

STORMWATER MANAGEMENT SYSTEM REPORT FOR



Legacy Park Phase 2 Alachua, Florida

Submitted to:

Suwannee River Water Management District
City of Alachua
Alachua County Public Works

Prepared for:

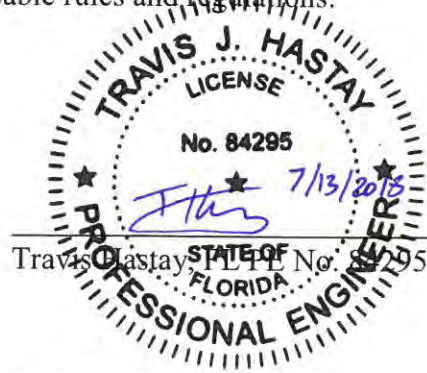
City of Alachua
P.O. Box 9
Alachua, FL 32616

July 18, 2018

17-0373

Engineer's Certification Statement

I hereby certify that the design of the stormwater management systems for the project known as Legacy Park Phase 2 has been designed substantially in accordance with the City of Alachua and Suwannee River Water Management District applicable rules and regulations.



Date

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Introduction

The Legacy Park Phase 2A project proposes the construction of an amphitheater building with restrooms, a concession area and 2 soccer fields with associated driveway, parking, stormwater management facilities, utility infrastructure, and related improvements. Existing Phase 1 improvements are permitted with the Suwannee River Water Management District under ERP No. 001-226859-1. The proposed development encompasses ± 17.83 ac. of a ± 105 ac. master site located at 14905 Peggy Road, Alachua, Florida, west of the existing Hal Brady Recreation Complex. This analysis also accounts for the future phase Legacy Park Phase 2B, which proposes the construction of an additional soccer field, concession area and additional on-site parking.

The project is located on tax parcel #03870-000-000, according to the Alachua County Property Appraiser's website. Figure 1 provides a Location Map and Figure 2 depicts the site on a portion of the Alachua USGS quadrangle map. It is located in Sections 15 and 22, Township 8 South, Range 18 East.

Refer to the accompanying engineering plans for details about the proposed construction.

Design Criteria

The design criteria for the proposed Stormwater Management Facilities are based upon the criteria set forth by the City of Alachua (CoA) and Suwannee River Water Management District (SRWMD) for dry retention system design in a closed watershed. The criteria met by this report are:

1. Provide Water Quality Treatment Volume (WQTV) – If the project area falls within a stream, coastal, or open-lake watershed and the discharge is to any class of surface water other than an Outstanding Florida Water, the minimum stormwater treatment volume shall be runoff from the first 1.0 inch of rainfall from the design storm (SRWMD) or 0.5 inch of runoff from the drainage area (CoA), whichever is greater. WQTV must be recovered within 72 hours (SRWMD).
2. Provide Discharge Rate and Volume Attenuation – Attenuate the post-development peak discharge rate and volume to be less than the pre-development peak discharge rates and volumes for the 100 year - 1 hour, 100 year - 2 hour, 100 year - 4 hour, 100 year - 8 hour, 100 year - 24 hour, 100 year - 72 hour, 100 year - 168 hour, and 100 year - 240 hour storm events (SRWMD and CoA).
3. Provide Volume Recovery – Retention systems must have one-half of the total volume available within 7 days following the end of the design storm event, and the total volume must be recovered within 30 days following the end of the storm event. Alternatively, if recovery requirements cannot be met, back to back storms can be routed through the system (SRWMD).
4. Freeboard: Retention ponds shall have a freeboard of 1 foot above the maximum stage in order to function properly during storms greater than the design storm (SRWMD).

The City of Alachua and the SRWMD require that best management practices (BMPs) be employed to control erosion, sedimentation and an operation and maintenance entity be established.

Site Characteristics

Physical characteristics of the site are described in the following sections. Additional details are provided in the accompanying Engineering plans.

Site Topography

In pre-development, the entirety of the Legacy Park site is undeveloped open space with scattered trees. A high point of EL. ± 154.0 exists near the site's western boundary, and the topography slopes gently downwards to the north, east and south to low points of EL. ± 81.0 . The topography of the site has three main watersheds.

Pre-Development Drainage

Runoff from Pre-Development Watershed #1 slopes from the northwest to the east at $\pm 2.5\%$. Runoff from this drainage area consists of sheet flow and shallow concentrated flow conveying from northwest to east across the site, ultimately discharging to the adjacent property to the east. Pre-Development Watershed #1 contains ± 49 AC of offsite areas to the north and northwest of the site.

Runoff from Pre-Development Watershed #2 consists of sheet flow and shallow concentrated flow conveying from northwest to south across the site, ultimately discharging to the existing swale running along the north side of Peggy Road. Runoff in the swale flows to the west to a nearby culvert that takes it south of Peggy Road. Pre-Development Watershed #2 contains ± 1.81 ac. of offsite area west of the site.

Runoff from Pre-Development Watershed #3 consists of sheet flow and shallow concentrated flow conveying from northwest to south across the site, ultimately discharging to the existing swale running along the north side of Peggy Road. Runoff in the swale flows to the east to an existing low spot.

Refer to Figure 6 for information on the pre-development drainage patterns.

Post-Development Drainage

The drainage characteristics in the post-development condition generally follow the same pattern as the pre-development condition. The site has been delineated into six watersheds, Post-Development Watershed #1, Post-Development Watersheds #2A & 2B and Post-Development Watersheds #3A & 3B.

Post-Development Watershed #1 corresponds to the majority of Pre-Development Watershed #1 and follows the same drainage patterns as pre-development. There are no improvements proposed in Phase 2A or 2B within Post-Development Watershed #1.

Post-Development Watershed #2A contains the majority of the southern half of the entry drive from Peggy Road to the existing Recreation Center, as well as the proposed amphitheater, a majority of the proposed parking, and a portion of the proposed soccer fields. Stormwater runoff from this drainage area will flow via sheet flow, shallow concentrated flow and channelized flow to the stormwater conveyance system and into SMF-1. SMF-1 is an existing dry retention facility permitted and constructed with Phase 1 that discharges to the existing swale along Peggy Road during intense storm events. This project proposes to modify the discharge from the SMF, creating two distinct separate discharges to Peggy Road that are designed to flow to the west and the east to match the drainage patterns of Pre-Development Watershed #2 and Pre-Development Watershed #3, respectively.

Post-Development Watershed #2B consists of area west and north of the existing entry drive from Peggy Road, including ± 1.81 ac. of offsite area. Runoff from this drainage area flows via sheet flow, shallow concentrated flow and channelized flow into the stormwater conveyance system and into SMF-4. SMF-4 is designed as a dry retention facility and discharges to the existing swale along Peggy Road that ultimately conveys runoff to the west.

Post-Development Watershed #3A consists of the open space south of the entry drive and north of Peggy Road. No improvements are proposed within this drainage area, and stormwater runoff will flow to the swale along Peggy Road and subsequently to the east as in pre-development conditions.

Post-Development Watershed #3B consists of the remainder of the entry drive to the Recreation Center and a portion of the Recreation Center's parking area. Stormwater runoff from the entry drive portion of this drainage area will collect in swales along the drive and discharge into SMF-2. Stormwater runoff from the parking area portion of this drainage area will collect in a storm inlet and discharge into SMF-2. SMF-2 is an existing dry retention facility permitted and constructed with Phase 1 that discharges to the existing SMF-3. Infiltration rates for SMF-2 prevent recovery of the WQTV and therefore WQTV for this drainage area has been provided in SMF-3. Watershed 3B is reduced with Phase 2A, so no impacts are expected or proposed to SMF-2 with Phase 2A or 2B.

Post-Development Watershed #3C consists of the Recreation Center, a portion of the parking area and drop-off area as well as the remainder of the proposed soccer field area to the south. Stormwater runoff from this drainage area will collect in inlets and downspouts and be directed to SMF-3. SMF-3 is an existing dry retention facility that discharges to the existing swale along Peggy Road during intense storm events. SMF-3 is proposed to be expanded with Phase 2A. Additionally, the discharge structure will be modified. Discharge to Peggy Road is designed to flow to the east to match the drainage patterns of Pre-Development Watershed #3.

Refer to Figure 7 for information on the post-development drainage patterns. Refer to Appendix A and the accompanying engineering plans for additional details about the proposed stormwater management system.

Soils Information

The National Resource Conservation Service (NRCS) Soil Survey for Alachua County describes the near surface soil profile as *Millhopper sand (0 to 5 percent slopes)* with a hydrologic soil group rating of 'A', *Arredondo fine sand (5 to 8 percent slopes)* with a hydrologic soil group rating of 'A', *Fort Meade fine sand (0 to 5 percent slopes)* with hydrologic soil group rating of 'A', *Lochloosa fine sand (5 to 8 percent slopes)* with a hydrologic soil group rating of 'B', *Norfolk loamy fine sand (2 to 5 percent slopes)* with a hydrologic soil group rating of 'B', and as *Bivans sand (0 to 5 percent slopes)* with a hydrologic soil group rating of 'C'. Refer to Figure 4 for the NRCS Soils Map.

A site-specific soils investigation was conducted by GSE Engineering & Consulting, Inc. in January 2016, and an additional supplemental investigation conducted in March 2016. Based on the Summary Report of Geotechnical Site Exploration, the following design parameters were determined and applied for the stormwater management facility calculations. Refer to Appendix C for further details.

Proposed Southern Stormwater Management Facility (SMF-1)

- Average elevation of ground at pond borings: 97' (NAVD 88)
- Base of mobilized aquifer: 16 ft below land surface (bls)
- Unsaturated vertical infiltration rate: 14 ft/day (7 ft/day used in calculations)
- Horizontal hydraulic conductivity: 20 ft/day (10 ft/day used in calculations)
- Fillable porosity: 25%
- Average seasonal high groundwater table: >15.5 ft bls

Proposed Central Stormwater Management Facility (SMF-2)

- Average elevation of ground at pond borings: 115' (NAVD 88)
- Base of mobilized aquifer: 7 ft bls
- Unsaturated vertical infiltration rate: 0.5 ft/day (0.25 ft/day used in calculations)
- Horizontal hydraulic conductivity: 1 ft/day (0.5 ft/day used in calculations)
- Fillable porosity: 20%
- Average seasonal high groundwater table: >6.5 ft bls

Proposed Southeastern Stormwater Management Facility (SMF-3)

- Average elevation of ground at pond borings: 92' (NAVD 88)
- Base of mobilized aquifer: 9.5 ft bls
- Unsaturated vertical infiltration rate: 11 ft/day (5.5 ft/day used in calculations)
- Horizontal hydraulic conductivity: 17 ft/day (8.5 ft/day used in calculations)
- Fillable porosity: 20%
- Average seasonal high groundwater table: >9 ft bls

Proposed Southwestern Stormwater Management Facility (SMF-4)

- Average elevation of ground at pond borings: 95' (NAVD 88)
- Base of mobilized aquifer: >15 ft bls
- Unsaturated vertical infiltration rate: 8.5 ft/day (4.25 ft/day used in calculations)

- Horizontal hydraulic conductivity: 13 ft/day (6.5 ft/day used in calculations)
- Fillable porosity: 25%
- Average seasonal high groundwater table: 15 ft bls

A safety factor of 2 was applied to the infiltration rate and hydraulic conductivity values for use in the analysis.

Drainage Analysis

The proposed SMF-1, SMF-3 and SMF-4 were designed to provide attenuation of discharge rates and volumes for the 100 year - 1 hour, 100 year - 2 hour, 100 year - 4 hour, 100 year - 8 hour, 100 year - 24 hour, 100 year - 72 hour, 100 year - 168 hour, and 100 year - 240 hour storm events. Additionally, the proposed SMF-1, SMF-3 and SMF-4 were designed to have one-half of the total volume available 7 days following the end of the design storm events as well as the total volume available within 30 days of the design storm events.

Appendix A contains details and calculations as well as a section for routing results, recovery analysis, hydraulic calculations, and general drainage calculations.

Analysis Methodology

The drainage analysis was conducted using the computer program ICPR (v3.10, Service Pack 11) to generate runoff hydrographs and route the runoff hydrographs through the proposed stormwater system with a groundwater mounding analysis. The required storm events were analyzed using SRWMD rainfall amounts for Alachua County (FDOT Zone 5) and FDOT distributions for the pre-development and post-development watersheds.

Calculations were completed to determine the runoff rates and volumes for the pre-development conditions. Calculations for Post-Development Watershed #1, Post-Development Watershed #2A (SMF-1), Post-Development Watershed #2B (SMF-4), Post-Development Watershed #3A, Post-Development Watershed #3B (SMF-2) and Post-Development Watershed #3C (SMF-3) were completed to demonstrate that the required water quality treatment volume, discharge rate and volume attenuation, and storm event recovery were met. Also, the routing results were analyzed to ensure that the peak stage of each storm event did not exceed the top of facility.

Unit Hydrograph Parameters

Unit hydrograph parameters required for the drainage analysis include run-off curve number (CN), time of concentration (T_c), and drainage area.

Values used in the Analysis are summarized as follows:

<u>Pre-Development Watershed #1:</u>	
Watershed Area =	80.46 AC.
Pasture Area (Good, Type 'A' Soil) =	31.37 AC.
*Offsite Residential Lots (2acre) =	49.09 AC.

CN = 47

$T_c = 19 \text{ min.}^1$

*Note: The offsite portion of this watershed is single family homes with type A (76%), B (7%) and C (17%) soils.

Pre-Development Watershed #2:

Watershed Area = 12.79 AC.

Impervious Area (Existing offsite home) = 0.10 AC.

Pasture Area (Good, Type 'A' Soil) = 12.69 AC.

CN = 39

$T_c = 14 \text{ min.}^1$

Pre-Development Watershed #3:

Watershed Area = 30.29 AC.

Impervious Area (Existing offsite home) = 0.00 AC.

Pasture Area (Good, Type 'A' Soil) = 30.29 AC.

CN = 39

$T_c = 12 \text{ min.}^1$

Post-Development Watershed #1:

Watershed Area = 76.62 AC.

Open Area (Good, Type 'A' Soil) = 27.53 AC.

*Offsite Residential Lots (2acre) = 49.09 AC.

CN = 48

$T_c = 19 \text{ min.}^1$

*Note: The offsite portion of this watershed is single family homes with type A (76%), B (7%) and C (17%) soils.

Post-Development Watershed #2A (SMF-1):

Watershed Area = 16.97 AC.

Impervious Area = 1.53 AC.

Future Impervious Area = 1.59 AC.

Open Area (Good, Type 'A' Soil) = 13.10 AC.

Stormwater Management Facility = 0.75 AC.

CN = 53

$T_c = 6 \text{ min.}^2$

Post-Development Watershed #2B (SMF-4):

Watershed Area = 15.31 AC.

Impervious Area = 0.42 AC.

Open Area (Good, Type 'A' Soil) = 14.25 AC.

Stormwater Management Facility = 0.65 AC.

CN = 43

$T_c = 17 \text{ min.}^1$

Post-Development Watershed #3A:

Watershed Area = 2.49 AC.

Open Area (Good, Type 'A' Soil) = 2.49 AC.

CN = 39

$T_c = 6 \text{ min.}^2$

Post-Development Watershed #3B (SMF-2):

Watershed Area = 2.04 AC.
Impervious Area = 0.48 AC.
Open Area (Good, Type 'A' Soil) = 1.48 AC.
Stormwater Management Facility = 0.08 AC.
CN = 54
 $T_c = 6 \text{ min.}^2$

Post-Development Watershed #3C (SMF-3):

Watershed Area = 11.41 AC.
Impervious Area = 3.51 AC.
Open Area (Good, Type 'A' Soil) = 7.12 AC.
Stormwater Management Facility = 0.78 AC.
CN = 61
 $T_c = 6 \text{ min.}^2$

1) The time of concentration was calculated using the TR-55 method.

2) The time of concentration was assumed to be 6 minutes.

Pond Storage

Stage-storage values for the proposed SMF-1, SMF-2, SMF-3 and SMF-4 are provided in Appendix A.

Water Quality Treatment Volume

Per SRWMD, the required WQTV for a dry retention system is 1.0 inch of rainfall from the design storm calculated using the rational method. Per the City of Alachua, the minimum required WQTV shall be the first 0.5 inches of runoff over the drainage area. For all SMFs, the CoA requirement resulted in a greater volume and was used as the minimum WQTV. The required WQTV for proposed SMF-1 is ±30,056 CF. The required WQTV for proposed SMF-3 is ±28,936 CF, which includes the required WQTV for both Post-Development Watershed #3B and #3C. The required WQTV for proposed SMF-4 is ±27,794 CF.

ICPR was used to model recovery of the WQTV. The WQTV information and routing results are summarized below in Table 1.

Table 1: Post-Development Water Quality Treatment

Basin ID	Required SRWMD (cf)	Required COA (cf)	Provided (cf)	Recovery (hrs)
SMF-1	24,643	30,803	77,949	< 3
SMF-2&3	27,150	28,936	30,205	< 4
SMF-4	14,126	27,794	30,236	< 6

Run-off and Facility Routing Results

The routing results for all pre and post-development watersheds are summarized below in Tables 2 and 3. The tables compare the discharge rates and volumes for the two different outfalls: Peggy Road West and Peggy Road East. Tables 4, 5, 6 and 7 show peak stages, time to half volume available and time to full volume available for the analyzed storm events for SMF-1, 2, 3 and 4 respectively.

Total post-development discharge rates and volumes did not exceed pre-development conditions for all storm events. All SMFs recovered half of their total volume within 72 hours of a storm event and are fully recovered within 30 days after the storm event. Detailed results can be found in Appendix A.

Table 2: Post-Development Watershed #2 Routing Results –Discharge to Peggy Road West

Storm Event	Discharge Rates (CFS)			Discharge Volumes (CF)		
	Pre	Post	Change	Pre	Post	Change
100YR-1HR	3.88	0.00	-3.88	4,443	0	-4,443
100YR-2HR	3.58	0.00	-3.58	13,155	0	-13,155
100YR-4HR	7.03	0.12	-6.91	30,928	556	-30,361
100YR-8HR	8.77	0.30	-8.47	53,448	5,053	-48,395
100YR-24HR	3.79	0.82	-2.97	123,144	33,933	-89,211
100YR-72HR	5.00	1.28	-3.72	200,637	139,087	-61,550
100YR-168HR	4.13	2.02	-2.11	269,375	219,804	-49,571
100YR-240HR	5.28	2.66	-2.62	336,065	318,032	-18,034

Table 3: Post-Development Watershed #3 Routing Results –Discharge to Peggy Road East

Storm Event	Discharge Rates (CFS)			Discharge Volumes (CF)		
	Pre	Post	Change	Pre	Post	Change
100YR-1HR	10.04	0.96	-9.08	10,454	1,045	-9,409
100YR-2HR	8.77	1.13	-7.64	30,971	7,187	-23,784
100YR-4HR	16.88	2.66	-14.22	73,834	35,850	-37,984
100YR-8HR	21.31	2.70	-18.61	127,282	81,022	-46,261
100YR-24HR	9.05	5.33	-3.72	291,939	256,089	-35,850
100YR-72HR	11.88	7.08	-4.80	475,370	463,783	-11,587
100YR-168HR	9.77	9.32	-0.45	638,110	626,001	-12,110
100YR-240HR	12.52	12.25	-0.27	795,841	792,879	-2,962

Table 4: Post-Development Watershed #2A (SMF-1) Routing Results – Peak Stage and Recovery

Storm Event	Peak Stage (FT)	Freeboard (FT) from 96.5	Time to ½ Volume Available (Days After Storm)	Time to Full Recovery (Days After Storm)
100YR-1HR	90.82	5.68	< 1.0	< 1.0
100YR-2HR	91.25	5.25	< 1.0	< 1.0
100YR-4HR	92.04	4.46	< 1.0	< 1.0
100YR-8HR	92.42	4.08	< 1.0	< 2.9
100YR-24HR	93.37	3.13	< 1.0	< 9.8
100YR-72HR	94.78	1.72	< 1.0	< 13.8
100YR-168HR	95.24	1.26	< 1.0	< 17.9
100YR-240HR	95.39	1.11	< 1.0	< 19.4

Table 5: Post-Development Watershed #3B (SMF-2) Routing Results – Peak Stage and Recovery

Storm Event	Peak Stage (FT)	Freeboard (FT) from 115.0	Time to ½ Volume Available (Days After Storm)	Time to Full Recovery (Days After Storm)
100YR-1HR	112.05	2.95	< 1.0	< 1.0
100YR-2HR	112.37	2.63	< 1.0	< 1.0
100YR-4HR	112.97	2.03	< 1.0	< 1.0
100YR-8HR	113.15	1.85	< 1.0	< 1.0
100YR-24HR	112.74	2.26	< 1.0	< 1.0
100YR-72HR	112.77	2.23	< 1.0	< 1.0
100YR-168HR	112.64	2.36	< 1.0	< 1.7
100YR-240HR	113.25	1.75	< 1.0	< 1.7

Table 6: Post-Development Watershed #3C (SMF-3) Routing Results – Peak Stage and Recovery

Storm Event	Peak Stage (FT)	Freeboard (FT) from 92.5	Time to ½ Volume Available (Days After Storm)	Time to Full Recovery (Days After Storm)
100YR-1HR	89.04	3.46	< 1.0	< 1.0
100YR-2HR	89.46	3.04	< 1.0	< 5.9
100YR-4HR	90.08	2.42	< 1.0	< 10.8
100YR-8HR	90.30	2.20	< 1.0	< 12.4
100YR-24HR	91.05	1.45	< 1.0	< 14.9
100YR-72HR	91.20	1.30	< 1.0	< 17.3
100YR-168HR	91.22	1.28	< 1.0	< 22.4
100YR-240HR	91.45	1.05	< 1.0	< 24.9

Table 6: Post-Development Watershed #2B (SMF-4) Routing Results – Peak Stage and Recovery

Storm Event	Peak Stage (FT)	Freeboard (FT) from 96.0	Time to ½ Volume Available (Days After Storm)	Time to Full Recovery (Days After Storm)
100YR-1HR	89.26	5.74	< 1.0	< 1.0
100YR-2HR	89.60	5.40	< 1.0	< 1.0
100YR-4HR	90.27	4.73	< 1.0	< 1.0
100YR-8HR	90.69	4.31	< 1.0	< 1.0
100YR-24HR	91.45	3.55	< 1.0	< 2.6
100YR-72HR	92.79	2.21	< 1.0	< 6.7
100YR-168HR	93.68	1.32	< 1.0	< 8.9
100YR-240HR	93.76	1.24	< 1.0	< 9.3

Summary and Conclusions

The proposed drainage system meets City of Alachua and SRWMD criteria for stormwater management facilities as follows:

1. Provide Water Quality Treatment Volume (WQTV) – SMF-1 has been designed to retain the first 0.5 inch of rainfall over from the drainage area and recover the WQTV within 72 hours for Post-Development Watershed #2A. SMF-3 has been designed to retain the first inch of runoff from rainfall from the design storm and recover the WQTV within 72 hours for Post-Development Watersheds #3B and #3C. SMF-4 has been designed to retain the first 0.5 inch of rainfall over the drainage area and recover the WQTV within 72 hours for Post-Development Watershed #2B (SRWMD and CoA).
2. Provide Discharge Rate and Volume Attenuation –SMF-1, SMF-3 and SMF-4 have been designed so that post-development discharge rates and volumes do not exceed the pre-development discharge rates and volumes for the 100 year - 1 hour, 100 year - 2 hour, 100 year - 4 hour, 100 year - 8 hour, 100 year - 24 hour, 100 year - 72 hour, 100 year - 168 hour, and 100 year - 240 hour storm events (SRWMD and CoA).
3. Provide Volume Recovery –SMF-1, SMF-3 and SMF-4 have been designed so that one-half of the total volume is available within 7 days following the end of all design storm events and the total volume available is recovered within 30 days following the end of all design storm events (SRWMD).
4. Freeboard: At least 1 foot of freeboard is provided for all design storms in all stormwater management facilities (SRWMD).

Based on the information provided, the project is eligible for approval by the City of Alachua and SRWMD.

Figure 1

Project Location Map

Project Location Map

LEGACY PARK

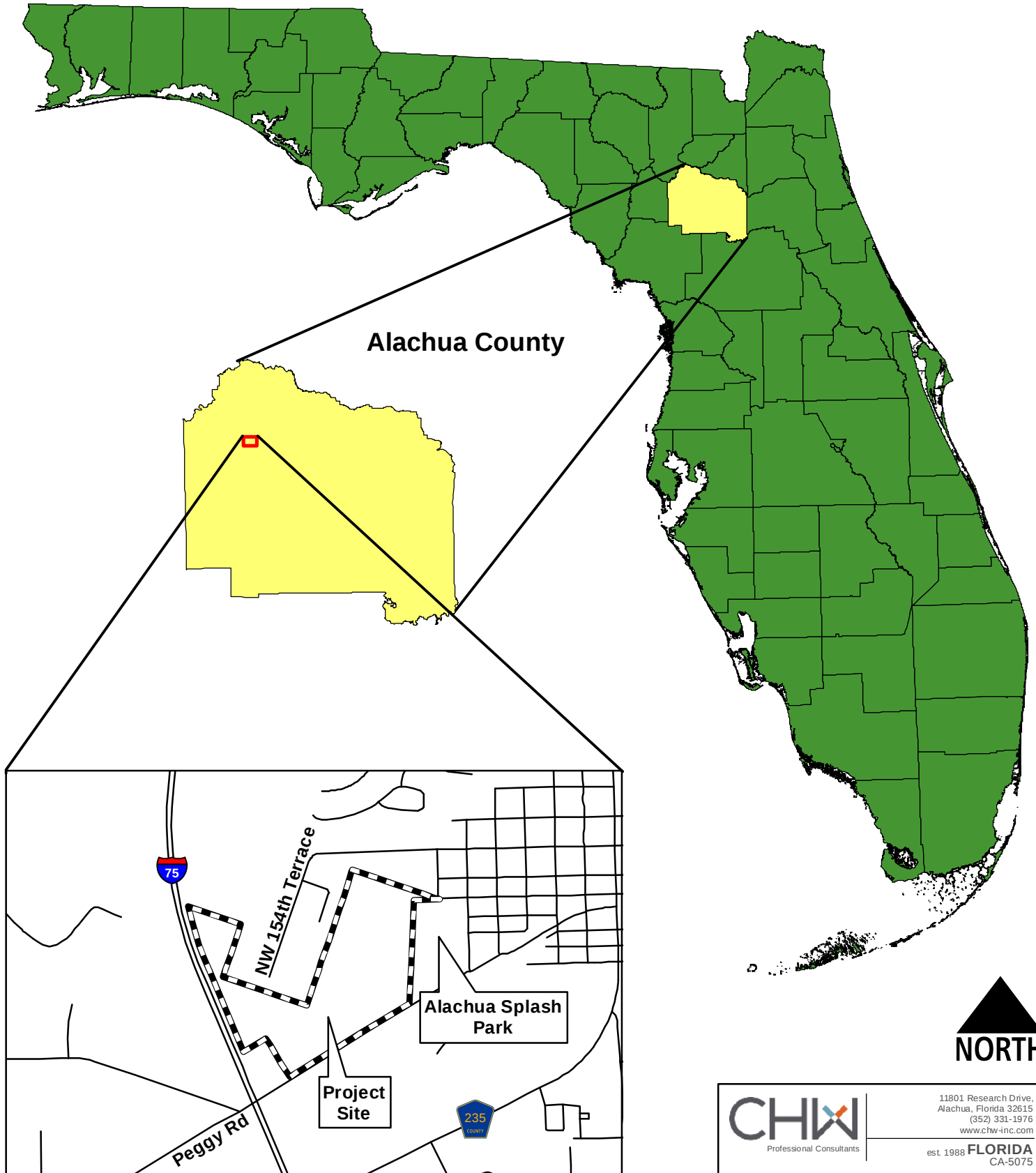
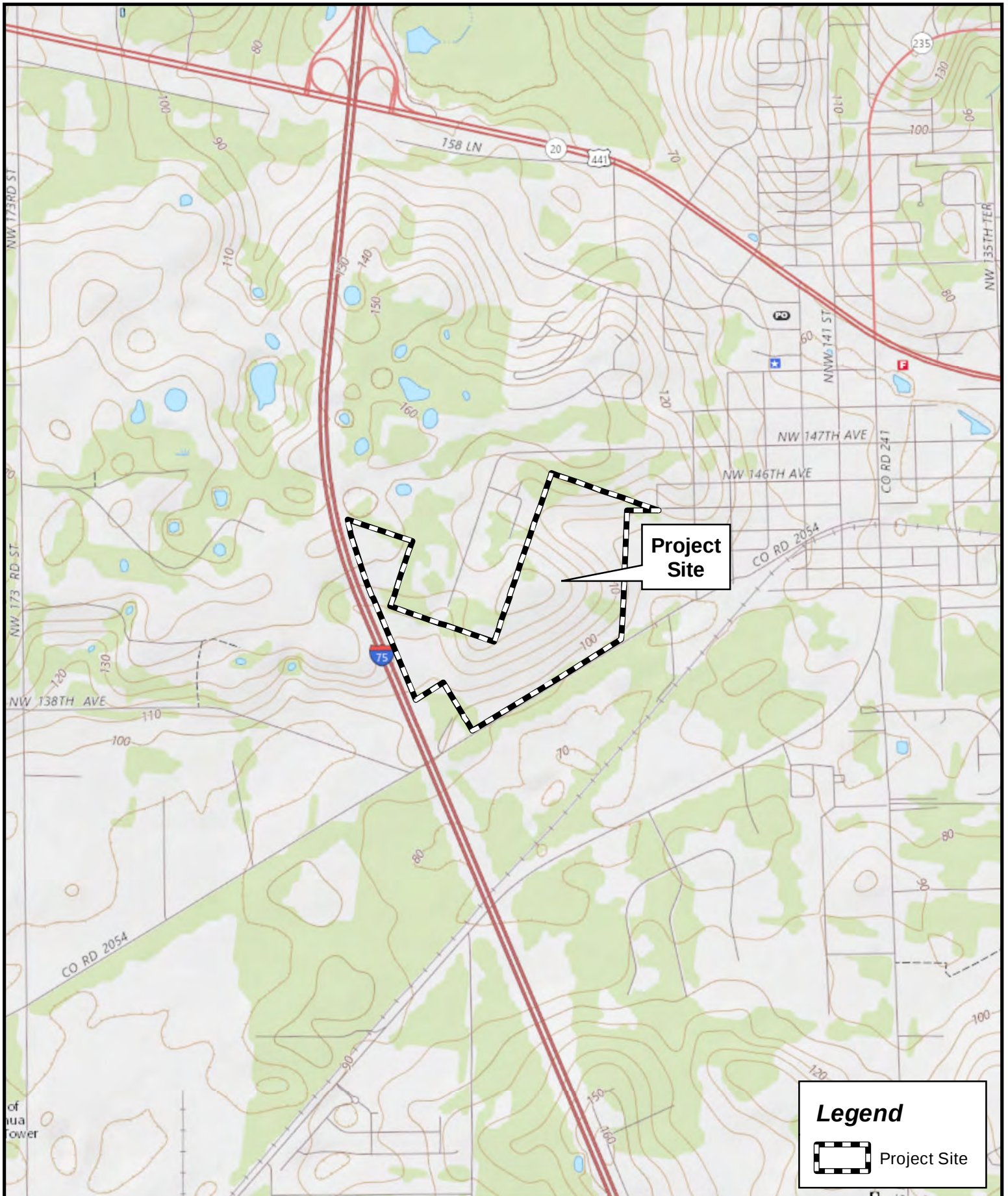


Figure 2

USGS Quadrangle Map



Project Site

Legend



Project Site



11801 Research Drive,
Alachua, Florida 32615
(352) 331-1976
www.chw-inc.com
est. 1988 **FLORIDA**
CA-5075

LEGACY PARK Quad Map

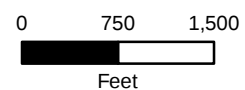
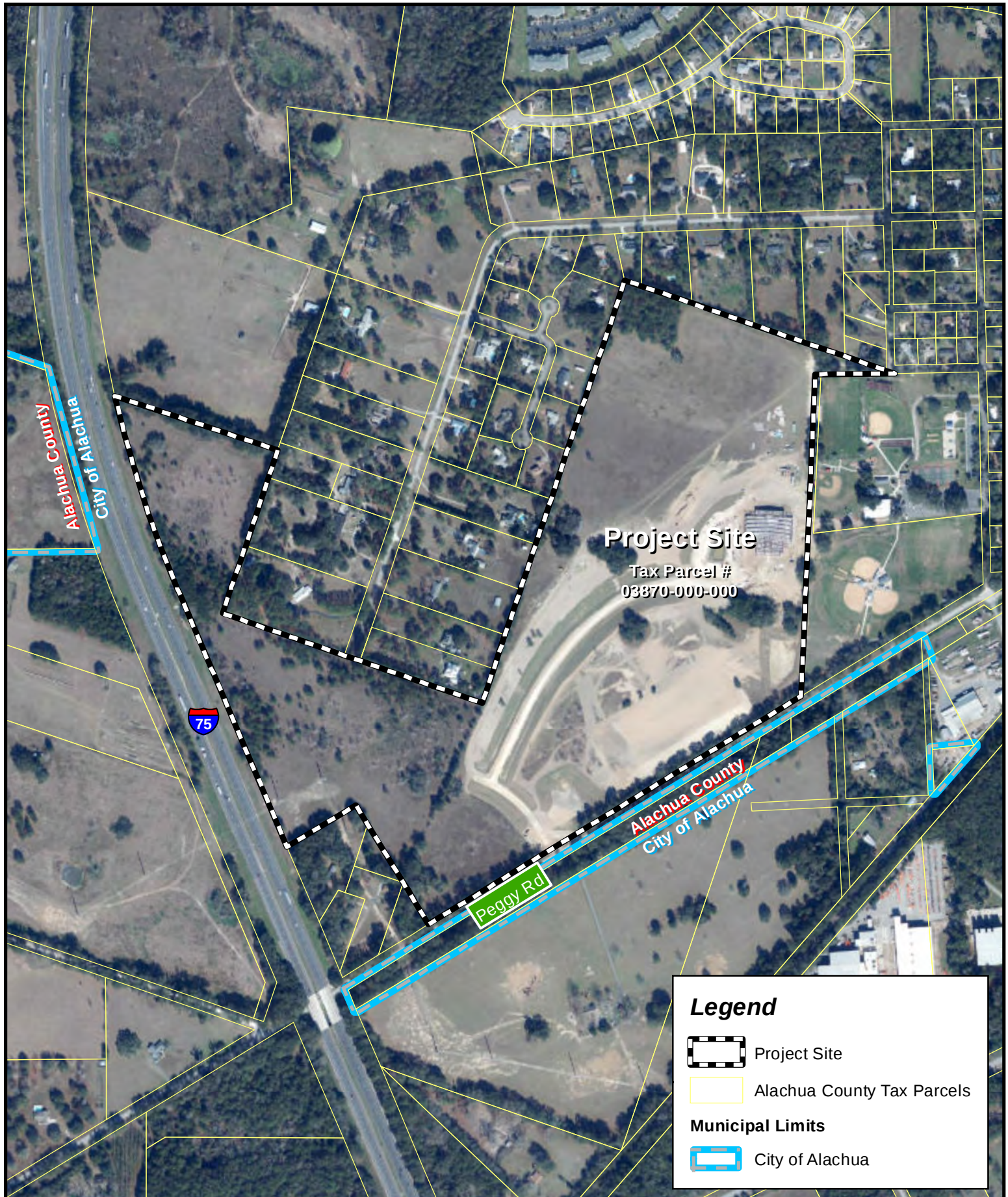


Figure 3

Aerial Map



Legend



Project Site



Alachua County Tax Parcels

Municipal Limits



City of Alachua



11801 Research Drive,
Alachua, Florida 32615
(352) 331-1976
www.chw-inc.com
est. 1988 **FLORIDA**
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LEGACY PARK Aerial Map

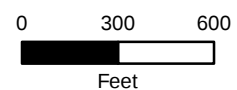


Figure 4

NRCS Soils Map

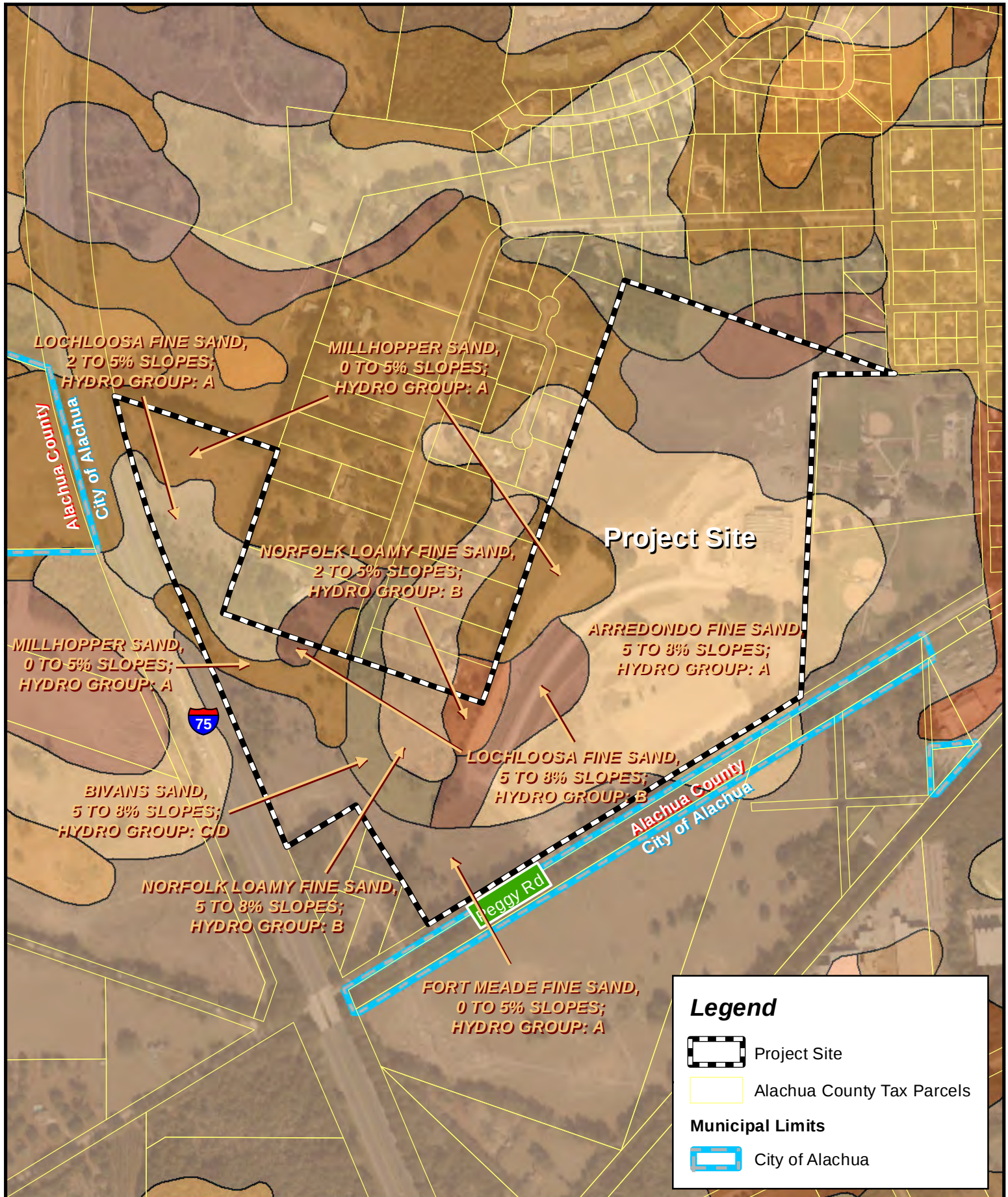
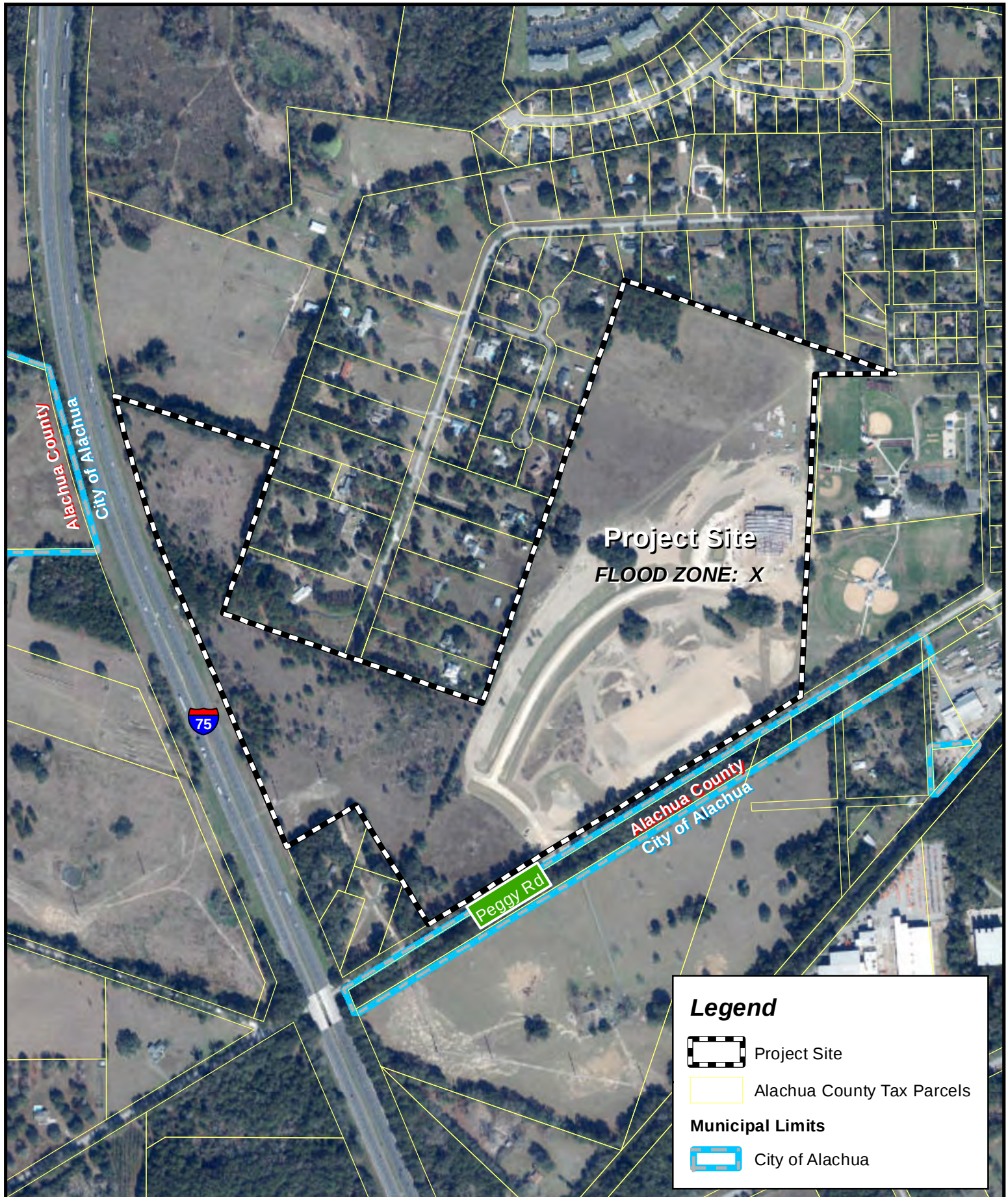


Figure 5

FEMA Flood Map



Legend



Project Site



Alachua County Tax Parcels

Municipal Limits



City of Alachua



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LEGACY PARK FEMA Map

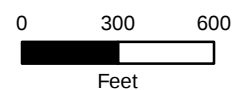
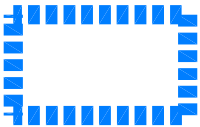


Figure 7

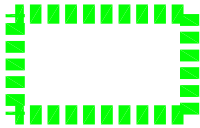
Post-Development Drainage Map

LEGEND

POST-DEVELOPMENT
WATERSHED #1:



POST-DEVELOPMENT
WATERSHED #2A:



POST-DEVELOPMENT
WATERSHED #2B:



POST-DEVELOPMENT
WATERSHED #3A:



POST-DEVELOPMENT
WATERSHED #3B:



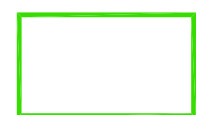
POST-DEVELOPMENT
WATERSHED #3C:



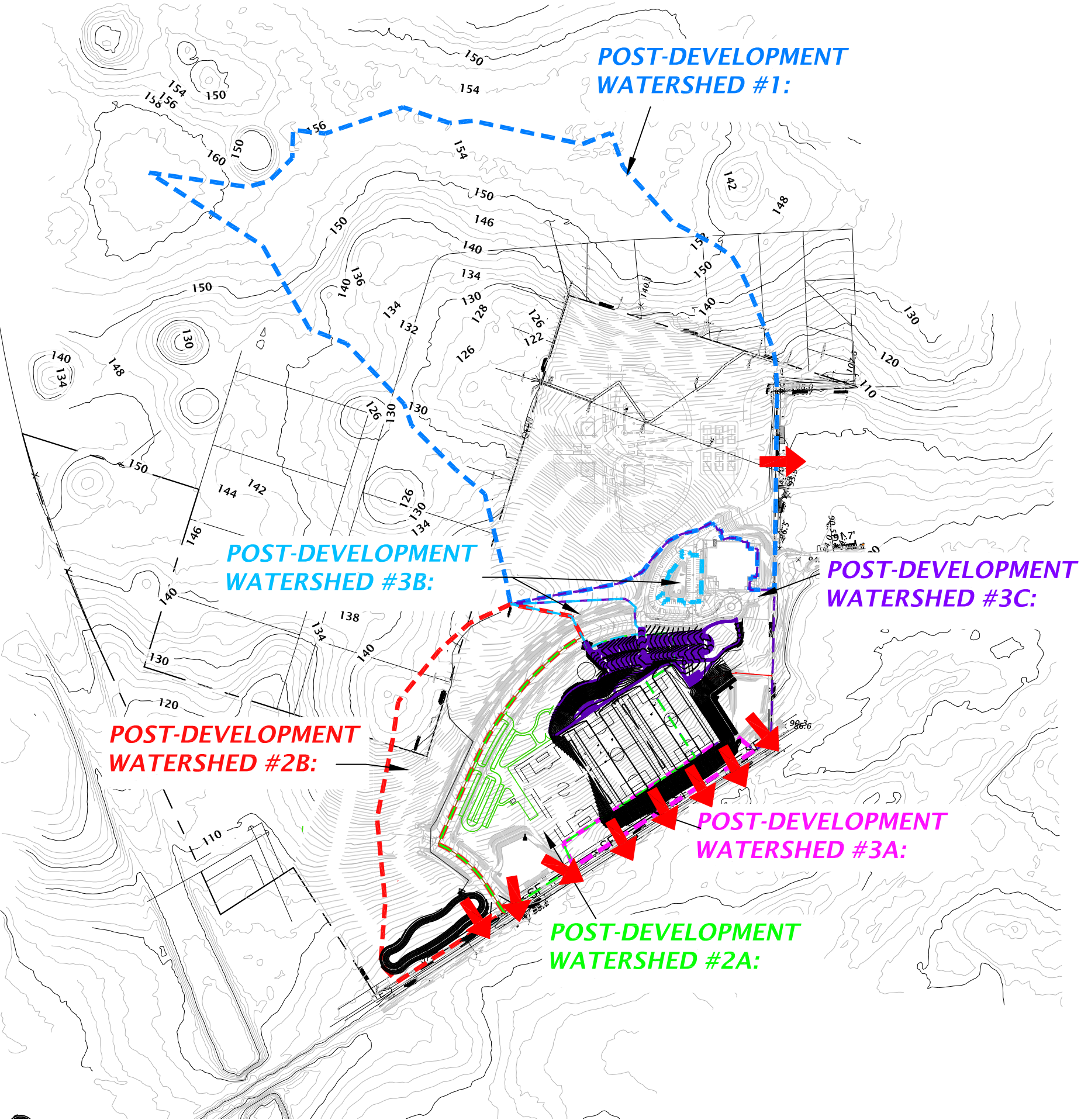
PROPOSED ONSITE
IMPERVIOUS AREA:



PROPOSED FUTURE
ONSITE IMPERVIOUS
AREA:



POST-DEVELOPMENT
DISCHARGE POINT:



Appendix A

Drainage Calculations and
Computer Model Output

CURVE NUMBER CALCULATIONS

Pre-Development Watershed #1:

Total Area:	3,504,958	s.f.	80.46	ac.	CN	CN * Area
Impervious Area (Existing)	0	s.f.	0.00	ac.	98	0.0
Pasture Area (Good, Type 'A' Soil):	1,366,656	s.f.	31.37	ac.	39	1223.6
*Residential 2acre lots (Good, Type A,B,C Soil):	2,138,302	s.f.	49.09	ac.	53	2582.1

Composite CN:

47

Time of Concentration: 19 minutes
(Time calculated using TR-55 method methodology)

*Note: The offsite portion of this watershed is single family homes with type A (76%), B (7%) and C (17%) soils.

Pre-Development Watershed #2:

Total Area:	557,246	s.f.	12.79	ac.	CN	CN * Area
Impervious Area (Existing offsite home)	4,500	s.f.	0.10	ac.	98	10.1
Pasture Area (Good, Type 'A' Soil):	552,746	s.f.	12.69	ac.	39	494.9

Composite CN:

39

Time of Concentration: 14 minutes
(Time calculated using TR-55 method methodology)

Pre-Development Watershed #3:

Total Area:	1,319,416	s.f.	30.29	ac.	CN	CN * Area
Impervious Area (Existing offsite home)	0	s.f.	0.00	ac.	98	0.0
Pasture Area (Good, Type 'A' Soil):	1,319,416	s.f.	30.29	ac.	39	1181.3

Composite CN:

39

Time of Concentration: 12 minutes
(Time calculated using TR-55 method methodology)

Post-Development Watershed #1:

Total Area:	3,337,704	s.f.	76.62	ac.	CN	CN * Area
Impervious Area:	0	s.f.	0.00	ac.	98	0.0
Stormwater Management Facility:	0	s.f.	0.00	ac.	100	0.0
Open Area (Good, Type 'A' Soil):	1,199,402	s.f.	27.53	ac.	39	1073.8
*Residential 2acre lots (Good, Type A,B,C Soil):	2,138,302	s.f.	49.09	ac.	53	2582.1

Composite CN: **48**

Time of Concentration: 19 minutes

*Note: The offsite portion of this watershed is single family homes with type A (76%), B (7%) and C (17%) soils.

Post-Development Watershed #2A (SMF-1):

Total Area:	739,278	s.f.	16.97	ac.	CN	CN * Area
Impervious Area:	66,627	s.f.	1.53	ac.	98	149.9
Future Impervious Area:	69,304	s.f.	1.59	ac.	98	155.9
Stormwater Management Facility:	32,861	s.f.	0.75	ac.	100	75.4
Open Area (Good, Type 'A' Soil):	570,486	s.f.	13.10	ac.	39	510.8

Composite CN: **53**

Time of Concentration: 6 minutes

(Time assumed to be 6 minutes)

Note: The stormwater management area was considered to have an CN value of 100

Post-Development Watershed #2B (SMF-4):

Total Area:	667,060	s.f.	15.31	ac.	CN	CN * Area
Impervious Area:	18,118	s.f.	0.42	ac.	98	40.8
Stormwater Management Facility:	28,142	s.f.	0.65	ac.	100	64.6
Open Area (Good, Type 'A' Soil):	620,800	s.f.	14.25	ac.	39	555.8

Composite CN: **43**

Time of Concentration: 17 minutes

Note: The stormwater management area was considered to have an CN value of 100

Post-Development Watershed #3A:

Total Area:	108,481	s.f.	2.49	ac.	CN	CN * Area
Impervious Area:	0	s.f.	0.00	ac.	98	0.0
Stormwater Management Facility:	0	s.f.	0.00	ac.	100	0.0
Open Area (Good, Type 'A' Soil):	108,481	s.f.	2.49	ac.	39	97.1

Composite CN: **39**

Time of Concentration: 6 minutes

(Time assumed to be 6 minutes)

Post-Development Watershed #3B (SMF-2):

Total Area:	88,806	s.f.	2.04	ac.	CN	CN * Area
Impervious Area:	20,850	s.f.	0.48	ac.	98	46.9
Stormwater Management Facility:	3,465	s.f.	0.08	ac.	100	8.0
Open Area (Good, Type 'A' Soil):	64,491	s.f.	1.48	ac.	39	57.7

Composite CN: **55**

Time of Concentration: 6 minutes

(Time assumed to be 6 minutes)

Note: The stormwater management area was considered to have an CN value of 100

Post-Development Watershed #3C (SMF-3):

Total Area:	497,185	s.f.	11.41	ac.	CN	CN * Area
Impervious Area:	153,061	s.f.	3.51	ac.	98	344.4
Stormwater Management Facility:	34,045	s.f.	0.78	ac.	100	78.2
Open Area (Good, Type 'A' Soil):	310,079	s.f.	7.12	ac.	39	277.6

Composite CN: **61**

Time of Concentration: 6 minutes

(Time assumed to be 6 minutes)

Note: The stormwater management area was considered to have an CN value of 100

WQTV CALCULATIONS

SMF-1 (Dry Retention):

SRWMD

Minimum treatment volume shall be the runoff from the first 1.0 inches of rainfall from the design storm

$$\begin{aligned} C &= 0.40 \\ i \text{ (inches)} &= 1.0 \\ *A \text{ (ac.)} &= 16.97 \\ \mathbf{Q \text{ (cf)}} &= \mathbf{24,643} \end{aligned}$$

Runoff Coefficient Calculation

	Area (ac.)	Coeff. C	C x A
Impervious Area	3.12	0.95	2.96
Open Space Area	13.10	0.20	2.62
Pond Area	0.75	1.00	0.75
Total	16.97		6.34
		C =	0.37

COA

Minimum treatment volume shall be the runoff from the first 0.5 inches of runoff from the drainage area

$$\begin{aligned} \text{WQTV (cf)} &= (0.5\text{in}/12\text{in/hr}) * (17.18\text{ac}) * (43560\text{sf/ac}) \\ \mathbf{\text{WQTV (cf)}} &= \mathbf{30,803} \end{aligned}$$

SMF-2 and 3 (Dry Retention):

SRWMD

Minimum treatment volume shall be the runoff from the first 1.0 inches of rainfall from the design storm

$$\begin{aligned} C &= 0.43 \\ i \text{ (inches)} &= 1.0 \\ *A \text{ (ac.)} &= 17.35 \\ \mathbf{Q \text{ (cf)}} &= \mathbf{27,150} \end{aligned}$$

*Note WQT for Post WSHD 3B is provided in SMF-3

Runoff Coefficient Calculation

	Area (ac.)	Coeff. C	C x A
Impervious Area	3.99	0.95	3.79
Open Space Area	11.09	0.20	2.22
Pond Area	0.86	1.00	0.86
Total	15.94		6.87
		C =	0.43

COA

Minimum treatment volume shall be the runoff from the first 0.5 inches of runoff from the drainage area

$$\begin{aligned} \text{WQTV (cf)} &= (0.5\text{in}/12\text{in/hr}) * (15.02\text{ac}) * (43560\text{sf/ac}) \\ \mathbf{\text{WQTV (cf)}} &= \mathbf{28,936} \end{aligned}$$

SMF-4 (Dry Retention):

SRWMD

Minimum treatment volume shall be the runoff from the first 1.0 inches of rainfall from the design storm

$$\begin{aligned} C &= 0.25 \\ i \text{ (inches)} &= 1.0 \\ *A \text{ (ac.)} &= 15.31 \\ \mathbf{Q \text{ (cf)}} &= \mathbf{14,126} \end{aligned}$$

Runoff Coefficient Calculation

	Area (ac.)	Coeff. C	C x A
Impervious Area	0.42	0.95	0.40
Open Space Area	14.25	0.20	2.85
Pond Area	0.65	1.00	0.65
Total	15.31		3.89
		C =	0.25

COA

Minimum treatment volume shall be the runoff from the first 0.5 inches of runoff from the drainage area

$$\begin{aligned} \text{WQTV (cf)} &= (0.5\text{in}/12\text{in/hr}) * (14.72\text{ac}) * (43560\text{sf/ac}) \\ \mathbf{\text{WQTV (cf)}} &= \mathbf{27,794} \end{aligned}$$

Tc CALCULATIONS:

WATERSHED	SHEET FLOW				SHALLOW CONCENTRATED FLOW						CHANNEL / PIPE FLOW								TOTAL TIME OF CONCENTRATION		
	Manning's n (--)	Flow Length L (ft)	2-Year 24-Hour Rain, P2 (in)	Land Slope s (ft/ft)	Tt1 (hr)	Paved or Unpvd. (P or U)	Flow Length L (ft)	Water-course Slope, s (ft/ft)	Avg. Velocity V (ft/s)	Tt2 (hr)	Cross-Section Area, a (ft^2)	Wetted Perim. Pw (ft)	Hydraulic Radius r (ft)	Pipe Slope s (ft/ft)	Manning n (--)	Avg. Velocity V (ft/s)	Flow Length L (ft)	Tt3 (hr)	ID #	Tc (hr)	Tc (min)
PRE-1/POST-1	0.24	100	4.5	0.037	0.16	U	2280	0.037	3.90	0.16	-	-	-	-	-	-	-	-	PRE-1/POST-1	0.32	19
PRE-2	0.24	100	4.5	0.053	0.14	U	1330	0.054	3.90	0.09	-	-	-	-	-	-	-	-	PRE-2	0.23	14
PRE-3	0.24	100	4.5	0.053	0.14	U	1429	0.050	5.90	0.07	-	-	-	-	-	-	-	-	PRE-3	0.20	12
POST-2B	0.24	100	4.5	0.033	0.16	U	173	0.083	3.90	0.01	45.000	27.74	1.622	0.03159	0.15	2.44	983	0.11	POST-2B	0.29	17

TIME OF CONCENTRATION VALUES DETERMINED USING TR-55 METHODOLOGY.

SHEET FLOW:

$$Tt = \frac{0.007 (nL)^{0.8}}{(P2)^{0.5} s^{0.4}}$$

SHALLOW CONCENTRATED FLOW:

1. For slopes < 0.005 ft/ft

Unpaved $V = 16.1345 s^{0.5}$

Paved $V = 20.3282 s^{0.5}$

2. For slopes > 0.005 ft/ft

Velocity per Figure 3-1, TR-55

$$Tt = \frac{L}{3600 V}$$

CHANNEL/PIPE FLOW:

$$V = \frac{1.49 r^{2/3} s^{1/2}}{n}$$

$$Tt = \frac{L}{3600 V}$$

STAGE-STORAGE CALCULATIONS:

Post-Development SMF-1: Dry Retention Pond					
ELEV. (FT)	AREA (SF)	AREA (AC)	VOLUME (CF)	VOLUME (AC-FT)	
90.00	35,861	0.823	0	0.000	<-- Bottom of Pond
90.87	38,548	0.885	32,368	0.743	<--WQTV
91.00	38,949	0.894	37,405	0.859	
92.00	42,138	0.967	77,949	1.789	
93.00	45,427	1.043	121,731	2.795	
93.63	47,562	1.092	151,023	3.467	
94.00	48,816	1.121	168,853	3.876	
95.00	52,308	1.201	219,415	5.037	
96.00	55,899	1.283	273,518	6.279	
96.50	60,715	1.394	302,672	6.948	<-- Top of Pond

Total Storage Volume: 302,672 cf

Half Storage Volume: 151,336 cf

Half Volume El.: 93.63 ft

WQTV: 30,803 cf

WQTV El.: 90.87 ft

STAGE-STORAGE CALCULATIONS:

Post-Development SMF-2: Dry Retention Pond					
ELEV. (FT)	AREA (SF)	AREA (AC)	VOLUME (CF)	VOLUME (AC-FT)	
111.00	3,465	0.080	0	0.000	<-- Bottom of Pond
112.00	4,779	0.110	4,122	0.095	
113.00	6,194	0.142	9,609	0.221	
113.45	6,876	0.158	12,549	0.288	
114.00	7,710	0.177	16,561	0.380	
115.00	9,328	0.214	25,080	0.576	<-- Top of Pond

Total Storage Volume: 25,080 cf
 Half Storage Volume: 12,540 cf
 Half Volume El.: 113.27 ft

STAGE-STORAGE CALCULATIONS:

Post-Development SMF-3: Dry Retention Pond					
ELEV. (FT)	AREA (SF)	AREA (AC)	VOLUME (CF)	VOLUME (AC-FT)	
88.00	34,045	0.782	0	0.000	<-- Bottom of Pond
88.81	36,660	0.842	28,636	0.657	<-- WQTV
89.00	37,274	0.856	35,660	0.819	
90.00	40,612	0.932	74,603	1.713	
91.49	45,747	1.050	138,940	3.190	
91.00	44,058	1.011	116,938	2.685	
92.00	47,005	1.079	162,469	3.730	
92.50	52,464	1.204	187,336	4.301	<-- Top of Pond

Total Storage Volume: 187,336 cf
Half Storage Volume: 93,668 cf
Half Volume EL.: 90.36 ft

WQTV: 28,936 cf
WQTV EL.: 88.81 ft

STAGE-STORAGE CALCULATIONS:

Post-Development SMF-4: Dry Retention Pond					
ELEV. (FT)	AREA (SF)	AREA (AC)	VOLUME (CF)	VOLUME (AC-FT)	
89.00	28,142	0.646	0	0.000	<-- Bottom of Pond
90.00	32,330	0.742	30,236	0.694	
91.00	36,620	0.841	64,711	1.486	
92.00	41,009	0.941	103,526	2.377	
93.00	45,499	1.045	146,780	3.370	
94.00	50,090	1.150	194,574	4.467	
95.00	54,781	1.258	247,010	5.671	<-- Top of Pond

Total Storage Volume: 247,010 cf
Half Storage Volume: 123,505 cf
Half Volume El.: 92.27 ft

WQTV: 27,794 cf
WQTV El.: 89.88 ft

Project No. 17-0373 Legacy Park Phase 2A - Pipe Sizing Calculations

SMF-1

Structure No.		Invert Elev.		Length (ft)	Slope (ft/foot)	Dia. (in)	C	i (in/hr)	A (ac)	Q (cfs) Actual		Q Full (cfs)	Pipe A (sq-ft)	V - Full Flow (fps)	Pipe R (ft)	Minor Loss Coeff.	Minor Loss (ft)	Loss (ft)	HGL		ToG/ EoP	F.B. (in)	Manning's n
From	To	U.S.	D.S.							Inc	Cumul								U.S.	D.S.			
S-41	S-42	107.69	107.00	69	0.0100	18.0	0.88	6.10	0.31	1.64	1.64	11.38	1.77	6.44	0.38	1.00	0.013	0.014	101.50	101.47	114.34	154.14	0.012
S-42	S-34	107.00	104.95	205	0.0100	18.0	0.88	6.10	0.28	1.49	3.13	11.38	1.77	6.44	0.38	1.00	0.049	0.154	101.47	101.26	112.08	127.35	0.012
S-33	S-34	117.38	116.00	69	0.0200	18.0	0.88	6.10	0.24	1.30	1.30	16.09	1.77	9.11	0.38	1.00	0.008	0.009	101.28	101.26	124.00	272.61	0.012
S-34	S-35	104.95	102.00	267	0.0110	18.0	0.88	6.10	0.25	1.35	5.79	11.96	1.77	6.77	0.38	1.00	0.167	0.687	101.26	100.41	120.67	232.86	0.012
S-39	S-35	103.00	101.00	198	0.0101	12.0	0.15	6.10	1.36	1.24	1.24	3.88	0.79	4.94	0.25	1.00	0.039	0.203	100.65	100.41	107.17	78.20	0.012
S-35	S-36	101.00	98.14	286	0.0100	18.0	0.19	6.10	2.41	2.79	9.82	11.38	1.77	6.44	0.38	1.00	0.479	2.118	100.41	97.81	107.23	81.82	0.012
S-40	S-36	100.13	98.14	199	0.0100	12.0	0.15	6.10	1.39	1.27	1.27	3.86	0.79	4.91	0.25	1.00	0.041	0.216	98.07	97.81	107.10	108.35	0.012
S-36	S-37	98.14	95.27	288	0.0100	24.0	0.19	6.10	2.47	2.86	13.96	24.47	3.14	7.79	0.50	1.00	0.306	0.929	97.81	96.58	107.27	113.48	0.012
S-37	S-38	95.27	90.00	210	0.0251	24.0	0.19	6.10	0.80	0.92	14.88	38.82	3.14	12.36	0.50	1.00	0.348	0.770	96.58	95.46	112.32	188.90	0.012
S-32	S-28	89.54	89.41	77	0.0017	18.0	0.19	6.10	0.00	1.43	1.43	4.68	1.77	2.65	0.38	1.00	0.010	0.012	90.93	90.91	96.00	60.81	0.012
S-52	S-53	90.00	89.65	37	0.0094	18.0	0.19	6.10	0.00	4.37	4.37	11.00	1.77	6.23	0.38	1.00	0.095	0.054	91.30	91.15	94.80	42.01	0.012

SMF-3

Structure No.		Invert Elev.		Length (ft)	Slope (ft/foot)	Dia. (in)	C	i (in/hr)	A (ac)	Q (cfs) Actual		Q Full (cfs)	Pipe A (sq-ft)	V - Full Flow (fps)	Pipe R (ft)	Minor Loss Coeff.	Minor Loss (ft)	Loss (ft)	HGL		ToG/ EoP	F.B. (in)	Manning's n
From	To	U.S.	D.S.							Inc	Cumul								U.S.	D.S.			
S-43	S-44	104.50	103.81	69	0.0100	18.0	0.88	6.10	0.22	1.15	1.15	11.38	1.77	6.44	0.38	1.00	0.007	0.007	91.50	91.49	109.56	216.67	0.012
S-44	S-45	103.31	88.00	187	0.0819	24.0	0.88	6.10	0.21	1.12	2.27	70.12	3.14	22.32	0.50	0.50	0.004	0.016	91.49	91.47	108.00	198.12	0.012
S-47	S-48	103.79	88.00	156	0.1012	12.0	0.15	6.10	0.60	0.55	0.55	12.28	0.79	15.63	0.25	0.50	0.004	0.032	91.51	91.47	108.88	208.49	0.012
S-51	S-20	103.00	102.76	24	0.0100	12.0	0.50	6.10	0.35	1.08	1.08	3.86	0.79	4.91	0.25	0.50	0.015	0.019	103.79	103.76	107.40	43.28	0.012
S-24	S-23	87.75	83.00	60	0.0792	18.0	0.15	6.10	0.00	6.01	6.01	32.02	1.77	18.12	0.38	0.50	0.090	0.166	84.76	84.50	91.50	80.92	0.012

SMF-4

Structure No.		Invert Elev.		Length (ft)	Slope (ft/foot)	Dia. (in)	C	i (in/hr)	A (ac)	Q (cfs) Actual		Q Full (cfs)	Pipe A (sq-ft)	V - Full Flow (fps)	Pipe R (ft)	Minor Loss Coeff.	Minor Loss (ft)	Loss (ft)	HGL		ToG/ EoP	F.B. (in)	Manning's n
From	To	U.S.	D.S.							Inc	Cumul								U.S.	D.S.			
S-1	S-46	90.48	89.00	73	0.0203	24.0	0.30	6.10	0.39	0.72	0.72	34.90	3.14	11.11	0.50	1.00	0.001	0.001	93.76	93.76	96.00	26.86	0.012
S-49	S-50	87.41	86.00	84	0.0168	18.0	-	6.10	-	3.49	3.49	14.74	1.77	8.34	0.38	1.00	0.061	0.079	87.64	87.50	94.00	76.33	0.012

Notes

1. ToG = Top of Grate/EoP = Edge of Pavement
2. FB= Free Board, CC = Concrete Collar
3. Rainfall intensity is based on the FDOT Zone 5 Rainfall Intensity-Duration-Frequency curve for the 3 YEAR - 10 MIN storm event (6.1 inches/hr)
4. The tailwater condition was set at the peak stage for 100 YR -240HR storm event per SRVMD or the crown of pipe for pipes not discharging to a proposed SMF.

Section 1

Pre- and Post-Development Results

Project: 17-0373 Legacy Park - Phase 2
Routing Network

Nodes

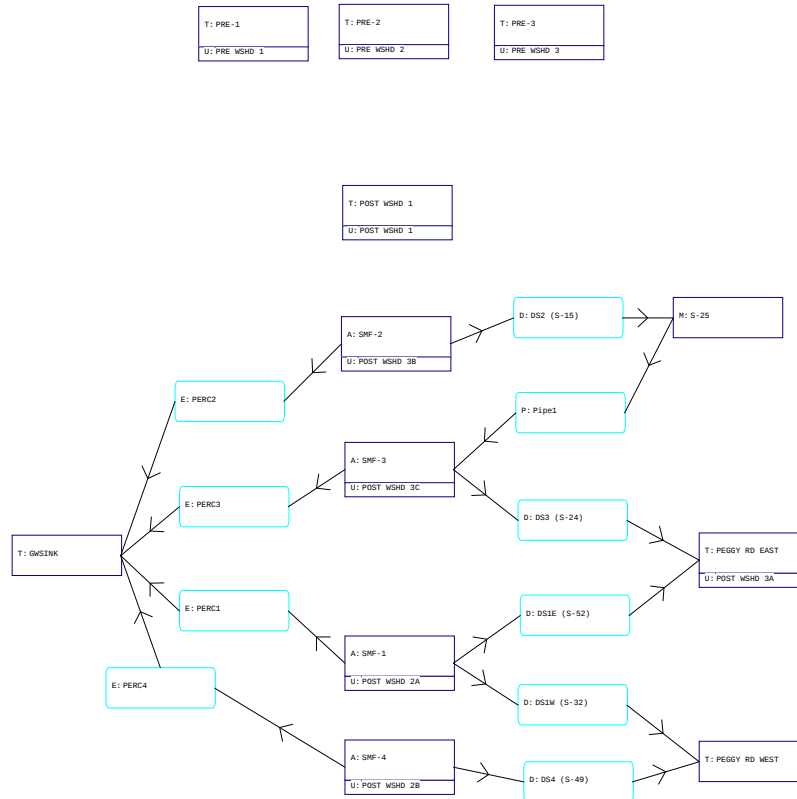
A Stage/Area
V Stage/Volume
T Time/Stage
M Manhole

Basins

O Overland Flow
U SCS Unit CN
S SBUH CN
Y SCS Unit GA
Z SBUH GA

Links

P Pipe
W Weir
C Channel
D Drop Structure
B Bridge
R Rating Curve
H Breach
E Percolation
F Filter
X Exfil Trench



Project: 17-0373 Legacy Park - Phase 2
Inputs

=====
Basins
=====

Name: POST WSHD 1 Node: POST WSHD 1 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh484	Peaking Factor: 484.0
Rainfall File:	Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000	Time of Conc(min): 19.00
Area(ac): 76.620	Time Shift(hrs): 0.00
Curve Number: 48.00	Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00	

Name: POST WSHD 2A Node: SMF-1 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh484	Peaking Factor: 484.0
Rainfall File:	Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000	Time of Conc(min): 6.00
Area(ac): 16.970	Time Shift(hrs): 0.00
Curve Number: 53.00	Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00	

Name: POST WSHD 2B Node: SMF-4 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh484	Peaking Factor: 484.0
Rainfall File:	Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000	Time of Conc(min): 19.00
Area(ac): 15.310	Time Shift(hrs): 0.00
Curve Number: 43.00	Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00	

Name: POST WSHD 3A Node: PEGGY RD EAST Status: Onsite
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh484	Peaking Factor: 484.0
Rainfall File:	Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000	Time of Conc(min): 6.00
Area(ac): 2.490	Time Shift(hrs): 0.00
Curve Number: 39.00	Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00	

Name: POST WSHD 3B Node: SMF-2 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh484	Peaking Factor: 484.0
Rainfall File:	Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000	Time of Conc(min): 6.00
Area(ac): 2.040	Time Shift(hrs): 0.00
Curve Number: 55.00	Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00	

Name: POST WSHD 3C Node: SMF-3 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh484	Peaking Factor: 484.0
Rainfall File:	Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000	Time of Conc(min): 6.00

Project: 17-0373 Legacy Park - Phase 2
Inputs

Area(ac): 11.410 Time Shift(hrs): 0.00
Curve Number: 61.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: PRE WSHD 1 Node: PRE-1 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh484 Peaking Factor: 484.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 19.00
Area(ac): 80.460 Time Shift(hrs): 0.00
Curve Number: 47.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: PRE WSHD 2 Node: PRE-2 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh484 Peaking Factor: 484.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 14.00
Area(ac): 12.790 Time Shift(hrs): 0.00
Curve Number: 39.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: PRE WSHD 3 Node: Pre-3 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh484 Peaking Factor: 484.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 12.00
Area(ac): 30.290 Time Shift(hrs): 0.00
Curve Number: 39.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

=====
Nodes
=====

Name: GWSINK Base Flow(cfs): 0.000 Init Stage(ft): 0.000
Group: BASE Warn Stage(ft): 1.000
Type: Time/Stage

Time(hrs)	Stage(ft)
0.00	0.000
9999.00	0.000

Name: PEGGY RD EAST Base Flow(cfs): 0.000 Init Stage(ft): 0.000
Group: BASE Warn Stage(ft): 1.000
Type: Time/Stage

Time(hrs)	Stage(ft)
0.00	0.000
9999.00	0.000

Name: PEGGY RD WEST Base Flow(cfs): 0.000 Init Stage(ft): 0.000
Group: BASE Warn Stage(ft): 0.000
Type: Time/Stage

Project: 17-0373 Legacy Park - Phase 2
Inputs

Time(hrs)	Stage(ft)
0.00	0.000
9999.00	0.000

Name: POST WSHD 1	Base Flow(cfs): 0.000	Init Stage(ft): 0.000
Group: BASE		Warn Stage(ft): 0.000
Type: Time/Stage		

Time(hrs)	Stage(ft)
0.00	0.000
9999.00	0.000

Name: PRE-1	Base Flow(cfs): 0.000	Init Stage(ft): 0.000
Group: BASE		Warn Stage(ft): 0.000
Type: Time/Stage		

Time(hrs)	Stage(ft)
0.00	0.000
9999.00	0.000

Name: PRE-2	Base Flow(cfs): 0.000	Init Stage(ft): 0.000
Group: BASE		Warn Stage(ft): 0.000
Type: Time/Stage		

Time(hrs)	Stage(ft)
0.00	0.000
9999.00	0.000

Name: PRE-3	Base Flow(cfs): 0.000	Init Stage(ft): 0.000
Group: BASE		Warn Stage(ft): 0.000
Type: Time/Stage		

Time(hrs)	Stage(ft)
0.00	0.000
9999.00	0.000

Name: S-25	Base Flow(cfs): 0.000	Init Stage(ft): 107.640
Group: BASE	Plunge Factor: 1.00	Warn Stage(ft): 116.310
Type: Manhole, 1 Diameter Grooved w/Top		

Stage(ft)	Area(ac)
107.640	0.0009
116.310	0.0009

Name: SMF-1	Base Flow(cfs): 0.000	Init Stage(ft): 90.000
Group: BASE		Warn Stage(ft): 95.500
Type: Stage/Area		

Stage(ft)	Area(ac)
-----------	----------

Project: 17-0373 Legacy Park - Phase 2
Inputs

```

-----
90.000      0.8230
91.000      0.8940
92.000      0.9670
93.000      1.0430
94.000      1.1210
95.000      1.2010
96.000      1.2830
96.500      1.3940

```

```

-----
Name: SMF-2          Base Flow(cfs): 0.000      Init Stage(ft): 111.000
Group: BASE          Warn Stage(ft): 114.500
Type: Stage/Area

```

```

-----
Stage(ft)      Area(ac)
-----
111.000        0.0800
112.000        0.1100
113.000        0.1420
114.000        0.1770
115.000        0.2140

```

```

-----
Name: SMF-3          Base Flow(cfs): 0.000      Init Stage(ft): 88.000
Group: BASE          Warn Stage(ft): 91.500
Type: Stage/Area

```

```

-----
Stage(ft)      Area(ac)
-----
88.000         0.7820
89.000         0.8560
90.000         0.9320
91.000         1.0110
92.000         1.0790
92.500         1.2040

```

```

-----
Name: SMF-4          Base Flow(cfs): 0.000      Init Stage(ft): 89.000
Group: BASE          Warn Stage(ft): 94.000
Type: Stage/Area

```

```

-----
Stage(ft)      Area(ac)
-----
89.000         0.6460
90.000         0.7420
91.000         0.8410
92.000         0.9410
93.000         1.0450
94.000         1.1500
95.000         1.2580

```

```

=====
=== Pipes =====
=====

```

```

Name: Pipe1          From Node: S-25          Length(ft): 470.00
Group: BASE          To Node: SMF-3            Count: 1
                                         Friction Equation: Automatic
                                         Solution Algorithm: Most Restrictive
                                         Flow: Both
Geometry: Circular   DOWNSTREAM
Span(in): 24.00      Circular
Rise(in): 24.00      24.00
Invert(ft): 107.640  88.000
Manning's N: 0.012000 0.012000
Top Clip(in): 0.000  0.000
Bot Clip(in): 0.000  0.000
Entrance Loss Coef: 0.00
Exit Loss Coef: 1.00
Bend Loss Coef: 0.00
Outlet Ctrl Spec: Use dc or tw
Inlet Ctrl Spec: Use dc
Stabilizer Option: None

```

Project: 17-0373 Legacy Park - Phase 2
Inputs

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

==== Drop Structures =====

Name: DS1E (S-52) From Node: SMF-1 Length(ft): 37.00
Group: BASE To Node: PEGGY RD EAST Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 18.00	18.00	Flow: Both
Rise(in): 18.00	18.00	Entrance Loss Coef: 0.000
Invert(ft): 90.000	89.650	Exit Loss Coef: 1.000
Manning's N: 0.012000	0.012000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

*** Weir 1 of 2 for Drop Structure DS1E (S-52) ***

Count: 1	Bottom Clip(in): 0.000
Type: Vertical: Mavis	Top Clip(in): 0.000
Flow: Both	Weir Disc Coef: 3.200
Geometry: Rectangular	Orifice Disc Coef: 0.600
Span(in): 24.00	Invert(ft): 94.800
Rise(in): 12.00	Control Elev(ft): 94.800

TABLE

*** Weir 2 of 2 for Drop Structure DS1E (S-52) ***

Count: 1	Bottom Clip(in): 0.000
Type: Vertical: Mavis	Top Clip(in): 0.000
Flow: Both	Weir Disc Coef: 3.200
Geometry: Circular	Orifice Disc Coef: 0.600
Span(in): 6.00	Invert(ft): 92.000
Rise(in): 6.00	Control Elev(ft): 92.000

TABLE

Name: DS1W (S-32) From Node: SMF-1 Length(ft): 77.00
Group: BASE To Node: PEGGY RD WEST Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 18.00	18.00	Flow: Both
Rise(in): 18.00	18.00	Entrance Loss Coef: 0.000
Invert(ft): 89.540	86.470	Exit Loss Coef: 1.000
Manning's N: 0.012000	0.012000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

*** Weir 1 of 3 for Drop Structure DS1W (S-32) ***

TABLE

Project: 17-0373 Legacy Park - Phase 2
Inputs

Count: 1	Bottom Clip(in): 0.000
Type: Horizontal	Top Clip(in): 0.000
Flow: Both	Weir Disc Coef: 3.200
Geometry: Rectangular	Orifice Disc Coef: 0.600
Span(in): 24.00	Invert(ft): 96.000
Rise(in): 37.00	Control Elev(ft): 96.000

*** Weir 2 of 3 for Drop Structure DS1W (S-32) ***

TABLE

Count: 1	Bottom Clip(in): 0.000
Type: Vertical: Mavis	Top Clip(in): 0.000
Flow: Both	Weir Disc Coef: 3.200
Geometry: Rectangular	Orifice Disc Coef: 0.600
Span(in): 18.00	Invert(ft): 95.000
Rise(in): 12.00	Control Elev(ft): 95.000

*** Weir 3 of 3 for Drop Structure DS1W (S-32) ***

TABLE

Count: 1	Bottom Clip(in): 0.000
Type: Vertical: Mavis	Top Clip(in): 0.000
Flow: Both	Weir Disc Coef: 3.200
Geometry: Circular	Orifice Disc Coef: 0.600
Span(in): 4.00	Invert(ft): 92.500
Rise(in): 4.00	Control Elev(ft): 92.500

Name: DS2 (S-15)	From Node: SMF-2	Length(ft): 98.00
Group: BASE	To Node: S-25	Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 15.00	15.00	Flow: Both
Rise(in): 15.00	15.00	Entrance Loss Coef: 0.000
Invert(ft): 108.630	107.650	Exit Loss Coef: 1.000
Manning's N: 0.012000	0.012000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

*** Weir 1 of 2 for Drop Structure DS2 (S-15) ***

TABLE

Count: 1	Bottom Clip(in): 0.000
Type: Vertical: Mavis	Top Clip(in): 0.000
Flow: Both	Weir Disc Coef: 3.200
Geometry: Circular	Orifice Disc Coef: 0.600
Span(in): 4.75	Invert(ft): 111.000
Rise(in): 4.75	Control Elev(ft): 111.000

*** Weir 2 of 2 for Drop Structure DS2 (S-15) ***

TABLE

Count: 1	Bottom Clip(in): 0.000
Type: Horizontal	Top Clip(in): 0.000
Flow: Both	Weir Disc Coef: 3.200
Geometry: Rectangular	Orifice Disc Coef: 0.600
Span(in): 37.00	Invert(ft): 113.500
Rise(in): 24.00	Control Elev(ft): 113.500

Name: DS3 (S-24)	From Node: SMF-3	Length(ft): 60.00
Group: BASE	To Node: PEGGY RD EAST	Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
----------	------------	------------------------------

Project: 17-0373 Legacy Park - Phase 2
Inputs

Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 18.00	18.00	Flow: Both
Rise(in): 18.00	18.00	Entrance Loss Coef: 0.000
Invert(ft): 87.750	83.000	Exit Loss Coef: 1.000
Manning's N: 0.012000	0.012000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

*** Weir 1 of 3 for Drop Structure DS3 (S-24) ***

TABLE

Count: 1	Bottom Clip(in): 0.000
Type: Vertical: Mavis	Top Clip(in): 0.000
Flow: Both	Weir Disc Coef: 3.200
Geometry: Circular	Orifice Disc Coef: 0.600
Span(in): 7.50	Invert(ft): 88.850
Rise(in): 7.50	Control Elev(ft): 88.850

*** Weir 2 of 3 for Drop Structure DS3 (S-24) ***

TABLE

Count: 1	Bottom Clip(in): 0.000
Type: Horizontal	Top Clip(in): 0.000
Flow: Both	Weir Disc Coef: 3.200
Geometry: Rectangular	Orifice Disc Coef: 0.600
Span(in): 37.00	Invert(ft): 91.500
Rise(in): 24.00	Control Elev(ft): 91.500

*** Weir 3 of 3 for Drop Structure DS3 (S-24) ***

TABLE

Count: 1	Bottom Clip(in): 0.000
Type: Vertical: Mavis	Top Clip(in): 0.000
Flow: Both	Weir Disc Coef: 3.200
Geometry: Rectangular	Orifice Disc Coef: 0.600
Span(in): 18.00	Invert(ft): 90.500
Rise(in): 12.00	Control Elev(ft): 90.500

Name: DS4 (S-49)	From Node: SMF-4	Length(ft): 79.00
Group: BASE	To Node: PEGGY RD WEST	Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 18.00	18.00	Flow: Both
Rise(in): 18.00	18.00	Entrance Loss Coef: 0.000
Invert(ft): 87.410	86.000	Exit Loss Coef: 1.000
Manning's N: 0.012000	0.012000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

*** Weir 1 of 3 for Drop Structure DS4 (S-49) ***

TABLE

Count: 1	Bottom Clip(in): 0.000
Type: Vertical: Mavis	Top Clip(in): 0.000
Flow: Both	Weir Disc Coef: 3.200
Geometry: Circular	Orifice Disc Coef: 0.600
Span(in): 4.00	Invert(ft): 90.000

Project: 17-0373 Legacy Park - Phase 2
Inputs

Rise(in): 4.00 Control Elev(ft): 90.000

*** Weir 2 of 3 for Drop Structure DS4 (S-49) ***

TABLE

Count: 1 Bottom Clip(in): 0.000
Type: Vertical: Mavis Top Clip(in): 0.000
Flow: Both Weir Disc Coef: 3.200
Geometry: Rectangular Orifice Disc Coef: 0.600

Span(in): 15.00 Invert(ft): 93.750
Rise(in): 3.00 Control Elev(ft): 93.750

*** Weir 3 of 3 for Drop Structure DS4 (S-49) ***

TABLE

Count: 1 Bottom Clip(in): 0.000
Type: Horizontal Top Clip(in): 0.000
Flow: Both Weir Disc Coef: 3.200
Geometry: Rectangular Orifice Disc Coef: 0.600

Span(in): 37.00 Invert(ft): 94.000
Rise(in): 24.00 Control Elev(ft): 94.000

==== Weirs =====

Name: From Node:
Group: BASE To Node:
Flow: Both Count: 1
Type: Horizontal Geometry: Circular

Span(in): 0.00
Rise(in): 0.00
Invert(ft): 0.000
Control Elevation(ft): 0.000

TABLE

Bottom Clip(in): 0.000
Top Clip(in): 0.000
Weir Discharge Coef: 3.200
Orifice Discharge Coef: 0.600

==== Percolation Links =====

Name: PERC1 From Node: SMF-1 Flow: Both
Group: BASE To Node: GWSINK Count: 1

Surface Area Option: Vary based on Stage/Area Table
Vertical Flow Termination: Horizontal Flow Algorithm

Aquifer Base Elev(ft): 81.000 Perimeter 1(ft): 917.000
Water Table Elev(ft): 81.500 Perimeter 2(ft): 1231.000
*****0.000 Perimeter 3(ft): 2431.000
Horiz Conductivity(ft/day): 10.000 Distance 1 to 2(ft): 50.000
Vert Conductivity(ft/day): 7.000 Distance 2 to 3(ft): 450.000
Effective Porosity(dec): 0.250 Num Cells 1 to 2: 10
Suction Head(in): 4.170 Num Cells 2 to 3: 45
Layer Thickness(ft): 8.500

Name: PERC2 From Node: SMF-2 Flow: Both
Group: BASE To Node: GWSINK Count: 1

Surface Area Option: Vary based on Stage/Area Table
Vertical Flow Termination: Horizontal Flow Algorithm

Aquifer Base Elev(ft): 108.000 Perimeter 1(ft): 413.000
Water Table Elev(ft): 109.000 Perimeter 2(ft): 741.000
*****0.000 Perimeter 3(ft): 2244.000
Horiz Conductivity(ft/day): 0.500 Distance 1 to 2(ft): 50.000
Vert Conductivity(ft/day): 0.250 Distance 2 to 3(ft): 450.000

Project: 17-0373 Legacy Park - Phase 2
Inputs

Effective Porosity(dec): 0.200 Num Cells 1 to 2: 10
Suction Head(in): 17.680 Num Cells 2 to 3: 45
Layer Thickness(ft): 2.000

overexcavation to elevation of 108 in order to lower water table.

