

DRAINAGE REPORT

For

**The Manor
Adult Living Facility
4201 South 25th Street
Ft. Pierce, Florida**

In

St. Lucie County

Prepared for

Red Lion Construction, Inc.
7548 South U.S. Highway #1
Port St. Lucie, Florida 34952
727-463-3800

Prepared By

Richard M. Ladyko, P.E.
Fla. Registration #34288
Ladyko Design Group, LLC
Engineers, Planners, Construction Managers
4400 Belle Grove Drive
Ft. Pierce, FL 34981
Phone: 772-530-8261
Certificate of Authorization #28610

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Applicable Codes the Design is Intended to Meet:

City of Fort Pierce Land Development Code.
North St. Lucie River Water Control District Requirement
South Florida Water Management District Water Quality and Quantity
Standards for Environmental Resource Permits (Volume IV).

Computer Programs used for the specifications and/or calculations:

S.F.W.M.D. Cascade.

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SECTION "I"

Drainage Narrative

The Manor Adult Living Facility
4201 South 25th Street
Fort Pierce, Florida

Drainage Narrative

The proposed development is located approx. 0.50 miles north of Midway Road on the west side of South 25th Street, in Fort Pierce, Florida. The site is 1.36 acres in size and is currently vacant.

The Future Land Use Designation of the property is Low Density Residential (RL) with a Zoning Designation of Commercial Office (C-1). The new owner, Red Lion Construction, Inc., proposes to develop an Adult Congregate Living Facility on the property. The proposed facility will consist of 26,926 s.f. of building to be constructed in two phases, 10,961 s.f. of pavement and sidewalk, 9,067 s.f. of dry detention area and 12,246 s.f. of open space.

It is the intent of the developer of construct the project in two phases, with all of the pavement, sidewalk and dry detention area to be constructed with the first phase. The phase will include 16,478 s.f. of the proposed building structure.

The project will be designed with consideration of the rules and requirements of the City of Fort Pierce, South Florida Water Management District and the North St. Lucie River Water Control District.

Consideration will be given to the Minimum Finished Floor Elevation will be based upon the 100 year, 3 day, zero discharge event stage, the minimum perimeter grade, based upon the 25 year, 3 day event, the minimum discharge from the site, based upon the N.S.L.R. W.C.D., 10 year, 3 day event and the minimum pavement elevation which will be based upon the 10 year, 1 day storm event.

Discharge from the site will be to the North St. Lucie River Water Control District Canal #101 after water quality and storm attenuation is provided. Discharge is ultimately to the North Fork of the St. Lucie River, thence to the Intracoastal Waterway. Both bodies are Outstanding Florida Waterways (OFW) and as a result water quality will be provided to the extent of 150% of the required amount.

SECTION "II"

Drainage Calculations

STORMWATER MANAGEMENT CALCULATIONS FOR THE MANOR

THE PROJECT CONSISTS OF A 1.36 ACRE PARCEL LOCATED ON THE WEST SIDE OF SOUTH 25TH STREET IN THE CITY OF FORT PIERCE, FLORIDA. THE PROJECT WILL CONSIST OF 26,926 S.F. OF BUILDING TO BE CONSTRUCTED IN TWO PHASES, 10,961 S.F. OF PAVEMENT AND SIDEWALK, 9,067 S.F. OF DRY DETENTION AND 12,246 S.F. OF OPEN/GREEN SPACE.

WATER QUALITY AND STORM ATTENUATION WILL BE PROVIDED IN THE DRY DETENTION AREA PRIOR TO DISCHARGE TO THE NORTH ST. LUCIE RIVER WATER CONTROL DISTRICT CANAL #101. FLOW IS ULTIMATELY TO THE NORTH FORK OF THE ST. LUCIE RIVER, SO AS A RESULT 150% OF THE REQUIRED ATTENUATION AMOUNT WILL BE PROVIDED

LAND USE BREAKDOWN

	<u>AREA</u>	<u>% IMP</u>	<u>IMP. AREA</u>
BUILDING	0.62 Ac	100%	0.62 Ac
PAVEMENTS WALKS	0.25 Ac	100%	0.25 Ac
DRY DETENTION	0.21 Ac	0%	0.00
OPEN/GREEN SPACE	0.28 Ac	0%	0.00
	<u>1.36 Ac</u>		<u>0.87 Ac</u>

% IMPERVIOUS

$$\frac{0.87}{1.36} \times 100 = 63.97\%$$

PERVIOUS AREA

$$1.36 - 0.87 = 0.49 \text{ Ac.}$$

COMPUTE SCS CURVE NUMBER

AUG. GRADE ELEV. = 10.00

CONTROL ELEV = 5.00

5.00 DEPTH TO WATER TABLE
(USE 4.0' MAX.)

USE S.F.W.M.D.

S.W.E.R.P. HANDBOOK

4.0' → USE 10.9"

$10.9 \times 0.75 = \underline{8.18''}$

AVAILABLE SOIL STORAGE

$\frac{8.18}{12} \times 0.49 \text{ Ac} = 0.334$

EQUIVALENT SOIL STORAGE

$\frac{0.334}{1.36} \times 12 = 2.95''$

$CN = \frac{1000}{10 + 2.95} = \frac{1000}{12.95} = \underline{77}$

THE MANOR ADULT LIVING FACILITY
JOB #18-065

STAGE VERSES STORAGE CALCULATIONS

Elevation Ft.	DRY BOT. 0.05 Ac. 7.5 up (v)	DRY SLOPES 0.17 Ac. 7.5-9.0(L)	PAVEMENT 0.22 Ac. 9.0 -10.5.0(L)	OPEN SPACE 0.28 Ac. 9.0 -10.0 (L)	TOTAL AC-FT
6.5	0.000	0.000	0.000	0.000	0.000
7	0.000	0.000	0.000	0.000	0.000
7.5	0.000	0.000	0.000	0.000	0.000
8	0.025	0.014	0.000	0.000	0.039
8.5	0.050	0.057	0.000	0.000	0.107
9	0.075	0.128	0.000	0.000	0.203
9.5	0.100	0.213	0.018	0.035	0.366
10	0.125	0.298	0.073	0.140	0.636
10.5	0.150	0.383	0.165	0.280	0.978
11	0.175	0.468	0.275	0.420	1.338
11.5	0.200	0.553	0.385	0.560	1.698
12	0.225	0.638	0.495	0.700	2.058
12.5	0.250	0.723	0.605	0.840	2.418
13	0.275	0.909	0.715	0.980	2.879
13.5	0.300	0.893	0.825	1.120	3.138
14	0.325	0.978	0.935	1.260	3.498

Richard M. Ladyko, P.E.
Fla. P.E. #34288

COMPUTE MINIMUM RETENTION/DETENTION FOR WATER QUALITY

PROVIDE WATER QUALITY TREATMENT EQUIVALENT TO THE GREATER OF THE FIRST INCH OF RUNOFF OR 2.5 TIMES THE PERCENT IMPERVIOUS

1) FIRST INCH

$$\frac{1}{12} \times 1.36 = 0.113 \text{ Ac} \cdot \text{FT}$$

2) 2.5 TIMES % IMPERVIOUS

a) SITE AREA FOR WATER QUALITY

$$\text{SITE AREA} - (\text{LAKES} + \text{ROOFS} + \text{WETLANDS}) \\ 1.36 - (0 + 0.62 + 0) = 0.74 \text{ Ac}$$

b) IMPERVIOUS AREA

$$0.74 \text{ Ac} - 0.49 \text{ Ac} = 0.25 \text{ Ac}$$

c) % IMPERVIOUS

$$\frac{0.25}{0.74} \times 100\% = 33.78\%$$

d) 2.5 TIMES % IMPERVIOUS

$$.3378 \times 2.5 = 0.845$$

e) VOLUME TO BE DETAINED

$$\frac{.845}{12} \times 0.74 = .052 \text{ Ac} \cdot \text{FT}$$

FIRST INCH CONTROLS → 0.113 Ac·FT

PROVIDE 150% OF THE REQUIRED AMOUNT FOR WATER QUALITY AS THE DISCHARGE IS TO THE NORTH FORK OF THE ST. LUCIE RIVER, AN OUTSTANDING FLORIDA WATER (O.F.W.)

$$0.113 \times 1.50 = 0.1695 \text{ Ac. FT}$$

SET CONTROL STRUCTURE BLEEDER TOP ELEVATION

$$\frac{0.1695 - 0.102}{0.203 - 0.107} = \frac{.0625}{.096} = 0.65 \times .5 = 0.33$$

$$9.0 + 0.33 = 9.33 \text{ (min)}$$

COMPUTE MINIMUM FINISHED FLOOR ELEV., 100yr, 3DAY, 0 DISCH

$$P_{100}(3) = 12.23'' \quad Q = \frac{(12.23 - 0.2(2.95))^2}{12.23 + 0.8(2.95)} = \frac{135.486}{14.59} = 9.28''$$

$$S = 2.95''$$

$$\frac{9.28}{12} \times 1.36 = 1.052 \text{ Ac. FT}$$

$$\frac{1.052 - 0.978}{1.338 - 0.978} = \frac{.074}{0.360} = 0.205 \times .5 = .11$$

$$10.5 + 0.11 = 10.61'$$

USE 11.00' (MIN)

