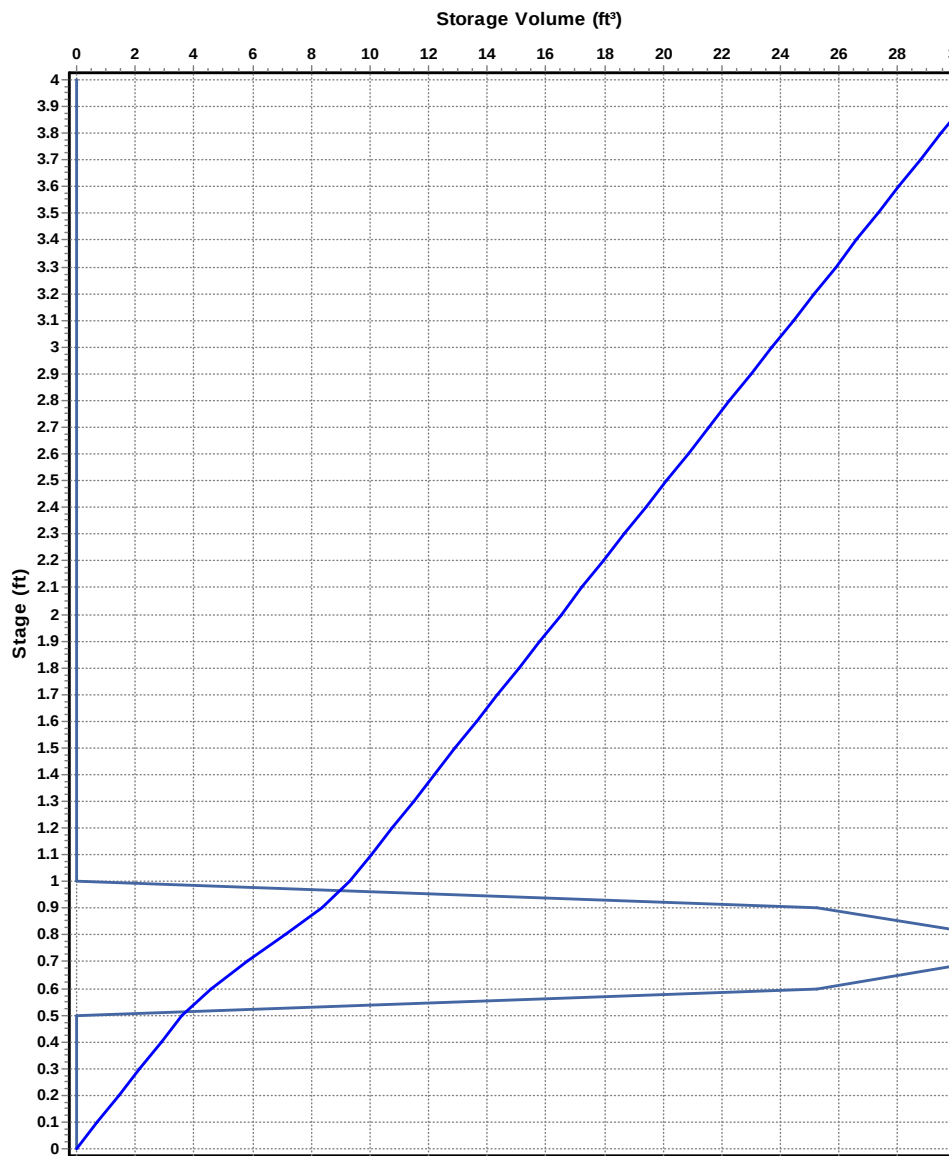
Exfiltration Rate (in/hr) 0.1

Storage Area Volume Curves

Storage Curve : Island-Typ

Stage	Storage Area	Storage Volume
(ft)	(ft ²)	(ft ³)
0	7.1667	0
0.1	7.1667	0.72
0.2	7.1667	1.44
0.3	7.1667	2.16
0.4	7.1667	2.88
0.5	7.1667	3.6
0.6	11.9667	4.56
0.7	13.0454	5.81
0.8	13.0454	7.11
0.9	11.9667	8.36
1	7.1667	9.32
1.1	7.1667	10.04
1.2	7.1667	10.76
1.3	7.1667	11.48
1.4	7.1667	12.2
1.5	7.1667	12.92
1.6	7.1667	13.64
1.7	7.1667	14.36
1.8	7.1667	15.08
1.9	7.1667	15.8
2	7.1667	16.52
2.1	7.1667	17.24
2.2	7.1667	17.96

Storage Area Volume Curves



Storage Node : Stor-19 (continued)

