

PRELIMINARY STORMWATER MANAGEMENT REPORT

for

Chipotle - Margate

5555 W Atlantic Boulevard
Margate, FL 33063

Prepared by

BOHLER //

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September 10, 2021

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Section 1

Executive Summary

Executive Summary

Site Description

The Ferber Company is proposing to construct a Chipotle Mexican Grill in the Lakewood Plaza at 5555 W Atlantic Boulevard, Margate, Florida 33063. The proposed project includes the construction of a commercial building along with associated parking, utilities, and landscaping. The commercial development is 0.91 acres.

Existing Conditions & Hydrology

The existing plaza is currently zoned as TOC-C and is located on the northwest corner of W Atlantic Boulevard and State Road 7. There is currently an existing South Florida Water Management District (SFWMD) ERP for Lakewood Plaza (No. 06-03360-P). Given that the Chipotle site is being subdivided from the Lakewood Plaza property, this site will require a modification of the approved ERP. The site is within the SFWMD C-14 Basin and based on surveyed information and site observations, existing storm water runoff that accumulates upon the site is collected in an on-site drainage system and conveyed via an underground system of pipes and exfiltration trenches before discharging into a nearby lake.

Proposed Conditions & Hydrology

The proposed drainage improvements associated with this project include a system of interconnected inlets, storm pipes, and a control structure with a connection to the existing drainage system. Based on a Pre-Development versus Post-Development analysis, the site improvements will result in a net reduction of the impervious area by 0.03 acres. Therefore, no additional stormwater treatment is anticipated at this stage.

A perimeter berm and a control structure will be used for water attenuation based on the 25yr/72hr storm event per SFWMD criteria. The finished floor elevation will be set above the 100-yr/72-hr storm event stage or FEMA elevation, whichever is greater.

Groundwater Elevation

Per existing ERP No. 06-03360-P, the seasonal high groundwater table is estimated to be approximately 5 feet below grade (WT EL = 5.5').

Floodplain

This site is located within flood zone AH (EL = 11') per FEMA map number 12011C0355H dated 8/18/2014.

Vertical Datum

All elevations are based on National American Vertical Datum of 1988 (NAVD 88).

Methodology

A. Area Summary: Staging Analysis Area Summary

Proposed Land Use	Total Basin Area (AC.)	Total Building Area (AC.)	Total Pervious Area (AC.)	Total Impervious Area (Excluding Building) (AC.)
Chipotle	0.91	0.06	0.19	0.66

Existing Land Use	Total Basin Area (AC.)	Total Building Area (AC.)	Total Pervious Area (AC.)	Total Impervious Area (Excluding Building) (AC.)
Parking	0.91	0.00	0.16	0.75

B. Design Criteria

Water Quality: Water quality treatment is not required as there is a net decrease in impervious area of 0.03 AC.

Water Attenuation: A perimeter berm and a control structure will be used to hold the runoff from the 25yr-72hr on-site per SFWMD drainage design criteria.

Finish Floor Elevation: The finish floor elevation will be set to be above 100yr-72hr storm event stage or FEMA elevation, whichever is greater.

C. Post-Development Design Storm Peak Stages Summary

Design Storm	Calculated Elevations-NAVD	Design Elevation - Ft., NAVD	Design Criteria
100-Year / 72-Hour	10.30'	12.00'	Finished Floor
25-Year / 72-Hour	10.21'	10.50'	Site Berm
5-Year / 24-Hour	9.29'	9.50	Inlet Elevation

D. Design Storm Peak Discharge Summary

Design Storm	PRE (cfs)	POST (cfs)	Design Criteria
25-Year / 72-Hour	44.32	0.30	Net Improvement

Section 2

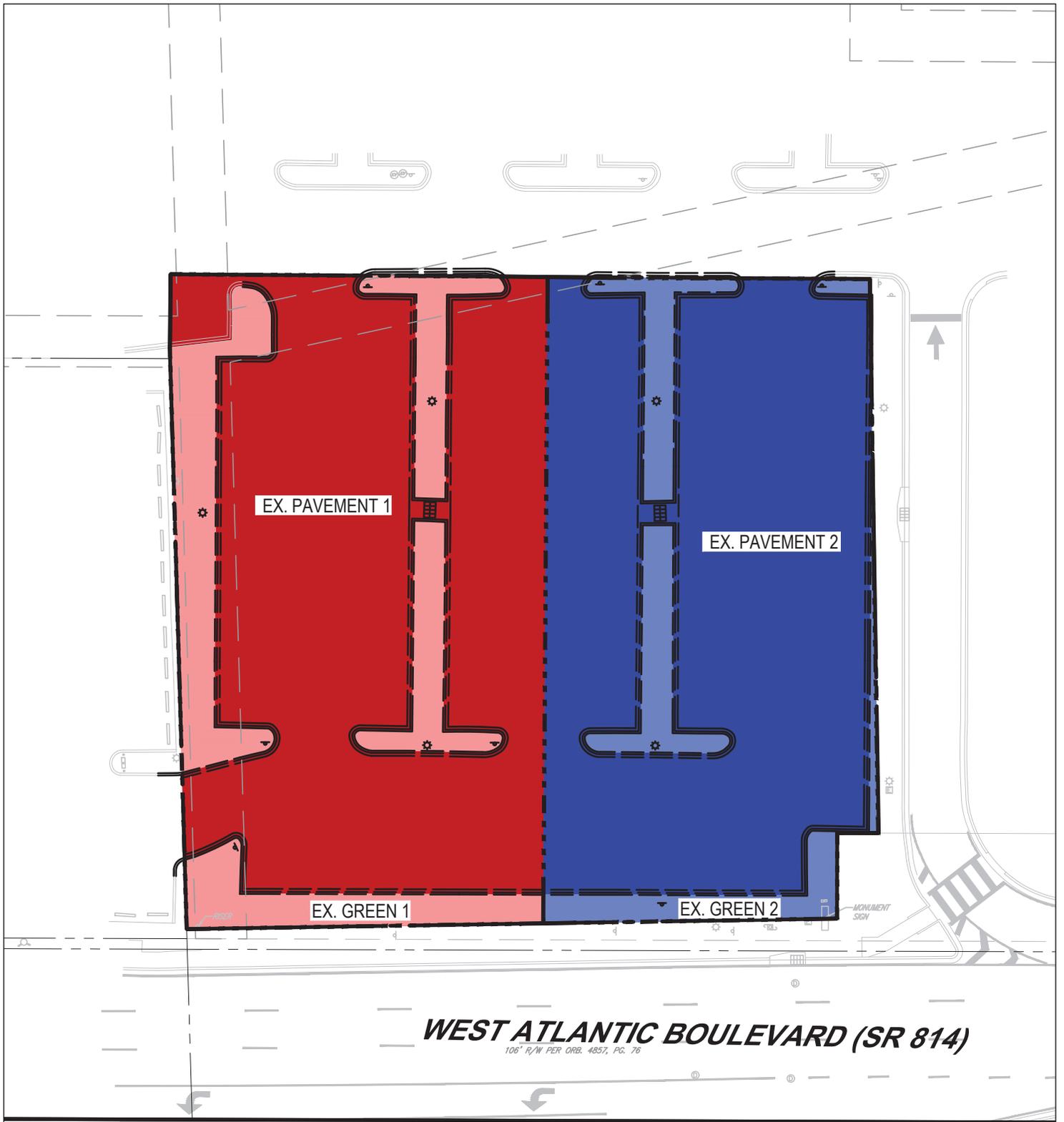
Location Map



Section 3

Basin Maps

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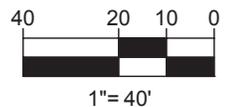
PRE-DEVELOPMENT DRAINAGE MAP

8/23/2021 | REM | FLB200250

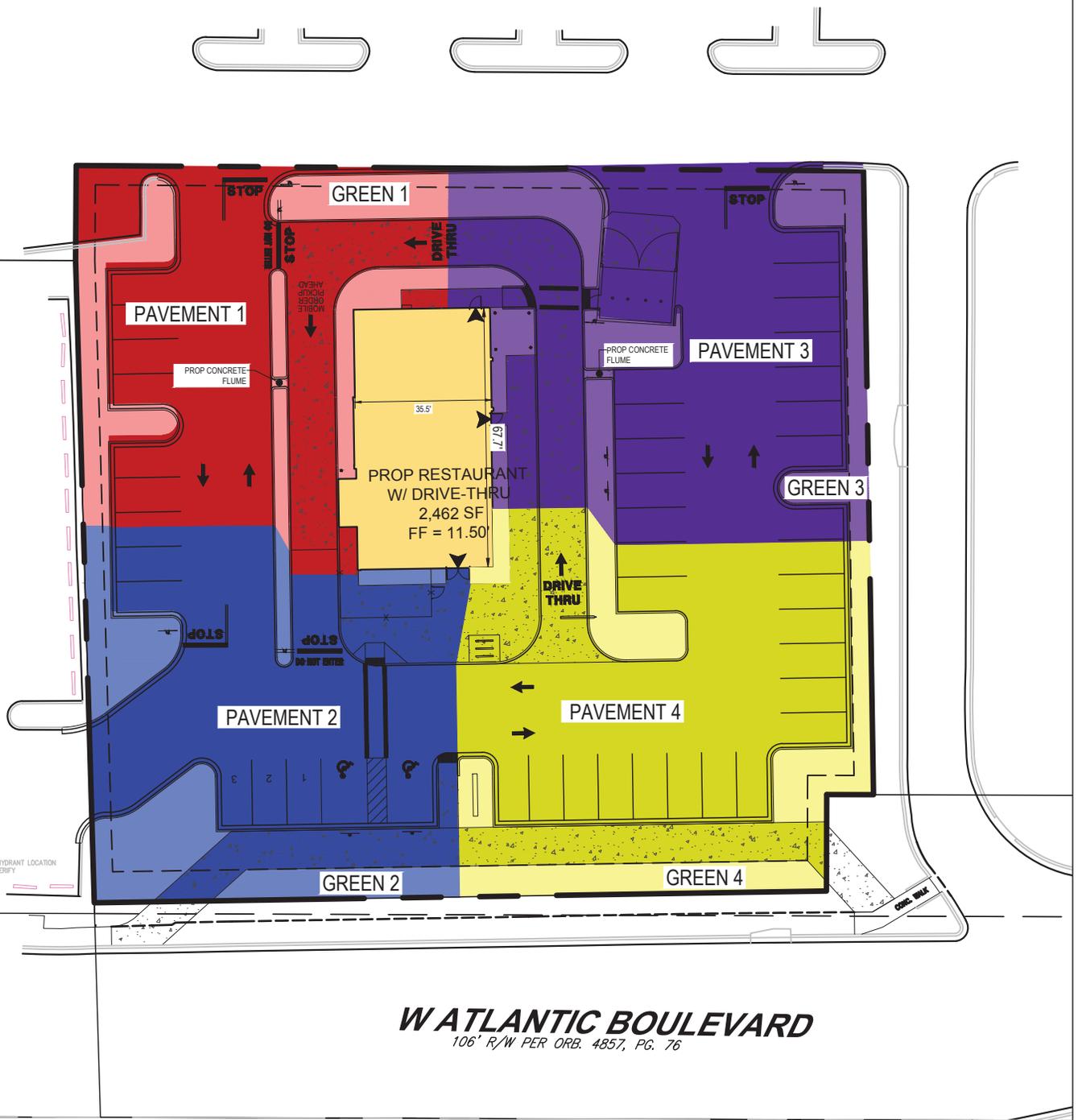
BOHLER //

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5555 W ATLANTIC BOULEVARD
MARGATE, FL 33063



H:\2020\FLB20089\DRAWINGS\EXHIBITS\2021-05-26 - POST DRAINAGE EXHIBIT-->LAYOUT: POST-DEVELOPMENT



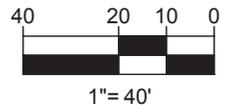
W ATLANTIC BOULEVARD
 106' R/W PER ORB. 4857, PG. 76

**POST-DEVELOPMENT
 DRAINAGE MAP**

6/10/2021 | REM | FLB200250

BOHLER //

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**5555 W ATLANTIC BOULEVARD
 MARGATE, FL 33063**

Section 4

Post-Development Drainage Calculations



Date: 9/9/2021

Project: Chipotle - Margate

Project No.: FLB200099

Calculated By: RM

Checked By: CL

Phase I - Storm Water Management Calculations - Overall Proposed

SITE DATA

Limits of Development (A_T)=	0.91 Acres	100.0%
Total Building/Canopy (A_B)=	0.06 Acres	6.2%
Total Pavement/Sidewalk (A_I)=	0.66 Acres	72.6%
Total Green (A_P)=	0.19 Acres	21.2%

SOIL STORAGE CALCULATIONS

Average Pervious Elevation =	10.5 Ft. +/- NAVD
Seasonal High Water Table =	5.50 Ft. NAVD
Depth to water table=	5.00 Ft.
Soil Storage Type	Flatwoods
From SFWMD Manual for to W.T. (Comp S) =	6.75 In.
Compute overall soilstorage for site.=	1.43 In.
$S = (\text{Comp S}) \times [A_P / A_T];$	
Compute CN value for site=	87
$CN = 1000 / (S + 10)$	

COMPUTE 100-Year, 72-Hour Runoff Volume for Proposed Site

Rainfall (P_{100-72}),	18.00 In.
$Q_{100-72} = (P_{100-72} - 0.2S^2) / (P_{100-72} + 0.8S) =$	16.39 In.
Compute volume generated by storm	
$V = (P_{100-72} / 12) \times A_T =$	1.24 Ac.-Ft.

COMPUTE 25-Year, 72-hour Runoff Volume for Proposed Site

Rainfall (P_{25-72}),	14.00 In.
$Q_{25-72} = (P_{25-72} - 0.2S^2) / (P_{25-72} + 0.8S) =$	12.42 In.
Runoff with Exfiltration Trench Credit (10.5 In.)	1.92 In.
Compute volume generated by storm	
$V = (P_{25-72} / 12) \times A_T =$	0.15 Ac.-Ft.