Compute 25 year, 3 DAY, 0 DISCHARGE STAGE

$$P_{25(3)} = 9.5'$$

$$S = 2.95''$$

$$Q = \frac{(9.5 - 0.2(2.95))^2}{9.5 + 0.8(2.95)} = \frac{79.383}{11.860} = 6.69'$$

$$\frac{6.69'}{12} \times 1.36 = 0.758 \text{ Ac. Ft}$$

$$\frac{0.758 - 0.636}{0.978 - 0.636} = \frac{0.122}{0.342} = 0.36 \times .5 = 0.18$$

$$10.00 + 0.18 = 10.18'$$

ALLOWABLE DISCHARGE

DISCHARGE WILL BE TO THE N.S.L.R.W.C.D.
CANAL #101

DISCHARGE IS BASED UPON A VOLUMETRIC
BASIS OF 2.0 INCHES PER DAY OVER THE
1.36 ACRE PARCEL

$$2.0'' \times 1.36 \text{ Ac} = 2.72 \text{ Ac. INCH}$$

$$\frac{2.72 \text{ Ac. IN} / 1 \text{ FT}}{12 \text{ INCH} / 1 \text{ Acre}} \times \frac{43560 \text{ SF}}{\text{Ac}} = 9873.6 \text{ ft}^3 / \text{DAY}$$

$$\frac{9873.6 \text{ ft}^3 / 1 \text{ DAY}}{\text{DAY} / 86400 \text{ SEC}} = 0.114 \text{ C.F.S.}$$

USE MINIMUM SIZE BLEEDER \rightarrow 3" ϕ

SECTION "III"

**PHASE TWO
STORM ROUTINGS**

10 YEAR, 24 HOUR EVENT
MINIMUM ROAD CROWN
5.5 INCHES OF RAINFALL

Project Name: The Manor Adult Living Facility

Reviewer: R. Ladyko

Project Number: 18-065

Period Begin: Jan 01, 2000;0000 hr End: Jan 05, 2000;0000 hr Duration: 96 hr

Time Step: 0.2 hr, Iterations: 10

Basin 1: on-site

Method: Santa Barbara Unit Hydrograph

Rainfall Distribution: SFWMD - 24 hr

Design Frequency: 10 year

1 Day Rainfall: 5.5 inches

Area: 1.36 acres

Ground Storage: 2.95 inches

Time of Concentration: 0.5 hours

Initial Stage: 6.5 ft NGVD

Stage (ft NGVD)	Storage (acre-ft)
6.50	0.00
7.00	0.00
7.50	0.00
8.00	0.04
8.50	0.11
9.00	0.20
9.50	0.37
10.00	0.64
10.50	0.98
11.00	1.34
11.50	1.70
12.00	2.06
12.50	2.42
13.00	2.88

Offsite Receiving Body: Offsite

Time (hr)	Stage (ft NGVD)
0.00	0.00
1000.00	0.00

Structure: 1

From Basin: on-site

To Basin: Offsite

Structure Type: Gravity

Weir: Sharp Crested, Crest Elev = 9.8 ft NGVD, Length = 3 ft

Bleeder: Circular, Invert Elev = 6.5 ft NGVD, Diameter = 0.25 ft

Default Coefs: Weir Coef = 0.6, Orifice Coef = 0.6

Pipe: Diameter = 1.5 ft, Manning's n = 0.024, Length = 35 ft

US Invert Elev = 6 ft NGVD, DS Invert Elev = 5.8 ft NGVD, no flap gate

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
0.00	0.00	0.00	0.00	0.00	6.50	0.00
1.00	0.05	0.00	0.00	0.00	6.50	0.00
2.00	0.11	0.00	0.00	0.00	6.50	0.00
3.00	0.18	0.00	0.00	0.00	6.50	0.00
4.00	0.25	0.00	0.00	0.00	6.50	0.00
5.00	0.34	0.00	0.00	0.00	6.50	0.00
6.00	0.46	0.00	0.00	0.00	6.50	0.00
7.00	0.59	0.00	0.00	0.00	7.50	0.00
8.00	0.75	0.01	0.00	0.00	7.51	0.00
9.00	0.94	0.04	0.00	0.00	6.50	0.00
10.00	1.17	0.08	0.00	0.01	7.50	0.00
11.00	1.48	0.16	0.22	0.02	7.50	0.00

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
12.00	3.61	2.22	0.28	0.03	8.06	0.00
13.00	4.22	0.79	0.34	0.06	8.65	0.00
14.00	4.50	0.36	0.34	0.09	8.73	0.00
15.00	4.68	0.22	0.34	0.12	8.70	0.00
16.00	4.84	0.19	0.34	0.15	8.64	0.00
17.00	4.94	0.12	0.33	0.17	8.56	0.00
18.00	5.04	0.12	0.32	0.20	8.45	0.00
19.00	5.14	0.11	0.31	0.23	8.33	0.00
20.00	5.24	0.11	0.30	0.25	8.22	0.00
21.00	5.30	0.08	0.29	0.27	8.10	0.00
22.00	5.37	0.08	0.27	0.30	7.96	0.00
23.00	5.43	0.08	0.25	0.32	7.76	0.00
24.00	5.50	0.08	0.23	0.34	7.59	0.00
25.00	5.50	0.01	0.00	0.35	7.50	0.00
26.00	5.50	0.00	0.00	0.35	7.51	0.00
27.00	5.50	0.00	0.00	0.35	7.51	0.00
28.00	5.50	0.00	0.00	0.35	7.51	0.00
29.00	5.50	0.00	0.00	0.35	7.51	0.00
30.00	5.50	0.00	0.00	0.35	7.51	0.00
31.00	5.50	0.00	0.00	0.35	7.51	0.00
32.00	5.50	0.00	0.00	0.35	7.51	0.00
33.00	5.50	0.00	0.00	0.35	7.51	0.00
34.00	5.50	0.00	0.00	0.35	7.51	0.00
35.00	5.50	0.00	0.00	0.35	7.51	0.00
36.00	5.50	0.00	0.00	0.35	7.51	0.00
37.00	5.50	0.00	0.00	0.35	7.51	0.00
38.00	5.50	0.00	0.00	0.35	7.51	0.00
39.00	5.50	0.00	0.00	0.35	7.51	0.00
40.00	5.50	0.00	0.00	0.35	7.51	0.00
41.00	5.50	0.00	0.00	0.35	7.51	0.00
42.00	5.50	0.00	0.00	0.35	7.51	0.00
43.00	5.50	0.00	0.00	0.35	7.51	0.00
44.00	5.50	0.00	0.00	0.35	7.51	0.00
45.00	5.50	0.00	0.00	0.35	7.51	0.00
46.00	5.50	0.00	0.00	0.35	7.51	0.00
47.00	5.50	0.00	0.00	0.35	7.51	0.00
48.00	5.50	0.00	0.00	0.35	7.51	0.00
49.00	5.50	0.00	0.00	0.35	7.51	0.00
50.00	5.50	0.00	0.00	0.35	7.51	0.00
51.00	5.50	0.00	0.00	0.35	7.51	0.00
52.00	5.50	0.00	0.00	0.35	7.51	0.00
53.00	5.50	0.00	0.00	0.35	7.51	0.00
54.00	5.50	0.00	0.00	0.35	7.51	0.00
55.00	5.50	0.00	0.00	0.35	7.51	0.00
56.00	5.50	0.00	0.00	0.35	7.51	0.00
57.00	5.50	0.00	0.00	0.35	7.51	0.00
58.00	5.50	0.00	0.00	0.35	7.51	0.00
59.00	5.50	0.00	0.00	0.35	7.51	0.00
60.00	5.50	0.00	0.00	0.35	7.51	0.00
61.00	5.50	0.00	0.00	0.35	7.51	0.00
62.00	5.50	0.00	0.00	0.35	7.51	0.00
63.00	5.50	0.00	0.00	0.35	7.51	0.00
64.00	5.50	0.00	0.00	0.35	7.51	0.00
65.00	5.50	0.00	0.00	0.35	7.51	0.00
66.00	5.50	0.00	0.00	0.35	7.51	0.00
67.00	5.50	0.00	0.00	0.35	7.51	0.00
68.00	5.50	0.00	0.00	0.35	7.51	0.00
69.00	5.50	0.00	0.00	0.35	7.51	0.00
70.00	5.50	0.00	0.00	0.35	7.51	0.00
71.00	5.50	0.00	0.00	0.35	7.51	0.00
72.00	5.50	0.00	0.00	0.35	7.51	0.00
73.00	5.50	0.00	0.00	0.35	7.51	0.00
74.00	5.50	0.00	0.00	0.35	7.51	0.00
75.00	5.50	0.00	0.00	0.35	7.51	0.00
76.00	5.50	0.00	0.00	0.35	7.51	0.00
77.00	5.50	0.00	0.00	0.35	7.51	0.00
78.00	5.50	0.00	0.00	0.35	7.51	0.00
79.00	5.50	0.00	0.00	0.35	7.51	0.00
80.00	5.50	0.00	0.00	0.35	7.51	0.00

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
81.00	5.50	0.00	0.00	0.35	7.51	0.00
82.00	5.50	0.00	0.00	0.35	7.51	0.00
83.00	5.50	0.00	0.00	0.35	7.51	0.00
84.00	5.50	0.00	0.00	0.35	7.51	0.00
85.00	5.50	0.00	0.00	0.35	7.51	0.00
86.00	5.50	0.00	0.00	0.35	7.51	0.00
87.00	5.50	0.00	0.00	0.35	7.51	0.00
88.00	5.50	0.00	0.00	0.35	7.51	0.00
89.00	5.50	0.00	0.00	0.35	7.51	0.00
90.00	5.50	0.00	0.00	0.35	7.51	0.00
91.00	5.50	0.00	0.00	0.35	7.51	0.00
92.00	5.50	0.00	0.00	0.35	7.51	0.00
93.00	5.50	0.00	0.00	0.35	7.51	0.00
94.00	5.50	0.00	0.00	0.35	7.51	0.00
95.00	5.50	0.00	0.00	0.35	7.51	0.00
96.00	5.50	0.00	0.00	0.35	7.51	0.00