Output Summary Results

Peak Inflow (cfs)	0.01
Peak Lateral Inflow (cfs)	0.01
Peak Outflow (cfs)	0
Peak Exfiltration Flow Rate (cfm)	0
Max HGL Elevation Attained (ft)	1906.37
Max HGL Depth Attained (ft)	0.37
Average HGL Elevation Attained (ft)	1906.23
Average HGL Depth Attained (ft)	0.23
Time of Max HGL Occurrence (days hh:mm)	0 00:14
Total Exfiltration Volume (1000-ft³)	0.002
Total Flooded Volume (ac-in)	0
Total Time Flooded (min)	0
Total Retention Time (sec)	0

Storage Node : Stor-20**Input Data**

Invert Elevation (ft) 1903.00
 Max (Rim) Elevation (ft) 1906.00
 Max (Rim) Offset (ft) 3.00
 Initial Water Elevation (ft) 0.00
 Initial Water Depth (ft) -1903.00
 Ponded Area (ft²) 0.00
 Evaporation Loss 0.00

Infiltration/Exfiltration

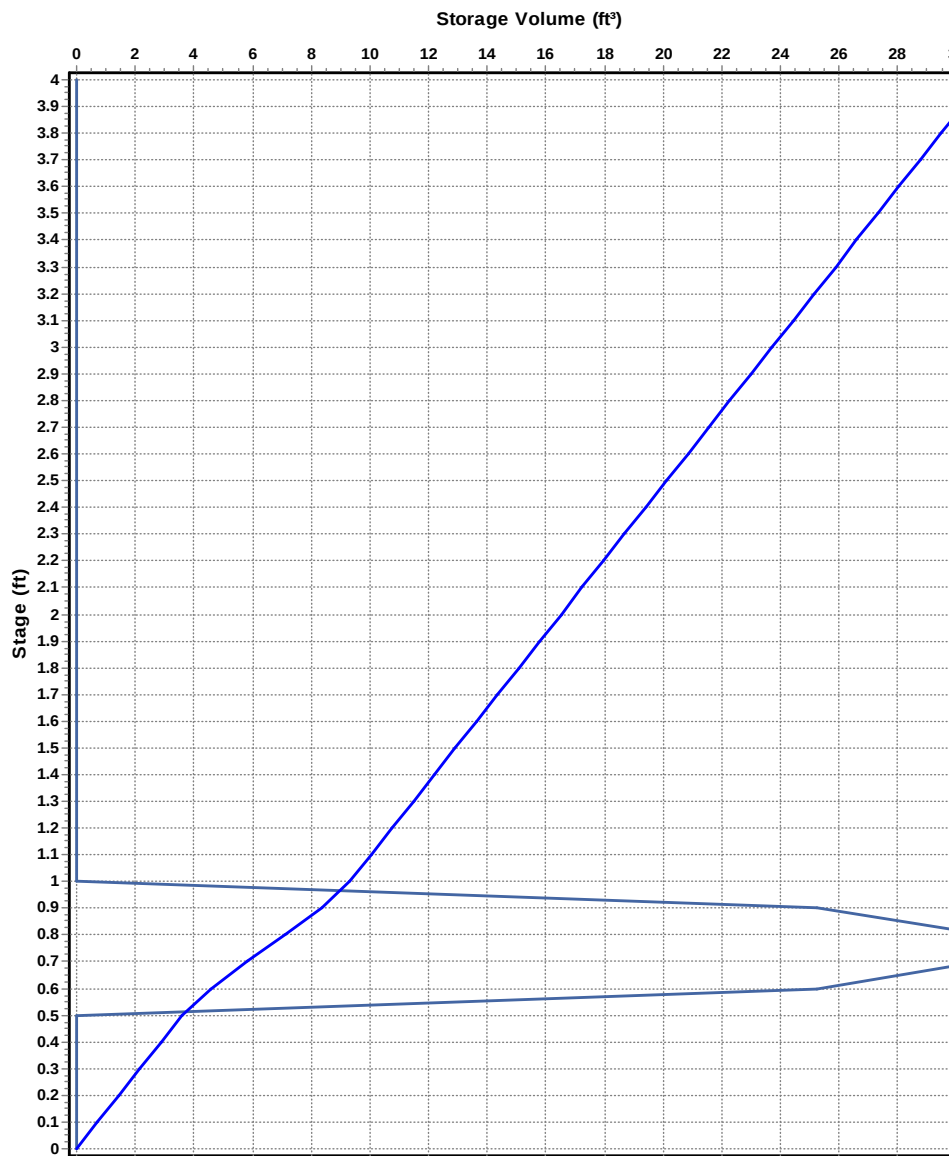
Exfiltration Rate (in/hr) 0.1

Storage Area Volume Curves

Storage Curve : Island-Typ

Stage	Storage Area	Storage Volume
(ft)	(ft ²)	(ft ³)
0	7.1667	0
0.1	7.1667	0.72
0.2	7.1667	1.44
0.3	7.1667	2.16
0.4	7.1667	2.88
0.5	7.1667	3.6
0.6	11.9667	4.56
0.7	13.0454	5.81
0.8	13.0454	7.11
0.9	11.9667	8.36
1	7.1667	9.32
1.1	7.1667	10.04
1.2	7.1667	10.76
1.3	7.1667	11.48
1.4	7.1667	12.2
1.5	7.1667	12.92
1.6	7.1667	13.64
1.7	7.1667	14.36
1.8	7.1667	15.08
1.9	7.1667	15.8
2	7.1667	16.52
2.1	7.1667	17.24
2.2	7.1667	17.96