COMPUTE 5-Year, 1-Hour Runoff Volume for Proposed Site

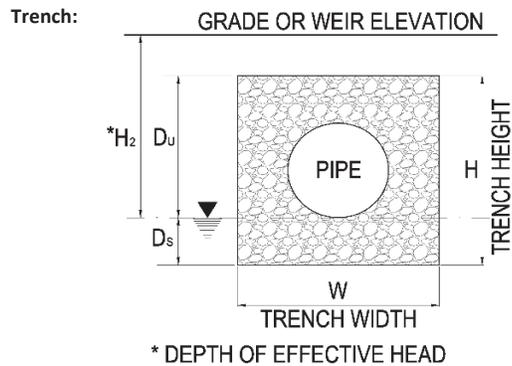
Rainfall (P_{5-1}),	3.30 In.
$Q_{5-24} = (P_{5-1} - 0.2S^2) / (P_{5-1} + 0.8S) =$	2.75 In.
Compute volume generated by storm	
$V = (P_{5-1} / 12) \times A_T =$	0.21 Ac.-Ft.

Phase I - Exfiltration Trench Volume Calculations

K-Values†	
Test Hole #	(cfs/ft ² /ft hd)
BHP-1	2.50E-04
BHP-2	-
BHP-3	-
BHP-4	-
K _{AVG}	2.50E-04

Description of Elevations	Elevations (NAVD)
Grade	9.00
Weir	8.00
Top of Trench	7.00
Seasonal High Water Table	5.50
Bottom of Trench	2.00

Trench Properties	
H ₂ =	2.50 Ft.
W =	10.00 Ft.
D _u =	1.50 Ft.
D _s =	3.50 Ft.
H = D _u + D _s =	5.00 Ft.



$$V = L \times [K \times (2 \times H_2 \times D_u - D_u^2 + 2 \times H_2 \times D_s) + (1.39 \times 10^{-4}) \times (W \times D_u)]$$

Stage (Ft.)	H ₂ (Ft.)	Exfiltrated Volume (Ac.-Ft.)
5.50	0.00	0.03
6.00	0.50	0.05
6.50	1.00	0.08
7.00	1.50	0.10
7.50	2.00	0.13
8.00	2.50	0.15
8.50	3.00	0.17
9.00	3.50	0.20
9.50	4.00	0.22
10.00	4.50	0.25
10.50	5.00	0.27
11.00	5.50	0.30
11.50	6.00	0.32

Total Trench Length Provided:
L_{PROVIDED} = 232 Feet

† Refer to Appendix G for the Geotechnical Report



Date: 9/9/2021
 Project: Chipotle - Margate
 Project No: FLB200099
 Calculated By: RM
 Checked By: CL

Post Development Stage-Storage Computation

Basin	Proposed Building/ Canopy	Pavement 1	Green 1	Pavement 2	Green 2	Pavement 3	Green 3	Pavement 4	Green 4	Exfiltration	Total Area (Ac.)
Land Type	Impervious	Impervious	Pervious	Impervious	Pervious	Impervious	Pervious	Impervious	Pervious	N/A	
Area (Acres)	0.06	0.16	0.05	0.18	0.04	0.12	0.04	0.20	0.05	N/A	0.91
Storage Type	Flat	Sloped	Flat	Sloped	Flat	Sloped	Flat	Sloped	Flat	N/A	
Start (Ft.)	11.50	9.00	11.00	9.00	11.00	9.00	11.00	9.00	11.00	N/A	
End (Ft.)	11.50	10.50	11.00	10.50	11.00	10.50	11.00	10.50	11.00	N/A	
Stage (Ft.)	Storage (Ac-Ft)	Storage (Ac-Ft)	Storage (Ac-Ft)	Storage (Ac-Ft)	Storage (Ac-Ft)	Storage (Ac-Ft)	Storage (Ac-Ft)	Storage (Ac-Ft)	Storage (Ac-Ft)	Storage (Ac-Ft)	Total Storage (Ac-Ft)
5.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.03
6.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.05
6.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.08
7.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.10
7.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.13
8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.15
8.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.15
9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.15
9.50	0.00	0.01	0.01	0.00	0.00	0.01	0.01	0.00	0.02	0.15	0.21
10.00	0.00	0.05	0.05	0.00	0.00	0.04	0.04	0.00	0.07	0.15	0.41
10.50	0.00	0.12	0.12	0.00	0.00	0.09	0.09	0.00	0.15	0.15	0.73
11.00	0.00	0.20	0.20	0.00	0.00	0.15	0.15	0.00	0.25	0.15	1.12
11.50	0.00	0.29	0.29	0.02	0.02	0.21	0.21	0.02	0.36	0.15	1.57

Project Name: Chipotle - Margate

Reviewer: CL

Project Number: FLB200099

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

Time Step: 0.1 hr, Iterations: 10

Basin 1: Proposed Site

Method: Santa Barbara Unit Hydrograph

Rainfall Distribution: SFWMD - 24 hr

Design Frequency: 5 year

1 Day Rainfall: 3.3 inches

Area: 0.91 acres

Ground Storage: 1.43 inches

Time of Concentration: 0.1 hours

Initial Stage: 5.5 ft NGVD

Stage (ft NGVD)	Storage (acre-ft)
5.50	0.03
6.00	0.05
6.50	0.08
7.00	0.10
7.50	0.13
8.00	0.15
8.50	0.15
9.00	0.15
9.50	0.21
10.00	0.41
10.50	0.73
11.00	1.12
11.50	1.57

Offsite Receiving Body: Offsitel

Time (hr)	Stage (ft NGVD)
0.00	5.50
24.00	5.50
48.00	6.00
72.00	5.50
96.00	5.50
1000000000.00	5.50

Structure: 1

From Basin: Proposed Site

To Basin: Offsitel

Structure Type: Gravity

Weir: Sharp Crested, Crest Elev = 9.76 ft NGVD, Length = 3 ft

Bleeder: None

Pipe: None

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	5.50	5.50
1.00	0.03	0.00	0.00	0.00	5.50	5.50
2.00	0.07	0.00	0.00	0.00	5.50	5.50
3.00	0.11	0.00	0.00	0.00	5.50	5.50
4.00	0.15	0.00	0.00	0.00	5.50	5.50
5.00	0.20	0.00	0.00	0.00	5.50	5.50
6.00	0.27	0.00	0.00	0.00	5.50	5.50
7.00	0.36	0.01	0.00	0.00	5.50	5.50
8.00	0.45	0.02	0.00	0.00	5.53	5.50
9.00	0.56	0.03	0.00	0.00	5.58	5.50
10.00	0.70	0.05	0.00	0.00	5.67	5.50

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)
11.00	0.89	0.10	0.00	0.00	5.82	5.50
12.00	2.16	1.58	0.00	0.00	6.92	5.50
13.00	2.53	0.20	0.00	0.00	7.56	5.50
14.00	2.70	0.12	0.00	0.00	7.85	5.50
15.00	2.81	0.08	0.00	0.00	9.01	5.50
16.00	2.90	0.08	0.00	0.00	9.06	5.50
17.00	2.96	0.05	0.00	0.00	9.10	5.50
18.00	3.02	0.05	0.00	0.00	9.13	5.50
19.00	3.08	0.05	0.00	0.00	9.17	5.50
20.00	3.14	0.05	0.00	0.00	9.20	5.50
21.00	3.18	0.03	0.00	0.00	9.22	5.50
22.00	3.22	0.03	0.00	0.00	9.24	5.50
23.00	3.26	0.03	0.00	0.00	9.27	5.50
24.00	3.30	0.03	0.00	0.00	9.29	5.50
25.00	3.30	0.00	0.00	0.00	9.29	5.52
26.00	3.30	0.00	0.00	0.00	9.29	5.54
27.00	3.30	0.00	0.00	0.00	9.29	5.56
28.00	3.30	0.00	0.00	0.00	9.29	5.58
29.00	3.30	0.00	0.00	0.00	9.29	5.60
30.00	3.30	0.00	0.00	0.00	9.29	5.62
31.00	3.30	0.00	0.00	0.00	9.29	5.65
32.00	3.30	0.00	0.00	0.00	9.29	5.67
33.00	3.30	0.00	0.00	0.00	9.29	5.69
34.00	3.30	0.00	0.00	0.00	9.29	5.71
35.00	3.30	0.00	0.00	0.00	9.29	5.73
36.00	3.30	0.00	0.00	0.00	9.29	5.75
37.00	3.30	0.00	0.00	0.00	9.29	5.77
38.00	3.30	0.00	0.00	0.00	9.29	5.79
39.00	3.30	0.00	0.00	0.00	9.29	5.81
40.00	3.30	0.00	0.00	0.00	9.29	5.83
41.00	3.30	0.00	0.00	0.00	9.29	5.85
42.00	3.30	0.00	0.00	0.00	9.29	5.88
43.00	3.30	0.00	0.00	0.00	9.29	5.90
44.00	3.30	0.00	0.00	0.00	9.29	5.92
45.00	3.30	0.00	0.00	0.00	9.29	5.94
46.00	3.30	0.00	0.00	0.00	9.29	5.96
47.00	3.30	0.00	0.00	0.00	9.29	5.98
48.00	3.30	0.00	0.00	0.00	9.29	6.00
49.00	3.30	0.00	0.00	0.00	9.29	5.98
50.00	3.30	0.00	0.00	0.00	9.29	5.96
51.00	3.30	0.00	0.00	0.00	9.29	5.94
52.00	3.30	0.00	0.00	0.00	9.29	5.92
53.00	3.30	0.00	0.00	0.00	9.29	5.90
54.00	3.30	0.00	0.00	0.00	9.29	5.88
55.00	3.30	0.00	0.00	0.00	9.29	5.85
56.00	3.30	0.00	0.00	0.00	9.29	5.83
57.00	3.30	0.00	0.00	0.00	9.29	5.81
58.00	3.30	0.00	0.00	0.00	9.29	5.79
59.00	3.30	0.00	0.00	0.00	9.29	5.77
60.00	3.30	0.00	0.00	0.00	9.29	5.75
61.00	3.30	0.00	0.00	0.00	9.29	5.73
62.00	3.30	0.00	0.00	0.00	9.29	5.71
63.00	3.30	0.00	0.00	0.00	9.29	5.69
64.00	3.30	0.00	0.00	0.00	9.29	5.67
65.00	3.30	0.00	0.00	0.00	9.29	5.65
66.00	3.30	0.00	0.00	0.00	9.29	5.62
67.00	3.30	0.00	0.00	0.00	9.29	5.60
68.00	3.30	0.00	0.00	0.00	9.29	5.58
69.00	3.30	0.00	0.00	0.00	9.29	5.56
70.00	3.30	0.00	0.00	0.00	9.29	5.54
71.00	3.30	0.00	0.00	0.00	9.29	5.52
72.00	3.30	0.00	0.00	0.00	9.29	5.50
73.00	3.30	0.00	0.00	0.00	9.29	5.50
74.00	3.30	0.00	0.00	0.00	9.29	5.50
75.00	3.30	0.00	0.00	0.00	9.29	5.50
76.00	3.30	0.00	0.00	0.00	9.29	5.50
77.00	3.30	0.00	0.00	0.00	9.29	5.50
78.00	3.30	0.00	0.00	0.00	9.29	5.50
79.00	3.30	0.00	0.00	0.00	9.29	5.50

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)
80.00	3.30	0.00	0.00	0.00	9.29	5.50
81.00	3.30	0.00	0.00	0.00	9.29	5.50
82.00	3.30	0.00	0.00	0.00	9.29	5.50
83.00	3.30	0.00	0.00	0.00	9.29	5.50
84.00	3.30	0.00	0.00	0.00	9.29	5.50
85.00	3.30	0.00	0.00	0.00	9.29	5.50
86.00	3.30	0.00	0.00	0.00	9.29	5.50
87.00	3.30	0.00	0.00	0.00	9.29	5.50
88.00	3.30	0.00	0.00	0.00	9.29	5.50
89.00	3.30	0.00	0.00	0.00	9.29	5.50
90.00	3.30	0.00	0.00	0.00	9.29	5.50
91.00	3.30	0.00	0.00	0.00	9.29	5.50
92.00	3.30	0.00	0.00	0.00	9.29	5.50
93.00	3.30	0.00	0.00	0.00	9.29	5.50
94.00	3.30	0.00	0.00	0.00	9.29	5.50
95.00	3.30	0.00	0.00	0.00	9.29	5.50
96.00	3.30	0.00	0.00	0.00	9.29	5.50
97.00	3.30	0.00	0.00	0.00	9.29	5.50
98.00	3.30	0.00	0.00	0.00	9.29	5.50
99.00	3.30	0.00	0.00	0.00	9.29	5.50
100.00	3.30	0.00	0.00	0.00	9.29	5.50
101.00	3.30	0.00	0.00	0.00	9.29	5.50
102.00	3.30	0.00	0.00	0.00	9.29	5.50
103.00	3.30	0.00	0.00	0.00	9.29	5.50
104.00	3.30	0.00	0.00	0.00	9.29	5.50
105.00	3.30	0.00	0.00	0.00	9.29	5.50
106.00	3.30	0.00	0.00	0.00	9.29	5.50
107.00	3.30	0.00	0.00	0.00	9.29	5.50
108.00	3.30	0.00	0.00	0.00	9.29	5.50
109.00	3.30	0.00	0.00	0.00	9.29	5.50
110.00	3.30	0.00	0.00	0.00	9.29	5.50
111.00	3.30	0.00	0.00	0.00	9.29	5.50
112.00	3.30	0.00	0.00	0.00	9.29	5.50
113.00	3.30	0.00	0.00	0.00	9.29	5.50
114.00	3.30	0.00	0.00	0.00	9.29	5.50
115.00	3.30	0.00	0.00	0.00	9.29	5.50
116.00	3.30	0.00	0.00	0.00	9.29	5.50
117.00	3.30	0.00	0.00	0.00	9.29	5.50
118.00	3.30	0.00	0.00	0.00	9.29	5.50
119.00	3.30	0.00	0.00	0.00	9.29	5.50
120.00	3.30	0.00	0.00	0.00	9.29	5.50
121.00	3.30	0.00	0.00	0.00	9.29	5.50
122.00	3.30	0.00	0.00	0.00	9.29	5.50
123.00	3.30	0.00	0.00	0.00	9.29	5.50
124.00	3.30	0.00	0.00	0.00	9.29	5.50
125.00	3.30	0.00	0.00	0.00	9.29	5.50
126.00	3.30	0.00	0.00	0.00	9.29	5.50
127.00	3.30	0.00	0.00	0.00	9.29	5.50
128.00	3.30	0.00	0.00	0.00	9.29	5.50
129.00	3.30	0.00	0.00	0.00	9.29	5.50
130.00	3.30	0.00	0.00	0.00	9.29	5.50
131.00	3.30	0.00	0.00	0.00	9.29	5.50
132.00	3.30	0.00	0.00	0.00	9.29	5.50
133.00	3.30	0.00	0.00	0.00	9.29	5.50
134.00	3.30	0.00	0.00	0.00	9.29	5.50
135.00	3.30	0.00	0.00	0.00	9.29	5.50
136.00	3.30	0.00	0.00	0.00	9.29	5.50
137.00	3.30	0.00	0.00	0.00	9.29	5.50
138.00	3.30	0.00	0.00	0.00	9.29	5.50
139.00	3.30	0.00	0.00	0.00	9.29	5.50
140.00	3.30	0.00	0.00	0.00	9.29	5.50
141.00	3.30	0.00	0.00	0.00	9.29	5.50
142.00	3.30	0.00	0.00	0.00	9.29	5.50
143.00	3.30	0.00	0.00	0.00	9.29	5.50
144.00	3.30	0.00	0.00	0.00	9.29	5.50
145.00	3.30	0.00	0.00	0.00	9.29	5.50
146.00	3.30	0.00	0.00	0.00	9.29	5.50
147.00	3.30	0.00	0.00	0.00	9.29	5.50
148.00	3.30	0.00	0.00	0.00	9.29	5.50