Name: PERC3 From Node: SMF-3 Flow: Both
Group: BASE To Node: GWSINK Count: 1

Surface Area Option: Vary based on Stage/Area Table
Vertical Flow Termination: Horizontal Flow Algorithm
Aquifer Base Elev(ft): 82.500 Perimeter 1(ft): 828.000
Water Table Elev(ft): 83.000 Perimeter 2(ft): 1142.000
*****0.000 Perimeter 3(ft): 2818.000
Horiz Conductivity(ft/day): 8.500 Distance 1 to 2(ft): 50.000
Vert Conductivity(ft/day): 5.500 Distance 2 to 3(ft): 450.000
Effective Porosity(dec): 0.200 Num Cells 1 to 2: 10
Suction Head(in): 4.170 Num Cells 2 to 3: 45
Layer Thickness(ft): 5.000

Name: PERC4 From Node: SMF-4 Flow: Both
Group: BASE To Node: GWSINK Count: 1

Surface Area Option: Vary based on Stage/Area Table
Vertical Flow Termination: Horizontal Flow Algorithm
Aquifer Base Elev(ft): 80.000 Perimeter 1(ft): 1185.000
Water Table Elev(ft): 80.000 Perimeter 2(ft): 1500.000
*****0.000 Perimeter 3(ft): 2886.000
Horiz Conductivity(ft/day): 6.500 Distance 1 to 2(ft): 50.000
Vert Conductivity(ft/day): 4.250 Distance 2 to 3(ft): 450.000
Effective Porosity(dec): 0.250 Num Cells 1 to 2: 10
Suction Head(in): 4.170 Num Cells 2 to 3: 45
Layer Thickness(ft): 10.000

=====
=== Hydrology Simulations ===
=====

Name: 100Y_001HR
Filename: L:\2017\17-0373\Engineering\Drainage\2_Calculations\ICPR\100Y_001HR.R32

Override Defaults: Yes
Storm Duration(hrs): 1.00
Rainfall File: Fdot-1
Rainfall Amount(in): 4.40

Time(hrs) Print Inc(min)

30.000 5.00

Name: 100Y_002HR
Filename: L:\2017\17-0373\Engineering\Drainage\2_Calculations\ICPR\100Y_002HR.R32

Override Defaults: Yes
Storm Duration(hrs): 2.00
Rainfall File: Fdot-2
Rainfall Amount(in): 5.40

Time(hrs) Print Inc(min)

30.000 5.00

Name: 100Y_004HR
Filename: L:\2017\17-0373\Engineering\Drainage\2_Calculations\ICPR\100Y_004HR.R32

Project: 17-0373 Legacy Park - Phase 2
Inputs

Override Defaults: Yes
Storm Duration(hrs): 4.00
Rainfall File: Fdot-4
Rainfall Amount(in): 6.72

Time(hrs)	Print Inc(min)
30.000	5.00

Name: 100Y_008HR
Filename: L:\2017\17-0373\Engineering\Drainage\2_Calculations\ICPR\100Y_008HR.R32

Override Defaults: Yes
Storm Duration(hrs): 8.00
Rainfall File: Fdot-8
Rainfall Amount(in): 8.00

Time(hrs)	Print Inc(min)
30.000	5.00

Name: 100Y_024HR
Filename: L:\2017\17-0373\Engineering\Drainage\2_Calculations\ICPR\100Y_024HR.R32

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: Fdot-24
Rainfall Amount(in): 11.04

Time(hrs)	Print Inc(min)
30.000	5.00

Name: 100Y_072HR
Filename: L:\2017\17-0373\Engineering\Drainage\2_Calculations\ICPR\100Y_072HR.R32

Override Defaults: Yes
Storm Duration(hrs): 72.00
Rainfall File: Fdot-72
Rainfall Amount(in): 13.80

Time(hrs)	Print Inc(min)
80.000	5.00

Name: 100Y_168HR
Filename: L:\2017\17-0373\Engineering\Drainage\2_Calculations\ICPR\100Y_168HR.R32

Override Defaults: Yes
Storm Duration(hrs): 168.00
Rainfall File: Fdot-168
Rainfall Amount(in): 16.00

Time(hrs)	Print Inc(min)
180.000	5.00

Name: 100Y_240HR
Filename: L:\2017\17-0373\Engineering\Drainage\2_Calculations\ICPR\100Y_240HR.R32

Override Defaults: Yes
Storm Duration(hrs): 240.00
Rainfall File: Fdot-240
Rainfall Amount(in): 18.00

Time(hrs)	Print Inc(min)
260.000	5.00

==== Routing Simulations =====

Project: 17-0373 Legacy Park - Phase 2
Inputs

=====

Name: 100YR_001H Hydrology Sim: 100Y_001HR
Filename: L:\2017\17-0373\Engineering\Drainage\2_Calculations\ICPR\100YR_001H.I32

Execute: Yes Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 721.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs)	Print Inc(min)
2.000	5.000
24.000	15.000
169.000	60.000
721.000	240.000

Group	Run
BASE	Yes

Name: 100YR_002H Hydrology Sim: 100Y_002HR
Filename: L:\2017\17-0373\Engineering\Drainage\2_Calculations\ICPR\100YR_002H.I32

Execute: Yes Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 722.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs)	Print Inc(min)
24.000	15.000
170.000	60.000
722.000	240.000

Group	Run
BASE	Yes

Name: 100YR_004H Hydrology Sim: 100Y_004HR
Filename: L:\2017\17-0373\Engineering\Drainage\2_Calculations\ICPR\100YR_004H.I32

Execute: Yes Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 724.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs)	Print Inc(min)
24.000	15.000
172.000	60.000
724.000	240.000

Group	Run
-------	-----

Project: 17-0373 Legacy Park - Phase 2
Inputs

BASE Yes

Name: 100YR_008H Hydrology Sim: 100Y_008HR
Filename: L:\2017\17-0373\Engineering\Drainage\2_Calculations\ICPR\100YR_008H.I32

Execute: Yes Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 728.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs)	Print Inc(min)
24.000	15.000
176.000	60.000
728.000	240.000

Group Run

BASE Yes

Name: 100YR_024H Hydrology Sim: 100Y_024HR
Filename: L:\2017\17-0373\Engineering\Drainage\2_Calculations\ICPR\100YR_024H.I32

Execute: Yes Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 744.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs)	Print Inc(min)
30.000	15.000
192.000	60.000
744.000	240.000

Group Run

BASE Yes

Name: 100YR_072H Hydrology Sim: 100Y_072HR
Filename: L:\2017\17-0373\Engineering\Drainage\2_Calculations\ICPR\100YR_072H.I32

Execute: Yes Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 792.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs)	Print Inc(min)
80.000	15.000
248.000	60.000
792.000	240.000

Project: 17-0373 Legacy Park - Phase 2
Inputs

Group	Run

BASE	Yes

Name: 100YR_168H Hydrology Sim: 100Y_168HR
Filename: L:\2017\17-0373\Engineering\Drainage\2_Calculations\ICPR\100YR_168H.I32

Execute: Yes Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00	Delta Z Factor: 0.00500
Time Step Optimizer: 10.000	
Start Time(hrs): 0.000	End Time(hrs): 888.00
Min Calc Time(sec): 0.5000	Max Calc Time(sec): 60.0000
Boundary Stages:	Boundary Flows:

Time(hrs)	Print Inc(min)

172.000	15.000
336.000	60.000
888.000	240.000

Group	Run

BASE	Yes

Name: 100YR_240H Hydrology Sim: 100Y_240HR
Filename: L:\2017\17-0373\Engineering\Drainage\2_Calculations\ICPR\100YR_240H.I32

Execute: Yes Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00	Delta Z Factor: 0.00500
Time Step Optimizer: 10.000	
Start Time(hrs): 0.000	End Time(hrs): 960.00
Min Calc Time(sec): 0.5000	Max Calc Time(sec): 60.0000
Boundary Stages:	Boundary Flows:

Time(hrs)	Print Inc(min)

240.000	15.000
408.000	60.000
960.000	240.000

Group	Run

BASE	Yes

Project: 17-0373 Legacy Park - Phase 2
Pre-2 Rates

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
PRE-2	BASE	100YR_001H	0.00	0.00	0.00	0.0000	0	0.83	3.88	0.00	0.00
PRE-2	BASE	100YR_002H	0.00	0.00	0.00	0.0000	0	1.08	3.58	0.00	0.00
PRE-2	BASE	100YR_004H	0.00	0.00	0.00	0.0000	0	2.58	7.03	0.00	0.00
PRE-2	BASE	100YR_008H	0.00	0.00	0.00	0.0000	0	4.08	8.77	0.00	0.00
PRE-2	BASE	100YR_024H	0.00	0.00	0.00	0.0000	0	12.00	3.79	0.00	0.00
PRE-2	BASE	100YR_072H	0.00	0.00	0.00	0.0000	0	60.00	5.00	0.00	0.00
PRE-2	BASE	100YR_168H	0.00	0.00	0.00	0.0000	0	160.00	4.13	0.00	0.00
PRE-2	BASE	100YR_240H	0.00	0.00	0.00	0.0000	0	184.00	5.28	0.00	0.00

Project: 17-0373 Legacy Park - Phase 2
Pre-3 Rates

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
PRE-3	BASE	100YR_001H	0.00	0.00	0.00	0.0000	0	0.83	10.04	0.00	0.00
PRE-3	BASE	100YR_002H	0.00	0.00	0.00	0.0000	0	1.08	8.77	0.00	0.00
PRE-3	BASE	100YR_004H	0.00	0.00	0.00	0.0000	0	2.58	16.88	0.00	0.00
PRE-3	BASE	100YR_008H	0.00	0.00	0.00	0.0000	0	4.00	21.31	0.00	0.00
PRE-3	BASE	100YR_024H	0.00	0.00	0.00	0.0000	0	12.00	9.05	0.00	0.00
PRE-3	BASE	100YR_072H	0.00	0.00	0.00	0.0000	0	60.00	11.88	0.00	0.00
PRE-3	BASE	100YR_168H	0.00	0.00	0.00	0.0000	0	159.92	9.77	0.00	0.00
PRE-3	BASE	100YR_240H	0.00	0.00	0.00	0.0000	0	184.00	12.52	0.00	0.00

Project: 17-0373 Legacy Park - Phase 2
Pre-2 Volumes

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_001H	PRE-2	BASE	593.10	0.00	0.00	0	0.00	0.00	0.102	0.000
100YR_001H	PRE-2	BASE	597.10	0.00	0.00	0	0.00	0.00	0.102	0.000
100YR_001H	PRE-2	BASE	601.10	0.00	0.00	0	0.00	0.00	0.102	0.000
100YR_001H	PRE-2	BASE	605.10	0.00	0.00	0	0.00	0.00	0.102	0.000
100YR_001H	PRE-2	BASE	609.10	0.00	0.00	0	0.00	0.00	0.102	0.000
100YR_001H	PRE-2	BASE	613.10	0.00	0.00	0	0.00	0.00	0.102	0.000
100YR_001H	PRE-2	BASE	617.10	0.00	0.00	0	0.00	0.00	0.102	0.000
100YR_001H	PRE-2	BASE	621.10	0.00	0.00	0	0.00	0.00	0.102	0.000
100YR_001H	PRE-2	BASE	625.10	0.00	0.00	0	0.00	0.00	0.102	0.000
100YR_001H	PRE-2	BASE	629.10	0.00	0.00	0	0.00	0.00	0.102	0.000
100YR_001H	PRE-2	BASE	633.10	0.00	0.00	0	0.00	0.00	0.102	0.000
100YR_001H	PRE-2	BASE	637.10	0.00	0.00	0	0.00	0.00	0.102	0.000
100YR_001H	PRE-2	BASE	641.10	0.00	0.00	0	0.00	0.00	0.102	0.000
100YR_001H	PRE-2	BASE	645.10	0.00	0.00	0	0.00	0.00	0.102	0.000
100YR_001H	PRE-2	BASE	649.10	0.00	0.00	0	0.00	0.00	0.102	0.000
100YR_001H	PRE-2	BASE	653.10	0.00	0.00	0	0.00	0.00	0.102	0.000
100YR_001H	PRE-2	BASE	657.10	0.00	0.00	0	0.00	0.00	0.102	0.000
100YR_001H	PRE-2	BASE	661.10	0.00	0.00	0	0.00	0.00	0.102	0.000
100YR_001H	PRE-2	BASE	665.10	0.00	0.00	0	0.00	0.00	0.102	0.000
100YR_001H	PRE-2	BASE	669.10	0.00	0.00	0	0.00	0.00	0.102	0.000
100YR_001H	PRE-2	BASE	673.10	0.00	0.00	0	0.00	0.00	0.102	0.000
100YR_001H	PRE-2	BASE	677.10	0.00	0.00	0	0.00	0.00	0.102	0.000
100YR_001H	PRE-2	BASE	681.10	0.00	0.00	0	0.00	0.00	0.102	0.000
100YR_001H	PRE-2	BASE	685.10	0.00	0.00	0	0.00	0.00	0.102	0.000
100YR_001H	PRE-2	BASE	689.10	0.00	0.00	0	0.00	0.00	0.102	0.000
100YR_001H	PRE-2	BASE	693.10	0.00	0.00	0	0.00	0.00	0.102	0.000
100YR_001H	PRE-2	BASE	697.10	0.00	0.00	0	0.00	0.00	0.102	0.000
100YR_001H	PRE-2	BASE	701.10	0.00	0.00	0	0.00	0.00	0.102	0.000
100YR_001H	PRE-2	BASE	705.10	0.00	0.00	0	0.00	0.00	0.102	0.000
100YR_001H	PRE-2	BASE	709.10	0.00	0.00	0	0.00	0.00	0.102	0.000
100YR_001H	PRE-2	BASE	713.10	0.00	0.00	0	0.00	0.00	0.102	0.000
100YR_001H	PRE-2	BASE	717.10	0.00	0.00	0	0.00	0.00	0.102	0.000
100YR_001H	PRE-2	BASE	721.01	0.00	0.00	0	0.00	0.00	0.102	0.000
100YR_002H	PRE-2	BASE	0.00	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PRE-2	BASE	0.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PRE-2	BASE	0.50	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PRE-2	BASE	0.75	0.00	0.00	0	0.06	0.00	0.001	0.000
100YR_002H	PRE-2	BASE	1.00	0.00	0.00	0	3.20	0.00	0.034	0.000
100YR_002H	PRE-2	BASE	1.25	0.00	0.00	0	3.34	0.00	0.102	0.000
100YR_002H	PRE-2	BASE	1.50	0.00	0.00	0	3.13	0.00	0.169	0.000
100YR_002H	PRE-2	BASE	1.76	0.00	0.00	0	2.63	0.00	0.229	0.000
100YR_002H	PRE-2	BASE	2.01	0.00	0.00	0	1.86	0.00	0.276	0.000
100YR_002H	PRE-2	BASE	2.26	0.00	0.00	0	0.31	0.00	0.298	0.000
100YR_002H	PRE-2	BASE	2.51	0.00	0.00	0	0.02	0.00	0.302	0.000
100YR_002H	PRE-2	BASE	2.75	0.00	0.00	0	0.00	0.00	0.302	0.000
100YR_002H	PRE-2	BASE	3.00	0.00	0.00	0	0.00	0.00	0.302	0.000
100YR_002H	PRE-2	BASE	3.26	0.00	0.00	0	0.00	0.00	0.302	0.000
100YR_002H	PRE-2	BASE	3.51	0.00	0.00	0	0.00	0.00	0.302	0.000
100YR_002H	PRE-2	BASE	3.76	0.00	0.00	0	0.00	0.00	0.302	0.000
100YR_002H	PRE-2	BASE	4.00	0.00	0.00	0	0.00	0.00	0.302	0.000
100YR_002H	PRE-2	BASE	4.25	0.00	0.00	0	0.00	0.00	0.302	0.000

Project: 17-0373 Legacy Park - Phase 2
Pre-2 Volumes

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_002H	PRE-2	BASE	518.26	0.00	0.00	0	0.00	0.00	0.302	0.000
100YR_002H	PRE-2	BASE	522.26	0.00	0.00	0	0.00	0.00	0.302	0.000
100YR_002H	PRE-2	BASE	526.26	0.00	0.00	0	0.00	0.00	0.302	0.000
100YR_002H	PRE-2	BASE	530.26	0.00	0.00	0	0.00	0.00	0.302	0.000
100YR_002H	PRE-2	BASE	534.26	0.00	0.00	0	0.00	0.00	0.302	0.000
100YR_002H	PRE-2	BASE	538.26	0.00	0.00	0	0.00	0.00	0.302	0.000
100YR_002H	PRE-2	BASE	542.26	0.00	0.00	0	0.00	0.00	0.302	0.000
100YR_002H	PRE-2	BASE	546.26	0.00	0.00	0	0.00	0.00	0.302	0.000
100YR_002H	PRE-2	BASE	550.26	0.00	0.00	0	0.00	0.00	0.302	0.000
100YR_002H	PRE-2	BASE	554.26	0.00	0.00	0	0.00	0.00	0.302	0.000
100YR_002H	PRE-2	BASE	558.26	0.00	0.00	0	0.00	0.00	0.302	0.000
100YR_002H	PRE-2	BASE	562.26	0.00	0.00	0	0.00	0.00	0.302	0.000
100YR_002H	PRE-2	BASE	566.26	0.00	0.00	0	0.00	0.00	0.302	0.000
100YR_002H	PRE-2	BASE	570.26	0.00	0.00	0	0.00	0.00	0.302	0.000
100YR_002H	PRE-2	BASE	574.26	0.00	0.00	0	0.00	0.00	0.302	0.000
100YR_002H	PRE-2	BASE	578.26	0.00	0.00	0	0.00	0.00	0.302	0.000
100YR_002H	PRE-2	BASE	582.26	0.00	0.00	0	0.00	0.00	0.302	0.000
100YR_002H	PRE-2	BASE	586.26	0.00	0.00	0	0.00	0.00	0.302	0.000
100YR_002H	PRE-2	BASE	590.26	0.00	0.00	0	0.00	0.00	0.302	0.000
100YR_002H	PRE-2	BASE	594.26	0.00	0.00	0	0.00	0.00	0.302	0.000
100YR_002H	PRE-2	BASE	598.26	0.00	0.00	0	0.00	0.00	0.302	0.000
100YR_002H	PRE-2	BASE	602.26	0.00	0.00	0	0.00	0.00	0.302	0.000
100YR_002H	PRE-2	BASE	606.26	0.00	0.00	0	0.00	0.00	0.302	0.000
100YR_002H	PRE-2	BASE	610.26	0.00	0.00	0	0.00	0.00	0.302	0.000
100YR_002H	PRE-2	BASE	614.26	0.00	0.00	0	0.00	0.00	0.302	0.000
100YR_002H	PRE-2	BASE	618.26	0.00	0.00	0	0.00	0.00	0.302	0.000
100YR_002H	PRE-2	BASE	622.26	0.00	0.00	0	0.00	0.00	0.302	0.000
100YR_002H	PRE-2	BASE	626.26	0.00	0.00	0	0.00	0.00	0.302	0.000
100YR_002H	PRE-2	BASE	630.26	0.00	0.00	0	0.00	0.00	0.302	0.000
100YR_002H	PRE-2	BASE	634.26	0.00	0.00	0	0.00	0.00	0.302	0.000
100YR_002H	PRE-2	BASE	638.26	0.00	0.00	0	0.00	0.00	0.302	0.000
100YR_002H	PRE-2	BASE	642.26	0.00	0.00	0	0.00	0.00	0.302	0.000
100YR_002H	PRE-2	BASE	646.26	0.00	0.00	0	0.00	0.00	0.302	0.000
100YR_002H	PRE-2	BASE	650.26	0.00	0.00	0	0.00	0.00	0.302	0.000
100YR_002H	PRE-2	BASE	654.26	0.00	0.00	0	0.00	0.00	0.302	0.000
100YR_002H	PRE-2	BASE	658.26	0.00	0.00	0	0.00	0.00	0.302	0.000
100YR_002H	PRE-2	BASE	662.26	0.00	0.00	0	0.00	0.00	0.302	0.000
100YR_002H	PRE-2	BASE	666.26	0.00	0.00	0	0.00	0.00	0.302	0.000
100YR_002H	PRE-2	BASE	670.26	0.00	0.00	0	0.00	0.00	0.302	0.000
100YR_002H	PRE-2	BASE	674.26	0.00	0.00	0	0.00	0.00	0.302	0.000
100YR_002H	PRE-2	BASE	678.26	0.00	0.00	0	0.00	0.00	0.302	0.000
100YR_002H	PRE-2	BASE	682.26	0.00	0.00	0	0.00	0.00	0.302	0.000
100YR_002H	PRE-2	BASE	686.26	0.00	0.00	0	0.00	0.00	0.302	0.000
100YR_002H	PRE-2	BASE	690.26	0.00	0.00	0	0.00	0.00	0.302	0.000
100YR_002H	PRE-2	BASE	694.26	0.00	0.00	0	0.00	0.00	0.302	0.000
100YR_002H	PRE-2	BASE	698.26	0.00	0.00	0	0.00	0.00	0.302	0.000
100YR_002H	PRE-2	BASE	702.26	0.00	0.00	0	0.00	0.00	0.302	0.000
100YR_002H	PRE-2	BASE	706.26	0.00	0.00	0	0.00	0.00	0.302	0.000
100YR_002H	PRE-2	BASE	710.26	0.00	0.00	0	0.00	0.00	0.302	0.000
100YR_002H	PRE-2	BASE	714.26	0.00	0.00	0	0.00	0.00	0.302	0.000
100YR_002H	PRE-2	BASE	718.26	0.00	0.00	0	0.00	0.00	0.302	0.000
100YR_002H	PRE-2	BASE	722.00	0.00	0.00	0	0.00	0.00	0.302	0.000

Project: 17-0373 Legacy Park - Phase 2
Pre-2 Volumes

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_004H	PRE-2	BASE	644.26	0.00	0.00	0	0.00	0.00	0.710	0.000
100YR_004H	PRE-2	BASE	648.26	0.00	0.00	0	0.00	0.00	0.710	0.000
100YR_004H	PRE-2	BASE	652.26	0.00	0.00	0	0.00	0.00	0.710	0.000
100YR_004H	PRE-2	BASE	656.26	0.00	0.00	0	0.00	0.00	0.710	0.000
100YR_004H	PRE-2	BASE	660.26	0.00	0.00	0	0.00	0.00	0.710	0.000
100YR_004H	PRE-2	BASE	664.26	0.00	0.00	0	0.00	0.00	0.710	0.000
100YR_004H	PRE-2	BASE	668.26	0.00	0.00	0	0.00	0.00	0.710	0.000
100YR_004H	PRE-2	BASE	672.26	0.00	0.00	0	0.00	0.00	0.710	0.000
100YR_004H	PRE-2	BASE	676.26	0.00	0.00	0	0.00	0.00	0.710	0.000
100YR_004H	PRE-2	BASE	680.26	0.00	0.00	0	0.00	0.00	0.710	0.000
100YR_004H	PRE-2	BASE	684.26	0.00	0.00	0	0.00	0.00	0.710	0.000
100YR_004H	PRE-2	BASE	688.26	0.00	0.00	0	0.00	0.00	0.710	0.000
100YR_004H	PRE-2	BASE	692.26	0.00	0.00	0	0.00	0.00	0.710	0.000
100YR_004H	PRE-2	BASE	696.26	0.00	0.00	0	0.00	0.00	0.710	0.000
100YR_004H	PRE-2	BASE	700.26	0.00	0.00	0	0.00	0.00	0.710	0.000
100YR_004H	PRE-2	BASE	704.26	0.00	0.00	0	0.00	0.00	0.710	0.000
100YR_004H	PRE-2	BASE	708.26	0.00	0.00	0	0.00	0.00	0.710	0.000
100YR_004H	PRE-2	BASE	712.26	0.00	0.00	0	0.00	0.00	0.710	0.000
100YR_004H	PRE-2	BASE	716.26	0.00	0.00	0	0.00	0.00	0.710	0.000
100YR_004H	PRE-2	BASE	720.26	0.00	0.00	0	0.00	0.00	0.710	0.000
100YR_004H	PRE-2	BASE	724.02	0.00	0.00	0	0.00	0.00	0.710	0.000
100YR_008H	PRE-2	BASE	0.00	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_008H	PRE-2	BASE	0.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_008H	PRE-2	BASE	0.50	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_008H	PRE-2	BASE	0.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_008H	PRE-2	BASE	1.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_008H	PRE-2	BASE	1.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_008H	PRE-2	BASE	1.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_008H	PRE-2	BASE	1.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_008H	PRE-2	BASE	2.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_008H	PRE-2	BASE	2.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_008H	PRE-2	BASE	2.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_008H	PRE-2	BASE	2.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_008H	PRE-2	BASE	3.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_008H	PRE-2	BASE	3.25	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_008H	PRE-2	BASE	3.50	0.00	0.00	0	1.35	0.00	0.014	0.000
100YR_008H	PRE-2	BASE	3.75	0.00	0.00	0	5.07	0.00	0.080	0.000
100YR_008H	PRE-2	BASE	4.00	0.00	0.00	0	8.61	0.00	0.221	0.000
100YR_008H	PRE-2	BASE	4.25	0.00	0.00	0	5.54	0.00	0.368	0.000
100YR_008H	PRE-2	BASE	4.50	0.00	0.00	0	4.80	0.00	0.474	0.000
100YR_008H	PRE-2	BASE	4.75	0.00	0.00	0	5.12	0.00	0.577	0.000
100YR_008H	PRE-2	BASE	5.00	0.00	0.00	0	5.48	0.00	0.686	0.000
100YR_008H	PRE-2	BASE	5.25	0.00	0.00	0	2.90	0.00	0.773	0.000
100YR_008H	PRE-2	BASE	5.51	0.00	0.00	0	2.27	0.00	0.828	0.000
100YR_008H	PRE-2	BASE	5.75	0.00	0.00	0	2.27	0.00	0.874	0.000
100YR_008H	PRE-2	BASE	6.00	0.00	0.00	0	2.32	0.00	0.921	0.000
100YR_008H	PRE-2	BASE	6.25	0.00	0.00	0	2.05	0.00	0.966	0.000
100YR_008H	PRE-2	BASE	6.50	0.00	0.00	0	2.01	0.00	1.008	0.000
100YR_008H	PRE-2	BASE	6.75	0.00	0.00	0	2.03	0.00	1.050	0.000
100YR_008H	PRE-2	BASE	7.00	0.00	0.00	0	2.06	0.00	1.092	0.000
100YR_008H	PRE-2	BASE	7.25	0.00	0.00	0	1.42	0.00	1.128	0.000

Project: 17-0373 Legacy Park - Phase 2
Pre-2 Volumes

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_008H	PRE-2	BASE	548.25	0.00	0.00	0	0.00	0.00	1.227	0.000
100YR_008H	PRE-2	BASE	552.25	0.00	0.00	0	0.00	0.00	1.227	0.000
100YR_008H	PRE-2	BASE	556.25	0.00	0.00	0	0.00	0.00	1.227	0.000
100YR_008H	PRE-2	BASE	560.25	0.00	0.00	0	0.00	0.00	1.227	0.000
100YR_008H	PRE-2	BASE	564.25	0.00	0.00	0	0.00	0.00	1.227	0.000
100YR_008H	PRE-2	BASE	568.25	0.00	0.00	0	0.00	0.00	1.227	0.000
100YR_008H	PRE-2	BASE	572.25	0.00	0.00	0	0.00	0.00	1.227	0.000
100YR_008H	PRE-2	BASE	576.25	0.00	0.00	0	0.00	0.00	1.227	0.000
100YR_008H	PRE-2	BASE	580.25	0.00	0.00	0	0.00	0.00	1.227	0.000
100YR_008H	PRE-2	BASE	584.25	0.00	0.00	0	0.00	0.00	1.227	0.000
100YR_008H	PRE-2	BASE	588.25	0.00	0.00	0	0.00	0.00	1.227	0.000
100YR_008H	PRE-2	BASE	592.25	0.00	0.00	0	0.00	0.00	1.227	0.000
100YR_008H	PRE-2	BASE	596.25	0.00	0.00	0	0.00	0.00	1.227	0.000
100YR_008H	PRE-2	BASE	600.25	0.00	0.00	0	0.00	0.00	1.227	0.000
100YR_008H	PRE-2	BASE	604.25	0.00	0.00	0	0.00	0.00	1.227	0.000
100YR_008H	PRE-2	BASE	608.25	0.00	0.00	0	0.00	0.00	1.227	0.000
100YR_008H	PRE-2	BASE	612.25	0.00	0.00	0	0.00	0.00	1.227	0.000
100YR_008H	PRE-2	BASE	616.25	0.00	0.00	0	0.00	0.00	1.227	0.000
100YR_008H	PRE-2	BASE	620.25	0.00	0.00	0	0.00	0.00	1.227	0.000
100YR_008H	PRE-2	BASE	624.25	0.00	0.00	0	0.00	0.00	1.227	0.000
100YR_008H	PRE-2	BASE	628.25	0.00	0.00	0	0.00	0.00	1.227	0.000
100YR_008H	PRE-2	BASE	632.25	0.00	0.00	0	0.00	0.00	1.227	0.000
100YR_008H	PRE-2	BASE	636.25	0.00	0.00	0	0.00	0.00	1.227	0.000
100YR_008H	PRE-2	BASE	640.25	0.00	0.00	0	0.00	0.00	1.227	0.000
100YR_008H	PRE-2	BASE	644.25	0.00	0.00	0	0.00	0.00	1.227	0.000
100YR_008H	PRE-2	BASE	648.25	0.00	0.00	0	0.00	0.00	1.227	0.000
100YR_008H	PRE-2	BASE	652.25	0.00	0.00	0	0.00	0.00	1.227	0.000
100YR_008H	PRE-2	BASE	656.25	0.00	0.00	0	0.00	0.00	1.227	0.000
100YR_008H	PRE-2	BASE	660.25	0.00	0.00	0	0.00	0.00	1.227	0.000
100YR_008H	PRE-2	BASE	664.25	0.00	0.00	0	0.00	0.00	1.227	0.000
100YR_008H	PRE-2	BASE	668.25	0.00	0.00	0	0.00	0.00	1.227	0.000
100YR_008H	PRE-2	BASE	672.25	0.00	0.00	0	0.00	0.00	1.227	0.000
100YR_008H	PRE-2	BASE	676.25	0.00	0.00	0	0.00	0.00	1.227	0.000
100YR_008H	PRE-2	BASE	680.25	0.00	0.00	0	0.00	0.00	1.227	0.000
100YR_008H	PRE-2	BASE	684.25	0.00	0.00	0	0.00	0.00	1.227	0.000
100YR_008H	PRE-2	BASE	688.25	0.00	0.00	0	0.00	0.00	1.227	0.000
100YR_008H	PRE-2	BASE	692.25	0.00	0.00	0	0.00	0.00	1.227	0.000
100YR_008H	PRE-2	BASE	696.25	0.00	0.00	0	0.00	0.00	1.227	0.000
100YR_008H	PRE-2	BASE	700.25	0.00	0.00	0	0.00	0.00	1.227	0.000
100YR_008H	PRE-2	BASE	704.25	0.00	0.00	0	0.00	0.00	1.227	0.000
100YR_008H	PRE-2	BASE	708.25	0.00	0.00	0	0.00	0.00	1.227	0.000
100YR_008H	PRE-2	BASE	712.25	0.00	0.00	0	0.00	0.00	1.227	0.000
100YR_008H	PRE-2	BASE	716.25	0.00	0.00	0	0.00	0.00	1.227	0.000
100YR_008H	PRE-2	BASE	720.25	0.00	0.00	0	0.00	0.00	1.227	0.000
100YR_008H	PRE-2	BASE	724.25	0.00	0.00	0	0.00	0.00	1.227	0.000
100YR_008H	PRE-2	BASE	728.01	0.00	0.00	0	0.00	0.00	1.227	0.000
100YR_024H	PRE-2	BASE	0.00	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_024H	PRE-2	BASE	0.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_024H	PRE-2	BASE	0.50	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_024H	PRE-2	BASE	0.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_024H	PRE-2	BASE	1.02	0.00	0.00	0	0.00	0.00	0.000	0.000

Project: 17-0373 Legacy Park - Phase 2
Pre-2 Volumes

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_024H	PRE-2	BASE	744.01	0.00	0.00	0	0.00	0.00	2.827	0.000
100YR_072H	PRE-2	BASE	0.00	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-2	BASE	0.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-2	BASE	0.50	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-2	BASE	0.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-2	BASE	1.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-2	BASE	1.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-2	BASE	1.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-2	BASE	1.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-2	BASE	2.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-2	BASE	2.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-2	BASE	2.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-2	BASE	2.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-2	BASE	3.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-2	BASE	3.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-2	BASE	3.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-2	BASE	3.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-2	BASE	4.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-2	BASE	4.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-2	BASE	4.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-2	BASE	4.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-2	BASE	5.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-2	BASE	5.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-2	BASE	5.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-2	BASE	5.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-2	BASE	6.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-2	BASE	6.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-2	BASE	6.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-2	BASE	6.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-2	BASE	7.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-2	BASE	7.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-2	BASE	7.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-2	BASE	7.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-2	BASE	8.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-2	BASE	8.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-2	BASE	8.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-2	BASE	8.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-2	BASE	9.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-2	BASE	9.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-2	BASE	9.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-2	BASE	9.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-2	BASE	10.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-2	BASE	10.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-2	BASE	10.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-2	BASE	10.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-2	BASE	11.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-2	BASE	11.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-2	BASE	11.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-2	BASE	11.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-2	BASE	12.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-2	BASE	12.27	0.00	0.00	0	0.00	0.00	0.000	0.000

Project: 17-0373 Legacy Park - Phase 2
Pre-2 Volumes

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_072H	PRE-2	BASE	780.26	0.00	0.00	0	0.00	0.00	4.606	0.000
100YR_072H	PRE-2	BASE	784.26	0.00	0.00	0	0.00	0.00	4.606	0.000
100YR_072H	PRE-2	BASE	788.26	0.00	0.00	0	0.00	0.00	4.606	0.000
100YR_072H	PRE-2	BASE	792.01	0.00	0.00	0	0.00	0.00	4.606	0.000
100YR_168H	PRE-2	BASE	0.00	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-2	BASE	0.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-2	BASE	0.50	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-2	BASE	0.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-2	BASE	1.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-2	BASE	1.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-2	BASE	1.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-2	BASE	1.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-2	BASE	2.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-2	BASE	2.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-2	BASE	2.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-2	BASE	2.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-2	BASE	3.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-2	BASE	3.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-2	BASE	3.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-2	BASE	3.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-2	BASE	4.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-2	BASE	4.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-2	BASE	4.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-2	BASE	4.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-2	BASE	5.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-2	BASE	5.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-2	BASE	5.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-2	BASE	5.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-2	BASE	6.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-2	BASE	6.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-2	BASE	6.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-2	BASE	6.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-2	BASE	7.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-2	BASE	7.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-2	BASE	7.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-2	BASE	7.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-2	BASE	8.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-2	BASE	8.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-2	BASE	8.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-2	BASE	8.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-2	BASE	9.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-2	BASE	9.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-2	BASE	9.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-2	BASE	9.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-2	BASE	10.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-2	BASE	10.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-2	BASE	10.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-2	BASE	10.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-2	BASE	11.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-2	BASE	11.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-2	BASE	11.52	0.00	0.00	0	0.00	0.00	0.000	0.000

Project: 17-0373 Legacy Park - Phase 2
Pre-2 Volumes

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_168H	PRE-2	BASE	856.25	0.00	0.00	0	0.00	0.00	6.184	0.000
100YR_168H	PRE-2	BASE	860.25	0.00	0.00	0	0.00	0.00	6.184	0.000
100YR_168H	PRE-2	BASE	864.25	0.00	0.00	0	0.00	0.00	6.184	0.000
100YR_168H	PRE-2	BASE	868.25	0.00	0.00	0	0.00	0.00	6.184	0.000
100YR_168H	PRE-2	BASE	872.25	0.00	0.00	0	0.00	0.00	6.184	0.000
100YR_168H	PRE-2	BASE	876.25	0.00	0.00	0	0.00	0.00	6.184	0.000
100YR_168H	PRE-2	BASE	880.25	0.00	0.00	0	0.00	0.00	6.184	0.000
100YR_168H	PRE-2	BASE	884.25	0.00	0.00	0	0.00	0.00	6.184	0.000
100YR_168H	PRE-2	BASE	888.01	0.00	0.00	0	0.00	0.00	6.184	0.000
100YR_240H	PRE-2	BASE	0.00	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-2	BASE	0.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-2	BASE	0.50	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-2	BASE	0.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-2	BASE	1.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-2	BASE	1.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-2	BASE	1.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-2	BASE	1.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-2	BASE	2.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-2	BASE	2.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-2	BASE	2.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-2	BASE	2.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-2	BASE	3.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-2	BASE	3.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-2	BASE	3.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-2	BASE	3.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-2	BASE	4.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-2	BASE	4.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-2	BASE	4.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-2	BASE	4.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-2	BASE	5.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-2	BASE	5.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-2	BASE	5.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-2	BASE	5.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-2	BASE	6.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-2	BASE	6.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-2	BASE	6.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-2	BASE	6.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-2	BASE	7.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-2	BASE	7.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-2	BASE	7.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-2	BASE	7.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-2	BASE	8.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-2	BASE	8.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-2	BASE	8.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-2	BASE	8.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-2	BASE	9.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-2	BASE	9.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-2	BASE	9.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-2	BASE	9.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-2	BASE	10.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-2	BASE	10.27	0.00	0.00	0	0.00	0.00	0.000	0.000

Project: 17-0373 Legacy Park - Phase 2
Pre-2 Volumes

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_240H	PRE-2	BASE	844.27	0.00	0.00	0	0.00	0.00	7.715	0.000
100YR_240H	PRE-2	BASE	848.27	0.00	0.00	0	0.00	0.00	7.715	0.000
100YR_240H	PRE-2	BASE	852.27	0.00	0.00	0	0.00	0.00	7.715	0.000
100YR_240H	PRE-2	BASE	856.27	0.00	0.00	0	0.00	0.00	7.715	0.000
100YR_240H	PRE-2	BASE	860.27	0.00	0.00	0	0.00	0.00	7.715	0.000
100YR_240H	PRE-2	BASE	864.27	0.00	0.00	0	0.00	0.00	7.715	0.000
100YR_240H	PRE-2	BASE	868.27	0.00	0.00	0	0.00	0.00	7.715	0.000
100YR_240H	PRE-2	BASE	872.27	0.00	0.00	0	0.00	0.00	7.715	0.000
100YR_240H	PRE-2	BASE	876.27	0.00	0.00	0	0.00	0.00	7.715	0.000
100YR_240H	PRE-2	BASE	880.27	0.00	0.00	0	0.00	0.00	7.715	0.000
100YR_240H	PRE-2	BASE	884.27	0.00	0.00	0	0.00	0.00	7.715	0.000
100YR_240H	PRE-2	BASE	888.27	0.00	0.00	0	0.00	0.00	7.715	0.000
100YR_240H	PRE-2	BASE	892.27	0.00	0.00	0	0.00	0.00	7.715	0.000
100YR_240H	PRE-2	BASE	896.27	0.00	0.00	0	0.00	0.00	7.715	0.000
100YR_240H	PRE-2	BASE	900.27	0.00	0.00	0	0.00	0.00	7.715	0.000
100YR_240H	PRE-2	BASE	904.27	0.00	0.00	0	0.00	0.00	7.715	0.000
100YR_240H	PRE-2	BASE	908.27	0.00	0.00	0	0.00	0.00	7.715	0.000
100YR_240H	PRE-2	BASE	912.27	0.00	0.00	0	0.00	0.00	7.715	0.000
100YR_240H	PRE-2	BASE	916.27	0.00	0.00	0	0.00	0.00	7.715	0.000
100YR_240H	PRE-2	BASE	920.27	0.00	0.00	0	0.00	0.00	7.715	0.000
100YR_240H	PRE-2	BASE	924.27	0.00	0.00	0	0.00	0.00	7.715	0.000
100YR_240H	PRE-2	BASE	928.27	0.00	0.00	0	0.00	0.00	7.715	0.000
100YR_240H	PRE-2	BASE	932.27	0.00	0.00	0	0.00	0.00	7.715	0.000
100YR_240H	PRE-2	BASE	936.27	0.00	0.00	0	0.00	0.00	7.715	0.000
100YR_240H	PRE-2	BASE	940.27	0.00	0.00	0	0.00	0.00	7.715	0.000
100YR_240H	PRE-2	BASE	944.27	0.00	0.00	0	0.00	0.00	7.715	0.000
100YR_240H	PRE-2	BASE	948.27	0.00	0.00	0	0.00	0.00	7.715	0.000
100YR_240H	PRE-2	BASE	952.27	0.00	0.00	0	0.00	0.00	7.715	0.000
100YR_240H	PRE-2	BASE	956.27	0.00	0.00	0	0.00	0.00	7.715	0.000

Project: 17-0373 Legacy Park - Phase 2
Pre-3 Volumes

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_001H	PRE-3	BASE	593.10	0.00	0.00	0	0.00	0.00	0.240	0.000
100YR_001H	PRE-3	BASE	597.10	0.00	0.00	0	0.00	0.00	0.240	0.000
100YR_001H	PRE-3	BASE	601.10	0.00	0.00	0	0.00	0.00	0.240	0.000
100YR_001H	PRE-3	BASE	605.10	0.00	0.00	0	0.00	0.00	0.240	0.000
100YR_001H	PRE-3	BASE	609.10	0.00	0.00	0	0.00	0.00	0.240	0.000
100YR_001H	PRE-3	BASE	613.10	0.00	0.00	0	0.00	0.00	0.240	0.000
100YR_001H	PRE-3	BASE	617.10	0.00	0.00	0	0.00	0.00	0.240	0.000
100YR_001H	PRE-3	BASE	621.10	0.00	0.00	0	0.00	0.00	0.240	0.000
100YR_001H	PRE-3	BASE	625.10	0.00	0.00	0	0.00	0.00	0.240	0.000
100YR_001H	PRE-3	BASE	629.10	0.00	0.00	0	0.00	0.00	0.240	0.000
100YR_001H	PRE-3	BASE	633.10	0.00	0.00	0	0.00	0.00	0.240	0.000
100YR_001H	PRE-3	BASE	637.10	0.00	0.00	0	0.00	0.00	0.240	0.000
100YR_001H	PRE-3	BASE	641.10	0.00	0.00	0	0.00	0.00	0.240	0.000
100YR_001H	PRE-3	BASE	645.10	0.00	0.00	0	0.00	0.00	0.240	0.000
100YR_001H	PRE-3	BASE	649.10	0.00	0.00	0	0.00	0.00	0.240	0.000
100YR_001H	PRE-3	BASE	653.10	0.00	0.00	0	0.00	0.00	0.240	0.000
100YR_001H	PRE-3	BASE	657.10	0.00	0.00	0	0.00	0.00	0.240	0.000
100YR_001H	PRE-3	BASE	661.10	0.00	0.00	0	0.00	0.00	0.240	0.000
100YR_001H	PRE-3	BASE	665.10	0.00	0.00	0	0.00	0.00	0.240	0.000
100YR_001H	PRE-3	BASE	669.10	0.00	0.00	0	0.00	0.00	0.240	0.000
100YR_001H	PRE-3	BASE	673.10	0.00	0.00	0	0.00	0.00	0.240	0.000
100YR_001H	PRE-3	BASE	677.10	0.00	0.00	0	0.00	0.00	0.240	0.000
100YR_001H	PRE-3	BASE	681.10	0.00	0.00	0	0.00	0.00	0.240	0.000
100YR_001H	PRE-3	BASE	685.10	0.00	0.00	0	0.00	0.00	0.240	0.000
100YR_001H	PRE-3	BASE	689.10	0.00	0.00	0	0.00	0.00	0.240	0.000
100YR_001H	PRE-3	BASE	693.10	0.00	0.00	0	0.00	0.00	0.240	0.000
100YR_001H	PRE-3	BASE	697.10	0.00	0.00	0	0.00	0.00	0.240	0.000
100YR_001H	PRE-3	BASE	701.10	0.00	0.00	0	0.00	0.00	0.240	0.000
100YR_001H	PRE-3	BASE	705.10	0.00	0.00	0	0.00	0.00	0.240	0.000
100YR_001H	PRE-3	BASE	709.10	0.00	0.00	0	0.00	0.00	0.240	0.000
100YR_001H	PRE-3	BASE	713.10	0.00	0.00	0	0.00	0.00	0.240	0.000
100YR_001H	PRE-3	BASE	717.10	0.00	0.00	0	0.00	0.00	0.240	0.000
100YR_001H	PRE-3	BASE	721.01	0.00	0.00	0	0.00	0.00	0.240	0.000
100YR_002H	PRE-3	BASE	0.00	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PRE-3	BASE	0.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PRE-3	BASE	0.50	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PRE-3	BASE	0.75	0.00	0.00	0	0.17	0.00	0.002	0.000
100YR_002H	PRE-3	BASE	1.00	0.00	0.00	0	8.05	0.00	0.087	0.000
100YR_002H	PRE-3	BASE	1.25	0.00	0.00	0	7.88	0.00	0.252	0.000
100YR_002H	PRE-3	BASE	1.50	0.00	0.00	0	7.35	0.00	0.410	0.000
100YR_002H	PRE-3	BASE	1.76	0.00	0.00	0	6.06	0.00	0.550	0.000
100YR_002H	PRE-3	BASE	2.01	0.00	0.00	0	4.21	0.00	0.656	0.000
100YR_002H	PRE-3	BASE	2.26	0.00	0.00	0	0.50	0.00	0.705	0.000
100YR_002H	PRE-3	BASE	2.51	0.00	0.00	0	0.01	0.00	0.711	0.000
100YR_002H	PRE-3	BASE	2.75	0.00	0.00	0	0.00	0.00	0.711	0.000
100YR_002H	PRE-3	BASE	3.00	0.00	0.00	0	0.00	0.00	0.711	0.000
100YR_002H	PRE-3	BASE	3.26	0.00	0.00	0	0.00	0.00	0.711	0.000
100YR_002H	PRE-3	BASE	3.51	0.00	0.00	0	0.00	0.00	0.711	0.000
100YR_002H	PRE-3	BASE	3.76	0.00	0.00	0	0.00	0.00	0.711	0.000
100YR_002H	PRE-3	BASE	4.00	0.00	0.00	0	0.00	0.00	0.711	0.000
100YR_002H	PRE-3	BASE	4.25	0.00	0.00	0	0.00	0.00	0.711	0.000

Project: 17-0373 Legacy Park - Phase 2
Pre-3 Volumes

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_002H	PRE-3	BASE	518.26	0.00	0.00	0	0.00	0.00	0.711	0.000
100YR_002H	PRE-3	BASE	522.26	0.00	0.00	0	0.00	0.00	0.711	0.000
100YR_002H	PRE-3	BASE	526.26	0.00	0.00	0	0.00	0.00	0.711	0.000
100YR_002H	PRE-3	BASE	530.26	0.00	0.00	0	0.00	0.00	0.711	0.000
100YR_002H	PRE-3	BASE	534.26	0.00	0.00	0	0.00	0.00	0.711	0.000
100YR_002H	PRE-3	BASE	538.26	0.00	0.00	0	0.00	0.00	0.711	0.000
100YR_002H	PRE-3	BASE	542.26	0.00	0.00	0	0.00	0.00	0.711	0.000
100YR_002H	PRE-3	BASE	546.26	0.00	0.00	0	0.00	0.00	0.711	0.000
100YR_002H	PRE-3	BASE	550.26	0.00	0.00	0	0.00	0.00	0.711	0.000
100YR_002H	PRE-3	BASE	554.26	0.00	0.00	0	0.00	0.00	0.711	0.000
100YR_002H	PRE-3	BASE	558.26	0.00	0.00	0	0.00	0.00	0.711	0.000
100YR_002H	PRE-3	BASE	562.26	0.00	0.00	0	0.00	0.00	0.711	0.000
100YR_002H	PRE-3	BASE	566.26	0.00	0.00	0	0.00	0.00	0.711	0.000
100YR_002H	PRE-3	BASE	570.26	0.00	0.00	0	0.00	0.00	0.711	0.000
100YR_002H	PRE-3	BASE	574.26	0.00	0.00	0	0.00	0.00	0.711	0.000
100YR_002H	PRE-3	BASE	578.26	0.00	0.00	0	0.00	0.00	0.711	0.000
100YR_002H	PRE-3	BASE	582.26	0.00	0.00	0	0.00	0.00	0.711	0.000
100YR_002H	PRE-3	BASE	586.26	0.00	0.00	0	0.00	0.00	0.711	0.000
100YR_002H	PRE-3	BASE	590.26	0.00	0.00	0	0.00	0.00	0.711	0.000
100YR_002H	PRE-3	BASE	594.26	0.00	0.00	0	0.00	0.00	0.711	0.000
100YR_002H	PRE-3	BASE	598.26	0.00	0.00	0	0.00	0.00	0.711	0.000
100YR_002H	PRE-3	BASE	602.26	0.00	0.00	0	0.00	0.00	0.711	0.000
100YR_002H	PRE-3	BASE	606.26	0.00	0.00	0	0.00	0.00	0.711	0.000
100YR_002H	PRE-3	BASE	610.26	0.00	0.00	0	0.00	0.00	0.711	0.000
100YR_002H	PRE-3	BASE	614.26	0.00	0.00	0	0.00	0.00	0.711	0.000
100YR_002H	PRE-3	BASE	618.26	0.00	0.00	0	0.00	0.00	0.711	0.000
100YR_002H	PRE-3	BASE	622.26	0.00	0.00	0	0.00	0.00	0.711	0.000
100YR_002H	PRE-3	BASE	626.26	0.00	0.00	0	0.00	0.00	0.711	0.000
100YR_002H	PRE-3	BASE	630.26	0.00	0.00	0	0.00	0.00	0.711	0.000
100YR_002H	PRE-3	BASE	634.26	0.00	0.00	0	0.00	0.00	0.711	0.000
100YR_002H	PRE-3	BASE	638.26	0.00	0.00	0	0.00	0.00	0.711	0.000
100YR_002H	PRE-3	BASE	642.26	0.00	0.00	0	0.00	0.00	0.711	0.000
100YR_002H	PRE-3	BASE	646.26	0.00	0.00	0	0.00	0.00	0.711	0.000
100YR_002H	PRE-3	BASE	650.26	0.00	0.00	0	0.00	0.00	0.711	0.000
100YR_002H	PRE-3	BASE	654.26	0.00	0.00	0	0.00	0.00	0.711	0.000
100YR_002H	PRE-3	BASE	658.26	0.00	0.00	0	0.00	0.00	0.711	0.000
100YR_002H	PRE-3	BASE	662.26	0.00	0.00	0	0.00	0.00	0.711	0.000
100YR_002H	PRE-3	BASE	666.26	0.00	0.00	0	0.00	0.00	0.711	0.000
100YR_002H	PRE-3	BASE	670.26	0.00	0.00	0	0.00	0.00	0.711	0.000
100YR_002H	PRE-3	BASE	674.26	0.00	0.00	0	0.00	0.00	0.711	0.000
100YR_002H	PRE-3	BASE	678.26	0.00	0.00	0	0.00	0.00	0.711	0.000
100YR_002H	PRE-3	BASE	682.26	0.00	0.00	0	0.00	0.00	0.711	0.000
100YR_002H	PRE-3	BASE	686.26	0.00	0.00	0	0.00	0.00	0.711	0.000
100YR_002H	PRE-3	BASE	690.26	0.00	0.00	0	0.00	0.00	0.711	0.000
100YR_002H	PRE-3	BASE	694.26	0.00	0.00	0	0.00	0.00	0.711	0.000
100YR_002H	PRE-3	BASE	698.26	0.00	0.00	0	0.00	0.00	0.711	0.000
100YR_002H	PRE-3	BASE	702.26	0.00	0.00	0	0.00	0.00	0.711	0.000
100YR_002H	PRE-3	BASE	706.26	0.00	0.00	0	0.00	0.00	0.711	0.000
100YR_002H	PRE-3	BASE	710.26	0.00	0.00	0	0.00	0.00	0.711	0.000
100YR_002H	PRE-3	BASE	714.26	0.00	0.00	0	0.00	0.00	0.711	0.000
100YR_002H	PRE-3	BASE	718.26	0.00	0.00	0	0.00	0.00	0.711	0.000
100YR_002H	PRE-3	BASE	722.00	0.00	0.00	0	0.00	0.00	0.711	0.000

Project: 17-0373 Legacy Park - Phase 2
Pre-3 Volumes

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_004H	PRE-3	BASE	644.26	0.00	0.00	0	0.00	0.00	1.695	0.000
100YR_004H	PRE-3	BASE	648.26	0.00	0.00	0	0.00	0.00	1.695	0.000
100YR_004H	PRE-3	BASE	652.26	0.00	0.00	0	0.00	0.00	1.695	0.000
100YR_004H	PRE-3	BASE	656.26	0.00	0.00	0	0.00	0.00	1.695	0.000
100YR_004H	PRE-3	BASE	660.26	0.00	0.00	0	0.00	0.00	1.695	0.000
100YR_004H	PRE-3	BASE	664.26	0.00	0.00	0	0.00	0.00	1.695	0.000
100YR_004H	PRE-3	BASE	668.26	0.00	0.00	0	0.00	0.00	1.695	0.000
100YR_004H	PRE-3	BASE	672.26	0.00	0.00	0	0.00	0.00	1.695	0.000
100YR_004H	PRE-3	BASE	676.26	0.00	0.00	0	0.00	0.00	1.695	0.000
100YR_004H	PRE-3	BASE	680.26	0.00	0.00	0	0.00	0.00	1.695	0.000
100YR_004H	PRE-3	BASE	684.26	0.00	0.00	0	0.00	0.00	1.695	0.000
100YR_004H	PRE-3	BASE	688.26	0.00	0.00	0	0.00	0.00	1.695	0.000
100YR_004H	PRE-3	BASE	692.26	0.00	0.00	0	0.00	0.00	1.695	0.000
100YR_004H	PRE-3	BASE	696.26	0.00	0.00	0	0.00	0.00	1.695	0.000
100YR_004H	PRE-3	BASE	700.26	0.00	0.00	0	0.00	0.00	1.695	0.000
100YR_004H	PRE-3	BASE	704.26	0.00	0.00	0	0.00	0.00	1.695	0.000
100YR_004H	PRE-3	BASE	708.26	0.00	0.00	0	0.00	0.00	1.695	0.000
100YR_004H	PRE-3	BASE	712.26	0.00	0.00	0	0.00	0.00	1.695	0.000
100YR_004H	PRE-3	BASE	716.26	0.00	0.00	0	0.00	0.00	1.695	0.000
100YR_004H	PRE-3	BASE	720.26	0.00	0.00	0	0.00	0.00	1.695	0.000
100YR_004H	PRE-3	BASE	724.02	0.00	0.00	0	0.00	0.00	1.695	0.000
100YR_008H	PRE-3	BASE	0.00	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_008H	PRE-3	BASE	0.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_008H	PRE-3	BASE	0.50	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_008H	PRE-3	BASE	0.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_008H	PRE-3	BASE	1.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_008H	PRE-3	BASE	1.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_008H	PRE-3	BASE	1.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_008H	PRE-3	BASE	1.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_008H	PRE-3	BASE	2.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_008H	PRE-3	BASE	2.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_008H	PRE-3	BASE	2.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_008H	PRE-3	BASE	2.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_008H	PRE-3	BASE	3.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_008H	PRE-3	BASE	3.25	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_008H	PRE-3	BASE	3.50	0.00	0.00	0	3.88	0.00	0.040	0.000
100YR_008H	PRE-3	BASE	3.75	0.00	0.00	0	12.96	0.00	0.213	0.000
100YR_008H	PRE-3	BASE	4.00	0.00	0.00	0	21.31	0.00	0.567	0.000
100YR_008H	PRE-3	BASE	4.25	0.00	0.00	0	12.20	0.00	0.914	0.000
100YR_008H	PRE-3	BASE	4.50	0.00	0.00	0	11.34	0.00	1.156	0.000
100YR_008H	PRE-3	BASE	4.75	0.00	0.00	0	12.22	0.00	1.401	0.000
100YR_008H	PRE-3	BASE	5.00	0.00	0.00	0	13.07	0.00	1.661	0.000
100YR_008H	PRE-3	BASE	5.25	0.00	0.00	0	6.27	0.00	1.862	0.000
100YR_008H	PRE-3	BASE	5.51	0.00	0.00	0	5.31	0.00	1.983	0.000
100YR_008H	PRE-3	BASE	5.75	0.00	0.00	0	5.39	0.00	2.092	0.000
100YR_008H	PRE-3	BASE	6.00	0.00	0.00	0	5.50	0.00	2.204	0.000
100YR_008H	PRE-3	BASE	6.25	0.00	0.00	0	4.79	0.00	2.311	0.000
100YR_008H	PRE-3	BASE	6.50	0.00	0.00	0	4.75	0.00	2.409	0.000
100YR_008H	PRE-3	BASE	6.75	0.00	0.00	0	4.82	0.00	2.508	0.000
100YR_008H	PRE-3	BASE	7.00	0.00	0.00	0	4.88	0.00	2.608	0.000
100YR_008H	PRE-3	BASE	7.25	0.00	0.00	0	3.24	0.00	2.692	0.000

Project: 17-0373 Legacy Park - Phase 2
Pre-3 Volumes

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_008H	PRE-3	BASE	548.25	0.00	0.00	0	0.00	0.00	2.922	0.000
100YR_008H	PRE-3	BASE	552.25	0.00	0.00	0	0.00	0.00	2.922	0.000
100YR_008H	PRE-3	BASE	556.25	0.00	0.00	0	0.00	0.00	2.922	0.000
100YR_008H	PRE-3	BASE	560.25	0.00	0.00	0	0.00	0.00	2.922	0.000
100YR_008H	PRE-3	BASE	564.25	0.00	0.00	0	0.00	0.00	2.922	0.000
100YR_008H	PRE-3	BASE	568.25	0.00	0.00	0	0.00	0.00	2.922	0.000
100YR_008H	PRE-3	BASE	572.25	0.00	0.00	0	0.00	0.00	2.922	0.000
100YR_008H	PRE-3	BASE	576.25	0.00	0.00	0	0.00	0.00	2.922	0.000
100YR_008H	PRE-3	BASE	580.25	0.00	0.00	0	0.00	0.00	2.922	0.000
100YR_008H	PRE-3	BASE	584.25	0.00	0.00	0	0.00	0.00	2.922	0.000
100YR_008H	PRE-3	BASE	588.25	0.00	0.00	0	0.00	0.00	2.922	0.000
100YR_008H	PRE-3	BASE	592.25	0.00	0.00	0	0.00	0.00	2.922	0.000
100YR_008H	PRE-3	BASE	596.25	0.00	0.00	0	0.00	0.00	2.922	0.000
100YR_008H	PRE-3	BASE	600.25	0.00	0.00	0	0.00	0.00	2.922	0.000
100YR_008H	PRE-3	BASE	604.25	0.00	0.00	0	0.00	0.00	2.922	0.000
100YR_008H	PRE-3	BASE	608.25	0.00	0.00	0	0.00	0.00	2.922	0.000
100YR_008H	PRE-3	BASE	612.25	0.00	0.00	0	0.00	0.00	2.922	0.000
100YR_008H	PRE-3	BASE	616.25	0.00	0.00	0	0.00	0.00	2.922	0.000
100YR_008H	PRE-3	BASE	620.25	0.00	0.00	0	0.00	0.00	2.922	0.000
100YR_008H	PRE-3	BASE	624.25	0.00	0.00	0	0.00	0.00	2.922	0.000
100YR_008H	PRE-3	BASE	628.25	0.00	0.00	0	0.00	0.00	2.922	0.000
100YR_008H	PRE-3	BASE	632.25	0.00	0.00	0	0.00	0.00	2.922	0.000
100YR_008H	PRE-3	BASE	636.25	0.00	0.00	0	0.00	0.00	2.922	0.000
100YR_008H	PRE-3	BASE	640.25	0.00	0.00	0	0.00	0.00	2.922	0.000
100YR_008H	PRE-3	BASE	644.25	0.00	0.00	0	0.00	0.00	2.922	0.000
100YR_008H	PRE-3	BASE	648.25	0.00	0.00	0	0.00	0.00	2.922	0.000
100YR_008H	PRE-3	BASE	652.25	0.00	0.00	0	0.00	0.00	2.922	0.000
100YR_008H	PRE-3	BASE	656.25	0.00	0.00	0	0.00	0.00	2.922	0.000
100YR_008H	PRE-3	BASE	660.25	0.00	0.00	0	0.00	0.00	2.922	0.000
100YR_008H	PRE-3	BASE	664.25	0.00	0.00	0	0.00	0.00	2.922	0.000
100YR_008H	PRE-3	BASE	668.25	0.00	0.00	0	0.00	0.00	2.922	0.000
100YR_008H	PRE-3	BASE	672.25	0.00	0.00	0	0.00	0.00	2.922	0.000
100YR_008H	PRE-3	BASE	676.25	0.00	0.00	0	0.00	0.00	2.922	0.000
100YR_008H	PRE-3	BASE	680.25	0.00	0.00	0	0.00	0.00	2.922	0.000
100YR_008H	PRE-3	BASE	684.25	0.00	0.00	0	0.00	0.00	2.922	0.000
100YR_008H	PRE-3	BASE	688.25	0.00	0.00	0	0.00	0.00	2.922	0.000
100YR_008H	PRE-3	BASE	692.25	0.00	0.00	0	0.00	0.00	2.922	0.000
100YR_008H	PRE-3	BASE	696.25	0.00	0.00	0	0.00	0.00	2.922	0.000
100YR_008H	PRE-3	BASE	700.25	0.00	0.00	0	0.00	0.00	2.922	0.000
100YR_008H	PRE-3	BASE	704.25	0.00	0.00	0	0.00	0.00	2.922	0.000
100YR_008H	PRE-3	BASE	708.25	0.00	0.00	0	0.00	0.00	2.922	0.000
100YR_008H	PRE-3	BASE	712.25	0.00	0.00	0	0.00	0.00	2.922	0.000
100YR_008H	PRE-3	BASE	716.25	0.00	0.00	0	0.00	0.00	2.922	0.000
100YR_008H	PRE-3	BASE	720.25	0.00	0.00	0	0.00	0.00	2.922	0.000
100YR_008H	PRE-3	BASE	724.25	0.00	0.00	0	0.00	0.00	2.922	0.000
100YR_008H	PRE-3	BASE	728.01	0.00	0.00	0	0.00	0.00	2.922	0.000
100YR_024H	PRE-3	BASE	0.00	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_024H	PRE-3	BASE	0.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_024H	PRE-3	BASE	0.50	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_024H	PRE-3	BASE	0.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_024H	PRE-3	BASE	1.02	0.00	0.00	0	0.00	0.00	0.000	0.000

Project: 17-0373 Legacy Park - Phase 2
Pre-3 Volumes

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_024H	PRE-3	BASE	744.01	0.00	0.00	0	0.00	0.00	6.702	0.000
100YR_072H	PRE-3	BASE	0.00	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-3	BASE	0.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-3	BASE	0.50	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-3	BASE	0.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-3	BASE	1.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-3	BASE	1.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-3	BASE	1.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-3	BASE	1.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-3	BASE	2.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-3	BASE	2.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-3	BASE	2.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-3	BASE	2.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-3	BASE	3.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-3	BASE	3.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-3	BASE	3.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-3	BASE	3.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-3	BASE	4.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-3	BASE	4.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-3	BASE	4.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-3	BASE	4.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-3	BASE	5.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-3	BASE	5.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-3	BASE	5.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-3	BASE	5.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-3	BASE	6.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-3	BASE	6.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-3	BASE	6.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-3	BASE	6.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-3	BASE	7.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-3	BASE	7.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-3	BASE	7.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-3	BASE	7.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-3	BASE	8.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-3	BASE	8.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-3	BASE	8.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-3	BASE	8.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-3	BASE	9.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-3	BASE	9.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-3	BASE	9.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-3	BASE	9.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-3	BASE	10.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-3	BASE	10.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-3	BASE	10.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-3	BASE	10.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-3	BASE	11.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-3	BASE	11.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-3	BASE	11.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-3	BASE	11.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-3	BASE	12.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PRE-3	BASE	12.27	0.00	0.00	0	0.00	0.00	0.000	0.000

Project: 17-0373 Legacy Park - Phase 2
Pre-3 Volumes

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_072H	PRE-3	BASE	780.26	0.00	0.00	0	0.00	0.00	10.913	0.000
100YR_072H	PRE-3	BASE	784.26	0.00	0.00	0	0.00	0.00	10.913	0.000
100YR_072H	PRE-3	BASE	788.26	0.00	0.00	0	0.00	0.00	10.913	0.000
100YR_072H	PRE-3	BASE	792.01	0.00	0.00	0	0.00	0.00	10.913	0.000
100YR_168H	PRE-3	BASE	0.00	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-3	BASE	0.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-3	BASE	0.50	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-3	BASE	0.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-3	BASE	1.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-3	BASE	1.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-3	BASE	1.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-3	BASE	1.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-3	BASE	2.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-3	BASE	2.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-3	BASE	2.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-3	BASE	2.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-3	BASE	3.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-3	BASE	3.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-3	BASE	3.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-3	BASE	3.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-3	BASE	4.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-3	BASE	4.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-3	BASE	4.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-3	BASE	4.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-3	BASE	5.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-3	BASE	5.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-3	BASE	5.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-3	BASE	5.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-3	BASE	6.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-3	BASE	6.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-3	BASE	6.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-3	BASE	6.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-3	BASE	7.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-3	BASE	7.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-3	BASE	7.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-3	BASE	7.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-3	BASE	8.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-3	BASE	8.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-3	BASE	8.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-3	BASE	8.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-3	BASE	9.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-3	BASE	9.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-3	BASE	9.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-3	BASE	9.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-3	BASE	10.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-3	BASE	10.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-3	BASE	10.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-3	BASE	10.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-3	BASE	11.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-3	BASE	11.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PRE-3	BASE	11.52	0.00	0.00	0	0.00	0.00	0.000	0.000

Project: 17-0373 Legacy Park - Phase 2
Pre-3 Volumes

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_168H	PRE-3	BASE	856.25	0.00	0.00	0	0.00	0.00	14.649	0.000
100YR_168H	PRE-3	BASE	860.25	0.00	0.00	0	0.00	0.00	14.649	0.000
100YR_168H	PRE-3	BASE	864.25	0.00	0.00	0	0.00	0.00	14.649	0.000
100YR_168H	PRE-3	BASE	868.25	0.00	0.00	0	0.00	0.00	14.649	0.000
100YR_168H	PRE-3	BASE	872.25	0.00	0.00	0	0.00	0.00	14.649	0.000
100YR_168H	PRE-3	BASE	876.25	0.00	0.00	0	0.00	0.00	14.649	0.000
100YR_168H	PRE-3	BASE	880.25	0.00	0.00	0	0.00	0.00	14.649	0.000
100YR_168H	PRE-3	BASE	884.25	0.00	0.00	0	0.00	0.00	14.649	0.000
100YR_168H	PRE-3	BASE	888.01	0.00	0.00	0	0.00	0.00	14.649	0.000
100YR_240H	PRE-3	BASE	0.00	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-3	BASE	0.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-3	BASE	0.50	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-3	BASE	0.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-3	BASE	1.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-3	BASE	1.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-3	BASE	1.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-3	BASE	1.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-3	BASE	2.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-3	BASE	2.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-3	BASE	2.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-3	BASE	2.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-3	BASE	3.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-3	BASE	3.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-3	BASE	3.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-3	BASE	3.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-3	BASE	4.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-3	BASE	4.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-3	BASE	4.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-3	BASE	4.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-3	BASE	5.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-3	BASE	5.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-3	BASE	5.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-3	BASE	5.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-3	BASE	6.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-3	BASE	6.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-3	BASE	6.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-3	BASE	6.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-3	BASE	7.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-3	BASE	7.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-3	BASE	7.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-3	BASE	7.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-3	BASE	8.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-3	BASE	8.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-3	BASE	8.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-3	BASE	8.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-3	BASE	9.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-3	BASE	9.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-3	BASE	9.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-3	BASE	9.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-3	BASE	10.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PRE-3	BASE	10.27	0.00	0.00	0	0.00	0.00	0.000	0.000

Project: 17-0373 Legacy Park - Phase 2
Pre-3 Volumes

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_240H	PRE-3	BASE	844.27	0.00	0.00	0	0.00	0.00	18.270	0.000
100YR_240H	PRE-3	BASE	848.27	0.00	0.00	0	0.00	0.00	18.270	0.000
100YR_240H	PRE-3	BASE	852.27	0.00	0.00	0	0.00	0.00	18.270	0.000
100YR_240H	PRE-3	BASE	856.27	0.00	0.00	0	0.00	0.00	18.270	0.000
100YR_240H	PRE-3	BASE	860.27	0.00	0.00	0	0.00	0.00	18.270	0.000
100YR_240H	PRE-3	BASE	864.27	0.00	0.00	0	0.00	0.00	18.270	0.000
100YR_240H	PRE-3	BASE	868.27	0.00	0.00	0	0.00	0.00	18.270	0.000
100YR_240H	PRE-3	BASE	872.27	0.00	0.00	0	0.00	0.00	18.270	0.000
100YR_240H	PRE-3	BASE	876.27	0.00	0.00	0	0.00	0.00	18.270	0.000
100YR_240H	PRE-3	BASE	880.27	0.00	0.00	0	0.00	0.00	18.270	0.000
100YR_240H	PRE-3	BASE	884.27	0.00	0.00	0	0.00	0.00	18.270	0.000
100YR_240H	PRE-3	BASE	888.27	0.00	0.00	0	0.00	0.00	18.270	0.000
100YR_240H	PRE-3	BASE	892.27	0.00	0.00	0	0.00	0.00	18.270	0.000
100YR_240H	PRE-3	BASE	896.27	0.00	0.00	0	0.00	0.00	18.270	0.000
100YR_240H	PRE-3	BASE	900.27	0.00	0.00	0	0.00	0.00	18.270	0.000
100YR_240H	PRE-3	BASE	904.27	0.00	0.00	0	0.00	0.00	18.270	0.000
100YR_240H	PRE-3	BASE	908.27	0.00	0.00	0	0.00	0.00	18.270	0.000
100YR_240H	PRE-3	BASE	912.27	0.00	0.00	0	0.00	0.00	18.270	0.000
100YR_240H	PRE-3	BASE	916.27	0.00	0.00	0	0.00	0.00	18.270	0.000
100YR_240H	PRE-3	BASE	920.27	0.00	0.00	0	0.00	0.00	18.270	0.000
100YR_240H	PRE-3	BASE	924.27	0.00	0.00	0	0.00	0.00	18.270	0.000
100YR_240H	PRE-3	BASE	928.27	0.00	0.00	0	0.00	0.00	18.270	0.000
100YR_240H	PRE-3	BASE	932.27	0.00	0.00	0	0.00	0.00	18.270	0.000
100YR_240H	PRE-3	BASE	936.27	0.00	0.00	0	0.00	0.00	18.270	0.000
100YR_240H	PRE-3	BASE	940.27	0.00	0.00	0	0.00	0.00	18.270	0.000
100YR_240H	PRE-3	BASE	944.27	0.00	0.00	0	0.00	0.00	18.270	0.000
100YR_240H	PRE-3	BASE	948.27	0.00	0.00	0	0.00	0.00	18.270	0.000
100YR_240H	PRE-3	BASE	952.27	0.00	0.00	0	0.00	0.00	18.270	0.000
100YR_240H	PRE-3	BASE	956.27	0.00	0.00	0	0.00	0.00	18.270	0.000

Project: 17-0373 Legacy Park - Phase 2
Peggy Rd West Rates

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
PEGGY RD WEST	BASE	100YR_001H	0.00	0.00	0.00	0.0000	0	0.00	0.00	0.00	0.00
PEGGY RD WEST	BASE	100YR_002H	0.00	0.00	0.00	0.0000	0	0.00	0.00	0.00	0.00
PEGGY RD WEST	BASE	100YR_004H	0.00	0.00	0.00	0.0000	0	4.02	0.12	0.00	0.00
PEGGY RD WEST	BASE	100YR_008H	0.00	0.00	0.00	0.0000	0	7.34	0.30	0.00	0.00
PEGGY RD WEST	BASE	100YR_024H	0.00	0.00	0.00	0.0000	0	22.04	0.82	0.00	0.00
PEGGY RD WEST	BASE	100YR_072H	0.00	0.00	0.00	0.0000	0	64.33	1.28	0.00	0.00
PEGGY RD WEST	BASE	100YR_168H	0.00	0.00	0.00	0.0000	0	160.04	2.02	0.00	0.00
PEGGY RD WEST	BASE	100YR_240H	0.00	0.00	0.00	0.0000	0	184.04	2.66	0.00	0.00

Project: 17-0373 Legacy Park - Phase 2
Peggy Rd East Rates

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
PEGGY RD EAST	BASE	100YR_001H	0.00	0.00	1.00	0.0000	0	0.75	0.96	0.00	0.00
PEGGY RD EAST	BASE	100YR_002H	0.00	0.00	1.00	0.0000	0	1.83	1.13	0.00	0.00
PEGGY RD EAST	BASE	100YR_004H	0.00	0.00	1.00	0.0000	0	3.00	2.66	0.00	0.00
PEGGY RD EAST	BASE	100YR_008H	0.00	0.00	1.00	0.0000	0	5.00	2.70	0.00	0.00
PEGGY RD EAST	BASE	100YR_024H	0.00	0.00	1.00	0.0000	0	18.99	5.33	0.00	0.00
PEGGY RD EAST	BASE	100YR_072H	0.00	0.00	1.00	0.0000	0	60.00	7.08	0.00	0.00
PEGGY RD EAST	BASE	100YR_168H	0.00	0.00	1.00	0.0000	0	160.00	9.32	0.00	0.00
PEGGY RD EAST	BASE	100YR_240H	0.00	0.00	1.00	0.0000	0	184.00	12.25	0.00	0.00

Project: 17-0373 Legacy Park - Phase 2
Peggy Rd West Volumes

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_001H	PEGGY RD WEST	BASE	593.09	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_001H	PEGGY RD WEST	BASE	597.09	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_001H	PEGGY RD WEST	BASE	601.09	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_001H	PEGGY RD WEST	BASE	605.09	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_001H	PEGGY RD WEST	BASE	609.09	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_001H	PEGGY RD WEST	BASE	613.09	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_001H	PEGGY RD WEST	BASE	617.09	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_001H	PEGGY RD WEST	BASE	621.09	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_001H	PEGGY RD WEST	BASE	625.09	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_001H	PEGGY RD WEST	BASE	629.09	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_001H	PEGGY RD WEST	BASE	633.09	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_001H	PEGGY RD WEST	BASE	637.09	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_001H	PEGGY RD WEST	BASE	641.09	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_001H	PEGGY RD WEST	BASE	645.09	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_001H	PEGGY RD WEST	BASE	649.09	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_001H	PEGGY RD WEST	BASE	653.09	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_001H	PEGGY RD WEST	BASE	657.09	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_001H	PEGGY RD WEST	BASE	661.09	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_001H	PEGGY RD WEST	BASE	665.09	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_001H	PEGGY RD WEST	BASE	669.09	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_001H	PEGGY RD WEST	BASE	673.09	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_001H	PEGGY RD WEST	BASE	677.09	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_001H	PEGGY RD WEST	BASE	681.09	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_001H	PEGGY RD WEST	BASE	685.09	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_001H	PEGGY RD WEST	BASE	689.09	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_001H	PEGGY RD WEST	BASE	693.09	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_001H	PEGGY RD WEST	BASE	697.09	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_001H	PEGGY RD WEST	BASE	701.09	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_001H	PEGGY RD WEST	BASE	705.09	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_001H	PEGGY RD WEST	BASE	709.09	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_001H	PEGGY RD WEST	BASE	713.09	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_001H	PEGGY RD WEST	BASE	717.09	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_001H	PEGGY RD WEST	BASE	721.01	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	0.00	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	0.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	0.50	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	0.75	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	1.00	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	1.25	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	1.50	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	1.76	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	2.01	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	2.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	2.51	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	2.75	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	3.00	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	3.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	3.51	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	3.76	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	4.00	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	4.25	0.00	0.00	0	0.00	0.00	0.000	0.000

Project: 17-0373 Legacy Park - Phase 2
Peggy Rd West Volumes

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_002H	PEGGY RD WEST	BASE	518.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	522.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	526.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	530.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	534.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	538.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	542.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	546.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	550.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	554.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	558.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	562.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	566.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	570.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	574.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	578.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	582.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	586.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	590.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	594.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	598.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	602.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	606.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	610.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	614.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	618.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	622.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	626.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	630.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	634.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	638.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	642.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	646.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	650.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	654.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	658.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	662.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	666.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	670.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	674.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	678.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	682.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	686.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	690.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	694.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	698.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	702.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	706.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	710.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	714.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	718.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD WEST	BASE	722.00	0.00	0.00	0	0.00	0.00	0.000	0.000