STRUCTURE MAXIMUM AND MINIMUM DISCHARGES

Struc	Max (cfs)	Time (hr)	Min (cfs)	Time (hr)
1	0.34	14.00	0.00	0.00

BASIN MAXIMUM AND MINIMUM STAGES

Basin	Max (ft)	Time (hr)	Min (ft)	Time (hr)
on-site	8.73	14.00	6.50	0.00

BASIN WATER BUDGETS (all units in acre-ft)

Basin	Total Runoff	Structure Inflow	Structure Outflow	Initial Storage	Final Storage	Residual
on-site	0.35	0.00	0.35	0.00	0.00	0.00

10 YEAR, 72 HOUR EVENT
DESIGN DISCHARGE
N.S.L.R.W.C.D. CRITERIA
7.47 INCHES OF RAINFALL

Project Name: The Manor Adult Living Facility

Reviewer: R. Ladyko

Project Number: 18-065

Period Begin: Jan 01, 2000;0000 hr End: Jan 16, 2000;0000 hr Duration: 360 hr
 Time Step: 0.2 hr, Iterations: 10

Basin 1: on-site

Method: Santa Barbara Unit Hydrograph

Rainfall Distribution: SFWMD - 3day

Design Frequency: 10 year

3 Day Rainfall: 7.47 inches

Area: 1.36 acres

Ground Storage: 2.95 inches

Time of Concentration: 0.5 hours

Initial Stage: 6.5 ft NGVD

Stage (ft NGVD)	Storage (acre-ft)
6.50	0.00
7.00	0.00
7.50	0.00
8.00	0.04
8.50	0.11
9.00	0.20
9.50	0.37
10.00	0.64
10.50	0.98
11.00	1.34
11.50	1.70
12.00	2.06
12.50	2.42
13.00	2.88

Offsite Receiving Body: Offsite

Time (hr)	Stage (ft NGVD)
0.00	0.00
1000.00	0.00

Structure: 1

From Basin: on-site

To Basin: Offsite

Structure Type: Gravity

Weir: Sharp Crested, Crest Elev = 9.8 ft NGVD, Length = 3 ft

Bleeder: Circular, Invert Elev = 6.5 ft NGVD, Diameter = 0.25 ft

Default Coefs: Weir Coef = 0.6, Orifice Coef = 0.6

Pipe: Diameter = 1.5 ft, Manning's n = 0.024, Length = 35 ft

US Invert Elev = 6 ft NGVD, DS Invert Elev = 5.8 ft NGVD, no flap gate

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
0.00	0.00	0.00	0.00	0.00	6.50	0.00
1.00	0.03	0.00	0.00	0.00	6.50	0.00
2.00	0.07	0.00	0.00	0.00	6.50	0.00
3.00	0.10	0.00	0.00	0.00	6.50	0.00
4.00	0.13	0.00	0.00	0.00	6.50	0.00
5.00	0.17	0.00	0.00	0.00	6.50	0.00
6.00	0.20	0.00	0.00	0.00	6.50	0.00
7.00	0.23	0.00	0.00	0.00	6.50	0.00
8.00	0.27	0.00	0.00	0.00	6.50	0.00
9.00	0.30	0.00	0.00	0.00	6.50	0.00
10.00	0.33	0.00	0.00	0.00	6.50	0.00
11.00	0.37	0.00	0.00	0.00	6.50	0.00

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
12.00	0.40	0.00	0.00	0.00	6.50	0.00
13.00	0.43	0.00	0.00	0.00	6.50	0.00
14.00	0.47	0.00	0.00	0.00	6.50	0.00
15.00	0.50	0.00	0.00	0.00	6.50	0.00
16.00	0.54	0.00	0.00	0.00	6.50	0.00
17.00	0.57	0.00	0.00	0.00	6.50	0.00
18.00	0.60	0.00	0.00	0.00	6.50	0.00
19.00	0.64	0.00	0.00	0.00	7.50	0.00
20.00	0.67	0.00	0.00	0.00	7.50	0.00
21.00	0.70	0.00	0.00	0.00	7.50	0.00
22.00	0.74	0.00	0.00	0.00	7.50	0.00
23.00	0.77	0.00	0.00	0.00	7.51	0.00
24.00	0.80	0.01	0.00	0.00	7.51	0.00
25.00	0.85	0.01	0.00	0.00	7.52	0.00
26.00	0.90	0.01	0.00	0.00	6.50	0.00
27.00	0.95	0.01	0.00	0.00	6.50	0.00
28.00	1.00	0.01	0.00	0.00	7.50	0.00
29.00	1.05	0.02	0.00	0.00	7.52	0.00
30.00	1.10	0.02	0.00	0.01	6.50	0.00
31.00	1.14	0.02	0.00	0.01	7.50	0.00
32.00	1.19	0.02	0.00	0.01	7.52	0.00
33.00	1.24	0.02	0.00	0.01	6.50	0.00
34.00	1.29	0.02	0.00	0.01	7.52	0.00
35.00	1.34	0.02	0.00	0.01	6.50	0.00
36.00	1.39	0.02	0.00	0.01	7.52	0.00
37.00	1.44	0.02	0.00	0.02	6.50	0.00
38.00	1.49	0.03	0.22	0.02	7.50	0.00
39.00	1.53	0.03	0.00	0.02	7.51	0.00
40.00	1.58	0.03	0.00	0.03	6.50	0.00
41.00	1.63	0.03	0.00	0.03	7.52	0.00
42.00	1.68	0.03	0.00	0.03	7.50	0.00
43.00	1.73	0.03	0.00	0.03	6.50	0.00
44.00	1.78	0.03	0.00	0.03	7.52	0.00
45.00	1.83	0.03	0.00	0.04	7.51	0.00
46.00	1.88	0.03	0.00	0.04	6.50	0.00
47.00	1.92	0.03	0.00	0.04	6.50	0.00
48.00	1.97	0.04	0.00	0.04	7.52	0.00
49.00	2.03	0.04	0.00	0.05	7.51	0.00
50.00	2.08	0.04	0.00	0.05	7.51	0.00
51.00	2.15	0.05	0.00	0.05	7.50	0.00
52.00	2.22	0.06	0.00	0.06	7.50	0.00
53.00	2.31	0.08	0.22	0.06	7.51	0.00
54.00	2.43	0.10	0.22	0.07	7.51	0.00
55.00	2.57	0.12	0.00	0.08	7.51	0.00
56.00	2.73	0.14	0.22	0.08	7.53	0.00
57.00	2.91	0.17	0.22	0.10	7.51	0.00
58.00	3.14	0.22	0.22	0.11	7.52	0.00
59.00	3.45	0.31	0.23	0.12	7.56	0.00
60.00	5.58	2.80	0.30	0.14	8.27	0.00
61.00	6.19	0.92	0.36	0.17	8.91	0.00
62.00	6.47	0.41	0.36	0.19	9.01	0.00
63.00	6.65	0.24	0.36	0.22	8.99	0.00
64.00	6.81	0.21	0.36	0.25	8.93	0.00
65.00	6.91	0.13	0.35	0.28	8.84	0.00
66.00	7.01	0.12	0.34	0.31	8.75	0.00
67.00	7.11	0.12	0.34	0.34	8.75	0.00
68.00	7.21	0.12	0.33	0.37	8.65	0.00
69.00	7.27	0.09	0.32	0.40	8.56	0.00
70.00	7.34	0.08	0.31	0.42	8.45	0.00
71.00	7.40	0.08	0.29	0.45	8.31	0.00
72.00	7.47	0.08	0.28	0.47	8.18	0.00
73.00	7.47	0.01	0.26	0.47	8.05	0.00
74.00	7.47	0.00	0.23	0.50	7.84	0.00
75.00	7.47	0.00	0.00	0.52	7.59	0.00
76.00	7.47	0.00	0.00	0.54	7.52	0.00
77.00	7.47	0.00	0.00	0.54	7.52	0.00
78.00	7.47	0.00	0.00	0.54	7.52	0.00
79.00	7.47	0.00	0.00	0.54	7.52	0.00
80.00	7.47	0.00	0.00	0.54	7.52	0.00