Storage Area Volume Curves



Storage Node : Stor-20 (continued)**Output Summary Results**

Peak Inflow (cfs)	0.04
Peak Lateral Inflow (cfs)	0.04
Peak Outflow (cfs)	0
Peak Exfiltration Flow Rate (cfm)	0
Max HGL Elevation Attained (ft)	1905.16
Max HGL Depth Attained (ft)	2.16
Average HGL Elevation Attained (ft)	1904.77
Average HGL Depth Attained (ft)	1.77
Time of Max HGL Occurrence (days hh:mm)	0 00:14
Total Exfiltration Volume (1000-ft ³)	0.005
Total Flooded Volume (ac-in)	0
Total Time Flooded (min)	0
Total Retention Time (sec)	0

Storage Node : Stor-21**Input Data**

Invert Elevation (ft) 1903.00
 Max (Rim) Elevation (ft) 1906.00
 Max (Rim) Offset (ft) 3.00
 Initial Water Elevation (ft) 0.00
 Initial Water Depth (ft) -1903.00
 Ponded Area (ft²) 0.00
 Evaporation Loss 0.00

Infiltration/Exfiltration

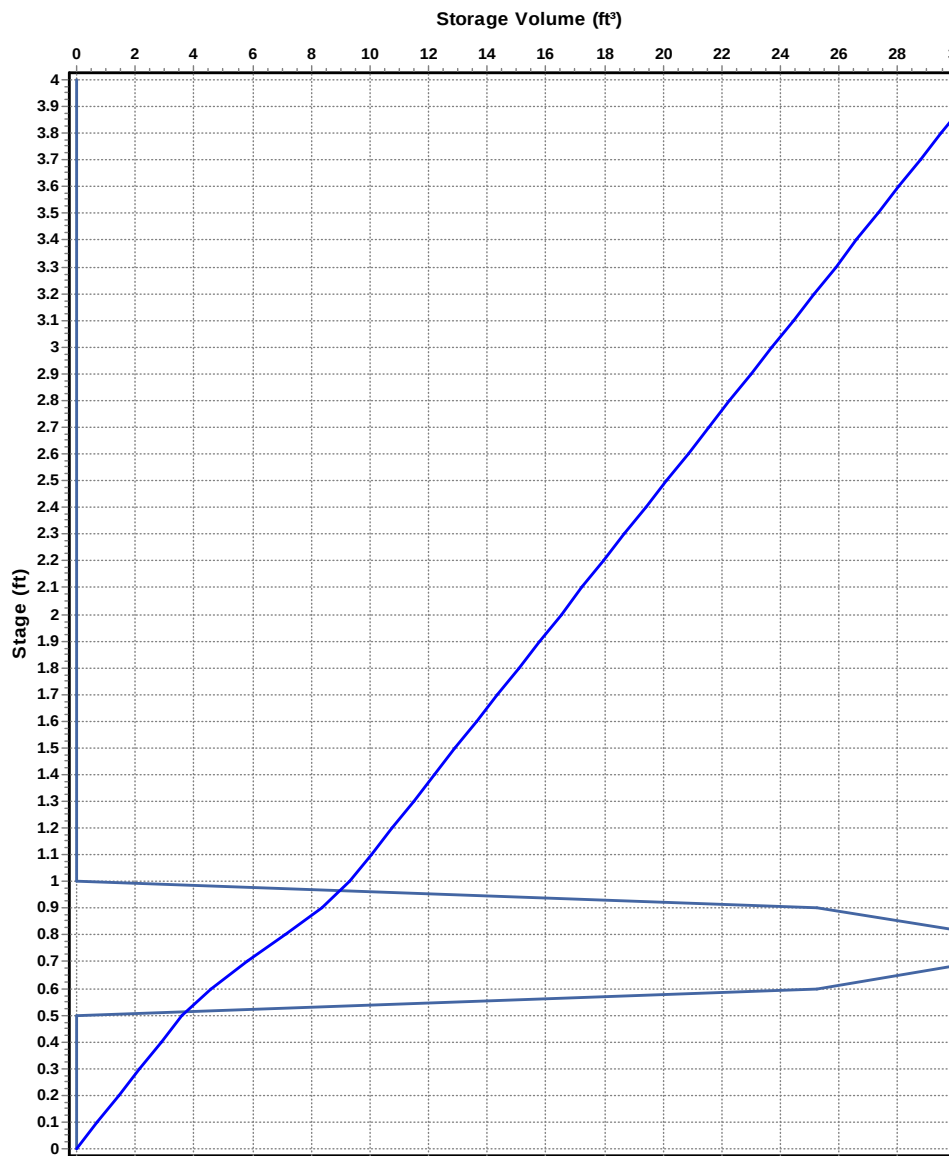
Exfiltration Rate (in/hr) 0.1

Storage Area Volume Curves

Storage Curve : Island-Typ

Stage	Storage Area	Storage Volume
(ft)	(ft ²)	(ft ³)
0	7.1667	0
0.1	7.1667	0.72
0.2	7.1667	1.44
0.3	7.1667	2.16
0.4	7.1667	2.88