Project: 17-0373 Legacy Park - Phase 2
Peggy Rd West Volumes

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_004H	PEGGY RD WEST	BASE	644.25	0.00	0.00	0	0.00	0.00	0.013	0.000
100YR_004H	PEGGY RD WEST	BASE	648.25	0.00	0.00	0	0.00	0.00	0.013	0.000
100YR_004H	PEGGY RD WEST	BASE	652.25	0.00	0.00	0	0.00	0.00	0.013	0.000
100YR_004H	PEGGY RD WEST	BASE	656.25	0.00	0.00	0	0.00	0.00	0.013	0.000
100YR_004H	PEGGY RD WEST	BASE	660.25	0.00	0.00	0	0.00	0.00	0.013	0.000
100YR_004H	PEGGY RD WEST	BASE	664.25	0.00	0.00	0	0.00	0.00	0.013	0.000
100YR_004H	PEGGY RD WEST	BASE	668.25	0.00	0.00	0	0.00	0.00	0.013	0.000
100YR_004H	PEGGY RD WEST	BASE	672.25	0.00	0.00	0	0.00	0.00	0.013	0.000
100YR_004H	PEGGY RD WEST	BASE	676.25	0.00	0.00	0	0.00	0.00	0.013	0.000
100YR_004H	PEGGY RD WEST	BASE	680.25	0.00	0.00	0	0.00	0.00	0.013	0.000
100YR_004H	PEGGY RD WEST	BASE	684.25	0.00	0.00	0	0.00	0.00	0.013	0.000
100YR_004H	PEGGY RD WEST	BASE	688.25	0.00	0.00	0	0.00	0.00	0.013	0.000
100YR_004H	PEGGY RD WEST	BASE	692.25	0.00	0.00	0	0.00	0.00	0.013	0.000
100YR_004H	PEGGY RD WEST	BASE	696.25	0.00	0.00	0	0.00	0.00	0.013	0.000
100YR_004H	PEGGY RD WEST	BASE	700.25	0.00	0.00	0	0.00	0.00	0.013	0.000
100YR_004H	PEGGY RD WEST	BASE	704.25	0.00	0.00	0	0.00	0.00	0.013	0.000
100YR_004H	PEGGY RD WEST	BASE	708.25	0.00	0.00	0	0.00	0.00	0.013	0.000
100YR_004H	PEGGY RD WEST	BASE	712.25	0.00	0.00	0	0.00	0.00	0.013	0.000
100YR_004H	PEGGY RD WEST	BASE	716.25	0.00	0.00	0	0.00	0.00	0.013	0.000
100YR_004H	PEGGY RD WEST	BASE	720.25	0.00	0.00	0	0.00	0.00	0.013	0.000
100YR_004H	PEGGY RD WEST	BASE	724.01	0.00	0.00	0	0.00	0.00	0.013	0.000
100YR_008H	PEGGY RD WEST	BASE	0.00	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_008H	PEGGY RD WEST	BASE	0.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_008H	PEGGY RD WEST	BASE	0.50	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_008H	PEGGY RD WEST	BASE	0.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_008H	PEGGY RD WEST	BASE	1.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_008H	PEGGY RD WEST	BASE	1.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_008H	PEGGY RD WEST	BASE	1.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_008H	PEGGY RD WEST	BASE	1.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_008H	PEGGY RD WEST	BASE	2.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_008H	PEGGY RD WEST	BASE	2.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_008H	PEGGY RD WEST	BASE	2.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_008H	PEGGY RD WEST	BASE	2.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_008H	PEGGY RD WEST	BASE	3.01	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_008H	PEGGY RD WEST	BASE	3.25	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_008H	PEGGY RD WEST	BASE	3.50	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_008H	PEGGY RD WEST	BASE	3.75	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_008H	PEGGY RD WEST	BASE	4.00	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_008H	PEGGY RD WEST	BASE	4.25	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_008H	PEGGY RD WEST	BASE	4.50	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_008H	PEGGY RD WEST	BASE	4.75	0.00	0.00	0	0.04	0.00	0.000	0.000
100YR_008H	PEGGY RD WEST	BASE	5.00	0.00	0.00	0	0.14	0.00	0.002	0.000
100YR_008H	PEGGY RD WEST	BASE	5.25	0.00	0.00	0	0.22	0.00	0.006	0.000
100YR_008H	PEGGY RD WEST	BASE	5.51	0.00	0.00	0	0.24	0.00	0.011	0.000
100YR_008H	PEGGY RD WEST	BASE	5.76	0.00	0.00	0	0.25	0.00	0.016	0.000
100YR_008H	PEGGY RD WEST	BASE	6.01	0.00	0.00	0	0.27	0.00	0.021	0.000
100YR_008H	PEGGY RD WEST	BASE	6.26	0.00	0.00	0	0.28	0.00	0.027	0.000
100YR_008H	PEGGY RD WEST	BASE	6.51	0.00	0.00	0	0.28	0.00	0.033	0.000
100YR_008H	PEGGY RD WEST	BASE	6.76	0.00	0.00	0	0.29	0.00	0.039	0.000
100YR_008H	PEGGY RD WEST	BASE	7.01	0.00	0.00	0	0.30	0.00	0.045	0.000
100YR_008H	PEGGY RD WEST	BASE	7.26	0.00	0.00	0	0.30	0.00	0.051	0.000

Project: 17-0373 Legacy Park - Phase 2
Peggy Rd West Volumes

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_008H	PEGGY RD WEST	BASE	548.26	0.00	0.00	0	0.00	0.00	0.116	0.000
100YR_008H	PEGGY RD WEST	BASE	552.26	0.00	0.00	0	0.00	0.00	0.116	0.000
100YR_008H	PEGGY RD WEST	BASE	556.26	0.00	0.00	0	0.00	0.00	0.116	0.000
100YR_008H	PEGGY RD WEST	BASE	560.26	0.00	0.00	0	0.00	0.00	0.116	0.000
100YR_008H	PEGGY RD WEST	BASE	564.26	0.00	0.00	0	0.00	0.00	0.116	0.000
100YR_008H	PEGGY RD WEST	BASE	568.26	0.00	0.00	0	0.00	0.00	0.116	0.000
100YR_008H	PEGGY RD WEST	BASE	572.26	0.00	0.00	0	0.00	0.00	0.116	0.000
100YR_008H	PEGGY RD WEST	BASE	576.26	0.00	0.00	0	0.00	0.00	0.116	0.000
100YR_008H	PEGGY RD WEST	BASE	580.26	0.00	0.00	0	0.00	0.00	0.116	0.000
100YR_008H	PEGGY RD WEST	BASE	584.26	0.00	0.00	0	0.00	0.00	0.116	0.000
100YR_008H	PEGGY RD WEST	BASE	588.26	0.00	0.00	0	0.00	0.00	0.116	0.000
100YR_008H	PEGGY RD WEST	BASE	592.26	0.00	0.00	0	0.00	0.00	0.116	0.000
100YR_008H	PEGGY RD WEST	BASE	596.26	0.00	0.00	0	0.00	0.00	0.116	0.000
100YR_008H	PEGGY RD WEST	BASE	600.26	0.00	0.00	0	0.00	0.00	0.116	0.000
100YR_008H	PEGGY RD WEST	BASE	604.26	0.00	0.00	0	0.00	0.00	0.116	0.000
100YR_008H	PEGGY RD WEST	BASE	608.26	0.00	0.00	0	0.00	0.00	0.116	0.000
100YR_008H	PEGGY RD WEST	BASE	612.26	0.00	0.00	0	0.00	0.00	0.116	0.000
100YR_008H	PEGGY RD WEST	BASE	616.26	0.00	0.00	0	0.00	0.00	0.116	0.000
100YR_008H	PEGGY RD WEST	BASE	620.26	0.00	0.00	0	0.00	0.00	0.116	0.000
100YR_008H	PEGGY RD WEST	BASE	624.26	0.00	0.00	0	0.00	0.00	0.116	0.000
100YR_008H	PEGGY RD WEST	BASE	628.26	0.00	0.00	0	0.00	0.00	0.116	0.000
100YR_008H	PEGGY RD WEST	BASE	632.26	0.00	0.00	0	0.00	0.00	0.116	0.000
100YR_008H	PEGGY RD WEST	BASE	636.26	0.00	0.00	0	0.00	0.00	0.116	0.000
100YR_008H	PEGGY RD WEST	BASE	640.26	0.00	0.00	0	0.00	0.00	0.116	0.000
100YR_008H	PEGGY RD WEST	BASE	644.26	0.00	0.00	0	0.00	0.00	0.116	0.000
100YR_008H	PEGGY RD WEST	BASE	648.26	0.00	0.00	0	0.00	0.00	0.116	0.000
100YR_008H	PEGGY RD WEST	BASE	652.26	0.00	0.00	0	0.00	0.00	0.116	0.000
100YR_008H	PEGGY RD WEST	BASE	656.26	0.00	0.00	0	0.00	0.00	0.116	0.000
100YR_008H	PEGGY RD WEST	BASE	660.26	0.00	0.00	0	0.00	0.00	0.116	0.000
100YR_008H	PEGGY RD WEST	BASE	664.26	0.00	0.00	0	0.00	0.00	0.116	0.000
100YR_008H	PEGGY RD WEST	BASE	668.26	0.00	0.00	0	0.00	0.00	0.116	0.000
100YR_008H	PEGGY RD WEST	BASE	672.26	0.00	0.00	0	0.00	0.00	0.116	0.000
100YR_008H	PEGGY RD WEST	BASE	676.26	0.00	0.00	0	0.00	0.00	0.116	0.000
100YR_008H	PEGGY RD WEST	BASE	680.26	0.00	0.00	0	0.00	0.00	0.116	0.000
100YR_008H	PEGGY RD WEST	BASE	684.26	0.00	0.00	0	0.00	0.00	0.116	0.000
100YR_008H	PEGGY RD WEST	BASE	688.26	0.00	0.00	0	0.00	0.00	0.116	0.000
100YR_008H	PEGGY RD WEST	BASE	692.26	0.00	0.00	0	0.00	0.00	0.116	0.000
100YR_008H	PEGGY RD WEST	BASE	696.26	0.00	0.00	0	0.00	0.00	0.116	0.000
100YR_008H	PEGGY RD WEST	BASE	700.26	0.00	0.00	0	0.00	0.00	0.116	0.000
100YR_008H	PEGGY RD WEST	BASE	704.26	0.00	0.00	0	0.00	0.00	0.116	0.000
100YR_008H	PEGGY RD WEST	BASE	708.26	0.00	0.00	0	0.00	0.00	0.116	0.000
100YR_008H	PEGGY RD WEST	BASE	712.26	0.00	0.00	0	0.00	0.00	0.116	0.000
100YR_008H	PEGGY RD WEST	BASE	716.26	0.00	0.00	0	0.00	0.00	0.116	0.000
100YR_008H	PEGGY RD WEST	BASE	720.26	0.00	0.00	0	0.00	0.00	0.116	0.000
100YR_008H	PEGGY RD WEST	BASE	724.26	0.00	0.00	0	0.00	0.00	0.116	0.000
100YR_008H	PEGGY RD WEST	BASE	728.02	0.00	0.00	0	0.00	0.00	0.116	0.000
100YR_024H	PEGGY RD WEST	BASE	0.00	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_024H	PEGGY RD WEST	BASE	0.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_024H	PEGGY RD WEST	BASE	0.50	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_024H	PEGGY RD WEST	BASE	0.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_024H	PEGGY RD WEST	BASE	1.02	0.00	0.00	0	0.00	0.00	0.000	0.000

Project: 17-0373 Legacy Park - Phase 2
Peggy Rd West Volumes

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_024H	PEGGY RD WEST	BASE	744.01	0.00	0.00	0	0.00	0.00	0.779	0.000
100YR_072H	PEGGY RD WEST	BASE	0.00	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD WEST	BASE	0.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD WEST	BASE	0.50	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD WEST	BASE	0.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD WEST	BASE	1.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD WEST	BASE	1.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD WEST	BASE	1.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD WEST	BASE	1.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD WEST	BASE	2.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD WEST	BASE	2.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD WEST	BASE	2.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD WEST	BASE	2.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD WEST	BASE	3.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD WEST	BASE	3.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD WEST	BASE	3.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD WEST	BASE	3.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD WEST	BASE	4.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD WEST	BASE	4.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD WEST	BASE	4.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD WEST	BASE	4.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD WEST	BASE	5.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD WEST	BASE	5.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD WEST	BASE	5.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD WEST	BASE	5.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD WEST	BASE	6.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD WEST	BASE	6.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD WEST	BASE	6.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD WEST	BASE	6.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD WEST	BASE	7.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD WEST	BASE	7.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD WEST	BASE	7.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD WEST	BASE	7.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD WEST	BASE	8.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD WEST	BASE	8.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD WEST	BASE	8.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD WEST	BASE	8.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD WEST	BASE	9.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD WEST	BASE	9.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD WEST	BASE	9.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD WEST	BASE	9.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD WEST	BASE	10.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD WEST	BASE	10.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD WEST	BASE	10.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD WEST	BASE	10.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD WEST	BASE	11.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD WEST	BASE	11.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD WEST	BASE	11.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD WEST	BASE	11.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD WEST	BASE	12.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD WEST	BASE	12.27	0.00	0.00	0	0.00	0.00	0.000	0.000

Project: 17-0373 Legacy Park - Phase 2
Peggy Rd West Volumes

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_072H	PEGGY RD WEST	BASE	780.26	0.00	0.00	0	0.00	0.00	3.193	0.000
100YR_072H	PEGGY RD WEST	BASE	784.26	0.00	0.00	0	0.00	0.00	3.193	0.000
100YR_072H	PEGGY RD WEST	BASE	788.26	0.00	0.00	0	0.00	0.00	3.193	0.000
100YR_072H	PEGGY RD WEST	BASE	792.01	0.00	0.00	0	0.00	0.00	3.193	0.000
100YR_168H	PEGGY RD WEST	BASE	0.00	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD WEST	BASE	0.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD WEST	BASE	0.50	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD WEST	BASE	0.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD WEST	BASE	1.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD WEST	BASE	1.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD WEST	BASE	1.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD WEST	BASE	1.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD WEST	BASE	2.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD WEST	BASE	2.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD WEST	BASE	2.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD WEST	BASE	2.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD WEST	BASE	3.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD WEST	BASE	3.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD WEST	BASE	3.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD WEST	BASE	3.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD WEST	BASE	4.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD WEST	BASE	4.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD WEST	BASE	4.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD WEST	BASE	4.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD WEST	BASE	5.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD WEST	BASE	5.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD WEST	BASE	5.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD WEST	BASE	5.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD WEST	BASE	6.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD WEST	BASE	6.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD WEST	BASE	6.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD WEST	BASE	6.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD WEST	BASE	7.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD WEST	BASE	7.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD WEST	BASE	7.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD WEST	BASE	7.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD WEST	BASE	8.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD WEST	BASE	8.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD WEST	BASE	8.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD WEST	BASE	8.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD WEST	BASE	9.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD WEST	BASE	9.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD WEST	BASE	9.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD WEST	BASE	9.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD WEST	BASE	10.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD WEST	BASE	10.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD WEST	BASE	10.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD WEST	BASE	10.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD WEST	BASE	11.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD WEST	BASE	11.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD WEST	BASE	11.52	0.00	0.00	0	0.00	0.00	0.000	0.000

Project: 17-0373 Legacy Park - Phase 2
Peggy Rd West Volumes

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_168H	PEGGY RD WEST	BASE	856.26	0.00	0.00	0	0.00	0.00	5.046	0.000
100YR_168H	PEGGY RD WEST	BASE	860.26	0.00	0.00	0	0.00	0.00	5.046	0.000
100YR_168H	PEGGY RD WEST	BASE	864.26	0.00	0.00	0	0.00	0.00	5.046	0.000
100YR_168H	PEGGY RD WEST	BASE	868.26	0.00	0.00	0	0.00	0.00	5.046	0.000
100YR_168H	PEGGY RD WEST	BASE	872.26	0.00	0.00	0	0.00	0.00	5.046	0.000
100YR_168H	PEGGY RD WEST	BASE	876.26	0.00	0.00	0	0.00	0.00	5.046	0.000
100YR_168H	PEGGY RD WEST	BASE	880.26	0.00	0.00	0	0.00	0.00	5.046	0.000
100YR_168H	PEGGY RD WEST	BASE	884.26	0.00	0.00	0	0.00	0.00	5.046	0.000
100YR_168H	PEGGY RD WEST	BASE	888.01	0.00	0.00	0	0.00	0.00	5.046	0.000
100YR_240H	PEGGY RD WEST	BASE	0.00	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD WEST	BASE	0.26	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD WEST	BASE	0.50	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD WEST	BASE	0.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD WEST	BASE	1.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD WEST	BASE	1.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD WEST	BASE	1.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD WEST	BASE	1.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD WEST	BASE	2.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD WEST	BASE	2.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD WEST	BASE	2.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD WEST	BASE	2.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD WEST	BASE	3.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD WEST	BASE	3.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD WEST	BASE	3.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD WEST	BASE	3.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD WEST	BASE	4.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD WEST	BASE	4.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD WEST	BASE	4.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD WEST	BASE	4.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD WEST	BASE	5.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD WEST	BASE	5.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD WEST	BASE	5.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD WEST	BASE	5.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD WEST	BASE	6.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD WEST	BASE	6.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD WEST	BASE	6.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD WEST	BASE	6.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD WEST	BASE	7.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD WEST	BASE	7.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD WEST	BASE	7.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD WEST	BASE	7.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD WEST	BASE	8.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD WEST	BASE	8.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD WEST	BASE	8.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD WEST	BASE	8.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD WEST	BASE	9.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD WEST	BASE	9.27	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD WEST	BASE	9.52	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD WEST	BASE	9.77	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD WEST	BASE	10.02	0.00	0.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD WEST	BASE	10.27	0.00	0.00	0	0.00	0.00	0.000	0.000

Project: 17-0373 Legacy Park - Phase 2
Peggy Rd West Volumes

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_240H	PEGGY RD WEST	BASE	844.26	0.00	0.00	0	0.00	0.00	7.301	0.000
100YR_240H	PEGGY RD WEST	BASE	848.26	0.00	0.00	0	0.00	0.00	7.301	0.000
100YR_240H	PEGGY RD WEST	BASE	852.26	0.00	0.00	0	0.00	0.00	7.301	0.000
100YR_240H	PEGGY RD WEST	BASE	856.26	0.00	0.00	0	0.00	0.00	7.301	0.000
100YR_240H	PEGGY RD WEST	BASE	860.26	0.00	0.00	0	0.00	0.00	7.301	0.000
100YR_240H	PEGGY RD WEST	BASE	864.26	0.00	0.00	0	0.00	0.00	7.301	0.000
100YR_240H	PEGGY RD WEST	BASE	868.26	0.00	0.00	0	0.00	0.00	7.301	0.000
100YR_240H	PEGGY RD WEST	BASE	872.26	0.00	0.00	0	0.00	0.00	7.301	0.000
100YR_240H	PEGGY RD WEST	BASE	876.26	0.00	0.00	0	0.00	0.00	7.301	0.000
100YR_240H	PEGGY RD WEST	BASE	880.26	0.00	0.00	0	0.00	0.00	7.301	0.000
100YR_240H	PEGGY RD WEST	BASE	884.26	0.00	0.00	0	0.00	0.00	7.301	0.000
100YR_240H	PEGGY RD WEST	BASE	888.26	0.00	0.00	0	0.00	0.00	7.301	0.000
100YR_240H	PEGGY RD WEST	BASE	892.26	0.00	0.00	0	0.00	0.00	7.301	0.000
100YR_240H	PEGGY RD WEST	BASE	896.26	0.00	0.00	0	0.00	0.00	7.301	0.000
100YR_240H	PEGGY RD WEST	BASE	900.26	0.00	0.00	0	0.00	0.00	7.301	0.000
100YR_240H	PEGGY RD WEST	BASE	904.26	0.00	0.00	0	0.00	0.00	7.301	0.000
100YR_240H	PEGGY RD WEST	BASE	908.26	0.00	0.00	0	0.00	0.00	7.301	0.000
100YR_240H	PEGGY RD WEST	BASE	912.26	0.00	0.00	0	0.00	0.00	7.301	0.000
100YR_240H	PEGGY RD WEST	BASE	916.26	0.00	0.00	0	0.00	0.00	7.301	0.000
100YR_240H	PEGGY RD WEST	BASE	920.26	0.00	0.00	0	0.00	0.00	7.301	0.000
100YR_240H	PEGGY RD WEST	BASE	924.26	0.00	0.00	0	0.00	0.00	7.301	0.000
100YR_240H	PEGGY RD WEST	BASE	928.26	0.00	0.00	0	0.00	0.00	7.301	0.000
100YR_240H	PEGGY RD WEST	BASE	932.26	0.00	0.00	0	0.00	0.00	7.301	0.000
100YR_240H	PEGGY RD WEST	BASE	936.26	0.00	0.00	0	0.00	0.00	7.301	0.000
100YR_240H	PEGGY RD WEST	BASE	940.26	0.00	0.00	0	0.00	0.00	7.301	0.000
100YR_240H	PEGGY RD WEST	BASE	944.26	0.00	0.00	0	0.00	0.00	7.301	0.000
100YR_240H	PEGGY RD WEST	BASE	948.26	0.00	0.00	0	0.00	0.00	7.301	0.000
100YR_240H	PEGGY RD WEST	BASE	952.26	0.00	0.00	0	0.00	0.00	7.301	0.000
100YR_240H	PEGGY RD WEST	BASE	956.26	0.00	0.00	0	0.00	0.00	7.301	0.000

Project: 17-0373 Legacy Park - Phase 2
Peggy Rd East Volumes

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_001H	PEGGY RD EAST	BASE	593.09	0.00	1.00	0	0.00	0.00	0.024	0.000
100YR_001H	PEGGY RD EAST	BASE	597.09	0.00	1.00	0	0.00	0.00	0.024	0.000
100YR_001H	PEGGY RD EAST	BASE	601.09	0.00	1.00	0	0.00	0.00	0.024	0.000
100YR_001H	PEGGY RD EAST	BASE	605.09	0.00	1.00	0	0.00	0.00	0.024	0.000
100YR_001H	PEGGY RD EAST	BASE	609.09	0.00	1.00	0	0.00	0.00	0.024	0.000
100YR_001H	PEGGY RD EAST	BASE	613.09	0.00	1.00	0	0.00	0.00	0.024	0.000
100YR_001H	PEGGY RD EAST	BASE	617.09	0.00	1.00	0	0.00	0.00	0.024	0.000
100YR_001H	PEGGY RD EAST	BASE	621.09	0.00	1.00	0	0.00	0.00	0.024	0.000
100YR_001H	PEGGY RD EAST	BASE	625.09	0.00	1.00	0	0.00	0.00	0.024	0.000
100YR_001H	PEGGY RD EAST	BASE	629.09	0.00	1.00	0	0.00	0.00	0.024	0.000
100YR_001H	PEGGY RD EAST	BASE	633.09	0.00	1.00	0	0.00	0.00	0.024	0.000
100YR_001H	PEGGY RD EAST	BASE	637.09	0.00	1.00	0	0.00	0.00	0.024	0.000
100YR_001H	PEGGY RD EAST	BASE	641.09	0.00	1.00	0	0.00	0.00	0.024	0.000
100YR_001H	PEGGY RD EAST	BASE	645.09	0.00	1.00	0	0.00	0.00	0.024	0.000
100YR_001H	PEGGY RD EAST	BASE	649.09	0.00	1.00	0	0.00	0.00	0.024	0.000
100YR_001H	PEGGY RD EAST	BASE	653.09	0.00	1.00	0	0.00	0.00	0.024	0.000
100YR_001H	PEGGY RD EAST	BASE	657.09	0.00	1.00	0	0.00	0.00	0.024	0.000
100YR_001H	PEGGY RD EAST	BASE	661.09	0.00	1.00	0	0.00	0.00	0.024	0.000
100YR_001H	PEGGY RD EAST	BASE	665.09	0.00	1.00	0	0.00	0.00	0.024	0.000
100YR_001H	PEGGY RD EAST	BASE	669.09	0.00	1.00	0	0.00	0.00	0.024	0.000
100YR_001H	PEGGY RD EAST	BASE	673.09	0.00	1.00	0	0.00	0.00	0.024	0.000
100YR_001H	PEGGY RD EAST	BASE	677.09	0.00	1.00	0	0.00	0.00	0.024	0.000
100YR_001H	PEGGY RD EAST	BASE	681.09	0.00	1.00	0	0.00	0.00	0.024	0.000
100YR_001H	PEGGY RD EAST	BASE	685.09	0.00	1.00	0	0.00	0.00	0.024	0.000
100YR_001H	PEGGY RD EAST	BASE	689.09	0.00	1.00	0	0.00	0.00	0.024	0.000
100YR_001H	PEGGY RD EAST	BASE	693.09	0.00	1.00	0	0.00	0.00	0.024	0.000
100YR_001H	PEGGY RD EAST	BASE	697.09	0.00	1.00	0	0.00	0.00	0.024	0.000
100YR_001H	PEGGY RD EAST	BASE	701.09	0.00	1.00	0	0.00	0.00	0.024	0.000
100YR_001H	PEGGY RD EAST	BASE	705.09	0.00	1.00	0	0.00	0.00	0.024	0.000
100YR_001H	PEGGY RD EAST	BASE	709.09	0.00	1.00	0	0.00	0.00	0.024	0.000
100YR_001H	PEGGY RD EAST	BASE	713.09	0.00	1.00	0	0.00	0.00	0.024	0.000
100YR_001H	PEGGY RD EAST	BASE	717.09	0.00	1.00	0	0.00	0.00	0.024	0.000
100YR_001H	PEGGY RD EAST	BASE	721.01	0.00	1.00	0	0.00	0.00	0.024	0.000
100YR_002H	PEGGY RD EAST	BASE	0.00	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD EAST	BASE	0.26	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD EAST	BASE	0.50	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_002H	PEGGY RD EAST	BASE	0.75	0.00	1.00	0	0.06	0.00	0.001	0.000
100YR_002H	PEGGY RD EAST	BASE	1.00	0.00	1.00	0	0.79	0.00	0.009	0.000
100YR_002H	PEGGY RD EAST	BASE	1.25	0.00	1.00	0	0.85	0.00	0.026	0.000
100YR_002H	PEGGY RD EAST	BASE	1.50	0.00	1.00	0	1.03	0.00	0.046	0.000
100YR_002H	PEGGY RD EAST	BASE	1.76	0.00	1.00	0	1.11	0.00	0.068	0.000
100YR_002H	PEGGY RD EAST	BASE	2.01	0.00	1.00	0	1.03	0.00	0.090	0.000
100YR_002H	PEGGY RD EAST	BASE	2.26	0.00	1.00	0	0.69	0.00	0.108	0.000
100YR_002H	PEGGY RD EAST	BASE	2.51	0.00	1.00	0	0.59	0.00	0.122	0.000
100YR_002H	PEGGY RD EAST	BASE	2.75	0.00	1.00	0	0.50	0.00	0.133	0.000
100YR_002H	PEGGY RD EAST	BASE	3.00	0.00	1.00	0	0.40	0.00	0.142	0.000
100YR_002H	PEGGY RD EAST	BASE	3.26	0.00	1.00	0	0.32	0.00	0.149	0.000
100YR_002H	PEGGY RD EAST	BASE	3.51	0.00	1.00	0	0.24	0.00	0.155	0.000
100YR_002H	PEGGY RD EAST	BASE	3.76	0.00	1.00	0	0.17	0.00	0.159	0.000
100YR_002H	PEGGY RD EAST	BASE	4.00	0.00	1.00	0	0.11	0.00	0.162	0.000
100YR_002H	PEGGY RD EAST	BASE	4.25	0.00	1.00	0	0.06	0.00	0.164	0.000

Project: 17-0373 Legacy Park - Phase 2
Peggy Rd East Volumes

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_002H	PEGGY RD EAST	BASE	518.26	0.00	1.00	0	0.00	0.00	0.165	0.000
100YR_002H	PEGGY RD EAST	BASE	522.26	0.00	1.00	0	0.00	0.00	0.165	0.000
100YR_002H	PEGGY RD EAST	BASE	526.26	0.00	1.00	0	0.00	0.00	0.165	0.000
100YR_002H	PEGGY RD EAST	BASE	530.26	0.00	1.00	0	0.00	0.00	0.165	0.000
100YR_002H	PEGGY RD EAST	BASE	534.26	0.00	1.00	0	0.00	0.00	0.165	0.000
100YR_002H	PEGGY RD EAST	BASE	538.26	0.00	1.00	0	0.00	0.00	0.165	0.000
100YR_002H	PEGGY RD EAST	BASE	542.26	0.00	1.00	0	0.00	0.00	0.165	0.000
100YR_002H	PEGGY RD EAST	BASE	546.26	0.00	1.00	0	0.00	0.00	0.165	0.000
100YR_002H	PEGGY RD EAST	BASE	550.26	0.00	1.00	0	0.00	0.00	0.165	0.000
100YR_002H	PEGGY RD EAST	BASE	554.26	0.00	1.00	0	0.00	0.00	0.165	0.000
100YR_002H	PEGGY RD EAST	BASE	558.26	0.00	1.00	0	0.00	0.00	0.165	0.000
100YR_002H	PEGGY RD EAST	BASE	562.26	0.00	1.00	0	0.00	0.00	0.165	0.000
100YR_002H	PEGGY RD EAST	BASE	566.26	0.00	1.00	0	0.00	0.00	0.165	0.000
100YR_002H	PEGGY RD EAST	BASE	570.26	0.00	1.00	0	0.00	0.00	0.165	0.000
100YR_002H	PEGGY RD EAST	BASE	574.26	0.00	1.00	0	0.00	0.00	0.165	0.000
100YR_002H	PEGGY RD EAST	BASE	578.26	0.00	1.00	0	0.00	0.00	0.165	0.000
100YR_002H	PEGGY RD EAST	BASE	582.26	0.00	1.00	0	0.00	0.00	0.165	0.000
100YR_002H	PEGGY RD EAST	BASE	586.26	0.00	1.00	0	0.00	0.00	0.165	0.000
100YR_002H	PEGGY RD EAST	BASE	590.26	0.00	1.00	0	0.00	0.00	0.165	0.000
100YR_002H	PEGGY RD EAST	BASE	594.26	0.00	1.00	0	0.00	0.00	0.165	0.000
100YR_002H	PEGGY RD EAST	BASE	598.26	0.00	1.00	0	0.00	0.00	0.165	0.000
100YR_002H	PEGGY RD EAST	BASE	602.26	0.00	1.00	0	0.00	0.00	0.165	0.000
100YR_002H	PEGGY RD EAST	BASE	606.26	0.00	1.00	0	0.00	0.00	0.165	0.000
100YR_002H	PEGGY RD EAST	BASE	610.26	0.00	1.00	0	0.00	0.00	0.165	0.000
100YR_002H	PEGGY RD EAST	BASE	614.26	0.00	1.00	0	0.00	0.00	0.165	0.000
100YR_002H	PEGGY RD EAST	BASE	618.26	0.00	1.00	0	0.00	0.00	0.165	0.000
100YR_002H	PEGGY RD EAST	BASE	622.26	0.00	1.00	0	0.00	0.00	0.165	0.000
100YR_002H	PEGGY RD EAST	BASE	626.26	0.00	1.00	0	0.00	0.00	0.165	0.000
100YR_002H	PEGGY RD EAST	BASE	630.26	0.00	1.00	0	0.00	0.00	0.165	0.000
100YR_002H	PEGGY RD EAST	BASE	634.26	0.00	1.00	0	0.00	0.00	0.165	0.000
100YR_002H	PEGGY RD EAST	BASE	638.26	0.00	1.00	0	0.00	0.00	0.165	0.000
100YR_002H	PEGGY RD EAST	BASE	642.26	0.00	1.00	0	0.00	0.00	0.165	0.000
100YR_002H	PEGGY RD EAST	BASE	646.26	0.00	1.00	0	0.00	0.00	0.165	0.000
100YR_002H	PEGGY RD EAST	BASE	650.26	0.00	1.00	0	0.00	0.00	0.165	0.000
100YR_002H	PEGGY RD EAST	BASE	654.26	0.00	1.00	0	0.00	0.00	0.165	0.000
100YR_002H	PEGGY RD EAST	BASE	658.26	0.00	1.00	0	0.00	0.00	0.165	0.000
100YR_002H	PEGGY RD EAST	BASE	662.26	0.00	1.00	0	0.00	0.00	0.165	0.000
100YR_002H	PEGGY RD EAST	BASE	666.26	0.00	1.00	0	0.00	0.00	0.165	0.000
100YR_002H	PEGGY RD EAST	BASE	670.26	0.00	1.00	0	0.00	0.00	0.165	0.000
100YR_002H	PEGGY RD EAST	BASE	674.26	0.00	1.00	0	0.00	0.00	0.165	0.000
100YR_002H	PEGGY RD EAST	BASE	678.26	0.00	1.00	0	0.00	0.00	0.165	0.000
100YR_002H	PEGGY RD EAST	BASE	682.26	0.00	1.00	0	0.00	0.00	0.165	0.000
100YR_002H	PEGGY RD EAST	BASE	686.26	0.00	1.00	0	0.00	0.00	0.165	0.000
100YR_002H	PEGGY RD EAST	BASE	690.26	0.00	1.00	0	0.00	0.00	0.165	0.000
100YR_002H	PEGGY RD EAST	BASE	694.26	0.00	1.00	0	0.00	0.00	0.165	0.000
100YR_002H	PEGGY RD EAST	BASE	698.26	0.00	1.00	0	0.00	0.00	0.165	0.000
100YR_002H	PEGGY RD EAST	BASE	702.26	0.00	1.00	0	0.00	0.00	0.165	0.000
100YR_002H	PEGGY RD EAST	BASE	706.26	0.00	1.00	0	0.00	0.00	0.165	0.000
100YR_002H	PEGGY RD EAST	BASE	710.26	0.00	1.00	0	0.00	0.00	0.165	0.000
100YR_002H	PEGGY RD EAST	BASE	714.26	0.00	1.00	0	0.00	0.00	0.165	0.000
100YR_002H	PEGGY RD EAST	BASE	718.26	0.00	1.00	0	0.00	0.00	0.165	0.000
100YR_002H	PEGGY RD EAST	BASE	722.00	0.00	1.00	0	0.00	0.00	0.165	0.000

Project: 17-0373 Legacy Park - Phase 2
Peggy Rd East Volumes

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_004H	PEGGY RD EAST	BASE	644.25	0.00	1.00	0	0.00	0.00	0.823	0.000
100YR_004H	PEGGY RD EAST	BASE	648.25	0.00	1.00	0	0.00	0.00	0.823	0.000
100YR_004H	PEGGY RD EAST	BASE	652.25	0.00	1.00	0	0.00	0.00	0.823	0.000
100YR_004H	PEGGY RD EAST	BASE	656.25	0.00	1.00	0	0.00	0.00	0.823	0.000
100YR_004H	PEGGY RD EAST	BASE	660.25	0.00	1.00	0	0.00	0.00	0.823	0.000
100YR_004H	PEGGY RD EAST	BASE	664.25	0.00	1.00	0	0.00	0.00	0.823	0.000
100YR_004H	PEGGY RD EAST	BASE	668.25	0.00	1.00	0	0.00	0.00	0.823	0.000
100YR_004H	PEGGY RD EAST	BASE	672.25	0.00	1.00	0	0.00	0.00	0.823	0.000
100YR_004H	PEGGY RD EAST	BASE	676.25	0.00	1.00	0	0.00	0.00	0.823	0.000
100YR_004H	PEGGY RD EAST	BASE	680.25	0.00	1.00	0	0.00	0.00	0.823	0.000
100YR_004H	PEGGY RD EAST	BASE	684.25	0.00	1.00	0	0.00	0.00	0.823	0.000
100YR_004H	PEGGY RD EAST	BASE	688.25	0.00	1.00	0	0.00	0.00	0.823	0.000
100YR_004H	PEGGY RD EAST	BASE	692.25	0.00	1.00	0	0.00	0.00	0.823	0.000
100YR_004H	PEGGY RD EAST	BASE	696.25	0.00	1.00	0	0.00	0.00	0.823	0.000
100YR_004H	PEGGY RD EAST	BASE	700.25	0.00	1.00	0	0.00	0.00	0.823	0.000
100YR_004H	PEGGY RD EAST	BASE	704.25	0.00	1.00	0	0.00	0.00	0.823	0.000
100YR_004H	PEGGY RD EAST	BASE	708.25	0.00	1.00	0	0.00	0.00	0.823	0.000
100YR_004H	PEGGY RD EAST	BASE	712.25	0.00	1.00	0	0.00	0.00	0.823	0.000
100YR_004H	PEGGY RD EAST	BASE	716.25	0.00	1.00	0	0.00	0.00	0.823	0.000
100YR_004H	PEGGY RD EAST	BASE	720.25	0.00	1.00	0	0.00	0.00	0.823	0.000
100YR_004H	PEGGY RD EAST	BASE	724.01	0.00	1.00	0	0.00	0.00	0.823	0.000
100YR_008H	PEGGY RD EAST	BASE	0.00	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_008H	PEGGY RD EAST	BASE	0.26	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_008H	PEGGY RD EAST	BASE	0.50	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_008H	PEGGY RD EAST	BASE	0.77	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_008H	PEGGY RD EAST	BASE	1.02	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_008H	PEGGY RD EAST	BASE	1.27	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_008H	PEGGY RD EAST	BASE	1.52	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_008H	PEGGY RD EAST	BASE	1.77	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_008H	PEGGY RD EAST	BASE	2.02	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_008H	PEGGY RD EAST	BASE	2.27	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_008H	PEGGY RD EAST	BASE	2.52	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_008H	PEGGY RD EAST	BASE	2.77	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_008H	PEGGY RD EAST	BASE	3.01	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_008H	PEGGY RD EAST	BASE	3.25	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_008H	PEGGY RD EAST	BASE	3.50	0.00	1.00	0	0.54	0.00	0.006	0.000
100YR_008H	PEGGY RD EAST	BASE	3.75	0.00	1.00	0	1.35	0.00	0.025	0.000
100YR_008H	PEGGY RD EAST	BASE	4.00	0.00	1.00	0	2.68	0.00	0.067	0.000
100YR_008H	PEGGY RD EAST	BASE	4.25	0.00	1.00	0	1.99	0.00	0.115	0.000
100YR_008H	PEGGY RD EAST	BASE	4.50	0.00	1.00	0	2.21	0.00	0.159	0.000
100YR_008H	PEGGY RD EAST	BASE	4.75	0.00	1.00	0	2.41	0.00	0.207	0.000
100YR_008H	PEGGY RD EAST	BASE	5.00	0.00	1.00	0	2.70	0.00	0.259	0.000
100YR_008H	PEGGY RD EAST	BASE	5.25	0.00	1.00	0	2.16	0.00	0.309	0.000
100YR_008H	PEGGY RD EAST	BASE	5.51	0.00	1.00	0	2.21	0.00	0.356	0.000
100YR_008H	PEGGY RD EAST	BASE	5.76	0.00	1.00	0	2.26	0.00	0.401	0.000
100YR_008H	PEGGY RD EAST	BASE	6.01	0.00	1.00	0	2.31	0.00	0.449	0.000
100YR_008H	PEGGY RD EAST	BASE	6.26	0.00	1.00	0	2.27	0.00	0.496	0.000
100YR_008H	PEGGY RD EAST	BASE	6.51	0.00	1.00	0	2.28	0.00	0.543	0.000
100YR_008H	PEGGY RD EAST	BASE	6.76	0.00	1.00	0	2.30	0.00	0.590	0.000
100YR_008H	PEGGY RD EAST	BASE	7.01	0.00	1.00	0	2.31	0.00	0.638	0.000
100YR_008H	PEGGY RD EAST	BASE	7.26	0.00	1.00	0	2.13	0.00	0.684	0.000

Project: 17-0373 Legacy Park - Phase 2
Peggy Rd East Volumes

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_008H	PEGGY RD EAST	BASE	548.26	0.00	1.00	0	0.00	0.00	1.860	0.000
100YR_008H	PEGGY RD EAST	BASE	552.26	0.00	1.00	0	0.00	0.00	1.860	0.000
100YR_008H	PEGGY RD EAST	BASE	556.26	0.00	1.00	0	0.00	0.00	1.860	0.000
100YR_008H	PEGGY RD EAST	BASE	560.26	0.00	1.00	0	0.00	0.00	1.860	0.000
100YR_008H	PEGGY RD EAST	BASE	564.26	0.00	1.00	0	0.00	0.00	1.860	0.000
100YR_008H	PEGGY RD EAST	BASE	568.26	0.00	1.00	0	0.00	0.00	1.860	0.000
100YR_008H	PEGGY RD EAST	BASE	572.26	0.00	1.00	0	0.00	0.00	1.860	0.000
100YR_008H	PEGGY RD EAST	BASE	576.26	0.00	1.00	0	0.00	0.00	1.860	0.000
100YR_008H	PEGGY RD EAST	BASE	580.26	0.00	1.00	0	0.00	0.00	1.860	0.000
100YR_008H	PEGGY RD EAST	BASE	584.26	0.00	1.00	0	0.00	0.00	1.860	0.000
100YR_008H	PEGGY RD EAST	BASE	588.26	0.00	1.00	0	0.00	0.00	1.860	0.000
100YR_008H	PEGGY RD EAST	BASE	592.26	0.00	1.00	0	0.00	0.00	1.860	0.000
100YR_008H	PEGGY RD EAST	BASE	596.26	0.00	1.00	0	0.00	0.00	1.860	0.000
100YR_008H	PEGGY RD EAST	BASE	600.26	0.00	1.00	0	0.00	0.00	1.860	0.000
100YR_008H	PEGGY RD EAST	BASE	604.26	0.00	1.00	0	0.00	0.00	1.860	0.000
100YR_008H	PEGGY RD EAST	BASE	608.26	0.00	1.00	0	0.00	0.00	1.860	0.000
100YR_008H	PEGGY RD EAST	BASE	612.26	0.00	1.00	0	0.00	0.00	1.860	0.000
100YR_008H	PEGGY RD EAST	BASE	616.26	0.00	1.00	0	0.00	0.00	1.860	0.000
100YR_008H	PEGGY RD EAST	BASE	620.26	0.00	1.00	0	0.00	0.00	1.860	0.000
100YR_008H	PEGGY RD EAST	BASE	624.26	0.00	1.00	0	0.00	0.00	1.860	0.000
100YR_008H	PEGGY RD EAST	BASE	628.26	0.00	1.00	0	0.00	0.00	1.860	0.000
100YR_008H	PEGGY RD EAST	BASE	632.26	0.00	1.00	0	0.00	0.00	1.860	0.000
100YR_008H	PEGGY RD EAST	BASE	636.26	0.00	1.00	0	0.00	0.00	1.860	0.000
100YR_008H	PEGGY RD EAST	BASE	640.26	0.00	1.00	0	0.00	0.00	1.860	0.000
100YR_008H	PEGGY RD EAST	BASE	644.26	0.00	1.00	0	0.00	0.00	1.860	0.000
100YR_008H	PEGGY RD EAST	BASE	648.26	0.00	1.00	0	0.00	0.00	1.860	0.000
100YR_008H	PEGGY RD EAST	BASE	652.26	0.00	1.00	0	0.00	0.00	1.860	0.000
100YR_008H	PEGGY RD EAST	BASE	656.26	0.00	1.00	0	0.00	0.00	1.860	0.000
100YR_008H	PEGGY RD EAST	BASE	660.26	0.00	1.00	0	0.00	0.00	1.860	0.000
100YR_008H	PEGGY RD EAST	BASE	664.26	0.00	1.00	0	0.00	0.00	1.860	0.000
100YR_008H	PEGGY RD EAST	BASE	668.26	0.00	1.00	0	0.00	0.00	1.860	0.000
100YR_008H	PEGGY RD EAST	BASE	672.26	0.00	1.00	0	0.00	0.00	1.860	0.000
100YR_008H	PEGGY RD EAST	BASE	676.26	0.00	1.00	0	0.00	0.00	1.860	0.000
100YR_008H	PEGGY RD EAST	BASE	680.26	0.00	1.00	0	0.00	0.00	1.860	0.000
100YR_008H	PEGGY RD EAST	BASE	684.26	0.00	1.00	0	0.00	0.00	1.860	0.000
100YR_008H	PEGGY RD EAST	BASE	688.26	0.00	1.00	0	0.00	0.00	1.860	0.000
100YR_008H	PEGGY RD EAST	BASE	692.26	0.00	1.00	0	0.00	0.00	1.860	0.000
100YR_008H	PEGGY RD EAST	BASE	696.26	0.00	1.00	0	0.00	0.00	1.860	0.000
100YR_008H	PEGGY RD EAST	BASE	700.26	0.00	1.00	0	0.00	0.00	1.860	0.000
100YR_008H	PEGGY RD EAST	BASE	704.26	0.00	1.00	0	0.00	0.00	1.860	0.000
100YR_008H	PEGGY RD EAST	BASE	708.26	0.00	1.00	0	0.00	0.00	1.860	0.000
100YR_008H	PEGGY RD EAST	BASE	712.26	0.00	1.00	0	0.00	0.00	1.860	0.000
100YR_008H	PEGGY RD EAST	BASE	716.26	0.00	1.00	0	0.00	0.00	1.860	0.000
100YR_008H	PEGGY RD EAST	BASE	720.26	0.00	1.00	0	0.00	0.00	1.860	0.000
100YR_008H	PEGGY RD EAST	BASE	724.26	0.00	1.00	0	0.00	0.00	1.860	0.000
100YR_008H	PEGGY RD EAST	BASE	728.02	0.00	1.00	0	0.00	0.00	1.860	0.000
100YR_024H	PEGGY RD EAST	BASE	0.00	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_024H	PEGGY RD EAST	BASE	0.26	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_024H	PEGGY RD EAST	BASE	0.50	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_024H	PEGGY RD EAST	BASE	0.77	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_024H	PEGGY RD EAST	BASE	1.02	0.00	1.00	0	0.00	0.00	0.000	0.000

Project: 17-0373 Legacy Park - Phase 2
Peggy Rd East Volumes

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_024H	PEGGY RD EAST	BASE	744.01	0.00	1.00	0	0.00	0.00	5.879	0.000
100YR_072H	PEGGY RD EAST	BASE	0.00	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD EAST	BASE	0.26	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD EAST	BASE	0.50	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD EAST	BASE	0.77	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD EAST	BASE	1.02	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD EAST	BASE	1.27	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD EAST	BASE	1.52	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD EAST	BASE	1.77	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD EAST	BASE	2.02	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD EAST	BASE	2.27	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD EAST	BASE	2.52	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD EAST	BASE	2.77	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD EAST	BASE	3.02	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD EAST	BASE	3.27	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD EAST	BASE	3.52	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD EAST	BASE	3.77	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD EAST	BASE	4.02	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD EAST	BASE	4.27	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD EAST	BASE	4.52	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD EAST	BASE	4.77	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD EAST	BASE	5.02	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD EAST	BASE	5.27	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD EAST	BASE	5.52	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD EAST	BASE	5.77	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD EAST	BASE	6.02	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD EAST	BASE	6.27	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD EAST	BASE	6.52	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD EAST	BASE	6.77	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD EAST	BASE	7.02	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD EAST	BASE	7.27	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD EAST	BASE	7.52	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD EAST	BASE	7.77	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD EAST	BASE	8.02	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD EAST	BASE	8.27	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD EAST	BASE	8.52	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD EAST	BASE	8.77	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD EAST	BASE	9.02	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD EAST	BASE	9.27	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD EAST	BASE	9.52	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD EAST	BASE	9.77	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD EAST	BASE	10.02	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD EAST	BASE	10.27	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD EAST	BASE	10.52	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD EAST	BASE	10.77	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD EAST	BASE	11.02	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD EAST	BASE	11.27	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD EAST	BASE	11.52	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD EAST	BASE	11.77	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD EAST	BASE	12.02	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_072H	PEGGY RD EAST	BASE	12.27	0.00	1.00	0	0.00	0.00	0.000	0.000

Project: 17-0373 Legacy Park - Phase 2
Peggy Rd East Volumes

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_072H	PEGGY RD EAST	BASE	780.26	0.00	1.00	0	0.00	0.00	10.647	0.000
100YR_072H	PEGGY RD EAST	BASE	784.26	0.00	1.00	0	0.00	0.00	10.647	0.000
100YR_072H	PEGGY RD EAST	BASE	788.26	0.00	1.00	0	0.00	0.00	10.647	0.000
100YR_072H	PEGGY RD EAST	BASE	792.01	0.00	1.00	0	0.00	0.00	10.647	0.000
100YR_168H	PEGGY RD EAST	BASE	0.00	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD EAST	BASE	0.26	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD EAST	BASE	0.50	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD EAST	BASE	0.77	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD EAST	BASE	1.02	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD EAST	BASE	1.27	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD EAST	BASE	1.52	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD EAST	BASE	1.77	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD EAST	BASE	2.02	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD EAST	BASE	2.27	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD EAST	BASE	2.52	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD EAST	BASE	2.77	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD EAST	BASE	3.02	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD EAST	BASE	3.27	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD EAST	BASE	3.52	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD EAST	BASE	3.77	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD EAST	BASE	4.02	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD EAST	BASE	4.27	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD EAST	BASE	4.52	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD EAST	BASE	4.77	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD EAST	BASE	5.02	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD EAST	BASE	5.27	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD EAST	BASE	5.52	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD EAST	BASE	5.77	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD EAST	BASE	6.02	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD EAST	BASE	6.27	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD EAST	BASE	6.52	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD EAST	BASE	6.77	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD EAST	BASE	7.02	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD EAST	BASE	7.27	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD EAST	BASE	7.52	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD EAST	BASE	7.77	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD EAST	BASE	8.02	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD EAST	BASE	8.27	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD EAST	BASE	8.52	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD EAST	BASE	8.77	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD EAST	BASE	9.02	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD EAST	BASE	9.27	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD EAST	BASE	9.52	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD EAST	BASE	9.77	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD EAST	BASE	10.02	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD EAST	BASE	10.27	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD EAST	BASE	10.52	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD EAST	BASE	10.77	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD EAST	BASE	11.02	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD EAST	BASE	11.27	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_168H	PEGGY RD EAST	BASE	11.52	0.00	1.00	0	0.00	0.00	0.000	0.000

Project: 17-0373 Legacy Park - Phase 2
Peggy Rd East Volumes

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_168H	PEGGY RD EAST	BASE	856.26	0.00	1.00	0	0.00	0.00	14.371	0.000
100YR_168H	PEGGY RD EAST	BASE	860.26	0.00	1.00	0	0.00	0.00	14.371	0.000
100YR_168H	PEGGY RD EAST	BASE	864.26	0.00	1.00	0	0.00	0.00	14.371	0.000
100YR_168H	PEGGY RD EAST	BASE	868.26	0.00	1.00	0	0.00	0.00	14.371	0.000
100YR_168H	PEGGY RD EAST	BASE	872.26	0.00	1.00	0	0.00	0.00	14.371	0.000
100YR_168H	PEGGY RD EAST	BASE	876.26	0.00	1.00	0	0.00	0.00	14.371	0.000
100YR_168H	PEGGY RD EAST	BASE	880.26	0.00	1.00	0	0.00	0.00	14.371	0.000
100YR_168H	PEGGY RD EAST	BASE	884.26	0.00	1.00	0	0.00	0.00	14.371	0.000
100YR_168H	PEGGY RD EAST	BASE	888.01	0.00	1.00	0	0.00	0.00	14.371	0.000
100YR_240H	PEGGY RD EAST	BASE	0.00	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD EAST	BASE	0.26	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD EAST	BASE	0.50	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD EAST	BASE	0.77	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD EAST	BASE	1.02	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD EAST	BASE	1.27	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD EAST	BASE	1.52	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD EAST	BASE	1.77	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD EAST	BASE	2.02	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD EAST	BASE	2.27	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD EAST	BASE	2.52	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD EAST	BASE	2.77	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD EAST	BASE	3.02	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD EAST	BASE	3.27	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD EAST	BASE	3.52	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD EAST	BASE	3.77	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD EAST	BASE	4.02	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD EAST	BASE	4.27	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD EAST	BASE	4.52	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD EAST	BASE	4.77	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD EAST	BASE	5.02	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD EAST	BASE	5.27	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD EAST	BASE	5.52	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD EAST	BASE	5.77	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD EAST	BASE	6.02	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD EAST	BASE	6.27	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD EAST	BASE	6.52	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD EAST	BASE	6.77	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD EAST	BASE	7.02	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD EAST	BASE	7.27	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD EAST	BASE	7.52	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD EAST	BASE	7.77	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD EAST	BASE	8.02	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD EAST	BASE	8.27	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD EAST	BASE	8.52	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD EAST	BASE	8.77	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD EAST	BASE	9.02	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD EAST	BASE	9.27	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD EAST	BASE	9.52	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD EAST	BASE	9.77	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD EAST	BASE	10.02	0.00	1.00	0	0.00	0.00	0.000	0.000
100YR_240H	PEGGY RD EAST	BASE	10.27	0.00	1.00	0	0.00	0.00	0.000	0.000

Project: 17-0373 Legacy Park - Phase 2
Peggy Rd East Volumes

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_240H	PEGGY RD EAST	BASE	844.26	0.00	1.00	0	0.00	0.00	18.202	0.000
100YR_240H	PEGGY RD EAST	BASE	848.26	0.00	1.00	0	0.00	0.00	18.202	0.000
100YR_240H	PEGGY RD EAST	BASE	852.26	0.00	1.00	0	0.00	0.00	18.202	0.000
100YR_240H	PEGGY RD EAST	BASE	856.26	0.00	1.00	0	0.00	0.00	18.202	0.000
100YR_240H	PEGGY RD EAST	BASE	860.26	0.00	1.00	0	0.00	0.00	18.202	0.000
100YR_240H	PEGGY RD EAST	BASE	864.26	0.00	1.00	0	0.00	0.00	18.202	0.000
100YR_240H	PEGGY RD EAST	BASE	868.26	0.00	1.00	0	0.00	0.00	18.202	0.000
100YR_240H	PEGGY RD EAST	BASE	872.26	0.00	1.00	0	0.00	0.00	18.202	0.000
100YR_240H	PEGGY RD EAST	BASE	876.26	0.00	1.00	0	0.00	0.00	18.202	0.000
100YR_240H	PEGGY RD EAST	BASE	880.26	0.00	1.00	0	0.00	0.00	18.202	0.000
100YR_240H	PEGGY RD EAST	BASE	884.26	0.00	1.00	0	0.00	0.00	18.202	0.000
100YR_240H	PEGGY RD EAST	BASE	888.26	0.00	1.00	0	0.00	0.00	18.202	0.000
100YR_240H	PEGGY RD EAST	BASE	892.26	0.00	1.00	0	0.00	0.00	18.202	0.000
100YR_240H	PEGGY RD EAST	BASE	896.26	0.00	1.00	0	0.00	0.00	18.202	0.000
100YR_240H	PEGGY RD EAST	BASE	900.26	0.00	1.00	0	0.00	0.00	18.202	0.000
100YR_240H	PEGGY RD EAST	BASE	904.26	0.00	1.00	0	0.00	0.00	18.202	0.000
100YR_240H	PEGGY RD EAST	BASE	908.26	0.00	1.00	0	0.00	0.00	18.202	0.000
100YR_240H	PEGGY RD EAST	BASE	912.26	0.00	1.00	0	0.00	0.00	18.202	0.000
100YR_240H	PEGGY RD EAST	BASE	916.26	0.00	1.00	0	0.00	0.00	18.202	0.000
100YR_240H	PEGGY RD EAST	BASE	920.26	0.00	1.00	0	0.00	0.00	18.202	0.000
100YR_240H	PEGGY RD EAST	BASE	924.26	0.00	1.00	0	0.00	0.00	18.202	0.000
100YR_240H	PEGGY RD EAST	BASE	928.26	0.00	1.00	0	0.00	0.00	18.202	0.000
100YR_240H	PEGGY RD EAST	BASE	932.26	0.00	1.00	0	0.00	0.00	18.202	0.000
100YR_240H	PEGGY RD EAST	BASE	936.26	0.00	1.00	0	0.00	0.00	18.202	0.000
100YR_240H	PEGGY RD EAST	BASE	940.26	0.00	1.00	0	0.00	0.00	18.202	0.000
100YR_240H	PEGGY RD EAST	BASE	944.26	0.00	1.00	0	0.00	0.00	18.202	0.000
100YR_240H	PEGGY RD EAST	BASE	948.26	0.00	1.00	0	0.00	0.00	18.202	0.000
100YR_240H	PEGGY RD EAST	BASE	952.26	0.00	1.00	0	0.00	0.00	18.202	0.000
100YR_240H	PEGGY RD EAST	BASE	956.26	0.00	1.00	0	0.00	0.00	18.202	0.000

Project: 17-0373 Legacy Park - Phase 2
SMF Peak Stages

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
SMF-1	BASE	100YR_001H	0.98	90.82	95.50	0.0039	38373	0.67	31.19	0.98	3.11
SMF-1	BASE	100YR_002H	2.04	91.25	95.50	0.0039	39746	0.83	31.17	2.04	3.22
SMF-1	BASE	100YR_004H	3.64	92.04	95.50	0.0049	42258	2.50	22.63	3.64	3.43
SMF-1	BASE	100YR_008H	7.04	92.42	95.50	0.0050	43520	4.00	28.15	7.04	3.87
SMF-1	BASE	100YR_024H	22.08	93.37	95.50	0.0049	46686	12.00	10.03	16.35	3.68
SMF-1	BASE	100YR_072H	64.12	94.78	95.50	0.0049	51560	60.00	8.98	36.10	2.97
SMF-1	BASE	100YR_168H	160.04	95.24	95.50	0.0041	53171	159.91	6.77	160.04	5.22
SMF-1	BASE	100YR_240H	184.04	95.39	95.50	0.0050	53718	184.00	8.80	184.03	7.03
SMF-2	BASE	100YR_001H	0.95	112.05	114.50	0.0050	4862	0.67	4.25	0.95	0.56
SMF-2	BASE	100YR_002H	1.91	112.37	114.50	0.0050	5301	0.83	4.23	1.91	0.66
SMF-2	BASE	100YR_004H	3.51	112.97	114.50	0.0050	6148	2.50	2.92	3.51	0.81
SMF-2	BASE	100YR_008H	5.12	113.15	114.50	0.0050	6421	4.00	3.62	5.12	0.85
SMF-2	BASE	100YR_024H	16.05	112.74	114.50	-0.0050	5825	12.00	1.28	16.05	0.75
SMF-2	BASE	100YR_072H	60.11	112.77	114.50	0.0044	5868	60.00	1.11	60.11	0.76
SMF-2	BASE	100YR_168H	160.02	112.64	114.50	0.0050	5686	159.91	0.83	160.02	0.72
SMF-2	BASE	100YR_240H	184.04	113.25	114.50	0.0045	6567	184.00	1.08	184.04	0.86
SMF-3	BASE	100YR_001H	1.00	89.04	91.50	0.0050	37674	0.67	32.59	1.00	2.47
SMF-3	BASE	100YR_002H	2.05	89.46	91.50	0.0048	39104	0.83	32.06	2.05	3.20
SMF-3	BASE	100YR_004H	3.60	90.08	91.50	0.0046	41164	2.50	20.30	3.60	4.02
SMF-3	BASE	100YR_008H	6.21	90.30	91.50	0.0050	41906	4.00	24.81	6.21	4.22
SMF-3	BASE	100YR_024H	19.08	91.05	91.50	0.0050	44463	12.00	8.99	19.06	4.27
SMF-3	BASE	100YR_072H	60.12	91.20	91.50	0.0050	44920	59.99	7.41	60.11	5.17
SMF-3	BASE	100YR_168H	160.01	91.22	91.50	0.0034	44969	159.92	5.58	160.01	5.18
SMF-3	BASE	100YR_240H	184.01	91.45	91.50	0.0034	45680	184.00	7.21	184.01	6.80
SMF-4	BASE	100YR_001H	1.22	89.26	94.00	0.0027	29217	0.92	7.76	1.22	1.44
SMF-4	BASE	100YR_002H	2.21	89.60	94.00	0.0028	30655	1.08	7.24	2.21	1.51
SMF-4	BASE	100YR_004H	4.02	90.27	94.00	0.0032	33495	2.58	11.10	4.02	1.77
SMF-4	BASE	100YR_008H	7.34	90.69	94.00	0.0031	35280	4.08	13.73	7.34	2.04
SMF-4	BASE	100YR_024H	21.31	91.45	94.00	0.0034	38577	12.08	5.74	21.31	2.37
SMF-4	BASE	100YR_072H	68.19	92.79	94.00	0.0040	44589	60.00	6.67	40.15	1.46
SMF-4	BASE	100YR_168H	160.48	93.68	94.00	0.0040	48626	159.91	5.33	160.16	1.36
SMF-4	BASE	100YR_240H	192.13	93.76	94.00	0.0036	49008	184.00	6.87	184.17	1.50

Project: 17-0373 Legacy Park - Phase 2
SMF-1 Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af	
100YR_001H	SMF-1	BASE	0.00	90.00	95.50	35850	0.00	0.00	0.000	0.000	
100YR_001H	SMF-1	BASE	0.08	90.00	95.50	35850	0.00	0.00	0.000	0.000	
100YR_001H	SMF-1	BASE	0.18	90.00	95.50	35850	0.00	0.00	0.000	0.000	
100YR_001H	SMF-1	BASE	0.26	90.00	95.50	35850	0.00	0.00	0.000	0.000	
100YR_001H	SMF-1	BASE	0.34	90.00	95.50	35850	0.01	0.01	0.000	0.000	
100YR_001H	SMF-1	BASE	0.42	90.00	95.50	35851	0.28	0.28	0.001	0.001	
100YR_001H	SMF-1	BASE	0.50	90.03	95.50	35929	10.77	2.91	0.039	0.012	
100YR_001H	SMF-1	BASE	0.58	90.16	95.50	36331	26.76	2.94	0.167	0.032	
100YR_001H	SMF-1	BASE	0.67	90.37	95.50	36988	31.19	3.00	0.366	0.052	
100YR_001H	SMF-1	BASE	0.75	90.58	95.50	37630	26.56	3.05	0.564	0.073	
100YR_001H	SMF-1	BASE	0.83	90.73	95.50	38117	19.27	3.09	0.722	0.094	
100YR_001H	SMF-1	BASE	0.92	90.81	95.50	38349	5.79	3.11	0.812	0.116	
100YR_001H	SMF-1	BASE	1.00	90.81	95.50	38369	2.14	3.11	0.839	0.138	
100YR_001H	SMF-1	BASE	1.09	90.80	95.50	38326	0.60	3.11	0.849	0.159	
100YR_001H	SMF-1	BASE	1.17	90.78	95.50	38262	0.07	3.10	0.851	0.180	
100YR_001H	SMF-1	BASE	1.25	90.75	95.50	38185	0.01	3.09	0.851	0.202	
100YR_001H	SMF-1	BASE	1.34	90.73	95.50	38112	0.00	3.09	0.851	0.223	
100YR_001H	SMF-1	BASE	1.42	90.71	95.50	38033	0.00	3.08	0.851	0.245	
100YR_001H	SMF-1	BASE	1.50	90.68	95.50	37960	0.00	3.08	0.851	0.266	
100YR_001H	SMF-1	BASE	1.58	90.66	95.50	37887	0.00	3.07	0.851	0.286	
100YR_001H	SMF-1	BASE	1.67	90.63	95.50	37809	0.00	3.06	0.851	0.308	
100YR_001H	SMF-1	BASE	1.75	90.61	95.50	37736	0.00	3.06	0.851	0.329	
100YR_001H	SMF-1	BASE	1.84	90.59	95.50	37660	0.00	3.05	0.851	0.350	
100YR_001H	SMF-1	BASE	1.92	90.56	95.50	37584	0.00	3.05	0.851	0.371	
100YR_001H	SMF-1	BASE	2.00	90.54	95.50	37508	0.00	3.04	0.851	0.392	
100YR_001H	SMF-1	BASE	2.09	90.51	95.50	37433	0.00	3.03	0.851	0.413	
100YR_001H	SMF-1	BASE	2.34	90.44	95.50	37205	0.00	3.01	0.851	0.476	
100YR_001H	SMF-1	BASE	2.58	90.37	95.50	36985	0.00	3.00	0.851	0.537	
100YR_001H	SMF-1	BASE	2.84	90.29	95.50	36754	0.00	2.98	0.851	0.600	
100YR_001H	SMF-1	BASE	3.09	90.22	95.50	36527	0.00	2.96	0.851	0.662	
100YR_001H	SMF-1	BASE	3.33	90.15	95.50	36309	0.00	2.94	0.851	0.721	
100YR_001H	SMF-1	BASE	3.59	90.07	95.50	36082	0.00	2.92	0.851	0.782	
100YR_001H	SMF-1	BASE	3.84	90.00	95.50	35854	0.00	2.64	0.851	0.840	
100YR_001H	SMF-1	BASE	4.08	90.00	95.50	35850	0.00	0.00	0.851	0.867	
100YR_001H	SMF-1	BASE	4.33	90.00	95.50	35850	0.00	0.00	0.851	0.867	
100YR_001H	SMF-1	BASE	4.58	90.00	95.50	35850	0.00	0.00	0.851	0.867	
100YR_001H	SMF-1	BASE	4.84	90.00	95.50	35850	0.00	0.00	0.851	0.867	
100YR_001H	SMF-1	BASE	5.09	90.00	95.50	35850	0.00	0.00	0.851	0.867	
100YR_001H	SMF-1	BASE	5.34	90.00	95.50	35850	0.00	0.00	0.851	0.867	
100YR_001H	SMF-1	BASE	5.59	90.00	95.50	35850	0.00	0.00	0.851	0.867	
100YR_001H	SMF-1	BASE	5.84	90.00	95.50	35850	0.00	0.00	0.851	0.867	
100YR_001H	SMF-1	BASE	6.09	90.00	95.50	35850	0.00	0.00	0.851	0.867	
100YR_001H	SMF-1	BASE	6.34	90.00	95.50	35850	0.00	0.00	0.851	0.867	
100YR_001H	SMF-1	BASE	6.59	90.00	95.50	35850	0.00	0.00	0.851	0.867	
100YR_001H	SMF-1	BASE	6.84	90.00	95.50	35850	0.00	0.00	0.851	0.867	
100YR_001H	SMF-1	BASE	7.09	90.00	95.50	35850	0.00	0.00	0.851	0.867	
100YR_001H	SMF-1	BASE	7.34	90.00	95.50	35850	0.00	0.00	0.851	0.867	
100YR_001H	SMF-1	BASE	7.59	90.00	95.50	35850	0.00	0.00	0.851	0.867	
100YR_001H	SMF-1	BASE	7.84	90.00	95.50	35850	0.00	0.00	0.851	0.867	
100YR_001H	SMF-1	BASE	8.09	90.00	95.50	35850	0.00	0.00	0.851	0.867	
100YR_001H	SMF-1	BASE	8.34	90.00	95.50	35850	0.00	0.00	0.851	0.867	
100YR_001H	SMF-1	BASE	8.59	90.00	95.50	35850	0.00	0.00	0.851	0.867	

 Full Recovery
 Half Recovery

Project: 17-0373 Legacy Park - Phase 2
SMF-1 Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_002H	SMF-1	BASE	4.51	90.55	95.50	37556	0.00	3.04	1.521	1.004
100YR_002H	SMF-1	BASE	4.76	90.48	95.50	37328	0.00	3.02	1.521	1.067
100YR_002H	SMF-1	BASE	5.01	90.40	95.50	37101	0.00	3.01	1.521	1.130
100YR_002H	SMF-1	BASE	5.25	90.33	95.50	36883	0.00	2.99	1.521	1.190
100YR_002H	SMF-1	BASE	5.50	90.26	95.50	36655	0.00	2.97	1.521	1.252
100YR_002H	SMF-1	BASE	5.76	90.19	95.50	36428	0.00	2.95	1.521	1.314
100YR_002H	SMF-1	BASE	6.01	90.11	95.50	36201	0.00	2.93	1.521	1.375
100YR_002H	SMF-1	BASE	6.26	90.04	95.50	35973	0.00	2.91	1.521	1.436
100YR_002H	SMF-1	BASE	6.51	90.00	95.50	35850	0.00	0.00	1.521	1.466
100YR_002H	SMF-1	BASE	6.76	90.00	95.50	35850	0.00	0.00	1.521	1.466
100YR_002H	SMF-1	BASE	7.01	90.00	95.50	35850	0.00	0.00	1.521	1.466
100YR_002H	SMF-1	BASE	7.26	90.00	95.50	35850	0.00	0.00	1.521	1.466
100YR_002H	SMF-1	BASE	7.51	90.00	95.50	35850	0.00	0.00	1.521	1.466
100YR_002H	SMF-1	BASE	7.76	90.00	95.50	35850	0.00	0.00	1.521	1.466
100YR_002H	SMF-1	BASE	8.01	90.00	95.50	35850	0.00	0.00	1.521	1.466
100YR_002H	SMF-1	BASE	8.26	90.00	95.50	35850	0.00	0.00	1.521	1.466
100YR_002H	SMF-1	BASE	8.51	90.00	95.50	35850	0.00	0.00	1.521	1.466
100YR_002H	SMF-1	BASE	8.76	90.00	95.50	35850	0.00	0.00	1.521	1.466
100YR_002H	SMF-1	BASE	9.01	90.00	95.50	35850	0.00	0.00	1.521	1.466
100YR_002H	SMF-1	BASE	9.26	90.00	95.50	35850	0.00	0.00	1.521	1.466
100YR_002H	SMF-1	BASE	9.51	90.00	95.50	35850	0.00	0.00	1.521	1.466
100YR_002H	SMF-1	BASE	9.76	90.00	95.50	35850	0.00	0.00	1.521	1.466
100YR_002H	SMF-1	BASE	10.01	90.00	95.50	35850	0.00	0.00	1.521	1.466
100YR_002H	SMF-1	BASE	10.26	90.00	95.50	35850	0.00	0.00	1.521	1.466
100YR_002H	SMF-1	BASE	10.51	90.00	95.50	35850	0.00	0.00	1.521	1.466
100YR_002H	SMF-1	BASE	10.76	90.00	95.50	35850	0.00	0.00	1.521	1.466
100YR_002H	SMF-1	BASE	11.01	90.00	95.50	35850	0.00	0.00	1.521	1.466
100YR_002H	SMF-1	BASE	11.26	90.00	95.50	35850	0.00	0.00	1.521	1.466
100YR_002H	SMF-1	BASE	11.51	90.00	95.50	35850	0.00	0.00	1.521	1.466
100YR_002H	SMF-1	BASE	11.76	90.00	95.50	35850	0.00	0.00	1.521	1.466
100YR_002H	SMF-1	BASE	12.01	90.00	95.50	35850	0.00	0.00	1.521	1.466
100YR_002H	SMF-1	BASE	12.26	90.00	95.50	35850	0.00	0.00	1.521	1.466
100YR_002H	SMF-1	BASE	12.51	90.00	95.50	35850	0.00	0.00	1.521	1.466
100YR_002H	SMF-1	BASE	12.76	90.00	95.50	35850	0.00	0.00	1.521	1.466
100YR_002H	SMF-1	BASE	13.01	90.00	95.50	35850	0.00	0.00	1.521	1.466
100YR_002H	SMF-1	BASE	13.26	90.00	95.50	35850	0.00	0.00	1.521	1.466
100YR_002H	SMF-1	BASE	13.51	90.00	95.50	35850	0.00	0.00	1.521	1.466
100YR_002H	SMF-1	BASE	13.76	90.00	95.50	35850	0.00	0.00	1.521	1.466
100YR_002H	SMF-1	BASE	14.01	90.00	95.50	35850	0.00	0.00	1.521	1.466
100YR_002H	SMF-1	BASE	14.26	90.00	95.50	35850	0.00	0.00	1.521	1.466
100YR_002H	SMF-1	BASE	14.51	90.00	95.50	35850	0.00	0.00	1.521	1.466
100YR_002H	SMF-1	BASE	14.76	90.00	95.50	35850	0.00	0.00	1.521	1.466
100YR_002H	SMF-1	BASE	15.01	90.00	95.50	35850	0.00	0.00	1.521	1.466
100YR_002H	SMF-1	BASE	15.26	90.00	95.50	35850	0.00	0.00	1.521	1.466
100YR_002H	SMF-1	BASE	15.51	90.00	95.50	35850	0.00	0.00	1.521	1.466
100YR_002H	SMF-1	BASE	15.76	90.00	95.50	35850	0.00	0.00	1.521	1.466
100YR_002H	SMF-1	BASE	16.01	90.00	95.50	35850	0.00	0.00	1.521	1.466
100YR_002H	SMF-1	BASE	16.26	90.00	95.50	35850	0.00	0.00	1.521	1.466
100YR_002H	SMF-1	BASE	16.51	90.00	95.50	35850	0.00	0.00	1.521	1.466
100YR_002H	SMF-1	BASE	16.76	90.00	95.50	35850	0.00	0.00	1.521	1.466
100YR_002H	SMF-1	BASE	17.01	90.00	95.50	35850	0.00	0.00	1.521	1.466
100YR_002H	SMF-1	BASE	17.26	90.00	95.50	35850	0.00	0.00	1.521	1.466

Project: 17-0373 Legacy Park - Phase 2
SMF-1 Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_004H	SMF-1	BASE	12.75	90.29	95.50	36742	0.00	0.52	2.608	2.257
100YR_004H	SMF-1	BASE	13.00	90.28	95.50	36703	0.00	0.50	2.608	2.268
100YR_004H	SMF-1	BASE	13.25	90.26	95.50	36665	0.00	0.49	2.608	2.278
100YR_004H	SMF-1	BASE	13.50	90.25	95.50	36629	0.00	0.47	2.608	2.288
100YR_004H	SMF-1	BASE	13.75	90.24	95.50	36593	0.00	0.46	2.608	2.298
100YR_004H	SMF-1	BASE	14.00	90.23	95.50	36559	0.00	0.45	2.608	2.307
100YR_004H	SMF-1	BASE	14.25	90.22	95.50	36525	0.00	0.44	2.608	2.316
100YR_004H	SMF-1	BASE	14.50	90.21	95.50	36492	0.00	0.43	2.608	2.325
100YR_004H	SMF-1	BASE	14.75	90.20	95.50	36460	0.00	0.42	2.608	2.334
100YR_004H	SMF-1	BASE	15.00	90.19	95.50	36429	0.00	0.41	2.608	2.343
100YR_004H	SMF-1	BASE	15.25	90.18	95.50	36398	0.00	0.40	2.608	2.351
100YR_004H	SMF-1	BASE	15.50	90.17	95.50	36368	0.00	0.39	2.608	2.359
100YR_004H	SMF-1	BASE	15.75	90.16	95.50	36338	0.00	0.38	2.608	2.367
100YR_004H	SMF-1	BASE	16.00	90.15	95.50	36309	0.00	0.37	2.608	2.375
100YR_004H	SMF-1	BASE	16.25	90.14	95.50	36281	0.00	0.37	2.608	2.382
100YR_004H	SMF-1	BASE	16.50	90.13	95.50	36253	0.00	0.36	2.608	2.390
100YR_004H	SMF-1	BASE	16.75	90.12	95.50	36226	0.00	0.35	2.608	2.397
100YR_004H	SMF-1	BASE	17.00	90.11	95.50	36199	0.00	0.35	2.608	2.404
100YR_004H	SMF-1	BASE	17.25	90.10	95.50	36172	0.00	0.34	2.608	2.412
100YR_004H	SMF-1	BASE	17.50	90.10	95.50	36146	0.00	0.34	2.608	2.419
100YR_004H	SMF-1	BASE	17.75	90.09	95.50	36121	0.00	0.33	2.608	2.425
100YR_004H	SMF-1	BASE	18.00	90.08	95.50	36095	0.00	0.33	2.608	2.432
100YR_004H	SMF-1	BASE	18.25	90.07	95.50	36070	0.00	0.32	2.608	2.439
100YR_004H	SMF-1	BASE	18.50	90.06	95.50	36046	0.00	0.32	2.608	2.445
100YR_004H	SMF-1	BASE	18.75	90.06	95.50	36022	0.00	0.31	2.608	2.452
100YR_004H	SMF-1	BASE	19.00	90.05	95.50	35998	0.00	0.31	2.608	2.458
100YR_004H	SMF-1	BASE	19.25	90.04	95.50	35974	0.00	0.30	2.608	2.465
100YR_004H	SMF-1	BASE	19.50	90.03	95.50	35951	0.00	0.30	2.608	2.471
100YR_004H	SMF-1	BASE	19.75	90.03	95.50	35928	0.00	0.29	2.608	2.477
100YR_004H	SMF-1	BASE	20.00	90.02	95.50	35905	0.00	0.29	2.608	2.483
100YR_004H	SMF-1	BASE	20.25	90.01	95.50	35883	0.00	0.29	2.608	2.489
100YR_004H	SMF-1	BASE	20.50	90.00	95.50	35861	0.00	0.28	2.608	2.495
100YR_004H	SMF-1	BASE	20.75	90.00	95.50	35850	0.00	0.00	2.608	2.498
100YR_004H	SMF-1	BASE	21.00	90.00	95.50	35850	0.00	0.00	2.608	2.498
100YR_004H	SMF-1	BASE	21.25	90.00	95.50	35850	0.00	0.00	2.608	2.498
100YR_004H	SMF-1	BASE	21.50	90.00	95.50	35850	0.00	0.00	2.608	2.498
100YR_004H	SMF-1	BASE	21.75	90.00	95.50	35850	0.00	0.00	2.608	2.498
100YR_004H	SMF-1	BASE	22.00	90.00	95.50	35850	0.00	0.00	2.608	2.498
100YR_004H	SMF-1	BASE	22.25	90.00	95.50	35850	0.00	0.00	2.608	2.498
100YR_004H	SMF-1	BASE	22.50	90.00	95.50	35850	0.00	0.00	2.608	2.498
100YR_004H	SMF-1	BASE	22.75	90.00	95.50	35850	0.00	0.00	2.608	2.498
100YR_004H	SMF-1	BASE	23.00	90.00	95.50	35850	0.00	0.00	2.608	2.498
100YR_004H	SMF-1	BASE	23.25	90.00	95.50	35850	0.00	0.00	2.608	2.498
100YR_004H	SMF-1	BASE	23.50	90.00	95.50	35850	0.00	0.00	2.608	2.498
100YR_004H	SMF-1	BASE	23.75	90.00	95.50	35850	0.00	0.00	2.608	2.498
100YR_004H	SMF-1	BASE	24.00	90.00	95.50	35850	0.00	0.00	2.608	2.498
100YR_004H	SMF-1	BASE	24.25	90.00	95.50	35850	0.00	0.00	2.608	2.498
100YR_004H	SMF-1	BASE	25.25	90.00	95.50	35850	0.00	0.00	2.608	2.498
100YR_004H	SMF-1	BASE	26.25	90.00	95.50	35850	0.00	0.00	2.608	2.498
100YR_004H	SMF-1	BASE	27.25	90.00	95.50	35850	0.00	0.00	2.608	2.498
100YR_004H	SMF-1	BASE	28.25	90.00	95.50	35850	0.00	0.00	2.608	2.498
100YR_004H	SMF-1	BASE	29.25	90.00	95.50	35850	0.00	0.00	2.608	2.498

Project: 17-0373 Legacy Park - Phase 2
SMF-1 Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_008H	SMF-1	BASE	61.26	90.17	95.50	36368	0.00	0.14	3.738	3.483
100YR_008H	SMF-1	BASE	62.26	90.15	95.50	36326	0.00	0.14	3.738	3.494
100YR_008H	SMF-1	BASE	63.26	90.14	95.50	36285	0.00	0.13	3.738	3.505
100YR_008H	SMF-1	BASE	64.26	90.13	95.50	36244	0.00	0.13	3.738	3.516
100YR_008H	SMF-1	BASE	65.26	90.11	95.50	36203	0.00	0.13	3.738	3.527
100YR_008H	SMF-1	BASE	66.26	90.10	95.50	36163	0.00	0.13	3.738	3.538
100YR_008H	SMF-1	BASE	67.26	90.09	95.50	36124	0.00	0.13	3.738	3.548
100YR_008H	SMF-1	BASE	68.26	90.08	95.50	36084	0.00	0.13	3.738	3.559
100YR_008H	SMF-1	BASE	69.26	90.06	95.50	36046	0.00	0.13	3.738	3.569
100YR_008H	SMF-1	BASE	70.26	90.05	95.50	36007	0.00	0.12	3.738	3.580
100YR_008H	SMF-1	BASE	71.26	90.04	95.50	35969	0.00	0.12	3.738	3.590
100YR_008H	SMF-1	BASE	72.26	90.03	95.50	35931	0.00	0.12	3.738	3.600
100YR_008H	SMF-1	BASE	73.26	90.01	95.50	35894	0.00	0.12	3.738	3.610
100YR_008H	SMF-1	BASE	74.26	90.00	95.50	35857	0.00	0.12	3.738	3.620
100YR_008H	SMF-1	BASE	75.26	90.00	95.50	35850	0.00	0.00	3.738	3.625
100YR_008H	SMF-1	BASE	76.26	90.00	95.50	35850	0.00	0.00	3.738	3.625
100YR_008H	SMF-1	BASE	77.26	90.00	95.50	35850	0.00	0.00	3.738	3.625
100YR_008H	SMF-1	BASE	78.26	90.00	95.50	35850	0.00	0.00	3.738	3.625
100YR_008H	SMF-1	BASE	79.26	90.00	95.50	35850	0.00	0.00	3.738	3.625
100YR_008H	SMF-1	BASE	80.26	90.00	95.50	35850	0.00	0.00	3.738	3.625
100YR_008H	SMF-1	BASE	81.26	90.00	95.50	35850	0.00	0.00	3.738	3.625
100YR_008H	SMF-1	BASE	82.26	90.00	95.50	35850	0.00	0.00	3.738	3.625
100YR_008H	SMF-1	BASE	83.26	90.00	95.50	35850	0.00	0.00	3.738	3.625
100YR_008H	SMF-1	BASE	84.26	90.00	95.50	35850	0.00	0.00	3.738	3.625
100YR_008H	SMF-1	BASE	85.26	90.00	95.50	35850	0.00	0.00	3.738	3.625
100YR_008H	SMF-1	BASE	86.26	90.00	95.50	35850	0.00	0.00	3.738	3.625
100YR_008H	SMF-1	BASE	87.26	90.00	95.50	35850	0.00	0.00	3.738	3.625
100YR_008H	SMF-1	BASE	88.26	90.00	95.50	35850	0.00	0.00	3.738	3.625
100YR_008H	SMF-1	BASE	89.26	90.00	95.50	35850	0.00	0.00	3.738	3.625
100YR_008H	SMF-1	BASE	90.26	90.00	95.50	35850	0.00	0.00	3.738	3.625
100YR_008H	SMF-1	BASE	91.26	90.00	95.50	35850	0.00	0.00	3.738	3.625
100YR_008H	SMF-1	BASE	92.26	90.00	95.50	35850	0.00	0.00	3.738	3.625
100YR_008H	SMF-1	BASE	93.26	90.00	95.50	35850	0.00	0.00	3.738	3.625
100YR_008H	SMF-1	BASE	94.26	90.00	95.50	35850	0.00	0.00	3.738	3.625
100YR_008H	SMF-1	BASE	95.26	90.00	95.50	35850	0.00	0.00	3.738	3.625
100YR_008H	SMF-1	BASE	96.26	90.00	95.50	35850	0.00	0.00	3.738	3.625
100YR_008H	SMF-1	BASE	97.26	90.00	95.50	35850	0.00	0.00	3.738	3.625
100YR_008H	SMF-1	BASE	98.26	90.00	95.50	35850	0.00	0.00	3.738	3.625
100YR_008H	SMF-1	BASE	99.26	90.00	95.50	35850	0.00	0.00	3.738	3.625
100YR_008H	SMF-1	BASE	100.26	90.00	95.50	35850	0.00	0.00	3.738	3.625
100YR_008H	SMF-1	BASE	101.26	90.00	95.50	35850	0.00	0.00	3.738	3.625
100YR_008H	SMF-1	BASE	102.26	90.00	95.50	35850	0.00	0.00	3.738	3.625
100YR_008H	SMF-1	BASE	103.26	90.00	95.50	35850	0.00	0.00	3.738	3.625
100YR_008H	SMF-1	BASE	104.26	90.00	95.50	35850	0.00	0.00	3.738	3.625
100YR_008H	SMF-1	BASE	105.26	90.00	95.50	35850	0.00	0.00	3.738	3.625
100YR_008H	SMF-1	BASE	106.26	90.00	95.50	35850	0.00	0.00	3.738	3.625
100YR_008H	SMF-1	BASE	107.26	90.00	95.50	35850	0.00	0.00	3.738	3.625
100YR_008H	SMF-1	BASE	108.26	90.00	95.50	35850	0.00	0.00	3.738	3.625
100YR_008H	SMF-1	BASE	109.26	90.00	95.50	35850	0.00	0.00	3.738	3.625
100YR_008H	SMF-1	BASE	110.26	90.00	95.50	35850	0.00	0.00	3.738	3.625
100YR_008H	SMF-1	BASE	111.26	90.00	95.50	35850	0.00	0.00	3.738	3.625
100YR_008H	SMF-1	BASE	112.26	90.00	95.50	35850	0.00	0.00	3.738	3.625