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
81.00	7.47	0.00	0.00	0.54	7.52	0.00
82.00	7.47	0.00	0.00	0.54	7.52	0.00
83.00	7.47	0.00	0.00	0.54	7.52	0.00
84.00	7.47	0.00	0.00	0.54	7.52	0.00
85.00	7.47	0.00	0.00	0.54	7.52	0.00
86.00	7.47	0.00	0.00	0.54	7.52	0.00
87.00	7.47	0.00	0.00	0.54	7.52	0.00
88.00	7.47	0.00	0.00	0.54	7.52	0.00
89.00	7.47	0.00	0.00	0.54	7.52	0.00
90.00	7.47	0.00	0.00	0.54	7.52	0.00
91.00	7.47	0.00	0.00	0.54	7.52	0.00
92.00	7.47	0.00	0.00	0.54	7.52	0.00
93.00	7.47	0.00	0.00	0.54	7.52	0.00
94.00	7.47	0.00	0.00	0.54	7.52	0.00
95.00	7.47	0.00	0.00	0.54	7.52	0.00
96.00	7.47	0.00	0.00	0.54	7.52	0.00
97.00	7.47	0.00	0.00	0.54	7.52	0.00
98.00	7.47	0.00	0.00	0.54	7.52	0.00
99.00	7.47	0.00	0.00	0.54	7.52	0.00
100.00	7.47	0.00	0.00	0.54	7.52	0.00
101.00	7.47	0.00	0.00	0.54	7.52	0.00
102.00	7.47	0.00	0.00	0.54	7.52	0.00
103.00	7.47	0.00	0.00	0.54	7.52	0.00
104.00	7.47	0.00	0.00	0.54	7.52	0.00
105.00	7.47	0.00	0.00	0.54	7.52	0.00
106.00	7.47	0.00	0.00	0.54	7.52	0.00
107.00	7.47	0.00	0.00	0.54	7.52	0.00
108.00	7.47	0.00	0.00	0.54	7.52	0.00
109.00	7.47	0.00	0.00	0.54	7.52	0.00
110.00	7.47	0.00	0.00	0.54	7.52	0.00
111.00	7.47	0.00	0.00	0.54	7.52	0.00
112.00	7.47	0.00	0.00	0.54	7.52	0.00
113.00	7.47	0.00	0.00	0.54	7.52	0.00
114.00	7.47	0.00	0.00	0.54	7.52	0.00
115.00	7.47	0.00	0.00	0.54	7.52	0.00
116.00	7.47	0.00	0.00	0.54	7.52	0.00
117.00	7.47	0.00	0.00	0.54	7.52	0.00
118.00	7.47	0.00	0.00	0.54	7.52	0.00
119.00	7.47	0.00	0.00	0.54	7.52	0.00
120.00	7.47	0.00	0.00	0.54	7.52	0.00
121.00	7.47	0.00	0.00	0.54	7.52	0.00
122.00	7.47	0.00	0.00	0.54	7.52	0.00
123.00	7.47	0.00	0.00	0.54	7.52	0.00
124.00	7.47	0.00	0.00	0.54	7.52	0.00
125.00	7.47	0.00	0.00	0.54	7.52	0.00
126.00	7.47	0.00	0.00	0.54	7.52	0.00
127.00	7.47	0.00	0.00	0.54	7.52	0.00
128.00	7.47	0.00	0.00	0.54	7.52	0.00
129.00	7.47	0.00	0.00	0.54	7.52	0.00
130.00	7.47	0.00	0.00	0.54	7.52	0.00
131.00	7.47	0.00	0.00	0.54	7.52	0.00
132.00	7.47	0.00	0.00	0.54	7.52	0.00
133.00	7.47	0.00	0.00	0.54	7.52	0.00
134.00	7.47	0.00	0.00	0.54	7.52	0.00
135.00	7.47	0.00	0.00	0.54	7.52	0.00
136.00	7.47	0.00	0.00	0.54	7.52	0.00
137.00	7.47	0.00	0.00	0.54	7.52	0.00
138.00	7.47	0.00	0.00	0.54	7.52	0.00
139.00	7.47	0.00	0.00	0.54	7.52	0.00
140.00	7.47	0.00	0.00	0.54	7.52	0.00
141.00	7.47	0.00	0.00	0.54	7.52	0.00
142.00	7.47	0.00	0.00	0.54	7.52	0.00
143.00	7.47	0.00	0.00	0.54	7.52	0.00
144.00	7.47	0.00	0.00	0.54	7.52	0.00
145.00	7.47	0.00	0.00	0.54	7.52	0.00
146.00	7.47	0.00	0.00	0.54	7.52	0.00
147.00	7.47	0.00	0.00	0.54	7.52	0.00
148.00	7.47	0.00	0.00	0.54	7.52	0.00
149.00	7.47	0.00	0.00	0.54	7.52	0.00

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
150.00	7.47	0.00	0.00	0.54	7.52	0.00
151.00	7.47	0.00	0.00	0.54	7.52	0.00
152.00	7.47	0.00	0.00	0.54	7.52	0.00
153.00	7.47	0.00	0.00	0.54	7.52	0.00
154.00	7.47	0.00	0.00	0.54	7.52	0.00
155.00	7.47	0.00	0.00	0.54	7.52	0.00
156.00	7.47	0.00	0.00	0.54	7.52	0.00
157.00	7.47	0.00	0.00	0.54	7.52	0.00
158.00	7.47	0.00	0.00	0.54	7.52	0.00
159.00	7.47	0.00	0.00	0.54	7.52	0.00
160.00	7.47	0.00	0.00	0.54	7.52	0.00
161.00	7.47	0.00	0.00	0.54	7.52	0.00
162.00	7.47	0.00	0.00	0.54	7.52	0.00
163.00	7.47	0.00	0.00	0.54	7.52	0.00
164.00	7.47	0.00	0.00	0.54	7.52	0.00
165.00	7.47	0.00	0.00	0.54	7.52	0.00
166.00	7.47	0.00	0.00	0.54	7.52	0.00
167.00	7.47	0.00	0.00	0.54	7.52	0.00
168.00	7.47	0.00	0.00	0.54	7.52	0.00
169.00	7.47	0.00	0.00	0.54	7.52	0.00
170.00	7.47	0.00	0.00	0.54	7.52	0.00
171.00	7.47	0.00	0.00	0.54	7.52	0.00
172.00	7.47	0.00	0.00	0.54	7.52	0.00
173.00	7.47	0.00	0.00	0.54	7.52	0.00
174.00	7.47	0.00	0.00	0.54	7.52	0.00
175.00	7.47	0.00	0.00	0.54	7.52	0.00
176.00	7.47	0.00	0.00	0.54	7.52	0.00
177.00	7.47	0.00	0.00	0.54	7.52	0.00
178.00	7.47	0.00	0.00	0.54	7.52	0.00
179.00	7.47	0.00	0.00	0.54	7.52	0.00
180.00	7.47	0.00	0.00	0.54	7.52	0.00
181.00	7.47	0.00	0.00	0.54	7.52	0.00
182.00	7.47	0.00	0.00	0.54	7.52	0.00
183.00	7.47	0.00	0.00	0.54	7.52	0.00
184.00	7.47	0.00	0.00	0.54	7.52	0.00
185.00	7.47	0.00	0.00	0.54	7.52	0.00
186.00	7.47	0.00	0.00	0.54	7.52	0.00
187.00	7.47	0.00	0.00	0.54	7.52	0.00
188.00	7.47	0.00	0.00	0.54	7.52	0.00
189.00	7.47	0.00	0.00	0.54	7.52	0.00
190.00	7.47	0.00	0.00	0.54	7.52	0.00
191.00	7.47	0.00	0.00	0.54	7.52	0.00
192.00	7.47	0.00	0.00	0.54	7.52	0.00
193.00	7.47	0.00	0.00	0.54	7.52	0.00
194.00	7.47	0.00	0.00	0.54	7.52	0.00
195.00	7.47	0.00	0.00	0.54	7.52	0.00
196.00	7.47	0.00	0.00	0.54	7.52	0.00
197.00	7.47	0.00	0.00	0.54	7.52	0.00
198.00	7.47	0.00	0.00	0.54	7.52	0.00
199.00	7.47	0.00	0.00	0.54	7.52	0.00
200.00	7.47	0.00	0.00	0.54	7.52	0.00
201.00	7.47	0.00	0.00	0.54	7.52	0.00
202.00	7.47	0.00	0.00	0.54	7.52	0.00
203.00	7.47	0.00	0.00	0.54	7.52	0.00
204.00	7.47	0.00	0.00	0.54	7.52	0.00
205.00	7.47	0.00	0.00	0.54	7.52	0.00
206.00	7.47	0.00	0.00	0.54	7.52	0.00
207.00	7.47	0.00	0.00	0.54	7.52	0.00
208.00	7.47	0.00	0.00	0.54	7.52	0.00
209.00	7.47	0.00	0.00	0.54	7.52	0.00
210.00	7.47	0.00	0.00	0.54	7.52	0.00
211.00	7.47	0.00	0.00	0.54	7.52	0.00
212.00	7.47	0.00	0.00	0.54	7.52	0.00
213.00	7.47	0.00	0.00	0.54	7.52	0.00
214.00	7.47	0.00	0.00	0.54	7.52	0.00
215.00	7.47	0.00	0.00	0.54	7.52	0.00
216.00	7.47	0.00	0.00	0.54	7.52	0.00
217.00	7.47	0.00	0.00	0.54	7.52	0.00
218.00	7.47	0.00	0.00	0.54	7.52	0.00