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)
149.00	3.30	0.00	0.00	0.00	9.29	5.50
150.00	3.30	0.00	0.00	0.00	9.29	5.50
151.00	3.30	0.00	0.00	0.00	9.29	5.50
152.00	3.30	0.00	0.00	0.00	9.29	5.50
153.00	3.30	0.00	0.00	0.00	9.29	5.50
154.00	3.30	0.00	0.00	0.00	9.29	5.50
155.00	3.30	0.00	0.00	0.00	9.29	5.50
156.00	3.30	0.00	0.00	0.00	9.29	5.50
157.00	3.30	0.00	0.00	0.00	9.29	5.50
158.00	3.30	0.00	0.00	0.00	9.29	5.50
159.00	3.30	0.00	0.00	0.00	9.29	5.50
160.00	3.30	0.00	0.00	0.00	9.29	5.50
161.00	3.30	0.00	0.00	0.00	9.29	5.50
162.00	3.30	0.00	0.00	0.00	9.29	5.50
163.00	3.30	0.00	0.00	0.00	9.29	5.50
164.00	3.30	0.00	0.00	0.00	9.29	5.50
165.00	3.30	0.00	0.00	0.00	9.29	5.50
166.00	3.30	0.00	0.00	0.00	9.29	5.50
167.00	3.30	0.00	0.00	0.00	9.29	5.50
168.00	3.30	0.00	0.00	0.00	9.29	5.50
169.00	3.30	0.00	0.00	0.00	9.29	5.50
170.00	3.30	0.00	0.00	0.00	9.29	5.50
171.00	3.30	0.00	0.00	0.00	9.29	5.50
172.00	3.30	0.00	0.00	0.00	9.29	5.50
173.00	3.30	0.00	0.00	0.00	9.29	5.50
174.00	3.30	0.00	0.00	0.00	9.29	5.50
175.00	3.30	0.00	0.00	0.00	9.29	5.50
176.00	3.30	0.00	0.00	0.00	9.29	5.50
177.00	3.30	0.00	0.00	0.00	9.29	5.50
178.00	3.30	0.00	0.00	0.00	9.29	5.50
179.00	3.30	0.00	0.00	0.00	9.29	5.50
180.00	3.30	0.00	0.00	0.00	9.29	5.50
181.00	3.30	0.00	0.00	0.00	9.29	5.50
182.00	3.30	0.00	0.00	0.00	9.29	5.50
183.00	3.30	0.00	0.00	0.00	9.29	5.50
184.00	3.30	0.00	0.00	0.00	9.29	5.50
185.00	3.30	0.00	0.00	0.00	9.29	5.50
186.00	3.30	0.00	0.00	0.00	9.29	5.50
187.00	3.30	0.00	0.00	0.00	9.29	5.50
188.00	3.30	0.00	0.00	0.00	9.29	5.50
189.00	3.30	0.00	0.00	0.00	9.29	5.50
190.00	3.30	0.00	0.00	0.00	9.29	5.50
191.00	3.30	0.00	0.00	0.00	9.29	5.50
192.00	3.30	0.00	0.00	0.00	9.29	5.50
193.00	3.30	0.00	0.00	0.00	9.29	5.50
194.00	3.30	0.00	0.00	0.00	9.29	5.50
195.00	3.30	0.00	0.00	0.00	9.29	5.50
196.00	3.30	0.00	0.00	0.00	9.29	5.50
197.00	3.30	0.00	0.00	0.00	9.29	5.50
198.00	3.30	0.00	0.00	0.00	9.29	5.50
199.00	3.30	0.00	0.00	0.00	9.29	5.50
200.00	3.30	0.00	0.00	0.00	9.29	5.50
201.00	3.30	0.00	0.00	0.00	9.29	5.50
202.00	3.30	0.00	0.00	0.00	9.29	5.50
203.00	3.30	0.00	0.00	0.00	9.29	5.50
204.00	3.30	0.00	0.00	0.00	9.29	5.50
205.00	3.30	0.00	0.00	0.00	9.29	5.50
206.00	3.30	0.00	0.00	0.00	9.29	5.50
207.00	3.30	0.00	0.00	0.00	9.29	5.50
208.00	3.30	0.00	0.00	0.00	9.29	5.50
209.00	3.30	0.00	0.00	0.00	9.29	5.50
210.00	3.30	0.00	0.00	0.00	9.29	5.50
211.00	3.30	0.00	0.00	0.00	9.29	5.50
212.00	3.30	0.00	0.00	0.00	9.29	5.50
213.00	3.30	0.00	0.00	0.00	9.29	5.50
214.00	3.30	0.00	0.00	0.00	9.29	5.50
215.00	3.30	0.00	0.00	0.00	9.29	5.50
216.00	3.30	0.00	0.00	0.00	9.29	5.50
217.00	3.30	0.00	0.00	0.00	9.29	5.50

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)
218.00	3.30	0.00	0.00	0.00	9.29	5.50
219.00	3.30	0.00	0.00	0.00	9.29	5.50
220.00	3.30	0.00	0.00	0.00	9.29	5.50
221.00	3.30	0.00	0.00	0.00	9.29	5.50
222.00	3.30	0.00	0.00	0.00	9.29	5.50
223.00	3.30	0.00	0.00	0.00	9.29	5.50
224.00	3.30	0.00	0.00	0.00	9.29	5.50
225.00	3.30	0.00	0.00	0.00	9.29	5.50
226.00	3.30	0.00	0.00	0.00	9.29	5.50
227.00	3.30	0.00	0.00	0.00	9.29	5.50
228.00	3.30	0.00	0.00	0.00	9.29	5.50
229.00	3.30	0.00	0.00	0.00	9.29	5.50
230.00	3.30	0.00	0.00	0.00	9.29	5.50
231.00	3.30	0.00	0.00	0.00	9.29	5.50
232.00	3.30	0.00	0.00	0.00	9.29	5.50
233.00	3.30	0.00	0.00	0.00	9.29	5.50
234.00	3.30	0.00	0.00	0.00	9.29	5.50
235.00	3.30	0.00	0.00	0.00	9.29	5.50
236.00	3.30	0.00	0.00	0.00	9.29	5.50
237.00	3.30	0.00	0.00	0.00	9.29	5.50
238.00	3.30	0.00	0.00	0.00	9.29	5.50
239.00	3.30	0.00	0.00	0.00	9.29	5.50
240.00	3.30	0.00	0.00	0.00	9.29	5.50
241.00	3.30	0.00	0.00	0.00	9.29	5.50
242.00	3.30	0.00	0.00	0.00	9.29	5.50
243.00	3.30	0.00	0.00	0.00	9.29	5.50
244.00	3.30	0.00	0.00	0.00	9.29	5.50
245.00	3.30	0.00	0.00	0.00	9.29	5.50
246.00	3.30	0.00	0.00	0.00	9.29	5.50
247.00	3.30	0.00	0.00	0.00	9.29	5.50
248.00	3.30	0.00	0.00	0.00	9.29	5.50
249.00	3.30	0.00	0.00	0.00	9.29	5.50
250.00	3.30	0.00	0.00	0.00	9.29	5.50
251.00	3.30	0.00	0.00	0.00	9.29	5.50
252.00	3.30	0.00	0.00	0.00	9.29	5.50
253.00	3.30	0.00	0.00	0.00	9.29	5.50
254.00	3.30	0.00	0.00	0.00	9.29	5.50
255.00	3.30	0.00	0.00	0.00	9.29	5.50
256.00	3.30	0.00	0.00	0.00	9.29	5.50
257.00	3.30	0.00	0.00	0.00	9.29	5.50
258.00	3.30	0.00	0.00	0.00	9.29	5.50
259.00	3.30	0.00	0.00	0.00	9.29	5.50
260.00	3.30	0.00	0.00	0.00	9.29	5.50
261.00	3.30	0.00	0.00	0.00	9.29	5.50
262.00	3.30	0.00	0.00	0.00	9.29	5.50
263.00	3.30	0.00	0.00	0.00	9.29	5.50
264.00	3.30	0.00	0.00	0.00	9.29	5.50
265.00	3.30	0.00	0.00	0.00	9.29	5.50
266.00	3.30	0.00	0.00	0.00	9.29	5.50
267.00	3.30	0.00	0.00	0.00	9.29	5.50
268.00	3.30	0.00	0.00	0.00	9.29	5.50
269.00	3.30	0.00	0.00	0.00	9.29	5.50
270.00	3.30	0.00	0.00	0.00	9.29	5.50
271.00	3.30	0.00	0.00	0.00	9.29	5.50
272.00	3.30	0.00	0.00	0.00	9.29	5.50
273.00	3.30	0.00	0.00	0.00	9.29	5.50
274.00	3.30	0.00	0.00	0.00	9.29	5.50
275.00	3.30	0.00	0.00	0.00	9.29	5.50
276.00	3.30	0.00	0.00	0.00	9.29	5.50
277.00	3.30	0.00	0.00	0.00	9.29	5.50
278.00	3.30	0.00	0.00	0.00	9.29	5.50
279.00	3.30	0.00	0.00	0.00	9.29	5.50
280.00	3.30	0.00	0.00	0.00	9.29	5.50
281.00	3.30	0.00	0.00	0.00	9.29	5.50
282.00	3.30	0.00	0.00	0.00	9.29	5.50
283.00	3.30	0.00	0.00	0.00	9.29	5.50
284.00	3.30	0.00	0.00	0.00	9.29	5.50
285.00	3.30	0.00	0.00	0.00	9.29	5.50
286.00	3.30	0.00	0.00	0.00	9.29	5.50

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)
287.00	3.30	0.00	0.00	0.00	9.29	5.50
288.00	3.30	0.00	0.00	0.00	9.29	5.50
289.00	3.30	0.00	0.00	0.00	9.29	5.50
290.00	3.30	0.00	0.00	0.00	9.29	5.50
291.00	3.30	0.00	0.00	0.00	9.29	5.50
292.00	3.30	0.00	0.00	0.00	9.29	5.50
293.00	3.30	0.00	0.00	0.00	9.29	5.50
294.00	3.30	0.00	0.00	0.00	9.29	5.50
295.00	3.30	0.00	0.00	0.00	9.29	5.50
296.00	3.30	0.00	0.00	0.00	9.29	5.50
297.00	3.30	0.00	0.00	0.00	9.29	5.50
298.00	3.30	0.00	0.00	0.00	9.29	5.50
299.00	3.30	0.00	0.00	0.00	9.29	5.50
300.00	3.30	0.00	0.00	0.00	9.29	5.50
301.00	3.30	0.00	0.00	0.00	9.29	5.50
302.00	3.30	0.00	0.00	0.00	9.29	5.50
303.00	3.30	0.00	0.00	0.00	9.29	5.50
304.00	3.30	0.00	0.00	0.00	9.29	5.50
305.00	3.30	0.00	0.00	0.00	9.29	5.50
306.00	3.30	0.00	0.00	0.00	9.29	5.50
307.00	3.30	0.00	0.00	0.00	9.29	5.50
308.00	3.30	0.00	0.00	0.00	9.29	5.50
309.00	3.30	0.00	0.00	0.00	9.29	5.50
310.00	3.30	0.00	0.00	0.00	9.29	5.50
311.00	3.30	0.00	0.00	0.00	9.29	5.50
312.00	3.30	0.00	0.00	0.00	9.29	5.50
313.00	3.30	0.00	0.00	0.00	9.29	5.50
314.00	3.30	0.00	0.00	0.00	9.29	5.50
315.00	3.30	0.00	0.00	0.00	9.29	5.50
316.00	3.30	0.00	0.00	0.00	9.29	5.50
317.00	3.30	0.00	0.00	0.00	9.29	5.50
318.00	3.30	0.00	0.00	0.00	9.29	5.50
319.00	3.30	0.00	0.00	0.00	9.29	5.50
320.00	3.30	0.00	0.00	0.00	9.29	5.50
321.00	3.30	0.00	0.00	0.00	9.29	5.50
322.00	3.30	0.00	0.00	0.00	9.29	5.50
323.00	3.30	0.00	0.00	0.00	9.29	5.50
324.00	3.30	0.00	0.00	0.00	9.29	5.50
325.00	3.30	0.00	0.00	0.00	9.29	5.50
326.00	3.30	0.00	0.00	0.00	9.29	5.50
327.00	3.30	0.00	0.00	0.00	9.29	5.50
328.00	3.30	0.00	0.00	0.00	9.29	5.50
329.00	3.30	0.00	0.00	0.00	9.29	5.50
330.00	3.30	0.00	0.00	0.00	9.29	5.50
331.00	3.30	0.00	0.00	0.00	9.29	5.50
332.00	3.30	0.00	0.00	0.00	9.29	5.50
333.00	3.30	0.00	0.00	0.00	9.29	5.50
334.00	3.30	0.00	0.00	0.00	9.29	5.50
335.00	3.30	0.00	0.00	0.00	9.29	5.50
336.00	3.30	0.00	0.00	0.00	9.29	5.50
337.00	3.30	0.00	0.00	0.00	9.29	5.50
338.00	3.30	0.00	0.00	0.00	9.29	5.50
339.00	3.30	0.00	0.00	0.00	9.29	5.50
340.00	3.30	0.00	0.00	0.00	9.29	5.50
341.00	3.30	0.00	0.00	0.00	9.29	5.50
342.00	3.30	0.00	0.00	0.00	9.29	5.50
343.00	3.30	0.00	0.00	0.00	9.29	5.50
344.00	3.30	0.00	0.00	0.00	9.29	5.50
345.00	3.30	0.00	0.00	0.00	9.29	5.50
346.00	3.30	0.00	0.00	0.00	9.29	5.50
347.00	3.30	0.00	0.00	0.00	9.29	5.50
348.00	3.30	0.00	0.00	0.00	9.29	5.50
349.00	3.30	0.00	0.00	0.00	9.29	5.50
350.00	3.30	0.00	0.00	0.00	9.29	5.50
351.00	3.30	0.00	0.00	0.00	9.29	5.50
352.00	3.30	0.00	0.00	0.00	9.29	5.50
353.00	3.30	0.00	0.00	0.00	9.29	5.50
354.00	3.30	0.00	0.00	0.00	9.29	5.50
355.00	3.30	0.00	0.00	0.00	9.29	5.50