Project: 17-0373 Legacy Park - Phase 2
SMF-1 Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_024H	SMF-1	BASE	174.26	90.52	95.50	37473	0.00	0.08	6.717	6.243
100YR_024H	SMF-1	BASE	175.26	90.52	95.50	37450	0.00	0.08	6.717	6.249
100YR_024H	SMF-1	BASE	176.26	90.51	95.50	37426	0.00	0.08	6.717	6.256
100YR_024H	SMF-1	BASE	177.26	90.50	95.50	37403	0.00	0.08	6.717	6.262
100YR_024H	SMF-1	BASE	178.26	90.49	95.50	37380	0.00	0.08	6.717	6.269
100YR_024H	SMF-1	BASE	179.26	90.49	95.50	37357	0.00	0.08	6.717	6.275
100YR_024H	SMF-1	BASE	180.26	90.48	95.50	37334	0.00	0.08	6.717	6.281
100YR_024H	SMF-1	BASE	181.26	90.47	95.50	37311	0.00	0.08	6.717	6.288
100YR_024H	SMF-1	BASE	182.26	90.46	95.50	37288	0.00	0.08	6.717	6.294
100YR_024H	SMF-1	BASE	183.26	90.46	95.50	37265	0.00	0.08	6.717	6.300
100YR_024H	SMF-1	BASE	184.26	90.45	95.50	37243	0.00	0.08	6.717	6.306
100YR_024H	SMF-1	BASE	185.26	90.44	95.50	37220	0.00	0.07	6.717	6.313
100YR_024H	SMF-1	BASE	186.26	90.44	95.50	37198	0.00	0.07	6.717	6.319
100YR_024H	SMF-1	BASE	187.26	90.43	95.50	37176	0.00	0.07	6.717	6.325
100YR_024H	SMF-1	BASE	188.26	90.42	95.50	37153	0.00	0.07	6.717	6.331
100YR_024H	SMF-1	BASE	189.26	90.41	95.50	37131	0.00	0.07	6.717	6.337
100YR_024H	SMF-1	BASE	190.26	90.41	95.50	37109	0.00	0.07	6.717	6.343
100YR_024H	SMF-1	BASE	191.26	90.40	95.50	37087	0.00	0.07	6.717	6.349
100YR_024H	SMF-1	BASE	192.26	90.39	95.50	37066	0.00	0.07	6.717	6.355
100YR_024H	SMF-1	BASE	196.26	90.37	95.50	36979	0.00	0.07	6.717	6.379
100YR_024H	SMF-1	BASE	200.26	90.34	95.50	36895	0.00	0.07	6.717	6.402
100YR_024H	SMF-1	BASE	204.26	90.31	95.50	36811	0.00	0.07	6.717	6.425
100YR_024H	SMF-1	BASE	208.26	90.28	95.50	36729	0.00	0.07	6.717	6.447
100YR_024H	SMF-1	BASE	212.26	90.26	95.50	36649	0.00	0.07	6.717	6.469
100YR_024H	SMF-1	BASE	216.26	90.23	95.50	36569	0.00	0.06	6.717	6.491
100YR_024H	SMF-1	BASE	220.26	90.21	95.50	36491	0.00	0.06	6.717	6.512
100YR_024H	SMF-1	BASE	224.26	90.18	95.50	36414	0.00	0.06	6.717	6.533
100YR_024H	SMF-1	BASE	228.26	90.16	95.50	36338	0.00	0.06	6.717	6.553
100YR_024H	SMF-1	BASE	232.26	90.13	95.50	36264	0.00	0.06	6.717	6.574
100YR_024H	SMF-1	BASE	236.26	90.11	95.50	36190	0.00	0.06	6.717	6.593
100YR_024H	SMF-1	BASE	240.26	90.09	95.50	36118	0.00	0.06	6.717	6.613
100YR_024H	SMF-1	BASE	244.26	90.06	95.50	36046	0.00	0.06	6.717	6.632
100YR_024H	SMF-1	BASE	248.26	90.04	95.50	35976	0.00	0.06	6.717	6.651
100YR_024H	SMF-1	BASE	252.26	90.02	95.50	35907	0.00	0.06	6.717	6.669
100YR_024H	SMF-1	BASE	256.26	90.00	95.50	35850	0.00	0.00	6.717	6.678
100YR_024H	SMF-1	BASE	260.26	90.00	95.50	35850	0.00	0.00	6.717	6.678
100YR_024H	SMF-1	BASE	264.26	90.00	95.50	35850	0.00	0.00	6.717	6.678
100YR_024H	SMF-1	BASE	268.26	90.00	95.50	35850	0.00	0.00	6.717	6.678
100YR_024H	SMF-1	BASE	272.26	90.00	95.50	35850	0.00	0.00	6.717	6.678
100YR_024H	SMF-1	BASE	276.26	90.00	95.50	35850	0.00	0.00	6.717	6.678
100YR_024H	SMF-1	BASE	280.26	90.00	95.50	35850	0.00	0.00	6.717	6.678
100YR_024H	SMF-1	BASE	284.26	90.00	95.50	35850	0.00	0.00	6.717	6.678
100YR_024H	SMF-1	BASE	288.26	90.00	95.50	35850	0.00	0.00	6.717	6.678
100YR_024H	SMF-1	BASE	292.26	90.00	95.50	35850	0.00	0.00	6.717	6.678
100YR_024H	SMF-1	BASE	296.26	90.00	95.50	35850	0.00	0.00	6.717	6.678
100YR_024H	SMF-1	BASE	300.26	90.00	95.50	35850	0.00	0.00	6.717	6.678
100YR_024H	SMF-1	BASE	304.26	90.00	95.50	35850	0.00	0.00	6.717	6.678
100YR_024H	SMF-1	BASE	308.26	90.00	95.50	35850	0.00	0.00	6.717	6.678
100YR_024H	SMF-1	BASE	312.26	90.00	95.50	35850	0.00	0.00	6.717	6.678
100YR_024H	SMF-1	BASE	316.26	90.00	95.50	35850	0.00	0.00	6.717	6.678
100YR_024H	SMF-1	BASE	320.26	90.00	95.50	35850	0.00	0.00	6.717	6.678
100YR_024H	SMF-1	BASE	324.26	90.00	95.50	35850	0.00	0.00	6.717	6.678

Project: 17-0373 Legacy Park - Phase 2
SMF-1 Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_072H	SMF-1	BASE	64.51	94.76	95.50	51493	1.90	2.68	8.935	4.163
100YR_072H	SMF-1	BASE	64.76	94.75	95.50	51447	1.91	2.65	8.975	4.219
100YR_072H	SMF-1	BASE	65.01	94.74	95.50	51401	1.91	2.63	9.015	4.274
100YR_072H	SMF-1	BASE	65.25	94.73	95.50	51359	1.91	2.61	9.052	4.326
100YR_072H	SMF-1	BASE	65.51	94.71	95.50	51316	1.91	2.60	9.092	4.381
100YR_072H	SMF-1	BASE	65.76	94.70	95.50	51274	1.91	2.58	9.132	4.435
100YR_072H	SMF-1	BASE	66.01	94.69	95.50	51233	1.91	2.57	9.172	4.489
100YR_072H	SMF-1	BASE	66.25	94.68	95.50	51195	1.91	2.56	9.210	4.540
100YR_072H	SMF-1	BASE	66.51	94.67	95.50	51155	1.92	2.54	9.251	4.593
100YR_072H	SMF-1	BASE	66.76	94.66	95.50	51116	1.92	2.53	9.291	4.646
100YR_072H	SMF-1	BASE	67.01	94.65	95.50	51079	1.92	2.52	9.331	4.699
100YR_072H	SMF-1	BASE	67.26	94.63	95.50	51043	1.92	2.51	9.369	4.750
100YR_072H	SMF-1	BASE	67.51	94.62	95.50	51007	1.92	2.50	9.409	4.801
100YR_072H	SMF-1	BASE	67.76	94.61	95.50	50972	1.92	2.49	9.449	4.853
100YR_072H	SMF-1	BASE	68.01	94.60	95.50	50937	1.88	2.48	9.488	4.904
100YR_072H	SMF-1	BASE	68.26	94.58	95.50	50856	0.87	2.46	9.516	4.955
100YR_072H	SMF-1	BASE	68.51	94.55	95.50	50759	0.87	2.43	9.534	5.006
100YR_072H	SMF-1	BASE	68.76	94.53	95.50	50662	0.87	2.41	9.552	5.056
100YR_072H	SMF-1	BASE	69.01	94.50	95.50	50567	0.87	2.39	9.570	5.105
100YR_072H	SMF-1	BASE	69.26	94.47	95.50	50473	0.87	2.37	9.588	5.155
100YR_072H	SMF-1	BASE	69.51	94.44	95.50	50380	0.87	2.35	9.606	5.203
100YR_072H	SMF-1	BASE	69.76	94.42	95.50	50289	0.87	2.33	9.624	5.252
100YR_072H	SMF-1	BASE	70.01	94.39	95.50	50198	0.87	2.31	9.642	5.300
100YR_072H	SMF-1	BASE	70.26	94.37	95.50	50108	0.87	2.29	9.660	5.347
100YR_072H	SMF-1	BASE	70.51	94.34	95.50	50019	0.87	2.28	9.678	5.395
100YR_072H	SMF-1	BASE	70.76	94.32	95.50	49931	0.87	2.26	9.696	5.441
100YR_072H	SMF-1	BASE	71.01	94.29	95.50	49845	0.87	2.24	9.713	5.488
100YR_072H	SMF-1	BASE	71.26	94.27	95.50	49759	0.87	2.22	9.731	5.534
100YR_072H	SMF-1	BASE	71.51	94.24	95.50	49674	0.87	2.21	9.749	5.580
100YR_072H	SMF-1	BASE	71.76	94.22	95.50	49590	0.87	2.19	9.767	5.625
100YR_072H	SMF-1	BASE	72.01	94.19	95.50	49506	0.83	2.17	9.785	5.670
100YR_072H	SMF-1	BASE	72.26	94.16	95.50	49385	0.00	2.15	9.794	5.715
100YR_072H	SMF-1	BASE	72.51	94.12	95.50	49249	0.00	2.12	9.794	5.759
100YR_072H	SMF-1	BASE	72.76	94.08	95.50	49115	0.00	2.09	9.794	5.802
100YR_072H	SMF-1	BASE	73.01	94.04	95.50	48983	0.00	2.06	9.794	5.845
100YR_072H	SMF-1	BASE	73.26	94.01	95.50	48851	0.00	2.03	9.794	5.887
100YR_072H	SMF-1	BASE	73.51	93.97	95.50	48724	0.00	2.01	9.794	5.929
100YR_072H	SMF-1	BASE	73.76	93.93	95.50	48599	0.00	1.98	9.794	5.970
100YR_072H	SMF-1	BASE	74.01	93.90	95.50	48475	0.00	1.96	9.794	6.011
100YR_072H	SMF-1	BASE	74.26	93.86	95.50	48352	0.00	1.93	9.794	6.051
100YR_072H	SMF-1	BASE	74.51	93.82	95.50	48231	0.00	1.91	9.794	6.091
100YR_072H	SMF-1	BASE	74.76	93.79	95.50	48110	0.00	1.88	9.794	6.130
100YR_072H	SMF-1	BASE	75.01	93.75	95.50	47991	0.00	1.86	9.794	6.169
100YR_072H	SMF-1	BASE	75.26	93.72	95.50	47874	0.00	1.83	9.794	6.207
100YR_072H	SMF-1	BASE	75.51	93.68	95.50	47757	0.00	1.81	9.794	6.244
100YR_072H	SMF-1	BASE	75.76	93.65	95.50	47642	0.00	1.78	9.794	6.281
100YR_072H	SMF-1	BASE	76.01	93.62	95.50	47529	0.00	1.76	9.794	6.318
100YR_072H	SMF-1	BASE	76.26	93.58	95.50	47416	0.00	1.73	9.794	6.354
100YR_072H	SMF-1	BASE	76.51	93.55	95.50	47305	0.00	1.71	9.794	6.390
100YR_072H	SMF-1	BASE	76.76	93.52	95.50	47195	0.00	1.69	9.794	6.425
100YR_072H	SMF-1	BASE	77.01	93.49	95.50	47086	0.00	1.66	9.794	6.459
100YR_072H	SMF-1	BASE	77.26	93.46	95.50	46979	0.00	1.64	9.794	6.493

Project: 17-0373 Legacy Park - Phase 2
SMF-1 Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_072H	SMF-1	BASE	364.26	90.14	95.50	36291	0.00	0.04	9.794	9.652
100YR_072H	SMF-1	BASE	368.26	90.12	95.50	36236	0.00	0.04	9.794	9.667
100YR_072H	SMF-1	BASE	372.26	90.11	95.50	36182	0.00	0.04	9.794	9.682
100YR_072H	SMF-1	BASE	376.26	90.09	95.50	36128	0.00	0.04	9.794	9.696
100YR_072H	SMF-1	BASE	380.26	90.07	95.50	36075	0.00	0.04	9.794	9.710
100YR_072H	SMF-1	BASE	384.26	90.06	95.50	36022	0.00	0.04	9.794	9.724
100YR_072H	SMF-1	BASE	388.26	90.04	95.50	35970	0.00	0.04	9.794	9.738
100YR_072H	SMF-1	BASE	392.26	90.02	95.50	35919	0.00	0.04	9.794	9.752
100YR_072H	SMF-1	BASE	396.26	90.01	95.50	35868	0.00	0.04	9.794	9.766
100YR_072H	SMF-1	BASE	400.26	90.00	95.50	35850	0.00	0.00	9.794	9.772
100YR_072H	SMF-1	BASE	404.26	90.00	95.50	35850	0.00	0.00	9.794	9.772
100YR_072H	SMF-1	BASE	408.26	90.00	95.50	35850	0.00	0.00	9.794	9.772
100YR_072H	SMF-1	BASE	412.26	90.00	95.50	35850	0.00	0.00	9.794	9.772
100YR_072H	SMF-1	BASE	416.26	90.00	95.50	35850	0.00	0.00	9.794	9.772
100YR_072H	SMF-1	BASE	420.26	90.00	95.50	35850	0.00	0.00	9.794	9.772
100YR_072H	SMF-1	BASE	424.26	90.00	95.50	35850	0.00	0.00	9.794	9.772
100YR_072H	SMF-1	BASE	428.26	90.00	95.50	35850	0.00	0.00	9.794	9.772
100YR_072H	SMF-1	BASE	432.26	90.00	95.50	35850	0.00	0.00	9.794	9.772
100YR_072H	SMF-1	BASE	436.26	90.00	95.50	35850	0.00	0.00	9.794	9.772
100YR_072H	SMF-1	BASE	440.26	90.00	95.50	35850	0.00	0.00	9.794	9.772
100YR_072H	SMF-1	BASE	444.26	90.00	95.50	35850	0.00	0.00	9.794	9.772
100YR_072H	SMF-1	BASE	448.26	90.00	95.50	35850	0.00	0.00	9.794	9.772
100YR_072H	SMF-1	BASE	452.26	90.00	95.50	35850	0.00	0.00	9.794	9.772
100YR_072H	SMF-1	BASE	456.26	90.00	95.50	35850	0.00	0.00	9.794	9.772
100YR_072H	SMF-1	BASE	460.26	90.00	95.50	35850	0.00	0.00	9.794	9.772
100YR_072H	SMF-1	BASE	464.26	90.00	95.50	35850	0.00	0.00	9.794	9.772
100YR_072H	SMF-1	BASE	468.26	90.00	95.50	35850	0.00	0.00	9.794	9.772
100YR_072H	SMF-1	BASE	472.26	90.00	95.50	35850	0.00	0.00	9.794	9.772
100YR_072H	SMF-1	BASE	476.26	90.00	95.50	35850	0.00	0.00	9.794	9.772
100YR_072H	SMF-1	BASE	480.26	90.00	95.50	35850	0.00	0.00	9.794	9.772
100YR_072H	SMF-1	BASE	484.26	90.00	95.50	35850	0.00	0.00	9.794	9.772
100YR_072H	SMF-1	BASE	488.26	90.00	95.50	35850	0.00	0.00	9.794	9.772
100YR_072H	SMF-1	BASE	492.26	90.00	95.50	35850	0.00	0.00	9.794	9.772
100YR_072H	SMF-1	BASE	496.26	90.00	95.50	35850	0.00	0.00	9.794	9.772
100YR_072H	SMF-1	BASE	500.26	90.00	95.50	35850	0.00	0.00	9.794	9.772
100YR_072H	SMF-1	BASE	504.26	90.00	95.50	35850	0.00	0.00	9.794	9.772
100YR_072H	SMF-1	BASE	508.26	90.00	95.50	35850	0.00	0.00	9.794	9.772
100YR_072H	SMF-1	BASE	512.26	90.00	95.50	35850	0.00	0.00	9.794	9.772
100YR_072H	SMF-1	BASE	516.26	90.00	95.50	35850	0.00	0.00	9.794	9.772
100YR_072H	SMF-1	BASE	520.26	90.00	95.50	35850	0.00	0.00	9.794	9.772
100YR_072H	SMF-1	BASE	524.26	90.00	95.50	35850	0.00	0.00	9.794	9.772
100YR_072H	SMF-1	BASE	528.26	90.00	95.50	35850	0.00	0.00	9.794	9.772
100YR_072H	SMF-1	BASE	532.26	90.00	95.50	35850	0.00	0.00	9.794	9.772
100YR_072H	SMF-1	BASE	536.26	90.00	95.50	35850	0.00	0.00	9.794	9.772
100YR_072H	SMF-1	BASE	540.26	90.00	95.50	35850	0.00	0.00	9.794	9.772
100YR_072H	SMF-1	BASE	544.26	90.00	95.50	35850	0.00	0.00	9.794	9.772
100YR_072H	SMF-1	BASE	548.26	90.00	95.50	35850	0.00	0.00	9.794	9.772
100YR_072H	SMF-1	BASE	552.26	90.00	95.50	35850	0.00	0.00	9.794	9.772
100YR_072H	SMF-1	BASE	556.26	90.00	95.50	35850	0.00	0.00	9.794	9.772
100YR_072H	SMF-1	BASE	560.26	90.00	95.50	35850	0.00	0.00	9.794	9.772
100YR_072H	SMF-1	BASE	564.26	90.00	95.50	35850	0.00	0.00	9.794	9.772
100YR_072H	SMF-1	BASE	568.26	90.00	95.50	35850	0.00	0.00	9.794	9.772

Project: 17-0373 Legacy Park - Phase 2
SMF-1 Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_168H	SMF-1	BASE	167.76	94.48	95.50	50508	1.28	2.23	12.350	7.922
100YR_168H	SMF-1	BASE	168.01	94.46	95.50	50450	1.22	2.22	12.376	7.968
100YR_168H	SMF-1	BASE	168.26	94.43	95.50	50334	0.00	2.19	12.389	8.014
100YR_168H	SMF-1	BASE	168.51	94.39	95.50	50198	0.00	2.16	12.389	8.059
100YR_168H	SMF-1	BASE	168.76	94.35	95.50	50063	0.00	2.14	12.389	8.103
100YR_168H	SMF-1	BASE	169.01	94.32	95.50	49930	0.00	2.11	12.389	8.147
100YR_168H	SMF-1	BASE	169.26	94.28	95.50	49798	0.00	2.09	12.389	8.190
100YR_168H	SMF-1	BASE	169.51	94.24	95.50	49667	0.00	2.06	12.389	8.233
100YR_168H	SMF-1	BASE	169.76	94.20	95.50	49538	0.00	2.04	12.389	8.275
100YR_168H	SMF-1	BASE	170.01	94.17	95.50	49409	0.00	2.01	12.389	8.317
100YR_168H	SMF-1	BASE	170.26	94.13	95.50	49282	0.00	1.99	12.389	8.359
100YR_168H	SMF-1	BASE	170.51	94.09	95.50	49155	0.00	1.97	12.389	8.400
100YR_168H	SMF-1	BASE	170.76	94.06	95.50	49030	0.00	1.95	12.389	8.440
100YR_168H	SMF-1	BASE	171.01	94.02	95.50	48907	0.00	1.92	12.389	8.480
100YR_168H	SMF-1	BASE	171.26	93.99	95.50	48785	0.00	1.90	12.389	8.520
100YR_168H	SMF-1	BASE	171.51	93.95	95.50	48666	0.00	1.88	12.389	8.559
100YR_168H	SMF-1	BASE	171.76	93.92	95.50	48549	0.00	1.86	12.389	8.597
100YR_168H	SMF-1	BASE	172.01	93.88	95.50	48433	0.00	1.83	12.389	8.635
100YR_168H	SMF-1	BASE	172.26	93.85	95.50	48317	0.00	1.81	12.389	8.673
100YR_168H	SMF-1	BASE	173.26	93.72	95.50	47868	0.00	1.72	12.389	8.819
100YR_168H	SMF-1	BASE	174.26	93.59	95.50	47437	0.00	1.64	12.389	8.958
100YR_168H	SMF-1	BASE	175.26	93.47	95.50	47024	0.00	1.55	12.389	9.089
100YR_168H	SMF-1	BASE	176.26	93.35	95.50	46630	0.00	1.46	12.389	9.214
100YR_168H	SMF-1	BASE	177.26	93.24	95.50	46256	0.00	1.38	12.389	9.331
100YR_168H	SMF-1	BASE	178.26	93.14	95.50	45902	0.00	1.29	12.389	9.442
100YR_168H	SMF-1	BASE	179.26	93.04	95.50	45568	0.00	1.20	12.389	9.545
100YR_168H	SMF-1	BASE	180.26	92.95	95.50	45260	0.00	1.12	12.389	9.641
100YR_168H	SMF-1	BASE	181.26	92.86	95.50	44977	0.00	1.02	12.389	9.729
100YR_168H	SMF-1	BASE	182.26	92.78	95.50	44721	0.00	0.92	12.389	9.809
100YR_168H	SMF-1	BASE	183.26	92.71	95.50	44488	0.00	0.82	12.389	9.881
100YR_168H	SMF-1	BASE	184.26	92.65	95.50	44278	0.00	0.74	12.389	9.945
100YR_168H	SMF-1	BASE	185.26	92.59	95.50	44088	0.00	0.67	12.389	10.004
100YR_168H	SMF-1	BASE	186.26	92.54	95.50	43919	0.00	0.58	12.389	10.055
100YR_168H	SMF-1	BASE	187.26	92.50	95.50	43770	0.00	0.52	12.389	10.101
100YR_168H	SMF-1	BASE	188.26	92.46	95.50	43632	0.00	0.49	12.389	10.142
100YR_168H	SMF-1	BASE	189.26	92.42	95.50	43505	0.00	0.44	12.389	10.181
100YR_168H	SMF-1	BASE	190.26	92.38	95.50	43390	0.00	0.40	12.389	10.215
100YR_168H	SMF-1	BASE	191.26	92.35	95.50	43285	0.00	0.36	12.389	10.247
100YR_168H	SMF-1	BASE	192.26	92.32	95.50	43190	0.00	0.33	12.389	10.275
100YR_168H	SMF-1	BASE	193.26	92.30	95.50	43104	0.00	0.30	12.389	10.301
100YR_168H	SMF-1	BASE	194.26	92.27	95.50	43026	0.00	0.27	12.389	10.325
100YR_168H	SMF-1	BASE	195.26	92.25	95.50	42954	0.00	0.25	12.389	10.346
100YR_168H	SMF-1	BASE	196.26	92.23	95.50	42888	0.00	0.23	12.389	10.366
100YR_168H	SMF-1	BASE	197.26	92.21	95.50	42827	0.00	0.21	12.389	10.384
100YR_168H	SMF-1	BASE	198.26	92.20	95.50	42770	0.00	0.20	12.389	10.401
100YR_168H	SMF-1	BASE	199.26	92.18	95.50	42717	0.00	0.18	12.389	10.416
100YR_168H	SMF-1	BASE	200.26	92.16	95.50	42667	0.00	0.17	12.389	10.431
100YR_168H	SMF-1	BASE	201.26	92.15	95.50	42621	0.00	0.16	12.389	10.445
100YR_168H	SMF-1	BASE	202.26	92.14	95.50	42576	0.00	0.15	12.389	10.458
100YR_168H	SMF-1	BASE	203.26	92.12	95.50	42535	0.00	0.15	12.389	10.470
100YR_168H	SMF-1	BASE	204.26	92.11	95.50	42495	0.00	0.14	12.389	10.482
100YR_168H	SMF-1	BASE	205.26	92.10	95.50	42456	0.00	0.13	12.389	10.493

Project: 17-0373 Legacy Park - Phase 2
SMF-1 Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_168H	SMF-1	BASE	440.26	90.58	95.50	37649	0.00	0.05	12.389	11.889
100YR_168H	SMF-1	BASE	444.26	90.56	95.50	37596	0.00	0.05	12.389	11.904
100YR_168H	SMF-1	BASE	448.26	90.55	95.50	37542	0.00	0.04	12.389	11.919
100YR_168H	SMF-1	BASE	452.26	90.53	95.50	37490	0.00	0.04	12.389	11.934
100YR_168H	SMF-1	BASE	456.26	90.51	95.50	37437	0.00	0.04	12.389	11.949
100YR_168H	SMF-1	BASE	460.26	90.50	95.50	37386	0.00	0.04	12.389	11.963
100YR_168H	SMF-1	BASE	464.26	90.48	95.50	37334	0.00	0.04	12.389	11.977
100YR_168H	SMF-1	BASE	468.26	90.46	95.50	37284	0.00	0.04	12.389	11.991
100YR_168H	SMF-1	BASE	472.26	90.45	95.50	37233	0.00	0.04	12.389	12.005
100YR_168H	SMF-1	BASE	476.26	90.43	95.50	37183	0.00	0.04	12.389	12.019
100YR_168H	SMF-1	BASE	480.26	90.42	95.50	37134	0.00	0.04	12.389	12.033
100YR_168H	SMF-1	BASE	484.26	90.40	95.50	37085	0.00	0.04	12.389	12.046
100YR_168H	SMF-1	BASE	488.26	90.38	95.50	37036	0.00	0.04	12.389	12.059
100YR_168H	SMF-1	BASE	492.26	90.37	95.50	36988	0.00	0.04	12.389	12.073
100YR_168H	SMF-1	BASE	496.26	90.35	95.50	36940	0.00	0.04	12.389	12.086
100YR_168H	SMF-1	BASE	500.26	90.34	95.50	36893	0.00	0.04	12.389	12.099
100YR_168H	SMF-1	BASE	504.26	90.32	95.50	36846	0.00	0.04	12.389	12.112
100YR_168H	SMF-1	BASE	508.26	90.31	95.50	36799	0.00	0.04	12.389	12.124
100YR_168H	SMF-1	BASE	512.26	90.29	95.50	36753	0.00	0.04	12.389	12.137
100YR_168H	SMF-1	BASE	516.26	90.28	95.50	36707	0.00	0.04	12.389	12.150
100YR_168H	SMF-1	BASE	520.26	90.26	95.50	36662	0.00	0.04	12.389	12.162
100YR_168H	SMF-1	BASE	524.26	90.25	95.50	36616	0.00	0.04	12.389	12.174
100YR_168H	SMF-1	BASE	528.26	90.23	95.50	36572	0.00	0.04	12.389	12.186
100YR_168H	SMF-1	BASE	532.26	90.22	95.50	36527	0.00	0.04	12.389	12.198
100YR_168H	SMF-1	BASE	536.26	90.20	95.50	36483	0.00	0.04	12.389	12.210
100YR_168H	SMF-1	BASE	540.26	90.19	95.50	36439	0.00	0.04	12.389	12.222
100YR_168H	SMF-1	BASE	544.26	90.18	95.50	36396	0.00	0.04	12.389	12.234
100YR_168H	SMF-1	BASE	548.26	90.16	95.50	36353	0.00	0.04	12.389	12.246
100YR_168H	SMF-1	BASE	552.26	90.15	95.50	36310	0.00	0.03	12.389	12.257
100YR_168H	SMF-1	BASE	556.26	90.14	95.50	36268	0.00	0.03	12.389	12.268
100YR_168H	SMF-1	BASE	560.26	90.12	95.50	36226	0.00	0.03	12.389	12.280
100YR_168H	SMF-1	BASE	564.26	90.11	95.50	36184	0.00	0.03	12.389	12.291
100YR_168H	SMF-1	BASE	568.26	90.09	95.50	36142	0.00	0.03	12.389	12.302
100YR_168H	SMF-1	BASE	572.26	90.08	95.50	36101	0.00	0.03	12.389	12.313
100YR_168H	SMF-1	BASE	576.26	90.07	95.50	36060	0.00	0.03	12.389	12.324
100YR_168H	SMF-1	BASE	580.26	90.05	95.50	36020	0.00	0.03	12.389	12.335
100YR_168H	SMF-1	BASE	584.26	90.04	95.50	35979	0.00	0.03	12.389	12.346
100YR_168H	SMF-1	BASE	588.26	90.03	95.50	35939	0.00	0.03	12.389	12.357
100YR_168H	SMF-1	BASE	592.26	90.02	95.50	35899	0.00	0.03	12.389	12.367
100YR_168H	SMF-1	BASE	596.26	90.00	95.50	35860	0.00	0.03	12.389	12.378
100YR_168H	SMF-1	BASE	600.26	90.00	95.50	35850	0.00	0.00	12.389	12.383
100YR_168H	SMF-1	BASE	604.26	90.00	95.50	35850	0.00	0.00	12.389	12.383
100YR_168H	SMF-1	BASE	608.26	90.00	95.50	35850	0.00	0.00	12.389	12.383
100YR_168H	SMF-1	BASE	612.26	90.00	95.50	35850	0.00	0.00	12.389	12.383
100YR_168H	SMF-1	BASE	616.26	90.00	95.50	35850	0.00	0.00	12.389	12.383
100YR_168H	SMF-1	BASE	620.26	90.00	95.50	35850	0.00	0.00	12.389	12.383
100YR_168H	SMF-1	BASE	624.26	90.00	95.50	35850	0.00	0.00	12.389	12.383
100YR_168H	SMF-1	BASE	628.26	90.00	95.50	35850	0.00	0.00	12.389	12.383
100YR_168H	SMF-1	BASE	632.26	90.00	95.50	35850	0.00	0.00	12.389	12.383
100YR_168H	SMF-1	BASE	636.26	90.00	95.50	35850	0.00	0.00	12.389	12.383
100YR_168H	SMF-1	BASE	640.26	90.00	95.50	35850	0.00	0.00	12.389	12.383
100YR_168H	SMF-1	BASE	644.26	90.00	95.50	35850	0.00	0.00	12.389	12.383

Project: 17-0373 Legacy Park - Phase 2
SMF-1 Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_240H	SMF-1	BASE	205.51	93.73	95.50	47904	1.09	1.76	12.957	9.385
100YR_240H	SMF-1	BASE	205.76	93.71	95.50	47862	1.09	1.75	12.980	9.421
100YR_240H	SMF-1	BASE	206.01	93.70	95.50	47820	1.09	1.74	13.002	9.457
100YR_240H	SMF-1	BASE	206.26	93.69	95.50	47778	1.09	1.73	13.025	9.493
100YR_240H	SMF-1	BASE	206.51	93.68	95.50	47737	1.09	1.72	13.047	9.528
100YR_240H	SMF-1	BASE	206.76	93.67	95.50	47697	1.09	1.72	13.070	9.564
100YR_240H	SMF-1	BASE	207.01	93.65	95.50	47657	1.09	1.71	13.092	9.599
100YR_240H	SMF-1	BASE	207.26	93.64	95.50	47617	1.09	1.70	13.115	9.634
100YR_240H	SMF-1	BASE	207.51	93.63	95.50	47578	1.09	1.69	13.137	9.670
100YR_240H	SMF-1	BASE	207.76	93.62	95.50	47540	1.09	1.68	13.160	9.704
100YR_240H	SMF-1	BASE	208.01	93.61	95.50	47502	1.09	1.68	13.182	9.739
100YR_240H	SMF-1	BASE	208.26	93.60	95.50	47466	1.13	1.67	13.205	9.774
100YR_240H	SMF-1	BASE	208.51	93.59	95.50	47431	1.13	1.66	13.228	9.808
100YR_240H	SMF-1	BASE	208.76	93.58	95.50	47396	1.13	1.66	13.252	9.842
100YR_240H	SMF-1	BASE	209.01	93.57	95.50	47362	1.13	1.65	13.275	9.877
100YR_240H	SMF-1	BASE	209.26	93.56	95.50	47329	1.13	1.64	13.298	9.911
100YR_240H	SMF-1	BASE	209.51	93.55	95.50	47296	1.13	1.64	13.322	9.944
100YR_240H	SMF-1	BASE	209.76	93.54	95.50	47263	1.13	1.63	13.345	9.978
100YR_240H	SMF-1	BASE	210.01	93.53	95.50	47231	1.13	1.62	13.368	10.012
100YR_240H	SMF-1	BASE	210.26	93.52	95.50	47199	1.13	1.62	13.392	10.045
100YR_240H	SMF-1	BASE	210.51	93.51	95.50	47168	1.13	1.61	13.415	10.079
100YR_240H	SMF-1	BASE	210.76	93.50	95.50	47137	1.13	1.60	13.438	10.112
100YR_240H	SMF-1	BASE	211.01	93.49	95.50	47106	1.13	1.60	13.462	10.145
100YR_240H	SMF-1	BASE	211.26	93.48	95.50	47076	1.13	1.59	13.485	10.178
100YR_240H	SMF-1	BASE	211.51	93.47	95.50	47046	1.13	1.58	13.508	10.211
100YR_240H	SMF-1	BASE	211.76	93.47	95.50	47017	1.13	1.58	13.532	10.243
100YR_240H	SMF-1	BASE	212.01	93.46	95.50	46988	1.13	1.57	13.555	10.276
100YR_240H	SMF-1	BASE	212.26	93.45	95.50	46960	1.13	1.57	13.578	10.308
100YR_240H	SMF-1	BASE	212.51	93.44	95.50	46932	1.13	1.56	13.602	10.341
100YR_240H	SMF-1	BASE	212.76	93.43	95.50	46904	1.13	1.55	13.625	10.373
100YR_240H	SMF-1	BASE	213.01	93.42	95.50	46876	1.13	1.55	13.648	10.405
100YR_240H	SMF-1	BASE	213.26	93.42	95.50	46849	1.13	1.54	13.672	10.437
100YR_240H	SMF-1	BASE	213.51	93.41	95.50	46823	1.13	1.54	13.695	10.469
100YR_240H	SMF-1	BASE	213.76	93.40	95.50	46797	1.13	1.53	13.719	10.500
100YR_240H	SMF-1	BASE	214.01	93.39	95.50	46771	1.13	1.53	13.742	10.532
100YR_240H	SMF-1	BASE	214.26	93.39	95.50	46745	1.13	1.52	13.765	10.563
100YR_240H	SMF-1	BASE	214.51	93.38	95.50	46720	1.13	1.51	13.789	10.595
100YR_240H	SMF-1	BASE	214.76	93.37	95.50	46695	1.13	1.51	13.812	10.626
100YR_240H	SMF-1	BASE	215.01	93.36	95.50	46671	1.13	1.50	13.836	10.657
100YR_240H	SMF-1	BASE	215.26	93.36	95.50	46647	1.13	1.50	13.859	10.688
100YR_240H	SMF-1	BASE	215.51	93.35	95.50	46623	1.13	1.49	13.883	10.719
100YR_240H	SMF-1	BASE	215.76	93.34	95.50	46600	1.14	1.49	13.906	10.750
100YR_240H	SMF-1	BASE	216.01	93.34	95.50	46577	1.08	1.48	13.929	10.780
100YR_240H	SMF-1	BASE	216.26	93.32	95.50	46521	0.44	1.47	13.945	10.811
100YR_240H	SMF-1	BASE	216.51	93.30	95.50	46453	0.43	1.45	13.954	10.841
100YR_240H	SMF-1	BASE	216.76	93.28	95.50	46387	0.43	1.43	13.963	10.871
100YR_240H	SMF-1	BASE	217.01	93.26	95.50	46322	0.43	1.41	13.972	10.900
100YR_240H	SMF-1	BASE	217.26	93.24	95.50	46258	0.43	1.40	13.981	10.929
100YR_240H	SMF-1	BASE	217.51	93.22	95.50	46195	0.43	1.38	13.989	10.958
100YR_240H	SMF-1	BASE	217.76	93.21	95.50	46133	0.43	1.36	13.998	10.986
100YR_240H	SMF-1	BASE	218.01	93.19	95.50	46072	0.43	1.35	14.007	11.014
100YR_240H	SMF-1	BASE	218.26	93.17	95.50	46011	0.43	1.33	14.016	11.042

Project: 17-0373 Legacy Park - Phase 2
SMF-1 Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_240H	SMF-1	BASE	636.26	90.21	95.50	36492	0.00	0.03	14.826	14.649
100YR_240H	SMF-1	BASE	640.26	90.20	95.50	36453	0.00	0.03	14.826	14.660
100YR_240H	SMF-1	BASE	644.26	90.18	95.50	36414	0.00	0.03	14.826	14.670
100YR_240H	SMF-1	BASE	648.26	90.17	95.50	36376	0.00	0.03	14.826	14.681
100YR_240H	SMF-1	BASE	652.26	90.16	95.50	36338	0.00	0.03	14.826	14.691
100YR_240H	SMF-1	BASE	656.26	90.15	95.50	36300	0.00	0.03	14.826	14.701
100YR_240H	SMF-1	BASE	660.26	90.13	95.50	36262	0.00	0.03	14.826	14.712
100YR_240H	SMF-1	BASE	664.26	90.12	95.50	36224	0.00	0.03	14.826	14.722
100YR_240H	SMF-1	BASE	668.26	90.11	95.50	36187	0.00	0.03	14.826	14.732
100YR_240H	SMF-1	BASE	672.26	90.10	95.50	36150	0.00	0.03	14.826	14.742
100YR_240H	SMF-1	BASE	676.26	90.09	95.50	36113	0.00	0.03	14.826	14.752
100YR_240H	SMF-1	BASE	680.26	90.07	95.50	36077	0.00	0.03	14.826	14.761
100YR_240H	SMF-1	BASE	684.26	90.06	95.50	36040	0.00	0.03	14.826	14.771
100YR_240H	SMF-1	BASE	688.26	90.05	95.50	36004	0.00	0.03	14.826	14.781
100YR_240H	SMF-1	BASE	692.26	90.04	95.50	35968	0.00	0.03	14.826	14.790
100YR_240H	SMF-1	BASE	696.26	90.03	95.50	35932	0.00	0.03	14.826	14.800
100YR_240H	SMF-1	BASE	700.26	90.02	95.50	35897	0.00	0.03	14.826	14.809
100YR_240H	SMF-1	BASE	704.26	90.00	95.50	35861	0.00	0.03	14.826	14.819
100YR_240H	SMF-1	BASE	708.26	90.00	95.50	35850	0.00	0.00	14.826	14.823
100YR_240H	SMF-1	BASE	712.26	90.00	95.50	35850	0.00	0.00	14.826	14.823
100YR_240H	SMF-1	BASE	716.26	90.00	95.50	35850	0.00	0.00	14.826	14.823
100YR_240H	SMF-1	BASE	720.26	90.00	95.50	35850	0.00	0.00	14.826	14.823
100YR_240H	SMF-1	BASE	724.26	90.00	95.50	35850	0.00	0.00	14.826	14.823
100YR_240H	SMF-1	BASE	728.26	90.00	95.50	35850	0.00	0.00	14.826	14.823
100YR_240H	SMF-1	BASE	732.26	90.00	95.50	35850	0.00	0.00	14.826	14.823
100YR_240H	SMF-1	BASE	736.26	90.00	95.50	35850	0.00	0.00	14.826	14.823
100YR_240H	SMF-1	BASE	740.26	90.00	95.50	35850	0.00	0.00	14.826	14.823
100YR_240H	SMF-1	BASE	744.26	90.00	95.50	35850	0.00	0.00	14.826	14.823
100YR_240H	SMF-1	BASE	748.26	90.00	95.50	35850	0.00	0.00	14.826	14.823
100YR_240H	SMF-1	BASE	752.26	90.00	95.50	35850	0.00	0.00	14.826	14.823
100YR_240H	SMF-1	BASE	756.26	90.00	95.50	35850	0.00	0.00	14.826	14.823
100YR_240H	SMF-1	BASE	760.26	90.00	95.50	35850	0.00	0.00	14.826	14.823
100YR_240H	SMF-1	BASE	764.26	90.00	95.50	35850	0.00	0.00	14.826	14.823
100YR_240H	SMF-1	BASE	768.26	90.00	95.50	35850	0.00	0.00	14.826	14.823
100YR_240H	SMF-1	BASE	772.26	90.00	95.50	35850	0.00	0.00	14.826	14.823
100YR_240H	SMF-1	BASE	776.26	90.00	95.50	35850	0.00	0.00	14.826	14.823
100YR_240H	SMF-1	BASE	780.26	90.00	95.50	35850	0.00	0.00	14.826	14.823
100YR_240H	SMF-1	BASE	784.26	90.00	95.50	35850	0.00	0.00	14.826	14.823
100YR_240H	SMF-1	BASE	788.26	90.00	95.50	35850	0.00	0.00	14.826	14.823
100YR_240H	SMF-1	BASE	792.26	90.00	95.50	35850	0.00	0.00	14.826	14.823
100YR_240H	SMF-1	BASE	796.26	90.00	95.50	35850	0.00	0.00	14.826	14.823
100YR_240H	SMF-1	BASE	800.26	90.00	95.50	35850	0.00	0.00	14.826	14.823
100YR_240H	SMF-1	BASE	804.26	90.00	95.50	35850	0.00	0.00	14.826	14.823
100YR_240H	SMF-1	BASE	808.26	90.00	95.50	35850	0.00	0.00	14.826	14.823
100YR_240H	SMF-1	BASE	812.26	90.00	95.50	35850	0.00	0.00	14.826	14.823
100YR_240H	SMF-1	BASE	816.26	90.00	95.50	35850	0.00	0.00	14.826	14.823
100YR_240H	SMF-1	BASE	820.26	90.00	95.50	35850	0.00	0.00	14.826	14.823
100YR_240H	SMF-1	BASE	824.26	90.00	95.50	35850	0.00	0.00	14.826	14.823
100YR_240H	SMF-1	BASE	828.26	90.00	95.50	35850	0.00	0.00	14.826	14.823
100YR_240H	SMF-1	BASE	832.26	90.00	95.50	35850	0.00	0.00	14.826	14.823
100YR_240H	SMF-1	BASE	836.26	90.00	95.50	35850	0.00	0.00	14.826	14.823
100YR_240H	SMF-1	BASE	840.26	90.00	95.50	35850	0.00	0.00	14.826	14.823

Project: 17-0373 Legacy Park - Phase 2
SMF-2 Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_001H	SMF-2	BASE	8.84	111.04	114.50	3543	0.00	0.01	0.119	0.115
100YR_001H	SMF-2	BASE	9.09	111.04	114.50	3538	0.00	0.01	0.119	0.115
100YR_001H	SMF-2	BASE	9.34	111.04	114.50	3534	0.00	0.01	0.119	0.116
100YR_001H	SMF-2	BASE	9.59	111.03	114.50	3530	0.00	0.01	0.119	0.116
100YR_001H	SMF-2	BASE	9.84	111.03	114.50	3526	0.00	0.01	0.119	0.116
100YR_001H	SMF-2	BASE	10.09	111.03	114.50	3522	0.00	0.01	0.119	0.116
100YR_001H	SMF-2	BASE	10.34	111.03	114.50	3518	0.00	0.01	0.119	0.117
100YR_001H	SMF-2	BASE	10.59	111.02	114.50	3514	0.00	0.01	0.119	0.117
100YR_001H	SMF-2	BASE	10.84	111.02	114.50	3511	0.00	0.01	0.119	0.117
100YR_001H	SMF-2	BASE	11.09	111.02	114.50	3507	0.00	0.01	0.119	0.117
100YR_001H	SMF-2	BASE	11.34	111.01	114.50	3504	0.00	0.01	0.119	0.117
100YR_001H	SMF-2	BASE	11.59	111.01	114.50	3500	0.00	0.01	0.119	0.118
100YR_001H	SMF-2	BASE	11.84	111.01	114.50	3497	0.00	0.01	0.119	0.118
100YR_001H	SMF-2	BASE	12.09	111.01	114.50	3493	0.00	0.01	0.119	0.118
100YR_001H	SMF-2	BASE	12.34	111.00	114.50	3490	0.00	0.01	0.119	0.118
100YR_001H	SMF-2	BASE	12.59	111.00	114.50	3486	0.00	0.01	0.119	0.118
100YR_001H	SMF-2	BASE	12.84	111.00	114.50	3485	0.00	0.00	0.119	0.119
100YR_001H	SMF-2	BASE	13.09	111.00	114.50	3485	0.00	0.00	0.119	0.119
100YR_001H	SMF-2	BASE	13.34	111.00	114.50	3485	0.00	0.00	0.119	0.119
100YR_001H	SMF-2	BASE	13.59	111.00	114.50	3485	0.00	0.00	0.119	0.119
100YR_001H	SMF-2	BASE	13.84	111.00	114.50	3485	0.00	0.00	0.119	0.119
100YR_001H	SMF-2	BASE	14.09	111.00	114.50	3485	0.00	0.00	0.119	0.119
100YR_001H	SMF-2	BASE	14.34	111.00	114.50	3485	0.00	0.00	0.119	0.119
100YR_001H	SMF-2	BASE	14.59	111.00	114.50	3485	0.00	0.00	0.119	0.119
100YR_001H	SMF-2	BASE	14.84	111.00	114.50	3485	0.00	0.00	0.119	0.119
100YR_001H	SMF-2	BASE	15.09	111.00	114.50	3485	0.00	0.00	0.119	0.119
100YR_001H	SMF-2	BASE	15.34	111.00	114.50	3485	0.00	0.00	0.119	0.119
100YR_001H	SMF-2	BASE	15.59	111.00	114.50	3485	0.00	0.00	0.119	0.119
100YR_001H	SMF-2	BASE	15.84	111.00	114.50	3485	0.00	0.00	0.119	0.119
100YR_001H	SMF-2	BASE	16.09	111.00	114.50	3485	0.00	0.00	0.119	0.119
100YR_001H	SMF-2	BASE	16.34	111.00	114.50	3485	0.00	0.00	0.119	0.119
100YR_001H	SMF-2	BASE	16.59	111.00	114.50	3485	0.00	0.00	0.119	0.119
100YR_001H	SMF-2	BASE	16.84	111.00	114.50	3485	0.00	0.00	0.119	0.119
100YR_001H	SMF-2	BASE	17.09	111.00	114.50	3485	0.00	0.00	0.119	0.119
100YR_001H	SMF-2	BASE	17.34	111.00	114.50	3485	0.00	0.00	0.119	0.119
100YR_001H	SMF-2	BASE	17.59	111.00	114.50	3485	0.00	0.00	0.119	0.119
100YR_001H	SMF-2	BASE	17.84	111.00	114.50	3485	0.00	0.00	0.119	0.119
100YR_001H	SMF-2	BASE	18.09	111.00	114.50	3485	0.00	0.00	0.119	0.119
100YR_001H	SMF-2	BASE	18.34	111.00	114.50	3485	0.00	0.00	0.119	0.119
100YR_001H	SMF-2	BASE	18.59	111.00	114.50	3485	0.00	0.00	0.119	0.119
100YR_001H	SMF-2	BASE	18.84	111.00	114.50	3485	0.00	0.00	0.119	0.119
100YR_001H	SMF-2	BASE	19.09	111.00	114.50	3485	0.00	0.00	0.119	0.119
100YR_001H	SMF-2	BASE	19.34	111.00	114.50	3485	0.00	0.00	0.119	0.119
100YR_001H	SMF-2	BASE	19.59	111.00	114.50	3485	0.00	0.00	0.119	0.119
100YR_001H	SMF-2	BASE	19.84	111.00	114.50	3485	0.00	0.00	0.119	0.119
100YR_001H	SMF-2	BASE	20.09	111.00	114.50	3485	0.00	0.00	0.119	0.119
100YR_001H	SMF-2	BASE	20.34	111.00	114.50	3485	0.00	0.00	0.119	0.119
100YR_001H	SMF-2	BASE	20.59	111.00	114.50	3485	0.00	0.00	0.119	0.119
100YR_001H	SMF-2	BASE	20.84	111.00	114.50	3485	0.00	0.00	0.119	0.119
100YR_001H	SMF-2	BASE	21.09	111.00	114.50	3485	0.00	0.00	0.119	0.119
100YR_001H	SMF-2	BASE	21.34	111.00	114.50	3485	0.00	0.00	0.119	0.119
100YR_001H	SMF-2	BASE	21.59	111.00	114.50	3485	0.00	0.00	0.119	0.119

Project: 17-0373 Legacy Park - Phase 2
SMF-2 Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_002H	SMF-2	BASE	4.51	111.45	114.50	4068	0.00	0.30	0.205	0.163
100YR_002H	SMF-2	BASE	4.76	111.39	114.50	3990	0.00	0.24	0.205	0.169
100YR_002H	SMF-2	BASE	5.01	111.34	114.50	3923	0.00	0.20	0.205	0.173
100YR_002H	SMF-2	BASE	5.25	111.29	114.50	3868	0.00	0.17	0.205	0.177
100YR_002H	SMF-2	BASE	5.50	111.26	114.50	3821	0.00	0.14	0.205	0.180
100YR_002H	SMF-2	BASE	5.76	111.23	114.50	3782	0.00	0.11	0.205	0.183
100YR_002H	SMF-2	BASE	6.01	111.20	114.50	3750	0.00	0.09	0.205	0.185
100YR_002H	SMF-2	BASE	6.26	111.18	114.50	3723	0.00	0.08	0.205	0.187
100YR_002H	SMF-2	BASE	6.51	111.16	114.50	3700	0.00	0.07	0.205	0.188
100YR_002H	SMF-2	BASE	6.76	111.15	114.50	3680	0.00	0.06	0.205	0.189
100YR_002H	SMF-2	BASE	7.01	111.14	114.50	3663	0.00	0.05	0.205	0.191
100YR_002H	SMF-2	BASE	7.26	111.13	114.50	3648	0.00	0.04	0.205	0.192
100YR_002H	SMF-2	BASE	7.51	111.11	114.50	3635	0.00	0.04	0.205	0.192
100YR_002H	SMF-2	BASE	7.76	111.11	114.50	3623	0.00	0.03	0.205	0.193
100YR_002H	SMF-2	BASE	8.01	111.10	114.50	3613	0.00	0.03	0.205	0.194
100YR_002H	SMF-2	BASE	8.26	111.09	114.50	3603	0.00	0.03	0.205	0.194
100YR_002H	SMF-2	BASE	8.51	111.08	114.50	3595	0.00	0.03	0.205	0.195
100YR_002H	SMF-2	BASE	8.76	111.08	114.50	3587	0.00	0.02	0.205	0.195
100YR_002H	SMF-2	BASE	9.01	111.07	114.50	3579	0.00	0.02	0.205	0.196
100YR_002H	SMF-2	BASE	9.26	111.07	114.50	3573	0.00	0.02	0.205	0.196
100YR_002H	SMF-2	BASE	9.51	111.06	114.50	3566	0.00	0.02	0.205	0.197
100YR_002H	SMF-2	BASE	9.76	111.06	114.50	3560	0.00	0.02	0.205	0.197
100YR_002H	SMF-2	BASE	10.01	111.05	114.50	3555	0.00	0.02	0.205	0.197
100YR_002H	SMF-2	BASE	10.26	111.05	114.50	3550	0.00	0.02	0.205	0.198
100YR_002H	SMF-2	BASE	10.51	111.05	114.50	3545	0.00	0.01	0.205	0.198
100YR_002H	SMF-2	BASE	10.76	111.04	114.50	3540	0.00	0.01	0.205	0.198
100YR_002H	SMF-2	BASE	11.01	111.04	114.50	3536	0.00	0.01	0.205	0.199
100YR_002H	SMF-2	BASE	11.26	111.04	114.50	3531	0.00	0.01	0.205	0.199
100YR_002H	SMF-2	BASE	11.51	111.03	114.50	3527	0.00	0.01	0.205	0.199
100YR_002H	SMF-2	BASE	11.76	111.03	114.50	3523	0.00	0.01	0.205	0.199
100YR_002H	SMF-2	BASE	12.01	111.03	114.50	3519	0.00	0.01	0.205	0.200
100YR_002H	SMF-2	BASE	12.26	111.02	114.50	3516	0.00	0.01	0.205	0.200
100YR_002H	SMF-2	BASE	12.51	111.02	114.50	3512	0.00	0.01	0.205	0.200
100YR_002H	SMF-2	BASE	12.76	111.02	114.50	3508	0.00	0.01	0.205	0.200
100YR_002H	SMF-2	BASE	13.01	111.02	114.50	3505	0.00	0.01	0.205	0.201
100YR_002H	SMF-2	BASE	13.26	111.01	114.50	3501	0.00	0.01	0.205	0.201
100YR_002H	SMF-2	BASE	13.51	111.01	114.50	3498	0.00	0.01	0.205	0.201
100YR_002H	SMF-2	BASE	13.76	111.01	114.50	3495	0.00	0.01	0.205	0.201
100YR_002H	SMF-2	BASE	14.01	111.00	114.50	3491	0.00	0.01	0.205	0.201
100YR_002H	SMF-2	BASE	14.26	111.00	114.50	3488	0.00	0.01	0.205	0.202
100YR_002H	SMF-2	BASE	14.51	111.00	114.50	3485	0.00	0.00	0.205	0.202
100YR_002H	SMF-2	BASE	14.76	111.00	114.50	3485	0.00	0.00	0.205	0.202
100YR_002H	SMF-2	BASE	15.01	111.00	114.50	3485	0.00	0.00	0.205	0.202
100YR_002H	SMF-2	BASE	15.26	111.00	114.50	3485	0.00	0.00	0.205	0.202
100YR_002H	SMF-2	BASE	15.51	111.00	114.50	3485	0.00	0.00	0.205	0.202
100YR_002H	SMF-2	BASE	15.76	111.00	114.50	3485	0.00	0.00	0.205	0.202
100YR_002H	SMF-2	BASE	16.01	111.00	114.50	3485	0.00	0.00	0.205	0.202
100YR_002H	SMF-2	BASE	16.26	111.00	114.50	3485	0.00	0.00	0.205	0.202
100YR_002H	SMF-2	BASE	16.51	111.00	114.50	3485	0.00	0.00	0.205	0.202
100YR_002H	SMF-2	BASE	16.76	111.00	114.50	3485	0.00	0.00	0.205	0.202
100YR_002H	SMF-2	BASE	17.01	111.00	114.50	3485	0.00	0.00	0.205	0.202
100YR_002H	SMF-2	BASE	17.26	111.00	114.50	3485	0.00	0.00	0.205	0.202

Project: 17-0373 Legacy Park - Phase 2
SMF-2 Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_004H	SMF-2	BASE	12.75	111.06	114.50	3562	0.00	0.02	0.344	0.325
100YR_004H	SMF-2	BASE	13.00	111.05	114.50	3556	0.00	0.02	0.344	0.326
100YR_004H	SMF-2	BASE	13.25	111.05	114.50	3551	0.00	0.02	0.344	0.326
100YR_004H	SMF-2	BASE	13.50	111.05	114.50	3546	0.00	0.01	0.344	0.326
100YR_004H	SMF-2	BASE	13.75	111.04	114.50	3541	0.00	0.01	0.344	0.327
100YR_004H	SMF-2	BASE	14.00	111.04	114.50	3537	0.00	0.01	0.344	0.327
100YR_004H	SMF-2	BASE	14.25	111.04	114.50	3532	0.00	0.01	0.344	0.327
100YR_004H	SMF-2	BASE	14.50	111.03	114.50	3528	0.00	0.01	0.344	0.327
100YR_004H	SMF-2	BASE	14.75	111.03	114.50	3524	0.00	0.01	0.344	0.328
100YR_004H	SMF-2	BASE	15.00	111.03	114.50	3520	0.00	0.01	0.344	0.328
100YR_004H	SMF-2	BASE	15.25	111.02	114.50	3516	0.00	0.01	0.344	0.328
100YR_004H	SMF-2	BASE	15.50	111.02	114.50	3513	0.00	0.01	0.344	0.328
100YR_004H	SMF-2	BASE	15.75	111.02	114.50	3509	0.00	0.01	0.344	0.329
100YR_004H	SMF-2	BASE	16.00	111.02	114.50	3506	0.00	0.01	0.344	0.329
100YR_004H	SMF-2	BASE	16.25	111.01	114.50	3502	0.00	0.01	0.344	0.329
100YR_004H	SMF-2	BASE	16.50	111.01	114.50	3499	0.00	0.01	0.344	0.329
100YR_004H	SMF-2	BASE	16.75	111.01	114.50	3495	0.00	0.01	0.344	0.329
100YR_004H	SMF-2	BASE	17.00	111.01	114.50	3492	0.00	0.01	0.344	0.330
100YR_004H	SMF-2	BASE	17.25	111.00	114.50	3489	0.00	0.01	0.344	0.330
100YR_004H	SMF-2	BASE	17.50	111.00	114.50	3485	0.00	0.01	0.344	0.330
100YR_004H	SMF-2	BASE	17.75	111.00	114.50	3485	0.00	0.00	0.344	0.330
100YR_004H	SMF-2	BASE	18.00	111.00	114.50	3485	0.00	0.00	0.344	0.330
100YR_004H	SMF-2	BASE	18.25	111.00	114.50	3485	0.00	0.00	0.344	0.330
100YR_004H	SMF-2	BASE	18.50	111.00	114.50	3485	0.00	0.00	0.344	0.330
100YR_004H	SMF-2	BASE	18.75	111.00	114.50	3485	0.00	0.00	0.344	0.330
100YR_004H	SMF-2	BASE	19.00	111.00	114.50	3485	0.00	0.00	0.344	0.330
100YR_004H	SMF-2	BASE	19.25	111.00	114.50	3485	0.00	0.00	0.344	0.330
100YR_004H	SMF-2	BASE	19.50	111.00	114.50	3485	0.00	0.00	0.344	0.330
100YR_004H	SMF-2	BASE	19.75	111.00	114.50	3485	0.00	0.00	0.344	0.330
100YR_004H	SMF-2	BASE	20.00	111.00	114.50	3485	0.00	0.00	0.344	0.330
100YR_004H	SMF-2	BASE	20.25	111.00	114.50	3485	0.00	0.00	0.344	0.330
100YR_004H	SMF-2	BASE	20.50	111.00	114.50	3485	0.00	0.00	0.344	0.330
100YR_004H	SMF-2	BASE	20.75	111.00	114.50	3485	0.00	0.00	0.344	0.330
100YR_004H	SMF-2	BASE	21.00	111.00	114.50	3485	0.00	0.00	0.344	0.330
100YR_004H	SMF-2	BASE	21.25	111.00	114.50	3485	0.00	0.00	0.344	0.330
100YR_004H	SMF-2	BASE	21.50	111.00	114.50	3485	0.00	0.00	0.344	0.330
100YR_004H	SMF-2	BASE	21.75	111.00	114.50	3485	0.00	0.00	0.344	0.330
100YR_004H	SMF-2	BASE	22.00	111.00	114.50	3485	0.00	0.00	0.344	0.330
100YR_004H	SMF-2	BASE	22.25	111.00	114.50	3485	0.00	0.00	0.344	0.330
100YR_004H	SMF-2	BASE	22.50	111.00	114.50	3485	0.00	0.00	0.344	0.330
100YR_004H	SMF-2	BASE	22.75	111.00	114.50	3485	0.00	0.00	0.344	0.330
100YR_004H	SMF-2	BASE	23.00	111.00	114.50	3485	0.00	0.00	0.344	0.330
100YR_004H	SMF-2	BASE	23.25	111.00	114.50	3485	0.00	0.00	0.344	0.330
100YR_004H	SMF-2	BASE	23.50	111.00	114.50	3485	0.00	0.00	0.344	0.330
100YR_004H	SMF-2	BASE	23.75	111.00	114.50	3485	0.00	0.00	0.344	0.330
100YR_004H	SMF-2	BASE	24.00	111.00	114.50	3485	0.00	0.00	0.344	0.330
100YR_004H	SMF-2	BASE	24.25	111.00	114.50	3485	0.00	0.00	0.344	0.330
100YR_004H	SMF-2	BASE	25.25	111.00	114.50	3485	0.00	0.00	0.344	0.330
100YR_004H	SMF-2	BASE	26.25	111.00	114.50	3485	0.00	0.00	0.344	0.330
100YR_004H	SMF-2	BASE	27.25	111.00	114.50	3485	0.00	0.00	0.344	0.330
100YR_004H	SMF-2	BASE	28.25	111.00	114.50	3485	0.00	0.00	0.344	0.330
100YR_004H	SMF-2	BASE	29.25	111.00	114.50	3485	0.00	0.00	0.344	0.330

Project: 17-0373 Legacy Park - Phase 2
SMF-2 Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_008H	SMF-2	BASE	20.51	111.01	114.50	3493	0.00	0.01	0.486	0.472
100YR_008H	SMF-2	BASE	20.76	111.00	114.50	3489	0.00	0.01	0.486	0.472
100YR_008H	SMF-2	BASE	21.01	111.00	114.50	3486	0.00	0.01	0.486	0.472
100YR_008H	SMF-2	BASE	21.26	111.00	114.50	3485	0.00	0.00	0.486	0.472
100YR_008H	SMF-2	BASE	21.51	111.00	114.50	3485	0.00	0.00	0.486	0.472
100YR_008H	SMF-2	BASE	21.76	111.00	114.50	3485	0.00	0.00	0.486	0.472
100YR_008H	SMF-2	BASE	22.01	111.00	114.50	3485	0.00	0.00	0.486	0.472
100YR_008H	SMF-2	BASE	22.26	111.00	114.50	3485	0.00	0.00	0.486	0.472
100YR_008H	SMF-2	BASE	22.51	111.00	114.50	3485	0.00	0.00	0.486	0.472
100YR_008H	SMF-2	BASE	22.76	111.00	114.50	3485	0.00	0.00	0.486	0.472
100YR_008H	SMF-2	BASE	23.01	111.00	114.50	3485	0.00	0.00	0.486	0.472
100YR_008H	SMF-2	BASE	23.26	111.00	114.50	3485	0.00	0.00	0.486	0.472
100YR_008H	SMF-2	BASE	23.51	111.00	114.50	3485	0.00	0.00	0.486	0.472
100YR_008H	SMF-2	BASE	23.76	111.00	114.50	3485	0.00	0.00	0.486	0.472
100YR_008H	SMF-2	BASE	24.01	111.00	114.50	3485	0.00	0.00	0.486	0.472
100YR_008H	SMF-2	BASE	24.26	111.00	114.50	3485	0.00	0.00	0.486	0.472
100YR_008H	SMF-2	BASE	25.26	111.00	114.50	3485	0.00	0.00	0.486	0.472
100YR_008H	SMF-2	BASE	26.26	111.00	114.50	3485	0.00	0.00	0.486	0.472
100YR_008H	SMF-2	BASE	27.26	111.00	114.50	3485	0.00	0.00	0.486	0.472
100YR_008H	SMF-2	BASE	28.26	111.00	114.50	3485	0.00	0.00	0.486	0.472
100YR_008H	SMF-2	BASE	29.26	111.00	114.50	3485	0.00	0.00	0.486	0.472
100YR_008H	SMF-2	BASE	30.26	111.00	114.50	3485	0.00	0.00	0.486	0.472
100YR_008H	SMF-2	BASE	31.26	111.00	114.50	3485	0.00	0.00	0.486	0.472
100YR_008H	SMF-2	BASE	32.26	111.00	114.50	3485	0.00	0.00	0.486	0.472
100YR_008H	SMF-2	BASE	33.26	111.00	114.50	3485	0.00	0.00	0.486	0.472
100YR_008H	SMF-2	BASE	34.26	111.00	114.50	3485	0.00	0.00	0.486	0.472
100YR_008H	SMF-2	BASE	35.26	111.00	114.50	3485	0.00	0.00	0.486	0.472
100YR_008H	SMF-2	BASE	36.26	111.00	114.50	3485	0.00	0.00	0.486	0.472
100YR_008H	SMF-2	BASE	37.26	111.00	114.50	3485	0.00	0.00	0.486	0.472
100YR_008H	SMF-2	BASE	38.26	111.00	114.50	3485	0.00	0.00	0.486	0.472
100YR_008H	SMF-2	BASE	39.26	111.00	114.50	3485	0.00	0.00	0.486	0.472
100YR_008H	SMF-2	BASE	40.26	111.00	114.50	3485	0.00	0.00	0.486	0.472
100YR_008H	SMF-2	BASE	41.26	111.00	114.50	3485	0.00	0.00	0.486	0.472
100YR_008H	SMF-2	BASE	42.26	111.00	114.50	3485	0.00	0.00	0.486	0.472
100YR_008H	SMF-2	BASE	43.26	111.00	114.50	3485	0.00	0.00	0.486	0.472
100YR_008H	SMF-2	BASE	44.26	111.00	114.50	3485	0.00	0.00	0.486	0.472
100YR_008H	SMF-2	BASE	45.26	111.00	114.50	3485	0.00	0.00	0.486	0.472
100YR_008H	SMF-2	BASE	46.26	111.00	114.50	3485	0.00	0.00	0.486	0.472
100YR_008H	SMF-2	BASE	47.26	111.00	114.50	3485	0.00	0.00	0.486	0.472
100YR_008H	SMF-2	BASE	48.26	111.00	114.50	3485	0.00	0.00	0.486	0.472
100YR_008H	SMF-2	BASE	49.26	111.00	114.50	3485	0.00	0.00	0.486	0.472
100YR_008H	SMF-2	BASE	50.26	111.00	114.50	3485	0.00	0.00	0.486	0.472
100YR_008H	SMF-2	BASE	51.26	111.00	114.50	3485	0.00	0.00	0.486	0.472
100YR_008H	SMF-2	BASE	52.26	111.00	114.50	3485	0.00	0.00	0.486	0.472
100YR_008H	SMF-2	BASE	53.26	111.00	114.50	3485	0.00	0.00	0.486	0.472
100YR_008H	SMF-2	BASE	54.26	111.00	114.50	3485	0.00	0.00	0.486	0.472
100YR_008H	SMF-2	BASE	55.26	111.00	114.50	3485	0.00	0.00	0.486	0.472
100YR_008H	SMF-2	BASE	56.26	111.00	114.50	3485	0.00	0.00	0.486	0.472
100YR_008H	SMF-2	BASE	57.26	111.00	114.50	3485	0.00	0.00	0.486	0.472
100YR_008H	SMF-2	BASE	58.26	111.00	114.50	3485	0.00	0.00	0.486	0.472
100YR_008H	SMF-2	BASE	59.26	111.00	114.50	3485	0.00	0.00	0.486	0.472
100YR_008H	SMF-2	BASE	60.26	111.00	114.50	3485	0.00	0.00	0.486	0.472

Project: 17-0373 Legacy Park - Phase 2
SMF-2 Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_024H	SMF-2	BASE	27.26	111.14	114.50	3667	0.00	0.05	0.857	0.842
100YR_024H	SMF-2	BASE	27.51	111.13	114.50	3652	0.00	0.04	0.857	0.843
100YR_024H	SMF-2	BASE	27.76	111.12	114.50	3638	0.00	0.04	0.857	0.844
100YR_024H	SMF-2	BASE	28.01	111.11	114.50	3626	0.00	0.04	0.857	0.845
100YR_024H	SMF-2	BASE	28.26	111.10	114.50	3615	0.00	0.03	0.857	0.845
100YR_024H	SMF-2	BASE	28.51	111.09	114.50	3605	0.00	0.03	0.857	0.846
100YR_024H	SMF-2	BASE	28.76	111.09	114.50	3597	0.00	0.03	0.857	0.847
100YR_024H	SMF-2	BASE	29.01	111.08	114.50	3588	0.00	0.02	0.857	0.847
100YR_024H	SMF-2	BASE	29.26	111.07	114.50	3581	0.00	0.02	0.857	0.848
100YR_024H	SMF-2	BASE	29.51	111.07	114.50	3574	0.00	0.02	0.857	0.848
100YR_024H	SMF-2	BASE	29.76	111.06	114.50	3568	0.00	0.02	0.857	0.848
100YR_024H	SMF-2	BASE	30.01	111.06	114.50	3562	0.00	0.02	0.857	0.849
100YR_024H	SMF-2	BASE	30.26	111.05	114.50	3556	0.00	0.02	0.857	0.849
100YR_024H	SMF-2	BASE	31.26	111.04	114.50	3537	0.00	0.01	0.857	0.850
100YR_024H	SMF-2	BASE	32.26	111.03	114.50	3520	0.00	0.01	0.857	0.851
100YR_024H	SMF-2	BASE	33.26	111.02	114.50	3506	0.00	0.01	0.857	0.852
100YR_024H	SMF-2	BASE	34.26	111.01	114.50	3492	0.00	0.01	0.857	0.853
100YR_024H	SMF-2	BASE	35.26	111.00	114.50	3485	0.00	0.00	0.857	0.854
100YR_024H	SMF-2	BASE	36.26	111.00	114.50	3485	0.00	0.00	0.857	0.854
100YR_024H	SMF-2	BASE	37.26	111.00	114.50	3485	0.00	0.00	0.857	0.854
100YR_024H	SMF-2	BASE	38.26	111.00	114.50	3485	0.00	0.00	0.857	0.854
100YR_024H	SMF-2	BASE	39.26	111.00	114.50	3485	0.00	0.00	0.857	0.854
100YR_024H	SMF-2	BASE	40.26	111.00	114.50	3485	0.00	0.00	0.857	0.854
100YR_024H	SMF-2	BASE	41.26	111.00	114.50	3485	0.00	0.00	0.857	0.854
100YR_024H	SMF-2	BASE	42.26	111.00	114.50	3485	0.00	0.00	0.857	0.854
100YR_024H	SMF-2	BASE	43.26	111.00	114.50	3485	0.00	0.00	0.857	0.854
100YR_024H	SMF-2	BASE	44.26	111.00	114.50	3485	0.00	0.00	0.857	0.854
100YR_024H	SMF-2	BASE	45.26	111.00	114.50	3485	0.00	0.00	0.857	0.854
100YR_024H	SMF-2	BASE	46.26	111.00	114.50	3485	0.00	0.00	0.857	0.854
100YR_024H	SMF-2	BASE	47.26	111.00	114.50	3485	0.00	0.00	0.857	0.854
100YR_024H	SMF-2	BASE	48.26	111.00	114.50	3485	0.00	0.00	0.857	0.854
100YR_024H	SMF-2	BASE	49.26	111.00	114.50	3485	0.00	0.00	0.857	0.854
100YR_024H	SMF-2	BASE	50.26	111.00	114.50	3485	0.00	0.00	0.857	0.854
100YR_024H	SMF-2	BASE	51.26	111.00	114.50	3485	0.00	0.00	0.857	0.854
100YR_024H	SMF-2	BASE	52.26	111.00	114.50	3485	0.00	0.00	0.857	0.854
100YR_024H	SMF-2	BASE	53.26	111.00	114.50	3485	0.00	0.00	0.857	0.854
100YR_024H	SMF-2	BASE	54.26	111.00	114.50	3485	0.00	0.00	0.857	0.854
100YR_024H	SMF-2	BASE	55.26	111.00	114.50	3485	0.00	0.00	0.857	0.854
100YR_024H	SMF-2	BASE	56.26	111.00	114.50	3485	0.00	0.00	0.857	0.854
100YR_024H	SMF-2	BASE	57.26	111.00	114.50	3485	0.00	0.00	0.857	0.854
100YR_024H	SMF-2	BASE	58.26	111.00	114.50	3485	0.00	0.00	0.857	0.854
100YR_024H	SMF-2	BASE	59.26	111.00	114.50	3485	0.00	0.00	0.857	0.854
100YR_024H	SMF-2	BASE	60.26	111.00	114.50	3485	0.00	0.00	0.857	0.854
100YR_024H	SMF-2	BASE	61.26	111.00	114.50	3485	0.00	0.00	0.857	0.854
100YR_024H	SMF-2	BASE	62.26	111.00	114.50	3485	0.00	0.00	0.857	0.854
100YR_024H	SMF-2	BASE	63.26	111.00	114.50	3485	0.00	0.00	0.857	0.854
100YR_024H	SMF-2	BASE	64.26	111.00	114.50	3485	0.00	0.00	0.857	0.854
100YR_024H	SMF-2	BASE	65.26	111.00	114.50	3485	0.00	0.00	0.857	0.854
100YR_024H	SMF-2	BASE	66.26	111.00	114.50	3485	0.00	0.00	0.857	0.854
100YR_024H	SMF-2	BASE	67.26	111.00	114.50	3485	0.00	0.00	0.857	0.854
100YR_024H	SMF-2	BASE	68.26	111.00	114.50	3485	0.00	0.00	0.857	0.854
100YR_024H	SMF-2	BASE	69.26	111.00	114.50	3485	0.00	0.00	0.857	0.854

Project: 17-0373 Legacy Park - Phase 2
SMF-2 Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_072H	SMF-2	BASE	77.51	111.06	114.50	3565	0.00	0.01	1.237	1.230
100YR_072H	SMF-2	BASE	77.76	111.06	114.50	3562	0.00	0.01	1.237	1.230
100YR_072H	SMF-2	BASE	78.01	111.06	114.50	3559	0.00	0.01	1.237	1.230
100YR_072H	SMF-2	BASE	78.26	111.05	114.50	3556	0.00	0.01	1.237	1.230
100YR_072H	SMF-2	BASE	78.51	111.05	114.50	3554	0.00	0.01	1.237	1.230
100YR_072H	SMF-2	BASE	78.76	111.05	114.50	3551	0.00	0.01	1.237	1.230
100YR_072H	SMF-2	BASE	79.01	111.05	114.50	3549	0.00	0.01	1.237	1.231
100YR_072H	SMF-2	BASE	79.26	111.05	114.50	3547	0.00	0.01	1.237	1.231
100YR_072H	SMF-2	BASE	79.51	111.05	114.50	3545	0.00	0.01	1.237	1.231
100YR_072H	SMF-2	BASE	79.76	111.04	114.50	3543	0.00	0.01	1.237	1.231
100YR_072H	SMF-2	BASE	80.01	111.04	114.50	3541	0.00	0.01	1.237	1.231
100YR_072H	SMF-2	BASE	80.26	111.04	114.50	3539	0.00	0.01	1.237	1.231
100YR_072H	SMF-2	BASE	81.26	111.04	114.50	3533	0.00	0.00	1.237	1.232
100YR_072H	SMF-2	BASE	82.26	111.03	114.50	3528	0.00	0.00	1.237	1.232
100YR_072H	SMF-2	BASE	83.26	111.03	114.50	3523	0.00	0.00	1.237	1.232
100YR_072H	SMF-2	BASE	84.26	111.03	114.50	3519	0.00	0.00	1.237	1.232
100YR_072H	SMF-2	BASE	85.26	111.02	114.50	3515	0.00	0.00	1.237	1.233
100YR_072H	SMF-2	BASE	86.26	111.02	114.50	3512	0.00	0.00	1.237	1.233
100YR_072H	SMF-2	BASE	87.26	111.02	114.50	3509	0.00	0.00	1.237	1.233
100YR_072H	SMF-2	BASE	88.26	111.02	114.50	3506	0.00	0.00	1.237	1.233
100YR_072H	SMF-2	BASE	89.26	111.01	114.50	3504	0.00	0.00	1.237	1.233
100YR_072H	SMF-2	BASE	90.26	111.01	114.50	3502	0.00	0.00	1.237	1.233
100YR_072H	SMF-2	BASE	91.26	111.01	114.50	3499	0.00	0.00	1.237	1.234
100YR_072H	SMF-2	BASE	92.26	111.01	114.50	3497	0.00	0.00	1.237	1.234
100YR_072H	SMF-2	BASE	93.26	111.01	114.50	3495	0.00	0.00	1.237	1.234
100YR_072H	SMF-2	BASE	94.26	111.01	114.50	3493	0.00	0.00	1.237	1.234
100YR_072H	SMF-2	BASE	95.26	111.00	114.50	3491	0.00	0.00	1.237	1.234
100YR_072H	SMF-2	BASE	96.26	111.00	114.50	3489	0.00	0.00	1.237	1.234
100YR_072H	SMF-2	BASE	97.26	111.00	114.50	3487	0.00	0.00	1.237	1.234
100YR_072H	SMF-2	BASE	98.26	111.00	114.50	3485	0.00	0.00	1.237	1.234
100YR_072H	SMF-2	BASE	99.26	111.00	114.50	3485	0.00	0.00	1.237	1.234
100YR_072H	SMF-2	BASE	100.26	111.00	114.50	3485	0.00	0.00	1.237	1.234
100YR_072H	SMF-2	BASE	101.26	111.00	114.50	3485	0.00	0.00	1.237	1.234
100YR_072H	SMF-2	BASE	102.26	111.00	114.50	3485	0.00	0.00	1.237	1.234
100YR_072H	SMF-2	BASE	103.26	111.00	114.50	3485	0.00	0.00	1.237	1.234
100YR_072H	SMF-2	BASE	104.26	111.00	114.50	3485	0.00	0.00	1.237	1.234
100YR_072H	SMF-2	BASE	105.26	111.00	114.50	3485	0.00	0.00	1.237	1.234
100YR_072H	SMF-2	BASE	106.26	111.00	114.50	3485	0.00	0.00	1.237	1.234
100YR_072H	SMF-2	BASE	107.26	111.00	114.50	3485	0.00	0.00	1.237	1.234
100YR_072H	SMF-2	BASE	108.26	111.00	114.50	3485	0.00	0.00	1.237	1.234
100YR_072H	SMF-2	BASE	109.26	111.00	114.50	3485	0.00	0.00	1.237	1.234
100YR_072H	SMF-2	BASE	110.26	111.00	114.50	3485	0.00	0.00	1.237	1.234
100YR_072H	SMF-2	BASE	111.26	111.00	114.50	3485	0.00	0.00	1.237	1.234
100YR_072H	SMF-2	BASE	112.26	111.00	114.50	3485	0.00	0.00	1.237	1.234
100YR_072H	SMF-2	BASE	113.26	111.00	114.50	3485	0.00	0.00	1.237	1.234
100YR_072H	SMF-2	BASE	114.26	111.00	114.50	3485	0.00	0.00	1.237	1.234
100YR_072H	SMF-2	BASE	115.26	111.00	114.50	3485	0.00	0.00	1.237	1.234
100YR_072H	SMF-2	BASE	116.26	111.00	114.50	3485	0.00	0.00	1.237	1.234
100YR_072H	SMF-2	BASE	117.26	111.00	114.50	3485	0.00	0.00	1.237	1.234
100YR_072H	SMF-2	BASE	118.26	111.00	114.50	3485	0.00	0.00	1.237	1.234
100YR_072H	SMF-2	BASE	119.26	111.00	114.50	3485	0.00	0.00	1.237	1.234
100YR_072H	SMF-2	BASE	120.26	111.00	114.50	3485	0.00	0.00	1.237	1.234

Project: 17-0373 Legacy Park - Phase 2
SMF-2 Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_168H	SMF-2	BASE	167.76	111.31	114.50	3886	0.16	0.17	1.550	1.523
100YR_168H	SMF-2	BASE	168.01	111.30	114.50	3882	0.15	0.17	1.554	1.527
100YR_168H	SMF-2	BASE	168.26	111.28	114.50	3847	0.00	0.14	1.555	1.530
100YR_168H	SMF-2	BASE	168.51	111.25	114.50	3807	0.00	0.12	1.555	1.533
100YR_168H	SMF-2	BASE	168.76	111.22	114.50	3773	0.00	0.10	1.555	1.535
100YR_168H	SMF-2	BASE	169.01	111.20	114.50	3746	0.00	0.08	1.555	1.537
100YR_168H	SMF-2	BASE	169.26	111.18	114.50	3722	0.00	0.07	1.555	1.538
100YR_168H	SMF-2	BASE	169.51	111.17	114.50	3702	0.00	0.06	1.555	1.540
100YR_168H	SMF-2	BASE	169.76	111.15	114.50	3685	0.00	0.05	1.555	1.541
100YR_168H	SMF-2	BASE	170.01	111.14	114.50	3671	0.00	0.04	1.555	1.542
100YR_168H	SMF-2	BASE	170.26	111.13	114.50	3658	0.00	0.04	1.555	1.543
100YR_168H	SMF-2	BASE	170.51	111.12	114.50	3647	0.00	0.03	1.555	1.543
100YR_168H	SMF-2	BASE	170.76	111.12	114.50	3637	0.00	0.03	1.555	1.544
100YR_168H	SMF-2	BASE	171.01	111.11	114.50	3628	0.00	0.03	1.555	1.545
100YR_168H	SMF-2	BASE	171.26	111.10	114.50	3620	0.00	0.02	1.555	1.545
100YR_168H	SMF-2	BASE	171.51	111.10	114.50	3613	0.00	0.02	1.555	1.546
100YR_168H	SMF-2	BASE	171.76	111.09	114.50	3606	0.00	0.02	1.555	1.546
100YR_168H	SMF-2	BASE	172.01	111.09	114.50	3600	0.00	0.02	1.555	1.546
100YR_168H	SMF-2	BASE	172.26	111.08	114.50	3595	0.00	0.02	1.555	1.547
100YR_168H	SMF-2	BASE	173.26	111.07	114.50	3578	0.00	0.01	1.555	1.548
100YR_168H	SMF-2	BASE	174.26	111.06	114.50	3565	0.00	0.01	1.555	1.549
100YR_168H	SMF-2	BASE	175.26	111.05	114.50	3556	0.00	0.01	1.555	1.549
100YR_168H	SMF-2	BASE	176.26	111.05	114.50	3548	0.00	0.01	1.555	1.550
100YR_168H	SMF-2	BASE	177.26	111.04	114.50	3542	0.00	0.00	1.555	1.550
100YR_168H	SMF-2	BASE	178.26	111.04	114.50	3537	0.00	0.00	1.555	1.550
100YR_168H	SMF-2	BASE	179.26	111.04	114.50	3532	0.00	0.00	1.555	1.551
100YR_168H	SMF-2	BASE	180.26	111.03	114.50	3529	0.00	0.00	1.555	1.551
100YR_168H	SMF-2	BASE	181.26	111.03	114.50	3525	0.00	0.00	1.555	1.551
100YR_168H	SMF-2	BASE	182.26	111.03	114.50	3523	0.00	0.00	1.555	1.551
100YR_168H	SMF-2	BASE	183.26	111.03	114.50	3520	0.00	0.00	1.555	1.551
100YR_168H	SMF-2	BASE	184.26	111.03	114.50	3518	0.00	0.00	1.555	1.552
100YR_168H	SMF-2	BASE	185.26	111.02	114.50	3516	0.00	0.00	1.555	1.552
100YR_168H	SMF-2	BASE	186.26	111.02	114.50	3514	0.00	0.00	1.555	1.552
100YR_168H	SMF-2	BASE	187.26	111.02	114.50	3512	0.00	0.00	1.555	1.552
100YR_168H	SMF-2	BASE	188.26	111.02	114.50	3510	0.00	0.00	1.555	1.552
100YR_168H	SMF-2	BASE	189.26	111.02	114.50	3509	0.00	0.00	1.555	1.552
100YR_168H	SMF-2	BASE	190.26	111.02	114.50	3508	0.00	0.00	1.555	1.552
100YR_168H	SMF-2	BASE	191.26	111.02	114.50	3506	0.00	0.00	1.555	1.552
100YR_168H	SMF-2	BASE	192.26	111.02	114.50	3505	0.00	0.00	1.555	1.552
100YR_168H	SMF-2	BASE	193.26	111.01	114.50	3504	0.00	0.00	1.555	1.552
100YR_168H	SMF-2	BASE	194.26	111.01	114.50	3503	0.00	0.00	1.555	1.552
100YR_168H	SMF-2	BASE	195.26	111.01	114.50	3502	0.00	0.00	1.555	1.553
100YR_168H	SMF-2	BASE	196.26	111.01	114.50	3500	0.00	0.00	1.555	1.553
100YR_168H	SMF-2	BASE	197.26	111.01	114.50	3499	0.00	0.00	1.555	1.553
100YR_168H	SMF-2	BASE	198.26	111.01	114.50	3498	0.00	0.00	1.555	1.553
100YR_168H	SMF-2	BASE	199.26	111.01	114.50	3497	0.00	0.00	1.555	1.553
100YR_168H	SMF-2	BASE	200.26	111.01	114.50	3496	0.00	0.00	1.555	1.553
100YR_168H	SMF-2	BASE	201.26	111.01	114.50	3495	0.00	0.00	1.555	1.553
100YR_168H	SMF-2	BASE	202.26	111.01	114.50	3494	0.00	0.00	1.555	1.553
100YR_168H	SMF-2	BASE	203.26	111.01	114.50	3493	0.00	0.00	1.555	1.553
100YR_168H	SMF-2	BASE	204.26	111.01	114.50	3492	0.00	0.00	1.555	1.553
100YR_168H	SMF-2	BASE	205.26	111.00	114.50	3491	0.00	0.00	1.555	1.553