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
219.00	7.47	0.00	0.00	0.54	7.52	0.00
220.00	7.47	0.00	0.00	0.54	7.52	0.00
221.00	7.47	0.00	0.00	0.54	7.52	0.00
222.00	7.47	0.00	0.00	0.54	7.52	0.00
223.00	7.47	0.00	0.00	0.54	7.52	0.00
224.00	7.47	0.00	0.00	0.54	7.52	0.00
225.00	7.47	0.00	0.00	0.54	7.52	0.00
226.00	7.47	0.00	0.00	0.54	7.52	0.00
227.00	7.47	0.00	0.00	0.54	7.52	0.00
228.00	7.47	0.00	0.00	0.54	7.52	0.00
229.00	7.47	0.00	0.00	0.54	7.52	0.00
230.00	7.47	0.00	0.00	0.54	7.52	0.00
231.00	7.47	0.00	0.00	0.54	7.52	0.00
232.00	7.47	0.00	0.00	0.54	7.52	0.00
233.00	7.47	0.00	0.00	0.54	7.52	0.00
234.00	7.47	0.00	0.00	0.54	7.52	0.00
235.00	7.47	0.00	0.00	0.54	7.52	0.00
236.00	7.47	0.00	0.00	0.54	7.52	0.00
237.00	7.47	0.00	0.00	0.54	7.52	0.00
238.00	7.47	0.00	0.00	0.54	7.52	0.00
239.00	7.47	0.00	0.00	0.54	7.52	0.00
240.00	7.47	0.00	0.00	0.54	7.52	0.00
241.00	7.47	0.00	0.00	0.54	7.52	0.00
242.00	7.47	0.00	0.00	0.54	7.52	0.00
243.00	7.47	0.00	0.00	0.54	7.52	0.00
244.00	7.47	0.00	0.00	0.54	7.52	0.00
245.00	7.47	0.00	0.00	0.54	7.52	0.00
246.00	7.47	0.00	0.00	0.54	7.52	0.00
247.00	7.47	0.00	0.00	0.54	7.52	0.00
248.00	7.47	0.00	0.00	0.54	7.52	0.00
249.00	7.47	0.00	0.00	0.54	7.52	0.00
250.00	7.47	0.00	0.00	0.54	7.52	0.00
251.00	7.47	0.00	0.00	0.54	7.52	0.00
252.00	7.47	0.00	0.00	0.54	7.52	0.00
253.00	7.47	0.00	0.00	0.54	7.52	0.00
254.00	7.47	0.00	0.00	0.54	7.52	0.00
255.00	7.47	0.00	0.00	0.54	7.52	0.00
256.00	7.47	0.00	0.00	0.54	7.52	0.00
257.00	7.47	0.00	0.00	0.54	7.52	0.00
258.00	7.47	0.00	0.00	0.54	7.52	0.00
259.00	7.47	0.00	0.00	0.54	7.52	0.00
260.00	7.47	0.00	0.00	0.54	7.52	0.00
261.00	7.47	0.00	0.00	0.54	7.52	0.00
262.00	7.47	0.00	0.00	0.54	7.52	0.00
263.00	7.47	0.00	0.00	0.54	7.52	0.00
264.00	7.47	0.00	0.00	0.54	7.52	0.00
265.00	7.47	0.00	0.00	0.54	7.52	0.00
266.00	7.47	0.00	0.00	0.54	7.52	0.00
267.00	7.47	0.00	0.00	0.54	7.52	0.00
268.00	7.47	0.00	0.00	0.54	7.52	0.00
269.00	7.47	0.00	0.00	0.54	7.52	0.00
270.00	7.47	0.00	0.00	0.54	7.52	0.00
271.00	7.47	0.00	0.00	0.54	7.52	0.00
272.00	7.47	0.00	0.00	0.54	7.52	0.00
273.00	7.47	0.00	0.00	0.54	7.52	0.00
274.00	7.47	0.00	0.00	0.54	7.52	0.00
275.00	7.47	0.00	0.00	0.54	7.52	0.00
276.00	7.47	0.00	0.00	0.54	7.52	0.00
277.00	7.47	0.00	0.00	0.54	7.52	0.00
278.00	7.47	0.00	0.00	0.54	7.52	0.00
279.00	7.47	0.00	0.00	0.54	7.52	0.00
280.00	7.47	0.00	0.00	0.54	7.52	0.00
281.00	7.47	0.00	0.00	0.54	7.52	0.00
282.00	7.47	0.00	0.00	0.54	7.52	0.00
283.00	7.47	0.00	0.00	0.54	7.52	0.00
284.00	7.47	0.00	0.00	0.54	7.52	0.00
285.00	7.47	0.00	0.00	0.54	7.52	0.00
286.00	7.47	0.00	0.00	0.54	7.52	0.00
287.00	7.47	0.00	0.00	0.54	7.52	0.00

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
288.00	7.47	0.00	0.00	0.54	7.52	0.00
289.00	7.47	0.00	0.00	0.54	7.52	0.00
290.00	7.47	0.00	0.00	0.54	7.52	0.00
291.00	7.47	0.00	0.00	0.54	7.52	0.00
292.00	7.47	0.00	0.00	0.54	7.52	0.00
293.00	7.47	0.00	0.00	0.54	7.52	0.00
294.00	7.47	0.00	0.00	0.54	7.52	0.00
295.00	7.47	0.00	0.00	0.54	7.52	0.00
296.00	7.47	0.00	0.00	0.54	7.52	0.00
297.00	7.47	0.00	0.00	0.54	7.52	0.00
298.00	7.47	0.00	0.00	0.54	7.52	0.00
299.00	7.47	0.00	0.00	0.54	7.52	0.00
300.00	7.47	0.00	0.00	0.54	7.52	0.00
301.00	7.47	0.00	0.00	0.54	7.52	0.00
302.00	7.47	0.00	0.00	0.54	7.52	0.00
303.00	7.47	0.00	0.00	0.54	7.52	0.00
304.00	7.47	0.00	0.00	0.54	7.52	0.00
305.00	7.47	0.00	0.00	0.54	7.52	0.00
306.00	7.47	0.00	0.00	0.54	7.52	0.00
307.00	7.47	0.00	0.00	0.54	7.52	0.00
308.00	7.47	0.00	0.00	0.54	7.52	0.00
309.00	7.47	0.00	0.00	0.54	7.52	0.00
310.00	7.47	0.00	0.00	0.54	7.52	0.00
311.00	7.47	0.00	0.00	0.54	7.52	0.00
312.00	7.47	0.00	0.00	0.54	7.52	0.00
313.00	7.47	0.00	0.00	0.54	7.52	0.00
314.00	7.47	0.00	0.00	0.54	7.52	0.00
315.00	7.47	0.00	0.00	0.54	7.52	0.00
316.00	7.47	0.00	0.00	0.54	7.52	0.00
317.00	7.47	0.00	0.00	0.54	7.52	0.00
318.00	7.47	0.00	0.00	0.54	7.52	0.00
319.00	7.47	0.00	0.00	0.54	7.52	0.00
320.00	7.47	0.00	0.00	0.54	7.52	0.00
321.00	7.47	0.00	0.00	0.54	7.52	0.00
322.00	7.47	0.00	0.00	0.54	7.52	0.00
323.00	7.47	0.00	0.00	0.54	7.52	0.00
324.00	7.47	0.00	0.00	0.54	7.52	0.00
325.00	7.47	0.00	0.00	0.54	7.52	0.00
326.00	7.47	0.00	0.00	0.54	7.52	0.00
327.00	7.47	0.00	0.00	0.54	7.52	0.00
328.00	7.47	0.00	0.00	0.54	7.52	0.00
329.00	7.47	0.00	0.00	0.54	7.52	0.00
330.00	7.47	0.00	0.00	0.54	7.52	0.00
331.00	7.47	0.00	0.00	0.54	7.52	0.00
332.00	7.47	0.00	0.00	0.54	7.52	0.00
333.00	7.47	0.00	0.00	0.54	7.52	0.00
334.00	7.47	0.00	0.00	0.54	7.52	0.00
335.00	7.47	0.00	0.00	0.54	7.52	0.00
336.00	7.47	0.00	0.00	0.54	7.52	0.00
337.00	7.47	0.00	0.00	0.54	7.52	0.00
338.00	7.47	0.00	0.00	0.54	7.52	0.00
339.00	7.47	0.00	0.00	0.54	7.52	0.00
340.00	7.47	0.00	0.00	0.54	7.52	0.00
341.00	7.47	0.00	0.00	0.54	7.52	0.00
342.00	7.47	0.00	0.00	0.54	7.52	0.00
343.00	7.47	0.00	0.00	0.54	7.52	0.00
344.00	7.47	0.00	0.00	0.54	7.52	0.00
345.00	7.47	0.00	0.00	0.54	7.52	0.00
346.00	7.47	0.00	0.00	0.54	7.52	0.00
347.00	7.47	0.00	0.00	0.54	7.52	0.00
348.00	7.47	0.00	0.00	0.54	7.52	0.00
349.00	7.47	0.00	0.00	0.54	7.52	0.00
350.00	7.47	0.00	0.00	0.54	7.52	0.00
351.00	7.47	0.00	0.00	0.54	7.52	0.00
352.00	7.47	0.00	0.00	0.54	7.52	0.00
353.00	7.47	0.00	0.00	0.54	7.52	0.00
354.00	7.47	0.00	0.00	0.54	7.52	0.00
355.00	7.47	0.00	0.00	0.54	7.52	0.00
356.00	7.47	0.00	0.00	0.54	7.52	0.00

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
357.00	7.47	0.00	0.00	0.54	7.52	0.00
358.00	7.47	0.00	0.00	0.54	7.52	0.00
359.00	7.47	0.00	0.00	0.54	7.52	0.00
360.00	7.47	0.00	0.00	0.54	7.52	0.00

STRUCTURE MAXIMUM AND MINIMUM DISCHARGES

Struc	Max (cfs)	Time (hr)	Min (cfs)	Time (hr)
1	0.37	62.20	0.00	0.00

BASIN MAXIMUM AND MINIMUM STAGES

Basin	Max (ft)	Time (hr)	Min (ft)	Time (hr)
on-site	9.01	62.20	6.50	0.00

BASIN WATER BUDGETS (all units in acre-ft)