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)
356.00	3.30	0.00	0.00	0.00	9.29	5.50
357.00	3.30	0.00	0.00	0.00	9.29	5.50
358.00	3.30	0.00	0.00	0.00	9.29	5.50
359.00	3.30	0.00	0.00	0.00	9.29	5.50
360.00	3.30	0.00	0.00	0.00	9.29	5.50

STRUCTURE MAXIMUM AND MINIMUM DISCHARGES

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

BASIN MAXIMUM AND MINIMUM STAGES

Basin	Max (ft)	Time (hr)	Min (ft)	Time (hr)
Proposed Site	9.29	24.90	5.50	0.00

BASIN WATER BUDGETS (all units in acre-ft)

Basin	Total Runoff	Structure Inflow	Structure Outflow	Initial Storage	Final Storage	Residual
Proposed Site	0.15	0.00	0.00	0.03	0.18	0.00

Project Name: Chipotle - Margate

Reviewer: CL

Project Number: FLB200099

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

Time Step: 0.1 hr, Iterations: 10

Basin 1: Proposed Site

Method: Santa Barbara Unit Hydrograph

Rainfall Distribution: SFWMD - 3day

Design Frequency: 25 year

3 Day Rainfall: 14 inches

Area: 0.91 acres

Ground Storage: 1.43 inches

Time of Concentration: 0.1 hours

Initial Stage: 5.5 ft NGVD

Stage (ft NGVD)	Storage (acre-ft)
5.50	0.03
6.00	0.05
6.50	0.08
7.00	0.10
7.50	0.13
8.00	0.15
8.50	0.15
9.00	0.15
9.50	0.21
10.00	0.41
10.50	0.73
11.00	1.12
11.50	1.57

Offsite Receiving Body: Offsitel

Time (hr)	Stage (ft NGVD)
0.00	5.50
24.00	5.50
48.00	6.00
72.00	5.50
96.00	5.50
1000000000.00	5.50

Structure: 1

From Basin: Proposed Site

To Basin: Offsitel

Structure Type: Gravity

Weir: Sharp Crested, Crest Elev = 9.76 ft NGVD, Length = 3 ft

Bleeder: None

Pipe: None

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	5.50	5.50
1.00	0.06	0.00	0.00	0.00	5.50	5.50
2.00	0.13	0.00	0.00	0.00	5.50	5.50
3.00	0.19	0.00	0.00	0.00	5.50	5.50
4.00	0.25	0.00	0.00	0.00	5.50	5.50
5.00	0.31	0.00	0.00	0.00	5.50	5.50
6.00	0.38	0.01	0.00	0.00	5.51	5.50
7.00	0.44	0.01	0.00	0.00	5.53	5.50
8.00	0.50	0.01	0.00	0.00	5.55	5.50
9.00	0.56	0.02	0.00	0.00	5.58	5.50
10.00	0.63	0.02	0.00	0.00	5.62	5.50

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)
11.00	0.69	0.02	0.00	0.00	5.66	5.50
12.00	0.75	0.02	0.00	0.00	5.71	5.50
13.00	0.81	0.03	0.00	0.00	5.76	5.50
14.00	0.88	0.03	0.00	0.00	5.82	5.50
15.00	0.94	0.03	0.00	0.00	5.88	5.50
16.00	1.00	0.03	0.00	0.00	5.95	5.50
17.00	1.07	0.03	0.00	0.00	6.01	5.50
18.00	1.13	0.03	0.00	0.00	6.06	5.50
19.00	1.19	0.04	0.00	0.00	6.10	5.50
20.00	1.25	0.04	0.00	0.00	6.15	5.50
21.00	1.32	0.04	0.00	0.00	6.21	5.50
22.00	1.38	0.04	0.00	0.00	6.26	5.50
23.00	1.44	0.04	0.00	0.00	6.31	5.50
24.00	1.50	0.04	0.00	0.00	6.37	5.50
25.00	1.60	0.06	0.00	0.00	6.45	5.52
26.00	1.69	0.06	0.00	0.00	6.55	5.54
27.00	1.78	0.06	0.00	0.00	6.68	5.56
28.00	1.87	0.06	0.00	0.00	6.81	5.58
29.00	1.96	0.07	0.00	0.00	6.95	5.60
30.00	2.05	0.07	0.00	0.00	7.06	5.62
31.00	2.14	0.07	0.00	0.00	7.15	5.65
32.00	2.24	0.07	0.00	0.00	7.24	5.67
33.00	2.33	0.07	0.00	0.00	7.34	5.69
34.00	2.42	0.07	0.00	0.00	7.44	5.71
35.00	2.51	0.07	0.00	0.00	7.55	5.73
36.00	2.60	0.07	0.00	0.00	7.70	5.75
37.00	2.69	0.07	0.00	0.00	7.84	5.77
38.00	2.78	0.07	0.00	0.00	7.99	5.79
39.00	2.88	0.07	0.00	0.00	9.05	5.81
40.00	2.97	0.07	0.00	0.00	9.10	5.83
41.00	3.06	0.07	0.00	0.00	9.15	5.85
42.00	3.15	0.07	0.00	0.00	9.20	5.88
43.00	3.24	0.07	0.00	0.00	9.25	5.90
44.00	3.33	0.08	0.00	0.00	9.30	5.92
45.00	3.42	0.08	0.00	0.00	9.36	5.94
46.00	3.52	0.08	0.00	0.00	9.41	5.96
47.00	3.61	0.08	0.00	0.00	9.46	5.98
48.00	3.70	0.08	0.00	0.00	9.50	6.00
49.00	3.80	0.09	0.00	0.00	9.52	5.98
50.00	3.90	0.09	0.00	0.00	9.54	5.96
51.00	4.03	0.10	0.00	0.00	9.56	5.94
52.00	4.16	0.12	0.00	0.00	9.58	5.92
53.00	4.34	0.16	0.00	0.00	9.61	5.90
54.00	4.55	0.19	0.00	0.00	9.65	5.88
55.00	4.81	0.23	0.00	0.00	9.70	5.85
56.00	5.11	0.27	0.00	0.00	9.75	5.83
57.00	5.46	0.32	0.09	0.00	9.80	5.81
58.00	5.89	0.40	0.24	0.02	9.85	5.79
59.00	6.47	0.58	0.40	0.04	9.88	5.77
60.00	10.46	6.22	2.56	0.14	10.18	5.75
61.00	11.60	0.71	1.75	0.33	10.09	5.73
62.00	12.13	0.43	0.92	0.43	9.97	5.71
63.00	12.45	0.28	0.49	0.49	9.90	5.69
64.00	12.76	0.28	0.36	0.52	9.87	5.67
65.00	12.95	0.17	0.25	0.54	9.85	5.65
66.00	13.13	0.17	0.20	0.56	9.84	5.62
67.00	13.32	0.17	0.18	0.58	9.83	5.60
68.00	13.51	0.17	0.18	0.59	9.83	5.58
69.00	13.63	0.11	0.14	0.60	9.82	5.56
70.00	13.75	0.11	0.13	0.62	9.82	5.54
71.00	13.88	0.11	0.12	0.63	9.81	5.52
72.00	14.00	0.11	0.12	0.64	9.81	5.50
73.00	14.00	0.00	0.07	0.64	9.80	5.50
74.00	14.00	0.00	0.04	0.65	9.79	5.50
75.00	14.00	0.00	0.03	0.65	9.78	5.50
76.00	14.00	0.00	0.02	0.65	9.78	5.50
77.00	14.00	0.00	0.01	0.65	9.77	5.50
78.00	14.00	0.00	0.01	0.65	9.77	5.50
79.00	14.00	0.00	0.01	0.65	9.77	5.50

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)
80.00	14.00	0.00	0.01	0.65	9.77	5.50
81.00	14.00	0.00	0.00	0.66	9.77	5.50
82.00	14.00	0.00	0.00	0.66	9.77	5.50
83.00	14.00	0.00	0.00	0.66	9.76	5.50
84.00	14.00	0.00	0.00	0.66	9.76	5.50
85.00	14.00	0.00	0.00	0.66	9.76	5.50
86.00	14.00	0.00	0.00	0.66	9.76	5.50
87.00	14.00	0.00	0.00	0.66	9.76	5.50
88.00	14.00	0.00	0.00	0.66	9.76	5.50
89.00	14.00	0.00	0.00	0.66	9.76	5.50
90.00	14.00	0.00	0.00	0.66	9.76	5.50
91.00	14.00	0.00	0.00	0.66	9.76	5.50
92.00	14.00	0.00	0.00	0.66	9.76	5.50
93.00	14.00	0.00	0.00	0.66	9.76	5.50
94.00	14.00	0.00	0.00	0.66	9.76	5.50
95.00	14.00	0.00	0.00	0.66	9.76	5.50
96.00	14.00	0.00	0.00	0.66	9.76	5.50
97.00	14.00	0.00	0.00	0.66	9.76	5.50
98.00	14.00	0.00	0.00	0.66	9.76	5.50
99.00	14.00	0.00	0.00	0.66	9.76	5.50
100.00	14.00	0.00	0.00	0.66	9.76	5.50
101.00	14.00	0.00	0.00	0.66	9.76	5.50
102.00	14.00	0.00	0.00	0.66	9.76	5.50
103.00	14.00	0.00	0.00	0.66	9.76	5.50
104.00	14.00	0.00	0.00	0.66	9.76	5.50
105.00	14.00	0.00	0.00	0.66	9.76	5.50
106.00	14.00	0.00	0.00	0.66	9.76	5.50
107.00	14.00	0.00	0.00	0.66	9.76	5.50
108.00	14.00	0.00	0.00	0.66	9.76	5.50
109.00	14.00	0.00	0.00	0.66	9.76	5.50
110.00	14.00	0.00	0.00	0.66	9.76	5.50
111.00	14.00	0.00	0.00	0.66	9.76	5.50
112.00	14.00	0.00	0.00	0.66	9.76	5.50
113.00	14.00	0.00	0.00	0.66	9.76	5.50
114.00	14.00	0.00	0.00	0.66	9.76	5.50
115.00	14.00	0.00	0.00	0.66	9.76	5.50
116.00	14.00	0.00	0.00	0.66	9.76	5.50
117.00	14.00	0.00	0.00	0.66	9.76	5.50
118.00	14.00	0.00	0.00	0.66	9.76	5.50
119.00	14.00	0.00	0.00	0.66	9.76	5.50
120.00	14.00	0.00	0.00	0.66	9.76	5.50
121.00	14.00	0.00	0.00	0.66	9.76	5.50
122.00	14.00	0.00	0.00	0.66	9.76	5.50
123.00	14.00	0.00	0.00	0.66	9.76	5.50
124.00	14.00	0.00	0.00	0.66	9.76	5.50
125.00	14.00	0.00	0.00	0.66	9.76	5.50
126.00	14.00	0.00	0.00	0.66	9.76	5.50
127.00	14.00	0.00	0.00	0.66	9.76	5.50
128.00	14.00	0.00	0.00	0.66	9.76	5.50
129.00	14.00	0.00	0.00	0.66	9.76	5.50
130.00	14.00	0.00	0.00	0.66	9.76	5.50
131.00	14.00	0.00	0.00	0.66	9.76	5.50
132.00	14.00	0.00	0.00	0.66	9.76	5.50
133.00	14.00	0.00	0.00	0.66	9.76	5.50
134.00	14.00	0.00	0.00	0.66	9.76	5.50
135.00	14.00	0.00	0.00	0.66	9.76	5.50
136.00	14.00	0.00	0.00	0.66	9.76	5.50
137.00	14.00	0.00	0.00	0.66	9.76	5.50
138.00	14.00	0.00	0.00	0.66	9.76	5.50
139.00	14.00	0.00	0.00	0.66	9.76	5.50
140.00	14.00	0.00	0.00	0.66	9.76	5.50
141.00	14.00	0.00	0.00	0.66	9.76	5.50
142.00	14.00	0.00	0.00	0.66	9.76	5.50
143.00	14.00	0.00	0.00	0.66	9.76	5.50
144.00	14.00	0.00	0.00	0.66	9.76	5.50
145.00	14.00	0.00	0.00	0.66	9.76	5.50
146.00	14.00	0.00	0.00	0.66	9.76	5.50
147.00	14.00	0.00	0.00	0.66	9.76	5.50
148.00	14.00	0.00	0.00	0.66	9.76	5.50