Project: 17-0373 Legacy Park - Phase 2
SMF-2 Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_240H	SMF-2	BASE	257.26	111.02	114.50	3513	0.00	0.00	1.853	1.850
100YR_240H	SMF-2	BASE	258.26	111.02	114.50	3511	0.00	0.00	1.853	1.850
100YR_240H	SMF-2	BASE	259.26	111.02	114.50	3510	0.00	0.00	1.853	1.851
100YR_240H	SMF-2	BASE	260.26	111.02	114.50	3508	0.00	0.00	1.853	1.851
100YR_240H	SMF-2	BASE	261.26	111.02	114.50	3507	0.00	0.00	1.853	1.851
100YR_240H	SMF-2	BASE	262.26	111.02	114.50	3506	0.00	0.00	1.853	1.851
100YR_240H	SMF-2	BASE	263.26	111.02	114.50	3504	0.00	0.00	1.853	1.851
100YR_240H	SMF-2	BASE	264.26	111.01	114.50	3503	0.00	0.00	1.853	1.851
100YR_240H	SMF-2	BASE	265.26	111.01	114.50	3502	0.00	0.00	1.853	1.851
100YR_240H	SMF-2	BASE	266.26	111.01	114.50	3501	0.00	0.00	1.853	1.851
100YR_240H	SMF-2	BASE	267.26	111.01	114.50	3500	0.00	0.00	1.853	1.851
100YR_240H	SMF-2	BASE	268.26	111.01	114.50	3500	0.00	0.00	1.853	1.851
100YR_240H	SMF-2	BASE	269.26	111.01	114.50	3499	0.00	0.00	1.853	1.851
100YR_240H	SMF-2	BASE	270.26	111.01	114.50	3498	0.00	0.00	1.853	1.851
100YR_240H	SMF-2	BASE	271.26	111.01	114.50	3497	0.00	0.00	1.853	1.851
100YR_240H	SMF-2	BASE	272.26	111.01	114.50	3496	0.00	0.00	1.853	1.851
100YR_240H	SMF-2	BASE	273.26	111.01	114.50	3495	0.00	0.00	1.853	1.851
100YR_240H	SMF-2	BASE	274.26	111.01	114.50	3494	0.00	0.00	1.853	1.851
100YR_240H	SMF-2	BASE	275.26	111.01	114.50	3493	0.00	0.00	1.853	1.852
100YR_240H	SMF-2	BASE	276.26	111.01	114.50	3492	0.00	0.00	1.853	1.852
100YR_240H	SMF-2	BASE	277.26	111.01	114.50	3491	0.00	0.00	1.853	1.852
100YR_240H	SMF-2	BASE	278.26	111.00	114.50	3491	0.00	0.00	1.853	1.852
100YR_240H	SMF-2	BASE	279.26	111.00	114.50	3490	0.00	0.00	1.853	1.852
100YR_240H	SMF-2	BASE	280.26	111.00	114.50	3489	0.00	0.00	1.853	1.852
100YR_240H	SMF-2	BASE	281.26	111.00	114.50	3488	0.00	0.00	1.853	1.852
100YR_240H	SMF-2	BASE	282.26	111.00	114.50	3487	0.00	0.00	1.853	1.852
100YR_240H	SMF-2	BASE	283.26	111.00	114.50	3486	0.00	0.00	1.853	1.852
100YR_240H	SMF-2	BASE	284.26	111.00	114.50	3485	0.00	0.00	1.853	1.852
100YR_240H	SMF-2	BASE	285.26	111.00	114.50	3485	0.00	0.00	1.853	1.852
100YR_240H	SMF-2	BASE	286.26	111.00	114.50	3485	0.00	0.00	1.853	1.852
100YR_240H	SMF-2	BASE	287.26	111.00	114.50	3485	0.00	0.00	1.853	1.852
100YR_240H	SMF-2	BASE	288.26	111.00	114.50	3485	0.00	0.00	1.853	1.852
100YR_240H	SMF-2	BASE	289.26	111.00	114.50	3485	0.00	0.00	1.853	1.852
100YR_240H	SMF-2	BASE	290.26	111.00	114.50	3485	0.00	0.00	1.853	1.852
100YR_240H	SMF-2	BASE	291.26	111.00	114.50	3485	0.00	0.00	1.853	1.852
100YR_240H	SMF-2	BASE	292.26	111.00	114.50	3485	0.00	0.00	1.853	1.852
100YR_240H	SMF-2	BASE	293.26	111.00	114.50	3485	0.00	0.00	1.853	1.852
100YR_240H	SMF-2	BASE	294.26	111.00	114.50	3485	0.00	0.00	1.853	1.852
100YR_240H	SMF-2	BASE	295.26	111.00	114.50	3485	0.00	0.00	1.853	1.852
100YR_240H	SMF-2	BASE	296.26	111.00	114.50	3485	0.00	0.00	1.853	1.852
100YR_240H	SMF-2	BASE	297.26	111.00	114.50	3485	0.00	0.00	1.853	1.852
100YR_240H	SMF-2	BASE	298.26	111.00	114.50	3485	0.00	0.00	1.853	1.852
100YR_240H	SMF-2	BASE	299.26	111.00	114.50	3485	0.00	0.00	1.853	1.852
100YR_240H	SMF-2	BASE	300.26	111.00	114.50	3485	0.00	0.00	1.853	1.852
100YR_240H	SMF-2	BASE	301.26	111.00	114.50	3485	0.00	0.00	1.853	1.852
100YR_240H	SMF-2	BASE	302.26	111.00	114.50	3485	0.00	0.00	1.853	1.852
100YR_240H	SMF-2	BASE	303.26	111.00	114.50	3485	0.00	0.00	1.853	1.852
100YR_240H	SMF-2	BASE	304.26	111.00	114.50	3485	0.00	0.00	1.853	1.852
100YR_240H	SMF-2	BASE	305.26	111.00	114.50	3485	0.00	0.00	1.853	1.852
100YR_240H	SMF-2	BASE	306.26	111.00	114.50	3485	0.00	0.00	1.853	1.852
100YR_240H	SMF-2	BASE	307.26	111.00	114.50	3485	0.00	0.00	1.853	1.852
100YR_240H	SMF-2	BASE	308.26	111.00	114.50	3485	0.00	0.00	1.853	1.852

Project: 17-0373 Legacy Park - Phase 2
SMF-3 Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af	
100YR_001H	SMF-3	BASE	21.84	88.01	91.50	34156	0.00	0.08	1.083	1.080	
100YR_001H	SMF-3	BASE	22.09	88.01	91.50	34141	0.00	0.08	1.083	1.082	
100YR_001H	SMF-3	BASE	22.34	88.01	91.50	34126	0.00	0.08	1.083	1.084	
100YR_001H	SMF-3	BASE	22.59	88.01	91.50	34112	0.00	0.08	1.083	1.085	
100YR_001H	SMF-3	BASE	22.84	88.00	91.50	34097	0.00	0.08	1.083	1.087	
100YR_001H	SMF-3	BASE	23.09	88.00	91.50	34083	0.00	0.08	1.083	1.089	
100YR_001H	SMF-3	BASE	23.34	88.00	91.50	34068	0.00	0.08	1.083	1.090	
100YR_001H	SMF-3	BASE	23.59	88.00	91.50	34064	0.00	0.00	1.083	1.091	
100YR_001H	SMF-3	BASE	23.84	88.00	91.50	34064	0.00	0.00	1.083	1.091	
100YR_001H	SMF-3	BASE	24.09	88.00	91.50	34064	0.00	0.00	1.083	1.091	
100YR_001H	SMF-3	BASE	25.09	88.00	91.50	34064	0.00	0.00	1.083	1.091	
100YR_001H	SMF-3	BASE	26.09	88.00	91.50	34064	0.00	0.00	1.083	1.091	
100YR_001H	SMF-3	BASE	27.09	88.00	91.50	34064	0.00	0.00	1.083	1.091	
100YR_001H	SMF-3	BASE	28.09	88.00	91.50	34064	0.00	0.00	1.083	1.091	
100YR_001H	SMF-3	BASE	29.09	88.00	91.50	34064	0.00	0.00	1.083	1.091	
100YR_001H	SMF-3	BASE	30.09	88.00	91.50	34064	0.00	0.00	1.083	1.091	
100YR_001H	SMF-3	BASE	31.09	88.00	91.50	34064	0.00	0.00	1.083	1.091	
100YR_001H	SMF-3	BASE	32.09	88.00	91.50	34064	0.00	0.00	1.083	1.091	
100YR_001H	SMF-3	BASE	33.09	88.00	91.50	34064	0.00	0.00	1.083	1.091	
100YR_001H	SMF-3	BASE	34.09	88.00	91.50	34064	0.00	0.00	1.083	1.091	
100YR_001H	SMF-3	BASE	35.09	88.00	91.50	34064	0.00	0.00	1.083	1.091	
100YR_001H	SMF-3	BASE	36.09	88.00	91.50	34064	0.00	0.00	1.083	1.091	
100YR_001H	SMF-3	BASE	37.09	88.00	91.50	34064	0.00	0.00	1.083	1.091	
100YR_001H	SMF-3	BASE	38.09	88.00	91.50	34064	0.00	0.00	1.083	1.091	
100YR_001H	SMF-3	BASE	39.09	88.00	91.50	34064	0.00	0.00	1.083	1.091	
100YR_001H	SMF-3	BASE	40.09	88.00	91.50	34064	0.00	0.00	1.083	1.091	
100YR_001H	SMF-3	BASE	41.09	88.00	91.50	34064	0.00	0.00	1.083	1.091	
100YR_001H	SMF-3	BASE	42.09	88.00	91.50	34064	0.00	0.00	1.083	1.091	
100YR_001H	SMF-3	BASE	43.09	88.00	91.50	34064	0.00	0.00	1.083	1.091	
100YR_001H	SMF-3	BASE	44.09	88.00	91.50	34064	0.00	0.00	1.083	1.091	
100YR_001H	SMF-3	BASE	45.09	88.00	91.50	34064	0.00	0.00	1.083	1.091	
100YR_001H	SMF-3	BASE	46.09	88.00	91.50	34064	0.00	0.00	1.083	1.091	
100YR_001H	SMF-3	BASE	47.09	88.00	91.50	34064	0.00	0.00	1.083	1.091	
100YR_001H	SMF-3	BASE	48.09	88.00	91.50	34064	0.00	0.00	1.083	1.091	
100YR_001H	SMF-3	BASE	49.09	88.00	91.50	34064	0.00	0.00	1.083	1.091	
100YR_001H	SMF-3	BASE	50.09	88.00	91.50	34064	0.00	0.00	1.083	1.091	
100YR_001H	SMF-3	BASE	51.09	88.00	91.50	34064	0.00	0.00	1.083	1.091	
100YR_001H	SMF-3	BASE	52.09	88.00	91.50	34064	0.00	0.00	1.083	1.091	
100YR_001H	SMF-3	BASE	53.09	88.00	91.50	34064	0.00	0.00	1.083	1.091	
100YR_001H	SMF-3	BASE	54.09	88.00	91.50	34064	0.00	0.00	1.083	1.091	
100YR_001H	SMF-3	BASE	55.09	88.00	91.50	34064	0.00	0.00	1.083	1.091	
100YR_001H	SMF-3	BASE	56.09	88.00	91.50	34064	0.00	0.00	1.083	1.091	
100YR_001H	SMF-3	BASE	57.09	88.00	91.50	34064	0.00	0.00	1.083	1.091	
100YR_001H	SMF-3	BASE	58.09	88.00	91.50	34064	0.00	0.00	1.083	1.091	
100YR_001H	SMF-3	BASE	59.09	88.00	91.50	34064	0.00	0.00	1.083	1.091	
100YR_001H	SMF-3	BASE	60.09	88.00	91.50	34064	0.00	0.00	1.083	1.091	
100YR_001H	SMF-3	BASE	61.09	88.00	91.50	34064	0.00	0.00	1.083	1.091	
100YR_001H	SMF-3	BASE	62.09	88.00	91.50	34064	0.00	0.00	1.083	1.091	
100YR_001H	SMF-3	BASE	63.09	88.00	91.50	34064	0.00	0.00	1.083	1.091	
100YR_001H	SMF-3	BASE	64.09	88.00	91.50	34064	0.00	0.00	1.083	1.091	
100YR_001H	SMF-3	BASE	65.09	88.00	91.50	34064	0.00	0.00	1.083	1.091	
100YR_001H	SMF-3	BASE	66.09	88.00	91.50	34064	0.00	0.00	1.083	1.091	

 Full Recovery
 Half Recovery

Project: 17-0373 Legacy Park - Phase 2
SMF-3 Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_002H	SMF-3	BASE	101.26	88.14	91.50	34681	0.00	0.04	1.759	1.641
100YR_002H	SMF-3	BASE	102.26	88.13	91.50	34667	0.00	0.04	1.759	1.644
100YR_002H	SMF-3	BASE	103.26	88.13	91.50	34652	0.00	0.04	1.759	1.647
100YR_002H	SMF-3	BASE	104.26	88.13	91.50	34638	0.00	0.04	1.759	1.650
100YR_002H	SMF-3	BASE	105.26	88.12	91.50	34624	0.00	0.04	1.759	1.653
100YR_002H	SMF-3	BASE	106.26	88.12	91.50	34609	0.00	0.04	1.759	1.656
100YR_002H	SMF-3	BASE	107.26	88.11	91.50	34595	0.00	0.04	1.759	1.659
100YR_002H	SMF-3	BASE	108.26	88.11	91.50	34581	0.00	0.03	1.759	1.662
100YR_002H	SMF-3	BASE	109.26	88.11	91.50	34567	0.00	0.03	1.759	1.665
100YR_002H	SMF-3	BASE	110.26	88.10	91.50	34553	0.00	0.03	1.759	1.668
100YR_002H	SMF-3	BASE	111.26	88.10	91.50	34539	0.00	0.03	1.759	1.670
100YR_002H	SMF-3	BASE	112.26	88.10	91.50	34524	0.00	0.03	1.759	1.673
100YR_002H	SMF-3	BASE	113.26	88.09	91.50	34510	0.00	0.03	1.759	1.676
100YR_002H	SMF-3	BASE	114.26	88.09	91.50	34496	0.00	0.03	1.759	1.679
100YR_002H	SMF-3	BASE	115.26	88.09	91.50	34482	0.00	0.03	1.759	1.682
100YR_002H	SMF-3	BASE	116.26	88.08	91.50	34468	0.00	0.03	1.759	1.684
100YR_002H	SMF-3	BASE	117.26	88.08	91.50	34454	0.00	0.03	1.759	1.687
100YR_002H	SMF-3	BASE	118.26	88.08	91.50	34440	0.00	0.03	1.759	1.690
100YR_002H	SMF-3	BASE	119.26	88.07	91.50	34426	0.00	0.03	1.759	1.693
100YR_002H	SMF-3	BASE	120.26	88.07	91.50	34411	0.00	0.03	1.759	1.695
100YR_002H	SMF-3	BASE	121.26	88.06	91.50	34397	0.00	0.03	1.759	1.698
100YR_002H	SMF-3	BASE	122.26	88.06	91.50	34384	0.00	0.03	1.759	1.701
100YR_002H	SMF-3	BASE	123.26	88.06	91.50	34369	0.00	0.03	1.759	1.703
100YR_002H	SMF-3	BASE	124.26	88.05	91.50	34355	0.00	0.03	1.759	1.706
100YR_002H	SMF-3	BASE	125.26	88.05	91.50	34341	0.00	0.03	1.759	1.709
100YR_002H	SMF-3	BASE	126.26	88.05	91.50	34326	0.00	0.03	1.759	1.711
100YR_002H	SMF-3	BASE	127.26	88.04	91.50	34312	0.00	0.03	1.759	1.714
100YR_002H	SMF-3	BASE	128.26	88.04	91.50	34298	0.00	0.03	1.759	1.716
100YR_002H	SMF-3	BASE	129.26	88.04	91.50	34283	0.00	0.03	1.759	1.719
100YR_002H	SMF-3	BASE	130.26	88.03	91.50	34268	0.00	0.03	1.759	1.722
100YR_002H	SMF-3	BASE	131.26	88.03	91.50	34253	0.00	0.03	1.759	1.724
100YR_002H	SMF-3	BASE	132.26	88.03	91.50	34238	0.00	0.03	1.759	1.727
100YR_002H	SMF-3	BASE	133.26	88.03	91.50	34223	0.00	0.03	1.759	1.729
100YR_002H	SMF-3	BASE	134.26	88.02	91.50	34208	0.00	0.03	1.759	1.732
100YR_002H	SMF-3	BASE	135.26	88.02	91.50	34191	0.00	0.03	1.759	1.734
100YR_002H	SMF-3	BASE	136.26	88.02	91.50	34169	0.00	0.03	1.759	1.737
100YR_002H	SMF-3	BASE	137.26	88.01	91.50	34148	0.00	0.03	1.759	1.739
100YR_002H	SMF-3	BASE	138.26	88.01	91.50	34127	0.00	0.03	1.759	1.742
100YR_002H	SMF-3	BASE	139.26	88.01	91.50	34106	0.00	0.03	1.759	1.744
100YR_002H	SMF-3	BASE	140.26	88.00	91.50	34084	0.00	0.03	1.759	1.747
100YR_002H	SMF-3	BASE	141.26	88.00	91.50	34064	0.00	0.00	1.759	1.748
100YR_002H	SMF-3	BASE	142.26	88.00	91.50	34064	0.00	0.00	1.759	1.748
100YR_002H	SMF-3	BASE	143.26	88.00	91.50	34064	0.00	0.00	1.759	1.748
100YR_002H	SMF-3	BASE	144.26	88.00	91.50	34064	0.00	0.00	1.759	1.748
100YR_002H	SMF-3	BASE	145.26	88.00	91.50	34064	0.00	0.00	1.759	1.748
100YR_002H	SMF-3	BASE	146.26	88.00	91.50	34064	0.00	0.00	1.759	1.748
100YR_002H	SMF-3	BASE	147.26	88.00	91.50	34064	0.00	0.00	1.759	1.748
100YR_002H	SMF-3	BASE	148.26	88.00	91.50	34064	0.00	0.00	1.759	1.748
100YR_002H	SMF-3	BASE	149.26	88.00	91.50	34064	0.00	0.00	1.759	1.748
100YR_002H	SMF-3	BASE	150.26	88.00	91.50	34064	0.00	0.00	1.759	1.748
100YR_002H	SMF-3	BASE	151.26	88.00	91.50	34064	0.00	0.00	1.759	1.748
100YR_002H	SMF-3	BASE	152.26	88.00	91.50	34064	0.00	0.00	1.759	1.748

Project: 17-0373 Legacy Park - Phase 2
SMF-3 Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_004H	SMF-3	BASE	228.25	88.08	91.50	34445	0.00	0.02	2.775	2.616
100YR_004H	SMF-3	BASE	232.25	88.07	91.50	34405	0.00	0.02	2.775	2.624
100YR_004H	SMF-3	BASE	236.25	88.06	91.50	34365	0.00	0.02	2.775	2.632
100YR_004H	SMF-3	BASE	240.25	88.05	91.50	34325	0.00	0.02	2.775	2.639
100YR_004H	SMF-3	BASE	244.25	88.04	91.50	34284	0.00	0.02	2.775	2.646
100YR_004H	SMF-3	BASE	248.25	88.03	91.50	34241	0.00	0.02	2.775	2.654
100YR_004H	SMF-3	BASE	252.25	88.02	91.50	34198	0.00	0.02	2.775	2.661
100YR_004H	SMF-3	BASE	256.25	88.01	91.50	34136	0.00	0.02	2.775	2.668
100YR_004H	SMF-3	BASE	260.25	88.00	91.50	34076	0.00	0.02	2.775	2.675
100YR_004H	SMF-3	BASE	264.25	88.00	91.50	34064	0.00	0.00	2.775	2.679
100YR_004H	SMF-3	BASE	268.25	88.00	91.50	34064	0.00	0.00	2.775	2.679
100YR_004H	SMF-3	BASE	272.25	88.00	91.50	34064	0.00	0.00	2.775	2.679
100YR_004H	SMF-3	BASE	276.25	88.00	91.50	34064	0.00	0.00	2.775	2.679
100YR_004H	SMF-3	BASE	280.25	88.00	91.50	34064	0.00	0.00	2.775	2.679
100YR_004H	SMF-3	BASE	284.25	88.00	91.50	34064	0.00	0.00	2.775	2.679
100YR_004H	SMF-3	BASE	288.25	88.00	91.50	34064	0.00	0.00	2.775	2.679
100YR_004H	SMF-3	BASE	292.25	88.00	91.50	34064	0.00	0.00	2.775	2.679
100YR_004H	SMF-3	BASE	296.25	88.00	91.50	34064	0.00	0.00	2.775	2.679
100YR_004H	SMF-3	BASE	300.25	88.00	91.50	34064	0.00	0.00	2.775	2.679
100YR_004H	SMF-3	BASE	304.25	88.00	91.50	34064	0.00	0.00	2.775	2.679
100YR_004H	SMF-3	BASE	308.25	88.00	91.50	34064	0.00	0.00	2.775	2.679
100YR_004H	SMF-3	BASE	312.25	88.00	91.50	34064	0.00	0.00	2.775	2.679
100YR_004H	SMF-3	BASE	316.25	88.00	91.50	34064	0.00	0.00	2.775	2.679
100YR_004H	SMF-3	BASE	320.25	88.00	91.50	34064	0.00	0.00	2.775	2.679
100YR_004H	SMF-3	BASE	324.25	88.00	91.50	34064	0.00	0.00	2.775	2.679
100YR_004H	SMF-3	BASE	328.25	88.00	91.50	34064	0.00	0.00	2.775	2.679
100YR_004H	SMF-3	BASE	332.25	88.00	91.50	34064	0.00	0.00	2.775	2.679
100YR_004H	SMF-3	BASE	336.25	88.00	91.50	34064	0.00	0.00	2.775	2.679
100YR_004H	SMF-3	BASE	340.25	88.00	91.50	34064	0.00	0.00	2.775	2.679
100YR_004H	SMF-3	BASE	344.25	88.00	91.50	34064	0.00	0.00	2.775	2.679
100YR_004H	SMF-3	BASE	348.25	88.00	91.50	34064	0.00	0.00	2.775	2.679
100YR_004H	SMF-3	BASE	352.25	88.00	91.50	34064	0.00	0.00	2.775	2.679
100YR_004H	SMF-3	BASE	356.25	88.00	91.50	34064	0.00	0.00	2.775	2.679
100YR_004H	SMF-3	BASE	360.25	88.00	91.50	34064	0.00	0.00	2.775	2.679
100YR_004H	SMF-3	BASE	364.25	88.00	91.50	34064	0.00	0.00	2.775	2.679
100YR_004H	SMF-3	BASE	368.25	88.00	91.50	34064	0.00	0.00	2.775	2.679
100YR_004H	SMF-3	BASE	372.25	88.00	91.50	34064	0.00	0.00	2.775	2.679
100YR_004H	SMF-3	BASE	376.25	88.00	91.50	34064	0.00	0.00	2.775	2.679
100YR_004H	SMF-3	BASE	380.25	88.00	91.50	34064	0.00	0.00	2.775	2.679
100YR_004H	SMF-3	BASE	384.25	88.00	91.50	34064	0.00	0.00	2.775	2.679
100YR_004H	SMF-3	BASE	388.25	88.00	91.50	34064	0.00	0.00	2.775	2.679
100YR_004H	SMF-3	BASE	392.25	88.00	91.50	34064	0.00	0.00	2.775	2.679
100YR_004H	SMF-3	BASE	396.25	88.00	91.50	34064	0.00	0.00	2.775	2.679
100YR_004H	SMF-3	BASE	400.25	88.00	91.50	34064	0.00	0.00	2.775	2.679
100YR_004H	SMF-3	BASE	404.25	88.00	91.50	34064	0.00	0.00	2.775	2.679
100YR_004H	SMF-3	BASE	408.25	88.00	91.50	34064	0.00	0.00	2.775	2.679
100YR_004H	SMF-3	BASE	412.25	88.00	91.50	34064	0.00	0.00	2.775	2.679
100YR_004H	SMF-3	BASE	416.25	88.00	91.50	34064	0.00	0.00	2.775	2.679
100YR_004H	SMF-3	BASE	420.25	88.00	91.50	34064	0.00	0.00	2.775	2.679
100YR_004H	SMF-3	BASE	424.25	88.00	91.50	34064	0.00	0.00	2.775	2.679
100YR_004H	SMF-3	BASE	428.25	88.00	91.50	34064	0.00	0.00	2.775	2.679
100YR_004H	SMF-3	BASE	432.25	88.00	91.50	34064	0.00	0.00	2.775	2.679

Project: 17-0373 Legacy Park - Phase 2
SMF-3 Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_008H	SMF-3	BASE	165.26	88.34	91.50	35429	0.00	0.03	3.806	3.453
100YR_008H	SMF-3	BASE	166.26	88.34	91.50	35418	0.00	0.03	3.806	3.455
100YR_008H	SMF-3	BASE	167.26	88.34	91.50	35408	0.00	0.03	3.806	3.458
100YR_008H	SMF-3	BASE	168.26	88.33	91.50	35397	0.00	0.03	3.806	3.460
100YR_008H	SMF-3	BASE	169.26	88.33	91.50	35386	0.00	0.03	3.806	3.462
100YR_008H	SMF-3	BASE	170.26	88.33	91.50	35376	0.00	0.03	3.806	3.465
100YR_008H	SMF-3	BASE	171.26	88.32	91.50	35365	0.00	0.03	3.806	3.467
100YR_008H	SMF-3	BASE	172.26	88.32	91.50	35355	0.00	0.03	3.806	3.470
100YR_008H	SMF-3	BASE	173.26	88.32	91.50	35344	0.00	0.03	3.806	3.472
100YR_008H	SMF-3	BASE	174.26	88.31	91.50	35334	0.00	0.03	3.806	3.475
100YR_008H	SMF-3	BASE	175.26	88.31	91.50	35323	0.00	0.03	3.806	3.477
100YR_008H	SMF-3	BASE	176.26	88.31	91.50	35313	0.00	0.03	3.806	3.479
100YR_008H	SMF-3	BASE	180.26	88.30	91.50	35271	0.00	0.03	3.806	3.489
100YR_008H	SMF-3	BASE	184.26	88.29	91.50	35230	0.00	0.03	3.806	3.498
100YR_008H	SMF-3	BASE	188.26	88.27	91.50	35189	0.00	0.03	3.806	3.507
100YR_008H	SMF-3	BASE	192.26	88.26	91.50	35149	0.00	0.03	3.806	3.516
100YR_008H	SMF-3	BASE	196.26	88.25	91.50	35109	0.00	0.03	3.806	3.525
100YR_008H	SMF-3	BASE	200.26	88.24	91.50	35070	0.00	0.03	3.806	3.534
100YR_008H	SMF-3	BASE	204.26	88.23	91.50	35031	0.00	0.03	3.806	3.542
100YR_008H	SMF-3	BASE	208.26	88.22	91.50	34992	0.00	0.03	3.806	3.551
100YR_008H	SMF-3	BASE	212.26	88.21	91.50	34954	0.00	0.03	3.806	3.559
100YR_008H	SMF-3	BASE	216.26	88.20	91.50	34916	0.00	0.02	3.806	3.568
100YR_008H	SMF-3	BASE	220.26	88.19	91.50	34878	0.00	0.02	3.806	3.576
100YR_008H	SMF-3	BASE	224.26	88.18	91.50	34840	0.00	0.02	3.806	3.584
100YR_008H	SMF-3	BASE	228.26	88.17	91.50	34803	0.00	0.02	3.806	3.592
100YR_008H	SMF-3	BASE	232.26	88.16	91.50	34766	0.00	0.02	3.806	3.600
100YR_008H	SMF-3	BASE	236.26	88.15	91.50	34729	0.00	0.02	3.806	3.608
100YR_008H	SMF-3	BASE	240.26	88.14	91.50	34693	0.00	0.02	3.806	3.615
100YR_008H	SMF-3	BASE	244.26	88.13	91.50	34656	0.00	0.02	3.806	3.623
100YR_008H	SMF-3	BASE	248.26	88.12	91.50	34620	0.00	0.02	3.806	3.630
100YR_008H	SMF-3	BASE	252.26	88.11	91.50	34583	0.00	0.02	3.806	3.638
100YR_008H	SMF-3	BASE	256.26	88.10	91.50	34547	0.00	0.02	3.806	3.645
100YR_008H	SMF-3	BASE	260.26	88.09	91.50	34511	0.00	0.02	3.806	3.652
100YR_008H	SMF-3	BASE	264.26	88.08	91.50	34475	0.00	0.02	3.806	3.659
100YR_008H	SMF-3	BASE	268.26	88.07	91.50	34439	0.00	0.02	3.806	3.666
100YR_008H	SMF-3	BASE	272.26	88.07	91.50	34403	0.00	0.02	3.806	3.673
100YR_008H	SMF-3	BASE	276.26	88.06	91.50	34366	0.00	0.02	3.806	3.680
100YR_008H	SMF-3	BASE	280.26	88.05	91.50	34329	0.00	0.02	3.806	3.687
100YR_008H	SMF-3	BASE	284.26	88.04	91.50	34292	0.00	0.02	3.806	3.694
100YR_008H	SMF-3	BASE	288.26	88.03	91.50	34253	0.00	0.02	3.806	3.700
100YR_008H	SMF-3	BASE	292.26	88.02	91.50	34214	0.00	0.02	3.806	3.707
100YR_008H	SMF-3	BASE	296.26	88.02	91.50	34165	0.00	0.02	3.806	3.713
100YR_008H	SMF-3	BASE	300.26	88.01	91.50	34110	0.00	0.02	3.806	3.720
100YR_008H	SMF-3	BASE	304.26	88.00	91.50	34064	0.00	0.00	3.806	3.723
100YR_008H	SMF-3	BASE	308.26	88.00	91.50	34064	0.00	0.00	3.806	3.723
100YR_008H	SMF-3	BASE	312.26	88.00	91.50	34064	0.00	0.00	3.806	3.723
100YR_008H	SMF-3	BASE	316.26	88.00	91.50	34064	0.00	0.00	3.806	3.723
100YR_008H	SMF-3	BASE	320.26	88.00	91.50	34064	0.00	0.00	3.806	3.723
100YR_008H	SMF-3	BASE	324.26	88.00	91.50	34064	0.00	0.00	3.806	3.723
100YR_008H	SMF-3	BASE	328.26	88.00	91.50	34064	0.00	0.00	3.806	3.723
100YR_008H	SMF-3	BASE	332.26	88.00	91.50	34064	0.00	0.00	3.806	3.723
100YR_008H	SMF-3	BASE	336.26	88.00	91.50	34064	0.00	0.00	3.806	3.723

Project: 17-0373 Legacy Park - Phase 2
SMF-3 Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_024H	SMF-3	BASE	14.26	90.23	91.50	41686	6.36	1.99	3.161	1.207
100YR_024H	SMF-3	BASE	14.50	90.33	91.50	42005	6.42	2.04	3.291	1.248
100YR_024H	SMF-3	BASE	14.75	90.42	91.50	42330	6.47	2.10	3.425	1.291
100YR_024H	SMF-3	BASE	15.01	90.51	91.50	42653	6.48	2.16	3.561	1.336
100YR_024H	SMF-3	BASE	15.26	90.59	91.50	42915	5.60	2.32	3.685	1.382
100YR_024H	SMF-3	BASE	15.50	90.66	91.50	43141	5.63	2.52	3.799	1.431
100YR_024H	SMF-3	BASE	15.76	90.72	91.50	43362	5.66	2.75	3.919	1.487
100YR_024H	SMF-3	BASE	16.00	90.78	91.50	43559	5.66	2.98	4.033	1.545
100YR_024H	SMF-3	BASE	16.26	90.82	91.50	43698	4.73	3.15	4.142	1.609
100YR_024H	SMF-3	BASE	16.51	90.85	91.50	43807	4.74	3.29	4.241	1.676
100YR_024H	SMF-3	BASE	16.76	90.88	91.50	43905	4.75	3.42	4.339	1.746
100YR_024H	SMF-3	BASE	17.01	90.90	91.50	43995	4.77	3.54	4.438	1.818
100YR_024H	SMF-3	BASE	17.26	90.93	91.50	44077	4.77	3.66	4.536	1.892
100YR_024H	SMF-3	BASE	17.51	90.95	91.50	44152	4.78	3.76	4.635	1.969
100YR_024H	SMF-3	BASE	17.76	90.97	91.50	44220	4.79	3.86	4.734	2.047
100YR_024H	SMF-3	BASE	18.01	90.99	91.50	44282	4.81	3.96	4.833	2.128
100YR_024H	SMF-3	BASE	18.26	91.00	91.50	44336	4.82	4.04	4.932	2.211
100YR_024H	SMF-3	BASE	18.51	91.02	91.50	44381	4.83	4.12	5.032	2.295
100YR_024H	SMF-3	BASE	18.76	91.03	91.50	44421	4.84	4.20	5.132	2.381
100YR_024H	SMF-3	BASE	19.01	91.05	91.50	44458	4.78	4.26	5.231	2.469
100YR_024H	SMF-3	BASE	19.26	91.04	91.50	44449	3.83	4.24	5.320	2.556
100YR_024H	SMF-3	BASE	19.51	91.04	91.50	44425	3.83	4.18	5.400	2.643
100YR_024H	SMF-3	BASE	19.76	91.03	91.50	44405	3.83	4.14	5.479	2.729
100YR_024H	SMF-3	BASE	20.01	91.02	91.50	44387	3.83	4.10	5.558	2.814
100YR_024H	SMF-3	BASE	20.26	91.02	91.50	44371	3.82	4.06	5.637	2.898
100YR_024H	SMF-3	BASE	20.51	91.01	91.50	44357	3.82	4.03	5.716	2.982
100YR_024H	SMF-3	BASE	20.76	91.01	91.50	44345	3.82	4.00	5.795	3.065
100YR_024H	SMF-3	BASE	21.01	91.01	91.50	44334	3.74	3.98	5.873	3.147
100YR_024H	SMF-3	BASE	21.26	90.99	91.50	44273	2.76	3.87	5.940	3.228
100YR_024H	SMF-3	BASE	21.51	90.97	91.50	44198	2.74	3.74	5.997	3.307
100YR_024H	SMF-3	BASE	21.76	90.95	91.50	44130	2.73	3.63	6.053	3.383
100YR_024H	SMF-3	BASE	22.01	90.93	91.50	44068	2.64	3.53	6.109	3.457
100YR_024H	SMF-3	BASE	22.26	90.90	91.50	43960	1.65	3.36	6.153	3.528
100YR_024H	SMF-3	BASE	22.51	90.86	91.50	43842	1.62	3.19	6.187	3.596
100YR_024H	SMF-3	BASE	22.76	90.83	91.50	43733	1.60	3.03	6.220	3.660
100YR_024H	SMF-3	BASE	23.01	90.81	91.50	43633	1.58	2.89	6.253	3.721
100YR_024H	SMF-3	BASE	23.26	90.78	91.50	43540	1.55	2.77	6.285	3.780
100YR_024H	SMF-3	BASE	23.51	90.75	91.50	43453	1.53	2.66	6.317	3.836
100YR_024H	SMF-3	BASE	23.76	90.73	91.50	43371	1.51	2.57	6.349	3.890
100YR_024H	SMF-3	BASE	24.01	90.71	91.50	43294	1.41	2.48	6.379	3.942
100YR_024H	SMF-3	BASE	24.25	90.68	91.50	43169	0.39	2.34	6.397	3.991
100YR_024H	SMF-3	BASE	24.51	90.64	91.50	43026	0.35	2.20	6.405	4.038
100YR_024H	SMF-3	BASE	24.76	90.60	91.50	42888	0.31	2.07	6.411	4.083
100YR_024H	SMF-3	BASE	25.00	90.56	91.50	42758	0.25	1.97	6.417	4.123
100YR_024H	SMF-3	BASE	25.25	90.53	91.50	42624	0.21	1.89	6.422	4.164
100YR_024H	SMF-3	BASE	25.51	90.49	91.50	42487	0.17	1.84	6.426	4.204
100YR_024H	SMF-3	BASE	25.76	90.45	91.50	42354	0.14	1.82	6.429	4.241
100YR_024H	SMF-3	BASE	26.01	90.42	91.50	42221	0.11	1.79	6.432	4.279
100YR_024H	SMF-3	BASE	26.26	90.38	91.50	42088	0.09	1.76	6.434	4.315
100YR_024H	SMF-3	BASE	26.51	90.35	91.50	41957	0.07	1.73	6.436	4.351
100YR_024H	SMF-3	BASE	26.76	90.31	91.50	41826	0.06	1.71	6.437	4.387
100YR_024H	SMF-3	BASE	27.01	90.28	91.50	41697	0.05	1.68	6.438	4.422

Project: 17-0373 Legacy Park - Phase 2
SMF-3 Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_024H	SMF-3	BASE	328.26	88.09	91.50	34515	0.00	0.02	6.445	6.341
100YR_024H	SMF-3	BASE	332.26	88.09	91.50	34484	0.00	0.02	6.445	6.347
100YR_024H	SMF-3	BASE	336.26	88.08	91.50	34453	0.00	0.02	6.445	6.353
100YR_024H	SMF-3	BASE	340.26	88.07	91.50	34422	0.00	0.02	6.445	6.359
100YR_024H	SMF-3	BASE	344.26	88.06	91.50	34391	0.00	0.02	6.445	6.365
100YR_024H	SMF-3	BASE	348.26	88.06	91.50	34359	0.00	0.02	6.445	6.371
100YR_024H	SMF-3	BASE	352.26	88.05	91.50	34327	0.00	0.02	6.445	6.376
100YR_024H	SMF-3	BASE	356.26	88.04	91.50	34296	0.00	0.02	6.445	6.382
100YR_024H	SMF-3	BASE	360.26	88.03	91.50	34262	0.00	0.02	6.445	6.388
100YR_024H	SMF-3	BASE	364.26	88.03	91.50	34229	0.00	0.02	6.445	6.394
100YR_024H	SMF-3	BASE	368.26	88.02	91.50	34194	0.00	0.02	6.445	6.399
100YR_024H	SMF-3	BASE	372.26	88.01	91.50	34146	0.00	0.02	6.445	6.405
100YR_024H	SMF-3	BASE	376.26	88.01	91.50	34099	0.00	0.02	6.445	6.410
100YR_024H	SMF-3	BASE	380.26	88.00	91.50	34064	0.00	0.00	6.445	6.413
100YR_024H	SMF-3	BASE	384.26	88.00	91.50	34064	0.00	0.00	6.445	6.413
100YR_024H	SMF-3	BASE	388.26	88.00	91.50	34064	0.00	0.00	6.445	6.413
100YR_024H	SMF-3	BASE	392.26	88.00	91.50	34064	0.00	0.00	6.445	6.413
100YR_024H	SMF-3	BASE	396.26	88.00	91.50	34064	0.00	0.00	6.445	6.413
100YR_024H	SMF-3	BASE	400.26	88.00	91.50	34064	0.00	0.00	6.445	6.413
100YR_024H	SMF-3	BASE	404.26	88.00	91.50	34064	0.00	0.00	6.445	6.413
100YR_024H	SMF-3	BASE	408.26	88.00	91.50	34064	0.00	0.00	6.445	6.413
100YR_024H	SMF-3	BASE	412.26	88.00	91.50	34064	0.00	0.00	6.445	6.413
100YR_024H	SMF-3	BASE	416.26	88.00	91.50	34064	0.00	0.00	6.445	6.413
100YR_024H	SMF-3	BASE	420.26	88.00	91.50	34064	0.00	0.00	6.445	6.413
100YR_024H	SMF-3	BASE	424.26	88.00	91.50	34064	0.00	0.00	6.445	6.413
100YR_024H	SMF-3	BASE	428.26	88.00	91.50	34064	0.00	0.00	6.445	6.413
100YR_024H	SMF-3	BASE	432.26	88.00	91.50	34064	0.00	0.00	6.445	6.413
100YR_024H	SMF-3	BASE	436.26	88.00	91.50	34064	0.00	0.00	6.445	6.413
100YR_024H	SMF-3	BASE	440.26	88.00	91.50	34064	0.00	0.00	6.445	6.413
100YR_024H	SMF-3	BASE	444.26	88.00	91.50	34064	0.00	0.00	6.445	6.413
100YR_024H	SMF-3	BASE	448.26	88.00	91.50	34064	0.00	0.00	6.445	6.413
100YR_024H	SMF-3	BASE	452.26	88.00	91.50	34064	0.00	0.00	6.445	6.413
100YR_024H	SMF-3	BASE	456.26	88.00	91.50	34064	0.00	0.00	6.445	6.413
100YR_024H	SMF-3	BASE	460.26	88.00	91.50	34064	0.00	0.00	6.445	6.413
100YR_024H	SMF-3	BASE	464.26	88.00	91.50	34064	0.00	0.00	6.445	6.413
100YR_024H	SMF-3	BASE	468.26	88.00	91.50	34064	0.00	0.00	6.445	6.413
100YR_024H	SMF-3	BASE	472.26	88.00	91.50	34064	0.00	0.00	6.445	6.413
100YR_024H	SMF-3	BASE	476.26	88.00	91.50	34064	0.00	0.00	6.445	6.413
100YR_024H	SMF-3	BASE	480.26	88.00	91.50	34064	0.00	0.00	6.445	6.413
100YR_024H	SMF-3	BASE	484.26	88.00	91.50	34064	0.00	0.00	6.445	6.413
100YR_024H	SMF-3	BASE	488.26	88.00	91.50	34064	0.00	0.00	6.445	6.413
100YR_024H	SMF-3	BASE	492.26	88.00	91.50	34064	0.00	0.00	6.445	6.413
100YR_024H	SMF-3	BASE	496.26	88.00	91.50	34064	0.00	0.00	6.445	6.413
100YR_024H	SMF-3	BASE	500.26	88.00	91.50	34064	0.00	0.00	6.445	6.413
100YR_024H	SMF-3	BASE	504.26	88.00	91.50	34064	0.00	0.00	6.445	6.413
100YR_024H	SMF-3	BASE	508.26	88.00	91.50	34064	0.00	0.00	6.445	6.413
100YR_024H	SMF-3	BASE	512.26	88.00	91.50	34064	0.00	0.00	6.445	6.413
100YR_024H	SMF-3	BASE	516.26	88.00	91.50	34064	0.00	0.00	6.445	6.413
100YR_024H	SMF-3	BASE	520.26	88.00	91.50	34064	0.00	0.00	6.445	6.413
100YR_024H	SMF-3	BASE	524.26	88.00	91.50	34064	0.00	0.00	6.445	6.413
100YR_024H	SMF-3	BASE	528.26	88.00	91.50	34064	0.00	0.00	6.445	6.413
100YR_024H	SMF-3	BASE	532.26	88.00	91.50	34064	0.00	0.00	6.445	6.413

Project: 17-0373 Legacy Park - Phase 2
SMF-3 Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_072H	SMF-3	BASE	64.51	91.05	91.50	44472	2.06	4.14	8.192	5.433
100YR_072H	SMF-3	BASE	64.76	91.01	91.50	44350	2.04	3.90	8.234	5.517
100YR_072H	SMF-3	BASE	65.01	90.97	91.50	44228	2.02	3.69	8.277	5.596
100YR_072H	SMF-3	BASE	65.25	90.94	91.50	44119	2.00	3.52	8.317	5.668
100YR_072H	SMF-3	BASE	65.51	90.91	91.50	44014	1.98	3.36	8.358	5.740
100YR_072H	SMF-3	BASE	65.76	90.89	91.50	43918	1.96	3.21	8.400	5.808
100YR_072H	SMF-3	BASE	66.01	90.86	91.50	43830	1.94	3.09	8.441	5.874
100YR_072H	SMF-3	BASE	66.25	90.84	91.50	43754	1.93	2.98	8.479	5.935
100YR_072H	SMF-3	BASE	66.51	90.82	91.50	43679	1.91	2.88	8.519	5.996
100YR_072H	SMF-3	BASE	66.76	90.80	91.50	43609	1.89	2.79	8.559	6.055
100YR_072H	SMF-3	BASE	67.01	90.78	91.50	43544	1.87	2.71	8.598	6.113
100YR_072H	SMF-3	BASE	67.26	90.76	91.50	43485	1.86	2.64	8.636	6.167
100YR_072H	SMF-3	BASE	67.51	90.75	91.50	43429	1.84	2.57	8.674	6.221
100YR_072H	SMF-3	BASE	67.76	90.73	91.50	43376	1.83	2.51	8.712	6.273
100YR_072H	SMF-3	BASE	68.01	90.72	91.50	43325	1.78	2.45	8.749	6.324
100YR_072H	SMF-3	BASE	68.26	90.70	91.50	43239	1.02	2.35	8.778	6.374
100YR_072H	SMF-3	BASE	68.51	90.67	91.50	43142	0.99	2.25	8.799	6.421
100YR_072H	SMF-3	BASE	68.76	90.64	91.50	43049	0.96	2.16	8.819	6.467
100YR_072H	SMF-3	BASE	69.01	90.62	91.50	42961	0.93	2.08	8.839	6.511
100YR_072H	SMF-3	BASE	69.26	90.60	91.50	42873	0.90	2.01	8.858	6.553
100YR_072H	SMF-3	BASE	69.51	90.57	91.50	42788	0.87	1.94	8.876	6.594
100YR_072H	SMF-3	BASE	69.76	90.55	91.50	42708	0.85	1.89	8.894	6.633
100YR_072H	SMF-3	BASE	70.01	90.53	91.50	42629	0.83	1.84	8.911	6.672
100YR_072H	SMF-3	BASE	70.26	90.51	91.50	42552	0.81	1.81	8.928	6.710
100YR_072H	SMF-3	BASE	70.51	90.49	91.50	42476	0.80	1.79	8.945	6.747
100YR_072H	SMF-3	BASE	70.76	90.47	91.50	42400	0.79	1.77	8.961	6.784
100YR_072H	SMF-3	BASE	71.01	90.44	91.50	42325	0.78	1.76	8.977	6.820
100YR_072H	SMF-3	BASE	71.26	90.42	91.50	42251	0.77	1.74	8.993	6.856
100YR_072H	SMF-3	BASE	71.51	90.40	91.50	42177	0.76	1.73	9.009	6.892
100YR_072H	SMF-3	BASE	71.76	90.38	91.50	42105	0.76	1.71	9.025	6.928
100YR_072H	SMF-3	BASE	72.01	90.36	91.50	42033	0.73	1.70	9.040	6.963
100YR_072H	SMF-3	BASE	72.26	90.33	91.50	41925	0.11	1.67	9.049	6.998
100YR_072H	SMF-3	BASE	72.51	90.30	91.50	41801	0.09	1.65	9.051	7.032
100YR_072H	SMF-3	BASE	72.76	90.27	91.50	41678	0.08	1.62	9.053	7.066
100YR_072H	SMF-3	BASE	73.01	90.23	91.50	41555	0.06	1.59	9.054	7.099
100YR_072H	SMF-3	BASE	73.26	90.20	91.50	41435	0.05	1.57	9.055	7.132
100YR_072H	SMF-3	BASE	73.51	90.17	91.50	41316	0.05	1.54	9.056	7.164
100YR_072H	SMF-3	BASE	73.76	90.13	91.50	41199	0.04	1.52	9.057	7.195
100YR_072H	SMF-3	BASE	74.01	90.10	91.50	41083	0.03	1.49	9.058	7.226
100YR_072H	SMF-3	BASE	74.26	90.07	91.50	40969	0.03	1.46	9.059	7.257
100YR_072H	SMF-3	BASE	74.51	90.04	91.50	40856	0.03	1.44	9.059	7.287
100YR_072H	SMF-3	BASE	74.76	90.01	91.50	40745	0.02	1.41	9.060	7.316
100YR_072H	SMF-3	BASE	75.01	89.98	91.50	40639	0.02	1.38	9.060	7.345
100YR_072H	SMF-3	BASE	75.26	89.95	91.50	40536	0.02	1.36	9.061	7.374
100YR_072H	SMF-3	BASE	75.51	89.92	91.50	40435	0.02	1.33	9.061	7.401
100YR_072H	SMF-3	BASE	75.76	89.89	91.50	40336	0.02	1.31	9.061	7.429
100YR_072H	SMF-3	BASE	76.01	89.86	91.50	40239	0.01	1.28	9.062	7.455
100YR_072H	SMF-3	BASE	76.26	89.83	91.50	40143	0.01	1.25	9.062	7.482
100YR_072H	SMF-3	BASE	76.51	89.81	91.50	40048	0.01	1.23	9.062	7.507
100YR_072H	SMF-3	BASE	76.76	89.78	91.50	39956	0.01	1.20	9.062	7.532
100YR_072H	SMF-3	BASE	77.01	89.75	91.50	39866	0.01	1.18	9.063	7.557
100YR_072H	SMF-3	BASE	77.26	89.73	91.50	39742	0.00	1.15	9.063	7.581

Project: 17-0373 Legacy Park - Phase 2
SMF-3 Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_072H	SMF-3	BASE	364.26	88.20	91.50	34932	0.00	0.02	9.065	8.891
100YR_072H	SMF-3	BASE	368.26	88.20	91.50	34904	0.00	0.02	9.065	8.897
100YR_072H	SMF-3	BASE	372.26	88.19	91.50	34876	0.00	0.02	9.065	8.904
100YR_072H	SMF-3	BASE	376.26	88.18	91.50	34849	0.00	0.02	9.065	8.909
100YR_072H	SMF-3	BASE	380.26	88.17	91.50	34821	0.00	0.02	9.065	8.915
100YR_072H	SMF-3	BASE	384.26	88.17	91.50	34793	0.00	0.02	9.065	8.921
100YR_072H	SMF-3	BASE	388.26	88.16	91.50	34766	0.00	0.02	9.065	8.927
100YR_072H	SMF-3	BASE	392.26	88.15	91.50	34739	0.00	0.02	9.065	8.933
100YR_072H	SMF-3	BASE	396.26	88.14	91.50	34712	0.00	0.02	9.065	8.939
100YR_072H	SMF-3	BASE	400.26	88.14	91.50	34684	0.00	0.02	9.065	8.944
100YR_072H	SMF-3	BASE	404.26	88.13	91.50	34657	0.00	0.02	9.065	8.950
100YR_072H	SMF-3	BASE	408.26	88.12	91.50	34631	0.00	0.02	9.065	8.955
100YR_072H	SMF-3	BASE	412.26	88.12	91.50	34604	0.00	0.02	9.065	8.961
100YR_072H	SMF-3	BASE	416.26	88.11	91.50	34577	0.00	0.02	9.065	8.966
100YR_072H	SMF-3	BASE	420.26	88.10	91.50	34550	0.00	0.02	9.065	8.972
100YR_072H	SMF-3	BASE	424.26	88.10	91.50	34523	0.00	0.02	9.065	8.977
100YR_072H	SMF-3	BASE	428.26	88.09	91.50	34496	0.00	0.02	9.065	8.982
100YR_072H	SMF-3	BASE	432.26	88.08	91.50	34470	0.00	0.02	9.065	8.988
100YR_072H	SMF-3	BASE	436.26	88.08	91.50	34443	0.00	0.02	9.065	8.993
100YR_072H	SMF-3	BASE	440.26	88.07	91.50	34416	0.00	0.02	9.065	8.998
100YR_072H	SMF-3	BASE	444.26	88.06	91.50	34389	0.00	0.02	9.065	9.003
100YR_072H	SMF-3	BASE	448.26	88.06	91.50	34362	0.00	0.02	9.065	9.008
100YR_072H	SMF-3	BASE	452.26	88.05	91.50	34334	0.00	0.02	9.065	9.013
100YR_072H	SMF-3	BASE	456.26	88.04	91.50	34307	0.00	0.02	9.065	9.018
100YR_072H	SMF-3	BASE	460.26	88.04	91.50	34278	0.00	0.02	9.065	9.023
100YR_072H	SMF-3	BASE	464.26	88.03	91.50	34249	0.00	0.01	9.065	9.028
100YR_072H	SMF-3	BASE	468.26	88.02	91.50	34220	0.00	0.01	9.065	9.033
100YR_072H	SMF-3	BASE	472.26	88.02	91.50	34188	0.00	0.01	9.065	9.038
100YR_072H	SMF-3	BASE	476.26	88.01	91.50	34147	0.00	0.01	9.065	9.043
100YR_072H	SMF-3	BASE	480.26	88.01	91.50	34105	0.00	0.01	9.065	9.048
100YR_072H	SMF-3	BASE	484.26	88.00	91.50	34064	0.00	0.01	9.065	9.053
100YR_072H	SMF-3	BASE	488.26	88.00	91.50	34064	0.00	0.00	9.065	9.055
100YR_072H	SMF-3	BASE	492.26	88.00	91.50	34064	0.00	0.00	9.065	9.055
100YR_072H	SMF-3	BASE	496.26	88.00	91.50	34064	0.00	0.00	9.065	9.055
100YR_072H	SMF-3	BASE	500.26	88.00	91.50	34064	0.00	0.00	9.065	9.055
100YR_072H	SMF-3	BASE	504.26	88.00	91.50	34064	0.00	0.00	9.065	9.055
100YR_072H	SMF-3	BASE	508.26	88.00	91.50	34064	0.00	0.00	9.065	9.055
100YR_072H	SMF-3	BASE	512.26	88.00	91.50	34064	0.00	0.00	9.065	9.055
100YR_072H	SMF-3	BASE	516.26	88.00	91.50	34064	0.00	0.00	9.065	9.055
100YR_072H	SMF-3	BASE	520.26	88.00	91.50	34064	0.00	0.00	9.065	9.055
100YR_072H	SMF-3	BASE	524.26	88.00	91.50	34064	0.00	0.00	9.065	9.055
100YR_072H	SMF-3	BASE	528.26	88.00	91.50	34064	0.00	0.00	9.065	9.055
100YR_072H	SMF-3	BASE	532.26	88.00	91.50	34064	0.00	0.00	9.065	9.055
100YR_072H	SMF-3	BASE	536.26	88.00	91.50	34064	0.00	0.00	9.065	9.055
100YR_072H	SMF-3	BASE	540.26	88.00	91.50	34064	0.00	0.00	9.065	9.055
100YR_072H	SMF-3	BASE	544.26	88.00	91.50	34064	0.00	0.00	9.065	9.055
100YR_072H	SMF-3	BASE	548.26	88.00	91.50	34064	0.00	0.00	9.065	9.055
100YR_072H	SMF-3	BASE	552.26	88.00	91.50	34064	0.00	0.00	9.065	9.055
100YR_072H	SMF-3	BASE	556.26	88.00	91.50	34064	0.00	0.00	9.065	9.055
100YR_072H	SMF-3	BASE	560.26	88.00	91.50	34064	0.00	0.00	9.065	9.055
100YR_072H	SMF-3	BASE	564.26	88.00	91.50	34064	0.00	0.00	9.065	9.055
100YR_072H	SMF-3	BASE	568.26	88.00	91.50	34064	0.00	0.00	9.065	9.055

Project: 17-0373 Legacy Park - Phase 2
SMF-3 Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_168H	SMF-3	BASE	167.76	90.43	91.50	42285	1.09	1.72	11.186	9.052
100YR_168H	SMF-3	BASE	168.01	90.42	91.50	42238	1.04	1.71	11.208	9.088
100YR_168H	SMF-3	BASE	168.26	90.39	91.50	42139	0.15	1.69	11.221	9.123
100YR_168H	SMF-3	BASE	168.51	90.36	91.50	42015	0.12	1.66	11.224	9.158
100YR_168H	SMF-3	BASE	168.76	90.32	91.50	41892	0.10	1.64	11.226	9.192
100YR_168H	SMF-3	BASE	169.01	90.29	91.50	41771	0.08	1.61	11.228	9.225
100YR_168H	SMF-3	BASE	169.26	90.26	91.50	41650	0.07	1.58	11.229	9.258
100YR_168H	SMF-3	BASE	169.51	90.23	91.50	41530	0.06	1.56	11.231	9.291
100YR_168H	SMF-3	BASE	169.76	90.19	91.50	41413	0.05	1.53	11.232	9.323
100YR_168H	SMF-3	BASE	170.01	90.16	91.50	41297	0.04	1.51	11.233	9.354
100YR_168H	SMF-3	BASE	170.26	90.13	91.50	41182	0.04	1.48	11.234	9.385
100YR_168H	SMF-3	BASE	170.51	90.10	91.50	41070	0.03	1.46	11.234	9.415
100YR_168H	SMF-3	BASE	170.76	90.07	91.50	40958	0.03	1.43	11.235	9.445
100YR_168H	SMF-3	BASE	171.01	90.04	91.50	40847	0.03	1.41	11.236	9.475
100YR_168H	SMF-3	BASE	171.26	90.01	91.50	40739	0.02	1.38	11.236	9.503
100YR_168H	SMF-3	BASE	171.51	89.98	91.50	40636	0.02	1.36	11.237	9.532
100YR_168H	SMF-3	BASE	171.76	89.95	91.50	40535	0.02	1.33	11.237	9.559
100YR_168H	SMF-3	BASE	172.01	89.92	91.50	40437	0.02	1.30	11.237	9.587
100YR_168H	SMF-3	BASE	172.26	89.89	91.50	40340	0.02	1.28	11.238	9.613
100YR_168H	SMF-3	BASE	173.26	89.78	91.50	39969	0.01	1.18	11.239	9.715
100YR_168H	SMF-3	BASE	174.26	89.68	91.50	39630	0.01	1.08	11.240	9.808
100YR_168H	SMF-3	BASE	175.26	89.59	91.50	39282	0.00	0.96	11.240	9.892
100YR_168H	SMF-3	BASE	176.26	89.51	91.50	39055	0.01	0.81	11.241	9.965
100YR_168H	SMF-3	BASE	177.26	89.44	91.50	38824	0.01	0.71	11.241	10.028
100YR_168H	SMF-3	BASE	178.26	89.38	91.50	38579	0.00	0.61	11.242	10.082
100YR_168H	SMF-3	BASE	179.26	89.32	91.50	38401	0.00	0.52	11.242	10.129
100YR_168H	SMF-3	BASE	180.26	89.28	91.50	38254	0.00	0.45	11.242	10.169
100YR_168H	SMF-3	BASE	181.26	89.24	91.50	38123	0.00	0.38	11.242	10.203
100YR_168H	SMF-3	BASE	182.26	89.21	91.50	38320	0.00	0.33	11.242	10.233
100YR_168H	SMF-3	BASE	183.26	89.18	91.50	38226	0.00	0.29	11.243	10.258
100YR_168H	SMF-3	BASE	184.26	89.15	91.50	38145	0.00	0.25	11.243	10.280
100YR_168H	SMF-3	BASE	185.26	89.13	91.50	38073	0.00	0.22	11.243	10.300
100YR_168H	SMF-3	BASE	186.26	89.11	91.50	38009	0.00	0.20	11.243	10.317
100YR_168H	SMF-3	BASE	187.26	89.09	91.50	37952	0.00	0.17	11.243	10.332
100YR_168H	SMF-3	BASE	188.26	89.08	91.50	37901	0.00	0.16	11.243	10.346
100YR_168H	SMF-3	BASE	189.26	89.06	91.50	37854	0.00	0.14	11.243	10.358
100YR_168H	SMF-3	BASE	190.26	89.05	91.50	37811	0.00	0.13	11.243	10.369
100YR_168H	SMF-3	BASE	191.26	89.04	91.50	37772	0.00	0.12	11.243	10.380
100YR_168H	SMF-3	BASE	192.26	89.03	91.50	37737	0.00	0.11	11.243	10.389
100YR_168H	SMF-3	BASE	193.26	89.02	91.50	37704	0.00	0.10	11.243	10.397
100YR_168H	SMF-3	BASE	194.26	89.01	91.50	37673	0.00	0.09	11.243	10.405
100YR_168H	SMF-3	BASE	195.26	89.00	91.50	37645	0.00	0.09	11.243	10.413
100YR_168H	SMF-3	BASE	196.26	88.99	91.50	37619	0.00	0.08	11.243	10.420
100YR_168H	SMF-3	BASE	197.26	88.99	91.50	37595	0.00	0.07	11.243	10.426
100YR_168H	SMF-3	BASE	198.26	88.98	91.50	37572	0.00	0.07	11.243	10.432
100YR_168H	SMF-3	BASE	199.26	88.97	91.50	37551	0.00	0.07	11.243	10.437
100YR_168H	SMF-3	BASE	200.26	88.97	91.50	37531	0.00	0.06	11.243	10.443
100YR_168H	SMF-3	BASE	201.26	88.96	91.50	37512	0.00	0.06	11.243	10.448
100YR_168H	SMF-3	BASE	202.26	88.95	91.50	37495	0.00	0.06	11.243	10.453
100YR_168H	SMF-3	BASE	203.26	88.95	91.50	37478	0.00	0.05	11.243	10.457
100YR_168H	SMF-3	BASE	204.26	88.94	91.50	37461	0.00	0.05	11.243	10.461
100YR_168H	SMF-3	BASE	205.26	88.94	91.50	37446	0.00	0.05	11.243	10.465

Project: 17-0373 Legacy Park - Phase 2
SMF-3 Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_168H	SMF-3	BASE	648.26	88.07	91.50	34434	0.00	0.01	11.243	11.181
100YR_168H	SMF-3	BASE	652.26	88.07	91.50	34414	0.00	0.01	11.243	11.185
100YR_168H	SMF-3	BASE	656.26	88.06	91.50	34393	0.00	0.01	11.243	11.189
100YR_168H	SMF-3	BASE	660.26	88.06	91.50	34372	0.00	0.01	11.243	11.193
100YR_168H	SMF-3	BASE	664.26	88.05	91.50	34350	0.00	0.01	11.243	11.197
100YR_168H	SMF-3	BASE	668.26	88.05	91.50	34329	0.00	0.01	11.243	11.201
100YR_168H	SMF-3	BASE	672.26	88.04	91.50	34307	0.00	0.01	11.243	11.205
100YR_168H	SMF-3	BASE	676.26	88.04	91.50	34286	0.00	0.01	11.243	11.209
100YR_168H	SMF-3	BASE	680.26	88.03	91.50	34263	0.00	0.01	11.243	11.213
100YR_168H	SMF-3	BASE	684.26	88.03	91.50	34240	0.00	0.01	11.243	11.216
100YR_168H	SMF-3	BASE	688.26	88.02	91.50	34217	0.00	0.01	11.243	11.220
100YR_168H	SMF-3	BASE	692.26	88.02	91.50	34193	0.00	0.01	11.243	11.224
100YR_168H	SMF-3	BASE	696.26	88.01	91.50	34161	0.00	0.01	11.243	11.228
100YR_168H	SMF-3	BASE	700.26	88.01	91.50	34129	0.00	0.01	11.243	11.232
100YR_168H	SMF-3	BASE	704.26	88.00	91.50	34097	0.00	0.01	11.243	11.235
100YR_168H	SMF-3	BASE	708.26	88.00	91.50	34065	0.00	0.01	11.243	11.239
100YR_168H	SMF-3	BASE	712.26	88.00	91.50	34064	0.00	0.00	11.243	11.241
100YR_168H	SMF-3	BASE	716.26	88.00	91.50	34064	0.00	0.00	11.243	11.241
100YR_168H	SMF-3	BASE	720.26	88.00	91.50	34064	0.00	0.00	11.243	11.241
100YR_168H	SMF-3	BASE	724.26	88.00	91.50	34064	0.00	0.00	11.243	11.241
100YR_168H	SMF-3	BASE	728.26	88.00	91.50	34064	0.00	0.00	11.243	11.241
100YR_168H	SMF-3	BASE	732.26	88.00	91.50	34064	0.00	0.00	11.243	11.241
100YR_168H	SMF-3	BASE	736.26	88.00	91.50	34064	0.00	0.00	11.243	11.241
100YR_168H	SMF-3	BASE	740.26	88.00	91.50	34064	0.00	0.00	11.243	11.241
100YR_168H	SMF-3	BASE	744.26	88.00	91.50	34064	0.00	0.00	11.243	11.241
100YR_168H	SMF-3	BASE	748.26	88.00	91.50	34064	0.00	0.00	11.243	11.241
100YR_168H	SMF-3	BASE	752.26	88.00	91.50	34064	0.00	0.00	11.243	11.241
100YR_168H	SMF-3	BASE	756.26	88.00	91.50	34064	0.00	0.00	11.243	11.241
100YR_168H	SMF-3	BASE	760.26	88.00	91.50	34064	0.00	0.00	11.243	11.241
100YR_168H	SMF-3	BASE	764.26	88.00	91.50	34064	0.00	0.00	11.243	11.241
100YR_168H	SMF-3	BASE	768.26	88.00	91.50	34064	0.00	0.00	11.243	11.241
100YR_168H	SMF-3	BASE	772.26	88.00	91.50	34064	0.00	0.00	11.243	11.241
100YR_168H	SMF-3	BASE	776.26	88.00	91.50	34064	0.00	0.00	11.243	11.241
100YR_168H	SMF-3	BASE	780.26	88.00	91.50	34064	0.00	0.00	11.243	11.241
100YR_168H	SMF-3	BASE	784.26	88.00	91.50	34064	0.00	0.00	11.243	11.241
100YR_168H	SMF-3	BASE	788.26	88.00	91.50	34064	0.00	0.00	11.243	11.241
100YR_168H	SMF-3	BASE	792.26	88.00	91.50	34064	0.00	0.00	11.243	11.241
100YR_168H	SMF-3	BASE	796.26	88.00	91.50	34064	0.00	0.00	11.243	11.241
100YR_168H	SMF-3	BASE	800.26	88.00	91.50	34064	0.00	0.00	11.243	11.241
100YR_168H	SMF-3	BASE	804.26	88.00	91.50	34064	0.00	0.00	11.243	11.241
100YR_168H	SMF-3	BASE	808.26	88.00	91.50	34064	0.00	0.00	11.243	11.241
100YR_168H	SMF-3	BASE	812.26	88.00	91.50	34064	0.00	0.00	11.243	11.241
100YR_168H	SMF-3	BASE	816.26	88.00	91.50	34064	0.00	0.00	11.243	11.241
100YR_168H	SMF-3	BASE	820.26	88.00	91.50	34064	0.00	0.00	11.243	11.241
100YR_168H	SMF-3	BASE	824.26	88.00	91.50	34064	0.00	0.00	11.243	11.241
100YR_168H	SMF-3	BASE	828.26	88.00	91.50	34064	0.00	0.00	11.243	11.241
100YR_168H	SMF-3	BASE	832.26	88.00	91.50	34064	0.00	0.00	11.243	11.241
100YR_168H	SMF-3	BASE	836.26	88.00	91.50	34064	0.00	0.00	11.243	11.241
100YR_168H	SMF-3	BASE	840.26	88.00	91.50	34064	0.00	0.00	11.243	11.241
100YR_168H	SMF-3	BASE	844.26	88.00	91.50	34064	0.00	0.00	11.243	11.241
100YR_168H	SMF-3	BASE	848.26	88.00	91.50	34064	0.00	0.00	11.243	11.241
100YR_168H	SMF-3	BASE	852.26	88.00	91.50	34064	0.00	0.00	11.243	11.241

Project: 17-0373 Legacy Park - Phase 2
SMF-3 Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_240H	SMF-3	BASE	192.51	90.54	91.50	42686	1.00	1.84	10.711	8.452
100YR_240H	SMF-3	BASE	192.76	90.53	91.50	42622	0.99	1.80	10.731	8.490
100YR_240H	SMF-3	BASE	193.01	90.51	91.50	42560	0.97	1.77	10.751	8.527
100YR_240H	SMF-3	BASE	193.26	90.49	91.50	42499	0.96	1.76	10.771	8.563
100YR_240H	SMF-3	BASE	193.51	90.48	91.50	42438	0.95	1.75	10.791	8.599
100YR_240H	SMF-3	BASE	193.76	90.46	91.50	42378	0.94	1.73	10.811	8.635
100YR_240H	SMF-3	BASE	194.01	90.44	91.50	42318	0.94	1.72	10.830	8.671
100YR_240H	SMF-3	BASE	194.26	90.42	91.50	42259	0.93	1.71	10.849	8.707
100YR_240H	SMF-3	BASE	194.51	90.41	91.50	42201	0.93	1.70	10.868	8.742
100YR_240H	SMF-3	BASE	194.76	90.39	91.50	42143	0.92	1.69	10.887	8.777
100YR_240H	SMF-3	BASE	195.01	90.38	91.50	42086	0.92	1.67	10.906	8.811
100YR_240H	SMF-3	BASE	195.26	90.36	91.50	42030	0.92	1.66	10.925	8.846
100YR_240H	SMF-3	BASE	195.51	90.34	91.50	41974	0.91	1.65	10.944	8.880
100YR_240H	SMF-3	BASE	195.76	90.33	91.50	41919	0.91	1.64	10.963	8.914
100YR_240H	SMF-3	BASE	196.01	90.31	91.50	41866	0.91	1.63	10.982	8.948
100YR_240H	SMF-3	BASE	196.26	90.30	91.50	41812	0.91	1.62	11.001	8.981
100YR_240H	SMF-3	BASE	196.51	90.28	91.50	41760	0.91	1.61	11.020	9.015
100YR_240H	SMF-3	BASE	196.76	90.27	91.50	41709	0.91	1.60	11.038	9.048
100YR_240H	SMF-3	BASE	197.01	90.25	91.50	41658	0.91	1.58	11.057	9.081
100YR_240H	SMF-3	BASE	197.26	90.24	91.50	41608	0.91	1.57	11.076	9.113
100YR_240H	SMF-3	BASE	197.51	90.22	91.50	41558	0.91	1.56	11.095	9.146
100YR_240H	SMF-3	BASE	197.76	90.21	91.50	41510	0.91	1.55	11.114	9.178
100YR_240H	SMF-3	BASE	198.01	90.20	91.50	41462	0.91	1.54	11.132	9.210
100YR_240H	SMF-3	BASE	198.26	90.18	91.50	41415	0.91	1.53	11.151	9.242
100YR_240H	SMF-3	BASE	198.51	90.17	91.50	41369	0.91	1.52	11.170	9.273
100YR_240H	SMF-3	BASE	198.76	90.16	91.50	41323	0.91	1.51	11.189	9.304
100YR_240H	SMF-3	BASE	199.01	90.14	91.50	41278	0.91	1.50	11.207	9.336
100YR_240H	SMF-3	BASE	199.26	90.13	91.50	41234	0.91	1.49	11.226	9.366
100YR_240H	SMF-3	BASE	199.51	90.12	91.50	41191	0.91	1.48	11.245	9.397
100YR_240H	SMF-3	BASE	199.76	90.10	91.50	41148	0.91	1.47	11.264	9.428
100YR_240H	SMF-3	BASE	200.01	90.09	91.50	41106	0.91	1.46	11.282	9.458
100YR_240H	SMF-3	BASE	200.26	90.08	91.50	41064	0.91	1.45	11.301	9.488
100YR_240H	SMF-3	BASE	200.51	90.07	91.50	41023	0.91	1.44	11.320	9.518
100YR_240H	SMF-3	BASE	200.76	90.06	91.50	40983	0.91	1.43	11.339	9.548
100YR_240H	SMF-3	BASE	201.01	90.05	91.50	40944	0.91	1.42	11.357	9.577
100YR_240H	SMF-3	BASE	201.26	90.03	91.50	40905	0.91	1.41	11.376	9.607
100YR_240H	SMF-3	BASE	201.51	90.02	91.50	40867	0.91	1.41	11.395	9.636
100YR_240H	SMF-3	BASE	201.76	90.01	91.50	40829	0.91	1.40	11.414	9.665
100YR_240H	SMF-3	BASE	202.01	90.00	91.50	40792	0.91	1.39	11.432	9.693
100YR_240H	SMF-3	BASE	202.26	89.99	91.50	40757	0.91	1.38	11.451	9.722
100YR_240H	SMF-3	BASE	202.51	89.98	91.50	40723	0.91	1.37	11.470	9.750
100YR_240H	SMF-3	BASE	202.76	89.97	91.50	40689	0.91	1.36	11.488	9.779
100YR_240H	SMF-3	BASE	203.01	89.96	91.50	40656	0.91	1.35	11.507	9.807
100YR_240H	SMF-3	BASE	203.26	89.95	91.50	40624	0.91	1.35	11.526	9.835
100YR_240H	SMF-3	BASE	203.51	89.94	91.50	40592	0.91	1.34	11.545	9.862
100YR_240H	SMF-3	BASE	203.76	89.93	91.50	40561	0.91	1.33	11.564	9.890
100YR_240H	SMF-3	BASE	204.01	89.92	91.50	40530	0.91	1.32	11.582	9.917
100YR_240H	SMF-3	BASE	204.26	89.91	91.50	40500	0.91	1.31	11.601	9.944
100YR_240H	SMF-3	BASE	204.51	89.90	91.50	40471	0.91	1.31	11.620	9.972
100YR_240H	SMF-3	BASE	204.76	89.90	91.50	40442	0.91	1.30	11.639	9.998
100YR_240H	SMF-3	BASE	205.01	89.89	91.50	40413	0.91	1.29	11.657	10.025
100YR_240H	SMF-3	BASE	205.26	89.88	91.50	40385	0.91	1.28	11.676	10.052

Project: 17-0373 Legacy Park - Phase 2
SMF-3 Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_240H	SMF-3	BASE	636.26	88.24	91.50	35064	0.00	0.01	13.271	13.064
100YR_240H	SMF-3	BASE	640.26	88.23	91.50	35044	0.00	0.01	13.271	13.068
100YR_240H	SMF-3	BASE	644.26	88.23	91.50	35025	0.00	0.01	13.271	13.072
100YR_240H	SMF-3	BASE	648.26	88.22	91.50	35006	0.00	0.01	13.271	13.076
100YR_240H	SMF-3	BASE	652.26	88.22	91.50	34987	0.00	0.01	13.271	13.081
100YR_240H	SMF-3	BASE	656.26	88.21	91.50	34967	0.00	0.01	13.271	13.085
100YR_240H	SMF-3	BASE	660.26	88.21	91.50	34948	0.00	0.01	13.271	13.089
100YR_240H	SMF-3	BASE	664.26	88.20	91.50	34929	0.00	0.01	13.271	13.093
100YR_240H	SMF-3	BASE	668.26	88.20	91.50	34910	0.00	0.01	13.271	13.097
100YR_240H	SMF-3	BASE	672.26	88.19	91.50	34891	0.00	0.01	13.271	13.101
100YR_240H	SMF-3	BASE	676.26	88.19	91.50	34872	0.00	0.01	13.271	13.105
100YR_240H	SMF-3	BASE	680.26	88.18	91.50	34854	0.00	0.01	13.271	13.109
100YR_240H	SMF-3	BASE	684.26	88.18	91.50	34835	0.00	0.01	13.271	13.113
100YR_240H	SMF-3	BASE	688.26	88.17	91.50	34816	0.00	0.01	13.271	13.117
100YR_240H	SMF-3	BASE	692.26	88.17	91.50	34797	0.00	0.01	13.271	13.121
100YR_240H	SMF-3	BASE	696.26	88.16	91.50	34779	0.00	0.01	13.271	13.125
100YR_240H	SMF-3	BASE	700.26	88.16	91.50	34760	0.00	0.01	13.271	13.129
100YR_240H	SMF-3	BASE	704.26	88.15	91.50	34742	0.00	0.01	13.271	13.133
100YR_240H	SMF-3	BASE	708.26	88.15	91.50	34723	0.00	0.01	13.271	13.137
100YR_240H	SMF-3	BASE	712.26	88.14	91.50	34705	0.00	0.01	13.271	13.141
100YR_240H	SMF-3	BASE	716.26	88.14	91.50	34686	0.00	0.01	13.271	13.145
100YR_240H	SMF-3	BASE	720.26	88.13	91.50	34668	0.00	0.01	13.271	13.149
100YR_240H	SMF-3	BASE	724.26	88.13	91.50	34649	0.00	0.01	13.271	13.153
100YR_240H	SMF-3	BASE	728.26	88.12	91.50	34631	0.00	0.01	13.271	13.156
100YR_240H	SMF-3	BASE	732.26	88.12	91.50	34612	0.00	0.01	13.271	13.160
100YR_240H	SMF-3	BASE	736.26	88.11	91.50	34594	0.00	0.01	13.271	13.164
100YR_240H	SMF-3	BASE	740.26	88.11	91.50	34575	0.00	0.01	13.271	13.168
100YR_240H	SMF-3	BASE	744.26	88.10	91.50	34557	0.00	0.01	13.271	13.171
100YR_240H	SMF-3	BASE	748.26	88.10	91.50	34539	0.00	0.01	13.271	13.175
100YR_240H	SMF-3	BASE	752.26	88.10	91.50	34520	0.00	0.01	13.271	13.179
100YR_240H	SMF-3	BASE	756.26	88.09	91.50	34502	0.00	0.01	13.271	13.182
100YR_240H	SMF-3	BASE	760.26	88.09	91.50	34483	0.00	0.01	13.271	13.186
100YR_240H	SMF-3	BASE	764.26	88.08	91.50	34465	0.00	0.01	13.271	13.190
100YR_240H	SMF-3	BASE	768.26	88.08	91.50	34446	0.00	0.01	13.271	13.193
100YR_240H	SMF-3	BASE	772.26	88.07	91.50	34427	0.00	0.01	13.271	13.197
100YR_240H	SMF-3	BASE	776.26	88.07	91.50	34409	0.00	0.01	13.271	13.200
100YR_240H	SMF-3	BASE	780.26	88.06	91.50	34390	0.00	0.01	13.271	13.204
100YR_240H	SMF-3	BASE	784.26	88.06	91.50	34372	0.00	0.01	13.271	13.208
100YR_240H	SMF-3	BASE	788.26	88.05	91.50	34352	0.00	0.01	13.271	13.211
100YR_240H	SMF-3	BASE	792.26	88.05	91.50	34333	0.00	0.01	13.271	13.215
100YR_240H	SMF-3	BASE	796.26	88.05	91.50	34314	0.00	0.01	13.271	13.218
100YR_240H	SMF-3	BASE	800.26	88.04	91.50	34295	0.00	0.01	13.271	13.222
100YR_240H	SMF-3	BASE	804.26	88.04	91.50	34275	0.00	0.01	13.271	13.225
100YR_240H	SMF-3	BASE	808.26	88.03	91.50	34255	0.00	0.01	13.271	13.228
100YR_240H	SMF-3	BASE	812.26	88.03	91.50	34234	0.00	0.01	13.271	13.232
100YR_240H	SMF-3	BASE	816.26	88.02	91.50	34214	0.00	0.01	13.271	13.235
100YR_240H	SMF-3	BASE	820.26	88.02	91.50	34192	0.00	0.01	13.271	13.239
100YR_240H	SMF-3	BASE	824.26	88.01	91.50	34163	0.00	0.01	13.271	13.242
100YR_240H	SMF-3	BASE	828.26	88.01	91.50	34134	0.00	0.01	13.271	13.245
100YR_240H	SMF-3	BASE	832.26	88.01	91.50	34105	0.00	0.01	13.271	13.249
100YR_240H	SMF-3	BASE	836.26	88.00	91.50	34077	0.00	0.01	13.271	13.252
100YR_240H	SMF-3	BASE	840.26	88.00	91.50	34064	0.00	0.00	13.271	13.254