Basin	Total Runoff	Structure Inflow	Structure Outflow	Initial Storage	Final Storage	Residual
on-site	0.55	0.00	0.54	0.00	0.00	0.00

25 YEAR, 72 HOUR EVENT
MINIMUM PERIMETER GRADE
9.50 INCHES OF RAINFALL

Project Name: The Manor Adult Living Facility

Reviewer: R. Ladyko

Project Number: 18-065

Period Begin: Jan 01, 2000;0000 hr End: Jan 16, 2000;0000 hr Duration: 360 hr

Time Step: 0.2 hr, Iterations: 10

Basin 1: on-site

Method: Santa Barbara Unit Hydrograph

Rainfall Distribution: SFWMD - 3day

Design Frequency: 25 year

3 Day Rainfall: 9.5 inches

Area: 1.36 acres

Ground Storage: 2.95 inches

Time of Concentration: 0.5 hours

Initial Stage: 6.5 ft NGVD

Stage (ft NGVD)	Storage (acre-ft)
6.50	0.00
7.00	0.00
7.50	0.00
8.00	0.04
8.50	0.11
9.00	0.20
9.50	0.37
10.00	0.64
10.50	0.98
11.00	1.34
11.50	1.70
12.00	2.06
12.50	2.42
13.00	2.88

Offsite Receiving Body: Offsite

Time (hr)	Stage (ft NGVD)
0.00	0.00
1000.00	0.00

Structure: 1

From Basin: on-site

To Basin: Offsite

Structure Type: Gravity

Weir: Sharp Crested, Crest Elev = 9.8 ft NGVD, Length = 3 ft

Bleeder: Circular, Invert Elev = 6.5 ft NGVD, Diameter = 0.25 ft

Default Coefs: Weir Coef = 0.6, Orifice Coef = 0.6

Pipe: Diameter = 1.5 ft, Manning's n = 0.024, Length = 35 ft

US Invert Elev = 6 ft NGVD, DS Invert Elev = 5.8 ft NGVD, no flap gate

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
0.00	0.00	0.00	0.00	0.00	6.50	0.00
1.00	0.04	0.00	0.00	0.00	6.50	0.00
2.00	0.09	0.00	0.00	0.00	6.50	0.00
3.00	0.13	0.00	0.00	0.00	6.50	0.00
4.00	0.17	0.00	0.00	0.00	6.50	0.00
5.00	0.21	0.00	0.00	0.00	6.50	0.00
6.00	0.26	0.00	0.00	0.00	6.50	0.00
7.00	0.30	0.00	0.00	0.00	6.50	0.00
8.00	0.34	0.00	0.00	0.00	6.50	0.00
9.00	0.38	0.00	0.00	0.00	6.50	0.00
10.00	0.43	0.00	0.00	0.00	6.50	0.00
11.00	0.47	0.00	0.00	0.00	6.50	0.00

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
12.00	0.51	0.00	0.00	0.00	6.50	0.00
13.00	0.55	0.00	0.00	0.00	6.50	0.00
14.00	0.60	0.00	0.00	0.00	7.50	0.00
15.00	0.64	0.00	0.00	0.00	7.50	0.00
16.00	0.68	0.00	0.00	0.00	7.50	0.00
17.00	0.72	0.00	0.00	0.00	7.51	0.00
18.00	0.77	0.01	0.00	0.00	7.51	0.00
19.00	0.81	0.01	0.00	0.00	7.52	0.00
20.00	0.85	0.01	0.00	0.00	6.50	0.00
21.00	0.89	0.01	0.00	0.00	6.50	0.00
22.00	0.94	0.01	0.00	0.00	6.50	0.00
23.00	0.98	0.01	0.00	0.00	7.51	0.00
24.00	1.02	0.01	0.22	0.01	7.50	0.00
25.00	1.08	0.02	0.00	0.01	6.50	0.00
26.00	1.14	0.02	0.00	0.01	7.52	0.00
27.00	1.21	0.03	0.00	0.01	7.50	0.00
28.00	1.27	0.03	0.22	0.01	7.51	0.00
29.00	1.33	0.03	0.00	0.01	7.51	0.00
30.00	1.39	0.03	0.00	0.02	6.50	0.00
31.00	1.45	0.03	0.00	0.02	6.50	0.00
32.00	1.52	0.03	0.00	0.02	7.52	0.00
33.00	1.58	0.04	0.00	0.03	7.51	0.00
34.00	1.64	0.04	0.00	0.03	7.51	0.00
35.00	1.70	0.04	0.00	0.03	6.50	0.00
36.00	1.77	0.04	0.00	0.04	6.50	0.00
37.00	1.83	0.04	0.00	0.04	6.50	0.00
38.00	1.89	0.04	0.00	0.04	6.50	0.00
39.00	1.95	0.04	0.00	0.05	6.50	0.00
40.00	2.01	0.05	0.00	0.05	6.50	0.00
41.00	2.08	0.05	0.00	0.05	6.50	0.00
42.00	2.14	0.05	0.00	0.06	6.50	0.00
43.00	2.20	0.05	0.00	0.06	7.50	0.00
44.00	2.26	0.05	0.00	0.07	7.51	0.00
45.00	2.32	0.05	0.00	0.07	7.51	0.00
46.00	2.39	0.05	0.00	0.07	7.52	0.00
47.00	2.45	0.05	0.22	0.08	7.50	0.00
48.00	2.51	0.05	0.00	0.08	6.50	0.00
49.00	2.58	0.06	0.00	0.09	7.50	0.00
50.00	2.65	0.06	0.00	0.09	7.52	0.00
51.00	2.73	0.07	0.00	0.10	7.50	0.00
52.00	2.82	0.08	0.22	0.11	7.51	0.00
53.00	2.94	0.11	0.00	0.11	7.50	0.00
54.00	3.09	0.14	0.22	0.12	7.52	0.00
55.00	3.26	0.17	0.00	0.14	7.52	0.00
56.00	3.47	0.20	0.22	0.15	7.50	0.00
57.00	3.70	0.25	0.23	0.17	7.55	0.00
58.00	4.00	0.31	0.23	0.19	7.60	0.00
59.00	4.39	0.44	0.25	0.21	7.73	0.00
60.00	7.10	3.78	0.33	0.23	8.57	0.00
61.00	7.87	1.23	0.38	0.26	9.23	0.00
62.00	8.23	0.54	0.39	0.29	9.33	0.00
63.00	8.45	0.31	0.39	0.33	9.33	0.00
64.00	8.66	0.27	0.39	0.36	9.31	0.00
65.00	8.79	0.18	0.38	0.39	9.26	0.00
66.00	8.91	0.16	0.38	0.42	9.21	0.00
67.00	9.04	0.16	0.38	0.45	9.15	0.00
68.00	9.16	0.16	0.37	0.48	9.10	0.00
69.00	9.25	0.11	0.37	0.51	9.04	0.00
70.00	9.33	0.11	0.36	0.54	8.96	0.00
71.00	9.42	0.11	0.35	0.57	8.85	0.00
72.00	9.50	0.11	0.34	0.60	8.75	0.00
73.00	9.50	0.01	0.33	0.63	8.62	0.00
74.00	9.50	0.00	0.32	0.66	8.47	0.00
75.00	9.50	0.00	0.30	0.68	8.28	0.00
76.00	9.50	0.00	0.29	0.71	8.11	0.00
77.00	9.50	0.00	0.27	0.73	7.89	0.00
78.00	9.50	0.00	0.24	0.75	7.62	0.00
79.00	9.50	0.00	0.00	0.76	7.50	0.00
80.00	9.50	0.00	0.00	0.76	7.50	0.00