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)
149.00	14.00	0.00	0.00	0.66	9.76	5.50
150.00	14.00	0.00	0.00	0.66	9.76	5.50
151.00	14.00	0.00	0.00	0.66	9.76	5.50
152.00	14.00	0.00	0.00	0.66	9.76	5.50
153.00	14.00	0.00	0.00	0.66	9.76	5.50
154.00	14.00	0.00	0.00	0.66	9.76	5.50
155.00	14.00	0.00	0.00	0.66	9.76	5.50
156.00	14.00	0.00	0.00	0.66	9.76	5.50
157.00	14.00	0.00	0.00	0.66	9.76	5.50
158.00	14.00	0.00	0.00	0.66	9.76	5.50
159.00	14.00	0.00	0.00	0.66	9.76	5.50
160.00	14.00	0.00	0.00	0.66	9.76	5.50
161.00	14.00	0.00	0.00	0.66	9.76	5.50
162.00	14.00	0.00	0.00	0.66	9.76	5.50
163.00	14.00	0.00	0.00	0.66	9.76	5.50
164.00	14.00	0.00	0.00	0.66	9.76	5.50
165.00	14.00	0.00	0.00	0.66	9.76	5.50
166.00	14.00	0.00	0.00	0.66	9.76	5.50
167.00	14.00	0.00	0.00	0.66	9.76	5.50
168.00	14.00	0.00	0.00	0.66	9.76	5.50
169.00	14.00	0.00	0.00	0.66	9.76	5.50
170.00	14.00	0.00	0.00	0.66	9.76	5.50
171.00	14.00	0.00	0.00	0.66	9.76	5.50
172.00	14.00	0.00	0.00	0.66	9.76	5.50
173.00	14.00	0.00	0.00	0.66	9.76	5.50
174.00	14.00	0.00	0.00	0.66	9.76	5.50
175.00	14.00	0.00	0.00	0.66	9.76	5.50
176.00	14.00	0.00	0.00	0.66	9.76	5.50
177.00	14.00	0.00	0.00	0.66	9.76	5.50
178.00	14.00	0.00	0.00	0.66	9.76	5.50
179.00	14.00	0.00	0.00	0.66	9.76	5.50
180.00	14.00	0.00	0.00	0.66	9.76	5.50
181.00	14.00	0.00	0.00	0.66	9.76	5.50
182.00	14.00	0.00	0.00	0.66	9.76	5.50
183.00	14.00	0.00	0.00	0.66	9.76	5.50
184.00	14.00	0.00	0.00	0.66	9.76	5.50
185.00	14.00	0.00	0.00	0.66	9.76	5.50
186.00	14.00	0.00	0.00	0.66	9.76	5.50
187.00	14.00	0.00	0.00	0.66	9.76	5.50
188.00	14.00	0.00	0.00	0.66	9.76	5.50
189.00	14.00	0.00	0.00	0.66	9.76	5.50
190.00	14.00	0.00	0.00	0.66	9.76	5.50
191.00	14.00	0.00	0.00	0.66	9.76	5.50
192.00	14.00	0.00	0.00	0.66	9.76	5.50
193.00	14.00	0.00	0.00	0.66	9.76	5.50
194.00	14.00	0.00	0.00	0.66	9.76	5.50
195.00	14.00	0.00	0.00	0.66	9.76	5.50
196.00	14.00	0.00	0.00	0.66	9.76	5.50
197.00	14.00	0.00	0.00	0.66	9.76	5.50
198.00	14.00	0.00	0.00	0.66	9.76	5.50
199.00	14.00	0.00	0.00	0.66	9.76	5.50
200.00	14.00	0.00	0.00	0.66	9.76	5.50
201.00	14.00	0.00	0.00	0.66	9.76	5.50
202.00	14.00	0.00	0.00	0.66	9.76	5.50
203.00	14.00	0.00	0.00	0.66	9.76	5.50
204.00	14.00	0.00	0.00	0.66	9.76	5.50
205.00	14.00	0.00	0.00	0.66	9.76	5.50
206.00	14.00	0.00	0.00	0.66	9.76	5.50
207.00	14.00	0.00	0.00	0.66	9.76	5.50
208.00	14.00	0.00	0.00	0.66	9.76	5.50
209.00	14.00	0.00	0.00	0.66	9.76	5.50
210.00	14.00	0.00	0.00	0.66	9.76	5.50
211.00	14.00	0.00	0.00	0.66	9.76	5.50
212.00	14.00	0.00	0.00	0.66	9.76	5.50
213.00	14.00	0.00	0.00	0.66	9.76	5.50
214.00	14.00	0.00	0.00	0.66	9.76	5.50
215.00	14.00	0.00	0.00	0.66	9.76	5.50
216.00	14.00	0.00	0.00	0.66	9.76	5.50
217.00	14.00	0.00	0.00	0.66	9.76	5.50

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)
218.00	14.00	0.00	0.00	0.66	9.76	5.50
219.00	14.00	0.00	0.00	0.66	9.76	5.50
220.00	14.00	0.00	0.00	0.66	9.76	5.50
221.00	14.00	0.00	0.00	0.66	9.76	5.50
222.00	14.00	0.00	0.00	0.66	9.76	5.50
223.00	14.00	0.00	0.00	0.66	9.76	5.50
224.00	14.00	0.00	0.00	0.66	9.76	5.50
225.00	14.00	0.00	0.00	0.66	9.76	5.50
226.00	14.00	0.00	0.00	0.66	9.76	5.50
227.00	14.00	0.00	0.00	0.66	9.76	5.50
228.00	14.00	0.00	0.00	0.66	9.76	5.50
229.00	14.00	0.00	0.00	0.66	9.76	5.50
230.00	14.00	0.00	0.00	0.66	9.76	5.50
231.00	14.00	0.00	0.00	0.66	9.76	5.50
232.00	14.00	0.00	0.00	0.66	9.76	5.50
233.00	14.00	0.00	0.00	0.66	9.76	5.50
234.00	14.00	0.00	0.00	0.66	9.76	5.50
235.00	14.00	0.00	0.00	0.66	9.76	5.50
236.00	14.00	0.00	0.00	0.66	9.76	5.50
237.00	14.00	0.00	0.00	0.66	9.76	5.50
238.00	14.00	0.00	0.00	0.66	9.76	5.50
239.00	14.00	0.00	0.00	0.66	9.76	5.50
240.00	14.00	0.00	0.00	0.66	9.76	5.50
241.00	14.00	0.00	0.00	0.66	9.76	5.50
242.00	14.00	0.00	0.00	0.66	9.76	5.50
243.00	14.00	0.00	0.00	0.66	9.76	5.50
244.00	14.00	0.00	0.00	0.66	9.76	5.50
245.00	14.00	0.00	0.00	0.66	9.76	5.50
246.00	14.00	0.00	0.00	0.66	9.76	5.50
247.00	14.00	0.00	0.00	0.66	9.76	5.50
248.00	14.00	0.00	0.00	0.66	9.76	5.50
249.00	14.00	0.00	0.00	0.66	9.76	5.50
250.00	14.00	0.00	0.00	0.66	9.76	5.50
251.00	14.00	0.00	0.00	0.66	9.76	5.50
252.00	14.00	0.00	0.00	0.66	9.76	5.50
253.00	14.00	0.00	0.00	0.66	9.76	5.50
254.00	14.00	0.00	0.00	0.66	9.76	5.50
255.00	14.00	0.00	0.00	0.66	9.76	5.50
256.00	14.00	0.00	0.00	0.66	9.76	5.50
257.00	14.00	0.00	0.00	0.66	9.76	5.50
258.00	14.00	0.00	0.00	0.66	9.76	5.50
259.00	14.00	0.00	0.00	0.66	9.76	5.50
260.00	14.00	0.00	0.00	0.66	9.76	5.50
261.00	14.00	0.00	0.00	0.66	9.76	5.50
262.00	14.00	0.00	0.00	0.66	9.76	5.50
263.00	14.00	0.00	0.00	0.66	9.76	5.50
264.00	14.00	0.00	0.00	0.66	9.76	5.50
265.00	14.00	0.00	0.00	0.66	9.76	5.50
266.00	14.00	0.00	0.00	0.66	9.76	5.50
267.00	14.00	0.00	0.00	0.66	9.76	5.50
268.00	14.00	0.00	0.00	0.66	9.76	5.50
269.00	14.00	0.00	0.00	0.66	9.76	5.50
270.00	14.00	0.00	0.00	0.66	9.76	5.50
271.00	14.00	0.00	0.00	0.66	9.76	5.50
272.00	14.00	0.00	0.00	0.66	9.76	5.50
273.00	14.00	0.00	0.00	0.66	9.76	5.50
274.00	14.00	0.00	0.00	0.66	9.76	5.50
275.00	14.00	0.00	0.00	0.66	9.76	5.50
276.00	14.00	0.00	0.00	0.66	9.76	5.50
277.00	14.00	0.00	0.00	0.66	9.76	5.50
278.00	14.00	0.00	0.00	0.66	9.76	5.50
279.00	14.00	0.00	0.00	0.66	9.76	5.50
280.00	14.00	0.00	0.00	0.66	9.76	5.50
281.00	14.00	0.00	0.00	0.66	9.76	5.50
282.00	14.00	0.00	0.00	0.66	9.76	5.50
283.00	14.00	0.00	0.00	0.66	9.76	5.50
284.00	14.00	0.00	0.00	0.66	9.76	5.50
285.00	14.00	0.00	0.00	0.66	9.76	5.50
286.00	14.00	0.00	0.00	0.66	9.76	5.50

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)
287.00	14.00	0.00	0.00	0.66	9.76	5.50
288.00	14.00	0.00	0.00	0.66	9.76	5.50
289.00	14.00	0.00	0.00	0.66	9.76	5.50
290.00	14.00	0.00	0.00	0.66	9.76	5.50
291.00	14.00	0.00	0.00	0.66	9.76	5.50
292.00	14.00	0.00	0.00	0.66	9.76	5.50
293.00	14.00	0.00	0.00	0.66	9.76	5.50
294.00	14.00	0.00	0.00	0.66	9.76	5.50
295.00	14.00	0.00	0.00	0.66	9.76	5.50
296.00	14.00	0.00	0.00	0.66	9.76	5.50
297.00	14.00	0.00	0.00	0.66	9.76	5.50
298.00	14.00	0.00	0.00	0.66	9.76	5.50
299.00	14.00	0.00	0.00	0.66	9.76	5.50
300.00	14.00	0.00	0.00	0.66	9.76	5.50
301.00	14.00	0.00	0.00	0.66	9.76	5.50
302.00	14.00	0.00	0.00	0.66	9.76	5.50
303.00	14.00	0.00	0.00	0.66	9.76	5.50
304.00	14.00	0.00	0.00	0.66	9.76	5.50
305.00	14.00	0.00	0.00	0.66	9.76	5.50
306.00	14.00	0.00	0.00	0.66	9.76	5.50
307.00	14.00	0.00	0.00	0.66	9.76	5.50
308.00	14.00	0.00	0.00	0.66	9.76	5.50
309.00	14.00	0.00	0.00	0.66	9.76	5.50
310.00	14.00	0.00	0.00	0.66	9.76	5.50
311.00	14.00	0.00	0.00	0.66	9.76	5.50
312.00	14.00	0.00	0.00	0.66	9.76	5.50
313.00	14.00	0.00	0.00	0.66	9.76	5.50
314.00	14.00	0.00	0.00	0.66	9.76	5.50
315.00	14.00	0.00	0.00	0.66	9.76	5.50
316.00	14.00	0.00	0.00	0.66	9.76	5.50
317.00	14.00	0.00	0.00	0.66	9.76	5.50
318.00	14.00	0.00	0.00	0.66	9.76	5.50
319.00	14.00	0.00	0.00	0.66	9.76	5.50
320.00	14.00	0.00	0.00	0.66	9.76	5.50
321.00	14.00	0.00	0.00	0.66	9.76	5.50
322.00	14.00	0.00	0.00	0.66	9.76	5.50
323.00	14.00	0.00	0.00	0.66	9.76	5.50
324.00	14.00	0.00	0.00	0.66	9.76	5.50
325.00	14.00	0.00	0.00	0.66	9.76	5.50
326.00	14.00	0.00	0.00	0.66	9.76	5.50
327.00	14.00	0.00	0.00	0.66	9.76	5.50
328.00	14.00	0.00	0.00	0.66	9.76	5.50
329.00	14.00	0.00	0.00	0.66	9.76	5.50
330.00	14.00	0.00	0.00	0.66	9.76	5.50
331.00	14.00	0.00	0.00	0.66	9.76	5.50
332.00	14.00	0.00	0.00	0.66	9.76	5.50
333.00	14.00	0.00	0.00	0.66	9.76	5.50
334.00	14.00	0.00	0.00	0.66	9.76	5.50
335.00	14.00	0.00	0.00	0.66	9.76	5.50
336.00	14.00	0.00	0.00	0.66	9.76	5.50
337.00	14.00	0.00	0.00	0.66	9.76	5.50
338.00	14.00	0.00	0.00	0.66	9.76	5.50
339.00	14.00	0.00	0.00	0.66	9.76	5.50
340.00	14.00	0.00	0.00	0.66	9.76	5.50
341.00	14.00	0.00	0.00	0.66	9.76	5.50
342.00	14.00	0.00	0.00	0.66	9.76	5.50
343.00	14.00	0.00	0.00	0.66	9.76	5.50
344.00	14.00	0.00	0.00	0.66	9.76	5.50
345.00	14.00	0.00	0.00	0.66	9.76	5.50
346.00	14.00	0.00	0.00	0.66	9.76	5.50
347.00	14.00	0.00	0.00	0.66	9.76	5.50
348.00	14.00	0.00	0.00	0.66	9.76	5.50
349.00	14.00	0.00	0.00	0.66	9.76	5.50
350.00	14.00	0.00	0.00	0.66	9.76	5.50
351.00	14.00	0.00	0.00	0.66	9.76	5.50
352.00	14.00	0.00	0.00	0.66	9.76	5.50
353.00	14.00	0.00	0.00	0.66	9.76	5.50
354.00	14.00	0.00	0.00	0.66	9.76	5.50
355.00	14.00	0.00	0.00	0.66	9.76	5.50