Project: 17-0373 Legacy Park - Phase 2
SMF-4 Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af	
100YR_001H	SMF-4	BASE	0.00	89.00	94.00	28140	0.00	0.00	0.000	0.000	
100YR_001H	SMF-4	BASE	0.08	89.00	94.00	28140	0.00	0.00	0.000	0.000	
100YR_001H	SMF-4	BASE	0.18	89.00	94.00	28140	0.00	0.00	0.000	0.000	
100YR_001H	SMF-4	BASE	0.26	89.00	94.00	28140	0.00	0.00	0.000	0.000	
100YR_001H	SMF-4	BASE	0.34	89.00	94.00	28140	0.00	0.00	0.000	0.000	
100YR_001H	SMF-4	BASE	0.42	89.00	94.00	28140	0.00	0.00	0.000	0.000	
100YR_001H	SMF-4	BASE	0.50	89.00	94.00	28140	0.02	0.01	0.000	0.000	
100YR_001H	SMF-4	BASE	0.58	89.00	94.00	28140	0.43	0.43	0.002	0.002	
100YR_001H	SMF-4	BASE	0.67	89.00	94.00	28152	2.39	1.38	0.011	0.008	
100YR_001H	SMF-4	BASE	0.75	89.03	94.00	28265	5.47	1.39	0.038	0.017	
100YR_001H	SMF-4	BASE	0.83	89.09	94.00	28496	7.75	1.40	0.084	0.027	
100YR_001H	SMF-4	BASE	0.92	89.15	94.00	28784	7.69	1.42	0.139	0.037	
100YR_001H	SMF-4	BASE	1.00	89.21	94.00	29016	5.73	1.43	0.186	0.047	
100YR_001H	SMF-4	BASE	1.09	89.24	94.00	29154	3.53	1.43	0.218	0.057	
100YR_001H	SMF-4	BASE	1.17	89.26	94.00	29209	2.01	1.44	0.236	0.066	
100YR_001H	SMF-4	BASE	1.25	89.26	94.00	29213	1.05	1.44	0.247	0.077	
100YR_001H	SMF-4	BASE	1.34	89.25	94.00	29186	0.56	1.44	0.252	0.086	
100YR_001H	SMF-4	BASE	1.42	89.24	94.00	29140	0.28	1.43	0.255	0.097	
100YR_001H	SMF-4	BASE	1.50	89.23	94.00	29089	0.14	1.43	0.257	0.106	
100YR_001H	SMF-4	BASE	1.58	89.21	94.00	29034	0.06	1.43	0.258	0.116	
100YR_001H	SMF-4	BASE	1.67	89.20	94.00	28971	0.02	1.43	0.258	0.126	
100YR_001H	SMF-4	BASE	1.75	89.18	94.00	28912	0.00	1.42	0.258	0.135	
100YR_001H	SMF-4	BASE	1.84	89.17	94.00	28849	0.00	1.42	0.258	0.145	
100YR_001H	SMF-4	BASE	1.92	89.15	94.00	28787	0.00	1.42	0.258	0.155	
100YR_001H	SMF-4	BASE	2.00	89.14	94.00	28725	0.00	1.41	0.258	0.165	
100YR_001H	SMF-4	BASE	2.09	89.13	94.00	28663	0.00	1.41	0.258	0.175	
100YR_001H	SMF-4	BASE	2.34	89.08	94.00	28476	0.00	1.40	0.258	0.204	
100YR_001H	SMF-4	BASE	2.58	89.04	94.00	28296	0.00	1.39	0.258	0.232	
100YR_001H	SMF-4	BASE	2.84	89.00	94.00	28140	0.00	0.00	0.258	0.247	
100YR_001H	SMF-4	BASE	3.09	89.00	94.00	28140	0.00	0.00	0.258	0.247	
100YR_001H	SMF-4	BASE	3.33	89.00	94.00	28140	0.00	0.00	0.258	0.247	
100YR_001H	SMF-4	BASE	3.59	89.00	94.00	28140	0.00	0.00	0.258	0.247	
100YR_001H	SMF-4	BASE	3.84	89.00	94.00	28140	0.00	0.00	0.258	0.247	
100YR_001H	SMF-4	BASE	4.08	89.00	94.00	28140	0.00	0.00	0.258	0.247	
100YR_001H	SMF-4	BASE	4.33	89.00	94.00	28140	0.00	0.00	0.258	0.247	
100YR_001H	SMF-4	BASE	4.58	89.00	94.00	28140	0.00	0.00	0.258	0.247	
100YR_001H	SMF-4	BASE	4.84	89.00	94.00	28140	0.00	0.00	0.258	0.247	
100YR_001H	SMF-4	BASE	5.09	89.00	94.00	28140	0.00	0.00	0.258	0.247	
100YR_001H	SMF-4	BASE	5.34	89.00	94.00	28140	0.00	0.00	0.258	0.247	
100YR_001H	SMF-4	BASE	5.59	89.00	94.00	28140	0.00	0.00	0.258	0.247	
100YR_001H	SMF-4	BASE	5.84	89.00	94.00	28140	0.00	0.00	0.258	0.247	
100YR_001H	SMF-4	BASE	6.09	89.00	94.00	28140	0.00	0.00	0.258	0.247	
100YR_001H	SMF-4	BASE	6.34	89.00	94.00	28140	0.00	0.00	0.258	0.247	
100YR_001H	SMF-4	BASE	6.59	89.00	94.00	28140	0.00	0.00	0.258	0.247	
100YR_001H	SMF-4	BASE	6.84	89.00	94.00	28140	0.00	0.00	0.258	0.247	
100YR_001H	SMF-4	BASE	7.09	89.00	94.00	28140	0.00	0.00	0.258	0.247	
100YR_001H	SMF-4	BASE	7.34	89.00	94.00	28140	0.00	0.00	0.258	0.247	
100YR_001H	SMF-4	BASE	7.59	89.00	94.00	28140	0.00	0.00	0.258	0.247	
100YR_001H	SMF-4	BASE	7.84	89.00	94.00	28140	0.00	0.00	0.258	0.247	
100YR_001H	SMF-4	BASE	8.09	89.00	94.00	28140	0.00	0.00	0.258	0.247	
100YR_001H	SMF-4	BASE	8.34	89.00	94.00	28140	0.00	0.00	0.258	0.247	
100YR_001H	SMF-4	BASE	8.59	89.00	94.00	28140	0.00	0.00	0.258	0.247	

 Full Recovery
 Half Recovery

Project: 17-0373 Legacy Park - Phase 2
SMF-4 Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_002H	SMF-4	BASE	4.51	89.22	94.00	29048	0.00	1.43	0.594	0.452
100YR_002H	SMF-4	BASE	4.76	89.17	94.00	28862	0.00	1.42	0.594	0.482
100YR_002H	SMF-4	BASE	5.01	89.13	94.00	28675	0.00	1.41	0.594	0.511
100YR_002H	SMF-4	BASE	5.25	89.09	94.00	28496	0.00	1.40	0.594	0.540
100YR_002H	SMF-4	BASE	5.50	89.04	94.00	28309	0.00	1.39	0.594	0.569
100YR_002H	SMF-4	BASE	5.76	89.00	94.00	28140	0.00	0.00	0.594	0.583
100YR_002H	SMF-4	BASE	6.01	89.00	94.00	28140	0.00	0.00	0.594	0.583
100YR_002H	SMF-4	BASE	6.26	89.00	94.00	28140	0.00	0.00	0.594	0.583
100YR_002H	SMF-4	BASE	6.51	89.00	94.00	28140	0.00	0.00	0.594	0.583
100YR_002H	SMF-4	BASE	6.76	89.00	94.00	28140	0.00	0.00	0.594	0.583
100YR_002H	SMF-4	BASE	7.01	89.00	94.00	28140	0.00	0.00	0.594	0.583
100YR_002H	SMF-4	BASE	7.26	89.00	94.00	28140	0.00	0.00	0.594	0.583
100YR_002H	SMF-4	BASE	7.51	89.00	94.00	28140	0.00	0.00	0.594	0.583
100YR_002H	SMF-4	BASE	7.76	89.00	94.00	28140	0.00	0.00	0.594	0.583
100YR_002H	SMF-4	BASE	8.01	89.00	94.00	28140	0.00	0.00	0.594	0.583
100YR_002H	SMF-4	BASE	8.26	89.00	94.00	28140	0.00	0.00	0.594	0.583
100YR_002H	SMF-4	BASE	8.51	89.00	94.00	28140	0.00	0.00	0.594	0.583
100YR_002H	SMF-4	BASE	8.76	89.00	94.00	28140	0.00	0.00	0.594	0.583
100YR_002H	SMF-4	BASE	9.01	89.00	94.00	28140	0.00	0.00	0.594	0.583
100YR_002H	SMF-4	BASE	9.26	89.00	94.00	28140	0.00	0.00	0.594	0.583
100YR_002H	SMF-4	BASE	9.51	89.00	94.00	28140	0.00	0.00	0.594	0.583
100YR_002H	SMF-4	BASE	9.76	89.00	94.00	28140	0.00	0.00	0.594	0.583
100YR_002H	SMF-4	BASE	10.01	89.00	94.00	28140	0.00	0.00	0.594	0.583
100YR_002H	SMF-4	BASE	10.26	89.00	94.00	28140	0.00	0.00	0.594	0.583
100YR_002H	SMF-4	BASE	10.51	89.00	94.00	28140	0.00	0.00	0.594	0.583
100YR_002H	SMF-4	BASE	10.76	89.00	94.00	28140	0.00	0.00	0.594	0.583
100YR_002H	SMF-4	BASE	11.01	89.00	94.00	28140	0.00	0.00	0.594	0.583
100YR_002H	SMF-4	BASE	11.26	89.00	94.00	28140	0.00	0.00	0.594	0.583
100YR_002H	SMF-4	BASE	11.51	89.00	94.00	28140	0.00	0.00	0.594	0.583
100YR_002H	SMF-4	BASE	11.76	89.00	94.00	28140	0.00	0.00	0.594	0.583
100YR_002H	SMF-4	BASE	12.01	89.00	94.00	28140	0.00	0.00	0.594	0.583
100YR_002H	SMF-4	BASE	12.26	89.00	94.00	28140	0.00	0.00	0.594	0.583
100YR_002H	SMF-4	BASE	12.51	89.00	94.00	28140	0.00	0.00	0.594	0.583
100YR_002H	SMF-4	BASE	12.76	89.00	94.00	28140	0.00	0.00	0.594	0.583
100YR_002H	SMF-4	BASE	13.01	89.00	94.00	28140	0.00	0.00	0.594	0.583
100YR_002H	SMF-4	BASE	13.26	89.00	94.00	28140	0.00	0.00	0.594	0.583
100YR_002H	SMF-4	BASE	13.51	89.00	94.00	28140	0.00	0.00	0.594	0.583
100YR_002H	SMF-4	BASE	13.76	89.00	94.00	28140	0.00	0.00	0.594	0.583
100YR_002H	SMF-4	BASE	14.01	89.00	94.00	28140	0.00	0.00	0.594	0.583
100YR_002H	SMF-4	BASE	14.26	89.00	94.00	28140	0.00	0.00	0.594	0.583
100YR_002H	SMF-4	BASE	14.51	89.00	94.00	28140	0.00	0.00	0.594	0.583
100YR_002H	SMF-4	BASE	14.76	89.00	94.00	28140	0.00	0.00	0.594	0.583
100YR_002H	SMF-4	BASE	15.01	89.00	94.00	28140	0.00	0.00	0.594	0.583
100YR_002H	SMF-4	BASE	15.26	89.00	94.00	28140	0.00	0.00	0.594	0.583
100YR_002H	SMF-4	BASE	15.51	89.00	94.00	28140	0.00	0.00	0.594	0.583
100YR_002H	SMF-4	BASE	15.76	89.00	94.00	28140	0.00	0.00	0.594	0.583
100YR_002H	SMF-4	BASE	16.01	89.00	94.00	28140	0.00	0.00	0.594	0.583
100YR_002H	SMF-4	BASE	16.26	89.00	94.00	28140	0.00	0.00	0.594	0.583
100YR_002H	SMF-4	BASE	16.51	89.00	94.00	28140	0.00	0.00	0.594	0.583
100YR_002H	SMF-4	BASE	16.76	89.00	94.00	28140	0.00	0.00	0.594	0.583
100YR_002H	SMF-4	BASE	17.01	89.00	94.00	28140	0.00	0.00	0.594	0.583
100YR_002H	SMF-4	BASE	17.26	89.00	94.00	28140	0.00	0.00	0.594	0.583

Project: 17-0373 Legacy Park - Phase 2
SMF-4 Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_004H	SMF-4	BASE	0.00	89.00	94.00	28140	0.00	0.00	0.000	0.000
100YR_004H	SMF-4	BASE	0.26	89.00	94.00	28140	0.00	0.00	0.000	0.000
100YR_004H	SMF-4	BASE	0.50	89.00	94.00	28140	0.00	0.00	0.000	0.000
100YR_004H	SMF-4	BASE	0.77	89.00	94.00	28140	0.00	0.00	0.000	0.000
100YR_004H	SMF-4	BASE	1.02	89.00	94.00	28140	0.00	0.00	0.000	0.000
100YR_004H	SMF-4	BASE	1.27	89.00	94.00	28140	0.00	0.00	0.000	0.000
100YR_004H	SMF-4	BASE	1.51	89.00	94.00	28140	0.00	0.00	0.000	0.000
100YR_004H	SMF-4	BASE	1.75	89.00	94.00	28140	0.13	0.13	0.001	0.001
100YR_004H	SMF-4	BASE	2.00	89.01	94.00	28200	3.42	1.39	0.038	0.017
100YR_004H	SMF-4	BASE	2.25	89.15	94.00	28756	7.42	1.41	0.150	0.046
100YR_004H	SMF-4	BASE	2.50	89.38	94.00	29727	10.44	1.46	0.336	0.076
100YR_004H	SMF-4	BASE	2.75	89.66	94.00	30881	10.40	1.52	0.550	0.106
100YR_004H	SMF-4	BASE	3.00	89.90	94.00	31907	10.22	1.57	0.762	0.138
100YR_004H	SMF-4	BASE	3.25	90.11	94.00	32787	6.77	1.64	0.937	0.171
100YR_004H	SMF-4	BASE	3.50	90.21	94.00	33214	4.46	1.71	1.054	0.206
100YR_004H	SMF-4	BASE	3.75	90.26	94.00	33449	2.74	1.76	1.129	0.242
100YR_004H	SMF-4	BASE	4.01	90.27	94.00	33495	1.79	1.77	1.177	0.279
100YR_004H	SMF-4	BASE	4.25	90.26	94.00	33435	0.57	1.75	1.201	0.315
100YR_004H	SMF-4	BASE	4.50	90.22	94.00	33265	0.08	1.72	1.207	0.350
100YR_004H	SMF-4	BASE	4.76	90.17	94.00	33065	0.01	1.68	1.208	0.386
100YR_004H	SMF-4	BASE	5.00	90.13	94.00	32873	0.00	1.65	1.208	0.420
100YR_004H	SMF-4	BASE	5.26	90.08	94.00	32675	0.00	1.62	1.208	0.455
100YR_004H	SMF-4	BASE	5.50	90.04	94.00	32487	0.00	1.60	1.208	0.487
100YR_004H	SMF-4	BASE	5.76	89.99	94.00	32292	0.00	1.59	1.208	0.521
100YR_004H	SMF-4	BASE	6.00	89.95	94.00	32110	0.00	1.58	1.208	0.553
100YR_004H	SMF-4	BASE	6.26	89.90	94.00	31921	0.00	1.57	1.208	0.586
100YR_004H	SMF-4	BASE	6.51	89.86	94.00	31739	0.00	1.56	1.208	0.618
100YR_004H	SMF-4	BASE	6.75	89.82	94.00	31557	0.00	1.55	1.208	0.650
100YR_004H	SMF-4	BASE	7.01	89.77	94.00	31368	0.00	1.54	1.208	0.682
100YR_004H	SMF-4	BASE	7.25	89.73	94.00	31186	0.00	1.53	1.208	0.714
100YR_004H	SMF-4	BASE	7.51	89.68	94.00	30997	0.00	1.52	1.208	0.746
100YR_004H	SMF-4	BASE	7.75	89.64	94.00	30815	0.00	1.52	1.208	0.777
100YR_004H	SMF-4	BASE	8.01	89.59	94.00	30625	0.00	1.51	1.208	0.809
100YR_004H	SMF-4	BASE	8.25	89.55	94.00	30444	0.00	1.50	1.208	0.839
100YR_004H	SMF-4	BASE	8.50	89.51	94.00	30262	0.00	1.49	1.208	0.870
100YR_004H	SMF-4	BASE	8.76	89.46	94.00	30072	0.00	1.48	1.208	0.901
100YR_004H	SMF-4	BASE	9.00	89.42	94.00	29889	0.00	1.47	1.208	0.931
100YR_004H	SMF-4	BASE	9.25	89.37	94.00	29706	0.00	1.46	1.208	0.961
100YR_004H	SMF-4	BASE	9.50	89.33	94.00	29521	0.00	1.45	1.208	0.991
100YR_004H	SMF-4	BASE	9.75	89.29	94.00	29336	0.00	1.44	1.208	1.021
100YR_004H	SMF-4	BASE	10.00	89.24	94.00	29151	0.00	1.43	1.208	1.051
100YR_004H	SMF-4	BASE	10.25	89.20	94.00	28966	0.00	1.42	1.208	1.080
100YR_004H	SMF-4	BASE	10.50	89.15	94.00	28781	0.00	1.42	1.208	1.110
100YR_004H	SMF-4	BASE	10.75	89.11	94.00	28595	0.00	1.41	1.208	1.139
100YR_004H	SMF-4	BASE	11.00	89.06	94.00	28410	0.00	1.40	1.208	1.168
100YR_004H	SMF-4	BASE	11.25	89.02	94.00	28225	0.00	1.39	1.208	1.197
100YR_004H	SMF-4	BASE	11.50	89.00	94.00	28140	0.00	0.00	1.208	1.211
100YR_004H	SMF-4	BASE	11.75	89.00	94.00	28140	0.00	0.00	1.208	1.211
100YR_004H	SMF-4	BASE	12.00	89.00	94.00	28140	0.00	0.00	1.208	1.211
100YR_004H	SMF-4	BASE	12.25	89.00	94.00	28140	0.00	0.00	1.208	1.211
100YR_004H	SMF-4	BASE	12.50	89.00	94.00	28140	0.00	0.00	1.208	1.211

Project: 17-0373 Legacy Park - Phase 2
SMF-4 Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_008H	SMF-4	BASE	7.51	90.68	94.00	35272	1.85	2.04	1.842	0.619
100YR_008H	SMF-4	BASE	7.76	90.68	94.00	35248	1.80	2.03	1.880	0.661
100YR_008H	SMF-4	BASE	8.01	90.67	94.00	35223	1.78	2.03	1.917	0.703
100YR_008H	SMF-4	BASE	8.26	90.65	94.00	35140	0.62	2.02	1.943	0.746
100YR_008H	SMF-4	BASE	8.51	90.61	94.00	34952	0.09	2.00	1.950	0.786
100YR_008H	SMF-4	BASE	8.75	90.56	94.00	34739	0.01	1.97	1.951	0.827
100YR_008H	SMF-4	BASE	9.01	90.51	94.00	34514	0.00	1.94	1.951	0.868
100YR_008H	SMF-4	BASE	9.25	90.46	94.00	34301	0.00	1.91	1.951	0.907
100YR_008H	SMF-4	BASE	9.51	90.41	94.00	34080	0.00	1.88	1.951	0.947
100YR_008H	SMF-4	BASE	9.75	90.36	94.00	33871	0.00	1.84	1.951	0.985
100YR_008H	SMF-4	BASE	10.01	90.31	94.00	33658	0.00	1.80	1.951	1.024
100YR_008H	SMF-4	BASE	10.25	90.26	94.00	33456	0.00	1.76	1.951	1.060
100YR_008H	SMF-4	BASE	10.50	90.22	94.00	33257	0.00	1.72	1.951	1.095
100YR_008H	SMF-4	BASE	10.76	90.17	94.00	33054	0.00	1.68	1.951	1.131
100YR_008H	SMF-4	BASE	11.00	90.13	94.00	32861	0.00	1.65	1.951	1.164
100YR_008H	SMF-4	BASE	11.26	90.08	94.00	32663	0.00	1.62	1.951	1.199
100YR_008H	SMF-4	BASE	11.51	90.03	94.00	32471	0.00	1.60	1.951	1.232
100YR_008H	SMF-4	BASE	11.76	89.99	94.00	32279	0.00	1.59	1.951	1.266
100YR_008H	SMF-4	BASE	12.01	89.95	94.00	32096	0.00	1.58	1.951	1.298
100YR_008H	SMF-4	BASE	12.26	89.90	94.00	31911	0.00	1.57	1.951	1.331
100YR_008H	SMF-4	BASE	12.51	89.86	94.00	31726	0.00	1.56	1.951	1.363
100YR_008H	SMF-4	BASE	12.76	89.81	94.00	31541	0.00	1.55	1.951	1.395
100YR_008H	SMF-4	BASE	13.01	89.77	94.00	31356	0.00	1.54	1.951	1.427
100YR_008H	SMF-4	BASE	13.26	89.72	94.00	31171	0.00	1.53	1.951	1.459
100YR_008H	SMF-4	BASE	13.51	89.68	94.00	30986	0.00	1.52	1.951	1.490
100YR_008H	SMF-4	BASE	13.76	89.64	94.00	30800	0.00	1.52	1.951	1.522
100YR_008H	SMF-4	BASE	14.01	89.59	94.00	30615	0.00	1.51	1.951	1.553
100YR_008H	SMF-4	BASE	14.26	89.55	94.00	30430	0.00	1.50	1.951	1.584
100YR_008H	SMF-4	BASE	14.51	89.50	94.00	30245	0.00	1.49	1.951	1.615
100YR_008H	SMF-4	BASE	14.76	89.46	94.00	30060	0.00	1.48	1.951	1.645
100YR_008H	SMF-4	BASE	15.01	89.41	94.00	29875	0.00	1.47	1.951	1.676
100YR_008H	SMF-4	BASE	15.26	89.37	94.00	29690	0.00	1.46	1.951	1.706
100YR_008H	SMF-4	BASE	15.51	89.33	94.00	29505	0.00	1.45	1.951	1.736
100YR_008H	SMF-4	BASE	15.76	89.28	94.00	29319	0.00	1.44	1.951	1.766
100YR_008H	SMF-4	BASE	16.01	89.24	94.00	29134	0.00	1.43	1.951	1.796
100YR_008H	SMF-4	BASE	16.26	89.19	94.00	28949	0.00	1.42	1.951	1.825
100YR_008H	SMF-4	BASE	16.51	89.15	94.00	28765	0.00	1.36	1.951	1.854
100YR_008H	SMF-4	BASE	16.76	89.11	94.00	28598	0.00	1.18	1.951	1.880
100YR_008H	SMF-4	BASE	17.01	89.07	94.00	28451	0.00	1.04	1.951	1.903
100YR_008H	SMF-4	BASE	17.26	89.04	94.00	28320	0.00	0.94	1.951	1.924
100YR_008H	SMF-4	BASE	17.51	89.01	94.00	28201	0.00	0.86	1.951	1.942
100YR_008H	SMF-4	BASE	17.76	89.00	94.00	28140	0.00	0.00	1.951	1.951
100YR_008H	SMF-4	BASE	18.01	89.00	94.00	28140	0.00	0.00	1.951	1.951
100YR_008H	SMF-4	BASE	18.26	89.00	94.00	28140	0.00	0.00	1.951	1.951
100YR_008H	SMF-4	BASE	18.51	89.00	94.00	28140	0.00	0.00	1.951	1.951
100YR_008H	SMF-4	BASE	18.76	89.00	94.00	28140	0.00	0.00	1.951	1.951
100YR_008H	SMF-4	BASE	19.01	89.00	94.00	28140	0.00	0.00	1.951	1.951
100YR_008H	SMF-4	BASE	19.26	89.00	94.00	28140	0.00	0.00	1.951	1.951
100YR_008H	SMF-4	BASE	19.51	89.00	94.00	28140	0.00	0.00	1.951	1.951
100YR_008H	SMF-4	BASE	19.76	89.00	94.00	28140	0.00	0.00	1.951	1.951
100YR_008H	SMF-4	BASE	20.01	89.00	94.00	28140	0.00	0.00	1.951	1.951
100YR_008H	SMF-4	BASE	20.26	89.00	94.00	28140	0.00	0.00	1.951	1.951

Project: 17-0373 Legacy Park - Phase 2
SMF-4 Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_024H	SMF-4	BASE	70.26	89.22	94.00	29063	0.00	0.15	4.139	3.997
100YR_024H	SMF-4	BASE	71.26	89.20	94.00	28987	0.00	0.15	4.139	4.009
100YR_024H	SMF-4	BASE	72.26	89.18	94.00	28912	0.00	0.14	4.139	4.021
100YR_024H	SMF-4	BASE	73.26	89.17	94.00	28838	0.00	0.14	4.139	4.033
100YR_024H	SMF-4	BASE	74.26	89.15	94.00	28765	0.00	0.14	4.139	4.044
100YR_024H	SMF-4	BASE	75.26	89.13	94.00	28693	0.00	0.14	4.139	4.056
100YR_024H	SMF-4	BASE	76.26	89.12	94.00	28622	0.00	0.14	4.139	4.067
100YR_024H	SMF-4	BASE	77.26	89.10	94.00	28551	0.00	0.13	4.139	4.078
100YR_024H	SMF-4	BASE	78.26	89.08	94.00	28481	0.00	0.13	4.139	4.089
100YR_024H	SMF-4	BASE	79.26	89.07	94.00	28412	0.00	0.13	4.139	4.100
100YR_024H	SMF-4	BASE	80.26	89.05	94.00	28343	0.00	0.13	4.139	4.110
100YR_024H	SMF-4	BASE	81.26	89.03	94.00	28276	0.00	0.13	4.139	4.121
100YR_024H	SMF-4	BASE	82.26	89.02	94.00	28209	0.00	0.12	4.139	4.131
100YR_024H	SMF-4	BASE	83.26	89.00	94.00	28142	0.00	0.12	4.139	4.142
100YR_024H	SMF-4	BASE	84.26	89.00	94.00	28140	0.00	0.00	4.139	4.147
100YR_024H	SMF-4	BASE	85.26	89.00	94.00	28140	0.00	0.00	4.139	4.147
100YR_024H	SMF-4	BASE	86.26	89.00	94.00	28140	0.00	0.00	4.139	4.147
100YR_024H	SMF-4	BASE	87.26	89.00	94.00	28140	0.00	0.00	4.139	4.147
100YR_024H	SMF-4	BASE	88.26	89.00	94.00	28140	0.00	0.00	4.139	4.147
100YR_024H	SMF-4	BASE	89.26	89.00	94.00	28140	0.00	0.00	4.139	4.147
100YR_024H	SMF-4	BASE	90.26	89.00	94.00	28140	0.00	0.00	4.139	4.147
100YR_024H	SMF-4	BASE	91.26	89.00	94.00	28140	0.00	0.00	4.139	4.147
100YR_024H	SMF-4	BASE	92.26	89.00	94.00	28140	0.00	0.00	4.139	4.147
100YR_024H	SMF-4	BASE	93.26	89.00	94.00	28140	0.00	0.00	4.139	4.147
100YR_024H	SMF-4	BASE	94.26	89.00	94.00	28140	0.00	0.00	4.139	4.147
100YR_024H	SMF-4	BASE	95.26	89.00	94.00	28140	0.00	0.00	4.139	4.147
100YR_024H	SMF-4	BASE	96.26	89.00	94.00	28140	0.00	0.00	4.139	4.147
100YR_024H	SMF-4	BASE	97.26	89.00	94.00	28140	0.00	0.00	4.139	4.147
100YR_024H	SMF-4	BASE	98.26	89.00	94.00	28140	0.00	0.00	4.139	4.147
100YR_024H	SMF-4	BASE	99.26	89.00	94.00	28140	0.00	0.00	4.139	4.147
100YR_024H	SMF-4	BASE	100.26	89.00	94.00	28140	0.00	0.00	4.139	4.147
100YR_024H	SMF-4	BASE	101.26	89.00	94.00	28140	0.00	0.00	4.139	4.147
100YR_024H	SMF-4	BASE	102.26	89.00	94.00	28140	0.00	0.00	4.139	4.147
100YR_024H	SMF-4	BASE	103.26	89.00	94.00	28140	0.00	0.00	4.139	4.147
100YR_024H	SMF-4	BASE	104.26	89.00	94.00	28140	0.00	0.00	4.139	4.147
100YR_024H	SMF-4	BASE	105.26	89.00	94.00	28140	0.00	0.00	4.139	4.147
100YR_024H	SMF-4	BASE	106.26	89.00	94.00	28140	0.00	0.00	4.139	4.147
100YR_024H	SMF-4	BASE	107.26	89.00	94.00	28140	0.00	0.00	4.139	4.147
100YR_024H	SMF-4	BASE	108.26	89.00	94.00	28140	0.00	0.00	4.139	4.147
100YR_024H	SMF-4	BASE	109.26	89.00	94.00	28140	0.00	0.00	4.139	4.147
100YR_024H	SMF-4	BASE	110.26	89.00	94.00	28140	0.00	0.00	4.139	4.147
100YR_024H	SMF-4	BASE	111.26	89.00	94.00	28140	0.00	0.00	4.139	4.147
100YR_024H	SMF-4	BASE	112.26	89.00	94.00	28140	0.00	0.00	4.139	4.147
100YR_024H	SMF-4	BASE	113.26	89.00	94.00	28140	0.00	0.00	4.139	4.147
100YR_024H	SMF-4	BASE	114.26	89.00	94.00	28140	0.00	0.00	4.139	4.147
100YR_024H	SMF-4	BASE	115.26	89.00	94.00	28140	0.00	0.00	4.139	4.147
100YR_024H	SMF-4	BASE	116.26	89.00	94.00	28140	0.00	0.00	4.139	4.147
100YR_024H	SMF-4	BASE	117.26	89.00	94.00	28140	0.00	0.00	4.139	4.147
100YR_024H	SMF-4	BASE	118.26	89.00	94.00	28140	0.00	0.00	4.139	4.147
100YR_024H	SMF-4	BASE	119.26	89.00	94.00	28140	0.00	0.00	4.139	4.147
100YR_024H	SMF-4	BASE	120.26	89.00	94.00	28140	0.00	0.00	4.139	4.147
100YR_024H	SMF-4	BASE	121.26	89.00	94.00	28140	0.00	0.00	4.139	4.147

Project: 17-0373 Legacy Park - Phase 2
SMF-4 Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_072H	SMF-4	BASE	64.51	92.72	94.00	44245	1.61	1.29	5.809	2.735
100YR_072H	SMF-4	BASE	64.76	92.72	94.00	44268	1.48	1.27	5.841	2.762
100YR_072H	SMF-4	BASE	65.01	92.73	94.00	44287	1.46	1.26	5.872	2.789
100YR_072H	SMF-4	BASE	65.25	92.73	94.00	44305	1.47	1.25	5.901	2.814
100YR_072H	SMF-4	BASE	65.51	92.74	94.00	44326	1.47	1.24	5.932	2.840
100YR_072H	SMF-4	BASE	65.76	92.74	94.00	44348	1.47	1.23	5.962	2.865
100YR_072H	SMF-4	BASE	66.01	92.75	94.00	44371	1.47	1.22	5.993	2.891
100YR_072H	SMF-4	BASE	66.25	92.75	94.00	44394	1.47	1.21	6.022	2.915
100YR_072H	SMF-4	BASE	66.51	92.76	94.00	44418	1.48	1.21	6.053	2.940
100YR_072H	SMF-4	BASE	66.76	92.76	94.00	44444	1.48	1.20	6.084	2.966
100YR_072H	SMF-4	BASE	67.01	92.77	94.00	44469	1.48	1.20	6.115	2.991
100YR_072H	SMF-4	BASE	67.26	92.77	94.00	44495	1.48	1.19	6.145	3.015
100YR_072H	SMF-4	BASE	67.51	92.78	94.00	44521	1.48	1.19	6.175	3.040
100YR_072H	SMF-4	BASE	67.76	92.79	94.00	44549	1.48	1.19	6.206	3.064
100YR_072H	SMF-4	BASE	68.01	92.79	94.00	44576	1.48	1.18	6.237	3.089
100YR_072H	SMF-4	BASE	68.26	92.79	94.00	44586	1.00	1.18	6.262	3.113
100YR_072H	SMF-4	BASE	68.51	92.79	94.00	44554	0.71	1.17	6.280	3.137
100YR_072H	SMF-4	BASE	68.76	92.78	94.00	44511	0.67	1.16	6.294	3.161
100YR_072H	SMF-4	BASE	69.01	92.77	94.00	44467	0.67	1.15	6.308	3.185
100YR_072H	SMF-4	BASE	69.26	92.76	94.00	44423	0.67	1.14	6.322	3.208
100YR_072H	SMF-4	BASE	69.51	92.75	94.00	44381	0.67	1.13	6.336	3.232
100YR_072H	SMF-4	BASE	69.76	92.74	94.00	44339	0.67	1.12	6.350	3.255
100YR_072H	SMF-4	BASE	70.01	92.73	94.00	44298	0.67	1.12	6.364	3.278
100YR_072H	SMF-4	BASE	70.26	92.72	94.00	44257	0.67	1.11	6.378	3.301
100YR_072H	SMF-4	BASE	70.51	92.71	94.00	44217	0.67	1.10	6.391	3.324
100YR_072H	SMF-4	BASE	70.76	92.70	94.00	44178	0.67	1.10	6.405	3.347
100YR_072H	SMF-4	BASE	71.01	92.70	94.00	44139	0.67	1.09	6.419	3.369
100YR_072H	SMF-4	BASE	71.26	92.69	94.00	44100	0.67	1.09	6.433	3.392
100YR_072H	SMF-4	BASE	71.51	92.68	94.00	44062	0.67	1.08	6.447	3.414
100YR_072H	SMF-4	BASE	71.76	92.67	94.00	44025	0.67	1.08	6.461	3.437
100YR_072H	SMF-4	BASE	72.01	92.66	94.00	43988	0.67	1.07	6.475	3.459
100YR_072H	SMF-4	BASE	72.26	92.65	94.00	43935	0.25	1.06	6.484	3.481
100YR_072H	SMF-4	BASE	72.51	92.63	94.00	43847	0.03	1.05	6.487	3.503
100YR_072H	SMF-4	BASE	72.76	92.61	94.00	43751	0.00	1.04	6.488	3.524
100YR_072H	SMF-4	BASE	73.01	92.59	94.00	43655	0.00	1.03	6.488	3.546
100YR_072H	SMF-4	BASE	73.26	92.57	94.00	43559	0.00	1.02	6.488	3.567
100YR_072H	SMF-4	BASE	73.51	92.55	94.00	43463	0.00	1.01	6.488	3.588
100YR_072H	SMF-4	BASE	73.76	92.53	94.00	43368	0.00	1.01	6.488	3.609
100YR_072H	SMF-4	BASE	74.01	92.50	94.00	43274	0.00	1.00	6.488	3.629
100YR_072H	SMF-4	BASE	74.26	92.48	94.00	43181	0.00	0.99	6.488	3.650
100YR_072H	SMF-4	BASE	74.51	92.46	94.00	43087	0.00	0.98	6.488	3.670
100YR_072H	SMF-4	BASE	74.76	92.44	94.00	42995	0.00	0.97	6.488	3.691
100YR_072H	SMF-4	BASE	75.01	92.42	94.00	42903	0.00	0.97	6.488	3.711
100YR_072H	SMF-4	BASE	75.26	92.40	94.00	42811	0.00	0.96	6.488	3.730
100YR_072H	SMF-4	BASE	75.51	92.38	94.00	42720	0.00	0.95	6.488	3.750
100YR_072H	SMF-4	BASE	75.76	92.36	94.00	42629	0.00	0.95	6.488	3.770
100YR_072H	SMF-4	BASE	76.01	92.34	94.00	42539	0.00	0.94	6.488	3.789
100YR_072H	SMF-4	BASE	76.26	92.32	94.00	42449	0.00	0.93	6.488	3.809
100YR_072H	SMF-4	BASE	76.51	92.30	94.00	42360	0.00	0.93	6.488	3.828
100YR_072H	SMF-4	BASE	76.76	92.28	94.00	42271	0.00	0.92	6.488	3.847
100YR_072H	SMF-4	BASE	77.01	92.26	94.00	42182	0.00	0.91	6.488	3.866
100YR_072H	SMF-4	BASE	77.26	92.24	94.00	42094	0.00	0.91	6.488	3.885

Project: 17-0373 Legacy Park - Phase 2
SMF-4 Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_072H	SMF-4	BASE	225.26	89.03	94.00	28269	0.00	0.07	6.488	6.474
100YR_072H	SMF-4	BASE	226.26	89.02	94.00	28234	0.00	0.07	6.488	6.479
100YR_072H	SMF-4	BASE	227.26	89.01	94.00	28200	0.00	0.06	6.488	6.484
100YR_072H	SMF-4	BASE	228.26	89.01	94.00	28165	0.00	0.06	6.488	6.490
100YR_072H	SMF-4	BASE	229.26	89.00	94.00	28140	0.00	0.00	6.488	6.492
100YR_072H	SMF-4	BASE	230.26	89.00	94.00	28140	0.00	0.00	6.488	6.492
100YR_072H	SMF-4	BASE	231.26	89.00	94.00	28140	0.00	0.00	6.488	6.492
100YR_072H	SMF-4	BASE	232.26	89.00	94.00	28140	0.00	0.00	6.488	6.492
100YR_072H	SMF-4	BASE	233.26	89.00	94.00	28140	0.00	0.00	6.488	6.492
100YR_072H	SMF-4	BASE	234.26	89.00	94.00	28140	0.00	0.00	6.488	6.492
100YR_072H	SMF-4	BASE	235.26	89.00	94.00	28140	0.00	0.00	6.488	6.492
100YR_072H	SMF-4	BASE	236.26	89.00	94.00	28140	0.00	0.00	6.488	6.492
100YR_072H	SMF-4	BASE	237.26	89.00	94.00	28140	0.00	0.00	6.488	6.492
100YR_072H	SMF-4	BASE	238.26	89.00	94.00	28140	0.00	0.00	6.488	6.492
100YR_072H	SMF-4	BASE	239.26	89.00	94.00	28140	0.00	0.00	6.488	6.492
100YR_072H	SMF-4	BASE	240.26	89.00	94.00	28140	0.00	0.00	6.488	6.492
100YR_072H	SMF-4	BASE	241.26	89.00	94.00	28140	0.00	0.00	6.488	6.492
100YR_072H	SMF-4	BASE	242.26	89.00	94.00	28140	0.00	0.00	6.488	6.492
100YR_072H	SMF-4	BASE	243.26	89.00	94.00	28140	0.00	0.00	6.488	6.492
100YR_072H	SMF-4	BASE	244.26	89.00	94.00	28140	0.00	0.00	6.488	6.492
100YR_072H	SMF-4	BASE	245.26	89.00	94.00	28140	0.00	0.00	6.488	6.492
100YR_072H	SMF-4	BASE	246.26	89.00	94.00	28140	0.00	0.00	6.488	6.492
100YR_072H	SMF-4	BASE	247.26	89.00	94.00	28140	0.00	0.00	6.488	6.492
100YR_072H	SMF-4	BASE	248.26	89.00	94.00	28140	0.00	0.00	6.488	6.492
100YR_072H	SMF-4	BASE	252.26	89.00	94.00	28140	0.00	0.00	6.488	6.492
100YR_072H	SMF-4	BASE	256.26	89.00	94.00	28140	0.00	0.00	6.488	6.492
100YR_072H	SMF-4	BASE	260.26	89.00	94.00	28140	0.00	0.00	6.488	6.492
100YR_072H	SMF-4	BASE	264.26	89.00	94.00	28140	0.00	0.00	6.488	6.492
100YR_072H	SMF-4	BASE	268.26	89.00	94.00	28140	0.00	0.00	6.488	6.492
100YR_072H	SMF-4	BASE	272.26	89.00	94.00	28140	0.00	0.00	6.488	6.492
100YR_072H	SMF-4	BASE	276.26	89.00	94.00	28140	0.00	0.00	6.488	6.492
100YR_072H	SMF-4	BASE	280.26	89.00	94.00	28140	0.00	0.00	6.488	6.492
100YR_072H	SMF-4	BASE	284.26	89.00	94.00	28140	0.00	0.00	6.488	6.492
100YR_072H	SMF-4	BASE	288.26	89.00	94.00	28140	0.00	0.00	6.488	6.492
100YR_072H	SMF-4	BASE	292.26	89.00	94.00	28140	0.00	0.00	6.488	6.492
100YR_072H	SMF-4	BASE	296.26	89.00	94.00	28140	0.00	0.00	6.488	6.492
100YR_072H	SMF-4	BASE	300.26	89.00	94.00	28140	0.00	0.00	6.488	6.492
100YR_072H	SMF-4	BASE	304.26	89.00	94.00	28140	0.00	0.00	6.488	6.492
100YR_072H	SMF-4	BASE	308.26	89.00	94.00	28140	0.00	0.00	6.488	6.492
100YR_072H	SMF-4	BASE	312.26	89.00	94.00	28140	0.00	0.00	6.488	6.492
100YR_072H	SMF-4	BASE	316.26	89.00	94.00	28140	0.00	0.00	6.488	6.492
100YR_072H	SMF-4	BASE	320.26	89.00	94.00	28140	0.00	0.00	6.488	6.492
100YR_072H	SMF-4	BASE	324.26	89.00	94.00	28140	0.00	0.00	6.488	6.492
100YR_072H	SMF-4	BASE	328.26	89.00	94.00	28140	0.00	0.00	6.488	6.492
100YR_072H	SMF-4	BASE	332.26	89.00	94.00	28140	0.00	0.00	6.488	6.492
100YR_072H	SMF-4	BASE	336.26	89.00	94.00	28140	0.00	0.00	6.488	6.492
100YR_072H	SMF-4	BASE	340.26	89.00	94.00	28140	0.00	0.00	6.488	6.492
100YR_072H	SMF-4	BASE	344.26	89.00	94.00	28140	0.00	0.00	6.488	6.492
100YR_072H	SMF-4	BASE	348.26	89.00	94.00	28140	0.00	0.00	6.488	6.492
100YR_072H	SMF-4	BASE	352.26	89.00	94.00	28140	0.00	0.00	6.488	6.492
100YR_072H	SMF-4	BASE	356.26	89.00	94.00	28140	0.00	0.00	6.488	6.492
100YR_072H	SMF-4	BASE	360.26	89.00	94.00	28140	0.00	0.00	6.488	6.492

Project: 17-0373 Legacy Park - Phase 2
SMF-4 Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_168H	SMF-4	BASE	167.76	93.58	94.00	48167	1.02	1.14	8.492	4.501
100YR_168H	SMF-4	BASE	168.01	93.58	94.00	48157	1.01	1.14	8.513	4.524
100YR_168H	SMF-4	BASE	168.26	93.57	94.00	48127	0.41	1.13	8.528	4.548
100YR_168H	SMF-4	BASE	168.51	93.55	94.00	48046	0.06	1.12	8.532	4.571
100YR_168H	SMF-4	BASE	168.76	93.53	94.00	47952	0.01	1.11	8.533	4.594
100YR_168H	SMF-4	BASE	169.01	93.51	94.00	47857	0.00	1.10	8.533	4.617
100YR_168H	SMF-4	BASE	169.26	93.49	94.00	47763	0.00	1.09	8.533	4.640
100YR_168H	SMF-4	BASE	169.51	93.47	94.00	47669	0.00	1.08	8.533	4.662
100YR_168H	SMF-4	BASE	169.76	93.45	94.00	47576	0.00	1.08	8.533	4.684
100YR_168H	SMF-4	BASE	170.01	93.43	94.00	47483	0.00	1.07	8.533	4.707
100YR_168H	SMF-4	BASE	170.26	93.41	94.00	47390	0.00	1.06	8.533	4.729
100YR_168H	SMF-4	BASE	170.51	93.39	94.00	47298	0.00	1.06	8.533	4.750
100YR_168H	SMF-4	BASE	170.76	93.37	94.00	47207	0.00	1.05	8.533	4.772
100YR_168H	SMF-4	BASE	171.01	93.35	94.00	47115	0.00	1.04	8.533	4.794
100YR_168H	SMF-4	BASE	171.26	93.33	94.00	47025	0.00	1.04	8.533	4.815
100YR_168H	SMF-4	BASE	171.51	93.31	94.00	46934	0.00	1.03	8.533	4.837
100YR_168H	SMF-4	BASE	171.76	93.29	94.00	46844	0.00	1.02	8.533	4.858
100YR_168H	SMF-4	BASE	172.01	93.27	94.00	46754	0.00	1.02	8.533	4.879
100YR_168H	SMF-4	BASE	172.26	93.25	94.00	46664	0.00	1.01	8.533	4.900
100YR_168H	SMF-4	BASE	173.26	93.17	94.00	46309	0.00	0.99	8.533	4.983
100YR_168H	SMF-4	BASE	174.26	93.10	94.00	45959	0.00	0.97	8.533	5.064
100YR_168H	SMF-4	BASE	175.26	93.02	94.00	45613	0.00	0.95	8.533	5.143
100YR_168H	SMF-4	BASE	176.26	92.95	94.00	45274	0.00	0.93	8.533	5.221
100YR_168H	SMF-4	BASE	177.26	92.87	94.00	44939	0.00	0.92	8.533	5.298
100YR_168H	SMF-4	BASE	178.26	92.80	94.00	44609	0.00	0.90	8.533	5.373
100YR_168H	SMF-4	BASE	179.26	92.73	94.00	44283	0.00	0.88	8.533	5.446
100YR_168H	SMF-4	BASE	180.26	92.66	94.00	43960	0.00	0.86	8.533	5.518
100YR_168H	SMF-4	BASE	181.26	92.59	94.00	43641	0.00	0.85	8.533	5.589
100YR_168H	SMF-4	BASE	182.26	92.52	94.00	43326	0.00	0.83	8.533	5.659
100YR_168H	SMF-4	BASE	183.26	92.45	94.00	43015	0.00	0.82	8.533	5.727
100YR_168H	SMF-4	BASE	184.26	92.38	94.00	42707	0.00	0.80	8.533	5.794
100YR_168H	SMF-4	BASE	185.26	92.31	94.00	42403	0.00	0.79	8.533	5.859
100YR_168H	SMF-4	BASE	186.26	92.25	94.00	42102	0.00	0.77	8.533	5.924
100YR_168H	SMF-4	BASE	187.26	92.18	94.00	41805	0.00	0.76	8.533	5.987
100YR_168H	SMF-4	BASE	188.26	92.12	94.00	41511	0.00	0.74	8.533	6.049
100YR_168H	SMF-4	BASE	189.26	92.05	94.00	41221	0.00	0.73	8.533	6.109
100YR_168H	SMF-4	BASE	190.26	91.99	94.00	40937	0.00	0.71	8.533	6.169
100YR_168H	SMF-4	BASE	191.26	91.93	94.00	40665	0.00	0.70	8.533	6.227
100YR_168H	SMF-4	BASE	192.26	91.86	94.00	40397	0.00	0.69	8.533	6.285
100YR_168H	SMF-4	BASE	193.26	91.80	94.00	40132	0.00	0.67	8.533	6.341
100YR_168H	SMF-4	BASE	194.26	91.74	94.00	39871	0.00	0.66	8.533	6.396
100YR_168H	SMF-4	BASE	195.26	91.68	94.00	39614	0.00	0.65	8.533	6.450
100YR_168H	SMF-4	BASE	196.26	91.63	94.00	39360	0.00	0.63	8.533	6.503
100YR_168H	SMF-4	BASE	197.26	91.57	94.00	39110	0.00	0.62	8.533	6.554
100YR_168H	SMF-4	BASE	198.26	91.51	94.00	38863	0.00	0.61	8.533	6.605
100YR_168H	SMF-4	BASE	199.26	91.46	94.00	38621	0.00	0.59	8.533	6.655
100YR_168H	SMF-4	BASE	200.26	91.40	94.00	38382	0.00	0.58	8.533	6.703
100YR_168H	SMF-4	BASE	201.26	91.35	94.00	38147	0.00	0.57	8.533	6.750
100YR_168H	SMF-4	BASE	202.26	91.29	94.00	37916	0.00	0.55	8.533	6.797
100YR_168H	SMF-4	BASE	203.26	91.24	94.00	37688	0.00	0.54	8.533	6.842
100YR_168H	SMF-4	BASE	204.26	91.19	94.00	37465	0.00	0.53	8.533	6.886
100YR_168H	SMF-4	BASE	205.26	91.14	94.00	37246	0.00	0.52	8.533	6.929

Project: 17-0373 Legacy Park - Phase 2
SMF-4 Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_168H	SMF-4	BASE	310.26	89.49	94.00	30195	0.00	0.07	8.533	8.205
100YR_168H	SMF-4	BASE	311.26	89.48	94.00	30163	0.00	0.06	8.533	8.210
100YR_168H	SMF-4	BASE	312.26	89.48	94.00	30131	0.00	0.06	8.533	8.216
100YR_168H	SMF-4	BASE	313.26	89.47	94.00	30099	0.00	0.06	8.533	8.221
100YR_168H	SMF-4	BASE	314.26	89.46	94.00	30066	0.00	0.06	8.533	8.226
100YR_168H	SMF-4	BASE	315.26	89.45	94.00	30034	0.00	0.06	8.533	8.231
100YR_168H	SMF-4	BASE	316.26	89.45	94.00	30002	0.00	0.06	8.533	8.237
100YR_168H	SMF-4	BASE	317.26	89.44	94.00	29971	0.00	0.06	8.533	8.242
100YR_168H	SMF-4	BASE	318.26	89.43	94.00	29939	0.00	0.06	8.533	8.247
100YR_168H	SMF-4	BASE	319.26	89.42	94.00	29907	0.00	0.06	8.533	8.252
100YR_168H	SMF-4	BASE	320.26	89.42	94.00	29876	0.00	0.06	8.533	8.258
100YR_168H	SMF-4	BASE	321.26	89.41	94.00	29844	0.00	0.06	8.533	8.263
100YR_168H	SMF-4	BASE	322.26	89.40	94.00	29813	0.00	0.06	8.533	8.268
100YR_168H	SMF-4	BASE	323.26	89.39	94.00	29782	0.00	0.06	8.533	8.273
100YR_168H	SMF-4	BASE	324.26	89.39	94.00	29751	0.00	0.06	8.533	8.278
100YR_168H	SMF-4	BASE	325.26	89.38	94.00	29720	0.00	0.06	8.533	8.283
100YR_168H	SMF-4	BASE	326.26	89.37	94.00	29689	0.00	0.06	8.533	8.288
100YR_168H	SMF-4	BASE	327.26	89.36	94.00	29658	0.00	0.06	8.533	8.293
100YR_168H	SMF-4	BASE	328.26	89.36	94.00	29627	0.00	0.06	8.533	8.298
100YR_168H	SMF-4	BASE	329.26	89.35	94.00	29596	0.00	0.06	8.533	8.303
100YR_168H	SMF-4	BASE	330.26	89.34	94.00	29566	0.00	0.06	8.533	8.308
100YR_168H	SMF-4	BASE	331.26	89.33	94.00	29535	0.00	0.06	8.533	8.313
100YR_168H	SMF-4	BASE	332.26	89.33	94.00	29505	0.00	0.06	8.533	8.318
100YR_168H	SMF-4	BASE	333.26	89.32	94.00	29475	0.00	0.06	8.533	8.323
100YR_168H	SMF-4	BASE	334.26	89.31	94.00	29445	0.00	0.06	8.533	8.328
100YR_168H	SMF-4	BASE	335.26	89.30	94.00	29415	0.00	0.06	8.533	8.333
100YR_168H	SMF-4	BASE	336.26	89.30	94.00	29385	0.00	0.06	8.533	8.337
100YR_168H	SMF-4	BASE	340.26	89.27	94.00	29266	0.00	0.06	8.533	8.357
100YR_168H	SMF-4	BASE	344.26	89.24	94.00	29148	0.00	0.06	8.533	8.375
100YR_168H	SMF-4	BASE	348.26	89.21	94.00	29032	0.00	0.06	8.533	8.394
100YR_168H	SMF-4	BASE	352.26	89.19	94.00	28917	0.00	0.05	8.533	8.412
100YR_168H	SMF-4	BASE	356.26	89.16	94.00	28804	0.00	0.05	8.533	8.430
100YR_168H	SMF-4	BASE	360.26	89.13	94.00	28692	0.00	0.05	8.533	8.448
100YR_168H	SMF-4	BASE	364.26	89.11	94.00	28581	0.00	0.05	8.533	8.465
100YR_168H	SMF-4	BASE	368.26	89.08	94.00	28472	0.00	0.05	8.533	8.482
100YR_168H	SMF-4	BASE	372.26	89.05	94.00	28364	0.00	0.05	8.533	8.499
100YR_168H	SMF-4	BASE	376.26	89.03	94.00	28257	0.00	0.05	8.533	8.516
100YR_168H	SMF-4	BASE	380.26	89.00	94.00	28152	0.00	0.05	8.533	8.532
100YR_168H	SMF-4	BASE	384.26	89.00	94.00	28140	0.00	0.00	8.533	8.540
100YR_168H	SMF-4	BASE	388.26	89.00	94.00	28140	0.00	0.00	8.533	8.540
100YR_168H	SMF-4	BASE	392.26	89.00	94.00	28140	0.00	0.00	8.533	8.540
100YR_168H	SMF-4	BASE	396.26	89.00	94.00	28140	0.00	0.00	8.533	8.540
100YR_168H	SMF-4	BASE	400.26	89.00	94.00	28140	0.00	0.00	8.533	8.540
100YR_168H	SMF-4	BASE	404.26	89.00	94.00	28140	0.00	0.00	8.533	8.540
100YR_168H	SMF-4	BASE	408.26	89.00	94.00	28140	0.00	0.00	8.533	8.540
100YR_168H	SMF-4	BASE	412.26	89.00	94.00	28140	0.00	0.00	8.533	8.540
100YR_168H	SMF-4	BASE	416.26	89.00	94.00	28140	0.00	0.00	8.533	8.540
100YR_168H	SMF-4	BASE	420.26	89.00	94.00	28140	0.00	0.00	8.533	8.540
100YR_168H	SMF-4	BASE	424.26	89.00	94.00	28140	0.00	0.00	8.533	8.540
100YR_168H	SMF-4	BASE	428.26	89.00	94.00	28140	0.00	0.00	8.533	8.540
100YR_168H	SMF-4	BASE	432.26	89.00	94.00	28140	0.00	0.00	8.533	8.540
100YR_168H	SMF-4	BASE	436.26	89.00	94.00	28140	0.00	0.00	8.533	8.540

Project: 17-0373 Legacy Park - Phase 2
SMF-4 Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_240H	SMF-4	BASE	231.51	92.68	94.00	44069	0.35	0.85	10.219	7.181
100YR_240H	SMF-4	BASE	231.76	92.67	94.00	44023	0.35	0.85	10.227	7.198
100YR_240H	SMF-4	BASE	232.01	92.66	94.00	43978	0.35	0.84	10.234	7.216
100YR_240H	SMF-4	BASE	232.26	92.65	94.00	43933	0.37	0.84	10.241	7.233
100YR_240H	SMF-4	BASE	232.51	92.64	94.00	43889	0.38	0.84	10.249	7.251
100YR_240H	SMF-4	BASE	232.76	92.63	94.00	43847	0.38	0.84	10.257	7.268
100YR_240H	SMF-4	BASE	233.01	92.62	94.00	43804	0.38	0.84	10.265	7.285
100YR_240H	SMF-4	BASE	233.26	92.61	94.00	43762	0.38	0.83	10.273	7.302
100YR_240H	SMF-4	BASE	233.51	92.60	94.00	43720	0.38	0.83	10.280	7.320
100YR_240H	SMF-4	BASE	233.76	92.59	94.00	43677	0.38	0.83	10.288	7.337
100YR_240H	SMF-4	BASE	234.01	92.58	94.00	43636	0.38	0.83	10.296	7.354
100YR_240H	SMF-4	BASE	234.26	92.57	94.00	43594	0.38	0.83	10.304	7.371
100YR_240H	SMF-4	BASE	234.51	92.57	94.00	43552	0.38	0.82	10.312	7.388
100YR_240H	SMF-4	BASE	234.76	92.56	94.00	43511	0.38	0.82	10.320	7.405
100YR_240H	SMF-4	BASE	235.01	92.55	94.00	43469	0.38	0.82	10.328	7.422
100YR_240H	SMF-4	BASE	235.26	92.54	94.00	43428	0.38	0.82	10.335	7.439
100YR_240H	SMF-4	BASE	235.51	92.53	94.00	43387	0.38	0.82	10.343	7.456
100YR_240H	SMF-4	BASE	235.76	92.52	94.00	43346	0.38	0.81	10.351	7.473
100YR_240H	SMF-4	BASE	236.01	92.51	94.00	43305	0.38	0.81	10.359	7.490
100YR_240H	SMF-4	BASE	236.26	92.50	94.00	43265	0.38	0.81	10.367	7.506
100YR_240H	SMF-4	BASE	236.51	92.49	94.00	43224	0.38	0.81	10.375	7.523
100YR_240H	SMF-4	BASE	236.76	92.48	94.00	43184	0.38	0.81	10.383	7.540
100YR_240H	SMF-4	BASE	237.01	92.48	94.00	43144	0.38	0.81	10.390	7.556
100YR_240H	SMF-4	BASE	237.26	92.47	94.00	43104	0.38	0.80	10.398	7.573
100YR_240H	SMF-4	BASE	237.51	92.46	94.00	43064	0.38	0.80	10.406	7.590
100YR_240H	SMF-4	BASE	237.76	92.45	94.00	43024	0.38	0.80	10.414	7.606
100YR_240H	SMF-4	BASE	238.01	92.44	94.00	42984	0.38	0.80	10.422	7.623
100YR_240H	SMF-4	BASE	238.26	92.43	94.00	42945	0.38	0.80	10.430	7.639
100YR_240H	SMF-4	BASE	238.51	92.42	94.00	42905	0.38	0.79	10.438	7.656
100YR_240H	SMF-4	BASE	238.76	92.41	94.00	42866	0.38	0.79	10.446	7.672
100YR_240H	SMF-4	BASE	239.01	92.41	94.00	42827	0.38	0.79	10.453	7.688
100YR_240H	SMF-4	BASE	239.26	92.40	94.00	42788	0.38	0.79	10.461	7.705
100YR_240H	SMF-4	BASE	239.51	92.39	94.00	42749	0.38	0.79	10.469	7.721
100YR_240H	SMF-4	BASE	239.76	92.38	94.00	42711	0.38	0.79	10.477	7.737
100YR_240H	SMF-4	BASE	240.01	92.37	94.00	42672	0.38	0.78	10.485	7.754
100YR_240H	SMF-4	BASE	240.26	92.36	94.00	42624	0.14	0.78	10.490	7.770
100YR_240H	SMF-4	BASE	241.26	92.30	94.00	42334	0.00	0.76	10.496	7.833
100YR_240H	SMF-4	BASE	242.26	92.23	94.00	42044	0.00	0.74	10.496	7.896
100YR_240H	SMF-4	BASE	243.26	92.17	94.00	41757	0.00	0.73	10.496	7.957
100YR_240H	SMF-4	BASE	244.26	92.11	94.00	41474	0.00	0.72	10.496	8.016
100YR_240H	SMF-4	BASE	245.26	92.05	94.00	41194	0.00	0.70	10.496	8.075
100YR_240H	SMF-4	BASE	246.26	91.98	94.00	40921	0.00	0.69	10.496	8.132
100YR_240H	SMF-4	BASE	247.26	91.92	94.00	40659	0.00	0.67	10.496	8.188
100YR_240H	SMF-4	BASE	248.26	91.86	94.00	40401	0.00	0.66	10.496	8.244
100YR_240H	SMF-4	BASE	249.26	91.81	94.00	40145	0.00	0.65	10.496	8.298
100YR_240H	SMF-4	BASE	250.26	91.75	94.00	39894	0.00	0.64	10.496	8.351
100YR_240H	SMF-4	BASE	251.26	91.69	94.00	39645	0.00	0.62	10.496	8.403
100YR_240H	SMF-4	BASE	252.26	91.64	94.00	39401	0.00	0.61	10.496	8.454
100YR_240H	SMF-4	BASE	253.26	91.58	94.00	39159	0.00	0.60	10.496	8.504
100YR_240H	SMF-4	BASE	254.26	91.53	94.00	38921	0.00	0.59	10.496	8.553
100YR_240H	SMF-4	BASE	255.26	91.47	94.00	38687	0.00	0.57	10.496	8.601
100YR_240H	SMF-4	BASE	256.26	91.42	94.00	38456	0.00	0.56	10.496	8.648

Project: 17-0373 Legacy Park - Phase 2
SMF-4 Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR_240H	SMF-4	BASE	428.26	89.17	94.00	28851	0.00	0.05	10.496	10.382
100YR_240H	SMF-4	BASE	432.26	89.15	94.00	28751	0.00	0.05	10.496	10.398
100YR_240H	SMF-4	BASE	436.26	89.12	94.00	28652	0.00	0.05	10.496	10.414
100YR_240H	SMF-4	BASE	440.26	89.10	94.00	28555	0.00	0.05	10.496	10.429
100YR_240H	SMF-4	BASE	444.26	89.08	94.00	28458	0.00	0.05	10.496	10.444
100YR_240H	SMF-4	BASE	448.26	89.05	94.00	28363	0.00	0.04	10.496	10.459
100YR_240H	SMF-4	BASE	452.26	89.03	94.00	28268	0.00	0.04	10.496	10.474
100YR_240H	SMF-4	BASE	456.26	89.01	94.00	28175	0.00	0.04	10.496	10.488
100YR_240H	SMF-4	BASE	460.26	89.00	94.00	28140	0.00	0.00	10.496	10.495
100YR_240H	SMF-4	BASE	464.26	89.00	94.00	28140	0.00	0.00	10.496	10.495
100YR_240H	SMF-4	BASE	468.26	89.00	94.00	28140	0.00	0.00	10.496	10.495
100YR_240H	SMF-4	BASE	472.26	89.00	94.00	28140	0.00	0.00	10.496	10.495
100YR_240H	SMF-4	BASE	476.26	89.00	94.00	28140	0.00	0.00	10.496	10.495
100YR_240H	SMF-4	BASE	480.26	89.00	94.00	28140	0.00	0.00	10.496	10.495
100YR_240H	SMF-4	BASE	484.26	89.00	94.00	28140	0.00	0.00	10.496	10.495
100YR_240H	SMF-4	BASE	488.26	89.00	94.00	28140	0.00	0.00	10.496	10.495
100YR_240H	SMF-4	BASE	492.26	89.00	94.00	28140	0.00	0.00	10.496	10.495
100YR_240H	SMF-4	BASE	496.26	89.00	94.00	28140	0.00	0.00	10.496	10.495
100YR_240H	SMF-4	BASE	500.26	89.00	94.00	28140	0.00	0.00	10.496	10.495
100YR_240H	SMF-4	BASE	504.26	89.00	94.00	28140	0.00	0.00	10.496	10.495
100YR_240H	SMF-4	BASE	508.26	89.00	94.00	28140	0.00	0.00	10.496	10.495
100YR_240H	SMF-4	BASE	512.26	89.00	94.00	28140	0.00	0.00	10.496	10.495
100YR_240H	SMF-4	BASE	516.26	89.00	94.00	28140	0.00	0.00	10.496	10.495
100YR_240H	SMF-4	BASE	520.26	89.00	94.00	28140	0.00	0.00	10.496	10.495
100YR_240H	SMF-4	BASE	524.26	89.00	94.00	28140	0.00	0.00	10.496	10.495
100YR_240H	SMF-4	BASE	528.26	89.00	94.00	28140	0.00	0.00	10.496	10.495
100YR_240H	SMF-4	BASE	532.26	89.00	94.00	28140	0.00	0.00	10.496	10.495
100YR_240H	SMF-4	BASE	536.26	89.00	94.00	28140	0.00	0.00	10.496	10.495
100YR_240H	SMF-4	BASE	540.26	89.00	94.00	28140	0.00	0.00	10.496	10.495
100YR_240H	SMF-4	BASE	544.26	89.00	94.00	28140	0.00	0.00	10.496	10.495
100YR_240H	SMF-4	BASE	548.26	89.00	94.00	28140	0.00	0.00	10.496	10.495
100YR_240H	SMF-4	BASE	552.26	89.00	94.00	28140	0.00	0.00	10.496	10.495
100YR_240H	SMF-4	BASE	556.26	89.00	94.00	28140	0.00	0.00	10.496	10.495
100YR_240H	SMF-4	BASE	560.26	89.00	94.00	28140	0.00	0.00	10.496	10.495
100YR_240H	SMF-4	BASE	564.26	89.00	94.00	28140	0.00	0.00	10.496	10.495
100YR_240H	SMF-4	BASE	568.26	89.00	94.00	28140	0.00	0.00	10.496	10.495
100YR_240H	SMF-4	BASE	572.26	89.00	94.00	28140	0.00	0.00	10.496	10.495
100YR_240H	SMF-4	BASE	576.26	89.00	94.00	28140	0.00	0.00	10.496	10.495
100YR_240H	SMF-4	BASE	580.26	89.00	94.00	28140	0.00	0.00	10.496	10.495
100YR_240H	SMF-4	BASE	584.26	89.00	94.00	28140	0.00	0.00	10.496	10.495
100YR_240H	SMF-4	BASE	588.26	89.00	94.00	28140	0.00	0.00	10.496	10.495
100YR_240H	SMF-4	BASE	592.26	89.00	94.00	28140	0.00	0.00	10.496	10.495
100YR_240H	SMF-4	BASE	596.26	89.00	94.00	28140	0.00	0.00	10.496	10.495
100YR_240H	SMF-4	BASE	600.26	89.00	94.00	28140	0.00	0.00	10.496	10.495
100YR_240H	SMF-4	BASE	604.26	89.00	94.00	28140	0.00	0.00	10.496	10.495
100YR_240H	SMF-4	BASE	608.26	89.00	94.00	28140	0.00	0.00	10.496	10.495
100YR_240H	SMF-4	BASE	612.26	89.00	94.00	28140	0.00	0.00	10.496	10.495
100YR_240H	SMF-4	BASE	616.26	89.00	94.00	28140	0.00	0.00	10.496	10.495
100YR_240H	SMF-4	BASE	620.26	89.00	94.00	28140	0.00	0.00	10.496	10.495
100YR_240H	SMF-4	BASE	624.26	89.00	94.00	28140	0.00	0.00	10.496	10.495
100YR_240H	SMF-4	BASE	628.26	89.00	94.00	28140	0.00	0.00	10.496	10.495
100YR_240H	SMF-4	BASE	632.26	89.00	94.00	28140	0.00	0.00	10.496	10.495

Section 2

WQTV Results

Project: 17-0373 Legacy Park - Phase 2
WQTV Inputs

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Basins
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Name: POST WSHD 2A	Node: SMF-1	Status: Onsite
Group: BASE	Type: SCS Unit Hydrograph CN	
Unit Hydrograph: Uh484	Peaking Factor: 484.0	
Rainfall File:	Storm Duration(hrs): 0.00	
Rainfall Amount(in): 0.000	Time of Conc(min): 18.00	
Area(ac): 16.970	Time Shift(hrs): 0.00	
Curve Number: 53.00	Max Allowable Q(cfs): 999999.000	
DCIA(%): 0.00		

Name: Post WSHD 2B	Node: SMF-4	Status: Onsite
Group: BASE	Type: SCS Unit Hydrograph CN	
Unit Hydrograph: Uh484	Peaking Factor: 484.0	
Rainfall File:	Storm Duration(hrs): 0.00	
Rainfall Amount(in): 0.000	Time of Conc(min): 17.00	
Area(ac): 15.310	Time Shift(hrs): 0.00	
Curve Number: 43.00	Max Allowable Q(cfs): 999999.000	
DCIA(%): 0.00		

Name: POST WSHD 3C	Node: SMF-3	Status: Onsite
Group: BASE	Type: SCS Unit Hydrograph CN	
Unit Hydrograph: Uh484	Peaking Factor: 484.0	
Rainfall File:	Storm Duration(hrs): 0.00	
Rainfall Amount(in): 0.000	Time of Conc(min): 6.00	
Area(ac): 11.410	Time Shift(hrs): 0.00	
Curve Number: 61.00	Max Allowable Q(cfs): 999999.000	
DCIA(%): 0.00		

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Nodes
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Name: GWSINK	Base Flow(cfs): 0.000	Init Stage(ft): 0.000
Group: BASE		Warn Stage(ft): 1.000
Type: Time/Stage		

Time(hrs)	Stage(ft)
0.00	0.000
9999.00	0.000

Name: SMF-1	Base Flow(cfs): 0.000	Init Stage(ft): 90.870
Group: BASE		Warn Stage(ft): 95.500
Type: Stage/Area		

Stage(ft)	Area(ac)
90.000	0.8230
91.000	0.8940
92.000	0.9670
93.000	1.0430
94.000	1.1210
95.000	1.2010
96.000	1.2830

Project: 17-0373 Legacy Park - Phase 2
WQTV Inputs

96.500 1.3940

Name: SMF-3 Base Flow(cfs): 0.000 Init Stage(ft): 88.810
Group: BASE Warn Stage(ft): 91.500
Type: Stage/Area

Stage(ft)	Area(ac)
88.000	0.7820
89.000	0.8560
90.000	0.9320
91.000	1.0110
92.000	1.0790
92.500	1.2040

Name: SMF-4 Base Flow(cfs): 0.000 Init Stage(ft): 89.900
Group: BASE Warn Stage(ft): 95.000
Type: Stage/Area

Stage(ft)	Area(ac)
89.000	0.6460
90.000	0.7420
91.000	0.8410
92.000	0.9410
93.000	1.0450
94.000	1.1500
95.000	1.2580

==== Percolation Links =====

Name: PERC1 From Node: SMF-1 Flow: Both
Group: BASE To Node: GWSINK Count: 1

Surface Area Option: Vary based on Stage/Area Table
Vertical Flow Termination: Horizontal Flow Algorithm
Aquifer Base Elev(ft): 81.000 Perimeter 1(ft): 917.000
Water Table Elev(ft): 81.500 Perimeter 2(ft): 1231.000
*****0.000 Perimeter 3(ft): 2431.000
Horiz Conductivity(ft/day): 10.000 Distance 1 to 2(ft): 50.000
Vert Conductivity(ft/day): 7.000 Distance 2 to 3(ft): 450.000
Effective Porosity(dec): 0.250 Num Cells 1 to 2: 10
Suction Head(in): 4.170 Num Cells 2 to 3: 45
Layer Thickness(ft): 8.500

Name: PERC3 From Node: SMF-3 Flow: Both
Group: BASE To Node: GWSINK Count: 1

Surface Area Option: Vary based on Stage/Area Table
Vertical Flow Termination: Horizontal Flow Algorithm
Aquifer Base Elev(ft): 82.500 Perimeter 1(ft): 828.000
Water Table Elev(ft): 83.000 Perimeter 2(ft): 1142.000
*****0.000 Perimeter 3(ft): 2818.000
Horiz Conductivity(ft/day): 8.500 Distance 1 to 2(ft): 50.000
Vert Conductivity(ft/day): 5.500 Distance 2 to 3(ft): 450.000
Effective Porosity(dec): 0.200 Num Cells 1 to 2: 10
Suction Head(in): 4.170 Num Cells 2 to 3: 45
Layer Thickness(ft): 5.000

Project: 17-0373 Legacy Park - Phase 2
WQTV Inputs

Name: PERC4 From Node: SMF-4 Flow: Both
Group: BASE To Node: GWSINK Count: 1

Surface Area Option: Vary based on Stage/Area Table
Vertical Flow Termination: Horizontal Flow Algorithm
Aquifer Base Elev(ft): 80.000 Perimeter 1(ft): 1185.000
Water Table Elev(ft): 80.000 Perimeter 2(ft): 1500.000
*****0.000 Perimeter 3(ft): 1886.000
Horiz Conductivity(ft/day): 6.500 Distance 1 to 2(ft): 50.000
Vert Conductivity(ft/day): 4.250 Distance 2 to 3(ft): 450.000
Effective Porosity(dec): 0.250 Num Cells 1 to 2: 10
Suction Head(in): 4.170 Num Cells 2 to 3: 45
Layer Thickness(ft): 10.000

==== Hydrology Simulations =====

Name: WQTV
Filename: L:\2015\15-0451\Engineering\Drainage\2_Calculations\ICPR\WQTV.R32

Override Defaults: Yes
Storm Duration(hrs): 1.00
Rainfall File: Fdot-1
Rainfall Amount(in): 0.00

Time(hrs)	Print Inc(min)
30.000	5.00

==== Routing Simulations =====

Name: WQTV Hydrology Sim: WQTV
Filename: L:\2015\15-0451\Engineering\Drainage\2_Calculations\ICPR\WQTV.I32

Execute: Yes Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00	Delta Z Factor: 0.00500
Time Step Optimizer: 10.000	
Start Time(hrs): 0.000	End Time(hrs): 72.00
Min Calc Time(sec): 0.5000	Max Calc Time(sec): 60.0000
Boundary Stages:	Boundary Flows:

Time(hrs)	Print Inc(min)
72.000	15.000

Group	Run
BASE	Yes

Project: 17-0373 Legacy Park - Phase 2
SMF-1 WQTV Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	SMF-1	BASE	0.00	90.87	95.50	38541	0.00	0.00	0.000	0.000
WQTV	SMF-1	BASE	0.26	90.80	95.50	38309	0.00	3.10	0.000	0.033
WQTV	SMF-1	BASE	0.50	90.72	95.50	38091	0.00	3.09	0.000	0.095
WQTV	SMF-1	BASE	0.75	90.65	95.50	37864	0.00	3.07	0.000	0.159
WQTV	SMF-1	BASE	1.01	90.58	95.50	37637	0.00	3.05	0.000	0.223
WQTV	SMF-1	BASE	1.26	90.50	95.50	37409	0.00	3.03	0.000	0.286
WQTV	SMF-1	BASE	1.51	90.43	95.50	37182	0.00	3.01	0.000	0.349
WQTV	SMF-1	BASE	1.75	90.36	95.50	36964	0.00	2.99	0.000	0.409
WQTV	SMF-1	BASE	2.00	90.29	95.50	36737	0.00	2.98	0.000	0.471
WQTV	SMF-1	BASE	2.26	90.21	95.50	36509	0.00	2.96	0.000	0.533
WQTV	SMF-1	BASE	2.51	90.14	95.50	36282	0.00	2.94	0.000	0.595
WQTV	SMF-1	BASE	2.76	90.07	95.50	36054	0.00	2.92	0.000	0.656
WQTV	SMF-1	BASE	3.00	90.00	95.50	35850	0.00	0.00	0.000	0.685
WQTV	SMF-1	BASE	3.25	90.00	95.50	35850	0.00	0.00	0.000	0.685
WQTV	SMF-1	BASE	3.50	90.00	95.50	35850	0.00	0.00	0.000	0.685
WQTV	SMF-1	BASE	3.76	90.00	95.50	35850	0.00	0.00	0.000	0.685
WQTV	SMF-1	BASE	4.00	90.00	95.50	35850	0.00	0.00	0.000	0.685
WQTV	SMF-1	BASE	4.26	90.00	95.50	35850	0.00	0.00	0.000	0.685
WQTV	SMF-1	BASE	4.51	90.00	95.50	35850	0.00	0.00	0.000	0.685
WQTV	SMF-1	BASE	4.76	90.00	95.50	35850	0.00	0.00	0.000	0.685
WQTV	SMF-1	BASE	5.00	90.00	95.50	35850	0.00	0.00	0.000	0.685
WQTV	SMF-1	BASE	5.27	90.00	95.50	35850	0.00	0.00	0.000	0.685
WQTV	SMF-1	BASE	5.52	90.00	95.50	35850	0.00	0.00	0.000	0.685
WQTV	SMF-1	BASE	5.77	90.00	95.50	35850	0.00	0.00	0.000	0.685
WQTV	SMF-1	BASE	6.02	90.00	95.50	35850	0.00	0.00	0.000	0.685
WQTV	SMF-1	BASE	6.27	90.00	95.50	35850	0.00	0.00	0.000	0.685
WQTV	SMF-1	BASE	6.52	90.00	95.50	35850	0.00	0.00	0.000	0.685
WQTV	SMF-1	BASE	6.77	90.00	95.50	35850	0.00	0.00	0.000	0.685
WQTV	SMF-1	BASE	7.02	90.00	95.50	35850	0.00	0.00	0.000	0.685
WQTV	SMF-1	BASE	7.27	90.00	95.50	35850	0.00	0.00	0.000	0.685
WQTV	SMF-1	BASE	7.52	90.00	95.50	35850	0.00	0.00	0.000	0.685
WQTV	SMF-1	BASE	7.77	90.00	95.50	35850	0.00	0.00	0.000	0.685
WQTV	SMF-1	BASE	8.02	90.00	95.50	35850	0.00	0.00	0.000	0.685
WQTV	SMF-1	BASE	8.27	90.00	95.50	35850	0.00	0.00	0.000	0.685
WQTV	SMF-1	BASE	8.52	90.00	95.50	35850	0.00	0.00	0.000	0.685
WQTV	SMF-1	BASE	8.77	90.00	95.50	35850	0.00	0.00	0.000	0.685
WQTV	SMF-1	BASE	9.02	90.00	95.50	35850	0.00	0.00	0.000	0.685
WQTV	SMF-1	BASE	9.27	90.00	95.50	35850	0.00	0.00	0.000	0.685
WQTV	SMF-1	BASE	9.52	90.00	95.50	35850	0.00	0.00	0.000	0.685
WQTV	SMF-1	BASE	9.77	90.00	95.50	35850	0.00	0.00	0.000	0.685
WQTV	SMF-1	BASE	10.02	90.00	95.50	35850	0.00	0.00	0.000	0.685
WQTV	SMF-1	BASE	10.27	90.00	95.50	35850	0.00	0.00	0.000	0.685
WQTV	SMF-1	BASE	10.52	90.00	95.50	35850	0.00	0.00	0.000	0.685
WQTV	SMF-1	BASE	10.77	90.00	95.50	35850	0.00	0.00	0.000	0.685
WQTV	SMF-1	BASE	11.02	90.00	95.50	35850	0.00	0.00	0.000	0.685
WQTV	SMF-1	BASE	11.27	90.00	95.50	35850	0.00	0.00	0.000	0.685
WQTV	SMF-1	BASE	11.52	90.00	95.50	35850	0.00	0.00	0.000	0.685
WQTV	SMF-1	BASE	11.77	90.00	95.50	35850	0.00	0.00	0.000	0.685
WQTV	SMF-1	BASE	12.02	90.00	95.50	35850	0.00	0.00	0.000	0.685
WQTV	SMF-1	BASE	12.27	90.00	95.50	35850	0.00	0.00	0.000	0.685

Project: 17-0373 Legacy Park - Phase 2
SMF-3 WQTV Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	SMF-3	BASE	0.00	88.81	91.50	36675	0.00	0.00	0.000	0.000
WQTV	SMF-3	BASE	0.26	88.75	91.50	36486	0.00	2.32	0.000	0.025
WQTV	SMF-3	BASE	0.50	88.70	91.50	36307	0.00	2.31	0.000	0.071
WQTV	SMF-3	BASE	0.75	88.64	91.50	36121	0.00	2.30	0.000	0.119
WQTV	SMF-3	BASE	1.01	88.58	91.50	35935	0.00	2.29	0.000	0.167
WQTV	SMF-3	BASE	1.26	88.52	91.50	35748	0.00	2.28	0.000	0.215
WQTV	SMF-3	BASE	1.51	88.46	91.50	35562	0.00	2.26	0.000	0.262
WQTV	SMF-3	BASE	1.75	88.41	91.50	35384	0.00	2.25	0.000	0.307
WQTV	SMF-3	BASE	2.00	88.35	91.50	35198	0.00	2.24	0.000	0.354
WQTV	SMF-3	BASE	2.26	88.29	91.50	35011	0.00	2.23	0.000	0.400
WQTV	SMF-3	BASE	2.51	88.24	91.50	34825	0.00	2.22	0.000	0.447
WQTV	SMF-3	BASE	2.76	88.18	91.50	34639	0.00	2.21	0.000	0.493
WQTV	SMF-3	BASE	3.00	88.12	91.50	34460	0.00	2.19	0.000	0.537
WQTV	SMF-3	BASE	3.25	88.07	91.50	34274	0.00	2.18	0.000	0.582
WQTV	SMF-3	BASE	3.50	88.01	91.50	34090	0.00	2.17	0.000	0.627
WQTV	SMF-3	BASE	3.76	88.00	91.50	34064	0.00	0.00	0.000	0.650
WQTV	SMF-3	BASE	4.00	88.00	91.50	34064	0.00	0.00	0.000	0.650
WQTV	SMF-3	BASE	4.26	88.00	91.50	34064	0.00	0.00	0.000	0.650
WQTV	SMF-3	BASE	4.51	88.00	91.50	34064	0.00	0.00	0.000	0.650
WQTV	SMF-3	BASE	4.76	88.00	91.50	34064	0.00	0.00	0.000	0.650
WQTV	SMF-3	BASE	5.00	88.00	91.50	34064	0.00	0.00	0.000	0.650
WQTV	SMF-3	BASE	5.27	88.00	91.50	34064	0.00	0.00	0.000	0.650
WQTV	SMF-3	BASE	5.52	88.00	91.50	34064	0.00	0.00	0.000	0.650
WQTV	SMF-3	BASE	5.77	88.00	91.50	34064	0.00	0.00	0.000	0.650
WQTV	SMF-3	BASE	6.02	88.00	91.50	34064	0.00	0.00	0.000	0.650
WQTV	SMF-3	BASE	6.27	88.00	91.50	34064	0.00	0.00	0.000	0.650
WQTV	SMF-3	BASE	6.52	88.00	91.50	34064	0.00	0.00	0.000	0.650
WQTV	SMF-3	BASE	6.77	88.00	91.50	34064	0.00	0.00	0.000	0.650
WQTV	SMF-3	BASE	7.02	88.00	91.50	34064	0.00	0.00	0.000	0.650
WQTV	SMF-3	BASE	7.27	88.00	91.50	34064	0.00	0.00	0.000	0.650
WQTV	SMF-3	BASE	7.52	88.00	91.50	34064	0.00	0.00	0.000	0.650
WQTV	SMF-3	BASE	7.77	88.00	91.50	34064	0.00	0.00	0.000	0.650
WQTV	SMF-3	BASE	8.02	88.00	91.50	34064	0.00	0.00	0.000	0.650
WQTV	SMF-3	BASE	8.27	88.00	91.50	34064	0.00	0.00	0.000	0.650
WQTV	SMF-3	BASE	8.52	88.00	91.50	34064	0.00	0.00	0.000	0.650
WQTV	SMF-3	BASE	8.77	88.00	91.50	34064	0.00	0.00	0.000	0.650
WQTV	SMF-3	BASE	9.02	88.00	91.50	34064	0.00	0.00	0.000	0.650
WQTV	SMF-3	BASE	9.27	88.00	91.50	34064	0.00	0.00	0.000	0.650
WQTV	SMF-3	BASE	9.52	88.00	91.50	34064	0.00	0.00	0.000	0.650
WQTV	SMF-3	BASE	9.77	88.00	91.50	34064	0.00	0.00	0.000	0.650
WQTV	SMF-3	BASE	10.02	88.00	91.50	34064	0.00	0.00	0.000	0.650
WQTV	SMF-3	BASE	10.27	88.00	91.50	34064	0.00	0.00	0.000	0.650
WQTV	SMF-3	BASE	10.52	88.00	91.50	34064	0.00	0.00	0.000	0.650
WQTV	SMF-3	BASE	10.77	88.00	91.50	34064	0.00	0.00	0.000	0.650
WQTV	SMF-3	BASE	11.02	88.00	91.50	34064	0.00	0.00	0.000	0.650
WQTV	SMF-3	BASE	11.27	88.00	91.50	34064	0.00	0.00	0.000	0.650
WQTV	SMF-3	BASE	11.52	88.00	91.50	34064	0.00	0.00	0.000	0.650
WQTV	SMF-3	BASE	11.77	88.00	91.50	34064	0.00	0.00	0.000	0.650
WQTV	SMF-3	BASE	12.02	88.00	91.50	34064	0.00	0.00	0.000	0.650
WQTV	SMF-3	BASE	12.27	88.00	91.50	34064	0.00	0.00	0.000	0.650

Project: 17-0373 Legacy Park - Phase 2
SMF-4 WQTV Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	SMF-4	BASE	0.00	89.90	95.00	31903	0.00	0.00	0.000	0.000
WQTV	SMF-4	BASE	0.26	89.85	95.00	31714	0.00	1.56	0.000	0.017
WQTV	SMF-4	BASE	0.50	89.81	95.00	31535	0.00	1.55	0.000	0.048
WQTV	SMF-4	BASE	0.75	89.77	95.00	31348	0.00	1.54	0.000	0.080
WQTV	SMF-4	BASE	1.01	89.72	95.00	31161	0.00	1.53	0.000	0.112
WQTV	SMF-4	BASE	1.26	89.68	95.00	30975	0.00	1.52	0.000	0.144
WQTV	SMF-4	BASE	1.51	89.63	95.00	30788	0.00	1.51	0.000	0.176
WQTV	SMF-4	BASE	1.75	89.59	95.00	30609	0.00	1.51	0.000	0.206
WQTV	SMF-4	BASE	2.00	89.55	95.00	30422	0.00	1.50	0.000	0.237
WQTV	SMF-4	BASE	2.26	89.50	95.00	30236	0.00	1.49	0.000	0.268
WQTV	SMF-4	BASE	2.51	89.46	95.00	30049	0.00	1.48	0.000	0.299
WQTV	SMF-4	BASE	2.76	89.41	95.00	29862	0.00	1.47	0.000	0.330
WQTV	SMF-4	BASE	3.00	89.37	95.00	29683	0.00	1.46	0.000	0.359
WQTV	SMF-4	BASE	3.26	89.32	95.00	29495	0.00	1.45	0.000	0.390
WQTV	SMF-4	BASE	3.51	89.28	95.00	29310	0.00	1.44	0.000	0.419
WQTV	SMF-4	BASE	3.75	89.24	95.00	29128	0.00	1.43	0.000	0.449
WQTV	SMF-4	BASE	4.01	89.19	95.00	28933	0.00	1.42	0.000	0.480
WQTV	SMF-4	BASE	4.26	89.15	95.00	28751	0.00	1.41	0.000	0.508
WQTV	SMF-4	BASE	4.51	89.10	95.00	28569	0.00	1.41	0.000	0.537
WQTV	SMF-4	BASE	4.75	89.06	95.00	28387	0.00	1.40	0.000	0.566
WQTV	SMF-4	BASE	5.02	89.01	95.00	28192	0.00	1.39	0.000	0.596
WQTV	SMF-4	BASE	5.26	89.00	95.00	28140	0.00	0.00	0.000	0.610
WQTV	SMF-4	BASE	5.51	89.00	95.00	28140	0.00	0.00	0.000	0.610
WQTV	SMF-4	BASE	5.76	89.00	95.00	28140	0.00	0.00	0.000	0.610
WQTV	SMF-4	BASE	6.01	89.00	95.00	28140	0.00	0.00	0.000	0.610
WQTV	SMF-4	BASE	6.26	89.00	95.00	28140	0.00	0.00	0.000	0.610
WQTV	SMF-4	BASE	6.51	89.00	95.00	28140	0.00	0.00	0.000	0.610
WQTV	SMF-4	BASE	6.76	89.00	95.00	28140	0.00	0.00	0.000	0.610
WQTV	SMF-4	BASE	7.01	89.00	95.00	28140	0.00	0.00	0.000	0.610
WQTV	SMF-4	BASE	7.26	89.00	95.00	28140	0.00	0.00	0.000	0.610
WQTV	SMF-4	BASE	7.51	89.00	95.00	28140	0.00	0.00	0.000	0.610
WQTV	SMF-4	BASE	7.76	89.00	95.00	28140	0.00	0.00	0.000	0.610
WQTV	SMF-4	BASE	8.01	89.00	95.00	28140	0.00	0.00	0.000	0.610
WQTV	SMF-4	BASE	8.26	89.00	95.00	28140	0.00	0.00	0.000	0.610
WQTV	SMF-4	BASE	8.51	89.00	95.00	28140	0.00	0.00	0.000	0.610
WQTV	SMF-4	BASE	8.76	89.00	95.00	28140	0.00	0.00	0.000	0.610
WQTV	SMF-4	BASE	9.01	89.00	95.00	28140	0.00	0.00	0.000	0.610
WQTV	SMF-4	BASE	9.26	89.00	95.00	28140	0.00	0.00	0.000	0.610
WQTV	SMF-4	BASE	9.51	89.00	95.00	28140	0.00	0.00	0.000	0.610
WQTV	SMF-4	BASE	9.76	89.00	95.00	28140	0.00	0.00	0.000	0.610
WQTV	SMF-4	BASE	10.01	89.00	95.00	28140	0.00	0.00	0.000	0.610
WQTV	SMF-4	BASE	10.26	89.00	95.00	28140	0.00	0.00	0.000	0.610
WQTV	SMF-4	BASE	10.51	89.00	95.00	28140	0.00	0.00	0.000	0.610
WQTV	SMF-4	BASE	10.76	89.00	95.00	28140	0.00	0.00	0.000	0.610
WQTV	SMF-4	BASE	11.01	89.00	95.00	28140	0.00	0.00	0.000	0.610
WQTV	SMF-4	BASE	11.26	89.00	95.00	28140	0.00	0.00	0.000	0.610
WQTV	SMF-4	BASE	11.51	89.00	95.00	28140	0.00	0.00	0.000	0.610
WQTV	SMF-4	BASE	11.76	89.00	95.00	28140	0.00	0.00	0.000	0.610
WQTV	SMF-4	BASE	12.01	89.00	95.00	28140	0.00	0.00	0.000	0.610
WQTV	SMF-4	BASE	12.26	89.00	95.00	28140	0.00	0.00	0.000	0.610

Appendix B

Operation and Maintenance Requirements and
Erosion and Sedimentation Control Requirements

Operation and Maintenance Requirements

Proposed operation and maintenance and soil erosion and sediment control practices are outlined in the following paragraphs.