0.5	7.1667	3.6
0.6	11.9667	4.56
0.7	13.0454	5.81
0.8	13.0454	7.11
0.9	11.9667	8.36
1	7.1667	9.32
1.1	7.1667	10.04
1.2	7.1667	10.76
1.3	7.1667	11.48
1.4	7.1667	12.2
1.5	7.1667	12.92
1.6	7.1667	13.64
1.7	7.1667	14.36
1.8	7.1667	15.08
1.9	7.1667	15.8
2	7.1667	16.52
2.1	7.1667	17.24
2.2	7.1667	17.96

Storage Area Volume Curves



Storage Node : Stor-21 (continued)

Output Summary Results

Peak Inflow (cfs)	0.07
Peak Lateral Inflow (cfs)	0.07
Peak Outflow (cfs)	0
Peak Exfiltration Flow Rate (cfm)	0.01
Max HGL Elevation Attained (ft)	1906
Max HGL Depth Attained (ft)	3
Average HGL Elevation Attained (ft)	1905.5
Average HGL Depth Attained (ft)	2.5
Time of Max HGL Occurrence (days hh:mm)	0 00:10
Total Exfiltration Volume (1000-ft³)	0.007
Total Flooded Volume (ac-in)	0
Total Time Flooded (min)	4
Total Retention Time (sec)	0

Storage Node : Stor-22**Input Data**

Invert Elevation (ft) 1902.50
 Max (Rim) Elevation (ft) 1905.50
 Max (Rim) Offset (ft) 3.00
 Initial Water Elevation (ft) 0.00
 Initial Water Depth (ft) -1902.50
 Ponded Area (ft²) 0.00
 Evaporation Loss 0.00