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)
356.00	14.00	0.00	0.00	0.66	9.76	5.50
357.00	14.00	0.00	0.00	0.66	9.76	5.50
358.00	14.00	0.00	0.00	0.66	9.76	5.50
359.00	14.00	0.00	0.00	0.66	9.76	5.50
360.00	14.00	0.00	0.00	0.66	9.76	5.50

STRUCTURE MAXIMUM AND MINIMUM DISCHARGES

Struc	Max (cfs)	Time (hr)	Min (cfs)	Time (hr)
1	2.80	60.10	0.00	0.00

BASIN MAXIMUM AND MINIMUM STAGES

Basin	Max (ft)	Time (hr)	Min (ft)	Time (hr)
Proposed Site	10.21	60.10	5.50	0.00

BASIN WATER BUDGETS (all units in acre-ft)

Basin	Total Runoff	Structure Inflow	Structure Outflow	Initial Storage	Final Storage	Residual
Proposed Site	0.94	0.00	0.66	0.03	0.31	0.00

Project Name: Chipotle - Margate

Reviewer: CL

Project Number: FLB200099

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

Time Step: 0.1 hr, Iterations: 10

Basin 1: Proposed Site

Method: Santa Barbara Unit Hydrograph

Rainfall Distribution: SFWMD - 3day

Design Frequency: 100 year

3 Day Rainfall: 18 inches

Area: 0.91 acres

Ground Storage: 1.43 inches

Time of Concentration: 0.1 hours

Initial Stage: 5.5 ft NGVD

Stage (ft NGVD)	Storage (acre-ft)
5.50	0.03
6.00	0.05
6.50	0.08
7.00	0.10
7.50	0.13
8.00	0.15
8.50	0.15
9.00	0.15
9.50	0.21
10.00	0.41
10.50	0.73
11.00	1.12
11.50	1.57

Offsite Receiving Body: Offsitel

Time (hr)	Stage (ft NGVD)
0.00	5.50
24.00	5.50
48.00	6.00
72.00	5.50
96.00	5.50
1000000000.00	5.50

Structure: 1

From Basin: Proposed Site

To Basin: Offsitel

Structure Type: Gravity

Weir: Sharp Crested, Crest Elev = 9.76 ft NGVD, Length = 3 ft

Bleeder: None

Pipe: None

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	5.50	5.50
1.00	0.08	0.00	0.00	0.00	5.50	5.50
2.00	0.16	0.00	0.00	0.00	5.50	5.50
3.00	0.24	0.00	0.00	0.00	5.50	5.50
4.00	0.32	0.00	0.00	0.00	5.50	5.50
5.00	0.40	0.01	0.00	0.00	5.51	5.50
6.00	0.48	0.02	0.00	0.00	5.54	5.50
7.00	0.56	0.02	0.00	0.00	5.58	5.50
8.00	0.64	0.03	0.00	0.00	5.63	5.50
9.00	0.73	0.03	0.00	0.00	5.69	5.50
10.00	0.81	0.03	0.00	0.00	5.76	5.50

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)
11.00	0.89	0.04	0.00	0.00	5.83	5.50
12.00	0.97	0.04	0.00	0.00	5.91	5.50
13.00	1.05	0.04	0.00	0.00	5.99	5.50
14.00	1.13	0.04	0.00	0.00	6.05	5.50
15.00	1.21	0.05	0.00	0.00	6.12	5.50
16.00	1.29	0.05	0.00	0.00	6.18	5.50
17.00	1.37	0.05	0.00	0.00	6.25	5.50
18.00	1.45	0.05	0.00	0.00	6.32	5.50
19.00	1.53	0.05	0.00	0.00	6.39	5.50
20.00	1.61	0.05	0.00	0.00	6.46	5.50
21.00	1.69	0.06	0.00	0.00	6.56	5.50
22.00	1.77	0.06	0.00	0.00	6.67	5.50
23.00	1.85	0.06	0.00	0.00	6.79	5.50
24.00	1.93	0.06	0.00	0.00	6.91	5.50
25.00	2.05	0.09	0.00	0.00	7.05	5.52
26.00	2.17	0.09	0.00	0.00	7.17	5.54
27.00	2.29	0.09	0.00	0.00	7.29	5.56
28.00	2.40	0.09	0.00	0.00	7.42	5.58
29.00	2.52	0.09	0.00	0.00	7.56	5.60
30.00	2.64	0.09	0.00	0.00	7.75	5.62
31.00	2.76	0.09	0.00	0.00	7.94	5.65
32.00	2.87	0.09	0.00	0.00	9.05	5.67
33.00	2.99	0.09	0.00	0.00	9.11	5.69
34.00	3.11	0.10	0.00	0.00	9.18	5.71
35.00	3.23	0.10	0.00	0.00	9.24	5.73
36.00	3.34	0.10	0.00	0.00	9.31	5.75
37.00	3.46	0.10	0.00	0.00	9.38	5.77
38.00	3.58	0.10	0.00	0.00	9.44	5.79
39.00	3.70	0.10	0.00	0.00	9.50	5.81
40.00	3.81	0.10	0.00	0.00	9.52	5.83
41.00	3.93	0.10	0.00	0.00	9.54	5.85
42.00	4.05	0.10	0.00	0.00	9.56	5.88
43.00	4.17	0.10	0.00	0.00	9.59	5.90
44.00	4.28	0.10	0.00	0.00	9.61	5.92
45.00	4.40	0.10	0.00	0.00	9.63	5.94
46.00	4.52	0.10	0.00	0.00	9.65	5.96
47.00	4.64	0.10	0.00	0.00	9.67	5.98
48.00	4.75	0.10	0.00	0.00	9.69	6.00
49.00	4.89	0.11	0.00	0.00	9.71	5.98
50.00	5.02	0.11	0.00	0.00	9.74	5.96
51.00	5.18	0.14	0.00	0.00	9.76	5.94
52.00	5.35	0.16	0.05	0.00	9.79	5.92
53.00	5.58	0.21	0.11	0.01	9.81	5.90
54.00	5.85	0.26	0.18	0.02	9.83	5.88
55.00	6.19	0.30	0.24	0.04	9.85	5.85
56.00	6.57	0.35	0.30	0.06	9.86	5.83
57.00	7.02	0.42	0.36	0.09	9.87	5.81
58.00	7.58	0.52	0.45	0.12	9.89	5.79
59.00	8.32	0.76	0.59	0.17	9.92	5.77
60.00	13.44	8.05	3.44	0.29	10.27	5.75
61.00	14.91	0.92	2.23	0.54	10.14	5.73
62.00	15.59	0.56	1.21	0.67	10.02	5.71
63.00	16.01	0.36	0.63	0.74	9.93	5.69
64.00	16.41	0.36	0.45	0.78	9.89	5.67
65.00	16.65	0.22	0.31	0.81	9.86	5.65
66.00	16.89	0.22	0.26	0.84	9.85	5.62
67.00	17.13	0.22	0.23	0.86	9.85	5.60
68.00	17.36	0.22	0.22	0.88	9.84	5.58
69.00	17.52	0.14	0.18	0.89	9.83	5.56
70.00	17.68	0.14	0.16	0.91	9.83	5.54
71.00	17.84	0.14	0.15	0.92	9.82	5.52
72.00	18.00	0.14	0.15	0.93	9.82	5.50
73.00	18.00	0.00	0.08	0.94	9.80	5.50
74.00	18.00	0.00	0.05	0.95	9.79	5.50
75.00	18.00	0.00	0.03	0.95	9.78	5.50
76.00	18.00	0.00	0.02	0.95	9.78	5.50
77.00	18.00	0.00	0.01	0.95	9.77	5.50
78.00	18.00	0.00	0.01	0.95	9.77	5.50
79.00	18.00	0.00	0.01	0.96	9.77	5.50

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)
80.00	18.00	0.00	0.01	0.96	9.77	5.50
81.00	18.00	0.00	0.00	0.96	9.77	5.50
82.00	18.00	0.00	0.00	0.96	9.77	5.50
83.00	18.00	0.00	0.00	0.96	9.76	5.50
84.00	18.00	0.00	0.00	0.96	9.76	5.50
85.00	18.00	0.00	0.00	0.96	9.76	5.50
86.00	18.00	0.00	0.00	0.96	9.76	5.50
87.00	18.00	0.00	0.00	0.96	9.76	5.50
88.00	18.00	0.00	0.00	0.96	9.76	5.50
89.00	18.00	0.00	0.00	0.96	9.76	5.50
90.00	18.00	0.00	0.00	0.96	9.76	5.50
91.00	18.00	0.00	0.00	0.96	9.76	5.50
92.00	18.00	0.00	0.00	0.96	9.76	5.50
93.00	18.00	0.00	0.00	0.96	9.76	5.50
94.00	18.00	0.00	0.00	0.96	9.76	5.50
95.00	18.00	0.00	0.00	0.96	9.76	5.50
96.00	18.00	0.00	0.00	0.96	9.76	5.50
97.00	18.00	0.00	0.00	0.96	9.76	5.50
98.00	18.00	0.00	0.00	0.96	9.76	5.50
99.00	18.00	0.00	0.00	0.96	9.76	5.50
100.00	18.00	0.00	0.00	0.96	9.76	5.50
101.00	18.00	0.00	0.00	0.96	9.76	5.50
102.00	18.00	0.00	0.00	0.96	9.76	5.50
103.00	18.00	0.00	0.00	0.96	9.76	5.50
104.00	18.00	0.00	0.00	0.96	9.76	5.50
105.00	18.00	0.00	0.00	0.96	9.76	5.50
106.00	18.00	0.00	0.00	0.96	9.76	5.50
107.00	18.00	0.00	0.00	0.96	9.76	5.50
108.00	18.00	0.00	0.00	0.96	9.76	5.50
109.00	18.00	0.00	0.00	0.96	9.76	5.50
110.00	18.00	0.00	0.00	0.96	9.76	5.50
111.00	18.00	0.00	0.00	0.96	9.76	5.50
112.00	18.00	0.00	0.00	0.96	9.76	5.50
113.00	18.00	0.00	0.00	0.96	9.76	5.50
114.00	18.00	0.00	0.00	0.96	9.76	5.50
115.00	18.00	0.00	0.00	0.96	9.76	5.50
116.00	18.00	0.00	0.00	0.96	9.76	5.50
117.00	18.00	0.00	0.00	0.96	9.76	5.50
118.00	18.00	0.00	0.00	0.96	9.76	5.50
119.00	18.00	0.00	0.00	0.96	9.76	5.50
120.00	18.00	0.00	0.00	0.96	9.76	5.50
121.00	18.00	0.00	0.00	0.96	9.76	5.50
122.00	18.00	0.00	0.00	0.96	9.76	5.50
123.00	18.00	0.00	0.00	0.96	9.76	5.50
124.00	18.00	0.00	0.00	0.96	9.76	5.50
125.00	18.00	0.00	0.00	0.96	9.76	5.50
126.00	18.00	0.00	0.00	0.96	9.76	5.50
127.00	18.00	0.00	0.00	0.96	9.76	5.50
128.00	18.00	0.00	0.00	0.96	9.76	5.50
129.00	18.00	0.00	0.00	0.96	9.76	5.50
130.00	18.00	0.00	0.00	0.96	9.76	5.50
131.00	18.00	0.00	0.00	0.96	9.76	5.50
132.00	18.00	0.00	0.00	0.96	9.76	5.50
133.00	18.00	0.00	0.00	0.96	9.76	5.50
134.00	18.00	0.00	0.00	0.96	9.76	5.50
135.00	18.00	0.00	0.00	0.96	9.76	5.50
136.00	18.00	0.00	0.00	0.96	9.76	5.50
137.00	18.00	0.00	0.00	0.96	9.76	5.50
138.00	18.00	0.00	0.00	0.96	9.76	5.50
139.00	18.00	0.00	0.00	0.96	9.76	5.50
140.00	18.00	0.00	0.00	0.96	9.76	5.50
141.00	18.00	0.00	0.00	0.96	9.76	5.50
142.00	18.00	0.00	0.00	0.96	9.76	5.50
143.00	18.00	0.00	0.00	0.96	9.76	5.50
144.00	18.00	0.00	0.00	0.96	9.76	5.50
145.00	18.00	0.00	0.00	0.96	9.76	5.50
146.00	18.00	0.00	0.00	0.96	9.76	5.50
147.00	18.00	0.00	0.00	0.96	9.76	5.50
148.00	18.00	0.00	0.00	0.96	9.76	5.50