Stormwater Management Facilities

The man-made stormwater management facilities shall be maintained free of sediments and debris. Areas shall be inspected on a routine basis and nuisance plants shall be removed a minimum of twice annually. Grassed areas shall be mowed a minimum of 6 times per year. The natural systems shall be least disturbed as possible. Minimal maintenance is required for the natural and undisturbed areas. All basins shall be inspected monthly. Monthly documentation shall be noted based upon the inspection findings.

Erosion Control

All erosion damage at spillways, outfall structures, and along basin side slopes shall be repaired (grading and grassing) as conditions occur. All side slopes and other areas disturbed by construction shall be stabilized by sodding, hydro-mulching or other appropriate vegetative or non-vegetative erosion control measures.

Swale/Ditch

All swales, if any, shall be maintained free of debris and sediment. Sediments shall be removed when the depth has been reduced by 20 percent. Sediments removed from swales/ditches should be evenly spread over grassed areas away from the stormwater management facilities.

Culverts, Pipes and Structures

All pipes, if any, shall be inspected bi-annually. Culverts and pipes shall be maintained free of debris and sediment. Sediments removed from culverts and pipes should be evenly spread over grassed areas away from the stormwater management facilities.

The structures and paved flow lines, if any, shall be maintained clear of debris. Remove any debris and silt collected in inlets and pipes as routine inspections dictates.

Underdrains

All underdrains shall be inspected annually. Filter beds shall be maintained free of debris and sediment. Grass clippings shall be removed from the area after cutting and sod shall not be placed over filter material. Place stone or gravel over the filter material for stabilization, if necessary.

Inspection Reporting

Annual inspection reports, prepared by a properly licensed professional engineer, should be submitted to the water management district. The engineer shall inspect the site and report on the status and function of the system. Noted deficiencies and/or maintenance requirements shall be reported to the owner with recommendations for repairs. Repairs shall be executed.

Limerock/Sinkhole

If continuous limerock is encountered during excavation of the swales/basin or if a sinkhole forms in the area of a drainage swale/basin the engineer of record shall be notified by either the contractor or the established operation and maintenance entity. The engineer of record shall inspect the repaired area upon completion of the repair.

Where continuous limerock is encountered during excavation of the swales/basins, the limerock shall be over excavated by 2 feet and replaced with clayey soils that extend 2 feet beyond the perimeter of the limerock outcropping. The clayey soil shall have at least 20% passing the no. 200 sieve, compacted to 95% of standard proctor, and compacted in a wet condition with moisture 2% - 4% above optimum.

All swales/basins shall be inspected monthly for sinkhole occurrence. Should a sinkhole occur, the area shall be repaired as soon as possible. Repair shall include filling (limerock such as road base material, clay/sand mixture, or concrete if necessary). A 2-foot deep cap that extends 2 feet beyond the perimeter of the sinkhole shall be constructed with clayey soils. The clayey soil shall have at least 20% passing the no. 200 sieve, compacted to 95% of standard proctor, and compacted in a wet condition with moisture 2% - 4% above optimum. The clay soil cap shall be re-graded to prevent concentration of waters (ponding) and re-vegetated.

Operation & Maintenance Entity:

City of Alachua
P.O. Box 9
Alachua, FL 32616

Appendix C

Geotechnical Report



Engineering & Consulting, Inc.

**SUMMARY REPORT OF A
GEOTECHNICAL SITE EXPLORATION
LEGACY PARK PHASE 2**

ALACHUA, ALACHUA COUNTY, FLORIDA

GSE PROJECT NO. 12624C

**PREPARED FOR:
CITY OF ALACHUA
MARCH 2018**

Certificate of Authorization No. 27430



Engineering & Consulting, Inc.

March 29, 2018

Mr. Adam Boukari, Assistant City Manager
City of Alachua
15100 NW 142nd Terrace
Alachua, FL 32615

Subject: Summary Report of a Geotechnical Site Exploration
Legacy Park Phase 2
Alachua, Alachua County, Florida
GSE Project No. 12624C

Dear Mr. Boukari:

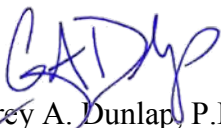
GSE Engineering & Consulting, Inc. (GSE) is pleased to submit this summary report of a geotechnical site exploration for the above referenced project.

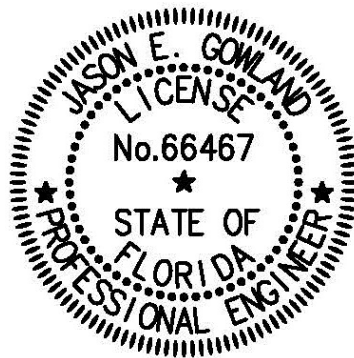
Presented herein are the findings and conclusions of our exploration, including the geotechnical parameters and recommendations to assist with building foundation, stormwater management, and pavement designs.

GSE appreciates this opportunity to have assisted you on this project. If you have any questions or comments concerning this report, please contact us.

Sincerely,

GSE Engineering & Consulting, Inc.


Corey A. Dunlap, P.E.
Senior Engineer
Florida Registration No. 77678



This item has been digitally signed and sealed by

Printed copies of this document are not considered signed and sealed, and the signature must be verified on any electronic copies.

Jason E. Gowland, P.E.
Senior Engineer
Florida Registration No. 66467

CAD/JEG:kcb
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File (1)

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Certificate of Authorization No. 27430

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Figure

1. Project Site Location Map
2. Site Plan Showing Approximate Locations of Field Tests

1.0 INTRODUCTION

1.1 General

GSE Engineering & Consulting, Inc. (GSE) has completed this geotechnical exploration for Phase 2 of the proposed recreation park, Legacy Park, located in Alachua, Alachua County, Florida. This exploration was performed in accordance with GSE Proposal No. 2018-030 dated January 22, 2018. Mr. Adam Boukari, Assistant City Manager, authorized our services on February 6, 2018.

1.2 Project Description

This project will consist of the construction of a recreation park that will include a multi-use building, recreation fields, roadways, and stormwater management facilities. The project will be located west of the existing City of Alachua recreation parks on the north side of Peggy Road in Alachua, Alachua County, Florida (Figure 1). This report is in reference to phase 2 of the project.

Mr. Travis Hastay, P.E. with CHW Professional Consultants, Inc. provided GSE with information about the project. We understand this phase of the project will consist of a new stormwater management facility (SMF) located at the south end of the site near the entrance off Peggy Road. The access roadway will connect to Peggy Road, and attach to the parking lot around the multi-use building. This roadway will be approximately 3,300 feet in length.

GSE was provided a concept showing the approximate location of the SMF and a request for proposal (RFP) dated January 19, 2018. The RFP indicated the borings should be performed per City of Alachua and Suwannee River Water Management District standards. The approximate SMF area is not known at this time; therefore, we have estimated that the pond will be similar in size to SMF-1 located adjacent to the proposed SMF and five borings will be sufficient to explore the subsurface soil conditions and provide design soil parameters at the site.

We reviewed recent aerial photographs of the site to evaluate the site accessibility. The majority of the site is open pasture; we do not foresee any access constraints.

1.3 Purpose

The purpose of this geotechnical exploration was to determine the general subsurface conditions, evaluate these conditions with respect to the proposed construction, and prepare geotechnical parameters and recommendations to assist with stormwater management facility designs.

2.0 FIELD AND LABORATORY TESTS

2.1 General Description

The procedures used for field sampling and testing are in general accordance with industry standards of care and established geotechnical engineering practices for this geographic region. Our exploration consisted of performing five (5) auger borings to depths of 15 to 30 feet bls in the area of the proposed stormwater management facility (SMF).

The soil borings were performed at the approximate locations as shown on Figure 2. The area of the proposed SMF was estimated to be similar to SMF-1 locate adjacent to the proposed SMF. The borings were located at the site using the provided site plan, aerial photograph, and obvious site features as reference. The boring locations should be considered approximate. The soil borings were performed on March 21, 2018.

2.2 Auger Borings

The auger borings were performed in accordance with ASTM D1452. The borings were performed with flight auger equipment that was rotated into the ground in a manner that reduces soil disturbance. After penetrating to the required depth, the auger was retracted and the soils collected on the auger flights were field classified and placed in sealed containers. Representative samples of each stratum were retained from the auger boring. Results from the auger borings are provided in Section 5.1.

2.3 Soil Laboratory Tests

The soil samples recovered from the soil borings were returned to our laboratory, and examined to confirm the field descriptions. Representative samples were then selected for laboratory testing. The laboratory tests consisted of five (5) percent soil fines passing the No. 200 sieve determinations, five (5) natural moisture content determinations, and three (3) constant head hydraulic conductivity tests. These tests were performed in order to aid in classifying the soils and to further evaluate their engineering properties. The laboratory tests are provided in Section 5.2.

3.0 FINDINGS

3.1 Surface Conditions

Mr. Craig Brannon with GSE visited the site on March 20, 2018 to observe the site conditions and mark the boring locations.

The site is open with grass cover. The site is bordered by Peggy Road to the south.

The topography at the overall site is moderately sloping down toward the southeast from the northwest. There appears to be a valley running generally in the west northwest to east southeast direction just north of the recently constructed location. The highest location is located at the top of the hill in the west central portion of the site. Regional topography is gently to moderately sloping. The High Springs USGS Topographic Map indicates the ground surface elevations at the site are near elevations 90 to 150 feet¹ NAVD88. This is generally consistent with the topographic information provided by CHW.

3.2 Subsurface Conditions

The locations of the auger borings are provided on Figure 2. Complete logs for the borings are provided in Section 5.1. Descriptions for the soils encountered are accompanied by the Unified Soil Classification System symbol (SM, SP-SM, etc.) and are based on visual examination of the recovered soil samples and the laboratory tests performed. Stratification boundaries between the soil types should be considered approximate, as the actual transition between soil types may be gradual.

The auger borings located in the proposed SMF encountered sand with silt and poorly graded sand (SP-SM, SP) to depths of 10 to 15 feet bls. This was generally underlain at locations P-1, P-2, and P-3 by clayey sand, very clayey sand, sandy clay, and clay with sand (CL/CH) to the boring termination depths of 15 and 30 feet bls. Trace limestone appeared intermittently throughout the clay-rich soils.

The groundwater table was not encountered in the auger borings at the time of our exploration.

3.3 Review of Published Data

The site of the proposed SMF is mapped as two soil series by the Soil Conservation Service (SCS) Soil Survey for Alachua County². The following soil descriptions are from the Soil Survey.

Arredondo fine sand, 5 to 8 percent slopes - This sloping, well drained soil is in small areas on sharp breaking slopes and in relatively large areas on long slopes of the uplands. The areas vary from about 5 to 40 acres.

Typically, the surface layer is dark grayish brown fine sand about 5 inches thick. The subsurface layer is yellowish brown fine sand to a depth of 65 inches. The yellowish brown subsoil extends to a depth of 88 inches or more. The upper 6 inches is sandy loam, and the lower 17 inches is sandy clay loam.

¹ United States Geological Survey, High Springs Quadrangle, 2012.

² Soil Survey of Alachua County, Florida. Soil Conservation Service, U.S. Department of Agriculture.

Included with this soil in mapping are small areas of Gainesville, Kendrick, and Millhopper soils. In a few mapped areas are small depressions where the soils have a black surface layer 8 to 24 inches thick over a yellowish brown to grayish brown sandy or loamy subsurface layer and subsoil. A few areas include Arredondo soils that have slopes of 0 to 5 percent or 8 to 12 percent. Siliceous limestone boulders and sinkholes are in some places and are shown by the appropriate map symbol. Total included areas are about 20 percent.

In this Arredondo soil, the available water capacity is low in the surface and subsurface layers and medium in the subsoil. Permeability is rapid in the sandy surface and subsurface layers and moderately slow in the loamy subsoil. Natural fertility is low in the sandy upper 65 inches and medium in the finer textured layers below. Organic matter content is low. The water table is more than 72 inches below the surface. Surface runoff is slow.

Fort Meade fine sand, 0 to 5 percent slopes. This nearly level to gently sloping, well drained soil is in both small and large areas on the gently rolling uplands. The areas are mostly irregular in shape and range from about 10 to 400 acres.

Typically, the surface layer is fine sand about 14 inches thick. The upper 10 inches is very dark brown, and the lower 4 inches is very dark grayish brown. The underlying layer is fine sand to a depth of 80 inches or more. In sequence from the top, the upper 20 inches is dark brown; the next 9 inches is dark yellowish brown; the next 28 inches is yellowish brown; and the lower 14 inches is dark brown.

Included with this soil in mapping are small areas of Arredondo, Gainesville, Kendrick, and Millhopper soils. Also included are small areas of soils which are similar to the Fort Meade soil but which have only 6 to 10 inches of a very dark gray or very dark grayish brown surface layer over a fine sand or loamy sand underlying layer. Total included areas are less than 15 percent.

In this Fort Meade soil, the available water capacity is low to medium. The permeability is rapid. The natural fertility is low. Organic matter content of the surface layer is moderately low to high. Surface runoff is slow. The water table is more than 72 inches below the surface.

3.4 Laboratory Soil Analysis

Selected soil samples recovered from the soil borings were analyzed for the percent soil fines passing the No. 200 sieve, natural moisture content, and hydraulic conductivity. Samples selected for laboratory testing were collected at depths ranging from 2 to 17 feet bls. These tests were performed to confirm visual soil classification and evaluate their engineering properties. The complete laboratory report is provided in Section 5.2.

The laboratory tests indicate the tested soils consist of poorly graded sand, sand with silt, silty sand, and very clayey sand. The tested sand and sand with silt (SP, SP-SM) contains approximately 3.9 to 8.0 percent soil fines passing the No. 200 sieve with natural moisture contents of about 7.1 to 8.9 percent. The tested silty sand (SM) contains approximately 22 percent soil fines passing the No. 200 sieve with a natural moisture content of about 16 percent. The tested clayey to very clayey sand (SC) contains approximately 30 percent soil fines passing the No. 200 sieve with a natural moisture content of 21 percent.

The constant head hydraulic conductivity test results indicate the near-surface sand and sand with silt have hydraulic conductivity values of 5.7 to 14 feet per day. Tests were not conducted on the deeper clay-rich soils due to the limitations of the test method on soils having moderate to high fines content, but these soils are expected to have permeability values at least one order of magnitude lower than the sandy soils.

4.0 EVALUATION AND RECOMMENDATIONS

4.1 General

The following recommendations are made based upon our understanding of the proposed construction, a review of the attached soil borings and laboratory test data, and experience with similar projects and subsurface conditions. If plans or the location of proposed construction changes from those discussed previously, GSE requests the opportunity to review and possibly amend our recommendations with respect to those changes.

The performance of site improvements may be sensitive to their post-construction relationship to site groundwater levels, seepage zones, or soil/rock characteristics exposed at final site grades. GSE recommends that use of boring information for final design of all site improvements be predicated on proper horizontal and vertical control of borings.

In this section of the report, we present our geotechnical parameters and recommendations to assist with stormwater management facility design as well as our general site preparation guidelines.

4.2 Groundwater

The groundwater table was not encountered in the borings at the time of our exploration. However, you should expect water to perch on top of the clay-rich soils after periods of heavy and seasonal rainfall. The perched seasonal high groundwater level is indicated on the individual boring logs.

4.3 Stormwater Management Recommendations

The soil conditions at the stormwater management facilities vary. The soils encountered at the location of the proposed stormwater management facility (SMF) generally consist of sand with silt and poorly graded sand (SP-SM, SP) to depths of 10 to 15 feet bls. This was generally underlain at locations P-1, P-2, and P-3 by clayey sand, very clayey sand, sandy clay, and clay with sand (CL/CH) to the boring termination depths of 15 and 30 feet bls. Trace limestone appeared intermittently throughout the clay-rich soils.

The water table was not encountered in the auger borings at the time of our exploration. We anticipate the seasonal high groundwater table to be perched on the clay-rich soils at the site.

The laboratory permeability tests indicate the near-surface sand with silt and sand have hydraulic conductivity values of 5.7 to 14 feet per day. The underlying very clayey sand, sandy clay, clay with sand, and clay are expected to be confining soils.

Based upon our findings and test results, our recommended soil parameters for the stormwater management design in the explored area is presented below. The recommended parameters consider the results of the permeability tests, wash 200 determinations, and our experience with these types of soils. The parameters below do not consider a factor of safety.

1. Base elevation of effective or mobilized aquifer (average depth of confining layer) greater than 15 feet bls*.
2. Unsaturated vertical infiltration rate of 8.5 feet per day.
3. Horizontal hydraulic conductivity equal to 13 feet per day.

4. Specific yield (fillable porosity) of 25 percent.
5. Average seasonal high groundwater table depth 15 feet bls.

*Previous borings at this site did not encounter clay-rich confining soils within the 100 feet bls explored and typically the confining soils are greater than 15 feet bls.

4.4 Fill Suitability

The majority of the soils that will be excavated from this site are expected to be the surficial sand and sand with silt (SP, SP-SM) located at the site. These soils are considered suitable for use as structural fill so long as they do not contain any deleterious materials.

The deeper sand with clay (SP-SC) and clayey sand (SC) can also be used as structural fill, but these soils are a less desirable source of fill because they are more moisture sensitive and more difficult to work and compact. If you wish to use the on-site clayey and silty sand soils we recommend they contain less than 30 percent soil fines (Passing the No. 200 sieve) with a Plasticity Index less than 15 and Liquid Limit less than 40. Mixing of soils with higher fines content with those with less fines content may increase their overall workability.

The deeper very clayey sand (SC), sandy clay (CH), clay with sand (CH), and clay (CH) soils containing greater than 30 percent fines is not considered a suitable source of structural fill.

When using on-site soils as fill materials, we recommend the clayey sand soils (SP-SC, SC) be used in the lower depths of the fill. Sand with silt (SP-SM) should be used in the upper portions of the fill. We recommend a minimum of 2 feet of sand (SP, SP-SM) cover the clayey sand fill materials to reduce the potential for soggy surface conditions due to the low permeability characteristics of the clayey sand materials.

5.0 FIELD DATA

5.1 Auger Boring Logs



GSE Engineering & Consulting, Inc.
 5590 SW 64th Street, Suite B
 Gainesville, Florida 32608
 Telephone: (352) 377-3233
 Fax: (352) 377-0335

CLIENT City of Alachua

PROJECT NAME Legacy Park Phase 2

PROJECT NUMBER 12624C

PROJECT LOCATION Alachua, Alachua County, Florida

DATE PERFORMED 3/21/2018 **BORING NUMBER P-1**

DRILLING CONTRACTOR Whitaker Drilling, Inc.

GROUND WATER LEVELS: LOGGED BY WDI

▼ AT TIME OF DRILLING NE CHECKED BY JEG

▽ ESTIMATED SEASONAL HIGH 12.5 feet

NOTES

DATE PERFORMED 3/21/2018 **BORING NUMBER P-2**

DRILLING CONTRACTOR Whitaker Drilling, Inc.

GROUND WATER LEVELS: LOGGED BY WDI

▼ AT TIME OF DRILLING NE CHECKED BY JEG

▽ ESTIMATED SEASONAL HIGH 11.0 feet

NOTES

AB 2 PORTRAIT - GINT STD US.GDT - 3/29/18 14:52 - Q:\PROJECTS\12624C LEGACY PARK PHASE 2\12624C BORINGS\12624C BORINGS.GPJ

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION	DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0				0			
		AU 1	(SP-SM) Brown SAND with silt			AU 1	(SP-SM) Dark brown SAND with silt
			2.0				2.0
		AU 2	(SP) Brown and orange SAND			AU 2	(SP-SM) Orange and brown SAND with silt
5				5		AU perm	%PASS - 200 = 6.5 MC = 8.9 $k_h = 5.7 \text{ ft/day}$
		AU 3					
10				10			
		AU 4	(SC) Brown and orange very clayey SAND with trace limestone			AU 3	(SC) Gray and orange clayey SAND
			▽ %PASS - 200 = 30 MC = 21				11.5
		AU 5	(CL/CH) Orange and green sandy CLAY			AU 4	(CL/CH) Orange and green CLAY with sand and trace limestone
15				15			
			Bottom of borehole at 15.0 feet.				Bottom of borehole at 15.0 feet.

(Continued Next Page)



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CLIENT City of Alachua

PROJECT NAME Legacy Park Phase 2

PROJECT NUMBER 12624C

PROJECT LOCATION Alachua, Alachua County, Florida

DATE PERFORMED 3/21/2018 **BORING NUMBER P-3**

DRILLING CONTRACTOR Whitaker Drilling, Inc.

GROUND WATER LEVELS: LOGGED BY WDI

▼ AT TIME OF DRILLING NE CHECKED BY JEG

▽ ESTIMATED SEASONAL HIGH 20.0 feet

NOTES _____

DATE PERFORMED 3/21/2018 **BORING NUMBER P-4**

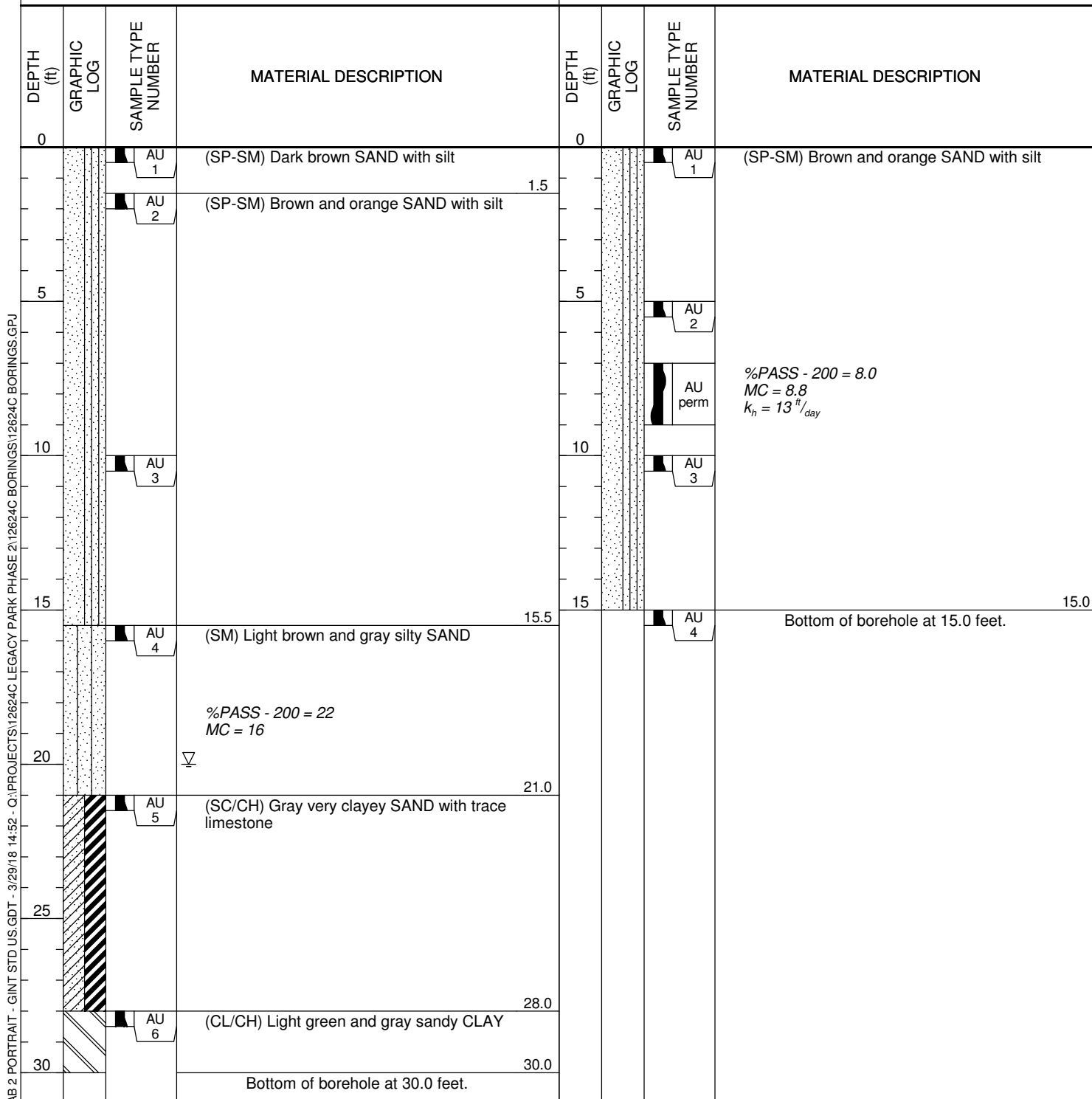
DRILLING CONTRACTOR Whitaker Drilling, Inc.

GROUND WATER LEVELS: LOGGED BY WDI

▼ AT TIME OF DRILLING NE CHECKED BY JEG

▽ ESTIMATED SEASONAL HIGH >15 feet

NOTES _____



(Continued Next Page)



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CLIENT City of Alachua

PROJECT NAME Legacy Park Phase 2

PROJECT NUMBER 12624C

PROJECT LOCATION Alachua, Alachua County, Florida

DATE PERFORMED 3/21/2018 **BORING NUMBER P-5**
 DRILLING CONTRACTOR Whitaker Drilling, Inc.
 GROUND WATER LEVELS: _____ LOGGED BY WDI
 ▼ AT TIME OF DRILLING NE CHECKED BY JEG
 ▼ ESTIMATED SEASONAL HIGH >15 feet
 NOTES _____

AB 2 PORTRAIT - GINT STD US.GDT - 3/29/18 14:52 - Q:\PROJECTS\12624C LEGACY PARK PHASE 2\12624C BORINGS\12624C BORINGS.GPJ

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0			
		AU 1	(SP-SM) Brown SAND with silt
			2.5
		AU 2	(SP) Orange and brown SAND
5			
		AU perm	$\%PASS - 200 = 3.9$ $MC = 7.1$ $k_h = 14 \frac{ft}{day}$
10			
			14.0
15		AU 3	(SP) Light brown SAND
			15.0
			Bottom of borehole at 15.0 feet.

5.2 Laboratory Results



Engineering & Consulting, Inc.

SUMMARY REPORT OF LABORATORY TEST RESULTS

Project Number: 12624C

Project Name: Legacy Park Phase 2

Boring Number	Depth (ft)	Soil Description	Natural Moisture Content (%)	Liquid Limit	Plastic Limit	Plasticity Index	Percent Passing No. 200 Sieve	Organic Content (%)	Hydraulic Conductivity (ft/day)	Unified Soil Classification
P-2	2-3	Orange and Brown SAND with Silt	8.9				6.5		5.7	SP-SM
P-4	7-9	Brown and Orange SAND with Silt	8.8				8.0		13	SP-SM
P-5	5-8	Orange and Brown SAND	7.1				3.9		14	SP
P-1	10-11	Brown and Orange Very Clayey SAND with Trace Limestone	21				30			SC
P-3	16-17	Light Brown and Gray Silty SAND	16				22			SM

5.3 Key to Soil Classification

KEY TO SOIL CLASSIFICATION CHART

Criteria for Assigning Group Symbols and Group Names Using Laboratory Tests				SYMBOLS		GROUP NAME	
				GRAPHIC	LETTER		
COARSE-GRAINED SOILS	Gravels	Clean Gravels	$Cu \geq 4$ and $1 \leq Cc \leq 3$		GW	Well graded GRAVEL	
	More than 50% retained on No. 200 sieve	More than 50% of coarse fraction retained on No. 4 sieve	Less than 5% fines	$Cu < 4$ and/or $1 > Cc > 3$		GP	Poorly graded GRAVEL
			Gravels with fines	Fines classify as ML or MH		GM	Silty GRAVEL
			More than 12% fines	Fines classify as CL or CH		GC	Clayey GRAVEL
			Sands	Clean Sands	$Cu \geq 6$ and $1 \leq Cc \leq 3$		SW
	50% or more of coarse fraction passes No. 4 sieve		Less than 5% fines	$Cu < 6$ and/or $1 > Cc > 3$		SP	Poorly graded SAND
			Sand with fines	Fines classify as ML or MH		SP-SM	SAND with silt
			$5\% \leq \text{fines} < 12\%$	Fines classify as CL or CH		SP-SC	SAND with clay
			Sand with fines	Fines classify as ML or MH		SM	Silty SAND
			$12\% \leq \text{fines} < 30\%$	Fines classify as CL or CH		SC	Clayey SAND
			Sand with fines	Fines classify as ML or MH		SM	Very silty SAND
			30% fines or more	Fines classify as CL or CH		SC	Very clayey SAND
			FINE-GRAINED SOILS	Clays	inorganic	$50\% \leq \text{fines} < 70\%$	
	$70\% \leq \text{fines} < 85\%$					CL/CH	CLAY with sand
$\text{fines} \geq 85\%$		CL/CH				CLAY	
Silts and Clays	inorganic	PI > 7 and plots on/above "A" line			CL	Lean CLAY	
		PI < 4 or plots below "A" line			ML	SILT	
Liquid Limit less than 50	organic	Liquid Limit - oven dried < 0.75			OL	Organic clay	
		Liquid Limit - not dried			OL	Organic silt	
Silts and Clays	inorganic	PI plots on or above "A" line			CH	Fat CLAY	
		PI plots below "A" line			MH	Elastic SILT	
Liquid Limit 50 or more	organic	Liquid Limit - oven dried < 0.75			OH	Organic clay	
		Liquid Limit - not dried		OH	Organic silt		
HIGHLY ORGANIC SOILS	Primarily organic matter, dark in color, and organic odor				PT	PEAT	

CORRELATION OF PENETRATION RESISTANCE WITH RELATIVE DENSITY AND CONSISTENCY

No. OF BLOWS, N	RELATIVE DENSITY		No. OF BLOWS, N	CONSISTENCY
0 - 4	Very Loose		0 - 2	Very Soft
5 - 10	Loose		3 - 4	Soft
SANDS: 11 - 30	Medium dense	SILTS &	5 - 8	Firm
31 - 50	Dense	CLAYS:	9 - 15	Stiff
OVER 50	Very Dense		16 - 30	Very Stiff
			31 - 50	Hard
			OVER 50	Very Hard

No. OF BLOWS, N	RELATIVE DENSITY
0 - 8	Very Soft
9 - 18	Soft
LIMESTONE: 19 - 32	Moderately Hard
33 - 50	Hard
OVER 50	Very Hard

SAMPLE GRAPHIC TYPE LEGEND



Location
of SPT
Sample



Location
of Auger
Sample

PARTICLE SIZE IDENTIFICATION

BOULDERS:	Greater than 300 mm
COBBLES:	75 mm to 300 mm
GRAVEL:	Coarse - 19.0 mm to 75 mm
	Fine - 4.75 mm to 19.0 mm
SANDS:	Coarse - 2.00 mm to 4.75 mm
	Medium - 0.425 mm to 2.00 mm
	Fine - 0.075 mm to 0.425 mm
SILTS & CLAYS:	Less than 0.075 mm

LABORATORY TEST LEGEND

LL	=	Liquid Limit, %
PL	=	Plastic Limit, %
PI	=	Plasticity Index, %
% PASS - 200	=	Percent Passing the No. 200 Sieve
MC	=	Moisture Content, %
ORG	=	Organic Content, %
k_h	=	Horizontal Hydraulic Conductivity, ft/day

6.0 LIMITATIONS

6.1 Warranty

This report has been prepared for our client for his exclusive use, in accordance with generally accepted soil and foundation engineering practices, and makes no other warranty either expressed or implied as to the professional advice provided in the report.

6.2 Auger Borings

The determination of soil type and conditions was performed from the ground surface to the maximum depth of the borings, only. Any changes in subsurface conditions that occur between or below the borings would not have been detected or reflected in this report.

Soil classifications that were made in the field are based upon identifiable textural changes, color changes, changes in composition or changes in resistance to penetration in the intervals from which the samples were collected. Abrupt changes in soil type, as reflected in boring logs and/or cross sections may not actually occur, but instead, be transitional.

Depth to the water table is based upon observations made during the performance of the auger and SPT borings. This depth is an estimate and does not reflect the annual variations that would be expected in this area due to fluctuations in rainfall and rates of evapotranspiration.

6.3 Site Figures

The measurements used for the preparation of the figures in this report were made using the provided site plan and by estimating distances from existing structures and site features. Figures in this report were not prepared by a licensed land surveyor and should not be interpreted as such.

6.4 Unanticipated Soil Conditions

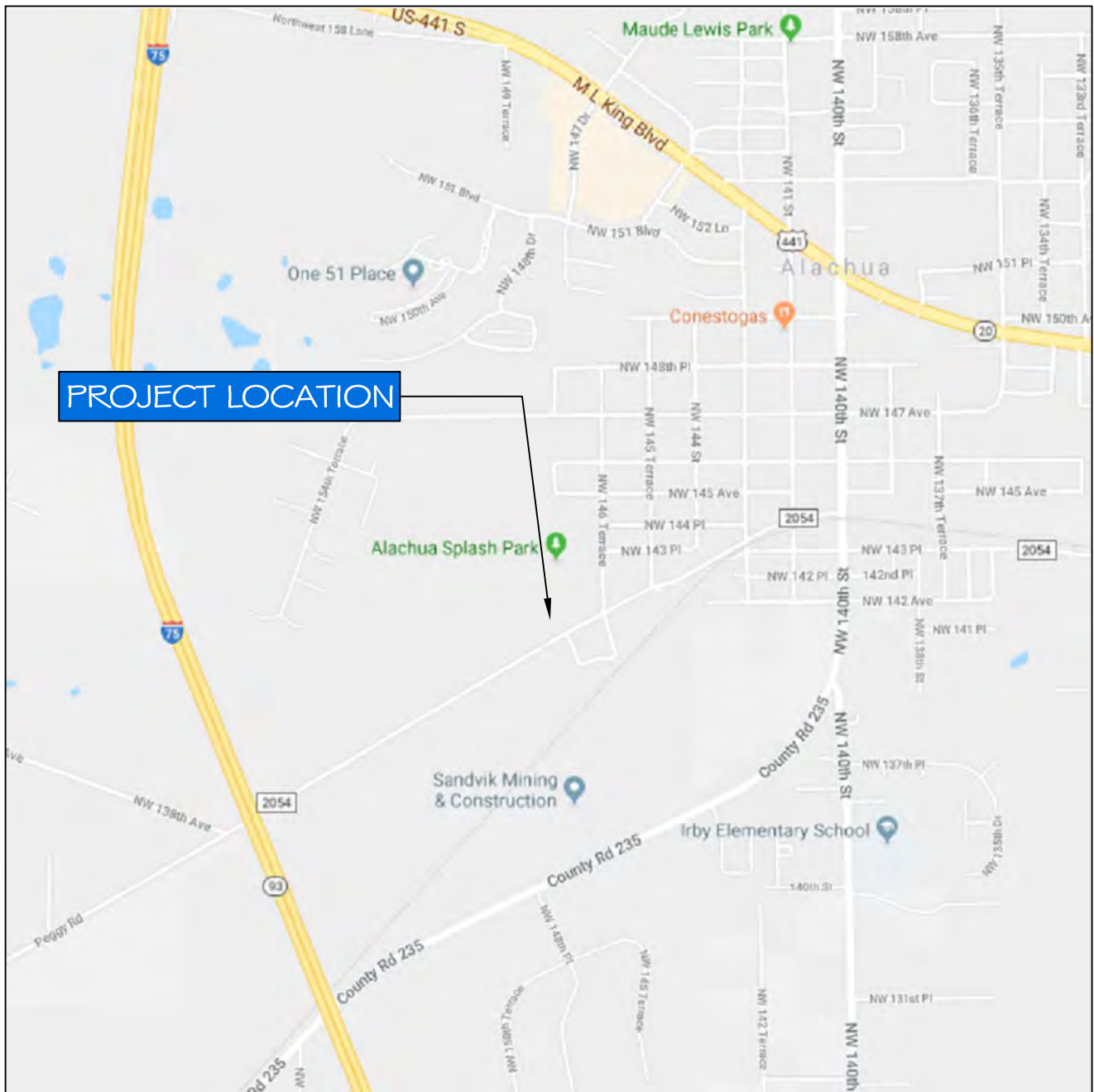
The analysis and recommendations submitted in this report are based upon the data obtained from soil borings performed at the locations indicated on Figure 2. This report does not reflect any variations that may occur between these borings.

The nature and extent of variations between borings may not become known until excavation begins. If variations appear, we may have to re-evaluate our recommendations after performing on-site observations and noting the characteristics of any variations.

6.5 Misinterpretation of Soil Engineering Report

GSE Engineering & Consulting, Inc. is responsible for the conclusions and opinions contained within this report based upon the data relating only to the specific project and location discussed herein. If others make the conclusions or recommendations based upon the data presented, those conclusions or recommendations are not the responsibility of GSE.

FIGURES



NORTH
NOT TO SCALE

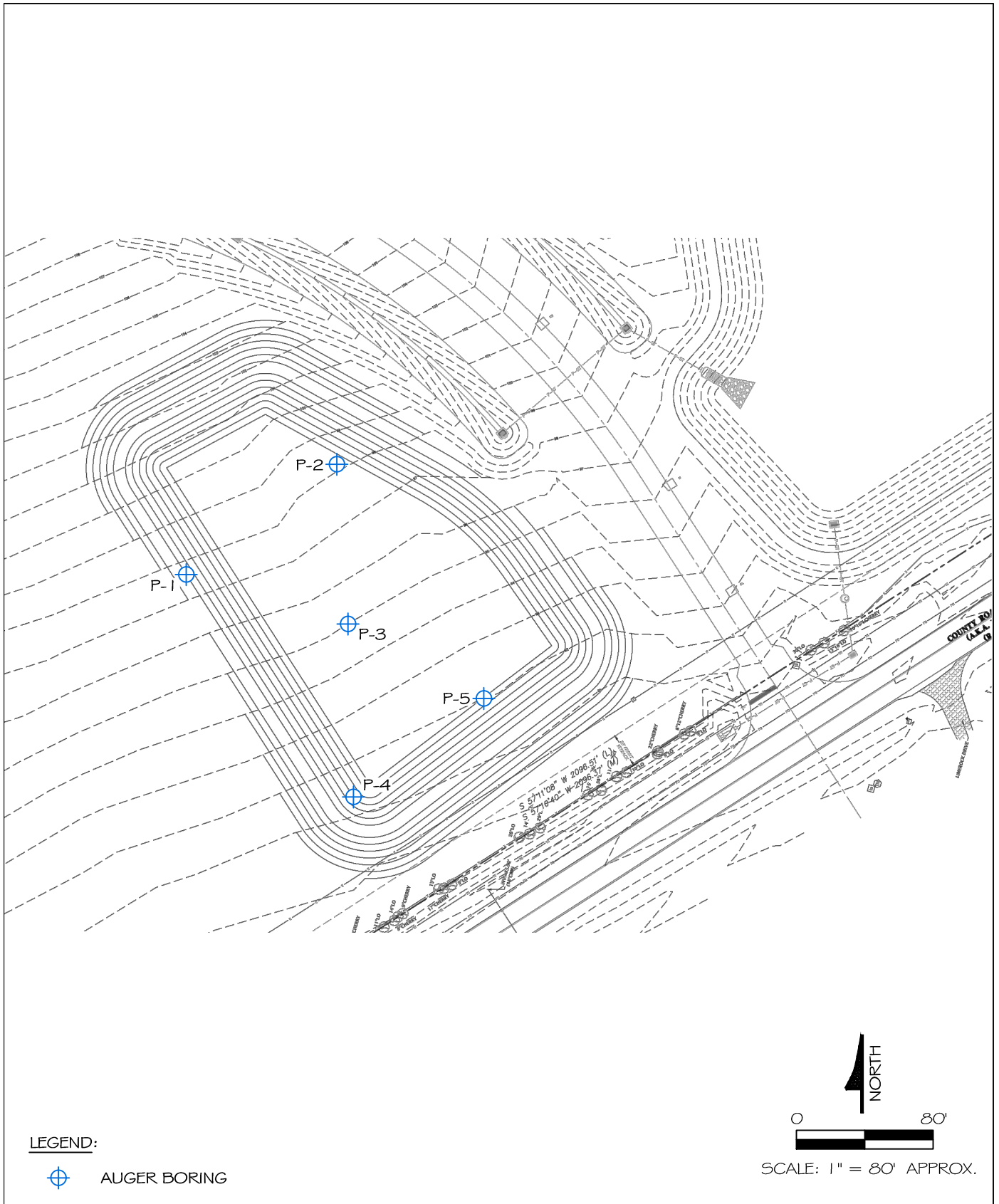
LEGACY PARK PHASE 2
ALACHUA, ALACHUA COUNTY, FLORIDA
GSE PROJECT NO. 12624C

PROJECT SITE LOCATION MAP

DESIGNED BY : JEG
CHECKED BY : KLH
DRAWN BY : EEW



FIGURE
1



LEGACY PARK PHASE 2 ALACHUA, ALACHUA COUNTY, FLORIDA GSE PROJECT NO. 12624C		SITE PLAN SHOWING APPROXIMATE LOCATIONS OF FIELD TESTS	
	DESIGNED BY : JEG CHECKED BY : KLH DRAWN BY : JBN		FIGURE 2



Engineering & Consulting, Inc.

**SUMMARY REPORT OF AN
ADDITIONAL GEOTECHNICAL SITE EXPLORATION
LEGACY PARK PHASE I**

ALACHUA, ALACHUA COUNTY, FLORIDA

GSE PROJECT NO. 12624A

**PREPARED FOR:
CHW PROFESSIONAL CONSULTANTS
MARCH 2016**

Certificate of Authorization No. 27430



Engineering & Consulting, Inc.

March 16, 2016

Monique Heathcock, P.E., LEED AP
CHW Professional Consultants
132 NW 76th Drive
Gainesville, FL 32607

Subject: Summary Report of an Additional Geotechnical Site Exploration
Legacy Park Phase I
Alachua, Alachua County, Florida
GSE Project No. 12624A

Dear Ms. Heathcock:

GSE Engineering & Consulting, Inc. (GSE) is pleased to submit this summary report of an additional geotechnical site exploration for the above referenced project.

Presented herein are the findings and conclusions of our exploration, including the geotechnical parameters and recommendations to assist with building foundation, stormwater management, and pavement designs. This report incorporates the previous findings and recommendations with the most recent exploration and recommendations.

GSE appreciates this opportunity to have assisted you on this project. If you have any questions or comments concerning this report, please contact us.

Sincerely,

GSE Engineering & Consulting, Inc.

A handwritten signature in blue ink that reads "Brooklyn A. Perry".

Brooklyn A. Perry, E.I.
Staff Engineer

A handwritten signature in blue ink that reads "Jason E. Gowland". Below the signature is the date "3/16/16".

Jason E. Gowland, P.E.
Senior Engineer
Florida Registration No. 66467

BAP/JEG:ldj
Z:\Projects\12624A Legacy Park Phase I\12624A.doc

Distribution: Addressee (1)
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LIST OF FIGURES

Figure

1. Project Site Location Map
2. Site Plan Showing Approximate Locations of Field Tests

1.0 INTRODUCTION

1.1 General

GSE Engineering & Consulting, Inc. (GSE) has completed this additional geotechnical exploration for Phase I of the proposed recreation park, Legacy Park, located in Alachua, Alachua County, Florida. This exploration was performed in accordance with GSE Proposal No. 2015-319B dated February 12, 2016. Ms. Monique Heathcock, P.E., Director of Engineering and Planning at CHW Professional Consultants, authorized our services on February 23, 2016.

1.2 Project Description

This project will consist of the construction of a recreation park that will include a multi-use building, recreation fields, roadways, and stormwater management facilities. The project will be located west of the existing City of Alachua recreation parks on the north side of Peggy Road in Alachua, Alachua County, Florida (Figure 1).

CHW Professional Consultants (CHW) provided information about the project. The multi-use building will be single story, high wall steel frame construction with interior concrete masonry unit (CMU) partition walls and possibly exterior CMU walls that infill between the column points. The structure will have an area of approximately 35,600 square feet. Structural loads have not been provided, but are expected to be on the order of 50 to 75 kips for columns and 2 to 3 kips per foot for CMU walls. Site grading at the building location has not yet been finalized, but the area of the proposed building slopes moderately to steeply down to the east from approximately elevation 118 to elevation 100. We understand a finished floor elevation of 114 feet is being considered that will require both cutting and filling of the building site to establish the finished floor elevation.

The access roadway will connect to Peggy Road, and attach to the parking lot around the multi-use building. This roadway will be approximately 3,300 feet in length.

During our previous field exploration, the locations of some of the stormwater management facilities changed. This report incorporated the findings of the borings performed within the new stormwater management facility locations.

CHW provided a site plan of the recreation park. A recent aerial photograph of the site was also obtained. The site plan and aerial photograph were used in preparation of this exploration and report.

GSE was also provided a copy of an SDII Global Corporation (SDII) report dated March 21, 2007. This report was authored by Messrs. Kenneth L. Hill, P.E. and Joakim B. Nordqvist, P.E. (formerly with SDII and currently with GSE). The data and general recommendations within this report were reviewed as part of this evaluation.

1.3 Purpose

The purpose of this geotechnical exploration was to determine the general subsurface conditions, evaluate these conditions with respect to the proposed construction, and prepare geotechnical parameters and recommendations to assist with building foundation, stormwater management, and pavement designs.

2.0 FIELD AND LABORATORY TESTS

2.1 General Description

The procedures used for field sampling and testing are in general accordance with industry standards of care and established geotechnical engineering practices for this geographic region. Our previous exploration consisted of performing eight (8) Standard Penetration Test (SPT) borings to depths of 30 feet below land surface (bls) and three (3) auger borings to depths of 10 feet bls in the area of the proposed building, thirteen (13) auger borings to depths of 10 feet bls within the proposed roadways and parking areas, and seventeen (17) auger borings to depths of 15 feet bls in the areas of the proposed stormwater management facilities (SMF).

This most recent exploration consisted of eight (8) auger borings to depths of 15 to 30 feet gbls within the current SMF locations.

The soil borings were performed at the approximate locations as shown on Figure 2. The borings were located at the site using the provided site plan, aerial photograph, and obvious site features as reference. The boring locations should be considered approximate. The previous soil borings were performed from January 4 through 6, 2016. The most recent borings were performed February 25, 2016.

2.2 Auger Borings

The auger borings were performed in accordance with ASTM D1452. The borings were performed with flight auger equipment that was rotated into the ground in a manner that reduces soil disturbance. After penetrating to the required depth, the auger was retracted and the soils collected on the auger flights were field classified and placed in sealed containers. Representative samples of each stratum were retained from the auger boring. Results from the auger borings are provided in Section 5.1.

2.3 Standard Penetration Test Borings

The soil borings were performed with a drill rig employing flight auger drilling techniques and Standard Penetration Testing (SPT) in accordance with ASTM D1586. The SPTs were performed continuously to 10 feet and at 5-foot intervals thereafter. Soil samples were obtained at the depths where the SPTs were performed. The soil samples were classified in the field, placed in sealed containers, and returned to our laboratory for further evaluation.

After drilling to the sampling depth and flushing the borehole, the standard two-inch O.D. split-barrel sampler was seated by driving it 6 inches into the undisturbed soil. Then the sampler was driven an additional 12 inches by blows of a 140-pound hammer falling 30 inches. The number of blows required to produce the next 12 inches of penetration were recorded as the penetration resistance (N-value). These values and the complete SPT boring logs are provided in Section 5.2.

Upon completion of the sampling, the boreholes were abandoned in accordance with Water Management District guidelines.

2.4 Soil Laboratory Tests

The soil samples recovered from the soil borings were returned to our laboratory, and examined to confirm the field descriptions. Representative samples were then selected for laboratory testing.

The previous laboratory tests consisted of fourteen (14) percent soil fines passing the No. 200 sieve determinations, fourteen (14) natural moisture content determinations, three (3) Atterberg Limits tests, and five (5) constant head hydraulic conductivity tests. These tests were performed in order to aid in classifying the soils and to further evaluate their engineering properties. The laboratory tests are provided in Section 5.3.

Two (2) Modified Proctor maximum dry density tests, percent fines passing the No. 200-sieve determinations, optimum moisture content tests, and Limerock Bearing Ratio (LBR) tests were performed on selected grab samples.

The most recent laboratory tests consisted of eight (8) percent soil fines passing the No. 200 sieve determinations, eight (8) natural moisture content determinations, and four (4) constant head hydraulic conductivity tests.

The previous and most recent test results are provided in Section 5.3.

3.0 FINDINGS

3.1 Surface Conditions

Mr. John C. Newcombe, E.I. with GSE visited the site on December 23, 2015 to observe the site conditions and mark the previous boring locations. Mr. Dean Snyder marked the most recent boring locations on February 23, 2016.

The site is open with grass cover and some small to large trees located along the perimeter and running east to west through the center of the site. The site is bordered by Peggy Road to the south.

The topography at the site is moderately sloping down toward the southeast from the northwest. There appears to be a valley running generally in the west northwest to east southeast direction just north of the proposed building location. The highest location is located at the top of the hill in the west central portion of the site. Regional topography is gently to moderately sloping. The High Springs USGS Topographic Map indicates the ground surface elevations at the site are near elevations 90 to 150 feet¹ NAVD88. This is generally consistent with the topographic information provided by CHW.

3.2 Subsurface Conditions

The locations of the auger and SPT borings are provided on Figure 2. Complete logs for the borings are provided in Sections 5.1 and 5.2. Descriptions for the soils encountered are accompanied by the Unified Soil Classification System symbol (SM, SP-SM, etc.) and are based on visual examination of the recovered soil samples and the laboratory tests performed. Stratification boundaries between the soil types should be considered approximate, as the actual transition between soil types may be gradual.

The auger borings located in the proposed roadways and parking areas encountered sand with silt and sand with clay (SP-SM, SP-SC) to depths of 5 to 10 feet bls. This was generally underlain by sandy clay, clay with sand, and clay (CL/CH) with interbedded layers of clayey sand (SC) to the boring termination depths of 10 feet bls.

The previous auger borings located within the SMF-4 which is now indicated as SMF-1 indicate a somewhat consistent soil profile. The borings generally encountered sand with silt, sand with clay, and silty sand with clay (SP-SM, SP-SC, SM-SC) to the boring termination depths of 15 feet bls. A deeper 30 foot bls boring was performed within SMF-1 to further evaluate the subsurface soil conditions at this SMF location. This boring generally encountered similar near surface soils conditions as the previous borings which encountered surficial sand with silt (SP-SM) in the upper 2 feet bls followed by sand with clay (SP-SC) to a depth of approximately 16 feet bls. Sandy clay (CL/CH) was encountered from approximately 16 feet bls to approximately 26 feet bls overlying clayey sand to the 30 feet boring termination depth.

The remaining auger borings performed at the previously proposed stormwater management facility locations in the northern and central portions of the site generally encountered 1 to 9 feet of sand with silt and sand with clay (SP-SM, SP-SC) overlying clayey sand (SC), clay with sand, and clay (CL/CH) to the boring termination depths of 15 feet bls.

¹ United States Geological Survey, High Springs Quadrangle, 2012.

The most recent borings performed in the SMF-2 and SMF-3 locations generally encountered surficial sand with silt, sand with clay, and silty sand with clay (SP-SM, SP-SC, SM-SC) to depths of 4 to the 15 feet boring termination depths in some borings overlying interbedded layers of clay sand, very clayey sand, and sandy clay to clay with sand (SC, CL/CH) to the 30 feet bls maximum boring termination depth.

The SPT and auger borings located in the area of the proposed building indicate the soils across these areas are relatively consistent. The borings generally penetrated sand with silt and sand with clay (SP-SM, SP-SC) to depths of 4.5 feet bls to 22 feet bls. This is underlain by clayey to very clayey sand (SC) and interbedded with clay and clay with sand (CH) to the SPT boring termination depths of 30 feet bls. Borings B-2 and B-3 encountered limestone at depths of 24 feet bls and 26 feet bls, respectively, to the boring termination depths.

The surficial layer of sand with silt and sand with clay (SP-SM, SP-SC) encountered in the SPT borings is generally in a very loose to loose condition with N-values ranging from 1 to 9 blows per foot. The underlying clayey to very clayey sand (SC) is generally in a loose to medium dense condition with N-values ranging from 6 to 25 blows per foot. The clay-rich soils (CH) encountered are generally in a firm to very stiff condition with N-values ranging from 7 to 18 blows per foot. The limestone encountered in borings B-2 and B-3 are in a very hard condition with N-values consisting of 50 blows per 2 inches of penetration and 97 blows per 9 inches of penetration, respectively.

Weight-of-hammer strength materials were encountered in SPT borings B-3, B-4, B-7, and B-8 within the surficial sandy soils. These isolated events are consistent with native, very loose near-surface sand deposits common in this area of Alachua County.

A perched groundwater table was encountered at a depth of approximately 14 feet bls at boring location P-18. The groundwater table was not encountered in the remaining auger and SPT borings at the time of our exploration(s).

3.3 Review of Published Data

The site is mapped as nine soil series by the Soil Conservation Service (SCS) Soil Survey for Alachua County². The central portion of the site is mapped as Arredondo fine sand, 5 to 8 percent slopes. The northern portion of the site is mapped as a combination of Fort Meade fine sand, 0 to 5 percent slopes; Millhopper sand, 0 to 5 percent slopes; Bivans sand, 5 to 8 percent; and Lochloosa fine sand, 5 to 8 percent slopes. The western portion of the site is mapped as a combination of Lochloosa fine sand, 5 to 8 percent slopes; Millhopper sand, 0 to 5 percent slopes; and Norfolk loamy fine sand, 2 to 5 percent fines. The southern portion of the site is mapped as Fort Meade fine sand, 0 to 5 percent slopes. The following soil descriptions are from the Soil Survey.

Arredondo fine sand, 5 to 8 percent slopes - This sloping, well drained soil is in small areas on sharp breaking slopes and in relatively large areas on long slopes of the uplands. The areas vary from about 5 to 40 acres.

Typically, the surface layer is dark grayish brown fine sand about 5 inches thick. The subsurface layer is yellowish brown fine sand to a depth of 65 inches. The yellowish brown subsoil extends

² Soil Survey of Alachua County, Florida. Soil Conservation Service, U.S. Department of Agriculture.

to a depth of 88 inches or more. The upper 6 inches is sandy loam, and the lower 17 inches is sandy clay loam.

Included with this soil in mapping are small areas of Gainesville, Kendrick, and Millhopper soils. In a few mapped areas are small depressions where the soils have a black surface layer 8 to 24 inches thick over a yellowish brown to grayish brown sandy or loamy subsurface layer and subsoil. A few areas include Arredondo soils that have slopes of 0 to 5 percent or 8 to 12 percent. Siliceous limestone boulders and sinkholes are in some places and are shown by the appropriate map symbol. Total included areas are about 20 percent.

In this Arredondo soil, the available water capacity is low in the surface and subsurface layers and medium in the subsoil. Permeability is rapid in the sandy surface and subsurface layers and moderately slow in the loamy subsoil. Natural fertility is low in the sandy upper 65 inches and medium in the finer textured layers below. Organic matter content is low. The water table is more than 72 inches below the surface. Surface runoff is slow.

Fort Meade fine sand, 0 to 5 percent slopes. This nearly level to gently sloping, well drained soil is in both small and large areas on the gently rolling uplands. The areas are mostly irregular in shape and range from about 10 to 400 acres.

Typically, the surface layer is fine sand about 14 inches thick. The upper 10 inches is very dark brown, and the lower 4 inches is very dark grayish brown. The underlying layer is fine sand to a depth of 80 inches or more. In sequence from the top, the upper 20 inches is dark brown; the next 9 inches is dark yellowish brown; the next 28 inches is yellowish brown; and the lower 14 inches is dark brown.

Included with this soil in mapping are small areas of Arredondo, Gainesville, Kendrick, and Millhopper soils. Also included are small areas of soils which are similar to the Fort Meade soil but which have only 6 to 10 inches of a very dark gray or very dark grayish brown surface layer over a fine sand or loamy sand underlying layer. Total included areas are less than 15 percent.

In this Fort Meade soil, the available water capacity is low to medium. The permeability is rapid. The natural fertility is low. Organic matter content of the surface layer is moderately low to high. Surface runoff is slow. The water table is more than 72 inches below the surface.

Millhopper sand, 0 to 5 percent slopes – This nearly level to gently sloping, moderately well drained soil is in small and large irregularly shaped areas on uplands and on slightly rolling knolls in the broad flatwoods. Slopes are mostly nearly smooth or convex. The areas are variable in size. They range from about 10 to 250 acres.

Typically, the surface layer is dark grayish brown sand about 9 inches thick. The subsurface layer is sand or fine sand about 49 inches thick. The upper 17 inches is yellowish brown, the next 22 inches is light yellowish brown, and the lower 10 inches is very pale brown. The subsoil extends to a depth of 89 inches. The upper 6 inches is yellowish brown loamy sand that has grayish and brownish mottles; the next 22 inches is light gray, mottled sandy clay loam; and the lower 3 inches is light gray, mottled sandy loam.

Included with this soil in mapping are small areas of Arredondo, Bonneau, Fort Meade, Gainesville, Kanapaha, Lochloosa, and Sparr soils. Siliceous limestone boulders and small sinks are within some delineations. Small areas of Millhopper soils that have 5 to 8 percent slopes are

also included. About 25 acres mapped as this Millhopper soil along the Santa Fe River is occasionally flooded. Total included areas are about 20 percent or less.

This Millhopper soil has a water table that is at a depth of 40 to 60 inches for 1 to 4 months and at a depth of 60 to 72 inches for 2 to 4 months during most years. The available water capacity is low in the surface and subsurface layers and is low to medium in the subsoil. Permeability is rapid in the surface and subsurface layers, moderately rapid in the upper 6 inches of the subsoil, and slow to moderately slow below this depth. Natural fertility is low. Organic matter content is low to moderately low.

Bivans sand, 5 to 8 percent slopes – This is a sloping, poorly drained soil on short breaking slopes and along hillsides of the uplands. The areas are irregular and elongated in shape. They range from about 5 to 40 acres.

Typically, the surface layer is dark gray sand about 5 inches thick. The subsurface layer is light brownish gray sand about 5 inches thick. It has a few nodules of ironstone and fragments of phosphatic limestone. The subsoil extends to a depth of 59 inches. The upper 20 inches is gray sandy clay and a few nodules of ironstone and fragments of phosphatic limestone. The next 29 inches is gray, mottled sandy clay. Between depths of 59 and 80 inches, the underlying material is gray, mottled sandy clay.

Included with this soil in mapping are small areas of Blichton, Boardman, Lochloosa, and Wacahoota soils. Small areas of soils that are similar to Bivans soils but that have a very dark gray or black loamy sand surface layer 8 to 12 inches thick over a sandy clay loam subsoil are also included in some areas. Small areas of Bivans soil that have slopes of 2 to 5 percent are included. Total included areas are about 15 percent or less.

In this Bivans soil, the subsurface layer and upper part of the subsoil are saturated by a perched water table for 1 to 3 months during most years. Wetness is caused mainly by hillside seepage. Surface runoff is rapid. The available water capacity is low to medium. Permeability is moderate to moderately rapid in the surface and subsurface layers. It is very slow to slow in the subsoil. Natural fertility is low to medium, and the organic matter content is moderately low to moderate in the surface layer.

Lochloosa fine sand, 5 to 8 percent slopes. - This sloping, somewhat poorly drained soil is in relatively small areas on sharp breaking slopes and along long, narrow slopes of the upland. The areas are mostly irregular or elongated in shape and range from about 10 to 50 acres.

Typically, the surface layer is grayish brown fine sand about 5 inches thick. The subsurface layer is light yellowish brown, mottled fine sand to a depth of 25 inches. The subsoil extends to a depth of 67 inches. The upper 5 inches is yellowish brown, mottled sandy loam; the next 5 inches is mottled light yellowish brown and gray sandy clay loam; and the lower 32 inches is gray mottled sandy clay loam. Between depths of 67 to 80 inches, the underlying material is gray, mottled sandy clay and fine pockets of sandy loam and sandy clay loam.

Included with this soil are small areas of Blichton, Kendrick, Micanopy, and Norfolk soils. Also included are small areas of soils that are similar to Lochloosa soils in drainage and texture but have a subsoil less than 20 inches below the surface. Small areas of Lochloosa soils that have 2 to 5 percent slopes are included. Small moderately eroded spots are in some areas. Rock outcrops

and sinkholes are in some areas and are shown by appropriate symbols. Total included areas are about 20 percent.

This Lochloosa soil has a water table that is about 30 to 50 inches below the surface for 1 to 3 months during most years. The water table may be at a depth of 20 to 30 inches for 1 to 3 weeks. Wetness is caused by hillside seepage. Surface runoff is medium on this soil. The available water capacity is low in the sandy surface layer and medium in the subsoil. Permeability is rapid in the surface and subsurface layers, moderate in the upper part of the subsoil, and slow in the lower part. Natural fertility is low in the sandy surface and subsurface layers and low to medium in the loamy subsoil. Organic matter content is low in the surface layer.

Norfolk loamy fine sand, 2 to 5 percent slopes – This gently sloping, well drained soil is in relatively small areas on the rolling uplands. Slopes are slightly convex. The areas are irregular in shape and range from about 10 to 50 acres.

Typically, the surface layer is dark grayish brown loamy fine sand about 9 inches thick. The subsoil extends to a depth of 62 inches. The upper 6 inches is yellowish brown fine sandy loam; the next 26 inches is dark yellowish brown sandy clay loam; the next 14 inches is dark yellowish brown sandy clay, and the lower 7 inches is dark yellowish brown clay that has gray mottles. Between depths of 62 and 80 inches, the underlying material is light gray, mottled clay.

Included with this soil in mapping are small areas of Bivans, Kendrick, Lochloosa, and Micanopy soils. Included in some areas are small areas of Norfolk soils that have slopes of 0 to 2 percent and 5 to 8 percent. Limestone boulders and sinkholes are in some areas and are shown by appropriate symbols. Total included areas are about 15 percent.

This Norfolk soil has a water table that is at a depth of about 48 to 72 inches for 1 to 3 months during most years. Surface runoff is medium. The available water capacity is low in the surface layer and medium to high in the subsoil. Permeability is rapid in the surface layer, moderately slow to moderate in the upper part of the subsoil, and very slow to slow in the lower part. Natural fertility is low in the sandy surface and subsurface layers and medium in the sandy clay loam and sandy clay subsoil. Organic matter content is low to moderately low.

3.4 Laboratory Soil Analysis

Selected soil samples recovered from the soil borings were analyzed for the percent soil fines passing the No. 200 sieve, natural moisture content, Atterberg Limits, and hydraulic conductivity. Samples selected for laboratory testing were collected at depths ranging from 3 to 25 feet bls. These tests were performed to confirm visual soil classification and evaluate their engineering properties. The complete laboratory report is provided in Section 5.3.

The previous laboratory tests indicate the tested soils consist of sand with silt, sand with clay, clayey to very clayey sand, clay with sand, and clay. The tested sand with silt (SP-SM) contains approximately 9.5 percent soil fines passing the No. 200 sieve with a natural moisture content of about 6.1 percent. The tested sand with clay (SP-SC) contains approximately 8.1 percent soil fines passing the No. 200 sieve with a natural moisture content of about 5.6 percent. The tested clayey to very clayey sand (SC) contains approximately 12 to 43 percent soil fines passing the No. 200 sieve with natural moisture contents ranging between 8.1 to 28 percent. The tested clay with sand (CH) contains approximately 71 percent soil fines passing the No. 200 sieve with natural moisture content of 47 percent. The tested clay (CH) contains approximately 88 percent soil fines passing the No. 200 sieve with natural moisture content of 57 percent.

Atterberg Limits tests indicate the tested very clayey sand (SC) has a Liquid Limit (LL) value of 57, Plastic Limit (PL) value of 28, and Plasticity Index (PI) value of 29. This corresponds to a material with marginal potential ($50 < LL < 60$, $25 < PI < 35$) for expansive behavior³.

Atterberg Limits tests indicate the tested clay with sand (CH) has a LL value of 85, PL value of 32, and PI value of 53. The tested clay (CH) has a LL value of 122, PL value of 26, and PI value of 96. These correspond to a material with high potential ($LL > 60$ and $PI > 35$) for expansive behavior³. It is our experience that clay-rich soils in this area of Alachua County having more than about 40 percent soil fines passing the No. 200 sieve have a high potential for expansive behavior.

The constant head hydraulic conductivity test results indicate the near-surface sand with silt and sand with clay at the location of the southern proposed stormwater management facility (SMF-4) has hydraulic conductivity values of 11 to 31 feet per day. The tested clayey sand (SC) from the previous pond locations at the location of the central proposed stormwater management facilities has hydraulic conductivity values of 0.5 to 1.3 feet per day. Tests were not conducted on the deeper clay-rich soils due to the limitations of the test method on soils having moderate to high fines content, but these soils are expected to have permeability values at least one order of magnitude lower than the sandy soils.

The Modified Proctor maximum dry density tests indicate the near surface grab samples have a maximum dry density ranging from 113.4 to 115 pounds per cubic foot and optimum moisture contents of 11.2 and 10.6 percent, respectively. The LBR tests indicate these soils have LBR values of 55 and 53, respectively.

The most recent laboratory tests indicate the soils consist of sandy with clay, silty sand with clay, very clayey sand, and sandy clay to clay with sand.

The tested sand with clay (SP-SC) contains approximately 7.5 to 7.6 percent soil fines passing the No. 200 sieve with natural moisture contents of about 5.2 to 5.7 percent. The tested silty sand with clay (SM-SC) contains approximately 17 percent soil fines passing the No. 200 sieve with natural moisture contents ranging between 14 to 16 percent. The tested very clayey sand (SC) contains 34 percent soil fines passing the No. 200 sieve with a natural moisture content of about 25 percent. The tested sandy clay to clay with sand (CH) contains approximately 56 to 82 percent soil fines passing the No. 200 sieve with natural moisture contents of about 30 to 53 percent.

The constant head hydraulic conductivity test results indicate the near-surface sand with clay and silty sand with clay has hydraulic conductivity values of 0.3 to 24 feet per day. Tests were not conducted on the deeper clay-rich soils due to the limitations of the test method on soils having moderate to high fines content, but these soils are expected to have permeability values at least one order of magnitude lower than the sandy soils.

³ U.S. Department of the Army USA, 1983, Foundations in Expansive Soils, TM 5-818-7, p. 4-1.

4.0 EVALUATION AND RECOMMENDATIONS

4.1 General

The following recommendations are made based upon our understanding of the proposed construction, a review of the attached soil borings and laboratory test data, and experience with similar projects and subsurface conditions. If plans or the location of proposed construction changes from those discussed previously, GSE requests the opportunity to review and possibly amend our recommendations with respect to those changes.

The final design of a foundation system is dependent upon adequate integration of geotechnical and structural engineering considerations. Consequently, GSE must review the final foundation design in order to evaluate the effectiveness and applicability of our initial analyses, and to determine if additional recommendations may be warranted. Without such a review, the recommendations presented herein could be misinterpreted or misapplied resulting in potentially unacceptable performance of the foundation system.

The performance of site improvements may be sensitive to their post-construction relationship to site groundwater levels, seepage zones, or soil/rock characteristics exposed at final site grades. GSE recommends that use of boring information for final design of all site improvements be predicated on proper horizontal and vertical control of borings.

In this section of the report, we present our geotechnical parameters and recommendations to assist with building foundation, stormwater management, and pavement designs as well as our general site preparation guidelines.

4.2 Groundwater

A perched groundwater table was encountered at a depth of approximately 14 feet bls at boring location P-18. The groundwater table was not encountered in the remaining auger and SPT borings at the time of our exploration(s). You should expect water to perch on top of the clay-rich soils after periods of heavy and seasonal rainfall. The perched seasonal high groundwater level is indicated on the individual boring logs.

4.3 Laboratory Test Result Design Parameters

The LBR test results indicate the LBR values range from 53 to 55, for an average value of 54. This corresponds to a resilient modulus greater than 12,000 psi using Table 5.1 from the *FDOT Flexible Pavement Design Manual*, March 2015.

4.4 Building Foundations

The soil borings near the proposed building footprint indicate the soils at the site are relatively consistent. The borings generally penetrated sand with silt and sand with clay to depths of 4.5 feet bls to 22 feet bls. This is underlain by clayey to very clayey sand and interbedded with clay and clay with sand to the SPT boring termination depths of 30 feet bls. Borings B-2 and B-3 encountered limestone at depths of 24 feet bls and 26 feet bls, respectively. Laboratory tests conducted on the clay-rich soils indicate it is highly expansive.

We understand that site grading efforts are proposed to level the building pad. A finished floor elevation of 114 feet has been proposed. Our foundation recommendations will be highly dependent upon the finished floor elevation selected.

The site grades in the area of the building range from about 118 feet along the west side to 100 feet at the east side. Approximately 4 feet of cut will occur along the west side of the building to establish the finished pad elevation. This amount of cut will likely expose expansive clay-rich soils at or near the finished pad elevation at the west side of the building pad. Currently, we recommend undercutting the western portion of the building pad and using a stiffened foundation, with a final foundation option being selected after the site grading plan has been established. The currently recommended option is discussed further in detailed below.

Once the final finished floor elevation has been determined, we recommend contacting us to evaluate the effectiveness and applicability of our initial analyses, and to determine if additional recommendations may be warranted.

4.4.1 Undercutting and a Stiffened Foundation System

Based upon expansive soils encountered approximately 4.5 feet beneath existing grade at boring location B-1, at a depth of 7 feet below existing grade in boring B-7 and the sloping nature of the site, we recommend undercutting the western portion of the building pad in conjunction with using a stiffened foundation.

Undercutting

GSE recommends the western portion of the building pad be undercut to an elevation of 108 feet. This undercutting is intended to provide a 4 feet separation between the foundation bottom elevation (assumed to be at elevation 112 feet) and the native soils. The undercut should extend laterally a minimum of 5 feet past the building perimeter. The undercutting should begin along the western foundation line and extend east until the expansive clay-rich soils are no longer encountered at elevation 108 feet and native sandy soils are present. We anticipate the approximately western quarter to third of the building pad will require undercutting.

The undercut should initially be backfilled with relatively impermeable materials such as clayey sand soils or crushed limerock. The clayey sand fill should have fines contents between 20 and 30 percent with a maximum PI value of 15. These materials should be placed in maximum 12-inch loose lifts that are compacted with non-vibratory equipment to a minimum of 98 percent of the Standard Proctor maximum dry density (ASTM D698). Crushed limerock fill should meet FDOT gradation requirements and be placed in approximate 6-inch loose lifts. Limerock fill should be compacted with non-vibratory equipment to a minimum of 98 percent of the Modified Proctor maximum dry density (ASTM D1557). Using a relatively impermeable backfill material is intended to reduce the potential for surface water to infiltrate into the soils below the undercut, which could result in trapped groundwater and hydration of the expansive soils. Additionally, the low permeability material is also intended to reduce the effect of vegetation removing moisture from the expansive soils which can result in shrinkage and settlement.

We recommend the low permeability backfill be placed to the foundation bottom elevation (approximately elevation 112 feet). The outer 10 feet of the low permeability backfill along the perimeter of the building should be sloped down to the perimeter to an elevation of 111 feet to encourage any perched groundwater or storm water collection at the perimeter of the undercut. An underdrain should be constructed on top of the low permeability backfill at the perimeter of the undercut to evacuate this water. The underdrain should be constructed in accordance with FDOT Index 286 for a Type II underdrain.

Backfill above elevation 112 feet can consist of clean sand having less than 10 percent soil fines passing the No. 200 sieve. The sand fill should be compacted to a minimum of 95 percent of the Modified Proctor maximum dry density (ASTM D1557).

We recommend the undercutting and backfilling be performed under the observation of the geotechnical engineer. The geotechnical engineer should inspect the bottom of the undercut prior to the contractor placing the backfill. Field density tests should be performed on the backfill at a minimum of three tests or one test per 2,500 square feet of undercut for each 1-foot lift of fill material.

We believe that some of the native materials that are excavated during the building pad undercut will meet the recommendations for the low permeability backfill (soils having between 20 and 30 percent fines passing the No. 200 sieve and a maximum PI value of 15). We believe that most of the native clayey sands that are friable can be reused as low permeability backfill. Sandy clays that are friable (breakdown into gravel size and smaller chunks) can likely be mixed with the overburden sands to make them suitable for low permeable backfill. Sandy clays and clays that are not friable will likely not be suitable for reuse as low permeable backfill or suitable for mixing with the native sands to become suitable.

Stiffened Foundation

The stiffened foundation system can consist of either a post-tensioned slab/foundation or a grade beam type foundation. The post-tensioned slab/foundation should be designed to resist bending moments resulting from foundation movement. It is our experience that the post-tensioned slab/foundation will consist of thickened sections approximately 20 to 24 inches thick around the perimeter and in a grid throughout the interior of the structure spaced no more than about 15 feet apart each direction. A post-tensioned cable is typically placed near the top and bottom of the thickened sections, and post-tensioned cables are also typically placed in the center of the slab spaced 4 to 6 feet apart in each direction. However, the post-tensioned foundation should be designed by an engineer or architect familiar with post-tensioned foundation design specifically intended to resist differential movements resulting from expansive soils.

The post-tensioned foundation design should consider edge moisture variation distances of 6 and 8 feet for center and edge lift, respectively. Maximum anticipated center and edge lift is 1 and 1.5 inches, respectively. A slab/subgrade friction coefficient of 0.45 can be assumed. All appropriate requirements of the latest edition of the IBC and the Post-Tensioning Institute should be followed in the design and construction of the post-tensioned slab foundations.

The stiffened shallow foundations could also be designed as grade beams with top and bottom reinforcement. Column foundations should be “tied into” the grade beams such that the entire foundation system behaves as one unit. These foundations typically have a minimum thickness of 18 inches, with both top and bottom steel tied with stirrups; however this foundation should be designed by your architect or structural engineer that is familiar with grade beam-type foundation design.

We recommend the shallow foundations be designed for a maximum allowable net bearing pressure of 4,000 psf. The net bearing pressure is defined as the soil contact pressure that can be imposed from the maximum structural loads and weight of the concrete foundations. The foundations should be designed based upon the maximum load that could be imposed by all loading conditions.

The perimeter foundations should be embedded a minimum of 18 inches below the lowest adjacent grade. Interior foundations or thickened sections should be embedded a minimum of 12 inches. The foundations should have minimum widths of 18 inches for strip footings, and 24 inches for columns, even though the maximum soil bearing pressure may not be fully developed.

It should be noted that generally, most of the building pad will be constructed on compacted fill soils. Some of the western portion of the building pad may be undercut and replaced. If sandy soils are present at the foundation bearing surface, the upper 12 inches should be compacted to 95 percent of the Modified Proctor maximum dry density (ASTM D1557). If native clayey sand soils are present at the foundation bearing surface, these soils should be probed and visually confirmed to be unyielding in the upper 12 inches in lieu of density testing. Any fill placed should be compacted as specified in this report.

We recommend a waiting period of 30 days be considered between the time the building pad is finished and the foundations are constructed to allow for settlement of the loose native soils due to the weight of the filled building pad.

4.5 Pavements

Overall soil conditions encountered by our borings at this site are suitable for supporting conventional limerock base and asphalt wearing surface pavements. We have not been provided the anticipated traffic loading conditions; therefore, the following pavement component recommendations should be used only as guidelines.

4.5.1 Stabilized Subgrade

The stabilized subgrade should have a minimum Limerock Bearing Ratio (LBR) of 40, with minimum thicknesses of 6 inches for automobile parking areas and 12 inches for driveways. The stabilized subgrade can be imported material or a mixture of imported and on-site material. If a mix is proposed, a mix design should be performed to determine the optimum mix proportions. The stabilized subgrade should be compacted to a minimum of 98 percent of the Modified Proctor maximum dry density (ASTM D1557) for soils with less than 15 percent fines content. Soils with 15 percent or greater fines content should be compacted to 100 percent of the Standard Proctor maximum dry density (ASTM D698). Based on the samples tested, it appears that native site soils will meet the minimum LBR requirement.

4.5.2 Base Course

The base course should consist of crushed limerock having a LBR of at least 100. Limerock should be obtained from a FDOT approved source, and should meet FDOT gradation requirements. The base course thickness should be a minimum of 6 inches in automobile parking areas and 8 inches in driveways. The base course should be compacted to at least 98 percent of the Modified Proctor maximum dry density (ASTM D1557).

4.5.3 Wearing Surface

The asphalt-wearing surface should consist of an FDOT Type SP Hot Mix Asphalt mixture. For automobile parking areas, the thickness should be at least 1.5 inches. For driveways, the thickness should be at least 2.0 inches and consist of an SP-12.5 mix. The asphalt should be compacted to at least 95 percent of the mix design density.