Infiltration/Exfiltration

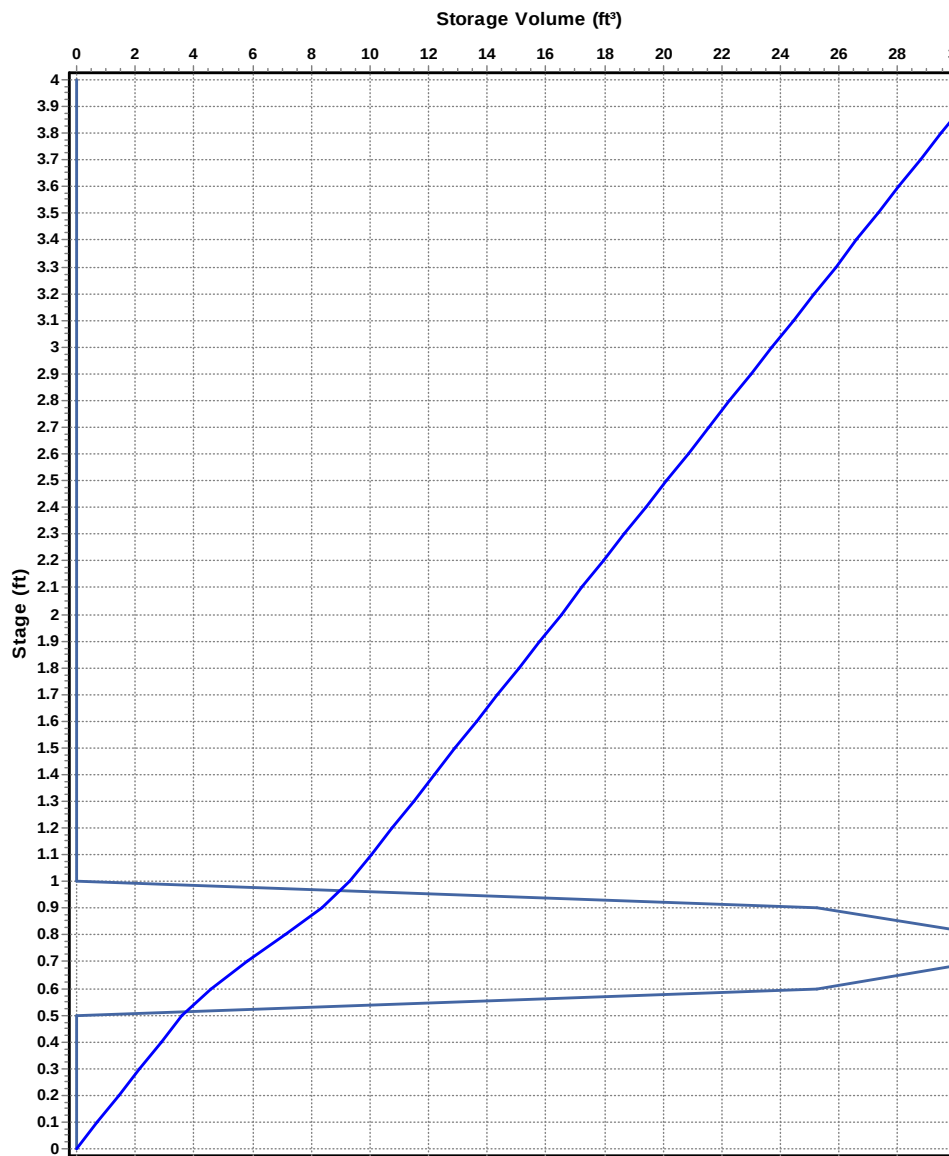
Exfiltration Rate (in/hr) 0.1

Storage Area Volume Curves

Storage Curve : Island-Typ

Stage (ft)	Storage Area (ft²)	Storage Volume (ft³)
0	7.1667	0
0.1	7.1667	0.72
0.2	7.1667	1.44
0.3	7.1667	2.16
0.4	7.1667	2.88
0.5	7.1667	3.6
0.6	11.9667	4.56
0.7	13.0454	5.81
0.8	13.0454	7.11
0.9	11.9667	8.36
1	7.1667	9.32
1.1	7.1667	10.04
1.2	7.1667	10.76
1.3	7.1667	11.48
1.4	7.1667	12.2
1.5	7.1667	12.92
1.6	7.1667	13.64
1.7	7.1667	14.36
1.8	7.1667	15.08
1.9	7.1667	15.8
2	7.1667	16.52
2.1	7.1667	17.24
2.2	7.1667	17.96

Storage Area Volume Curves



Storage Node : Stor-22 (continued)

Output Summary Results

Peak Inflow (cfs)	0.06
Peak Lateral Inflow (cfs)	0.06
Peak Outflow (cfs)	0
Peak Exfiltration Flow Rate (cfm)	0.01
Max HGL Elevation Attained (ft)	1905.5
Max HGL Depth Attained (ft)	3
Average HGL Elevation Attained (ft)	1905
Average HGL Depth Attained (ft)	2.5
Time of Max HGL Occurrence (days hh:mm)	0 00:11
Total Exfiltration Volume (1000-ft³)	0.007
Total Flooded Volume (ac-in)	0
Total Time Flooded (min)	4
Total Retention Time (sec)	0

Storage Node : Stor-23**Input Data**

Invert Elevation (ft) 1902.00
 Max (Rim) Elevation (ft) 1905.00
 Max (Rim) Offset (ft) 3.00
 Initial Water Elevation (ft) 0.00
 Initial Water Depth (ft) -1902.00
 Ponded Area (ft²) 0.00
 Evaporation Loss 0.00