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
81.00	9.50	0.00	0.00	0.76	7.50	0.00
82.00	9.50	0.00	0.00	0.76	7.50	0.00
83.00	9.50	0.00	0.00	0.76	7.50	0.00
84.00	9.50	0.00	0.00	0.76	7.50	0.00
85.00	9.50	0.00	0.00	0.76	7.50	0.00
86.00	9.50	0.00	0.00	0.76	7.50	0.00
87.00	9.50	0.00	0.00	0.76	7.50	0.00
88.00	9.50	0.00	0.00	0.76	7.50	0.00
89.00	9.50	0.00	0.00	0.76	7.50	0.00
90.00	9.50	0.00	0.00	0.76	7.50	0.00
91.00	9.50	0.00	0.00	0.76	7.50	0.00
92.00	9.50	0.00	0.00	0.76	7.50	0.00
93.00	9.50	0.00	0.00	0.76	7.50	0.00
94.00	9.50	0.00	0.00	0.76	7.50	0.00
95.00	9.50	0.00	0.00	0.76	7.50	0.00
96.00	9.50	0.00	0.00	0.76	7.50	0.00
97.00	9.50	0.00	0.00	0.76	7.50	0.00
98.00	9.50	0.00	0.00	0.76	7.50	0.00
99.00	9.50	0.00	0.00	0.76	7.50	0.00
100.00	9.50	0.00	0.00	0.76	7.50	0.00
101.00	9.50	0.00	0.00	0.76	7.50	0.00
102.00	9.50	0.00	0.00	0.76	7.50	0.00
103.00	9.50	0.00	0.00	0.76	7.50	0.00
104.00	9.50	0.00	0.00	0.76	7.50	0.00
105.00	9.50	0.00	0.00	0.76	7.50	0.00
106.00	9.50	0.00	0.00	0.76	7.50	0.00
107.00	9.50	0.00	0.00	0.76	7.50	0.00
108.00	9.50	0.00	0.00	0.76	7.50	0.00
109.00	9.50	0.00	0.00	0.76	7.50	0.00
110.00	9.50	0.00	0.00	0.76	7.50	0.00
111.00	9.50	0.00	0.00	0.76	7.50	0.00
112.00	9.50	0.00	0.00	0.76	7.50	0.00
113.00	9.50	0.00	0.00	0.76	7.50	0.00
114.00	9.50	0.00	0.00	0.76	7.50	0.00
115.00	9.50	0.00	0.00	0.76	7.50	0.00
116.00	9.50	0.00	0.00	0.76	7.50	0.00
117.00	9.50	0.00	0.00	0.76	7.50	0.00
118.00	9.50	0.00	0.00	0.76	7.50	0.00
119.00	9.50	0.00	0.00	0.76	7.50	0.00
120.00	9.50	0.00	0.00	0.76	7.50	0.00
121.00	9.50	0.00	0.00	0.76	7.50	0.00
122.00	9.50	0.00	0.00	0.76	7.50	0.00
123.00	9.50	0.00	0.00	0.76	7.50	0.00
124.00	9.50	0.00	0.00	0.76	7.50	0.00
125.00	9.50	0.00	0.00	0.76	7.50	0.00
126.00	9.50	0.00	0.00	0.76	7.50	0.00
127.00	9.50	0.00	0.00	0.76	7.50	0.00
128.00	9.50	0.00	0.00	0.76	7.50	0.00
129.00	9.50	0.00	0.00	0.76	7.50	0.00
130.00	9.50	0.00	0.00	0.76	7.50	0.00
131.00	9.50	0.00	0.00	0.76	7.50	0.00
132.00	9.50	0.00	0.00	0.76	7.50	0.00
133.00	9.50	0.00	0.00	0.76	7.50	0.00
134.00	9.50	0.00	0.00	0.76	7.50	0.00
135.00	9.50	0.00	0.00	0.76	7.50	0.00
136.00	9.50	0.00	0.00	0.76	7.50	0.00
137.00	9.50	0.00	0.00	0.76	7.50	0.00
138.00	9.50	0.00	0.00	0.76	7.50	0.00
139.00	9.50	0.00	0.00	0.76	7.50	0.00
140.00	9.50	0.00	0.00	0.76	7.50	0.00
141.00	9.50	0.00	0.00	0.76	7.50	0.00
142.00	9.50	0.00	0.00	0.76	7.50	0.00
143.00	9.50	0.00	0.00	0.76	7.50	0.00
144.00	9.50	0.00	0.00	0.76	7.50	0.00
145.00	9.50	0.00	0.00	0.76	7.50	0.00
146.00	9.50	0.00	0.00	0.76	7.50	0.00
147.00	9.50	0.00	0.00	0.76	7.50	0.00
148.00	9.50	0.00	0.00	0.76	7.50	0.00
149.00	9.50	0.00	0.00	0.76	7.50	0.00

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
150.00	9.50	0.00	0.00	0.76	7.50	0.00
151.00	9.50	0.00	0.00	0.76	7.50	0.00
152.00	9.50	0.00	0.00	0.76	7.50	0.00
153.00	9.50	0.00	0.00	0.76	7.50	0.00
154.00	9.50	0.00	0.00	0.76	7.50	0.00
155.00	9.50	0.00	0.00	0.76	7.50	0.00
156.00	9.50	0.00	0.00	0.76	7.50	0.00
157.00	9.50	0.00	0.00	0.76	7.50	0.00
158.00	9.50	0.00	0.00	0.76	7.50	0.00
159.00	9.50	0.00	0.00	0.76	7.50	0.00
160.00	9.50	0.00	0.00	0.76	7.50	0.00
161.00	9.50	0.00	0.00	0.76	7.50	0.00
162.00	9.50	0.00	0.00	0.76	7.50	0.00
163.00	9.50	0.00	0.00	0.76	7.50	0.00
164.00	9.50	0.00	0.00	0.76	7.50	0.00
165.00	9.50	0.00	0.00	0.76	7.50	0.00
166.00	9.50	0.00	0.00	0.76	7.50	0.00
167.00	9.50	0.00	0.00	0.76	7.50	0.00
168.00	9.50	0.00	0.00	0.76	7.50	0.00
169.00	9.50	0.00	0.00	0.76	7.50	0.00
170.00	9.50	0.00	0.00	0.76	7.50	0.00
171.00	9.50	0.00	0.00	0.76	7.50	0.00
172.00	9.50	0.00	0.00	0.76	7.50	0.00
173.00	9.50	0.00	0.00	0.76	7.50	0.00
174.00	9.50	0.00	0.00	0.76	7.50	0.00
175.00	9.50	0.00	0.00	0.76	7.50	0.00
176.00	9.50	0.00	0.00	0.76	7.50	0.00
177.00	9.50	0.00	0.00	0.76	7.50	0.00
178.00	9.50	0.00	0.00	0.76	7.50	0.00
179.00	9.50	0.00	0.00	0.76	7.50	0.00
180.00	9.50	0.00	0.00	0.76	7.50	0.00
181.00	9.50	0.00	0.00	0.76	7.50	0.00
182.00	9.50	0.00	0.00	0.76	7.50	0.00
183.00	9.50	0.00	0.00	0.76	7.50	0.00
184.00	9.50	0.00	0.00	0.76	7.50	0.00
185.00	9.50	0.00	0.00	0.76	7.50	0.00
186.00	9.50	0.00	0.00	0.76	7.50	0.00
187.00	9.50	0.00	0.00	0.76	7.50	0.00
188.00	9.50	0.00	0.00	0.76	7.50	0.00
189.00	9.50	0.00	0.00	0.76	7.50	0.00
190.00	9.50	0.00	0.00	0.76	7.50	0.00
191.00	9.50	0.00	0.00	0.76	7.50	0.00
192.00	9.50	0.00	0.00	0.76	7.50	0.00
193.00	9.50	0.00	0.00	0.76	7.50	0.00
194.00	9.50	0.00	0.00	0.76	7.50	0.00
195.00	9.50	0.00	0.00	0.76	7.50	0.00
196.00	9.50	0.00	0.00	0.76	7.50	0.00
197.00	9.50	0.00	0.00	0.76	7.50	0.00
198.00	9.50	0.00	0.00	0.76	7.50	0.00
199.00	9.50	0.00	0.00	0.76	7.50	0.00
200.00	9.50	0.00	0.00	0.76	7.50	0.00
201.00	9.50	0.00	0.00	0.76	7.50	0.00
202.00	9.50	0.00	0.00	0.76	7.50	0.00
203.00	9.50	0.00	0.00	0.76	7.50	0.00
204.00	9.50	0.00	0.00	0.76	7.50	0.00
205.00	9.50	0.00	0.00	0.76	7.50	0.00
206.00	9.50	0.00	0.00	0.76	7.50	0.00
207.00	9.50	0.00	0.00	0.76	7.50	0.00
208.00	9.50	0.00	0.00	0.76	7.50	0.00
209.00	9.50	0.00	0.00	0.76	7.50	0.00
210.00	9.50	0.00	0.00	0.76	7.50	0.00
211.00	9.50	0.00	0.00	0.76	7.50	0.00
212.00	9.50	0.00	0.00	0.76	7.50	0.00
213.00	9.50	0.00	0.00	0.76	7.50	0.00
214.00	9.50	0.00	0.00	0.76	7.50	0.00
215.00	9.50	0.00	0.00	0.76	7.50	0.00
216.00	9.50	0.00	0.00	0.76	7.50	0.00
217.00	9.50	0.00	0.00	0.76	7.50	0.00
218.00	9.50	0.00	0.00	0.76	7.50	0.00