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)
149.00	18.00	0.00	0.00	0.96	9.76	5.50
150.00	18.00	0.00	0.00	0.96	9.76	5.50
151.00	18.00	0.00	0.00	0.96	9.76	5.50
152.00	18.00	0.00	0.00	0.96	9.76	5.50
153.00	18.00	0.00	0.00	0.96	9.76	5.50
154.00	18.00	0.00	0.00	0.96	9.76	5.50
155.00	18.00	0.00	0.00	0.96	9.76	5.50
156.00	18.00	0.00	0.00	0.96	9.76	5.50
157.00	18.00	0.00	0.00	0.96	9.76	5.50
158.00	18.00	0.00	0.00	0.96	9.76	5.50
159.00	18.00	0.00	0.00	0.96	9.76	5.50
160.00	18.00	0.00	0.00	0.96	9.76	5.50
161.00	18.00	0.00	0.00	0.96	9.76	5.50
162.00	18.00	0.00	0.00	0.96	9.76	5.50
163.00	18.00	0.00	0.00	0.96	9.76	5.50
164.00	18.00	0.00	0.00	0.96	9.76	5.50
165.00	18.00	0.00	0.00	0.96	9.76	5.50
166.00	18.00	0.00	0.00	0.96	9.76	5.50
167.00	18.00	0.00	0.00	0.96	9.76	5.50
168.00	18.00	0.00	0.00	0.96	9.76	5.50
169.00	18.00	0.00	0.00	0.96	9.76	5.50
170.00	18.00	0.00	0.00	0.96	9.76	5.50
171.00	18.00	0.00	0.00	0.96	9.76	5.50
172.00	18.00	0.00	0.00	0.96	9.76	5.50
173.00	18.00	0.00	0.00	0.96	9.76	5.50
174.00	18.00	0.00	0.00	0.96	9.76	5.50
175.00	18.00	0.00	0.00	0.96	9.76	5.50
176.00	18.00	0.00	0.00	0.96	9.76	5.50
177.00	18.00	0.00	0.00	0.96	9.76	5.50
178.00	18.00	0.00	0.00	0.96	9.76	5.50
179.00	18.00	0.00	0.00	0.96	9.76	5.50
180.00	18.00	0.00	0.00	0.96	9.76	5.50
181.00	18.00	0.00	0.00	0.96	9.76	5.50
182.00	18.00	0.00	0.00	0.96	9.76	5.50
183.00	18.00	0.00	0.00	0.96	9.76	5.50
184.00	18.00	0.00	0.00	0.96	9.76	5.50
185.00	18.00	0.00	0.00	0.96	9.76	5.50
186.00	18.00	0.00	0.00	0.96	9.76	5.50
187.00	18.00	0.00	0.00	0.96	9.76	5.50
188.00	18.00	0.00	0.00	0.96	9.76	5.50
189.00	18.00	0.00	0.00	0.96	9.76	5.50
190.00	18.00	0.00	0.00	0.96	9.76	5.50
191.00	18.00	0.00	0.00	0.96	9.76	5.50
192.00	18.00	0.00	0.00	0.96	9.76	5.50
193.00	18.00	0.00	0.00	0.96	9.76	5.50
194.00	18.00	0.00	0.00	0.96	9.76	5.50
195.00	18.00	0.00	0.00	0.96	9.76	5.50
196.00	18.00	0.00	0.00	0.96	9.76	5.50
197.00	18.00	0.00	0.00	0.96	9.76	5.50
198.00	18.00	0.00	0.00	0.96	9.76	5.50
199.00	18.00	0.00	0.00	0.96	9.76	5.50
200.00	18.00	0.00	0.00	0.96	9.76	5.50
201.00	18.00	0.00	0.00	0.96	9.76	5.50
202.00	18.00	0.00	0.00	0.96	9.76	5.50
203.00	18.00	0.00	0.00	0.96	9.76	5.50
204.00	18.00	0.00	0.00	0.96	9.76	5.50
205.00	18.00	0.00	0.00	0.96	9.76	5.50
206.00	18.00	0.00	0.00	0.96	9.76	5.50
207.00	18.00	0.00	0.00	0.96	9.76	5.50
208.00	18.00	0.00	0.00	0.96	9.76	5.50
209.00	18.00	0.00	0.00	0.96	9.76	5.50
210.00	18.00	0.00	0.00	0.96	9.76	5.50
211.00	18.00	0.00	0.00	0.96	9.76	5.50
212.00	18.00	0.00	0.00	0.96	9.76	5.50
213.00	18.00	0.00	0.00	0.96	9.76	5.50
214.00	18.00	0.00	0.00	0.96	9.76	5.50
215.00	18.00	0.00	0.00	0.96	9.76	5.50
216.00	18.00	0.00	0.00	0.96	9.76	5.50
217.00	18.00	0.00	0.00	0.96	9.76	5.50

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)
218.00	18.00	0.00	0.00	0.96	9.76	5.50
219.00	18.00	0.00	0.00	0.96	9.76	5.50
220.00	18.00	0.00	0.00	0.96	9.76	5.50
221.00	18.00	0.00	0.00	0.96	9.76	5.50
222.00	18.00	0.00	0.00	0.96	9.76	5.50
223.00	18.00	0.00	0.00	0.96	9.76	5.50
224.00	18.00	0.00	0.00	0.96	9.76	5.50
225.00	18.00	0.00	0.00	0.96	9.76	5.50
226.00	18.00	0.00	0.00	0.96	9.76	5.50
227.00	18.00	0.00	0.00	0.96	9.76	5.50
228.00	18.00	0.00	0.00	0.96	9.76	5.50
229.00	18.00	0.00	0.00	0.96	9.76	5.50
230.00	18.00	0.00	0.00	0.96	9.76	5.50
231.00	18.00	0.00	0.00	0.96	9.76	5.50
232.00	18.00	0.00	0.00	0.96	9.76	5.50
233.00	18.00	0.00	0.00	0.96	9.76	5.50
234.00	18.00	0.00	0.00	0.96	9.76	5.50
235.00	18.00	0.00	0.00	0.96	9.76	5.50
236.00	18.00	0.00	0.00	0.96	9.76	5.50
237.00	18.00	0.00	0.00	0.96	9.76	5.50
238.00	18.00	0.00	0.00	0.96	9.76	5.50
239.00	18.00	0.00	0.00	0.96	9.76	5.50
240.00	18.00	0.00	0.00	0.96	9.76	5.50
241.00	18.00	0.00	0.00	0.96	9.76	5.50
242.00	18.00	0.00	0.00	0.96	9.76	5.50
243.00	18.00	0.00	0.00	0.96	9.76	5.50
244.00	18.00	0.00	0.00	0.96	9.76	5.50
245.00	18.00	0.00	0.00	0.96	9.76	5.50
246.00	18.00	0.00	0.00	0.96	9.76	5.50
247.00	18.00	0.00	0.00	0.96	9.76	5.50
248.00	18.00	0.00	0.00	0.96	9.76	5.50
249.00	18.00	0.00	0.00	0.96	9.76	5.50
250.00	18.00	0.00	0.00	0.96	9.76	5.50
251.00	18.00	0.00	0.00	0.96	9.76	5.50
252.00	18.00	0.00	0.00	0.96	9.76	5.50
253.00	18.00	0.00	0.00	0.96	9.76	5.50
254.00	18.00	0.00	0.00	0.96	9.76	5.50
255.00	18.00	0.00	0.00	0.96	9.76	5.50
256.00	18.00	0.00	0.00	0.96	9.76	5.50
257.00	18.00	0.00	0.00	0.96	9.76	5.50
258.00	18.00	0.00	0.00	0.96	9.76	5.50
259.00	18.00	0.00	0.00	0.96	9.76	5.50
260.00	18.00	0.00	0.00	0.96	9.76	5.50
261.00	18.00	0.00	0.00	0.96	9.76	5.50
262.00	18.00	0.00	0.00	0.96	9.76	5.50
263.00	18.00	0.00	0.00	0.96	9.76	5.50
264.00	18.00	0.00	0.00	0.96	9.76	5.50
265.00	18.00	0.00	0.00	0.96	9.76	5.50
266.00	18.00	0.00	0.00	0.96	9.76	5.50
267.00	18.00	0.00	0.00	0.96	9.76	5.50
268.00	18.00	0.00	0.00	0.96	9.76	5.50
269.00	18.00	0.00	0.00	0.96	9.76	5.50
270.00	18.00	0.00	0.00	0.96	9.76	5.50
271.00	18.00	0.00	0.00	0.96	9.76	5.50
272.00	18.00	0.00	0.00	0.96	9.76	5.50
273.00	18.00	0.00	0.00	0.96	9.76	5.50
274.00	18.00	0.00	0.00	0.96	9.76	5.50
275.00	18.00	0.00	0.00	0.96	9.76	5.50
276.00	18.00	0.00	0.00	0.96	9.76	5.50
277.00	18.00	0.00	0.00	0.96	9.76	5.50
278.00	18.00	0.00	0.00	0.96	9.76	5.50
279.00	18.00	0.00	0.00	0.96	9.76	5.50
280.00	18.00	0.00	0.00	0.96	9.76	5.50
281.00	18.00	0.00	0.00	0.96	9.76	5.50
282.00	18.00	0.00	0.00	0.96	9.76	5.50
283.00	18.00	0.00	0.00	0.96	9.76	5.50
284.00	18.00	0.00	0.00	0.96	9.76	5.50
285.00	18.00	0.00	0.00	0.96	9.76	5.50
286.00	18.00	0.00	0.00	0.96	9.76	5.50

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)
287.00	18.00	0.00	0.00	0.96	9.76	5.50
288.00	18.00	0.00	0.00	0.96	9.76	5.50
289.00	18.00	0.00	0.00	0.96	9.76	5.50
290.00	18.00	0.00	0.00	0.96	9.76	5.50
291.00	18.00	0.00	0.00	0.96	9.76	5.50
292.00	18.00	0.00	0.00	0.96	9.76	5.50
293.00	18.00	0.00	0.00	0.96	9.76	5.50
294.00	18.00	0.00	0.00	0.96	9.76	5.50
295.00	18.00	0.00	0.00	0.96	9.76	5.50
296.00	18.00	0.00	0.00	0.96	9.76	5.50
297.00	18.00	0.00	0.00	0.96	9.76	5.50
298.00	18.00	0.00	0.00	0.96	9.76	5.50
299.00	18.00	0.00	0.00	0.96	9.76	5.50
300.00	18.00	0.00	0.00	0.96	9.76	5.50
301.00	18.00	0.00	0.00	0.96	9.76	5.50
302.00	18.00	0.00	0.00	0.96	9.76	5.50
303.00	18.00	0.00	0.00	0.96	9.76	5.50
304.00	18.00	0.00	0.00	0.96	9.76	5.50
305.00	18.00	0.00	0.00	0.96	9.76	5.50
306.00	18.00	0.00	0.00	0.96	9.76	5.50
307.00	18.00	0.00	0.00	0.96	9.76	5.50
308.00	18.00	0.00	0.00	0.96	9.76	5.50
309.00	18.00	0.00	0.00	0.96	9.76	5.50
310.00	18.00	0.00	0.00	0.96	9.76	5.50
311.00	18.00	0.00	0.00	0.96	9.76	5.50
312.00	18.00	0.00	0.00	0.96	9.76	5.50
313.00	18.00	0.00	0.00	0.96	9.76	5.50
314.00	18.00	0.00	0.00	0.96	9.76	5.50
315.00	18.00	0.00	0.00	0.96	9.76	5.50
316.00	18.00	0.00	0.00	0.96	9.76	5.50
317.00	18.00	0.00	0.00	0.96	9.76	5.50
318.00	18.00	0.00	0.00	0.96	9.76	5.50
319.00	18.00	0.00	0.00	0.96	9.76	5.50
320.00	18.00	0.00	0.00	0.96	9.76	5.50
321.00	18.00	0.00	0.00	0.96	9.76	5.50
322.00	18.00	0.00	0.00	0.96	9.76	5.50
323.00	18.00	0.00	0.00	0.96	9.76	5.50
324.00	18.00	0.00	0.00	0.96	9.76	5.50
325.00	18.00	0.00	0.00	0.96	9.76	5.50
326.00	18.00	0.00	0.00	0.96	9.76	5.50
327.00	18.00	0.00	0.00	0.96	9.76	5.50
328.00	18.00	0.00	0.00	0.96	9.76	5.50
329.00	18.00	0.00	0.00	0.96	9.76	5.50
330.00	18.00	0.00	0.00	0.96	9.76	5.50
331.00	18.00	0.00	0.00	0.96	9.76	5.50
332.00	18.00	0.00	0.00	0.96	9.76	5.50
333.00	18.00	0.00	0.00	0.96	9.76	5.50
334.00	18.00	0.00	0.00	0.96	9.76	5.50
335.00	18.00	0.00	0.00	0.96	9.76	5.50
336.00	18.00	0.00	0.00	0.96	9.76	5.50
337.00	18.00	0.00	0.00	0.96	9.76	5.50
338.00	18.00	0.00	0.00	0.96	9.76	5.50
339.00	18.00	0.00	0.00	0.96	9.76	5.50
340.00	18.00	0.00	0.00	0.96	9.76	5.50
341.00	18.00	0.00	0.00	0.96	9.76	5.50
342.00	18.00	0.00	0.00	0.96	9.76	5.50
343.00	18.00	0.00	0.00	0.96	9.76	5.50
344.00	18.00	0.00	0.00	0.96	9.76	5.50
345.00	18.00	0.00	0.00	0.96	9.76	5.50
346.00	18.00	0.00	0.00	0.96	9.76	5.50
347.00	18.00	0.00	0.00	0.96	9.76	5.50
348.00	18.00	0.00	0.00	0.96	9.76	5.50
349.00	18.00	0.00	0.00	0.96	9.76	5.50
350.00	18.00	0.00	0.00	0.96	9.76	5.50
351.00	18.00	0.00	0.00	0.96	9.76	5.50
352.00	18.00	0.00	0.00	0.96	9.76	5.50
353.00	18.00	0.00	0.00	0.96	9.76	5.50
354.00	18.00	0.00	0.00	0.96	9.76	5.50
355.00	18.00	0.00	0.00	0.96	9.76	5.50

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)
356.00	18.00	0.00	0.00	0.96	9.76	5.50
357.00	18.00	0.00	0.00	0.96	9.76	5.50
358.00	18.00	0.00	0.00	0.96	9.76	5.50
359.00	18.00	0.00	0.00	0.96	9.76	5.50
360.00	18.00	0.00	0.00	0.96	9.76	5.50

STRUCTURE MAXIMUM AND MINIMUM DISCHARGES

Struc	Max (cfs)	Time (hr)	Min (cfs)	Time (hr)
1	3.76	60.10	0.00	0.00

BASIN MAXIMUM AND MINIMUM STAGES

Basin	Max (ft)	Time (hr)	Min (ft)	Time (hr)
Proposed Site	10.30	60.10	5.50	0.00

BASIN WATER BUDGETS (all units in acre-ft)

Basin	Total Runoff	Structure Inflow	Structure Outflow	Initial Storage	Final Storage	Residual
Proposed Site	1.24	0.00	0.96	0.03	0.31	0.00

Section 5

Results & Conclusion

Results & Conclusion

Per the SFWMD ERP manuals, the development will not be required to provide water quality treatment as there is a net reduction in impervious area. Under existing conditions, the 0.91 AC site drains into two inlets which convey stormwater to the main Lakewood Plaza system that discharges into nearby surface waters. Additionally, the proposed stormwater design vastly improves by decreasing discharge for the 25-year, 3-day storm event. The building's finish floor, berm and inlets are all above the applicable design storm elevations and best management practices such as baffles & exfiltration trench filter fabric will be implemented to provide an efficient drainage system.