Infiltration/Exfiltration

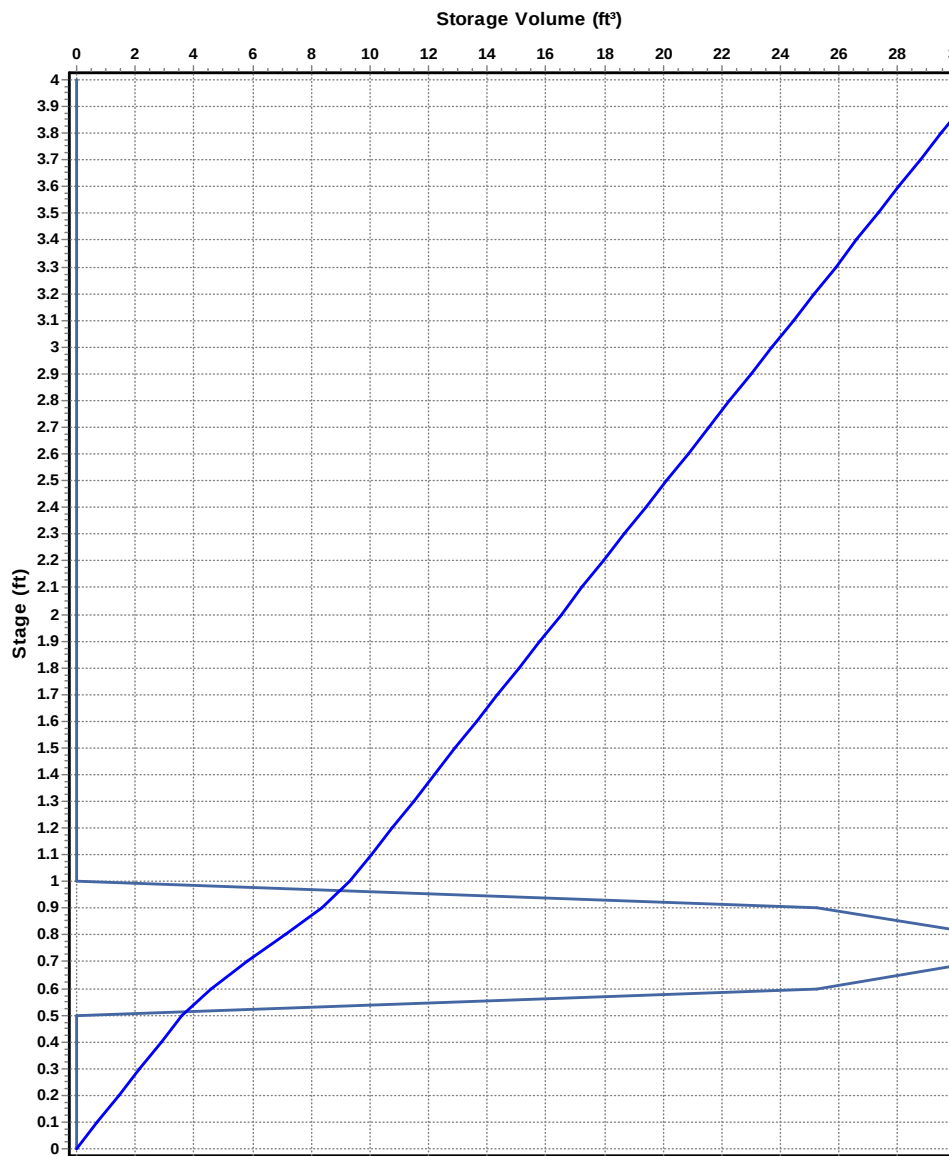
Exfiltration Rate (in/hr) 0.1

Storage Area Volume Curves

Storage Curve : Island-Typ

Stage	Storage Area	Storage Volume
(ft)	(ft ²)	(ft ³)
0	7.1667	0
0.1	7.1667	0.72
0.2	7.1667	1.44
0.3	7.1667	2.16
0.4	7.1667	2.88
0.5	7.1667	3.6
0.6	11.9667	4.56
0.7	13.0454	5.81
0.8	13.0454	7.11
0.9	11.9667	8.36
1	7.1667	9.32
1.1	7.1667	10.04
1.2	7.1667	10.76
1.3	7.1667	11.48
1.4	7.1667	12.2
1.5	7.1667	12.92
1.6	7.1667	13.64
1.7	7.1667	14.36
1.8	7.1667	15.08
1.9	7.1667	15.8
2	7.1667	16.52
2.1	7.1667	17.24
2.2	7.1667	17.96

Storage Area Volume Curves



Storage Node : Stor-23 (continued)

Output Summary Results

Peak Inflow (cfs)	0.09
Peak Lateral Inflow (cfs)	0.09
Peak Outflow (cfs)	0
Peak Exfiltration Flow Rate (cfm)	0.01
Max HGL Elevation Attained (ft)	1905
Max HGL Depth Attained (ft)	3
Average HGL Elevation Attained (ft)	1904.5
Average HGL Depth Attained (ft)	2.5
Time of Max HGL Occurrence (days hh:mm)	0 00:08
Total Exfiltration Volume (1000-ft³)	0.007
Total Flooded Volume (ac-in)	0
Total Time Flooded (min)	6
Total Retention Time (sec)	0

Storage Node : Stor-24

Input Data

Invert Elevation (ft)	1902.50
Max (Rim) Elevation (ft)	1905.50
Max (Rim) Offset (ft)	3.00
Initial Water Elevation (ft)	0.00
Initial Water Depth (ft)	-1902.50
Ponded Area (ft²)	0.00
Evaporation Loss	0.00