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
219.00	9.50	0.00	0.00	0.76	7.50	0.00
220.00	9.50	0.00	0.00	0.76	7.50	0.00
221.00	9.50	0.00	0.00	0.76	7.50	0.00
222.00	9.50	0.00	0.00	0.76	7.50	0.00
223.00	9.50	0.00	0.00	0.76	7.50	0.00
224.00	9.50	0.00	0.00	0.76	7.50	0.00
225.00	9.50	0.00	0.00	0.76	7.50	0.00
226.00	9.50	0.00	0.00	0.76	7.50	0.00
227.00	9.50	0.00	0.00	0.76	7.50	0.00
228.00	9.50	0.00	0.00	0.76	7.50	0.00
229.00	9.50	0.00	0.00	0.76	7.50	0.00
230.00	9.50	0.00	0.00	0.76	7.50	0.00
231.00	9.50	0.00	0.00	0.76	7.50	0.00
232.00	9.50	0.00	0.00	0.76	7.50	0.00
233.00	9.50	0.00	0.00	0.76	7.50	0.00
234.00	9.50	0.00	0.00	0.76	7.50	0.00
235.00	9.50	0.00	0.00	0.76	7.50	0.00
236.00	9.50	0.00	0.00	0.76	7.50	0.00
237.00	9.50	0.00	0.00	0.76	7.50	0.00
238.00	9.50	0.00	0.00	0.76	7.50	0.00
239.00	9.50	0.00	0.00	0.76	7.50	0.00
240.00	9.50	0.00	0.00	0.76	7.50	0.00
241.00	9.50	0.00	0.00	0.76	7.50	0.00
242.00	9.50	0.00	0.00	0.76	7.50	0.00
243.00	9.50	0.00	0.00	0.76	7.50	0.00
244.00	9.50	0.00	0.00	0.76	7.50	0.00
245.00	9.50	0.00	0.00	0.76	7.50	0.00
246.00	9.50	0.00	0.00	0.76	7.50	0.00
247.00	9.50	0.00	0.00	0.76	7.50	0.00
248.00	9.50	0.00	0.00	0.76	7.50	0.00
249.00	9.50	0.00	0.00	0.76	7.50	0.00
250.00	9.50	0.00	0.00	0.76	7.50	0.00
251.00	9.50	0.00	0.00	0.76	7.50	0.00
252.00	9.50	0.00	0.00	0.76	7.50	0.00
253.00	9.50	0.00	0.00	0.76	7.50	0.00
254.00	9.50	0.00	0.00	0.76	7.50	0.00
255.00	9.50	0.00	0.00	0.76	7.50	0.00
256.00	9.50	0.00	0.00	0.76	7.50	0.00
257.00	9.50	0.00	0.00	0.76	7.50	0.00
258.00	9.50	0.00	0.00	0.76	7.50	0.00
259.00	9.50	0.00	0.00	0.76	7.50	0.00
260.00	9.50	0.00	0.00	0.76	7.50	0.00
261.00	9.50	0.00	0.00	0.76	7.50	0.00
262.00	9.50	0.00	0.00	0.76	7.50	0.00
263.00	9.50	0.00	0.00	0.76	7.50	0.00
264.00	9.50	0.00	0.00	0.76	7.50	0.00
265.00	9.50	0.00	0.00	0.76	7.50	0.00
266.00	9.50	0.00	0.00	0.76	7.50	0.00
267.00	9.50	0.00	0.00	0.76	7.50	0.00
268.00	9.50	0.00	0.00	0.76	7.50	0.00
269.00	9.50	0.00	0.00	0.76	7.50	0.00
270.00	9.50	0.00	0.00	0.76	7.50	0.00
271.00	9.50	0.00	0.00	0.76	7.50	0.00
272.00	9.50	0.00	0.00	0.76	7.50	0.00
273.00	9.50	0.00	0.00	0.76	7.50	0.00
274.00	9.50	0.00	0.00	0.76	7.50	0.00
275.00	9.50	0.00	0.00	0.76	7.50	0.00
276.00	9.50	0.00	0.00	0.76	7.50	0.00
277.00	9.50	0.00	0.00	0.76	7.50	0.00
278.00	9.50	0.00	0.00	0.76	7.50	0.00
279.00	9.50	0.00	0.00	0.76	7.50	0.00
280.00	9.50	0.00	0.00	0.76	7.50	0.00
281.00	9.50	0.00	0.00	0.76	7.50	0.00
282.00	9.50	0.00	0.00	0.76	7.50	0.00
283.00	9.50	0.00	0.00	0.76	7.50	0.00
284.00	9.50	0.00	0.00	0.76	7.50	0.00
285.00	9.50	0.00	0.00	0.76	7.50	0.00
286.00	9.50	0.00	0.00	0.76	7.50	0.00
287.00	9.50	0.00	0.00	0.76	7.50	0.00

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
288.00	9.50	0.00	0.00	0.76	7.50	0.00
289.00	9.50	0.00	0.00	0.76	7.50	0.00
290.00	9.50	0.00	0.00	0.76	7.50	0.00
291.00	9.50	0.00	0.00	0.76	7.50	0.00
292.00	9.50	0.00	0.00	0.76	7.50	0.00
293.00	9.50	0.00	0.00	0.76	7.50	0.00
294.00	9.50	0.00	0.00	0.76	7.50	0.00
295.00	9.50	0.00	0.00	0.76	7.50	0.00
296.00	9.50	0.00	0.00	0.76	7.50	0.00
297.00	9.50	0.00	0.00	0.76	7.50	0.00
298.00	9.50	0.00	0.00	0.76	7.50	0.00
299.00	9.50	0.00	0.00	0.76	7.50	0.00
300.00	9.50	0.00	0.00	0.76	7.50	0.00
301.00	9.50	0.00	0.00	0.76	7.50	0.00
302.00	9.50	0.00	0.00	0.76	7.50	0.00
303.00	9.50	0.00	0.00	0.76	7.50	0.00
304.00	9.50	0.00	0.00	0.76	7.50	0.00
305.00	9.50	0.00	0.00	0.76	7.50	0.00
306.00	9.50	0.00	0.00	0.76	7.50	0.00
307.00	9.50	0.00	0.00	0.76	7.50	0.00
308.00	9.50	0.00	0.00	0.76	7.50	0.00
309.00	9.50	0.00	0.00	0.76	7.50	0.00
310.00	9.50	0.00	0.00	0.76	7.50	0.00
311.00	9.50	0.00	0.00	0.76	7.50	0.00
312.00	9.50	0.00	0.00	0.76	7.50	0.00
313.00	9.50	0.00	0.00	0.76	7.50	0.00
314.00	9.50	0.00	0.00	0.76	7.50	0.00
315.00	9.50	0.00	0.00	0.76	7.50	0.00
316.00	9.50	0.00	0.00	0.76	7.50	0.00
317.00	9.50	0.00	0.00	0.76	7.50	0.00
318.00	9.50	0.00	0.00	0.76	7.50	0.00
319.00	9.50	0.00	0.00	0.76	7.50	0.00
320.00	9.50	0.00	0.00	0.76	7.50	0.00
321.00	9.50	0.00	0.00	0.76	7.50	0.00
322.00	9.50	0.00	0.00	0.76	7.50	0.00
323.00	9.50	0.00	0.00	0.76	7.50	0.00
324.00	9.50	0.00	0.00	0.76	7.50	0.00
325.00	9.50	0.00	0.00	0.76	7.50	0.00
326.00	9.50	0.00	0.00	0.76	7.50	0.00
327.00	9.50	0.00	0.00	0.76	7.50	0.00
328.00	9.50	0.00	0.00	0.76	7.50	0.00
329.00	9.50	0.00	0.00	0.76	7.50	0.00
330.00	9.50	0.00	0.00	0.76	7.50	0.00
331.00	9.50	0.00	0.00	0.76	7.50	0.00
332.00	9.50	0.00	0.00	0.76	7.50	0.00
333.00	9.50	0.00	0.00	0.76	7.50	0.00
334.00	9.50	0.00	0.00	0.76	7.50	0.00
335.00	9.50	0.00	0.00	0.76	7.50	0.00
336.00	9.50	0.00	0.00	0.76	7.50	0.00
337.00	9.50	0.00	0.00	0.76	7.50	0.00
338.00	9.50	0.00	0.00	0.76	7.50	0.00
339.00	9.50	0.00	0.00	0.76	7.50	0.00
340.00	9.50	0.00	0.00	0.76	7.50	0.00
341.00	9.50	0.00	0.00	0.76	7.50	0.00
342.00	9.50	0.00	0.00	0.76	7.50	0.00
343.00	9.50	0.00	0.00	0.76	7.50	0.00
344.00	9.50	0.00	0.00	0.76	7.50	0.00
345.00	9.50	0.00	0.00	0.76	7.50	0.00
346.00	9.50	0.00	0.00	0.76	7.50	0.00
347.00	9.50	0.00	0.00	0.76	7.50	0.00
348.00	9.50	0.00	0.00	0.76	7.50	0.00
349.00	9.50	0.00	0.00	0.76	7.50	0.00
350.00	9.50	0.00	0.00	0.76	7.50	0.00
351.00	9.50	0.00	0.00	0.76	7.50	0.00
352.00	9.50	0.00	0.00	0.76	7.50	0.00
353.00	9.50	0.00	0.00	0.76	7.50	0.00
354.00	9.50	0.00	0.00	0.76	7.50	0.00
355.00	9.50	0.00	0.00	0.76	7.50	0.00
356.00	9.50	0.00	0.00	0.76	7.50	0.00

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
357.00	9.50	0.00	0.00	0.76	7.50	0.00
358.00	9.50	0.00	0.00	0.76	7.50	0.00
359.00	9.50	0.00	0.00	0.76	7.50	0.00
360.00	9.50	0.00	0.00	0.76	7.50	0.00

STRUCTURE MAXIMUM AND MINIMUM DISCHARGES

Struc	Max (cfs)	Time (hr)	Min (cfs)	Time (hr)
1	0.39	62.40	0.00	0.00

BASIN MAXIMUM AND MINIMUM STAGES

Basin	Max (ft)	Time (hr)	Min (ft)	Time (hr)
on-site	9.34	62.40	6.50	0.00

BASIN WATER BUDGETS (all units in acre-ft)

Basin	Total Runoff	Structure Inflow	Structure Outflow	Initial Storage	Final Storage	Residual
on-site	0.76	0.00	0.76	0.00	0.00	0.00

SECTION "IV"

DRAINAGE SUMMARY

The following is a summary of the design storms analyzed and the corresponding stage and discharge results;

	<u>Stage</u>	<u>Rate</u>
1. Minimum Finished Floor Elevation. 100 Year, 3 Day 0 Discharge event	10.61 (11.00)	0.0
2. Minimum Perimeter Grade Elevation. 25 Year, 3 Day Event	9.34'	0.39 c.f.s.
3. Design Discharge Event 10 Year, 3 Day N.S.L.R.W.C.D	9.01'	0.37 c.f.s.
4. Minimum Road Crown Elevation. Year, 1 Day Event	8.73'	0.34 c.f.s.