4.6 Site Preparation

The soils at this site should be suitable for supporting the proposed construction using mostly normal, good practice site preparation procedures. Undercutting and replacement of clay-rich soils is recommended at the western portion of the building. The following recommendations are our general guidelines for site preparation.

4.6.1 Stripping

Strip the construction limits and 10 feet beyond the perimeter of all grass, roots, topsoil, and other deleterious materials. You should expect to strip to depths of 12 or more inches. Deeper stripping will likely be necessary due to major root systems present at the site.

4.6.2 Dewatering

Temporary dewatering should not be necessary at this site. If required, we anticipate dewatering can be accomplished with sumps placed near the construction area, or with underdrains connected to a vacuum pump.

In any case, the site should always be graded to promote runoff and limit the amount of ponding. Localized ponding of stormwater is expected without proper grading during construction, and could render previously acceptable surfaces unacceptable.

4.6.3 Proof-Rolling

Proof-roll the subgrade with heavy rubber-tired equipment, such as a loaded front-end loader or dump truck, to identify any loose or soft zones not found by the soil borings. The proof-rolling should be monitored by a geotechnical engineer or qualified technician. Undercut or otherwise treat these zones as recommended by the geotechnical engineer in this report.

4.6.4 Undercutting

We recommend expansive clay-rich soils be undercut from beneath the building pad as recommended in Section 4.4.1. If clay-rich soils are encountered beneath driveways and parking lots, we recommend they be undercut to a minimum of 2 feet beneath the bottom of the pavement base course.

4.6.5 Proof Compaction

Compact the subgrade in the building pad to a density of at least 95 percent of the Modified Proctor maximum dry density (ASTM D1557). We recommend a minimum of 4 feet of compacted soil below the foundation elevation (soil from approximate elevation 108 and above be compacted) to create a more uniform building pad to reduce differential foundation settlement. It may be necessary to cut down some of the building pad, compact the bottom of the cut and then place back the native sandy soils in compacted lifts in order to achieve this recommended compaction depth. Areas with substantial fill can be compacted at the surface prior to placing the fill materials. Vibratory roller equipment should not be used within approximately 100 feet of existing structures. Lighter “walk-behind” or non-vibratory compaction equipment may be used to achieve the degree of compaction.

Should clayey sand be encountered at the bearing surface, this material should be probed and visually confirmed to be unyielding in the upper 12 inches in lieu of density testing. If the foundation excavations penetrate the clayey sand, the excavation should be performed in a manner that reduces soil disturbance. Clayey sand soils (with fines content in excess of 15 percent) that are removed and replaced or appreciably disturbed need to be re-compacted to 98 percent of the Standard Proctor maximum dry density (ASTM D698).

4.6.6 Fill Placement

Imported fill placed to raise the site grades (above existing grades) should consist of clean sand having less than 10 percent passing the No. 200 sieve. On-site soils meeting the requirements of Section 4.8 may also be used as structural fill. The fill should be placed in maximum 12-inch loose lifts that are compacted to at least 95 percent of the Modified Proctor maximum dry density (ASTM D1557). If lighter “walk-behind” compaction equipment is used, this may require lifts of 4 inches or less to achieve the required degree of compaction.

In areas that require undercutting and replacement, see section 4.4.1.

4.6.7 Testing

Perform compaction testing in the subgrade and fill. One test should be performed every 50 linear feet of continuous footing and every other column footing, per foot depth of fill or native material. Perform a compaction test for each 2,500 square feet of floor area or 10,000 square feet of pavement area per foot of fill or native material, or a minimum of three tests each, whichever is greater. Test all footing excavations to a depth of 1 foot, at the frequencies stated above.

4.7 Stormwater Management Recommendations

The soil conditions at the stormwater management facilities vary.

The soils encountered at the location of the southern proposed stormwater management facility (SMF-1) generally consist of sand with silt and sand with clay to the boring termination depths of 15 feet bls. The deeper boring performed within SMF-1 encountered surficial sand with silt (SP-SM) in the upper 2 feet bls followed by sand with clay (SP-SC) to a depth of approximately 16 feet bls. Sandy clay (CL/CH) was encountered from approximately 16 feet bls to approximately 26 feet bls overlying clayey sand to the 30 feet boring termination depth.

The soils encountered in the central proposed stormwater management facility (SMF-2) generally consist of surficial sand with silt, sand with clay, and silty sand with clay (SP-SM, SP-SC, SM-SC) to depths of 4 to 6 feet overlying interbedded layers of clay sand, very clayey sand, and sandy clay to clay with sand (SC, CL/CH) to the 30 feet bls maximum boring termination depth.

The soils encountered in the southeastern proposed stormwater management facility (SMF-3) generally consist of surficial sand with silt, sand with clay, and silty sand with clay (SP-SM, SP-SC, SM-SC) to depths of 4 to the 15 feet boring termination depths in some borings overlying interbedded layers of clay sand, very clayey sand, and sandy clay to clay with sand (SC, CL/CH) to the 30 feet bls maximum boring termination depth.

The soils are somewhat consistent with the soils encountered and recorded in the SDII report for the general locations.

With the exception of a perched groundwater table encountered at a depth of approximately 14 feet bls at boring location P-18, the water table was not encountered in the remaining auger borings at the time of our exploration(s). We anticipate the seasonal high groundwater table to be perched on the clay-rich soils at the site.

The laboratory permeability tests indicate the near-surface sand with silt and sand with clay at has hydraulic conductivity values of 9.9 to 31 feet per day. The tested silty sand with clay and clayey sand (SC) has hydraulic conductivity values of 0.3 to 1.3 feet per day. The deeper clayey sand encountered below the surficial sandy material will have permeability values at least one order of magnitude lower than the sandy soils (and be similar to the silty sand with clay). The underlying very clayey sand, sandy clay, clay with sand, and clay are expected to be confining soils.

Based upon our findings and test results in collaboration with the previous SDII report for this site, our recommended soil parameters for the stormwater management design in the explored areas are presented below. The recommended parameters consider the results of the hydraulic conductivity tests, wash 200 determinations, and our experience with these types of soils. The parameters below do not consider a factor of safety.

Proposed Southern Stormwater Management Facilities (SMF-1)

1. Base elevation of effective or mobilized aquifer (average depth of confining layer) greater than 16 feet bls.
2. Unsaturated vertical infiltration rate of 14 feet per day.
3. Horizontal hydraulic conductivity equal to 20 feet per day.
4. Specific yield (fillable porosity) of 25 percent.
5. Average seasonal high groundwater table depth 15.5 feet bls.

Proposed Central Stormwater Management Facilities (SMF-2)

1. Base elevation of effective or mobilized aquifer (average depth of confining layer) equal to 7 feet bls.
2. Unsaturated vertical infiltration rate of 0.5 feet per day.
3. Horizontal hydraulic conductivity equal to 1 foot per day.
4. Specific yield (fillable porosity) of 20 percent.
5. Average seasonal high groundwater table depth perched at 6.5 feet bls.

Proposed Southeastern Stormwater Management Facilities (SMF-3)

1. Base elevation of effective or mobilized aquifer (average depth of confining layer) equal to 9.5 feet bls.
2. Unsaturated vertical infiltration rate of 11 feet per day.
3. Horizontal hydraulic conductivity equal to 17 feet per day.
4. Specific yield (fillable porosity) of 20 percent.
5. Average seasonal high groundwater table depth perched at 9 feet bls.

Clay-rich soils are present at or near land surface in the locations of the central proposed stormwater management areas. In areas where clay-rich soils are present at the basin bottom, we recommend these soils be undercut a minimum of 2 feet and backfilled with the on-site sands and sands with silt (SP, SP-SM) having a maximum of 12 percent soil fines passing the No. 200 sieve. The intent of this undercutting and replacement is to provide a more uniform sand “blanket” at the basin bottom that allows the migration of water to the deeper deposits of sand. This sand blanket will also reduce the potential for clay-fines leaching out of the soils when water is present in the basin that can result in a thin layer of confining type material on the basin bottom that can reduce the effectiveness of the basin.

4.8 Fill Suitability

The majority of the soils that will be excavated from this site are expected to be the surficial sand with silt (SP-SM) and sand with clay (SP-SC) located at the site. These soils are considered suitable for use as structural fill so long as they do not contain any deleterious materials.

The deeper silty sand with clay (SM-SC) and clayey sand (SC) can also be used as structural fill, but these soils are a less desirable source of fill because they are more moisture sensitive and more difficult to work and compact. If you wish to use the on-site clayey and silty sand soils we recommend they contain less than 30 percent soil fines (Passing the No. 200 sieve) with a Plasticity Index less than 15 and Liquid Limit less than 40. Mixing of soils with higher fines content with those with less fines content may increase their overall workability.

The deeper very clayey sand (SC), sandy clay (CH), clay with sand (CH), and clay (CH) soils containing greater than 30 percent fines is not considered a suitable source of structural fill.

When using on-site soils as fill materials, we recommend the silty and clayey sand soils (SM-SC, SC) be used in the lower depths of the fill. Sand with silt (SP-SM) should be used in the upper portions of the fill. We recommend a minimum of 2 feet of sand (SP, SP-SM) cover the clayey sand fill materials to reduce the potential for soggy surface conditions due to the low permeability characteristics of the clayey sand materials.

4.9 Surface Water Control and Landscaping

Roof gutters should be considered to divert runoff away from the building. The gutter downspouts should discharge a minimum of 10 feet from the structure to reduce the amount of water collecting around the foundations. Where possible, the gutter downspouts should discharge directly into the storm sewer system or onto the asphalt paved areas in order to reduce the amount of water collecting around the foundations. Grading of the site should be such that water is diverted away from the building on all sides to reduce the potential for erosion and water infiltration along the foundation.

With respect to landscaping, it is recommended that existing and planted trees and large “tree-like” shrubbery with potential for developing large root systems be planted a minimum distance of half their mature height, and preferably their expected final height, away from the structure. The purpose of this is to reduce the potential for foundation or slab movements from the growth of root systems as the landscaping matures. Consideration should also be given to using landscaping that has a low water demand, so that excessive irrigation is not conducted around the structures.

If excavations for underground utilities encounter the clay-rich soils, the excavations should be made such that they do not trap water (i.e. “swimming pool” or “bowl” effect). Sloping the excavations, installing underdrains, or extending the excavation to a more pervious area can achieve this. Allowing surface water to become trapped within utility trenches or other excavations (including footings) serves as a potential water source for the clay, which can result in shrink swell of these soils. Furthermore, during construction, surface water within the building areas must be controlled such that the water does not become trapped and represent a source of water for the underlying clay-rich soils. Mismanagement of the surface water during construction within the building footprint could result in subsequent post-construction slab movement.

The above recommendations are intended to maintain relatively consistent moisture contents within the clay-rich expansive soils encountered by the borings. The importance of proper surface water control and landscaping placement cannot be overemphasized in accomplishing this objective.

5.0 FIELD DATA

5.1 Auger Boring Logs

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CLIENT CHW Professional Consultants

PROJECT NAME Legacy Park Phase I

PROJECT NUMBER 12624

PROJECT LOCATION Alachua, Alachua County, Florida

DATE PERFORMED 1/6/2016 **BORING NUMBER R-1**

DRILLING CONTRACTOR Whitaker Drilling, Inc.

GROUND WATER LEVELS: LOGGED BY WDI

AT TIME OF DRILLING NE CHECKED BY BAP

 ESTIMATED SEASONAL HIGH >10 ft

NOTES

DATE PERFORMED 1/6/2016 **BORING NUMBER R-2**

DRILLING CONTRACTOR Whitaker Drilling, Inc.

GROUND WATER LEVELS: LOGGED BY WDI

AT TIME OF DRILLING NE CHECKED BY BAP

▽ ESTIMATED SEASONAL HIGH >10 ft

NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			
2.5		AU 1	(SP-SM) Dark brown SAND with silt
3.0			(SP-SC) Orangish brown SAND with clay
5.0		AU 2	
7.5		AU 3	
10.0			Bottom of borehole at 10.0 feet.

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PROJECT NAME Legacy Park Phase I

PROJECT NUMBER 12624

PROJECT LOCATION Alachua, Alachua County, Florida

DATE PERFORMED 1/6/2016 **BORING NUMBER R-3**

DRILLING CONTRACTOR Whitaker Drilling, Inc.

GROUND WATER LEVELS: LOGGED BY WDI

▼ AT TIME OF DRILLING NE CHECKED BY BAP

▽ ESTIMATED SEASONAL HIGH >10 ft

NOTES _____

DATE PERFORMED 1/6/2016 **BORING NUMBER R-4**

DRILLING CONTRACTOR Whitaker Drilling, Inc.

GROUND WATER LEVELS: LOGGED BY WDI

▼ AT TIME OF DRILLING NE CHECKED BY BAP

▽ ESTIMATED SEASONAL HIGH 7.0 ft

NOTES _____

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DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION	DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0				0.0			
		AU 1	(SP-SM) Dark brown SAND with silt			AU 1	(SP-SM) Dark brown SAND with silt
2.5				2.5			
		AU 2	(SP-SC) Orangish brown SAND with clay			AU 2	(SP-SC) Brown, gray, and orange SAND with clay
5.0				5.0			
						AU 3	(SC) Dark brown with orange clayey SAND
7.5				7.5		AU 4	
						▽	
						AU 5	(CL/CH) Gray, green, and orange sandy CLAY
10.0		AU 3		10.0			
			Bottom of borehole at 10.0 feet.				Bottom of borehole at 10.0 feet.

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CLIENT CHW Professional Consultants

PROJECT NAME Legacy Park Phase I

PROJECT NUMBER 12624

PROJECT LOCATION Alachua, Alachua County, Florida

DATE PERFORMED 1/6/2016 **BORING NUMBER R-5**

DRILLING CONTRACTOR Whitaker Drilling, Inc.

GROUND WATER LEVELS: LOGGED BY WDI

▼ AT TIME OF DRILLING NE CHECKED BY BAP

▽ ESTIMATED SEASONAL HIGH 7.0 ft

NOTES

DATE PERFORMED 1/6/2016 **BORING NUMBER R-6**

DRILLING CONTRACTOR Whitaker Drilling, Inc.

GROUND WATER LEVELS: LOGGED BY WDI

▼ AT TIME OF DRILLING NE CHECKED BY BAP

▽ ESTIMATED SEASONAL HIGH 7.0 ft

NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION	DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0				0.0			
		AU 1	(SP-SM) Dark brown and brown SAND with silt			AU 1	(SP-SC) Orangish brown SAND with clay
1.0				1.0			
		AU 2	(SP-SC) Brown, gray, and orange SAND with clay and rock fragments				
2.5				2.5			
		AU 3	(SC) Gray, green, and orange clayey SAND				
5.0				5.0			
		AU 2				AU 2	(SC) Brown, tan, and orange clayey SAND with rock fragments
6.0				6.0			
		AU 4				AU 3	(CL/CH) Pale green and gray with orange sandy CLAY
7.5				7.5			
10.0				10.0			
			Bottom of borehole at 10.0 feet.				Bottom of borehole at 10.0 feet.

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CLIENT CHW Professional Consultants

PROJECT NAME Legacy Park Phase I

PROJECT NUMBER 12624

PROJECT LOCATION Alachua, Alachua County, Florida

DATE PERFORMED 1/6/2016 **BORING NUMBER R-7**

DRILLING CONTRACTOR Whitaker Drilling, Inc.

GROUND WATER LEVELS: LOGGED BY WDI

▼ AT TIME OF DRILLING NE CHECKED BY BAP

▽ ESTIMATED SEASONAL HIGH 5.0 ft

NOTES _____

DATE PERFORMED 1/6/2016 **BORING NUMBER R-8**

DRILLING CONTRACTOR Whitaker Drilling, Inc.

GROUND WATER LEVELS: LOGGED BY WDI

▼ AT TIME OF DRILLING NE CHECKED BY BAP

▽ ESTIMATED SEASONAL HIGH 6.0 ft

NOTES _____

AB 2 PORTRAIT - GINT STD US.GDT - 1/29/16 14:35 - P:\GENERAL\PROJECTS\12624 LEGACY PARK PHASE I\12624 BORINGS\12624 BORINGS.GPJ

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION	DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0				0.0			
		AU 1	(SP-SM) Dark brown and brown SAND with silt			AU 1	(SP-SM) Dark brown SAND with silt
							1.5
2.5				2.5		AU 2	(SP-SC) Orange and brown SAND with clay and rock fragments
			(SP-SC) Brown, gray, and orange SAND with clay and rock fragments				
		AU 2					
5.0			▽	5.0			
		AU 3	(SC) Tan, brown, and orange very clayey SAND with rock fragments %PASS - 200 = 39 MC = 27 LL = 57 ; PL = 28 ; PI = 29				6.5
7.5				7.5		AU 3	(CL/CH) Green and orange CLAY with sand
		AU 4	(CL/CH) Pale green and orange CLAY with sand				
10.0				10.0			
			Bottom of borehole at 10.0 feet.				Bottom of borehole at 10.0 feet.

(Continued Next Page)



PROJECT NAME Legacy Park Phase I

PROJECT LOCATION Alachua, Alachua County, Florida

DATE PERFORMED 1/6/2016 **BORING NUMBER R-10**DRILLING CONTRACTOR Whitaker Drilling, Inc.

GROUND WATER LEVELS: LOGGED BY WDI

NE AT TIME OF DRILLING NE CHECKED BY BAP

 ESTIMATED SEASONAL HIGH 7.0 ft

NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION	DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0				0.0			
		AU 1	(SP-SM) Brown SAND with silt			AU 1	(SP-SM) Dark brown SAND with silt
1.0			(SP-SC) Orangish brown SAND with clay	1.0			(SP-SC) Orangish brown SAND with clay
2.5		AU 2		2.5		AU 2	
5.0		AU 3		5.0			
6.0			(SC) Orangish brown clayey SAND	6.0		AU 3	(SP-SC) Brown, pale gray, and orange SAND with clay
7.5		AU 4	▽	7.5			▽
			(CL/CH) Pale green and orange CLAY				(CL/CH) Green and orange CLAY
10.0		AU 5				AU 4	
			Bottom of borehole at 10.0 feet.				Bottom of borehole at 10.0 feet.

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CLIENT CHW Professional Consultants

PROJECT NAME Legacy Park Phase I

PROJECT NUMBER 12624

PROJECT LOCATION Alachua, Alachua County, Florida

DATE PERFORMED 1/6/2016 **BORING NUMBER R-11**

DRILLING CONTRACTOR Whitaker Drilling, Inc.

GROUND WATER LEVELS: LOGGED BY WDI

▼ AT TIME OF DRILLING NE CHECKED BY BAP

▽ ESTIMATED SEASONAL HIGH 4.5 ft

NOTES _____

DATE PERFORMED 1/6/2016 **BORING NUMBER R-12**

DRILLING CONTRACTOR Whitaker Drilling, Inc.

GROUND WATER LEVELS: LOGGED BY WDI

▼ AT TIME OF DRILLING NE CHECKED BY BAP

▽ ESTIMATED SEASONAL HIGH 5.5 ft

NOTES _____

AB 2 PORTRAIT - GINT STD US.GDT - 1/29/16 14:35 - P:\GENERAL\PROJECTS\12624 BORINGS\12624 BORINGS.GPJ

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION	DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0				0.0			
		AU 1	(SP-SM) Brown SAND with silt			AU 1	(SP-SM) Dark brown SAND with silt
		AU 2	(SP-SC) Orange and brown SAND with clay and rock fragments				
2.5		AU 3		2.5			(SP-SC) Orangish brown SAND with clay
		AU 4	(SC) Gray and orange clayey SAND with rock fragments			AU 2	
5.0			▽	5.0			▽
			(SC) Gray, green, and orange very clayey SAND				
		AU 5	%PASS - 200 = 43 MC = 24			AU 3	(SC) Brown clayey SAND with lenses of gray clay and rock fragments
7.5				7.5			
			(CL/CH) Gray, green, and orange CLAY with sand				
							(SC) Pale gray and brown clayey SAND
10.0				10.0		AU 4	
			Bottom of borehole at 10.0 feet.				Bottom of borehole at 10.0 feet.

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PROJECT NAME Legacy Park Phase I

PROJECT NUMBER 12624

PROJECT LOCATION Alachua, Alachua County, Florida

DATE PERFORMED 1/6/2016 **BORING NUMBER R-13**

DRILLING CONTRACTOR Whitaker Drilling, Inc.

GROUND WATER LEVELS: LOGGED BY WDI

▼ AT TIME OF DRILLING NE CHECKED BY BAP

▽ ESTIMATED SEASONAL HIGH >10 ft

NOTES _____

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			
		AU 1	(SP-SM) Dark brown and brown SAND with silt
2.5		AU 2	
5.0			
7.5		AU 3	
10.0			Bottom of borehole at 10.0 feet.

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PROJECT NAME Legacy Park Phase I

PROJECT LOCATION Alachua, Alachua County, Florida

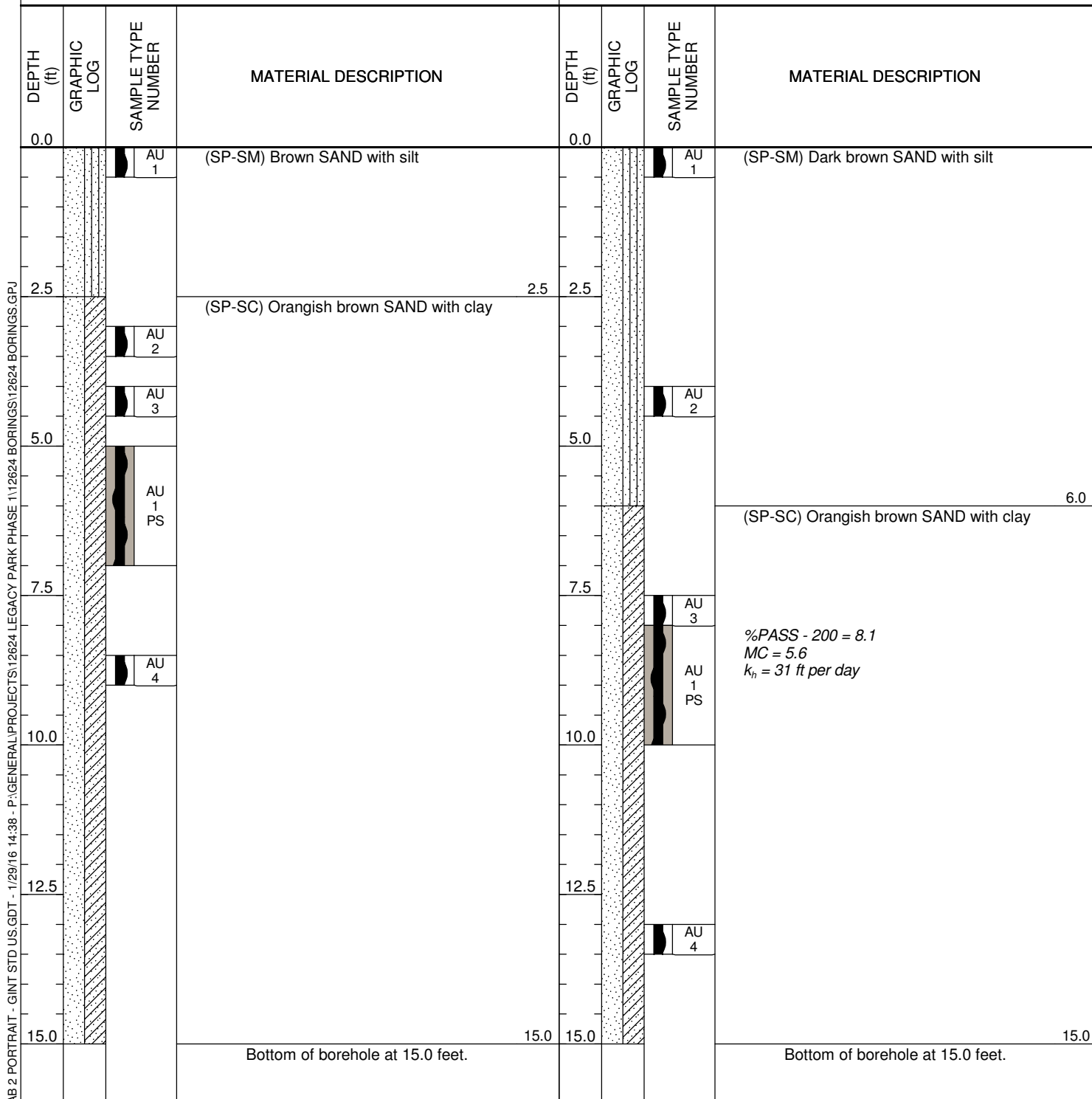
DATE PERFORMED 1/6/2016 **BORING NUMBER P-2**DRILLING CONTRACTOR Whitaker Drilling, Inc.

GROUND WATER LEVELS: LOGGED BY WDI

▼ AT TIME OF DRILLING NE CHECKED BY BAP

▽ ESTIMATED SEASONAL HIGH >15 ft

NOTES



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PROJECT NAME Legacy Park Phase I

PROJECT NUMBER 12624

PROJECT LOCATION Alachua, Alachua County, Florida

DATE PERFORMED 1/6/2016 **BORING NUMBER P-3**

DRILLING CONTRACTOR Whitaker Drilling, Inc.

GROUND WATER LEVELS: LOGGED BY WDI

▼ AT TIME OF DRILLING NE CHECKED BY BAP

▽ ESTIMATED SEASONAL HIGH >15 ft

NOTES _____

DATE PERFORMED 1/6/2016 **BORING NUMBER P-4**

DRILLING CONTRACTOR Whitaker Drilling, Inc.

GROUND WATER LEVELS: LOGGED BY WDI

▼ AT TIME OF DRILLING NE CHECKED BY BAP

▽ ESTIMATED SEASONAL HIGH 14.0 ft

NOTES _____

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION	DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0				0.0			
		AU 1 PS	(SP-SM) Dark brown SAND with silt			AU 1	(SP-SM) Dark brown SAND with silt
2.5				2.5			1.0 (SP-SM) Brown SAND with silt
4.0		AU 2	(SP-SM) Brown SAND with silt	4.0		AU 2	
5.0				5.0			
7.5		AU 3		7.5		AU 1 PS	%PASS - 200 = 9.5 MC = 6.1 k _r = 11 ft per day
10.0				10.0		AU 3	
			(SP-SC) Orangish brown SAND with clay				
12.5		AU 4		12.5			
15.0				15.0		AU 4	14.5 (SC) Brown clayey SAND with lenses of gray clay 15.0
			Bottom of borehole at 15.0 feet.				Bottom of borehole at 15.0 feet.

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PROJECT NAME Legacy Park Phase I

PROJECT NUMBER 12624

PROJECT LOCATION Alachua, Alachua County, Florida

DATE PERFORMED 1/5/2016 **BORING NUMBER P-5**

DRILLING CONTRACTOR Whitaker Drilling, Inc.

GROUND WATER LEVELS: LOGGED BY WDI

▼ AT TIME OF DRILLING NE CHECKED BY BAP

▽ ESTIMATED SEASONAL HIGH 2.5 ft

NOTES

DATE PERFORMED 1/5/2016 **BORING NUMBER P-6**

DRILLING CONTRACTOR Whitaker Drilling, Inc.

GROUND WATER LEVELS: LOGGED BY WDI

▼ AT TIME OF DRILLING NE CHECKED BY BAP

▽ ESTIMATED SEASONAL HIGH 5.0 ft

NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION	DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0				0.0			
		AU 1	(SP-SM) Brown SAND with silt			AU 1	(SP-SM) Dark brown SAND with silt
		AU 2				AU 2	
			(SP-SC) Orangish brown SAND with clay				(SP-SC) Orangish brown SAND with clay
2.5		AU 1 PS	▽	2.5		AU 1 PS	
		AU 3				AU 3	
			(CL/CH) Brown, tan, and orange CLAY with sand				
5.0		AU 4		5.0		AU 4	
			(CL/CH) Pale green and orange CLAY with sand				▽
							(CL/CH) Pale gray and orange CLAY with brown sand and trace limestone
7.5		AU 5		7.5		AU 5	
							(CL/CH) Pale green CLAY with brown sand
10.0				10.0			
			(CL/CH) Pale green CLAY with brown sand			AU 5	
12.5		AU 6		12.5			
15.0			Bottom of borehole at 15.0 feet.	15.0			Bottom of borehole at 15.0 feet.

AB 2 PORTRAIT - GINT STD US.GDT - 1/29/16 14:38 - P:\GENERAL\PROJECTS\12624 LEGACY PARK PHASE I\12624 BORINGS\12624 BORINGS.GPJ

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PROJECT NAME Legacy Park Phase I

PROJECT NUMBER 12624

PROJECT LOCATION Alachua, Alachua County, Florida

DATE PERFORMED 1/5/2016 **BORING NUMBER P-9**

DRILLING CONTRACTOR Whitaker Drilling, Inc.

GROUND WATER LEVELS: LOGGED BY WDI

▼ AT TIME OF DRILLING NE CHECKED BY BAP

▽ ESTIMATED SEASONAL HIGH >15 ft

NOTES _____

DATE PERFORMED 1/5/2016 **BORING NUMBER P-10**

DRILLING CONTRACTOR Whitaker Drilling, Inc.

GROUND WATER LEVELS: LOGGED BY WDI

▼ AT TIME OF DRILLING NE CHECKED BY BAP

▽ ESTIMATED SEASONAL HIGH 10.5 ft

NOTES _____

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION	DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0				0.0			
		AU 1	(SP-SM) Dark brown SAND with silt			AU 1	(SP-SM) Brown SAND with silt
1.5			(SC) Orangish brown clayey SAND	1.5			
2.5		AU 2		2.5		AU 1 PS	
		AU 1 PS	%PASS - 200 = 14 MC = 11 $k_h = 1.1 \text{ ft per day}$			AU 2	
5.0				5.0			(SC) Brown clayey SAND with trace limestone
6.5			(SC) Dark brown clayey SAND	6.5			
7.5		AU 3		7.5			
8.5				8.5		AU 3	(SC) Tan and orange clayey SAND with lenses of gray clay
10.0				10.0			
11.0				11.0			(CL/CH) Tan and brown CLAY with sand
12.5		AU 4		12.5		AU 4	
			%PASS - 200 = 15 MC = 12 $k_h = 0.5 \text{ ft per day}$				
		AU 2 PS					
15.0			Bottom of borehole at 15.0 feet.	15.0			Bottom of borehole at 15.0 feet.

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PROJECT NAME Legacy Park Phase I

PROJECT NUMBER 12624

PROJECT LOCATION Alachua, Alachua County, Florida

DATE PERFORMED 1/5/2016 **BORING NUMBER P-11**

DRILLING CONTRACTOR Whitaker Drilling, Inc.

GROUND WATER LEVELS: LOGGED BY WDI

▼ AT TIME OF DRILLING NE CHECKED BY BAP

▽ ESTIMATED SEASONAL HIGH 1.5 ft

NOTES

DATE PERFORMED 1/4/2016 **BORING NUMBER P-12**

DRILLING CONTRACTOR Whitaker Drilling, Inc.

GROUND WATER LEVELS: LOGGED BY WDI

▼ AT TIME OF DRILLING NE CHECKED BY BAP

▽ ESTIMATED SEASONAL HIGH 6.5 ft

NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION	DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0				0.0			
		AU 1	(SP-SM) Dark brown SAND with silt			AU 1	(SP-SM) Dark brown SAND with silt
		AU 2	▽			AU 1 PS	
2.5			(CL/CH) Brown and orange sandy CLAY with rock fragments	2.5		AU 2	
		AU 1 PS					(SC) Pale gray and brown clayey SAND
5.0				5.0		AU 3	
		AU 3					▽
7.5			(CL/CH) Green, orange, and brown CLAY	7.5			(CL/CH) Brown and orange sandy CLAY
10.0				10.0		AU 4	
		AU 4					(CL/CH) Light brown with green CLAY with sand
12.5				12.5			
15.0			Bottom of borehole at 15.0 feet.	15.0			Bottom of borehole at 15.0 feet.

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PROJECT NAME Legacy Park Phase I

PROJECT NUMBER 12624

PROJECT LOCATION Alachua, Alachua County, Florida

DATE PERFORMED 1/4/2016 **BORING NUMBER P-13**

DRILLING CONTRACTOR Whitaker Drilling, Inc.

GROUND WATER LEVELS: LOGGED BY WDI

▼ AT TIME OF DRILLING NE CHECKED BY BAP

▽ ESTIMATED SEASONAL HIGH >15 ft

NOTES _____

DATE PERFORMED 1/5/2016 **BORING NUMBER P-14**

DRILLING CONTRACTOR Whitaker Drilling, Inc.

GROUND WATER LEVELS: LOGGED BY WDI

▼ AT TIME OF DRILLING NE CHECKED BY BAP

▽ ESTIMATED SEASONAL HIGH 5.5 ft

NOTES _____

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION	DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0				0.0			
		AU 1	(SP-SM) Dark brown and brown SAND with wilt			AU 1	(SP-SM) Dark brown SAND with silt
			(SC) Orangish brown clayey SAND				
2.5		AU 2		2.5			
		AU 1 PS				AU 1 PS	(SP-SC) Tan SAND with lenses of gray clay
						AU 2	
5.0				5.0			
						AU 3	▽
7.5		AU 3		7.5			(CL/CH) Tan, orange, and pale green CLAY with sand
		AU 2 PS	%PASS - 200 = 22 MC = 12			AU 4	
10.0				10.0			(CL/CH) Pale green with orange CLAY
12.5		AU 4	(SP-SC) Orangish brown SAND with clay	12.5		AU 5	
15.0				15.0			
			Bottom of borehole at 15.0 feet.				Bottom of borehole at 15.0 feet.

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PROJECT NAME Legacy Park Phase I

PROJECT NUMBER 12624

PROJECT LOCATION Alachua, Alachua County, Florida

DATE PERFORMED 1/5/2016 **BORING NUMBER P-15**

DRILLING CONTRACTOR Whitaker Drilling, Inc.

GROUND WATER LEVELS: LOGGED BY WDI

▼ AT TIME OF DRILLING NE CHECKED BY BAP

▽ ESTIMATED SEASONAL HIGH 12.0 ft

NOTES _____

DATE PERFORMED 1/5/2016 **BORING NUMBER P-16**

DRILLING CONTRACTOR Whitaker Drilling, Inc.

GROUND WATER LEVELS: LOGGED BY WDI

▼ AT TIME OF DRILLING NE CHECKED BY BAP

▽ ESTIMATED SEASONAL HIGH 7.5 ft

NOTES _____

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION	DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0				0.0			
		AU 1	(SP-SC) Dark brown and brown SAND with clay				(SC) Brown with orange clayey SAND with rock fragments
		AU 2				AU 1	
2.5		AU 1 PS		2.5			
							%PASS - 200 = 19 MC = 13
5.0				5.0		AU 1 PS	
						AU 2	
7.5				7.5			▽
		AU 3					8.0
9.0			(SC) Brown with orange clayey SAND			AU 3	(CL/CH) Gray with orange sandy CLAY with rock fragments
10.0		AU 4		10.0			
							12.0
12.5			▽	12.5			(CL/CH) Pale green and gray sandy CLAY
		AU 5	(SC) Gray with orange very clayey SAND with trace limestone			AU 4	
15.0				15.0			15.0
			Bottom of borehole at 15.0 feet.				Bottom of borehole at 15.0 feet.

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PROJECT NAME Legacy Park Phase I

PROJECT NUMBER 12624

PROJECT LOCATION Alachua, Alachua County, Florida

DATE PERFORMED 1/5/2016 **BORING NUMBER P-17**

DRILLING CONTRACTOR Whitaker Drilling, Inc.

GROUND WATER LEVELS: LOGGED BY WDI

▼ AT TIME OF DRILLING NE CHECKED BY BAP

▽ ESTIMATED SEASONAL HIGH >15 ft

NOTES _____

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SC) Orangish brown clayey SAND
2.5		AU 1	
5.0		AU 1 PS	%PASS - 200 = 12 MC = 8.1
7.5			
10.0		AU 2	
12.5			12.0
			(SC) Brown and gray with orange clayey SAND with rock fragments
15.0		AU 3	
			15.0
			Bottom of borehole at 15.0 feet.

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PROJECT NAME Legacy Park Phase 1

PROJECT NUMBER 12624A

PROJECT LOCATION Alachua, Alachua County, Florida

DATE PERFORMED 2/25/2016 **BORING NUMBER P-18**

DRILLING CONTRACTOR Whitaker Drilling, Inc.

GROUND WATER LEVELS: LOGGED BY WDI

▼ AT TIME OF DRILLING 14.0 ft, perched CHECKED BY JEG

▽ ESTIMATED SEASONAL HIGH 5.5 ft

NOTES _____

DATE PERFORMED 2/25/2016 **BORING NUMBER P-19**

DRILLING CONTRACTOR Whitaker Drilling, Inc.

GROUND WATER LEVELS: LOGGED BY WDI

▼ AT TIME OF DRILLING NE CHECKED BY JEG

▽ ESTIMATED SEASONAL HIGH 9.5 ft

NOTES _____

AB 2 PORTRAIT - GINT STD US.GDT - 3/15/16 11:43 - P:\GENERAL\PROJECTS\12624A LEGACY PARK PHASE 1\12624A BORINGS\12624A BORINGS.GPJ

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION	DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0				0			
		AU 1	(SP-SM) Brown SAND with silt			AU 1	(SP-SM) Brown SAND with silt
		AU 2 PS	(SP-SC) Orangish brown SAND with clay				
5				5		AU 2 PS	(SM-SC) Orangish brown silty SAND with clay %PASS - 200 = 17 MC = 16 $k_h = 1.1 \text{ ft per day}$
		AU 3	▽ (SC) Orangish brown clayey SAND with trace limestone				
		AU 4	(CL/CH) Orangish brown and gray CLAY with trace limestone			AU 3	(SC) Gray and orange clayey SAND
		AU 5	(CL/CH) Orange, gray, and green CLAY with trace limestone				
10				10			▽
		AU 6	(SC) Light gray clayey SAND with lenses of clay			AU 4 AU 5	(CL/CH) Gray and orange CLAY
15				15			(CL/CH) Green and gray CLAY with sand
			Bottom of borehole at 15.0 feet.				Bottom of borehole at 15.0 feet.

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PROJECT NAME Legacy Park Phase 1

PROJECT NUMBER 12624A

PROJECT LOCATION Alachua, Alachua County, Florida

DATE PERFORMED 2/25/2016 **BORING NUMBER P-20**

DRILLING CONTRACTOR Whitaker Drilling, Inc.

GROUND WATER LEVELS: LOGGED BY WDI

▼ AT TIME OF DRILLING NE CHECKED BY JEG

▽ ESTIMATED SEASONAL HIGH 4.5 ft

NOTES _____

DATE PERFORMED 2/25/2016 **BORING NUMBER P-21**

DRILLING CONTRACTOR Whitaker Drilling, Inc.

GROUND WATER LEVELS: LOGGED BY WDI

▼ AT TIME OF DRILLING NE CHECKED BY JEG

▽ ESTIMATED SEASONAL HIGH 10.5 ft

NOTES _____

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION	DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0				0			
		AU 1 PS	(SM-SC) Orangish brown silty SAND with clay %PASS - 200 = 17 MC = 14 $k_h = 0.3 \text{ ft per day}$			AU 1	(SP-SM) Brown SAND with silt
						AU 2	(SP-SC) Orangish brown SAND with clay
5		AU 2	▽ (SC) Orangish brown and gray clayey SAND with trace limestone	5			
		AU 3	(CL/CH) Gray and orange sandy CLAY with trace limestone			AU 3	(SP-SC) Orangish brown SAND with clay
10		AU 4	(CL/CH) Green and orange CLAY with sand %PASS - 200 = 82 MC = 53	10			
		AU 5				AU 4	▽ (SC) Gray and orange clayey SAND
15				15			
		AU 6	(CL/CH) Green and orange CLAY				Bottom of borehole at 15.0 feet.
20							
		AU 7					
25							
30			Bottom of borehole at 30.0 feet.				

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PROJECT NAME Legacy Park Phase 1

PROJECT NUMBER 12624A

PROJECT LOCATION Alachua, Alachua County, Florida

DATE PERFORMED 2/25/2016 **BORING NUMBER P-22**

DRILLING CONTRACTOR Whitaker Drilling, Inc.

GROUND WATER LEVELS: LOGGED BY WDI

▼ AT TIME OF DRILLING NE CHECKED BY JEG

▽ ESTIMATED SEASONAL HIGH 11.0 ft

NOTES _____

DATE PERFORMED 2/25/2016 **BORING NUMBER P-23**

DRILLING CONTRACTOR Whitaker Drilling, Inc.

GROUND WATER LEVELS: LOGGED BY WDI

▼ AT TIME OF DRILLING NE CHECKED BY JEG

▽ ESTIMATED SEASONAL HIGH 4.5 ft

NOTES _____

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DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION	DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0				0			
		AU 1 PS	(SP-SM) Brown SAND with silt			AU 1	(SP-SM) Brown SAND with silt
		AU 2					
2.0			(SP-SC) Orangish brown SAND with clay	2.0			(SP-SC) Orangish brown SAND with clay
5				5		AU 2 PS	%PASS - 200 = 7.6 MC = 5.2 ▽ $k_h = 24 \text{ ft per day}$
		AU 3				AU 3	(SC) Orangish brown and gray clayey SAND
10				10			
		AU 4				AU 4	
11.5			(SC) Orangish brown and gray clayey SAND with trace limestone	11.5			
15				15			
			Bottom of borehole at 15.0 feet.				
						AU 5	(SC) Gray and orange very clayey SAND
							%PASS - 200 = 34 MC = 25
				20			
						AU 6	(SC) Orangish brown and gray clayey SAND with lenses of gray clay
				25			
				30		AU 7	
							Bottom of borehole at 30.0 feet.

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PROJECT NAME Legacy Park Phase 1

PROJECT NUMBER 12624A

PROJECT LOCATION Alachua, Alachua County, Florida

DATE PERFORMED 2/25/2016 **BORING NUMBER P-24**

DRILLING CONTRACTOR Whitaker Drilling, Inc.

GROUND WATER LEVELS: LOGGED BY WDI

▼ AT TIME OF DRILLING NE CHECKED BY JEG

▽ ESTIMATED SEASONAL HIGH >15 ft

NOTES _____

DATE PERFORMED 2/25/2016 **BORING NUMBER P-25**

DRILLING CONTRACTOR Whitaker Drilling, Inc.

GROUND WATER LEVELS: LOGGED BY WDI

▼ AT TIME OF DRILLING NE CHECKED BY JEG

▽ ESTIMATED SEASONAL HIGH 5.5 ft

NOTES _____

AB 2 PORTRAIT - GINT STD US.GDT - 3/15/16 11:43 - P:\GENERAL\PROJECTS\12624A LEGACY PARK PHASE 1\12624A BORINGS\12624A BORINGS.GPJ

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION	DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0				0			
		AU 1	(SP-SM) Brown SAND with silt				(SP-SC) Orangish brown SAND with clay
			2.0			AU 1 PS	
		AU 2 PS	(SP-SC) Orangish brown SAND with clay %PASS - 200 = 7.5 MC = 5.7 $k_h = 9.9 \text{ ft per day}$			AU 2	3.5
5				5			(SM-SC) Orangish brown silty SAND with clay
		AU 3				AU 3	6.0
							(SC) Gray and orange clayey SAND
10				10		AU 4	9.5
		AU 4					(CL/CH) Gray and orange sandy CLAY with trace limestone
						AU 5	13.0
15				15			(SC) Orangish brown and gray clayey SAND with lenses of clay
			Bottom of borehole at 15.0 feet.				15.0
							Bottom of borehole at 15.0 feet.

(Continued Next Page)



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CLIENT CHW Professional Consultants

PROJECT NAME Legacy Park Phase 1

PROJECT NUMBER 12624A

PROJECT LOCATION Alachua, Alachua County, Florida

DATE PERFORMED 2/25/2016 **BORING NUMBER P-26**

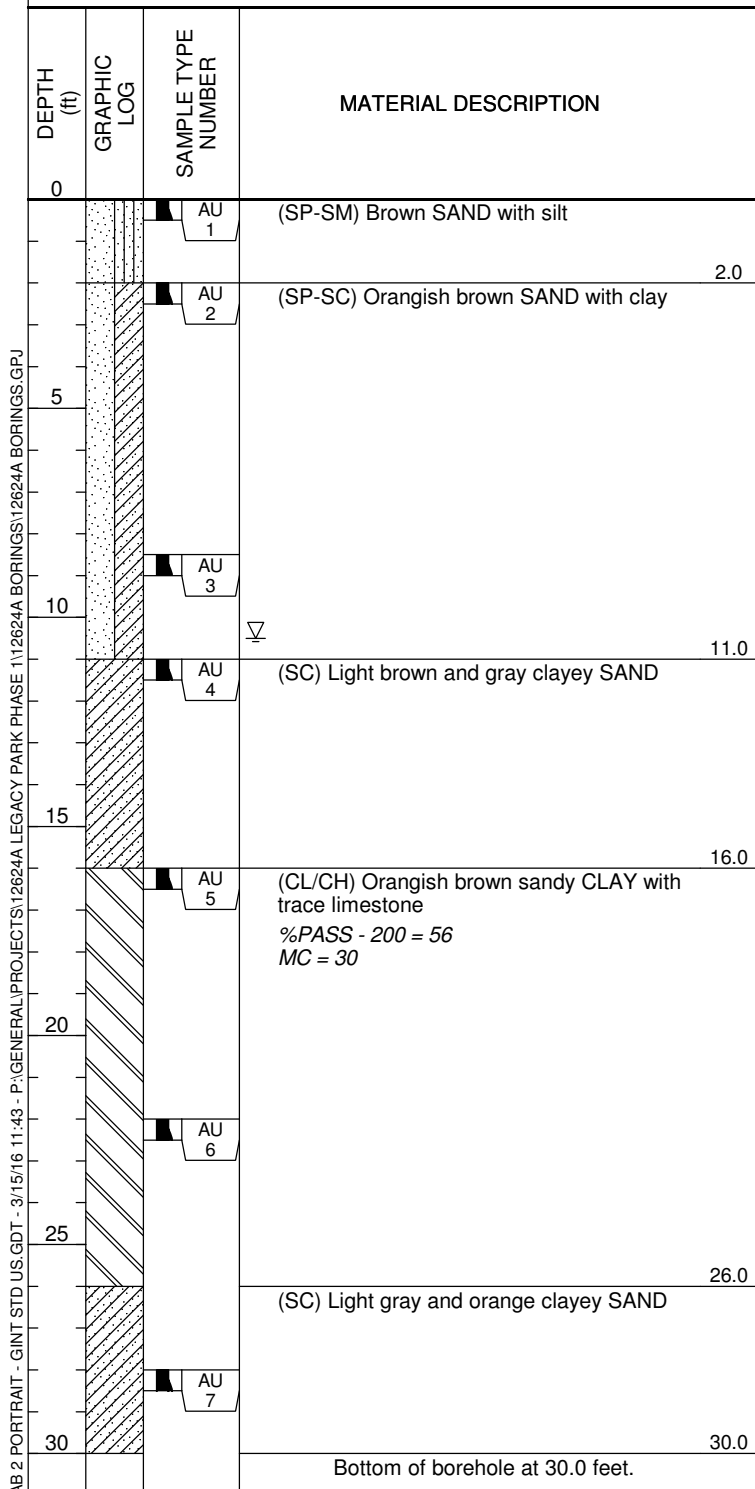
DRILLING CONTRACTOR Whitaker Drilling, Inc.

GROUND WATER LEVELS: LOGGED BY WDI

▼ AT TIME OF DRILLING NE CHECKED BY JEG

▽ ESTIMATED SEASONAL HIGH 10.5 ft

NOTES _____





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CLIENT CHW Professional Consultants

PROJECT NAME Legacy Park Phase I

PROJECT NUMBER 12624

PROJECT LOCATION Alachua, Alachua County, Florida

DATE PERFORMED 1/4/2016 **BORING NUMBER A-1**

DRILLING CONTRACTOR Whitaker Drilling, Inc.

GROUND WATER LEVELS: LOGGED BY WDI

▼ AT TIME OF DRILLING NE CHECKED BY BAP

▽ ESTIMATED SEASONAL HIGH 4.5 ft

NOTES _____

DATE PERFORMED 1/4/2016 **BORING NUMBER A-2**

DRILLING CONTRACTOR Whitaker Drilling, Inc.

GROUND WATER LEVELS: LOGGED BY WDI

▼ AT TIME OF DRILLING NE CHECKED BY BAP

▽ ESTIMATED SEASONAL HIGH >10 ft

NOTES _____

AB 2 PORTRAIT - GINT STD US.GDT - 1/29/16 14:44 - P:\GENERAL\PROJECTS\12624 LEGACY PARK PHASE I\12624 BORINGS\12624 BORINGS.GPJ

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION	DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0				0.0			
		AU 1	(SP-SM) Brown SAND with silt			AU 1	(SP-SM) Brown SAND with silt
2.5				2.5			
		AU 2	(SC) Brown, tan, and orange clayey SAND			AU 2	(SP-SC) Orangish brown SAND with clay
3.0				3.0			
			▽				
5.0		AU 3	(CH) Brown, green, and orange CLAY with sand	5.0		AU 3	(SC) Brown and tan clayey SAND
		AU 4	(CH) Green CLAY with lenses of pale gray and brown sand				
6.5				6.5			
7.5		AU 5		7.5			
10.0			Bottom of borehole at 10.0 feet.	10.0			Bottom of borehole at 10.0 feet.

(Continued Next Page)



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CLIENT CHW Professional Consultants

PROJECT NAME Legacy Park Phase I

PROJECT NUMBER 12624

PROJECT LOCATION Alachua, Alachua County, Florida

DATE PERFORMED 1/4/2016 **BORING NUMBER A-3**

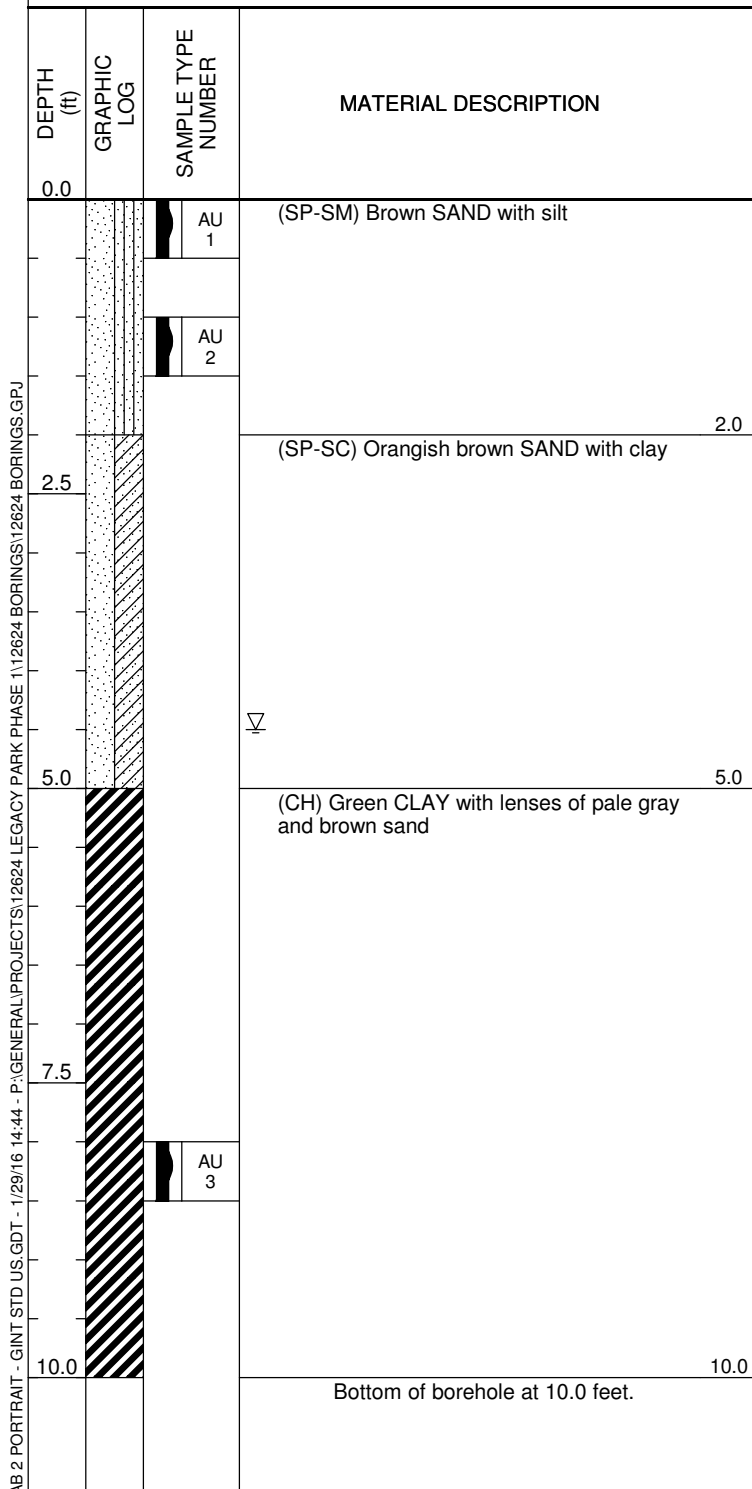
DRILLING CONTRACTOR Whitaker Drilling, Inc.

GROUND WATER LEVELS: LOGGED BY WDI

▼ AT TIME OF DRILLING NE CHECKED BY BAP

▽ ESTIMATED SEASONAL HIGH 4.5 ft

NOTES _____



5.2 Standard Penetration Test Soil Boring Logs



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BORING NUMBER B-1

CLIENT CHW Professional Consultants

PROJECT NAME Legacy Park Phase I

PROJECT NUMBER 12624

PROJECT LOCATION Alachua, Alachua County, Florida

DATE STARTED 1/4/16 **COMPLETED** 1/4/16

GROUND ELEVATION **HOLE SIZE**

DRILLING CONTRACTOR Whitaker Drilling, Inc.

GROUND WATER LEVELS:

DRILLING METHOD Flight Auger

▼ **AT TIME OF DRILLING** NE

LOGGED BY WDI **CHECKED BY** BAP

▼ **ESTIMATED SEASONAL HIGH** 4.0 ft

NOTES

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	CONTACT DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	LIQUID LIMIT, %	PLASTIC LIMIT, %	PLASTICITY INDEX	PERCENT PASS NO. 200 SIEVE	MOISTURE CONTENT, %	▲ SPT N VALUE ▲
0											20 40 60 80
		(SP-SM) Very loose brown SAND with silt		SPT 1	2-2-2 (4)						
			3.5	SPT 2	5-4-4 (8)						
		▽ (SP-SM) Loose pale gray cemented SAND with silt	4.5	SPT 3	5-6-5 (11)						
5		(CH) Stiff green, orange, and red CLAY with sand	6	SPT 4	4-5-8 (13)						
		(SC) Medium dense green and orange clayey SAND		SPT 5	10-11-9 (20)						
			9	SPT 6	3-5-6 (11)						
10		(CH) Stiff green, orange, and red CLAY with sand									
				SPT 7	3-4-5 (9)						
15											
			19	SPT 8	4-7-7 (14)						
20		(SC) Loose to medium dense pale gray clayey SAND									
				SPT 9	3-5-4 (9)						
25											
			27								
		(CH) Stiff pale gray CLAY with sand and limestone fragments		SPT 10	3-5-7 (12)						
30		Bottom of borehole at 30.0 feet.	30								

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BORING NUMBER B-2

CLIENT CHW Professional Consultants

PROJECT NAME Legacy Park Phase I

PROJECT NUMBER 12624

PROJECT LOCATION Alachua, Alachua County, Florida

DATE STARTED 1/4/16 COMPLETED 1/4/16

GROUND ELEVATION HOLE SIZE

DRILLING CONTRACTOR Whitaker Drilling, Inc.

GROUND WATER LEVELS:

DRILLING METHOD Flight Auger

▼ AT TIME OF DRILLING NE

LOGGED BY WDI CHECKED BY BAP

▽ ESTIMATED SEASONAL HIGH 5.5 ft

NOTES

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DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	CONTACT DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	LIQUID LIMIT, %	PLASTIC LIMIT, %	PLASTICITY INDEX	PERCENT PASS NO. 200 SIEVE	MOISTURE CONTENT, %	▲ SPT N VALUE ▲
0		(SP-SM) Very loose brown SAND with silt									20 40 60 80
1.5		(SP-SC) Loose orangish brown SAND with clay	1.5	SPT 1	3-2-2 (4)						
				SPT 2	3-2-3 (5)						
5				SPT 3	2-2-3 (5)						
6		(CH) Stiff gray, green, and orange CLAY with sand	6	SPT 4	3-4-5 (9)						
7		(CH) Very stiff green and orange CLAY with trace limestone	7	SPT 5	6-8-10 (18)						
8.5		(SC) Loose to medium dense pale gray with orange clayey SAND	8.5	SPT 6	11-13-12 (25)						
15				SPT 7	3-4-5 (9)						
18		(SC) Medium dense pale gray with orange clayey SAND with limestone	18	SPT 8	7-7-8 (15)						
24		Very hard LIMESTONE	24	SPT 9	48-50/2" 50/2"						>>
25		Refusal at 25.0 feet. Bottom of borehole at 25.0 feet. Boring terminated at 25 ft due to auger refusal.	25								



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BORING NUMBER B-4

CLIENT CHW Professional Consultants

PROJECT NAME Legacy Park Phase I

PROJECT NUMBER 12624

PROJECT LOCATION Alachua, Alachua County, Florida

DATE STARTED 1/4/16 **COMPLETED** 1/4/16

GROUND ELEVATION **HOLE SIZE**

DRILLING CONTRACTOR Whitaker Drilling, Inc.

GROUND WATER LEVELS:

DRILLING METHOD Flight Auger

▼ **AT TIME OF DRILLING** NE

LOGGED BY WDI **CHECKED BY** BAP

▽ **ESTIMATED SEASONAL HIGH** 21.5 ft

NOTES

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	CONTACT DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	LIQUID LIMIT, %	PLASTIC LIMIT, %	PLASTICITY INDEX	PERCENT PASS NO. 200 SIEVE	MOISTURE CONTENT, %	▲ SPT N VALUE ▲
0											20 40 60 80
		(SP-SC) Very loose to loose orangish brown SAND with clay		SPT 1	6-4-3 (7)						
				SPT 2	1-2-1 (3)						
5		Weight-of-hammer from approximately 4.5 ft to 5 ft		SPT 3	1-0-1 (1)						
			7	SPT 4	1-1-2 (3)						
		(SP-SC) Very loose to loose brown SAND with clay		SPT 5	1-2-2 (4)						
				SPT 6	1-2-2 (4)						
10											
				SPT 7	2-2-3 (5)						
15											
				SPT 8	2-4-5 (9)						
20											
			22								
		(SC) Medium dense gray and brown very clayey SAND		SPT 9	4-5-7 (12)				41	28	
25											
				SPT 10	5-5-6 (11)						
30		Bottom of borehole at 30.0 feet.	30								

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BORING NUMBER B-5

CLIENT CHW Professional Consultants

PROJECT NAME Legacy Park Phase I

PROJECT NUMBER 12624

PROJECT LOCATION Alachua, Alachua County, Florida

DATE STARTED 1/4/16 COMPLETED 1/4/16

GROUND ELEVATION HOLE SIZE

DRILLING CONTRACTOR Whitaker Drilling, Inc.

GROUND WATER LEVELS:

DRILLING METHOD Flight Auger

▼ AT TIME OF DRILLING NE

LOGGED BY WDI CHECKED BY BAP

▽ ESTIMATED SEASONAL HIGH >22.5 ft

NOTES

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	CONTACT DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	LIQUID LIMIT, %	PLASTIC LIMIT, %	PLASTICITY INDEX	PERCENT PASS NO. 200 SIEVE	MOISTURE CONTENT, %	▲ SPT N VALUE ▲
0											20 40 60 80
5		(SP-SC) Very loose orangish brown SAND with clay		SPT 1	3-2-1 (3)						
				SPT 2	1-1-1 (2)						
				SPT 3	1-1-1 (2)						
				SPT 4	1-1-2 (3)						
			8.5	SPT 5	2-2-2 (4)						
10		(SC) Loose to medium dense gray and brown clayey SAND		SPT 6	6-7-8 (15)						
15				SPT 7	3-3-5 (8)						
			18								
20		(SC) Medium dense pale gray and orange clayey SAND with limestone		SPT 8	3-5-9 (14)						
			22.5								
		Bottom of borehole at 22.5 feet. Boring terminated due to hard drilling.		SPT 9	50/0"						>>



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BORING NUMBER B-6

CLIENT CHW Professional Consultants

PROJECT NAME Legacy Park Phase I

PROJECT NUMBER 12624

PROJECT LOCATION Alachua, Alachua County, Florida

DATE STARTED 1/4/16 **COMPLETED** 1/4/16

GROUND ELEVATION **HOLE SIZE**

DRILLING CONTRACTOR Whitaker Drilling, Inc.

GROUND WATER LEVELS:

DRILLING METHOD Flight Auger

▼ **AT TIME OF DRILLING** NE

LOGGED BY WDI **CHECKED BY** BAP

▽ **ESTIMATED SEASONAL HIGH** 12.0 ft

NOTES

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	CONTACT DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	LIQUID LIMIT, %	PLASTIC LIMIT, %	PLASTICITY INDEX	PERCENT PASS NO. 200 SIEVE	MOISTURE CONTENT, %	▲ SPT N VALUE ▲
0											20 40 60 80
5		(SP-SC) Very loose to loose orangish brown SAND with clay		SPT 1	4-4-2 (6)						
				SPT 2	2-1-1 (2)						
				SPT 3	1-1-1 (2)						
				SPT 4	1-1-2 (3)						
				SPT 5	1-2-2 (4)						
10				SPT 6	3-3-3 (6)						
			12.5								
15		(CH) Firm to stiff pale gray, green, and orange CLAY with sand		SPT 7	4-6-7 (13)						
20				SPT 8	3-4-4 (8)						
			22								
25		(SC) Loose pale gray with orange clayey SAND		SPT 9	2-3-4 (7)						
30			30	SPT 10	2-3-3 (6)						
		Bottom of borehole at 30.0 feet.									

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BORING NUMBER B-7

CLIENT CHW Professional Consultants

PROJECT NAME Legacy Park Phase I

PROJECT NUMBER 12624

PROJECT LOCATION Alachua, Alachua County, Florida

DATE STARTED 1/4/16 **COMPLETED** 1/5/16

GROUND ELEVATION **HOLE SIZE**

DRILLING CONTRACTOR Whitaker Drilling, Inc.

GROUND WATER LEVELS:

DRILLING METHOD Flight Auger

▼ **AT TIME OF DRILLING** NE

LOGGED BY WDI **CHECKED BY** BAP

▽ **ESTIMATED SEASONAL HIGH** 6.5 ft

NOTES

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	CONTACT DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	LIQUID LIMIT, %	PLASTIC LIMIT, %	PLASTICITY INDEX	PERCENT PASS NO. 200 SIEVE	MOISTURE CONTENT, %	▲ SPT N VALUE ▲
0		(SP-SC) Very loose orangish brown SAND with clay									20 40 60 80
		Weight-of-hammer from approximately 3 ft to 3.5 ft	4	SPT 1	1-1-1 (2)						
				SPT 2	1-0-1 (1)						
5		(SC) Medium dense pale gray and orange clayey SAND with cemented sand		SPT 3	5-6-6 (12)						
	▽		7	SPT 4	4-6-8 (14)						
		(CH) Firm to stiff green with orange and red CLAY		SPT 5	5-8-7 (15)	122	26	96	88	54	
10				SPT 6	8-7-8 (15)						
15			17	SPT 7	2-3-4 (7)						
		(SC) Medium dense pale gray clayey SAND		SPT 8	3-5-6 (11)						
20				SPT 9	4-6-9 (15)						
25				SPT 10	7-6-9 (15)						
30		Bottom of borehole at 30.0 feet.	30								

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BORING NUMBER B-8

CLIENT CHW Professional Consultants

PROJECT NAME Legacy Park Phase I

PROJECT NUMBER 12624

PROJECT LOCATION Alachua, Alachua County, Florida

DATE STARTED 1/4/16 **COMPLETED** 1/5/16

GROUND ELEVATION **HOLE SIZE**

DRILLING CONTRACTOR Whitaker Drilling, Inc.

GROUND WATER LEVELS:

DRILLING METHOD Flight Auger

▼ **AT TIME OF DRILLING** NE

LOGGED BY WDI **CHECKED BY** BAP

▽ **ESTIMATED SEASONAL HIGH** 11.5 ft

NOTES

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	CONTACT DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	LIQUID LIMIT, %	PLASTIC LIMIT, %	PLASTICITY INDEX	PERCENT PASS NO. 200 SIEVE	MOISTURE CONTENT, %	▲ SPT N VALUE ▲
0											20 40 60 80
		(SP-SM) Very loose brown SAND with silt									
		(SP-SC) Very loose orangish brown SAND with clay	1.5	SPT 1	1-1-1 (2)						
		Weight-of-hammer from approximately 3 ft to 3.5 ft		SPT 2	1-0-1 (1)						
5				SPT 3	1-1-1 (2)						
			7	SPT 4	1-2-2 (4)						
		(SC) Loose light brown with orange clayey SAND		SPT 5	4-4-4 (8)						
10				SPT 6	4-4-5 (9)						
		▽	12								
		(CH) Stiff green with orange CLAY with sand		SPT 7	3-5-5 (10)						
15											
				SPT 8	4-4-6 (10)						
20			21								
		(SC) Medium dense pale gray clayey SAND with lenses of green clay		SPT 9	4-5-7 (12)						
25											
				SPT 10	6-8-8 (16)						
30		Bottom of borehole at 30.0 feet.	30								

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5.3 Laboratory Results



SUMMARY REPORT OF LABORATORY TEST RESULTS

Project Number: 12624

Project Name: Legacy Park Phase I

ASTM D2216, D1140, D4318

Boring Number	Depth (ft)	Soil Description	Natural Moisture Content (%)	Liquid Limit	Plastic Limit	Plasticity Index	Percent Passing No. 200 Sieve	Coefficient of Permeability (ft/day)	Unified Soil Classification
P-13	8-10	Orangish Brown Clayey SAND	12	--	--	--	22	--	SC
P-8	6-8	Orangish Brown Clayey SAND	11	--	--	--	14	--	SC
P-17	4-6	Orangish Brown Clayey SAND	8.1	--	--	--	12	--	SC
P-4	6-9	Brown SAND with Silt	6.1	--	--	--	9.5	11	SP-SM
P-7	3-5	Orangish Brown Clayey SAND	11	--	--	--	14	1.3	SC
P-2	8-10	Orangish Brown SAND with Clay	5.6	--	--	--	8.1	31	SP-SC
P-9	13-15	Dark Brown Clayey SAND	12	--	--	--	15	0.5	SC
P-16	4-6	Brown with Orange Clayey SAND with Rock Fragments	13	--	--	--	19	--	SC
P-9	3.5-4.5	Orangish Brown Clayey SAND	11	--	--	--	14	1.1	SC
R-7	5.5-6.0	Tan, Brown, and Orange Very Clayey SAND with Rock Fragments	27	57	28	29	39	--	SC
R-11	7.0-7.5	Gray, Green, and Orange Very Clayey SAND	24	--	--	--	43	--	SC
B-1	4.0-5.5	Green, Orange, and Red CLAY with Sand	47	85	32	53	71	--	CH
B-7	7.0-8.5	Green with Orange and Red CLAY	54	122	26	96	88	--	CH
B-4	23.5-25	Gray and Brown Very Clayey SAND	28	--	--	--	41	--	SC



Engineering & Consulting, Inc.

SUMMARY REPORT OF LABORATORY TEST RESULTS

Project Number: 12624A

Project Name: Legacy Park Phase 1

Boring Number	Depth (ft)	Soil Description	Natural Moisture Content (%)	Liquid Limit	Plastic Limit	Plasticity Index	Percent Passing No. 200 Sieve	Hydraulic conductivity (ft/day)	Unified Soil Classification
P-19	3-5	Orangish Brown Silty SAND with Clay	16				17	1.1	SM-SC
P-20	1-3	Orangish Brown Silty SAND with Clay	14				17	0.3	SM-SC
P-23	2-5	Orangish Brown SAND with Clay	5.2				7.6	24	SP-SC
P-24	2-5	Orangish Brown SAND with Clay	5.7				7.5	9.9	SP-SC
P-23	17.5-18	Gray and Orange Very Clayey SAND	25				34		SC
P-26	16-16.5	Orangish Brown Sandy CLAY with Trace Limestone	30				56		CL/CH
P-26	22-22.5	Orangish Brown Sandy CLAY with Trace Limestone	36				60		CL/CH
P-20	10-10.5	Green and Orange CLAY with Sand	53				82		CL/CH

5.4 Key to Soil Classification

KEY TO SOIL CLASSIFICATION CHART

Criteria for Assigning Group Symbols and Group Names Using Laboratory Tests				SYMBOLS		GROUP NAME	
				GRAPHIC	LETTER		
COARSE-GRAINED SOILS	Gravels	Clean Gravels	$Cu \geq 4$ and $1 \leq Cc \leq 3$		GW	Well graded GRAVEL	
	More than 50% retained on No. 200 sieve	More than 50% of coarse fraction retained on No. 4 sieve	Less than 5% fines	$Cu < 4$ and/or $1 > Cc > 3$		GP	Poorly graded GRAVEL
			Gravels with fines	Fines classify as ML or MH		GM	Silty GRAVEL
			More than 12% fines	Fines classify as CL or CH		GC	Clayey GRAVEL
			Sands	Clean Sands	$Cu \geq 6$ and $1 \leq Cc \leq 3$		SW
	50% or more of coarse fraction passes No. 4 sieve		Less than 5% fines	$Cu < 6$ and/or $1 > Cc > 3$		SP	Poorly graded SAND
			Sand with fines	Fines classify as ML or MH		SP-SM	SAND with silt
			$5\% \leq \text{fines} < 12\%$	Fines classify as CL or CH		SP-SC	SAND with clay
			Sand with fines	Fines classify as ML or MH		SM	Silty SAND
			$12\% \leq \text{fines} < 30\%$	Fines classify as CL or CH		SC	Clayey SAND
			Sand with fines	Fines classify as ML or MH		SM	Very silty SAND
			30% fines or more	Fines classify as CL or CH		SC	Very clayey SAND
	FINE-GRAINED SOILS	Clays	inorganic	$50\% \leq \text{fines} < 70\%$		CL/CH	Sandy CLAY
$70\% \leq \text{fines} < 85\%$					CL/CH	CLAY with sand	
$\text{fines} \geq 85\%$					CL/CH	CLAY	
Sils and Clays		inorganic	$PI > 7$ and plots on/above "A" line		CL	Lean CLAY	
			$PI < 4$ or plots below "A" line		ML	SILT	
Liquid Limit less than 50		organic	Liquid Limit - oven dried < 0.75		OL	Organic clay	
			Liquid Limit - not dried		OL	Organic silt	
Sils and Clays		inorganic	PI plots on or above "A" line		CH	Fat CLAY	
			PI plots below "A" line		MH	Elastic SILT	
Liquid Limit 50 or more		organic	Liquid Limit - oven dried < 0.75		OH	Organic clay	
	Liquid Limit - not dried			OH	Organic silt		
HIGHLY ORGANIC SOILS	Primarily organic matter, dark in color, and organic odor				PT	PEAT	

CORRELATION OF PENETRATION RESISTANCE WITH RELATIVE DENSITY AND CONSISTENCY

No. OF BLOWS, N	RELATIVE DENSITY		No. OF BLOWS, N	CONSISTENCY
0 - 4	Very Loose		0 - 2	Very Soft
5 - 10	Loose		3 - 4	Soft
SANDS: 11 - 30	Medium dense	SILTS &	5 - 8	Firm
31 - 50	Dense	CLAYS:	9 - 15	Stiff
OVER 50	Very Dense		16 - 30	Very Stiff
			31 - 50	Hard
			OVER 50	Very Hard

No. OF BLOWS, N	RELATIVE DENSITY
0 - 8	Very Soft
9 - 18	Soft
LIMESTONE: 19 - 32	Moderately Hard
33 - 50	Hard
OVER 50	Very Hard

SAMPLE GRAPHIC TYPE LEGEND



Location
of SPT
Sample



Location
of Auger
Sample

PARTICLE SIZE IDENTIFICATION

BOULDERS:	Greater than 300 mm
COBBLES:	75 mm to 300 mm
GRAVEL:	Coarse - 19.0 mm to 75 mm
	Fine - 4.75 mm to 19.0 mm
SANDS:	Coarse - 2.00 mm to 4.75 mm
	Medium - 0.425 mm to 2.00 mm
	Fine - 0.075 mm to 0.425 mm
SILTS & CLAYS:	Less than 0.075 mm

LABORATORY TEST LEGEND

LL	=	Liquid Limit, %
PL	=	Plastic Limit, %
PI	=	Plasticity Index, %
% PASS - 200	=	Percent Passing the No. 200 Sieve
MC	=	Moisture Content, %
ORG	=	Organic Content, %
k_h	=	Horizontal Hydraulic Conductivity, ft/day

6.0 LIMITATIONS

6.1 Warranty

This report has been prepared for our client for his exclusive use, in accordance with generally accepted soil and foundation engineering practices, and makes no other warranty either expressed or implied as to the professional advice provided in the report.

6.2 Auger and SPT Borings

The determination of soil type and conditions was performed from the ground surface to the maximum depth of the borings, only. Any changes in subsurface conditions that occur between or below the borings would not have been detected or reflected in this report.

Soil classifications that were made in the field are based upon identifiable textural changes, color changes, changes in composition or changes in resistance to penetration in the intervals from which the samples were collected. Abrupt changes in soil type, as reflected in boring logs and/or cross sections may not actually occur, but instead, be transitional.

Depth to the water table is based upon observations made during the performance of the auger and SPT borings. This depth is an estimate and does not reflect the annual variations that would be expected in this area due to fluctuations in rainfall and rates of evapotranspiration.

6.3 Site Figures

The measurements used for the preparation of the figures in this report were made using the provided site plan and by estimating distances from existing structures and site features. Figures in this report were not prepared by a licensed land surveyor and should not be interpreted as such.

6.4 Unanticipated Soil Conditions

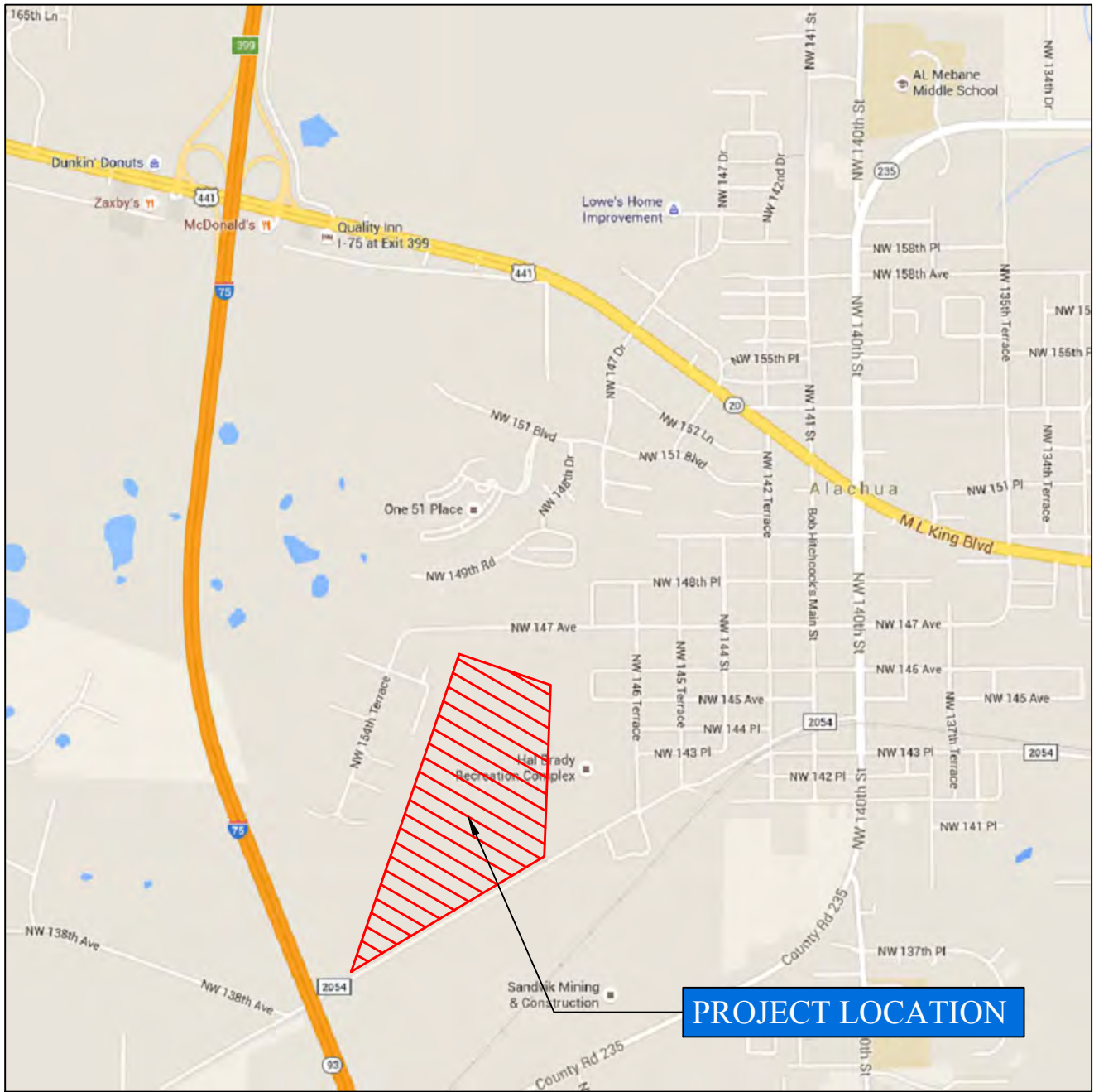
The analysis and recommendations submitted in this report are based upon the data obtained from soil borings performed at the locations indicated on Figure 2. This report does not reflect any variations that may occur between these borings.

The nature and extent of variations between borings may not become known until excavation begins. If variations appear, we may have to re-evaluate our recommendations after performing on-site observations and noting the characteristics of any variations.

6.5 Misinterpretation of Soil Engineering Report

GSE Engineering & Consulting, Inc. is responsible for the conclusions and opinions contained within this report based upon the data relating only to the specific project and location discussed herein. If others make the conclusions or recommendations based upon the data presented, those conclusions or recommendations are not the responsibility of GSE.

FIGURES



LEGACY PARK PHASE I
ALACHUA, ALACHUA COUNTY, FLORIDA
GSE PROJECT NO. 12624A

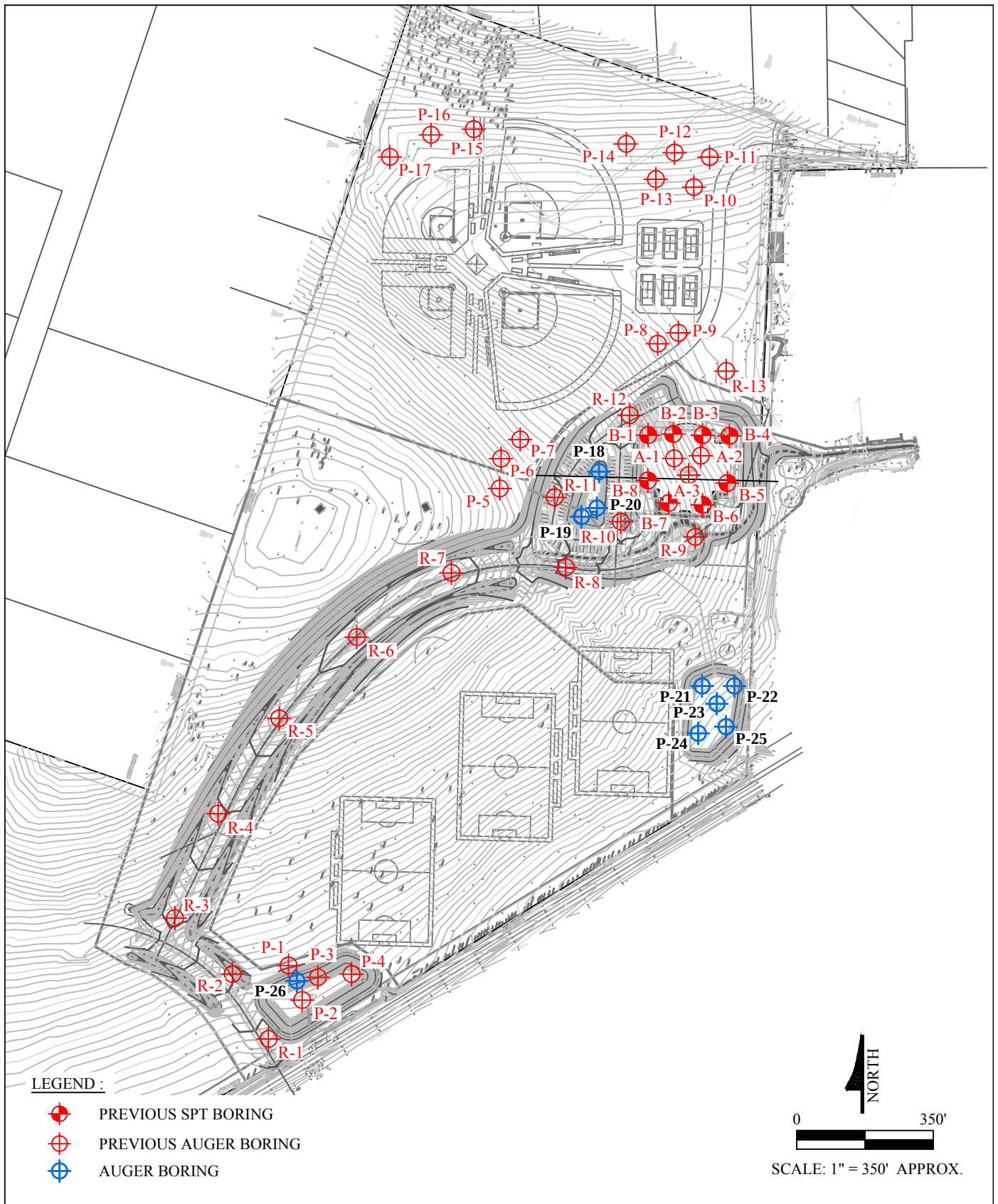
PROJECT SITE LOCATION MAP

DESIGNED BY : JEG
CHECKED BY : KLH
DRAWN BY : JMG



FIGURE

1



LEGACY PARK PHASE I
 ALACHUA, ALACHUA COUNTY, FLORIDA
 GSE PROJECT NO. 12624A

SITE PLAN SHOWING APPROXIMATE
 LOCATIONS OF FIELD TESTS

DESIGNED BY : JEG
 CHECKED BY : KLH
 DRAWN BY : JMG



FIGURE
 2