Infiltration/Exfiltration

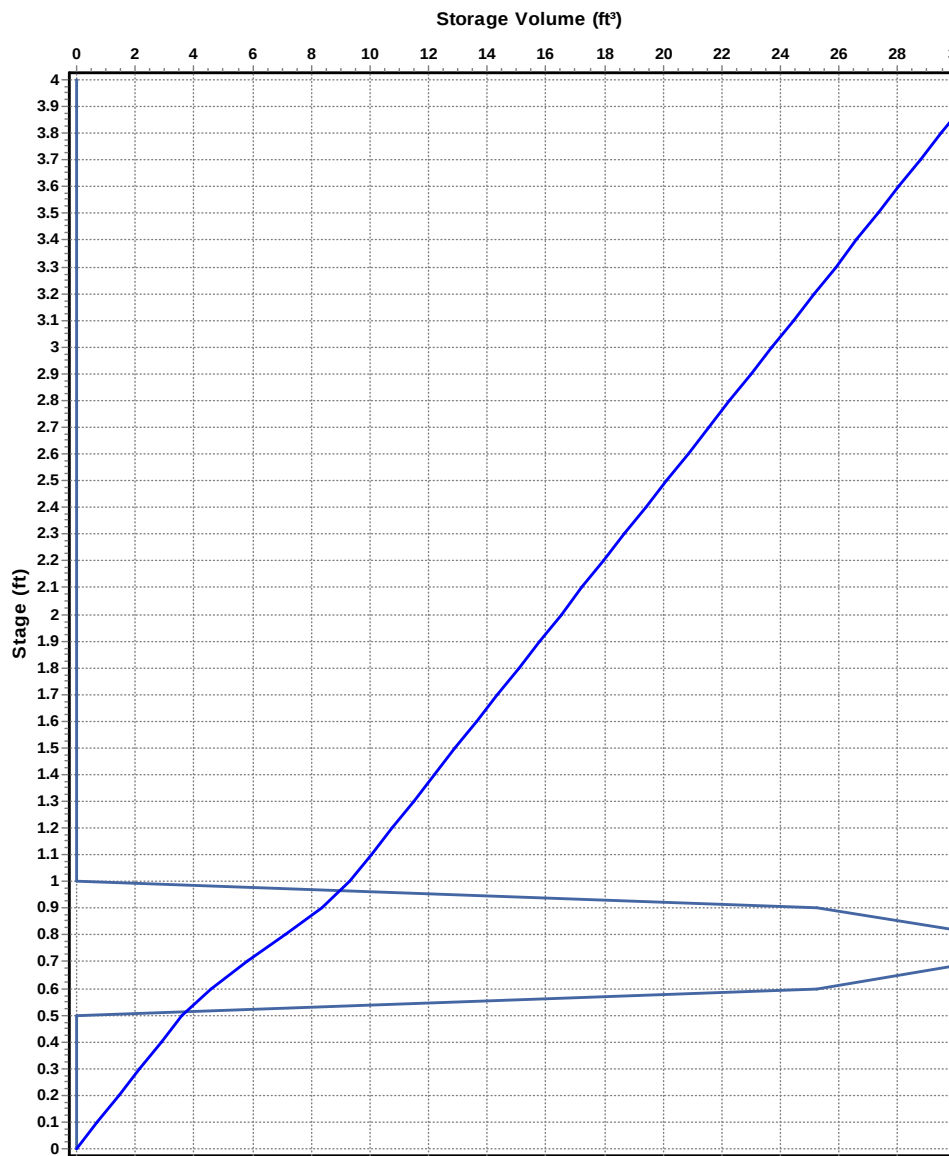
Exfiltration Rate (in/hr)	0.1
---------------------------------	-----

Storage Area Volume Curves

Storage Curve : Island-Typ

Stage	Storage Area	Storage Volume
(ft)	(ft²)	(ft³)
0	7.1667	0
0.1	7.1667	0.72
0.2	7.1667	1.44
0.3	7.1667	2.16
0.4	7.1667	2.88
0.5	7.1667	3.6
0.6	11.9667	4.56
0.7	13.0454	5.81
0.8	13.0454	7.11
0.9	11.9667	8.36
1	7.1667	9.32
1.1	7.1667	10.04
1.2	7.1667	10.76
1.3	7.1667	11.48
1.4	7.1667	12.2
1.5	7.1667	12.92
1.6	7.1667	13.64
1.7	7.1667	14.36
1.8	7.1667	15.08
1.9	7.1667	15.8
2	7.1667	16.52
2.1	7.1667	17.24
2.2	7.1667	17.96

Storage Area Volume Curves



Storage Node : Stor-24 (continued)

Output Summary Results

Peak Inflow (cfs)	0.11
Peak Lateral Inflow (cfs)	0.11
Peak Outflow (cfs)	0.11
Peak Exfiltration Flow Rate (cfm)	0
Max HGL Elevation Attained (ft)	1905.03
Max HGL Depth Attained (ft)	2.53
Average HGL Elevation Attained (ft)	1904.57
Average HGL Depth Attained (ft)	2.07
Time of Max HGL Occurrence (days hh:mm)	0 00:07
Total Exfiltration Volume (1000-ft³)	0.006
Total Flooded Volume (ac-in)	0
Total Time Flooded (min)	0
Total Retention Time (sec)	0

Storage Node : Stor-25**Input Data**

Invert Elevation (ft) 1903.00
 Max (Rim) Elevation (ft) 1908.00
 Max (Rim) Offset (ft) 5.00
 Initial Water Elevation (ft) 0.00
 Initial Water Depth (ft) -1903.00
 Ponded Area (ft²) 0.00
 Evaporation Loss 0.00