Appendix A

SFWMD Rainfall Maps

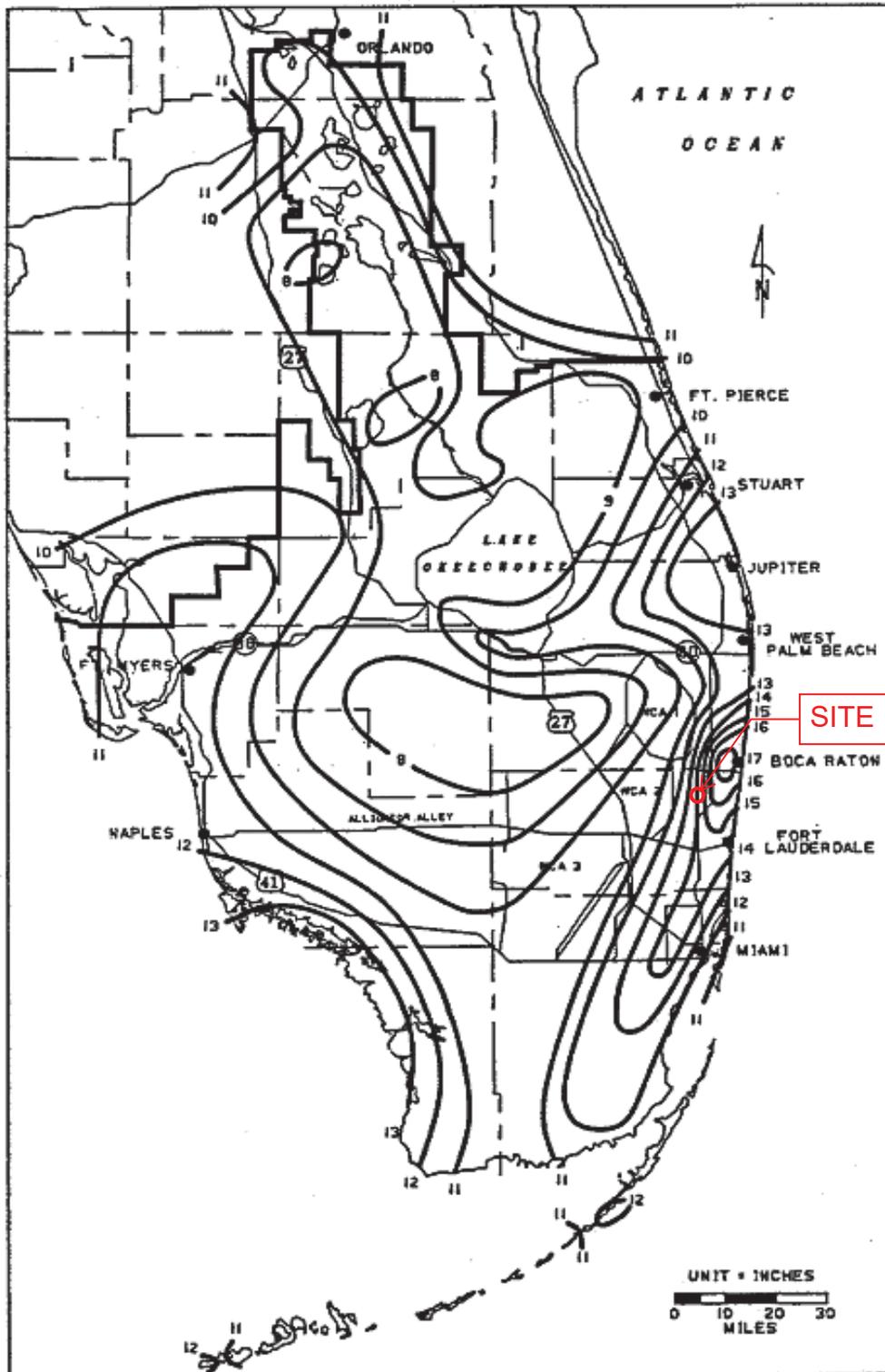


FIGURE C-8. 3-DAY RAINFALL: 25-YEAR RETURN PERIOD

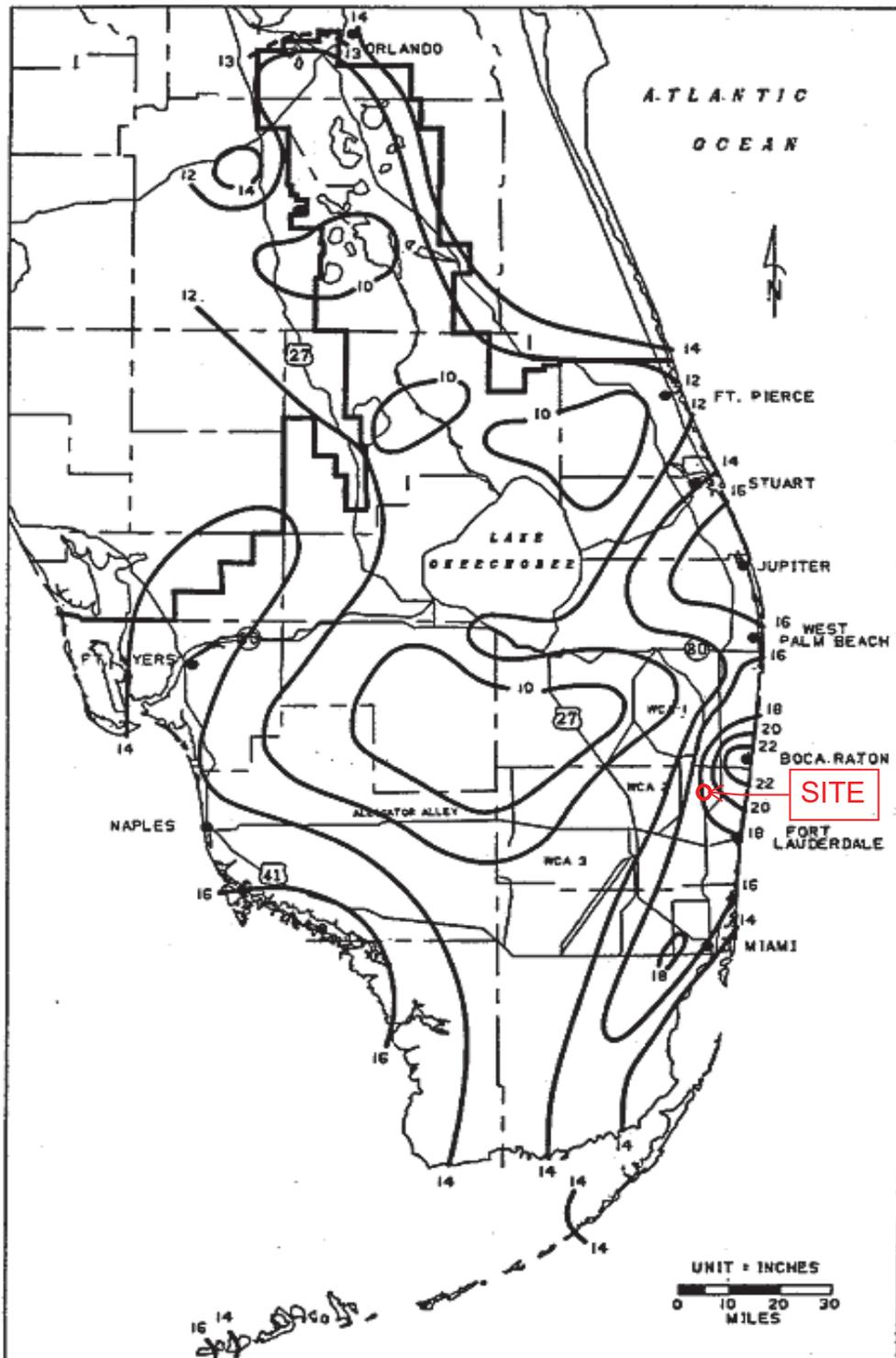


FIGURE C-9. 3-DAY RAINFALL: 100-YEAR RETURN PERIOD

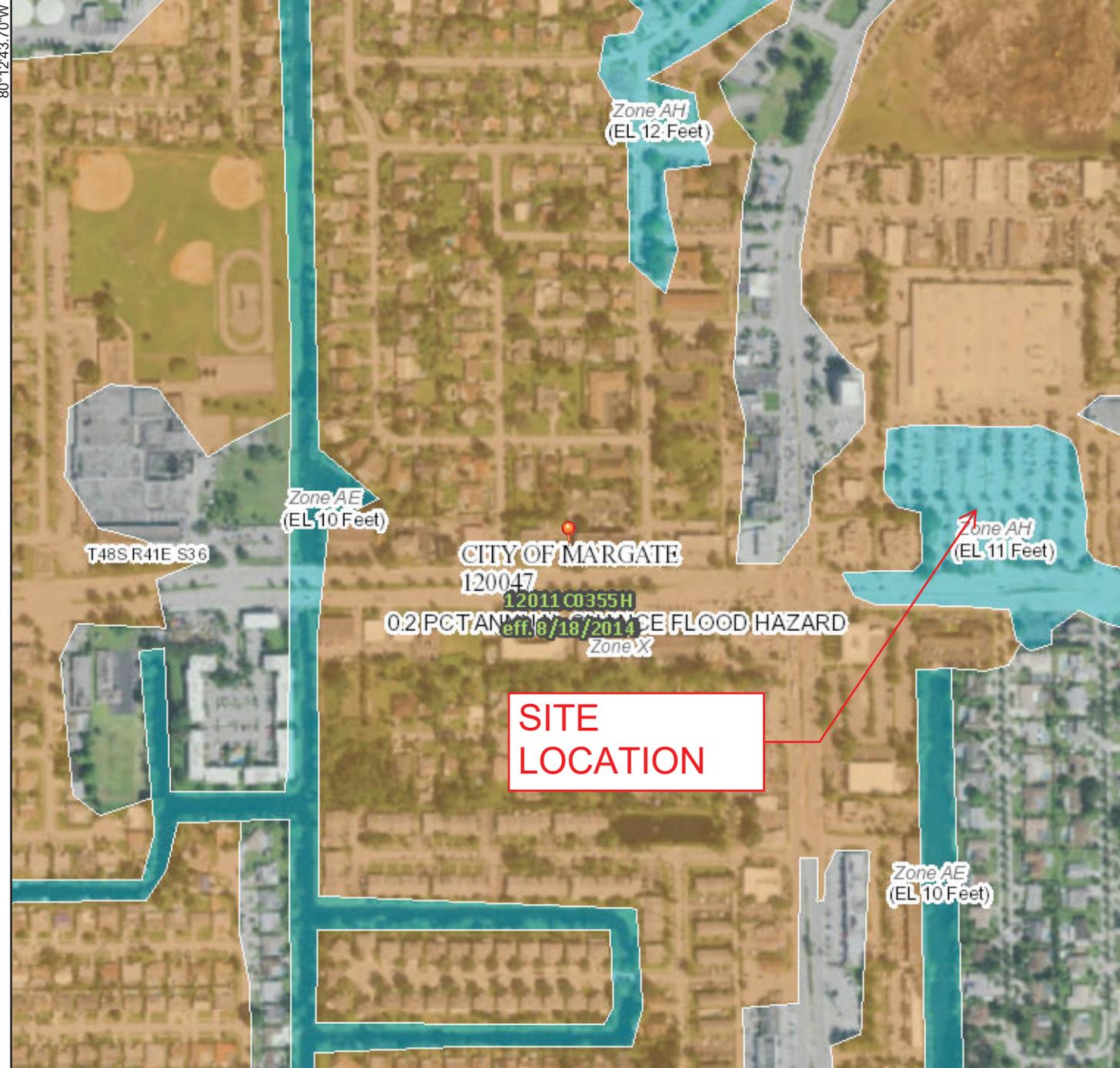
Appendix B

FEMA Flood Insurance Map

National Flood Hazard Layer FIRMMette



26° 14' 25.36" N



0 250 500 1,000 1,500 2,000 Feet 1:6,000

26° 13' 53.09" N

Legend

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

- | | | |
|------------------------------------|--|---|
| SPECIAL FLOOD HAZARD AREAS | | Without Base Flood Elevation (BFE)
Zone A, V, A99 |
| | | With BFE or Depth Zone AE, AO, AH, VE, AR |
| | | Regulatory Floodway |
| OTHER AREAS OF FLOOD HAZARD | | 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X |
| | | Future Conditions 1% Annual Chance Flood Hazard Zone X |
| | | Area with Reduced Flood Risk due to Levee. See Notes. Zone X |
| | | Area with Flood Risk due to Levee Zone D |
| OTHER AREAS | | NO SCREEN Area of Minimal Flood Hazard Zone X |
| | | Effective LOMRs |
| GENERAL STRUCTURES | | Area of Undetermined Flood Hazard Zone D |
| | | Channel, Culvert, or Storm Sewer |
| OTHER FEATURES | | Levee, Dike, or Floodwall |
| | | 20.2 Cross Sections with 1% Annual Chance Water Surface Elevation |
| MAP PANELS | | 17.5 Cross Sections with 1% Annual Chance Water Surface Elevation |
| | | Coastal Transect |
| | | Base Flood Elevation Line (BFE) |
| | | Limit of Study |
| | | Jurisdiction Boundary |
| | | Coastal Transect Baseline |
| | | Profile Baseline |
| | | Hydrographic Feature |
| MAP PANELS | | Digital Data Available |
| | | No Digital Data Available |
| | | Unmapped |

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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 4/22/2020 at 10:35:28 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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



Appendix C
ECS Geotechnical Report