Infiltration/Exfiltration

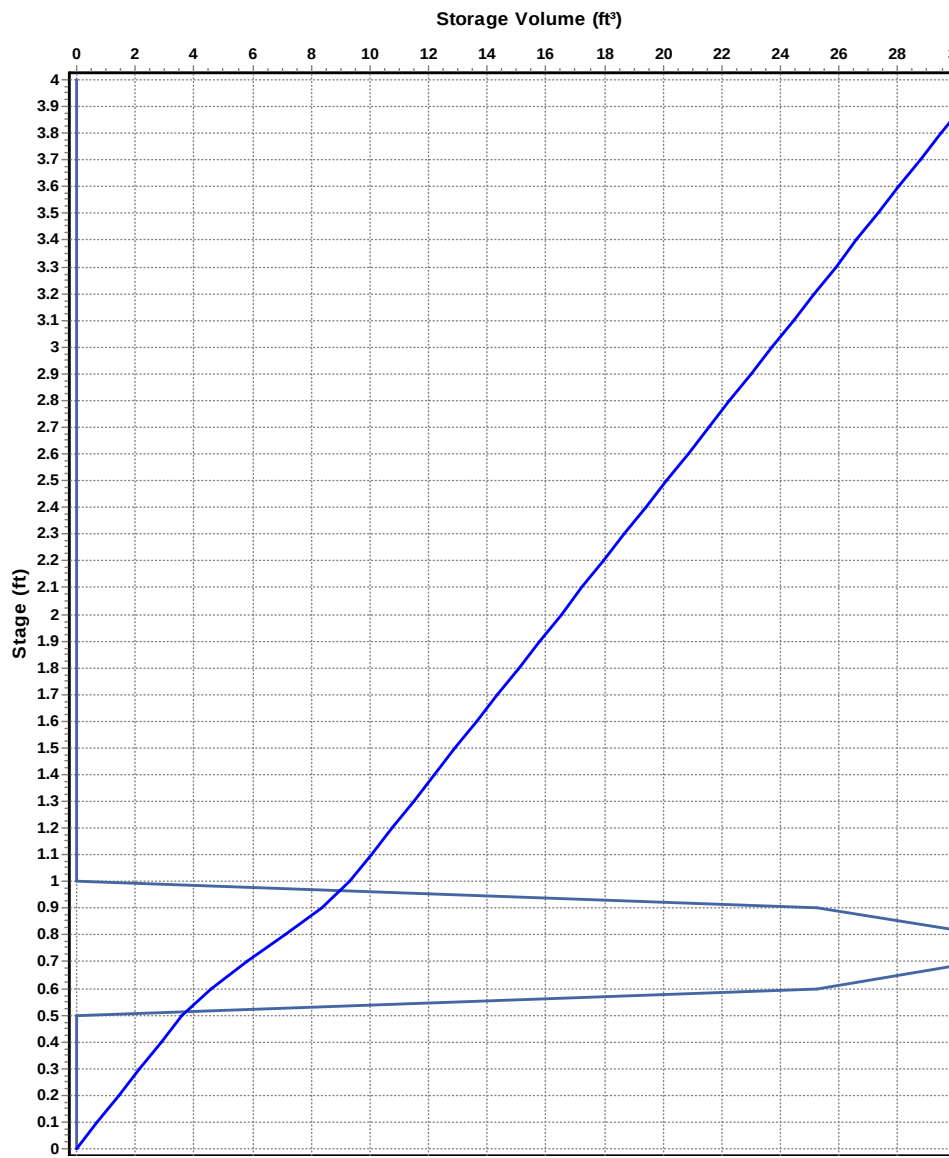
Exfiltration Rate (in/hr) 0.1

Storage Area Volume Curves

Storage Curve : Island-Typ

Stage (ft)	Storage Area (ft²)	Storage Volume (ft³)
0	7.1667	0
0.1	7.1667	0.72
0.2	7.1667	1.44
0.3	7.1667	2.16
0.4	7.1667	2.88
0.5	7.1667	3.6
0.6	11.9667	4.56
0.7	13.0454	5.81
0.8	13.0454	7.11
0.9	11.9667	8.36
1	7.1667	9.32
1.1	7.1667	10.04
1.2	7.1667	10.76
1.3	7.1667	11.48
1.4	7.1667	12.2
1.5	7.1667	12.92
1.6	7.1667	13.64
1.7	7.1667	14.36
1.8	7.1667	15.08
1.9	7.1667	15.8
2	7.1667	16.52
2.1	7.1667	17.24
2.2	7.1667	17.96

Storage Area Volume Curves



Storage Node : Stor-25 (continued)

Output Summary Results

Peak Inflow (cfs)	0.11
Peak Lateral Inflow (cfs)	0.11
Peak Outflow (cfs)	0
Peak Exfiltration Flow Rate (cfm)	0.01
Max HGL Elevation Attained (ft)	1908
Max HGL Depth Attained (ft)	5
Average HGL Elevation Attained (ft)	1907.22
Average HGL Depth Attained (ft)	4.22
Time of Max HGL Occurrence (days hh:mm)	0 00:10
Total Exfiltration Volume (1000-ft³)	0.01
Total Flooded Volume (ac-in)	0
Total Time Flooded (min)	4
Total Retention Time (sec)	0