City of Brookhaven

Public Works Department

Peachtree Creek Greenway Trail from Atlanta to North Druid Hills Road – Phase II

GDOT PI# 0016053

Request for Conditional Letter of Map Revision (CLOMR)

DeKalb County

January 2024

Prepared By:

H&L
A BCC COMPANY

FEMA Coordination Required

Community Coordination Required

Peachtree Creek Greenway Trail from Atlanta to North Druid Hills Road – Phase II
City of Brookhaven
Dekalb County, Georgia

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1. Introduction

The city of Brookhaven is proposed to construct a new multi-use trail along North Fork Peachtree Creek. The Peachtree Creek Greenway (PCG) Phase II seeks to construct this portion of the gap between the existing Peachtree Creek Greenway Phase I and the Cheshire Farm Trail. This project continues the Peachtree Creek Greenway from the existing Phase I trail head at North Druid Hills Road (SR 42) south/west to the Brookhaven and Atlanta City limit line. The project consists of paved trails, fabricated steel trusses and other concrete bridge structures.

This submittal is a request for a Conditional Letter of Map Revision (CLOMR) for North Fork Peachtree Creek in the city of Brookhaven, Dekalb County, Georgia. The portions of North Fork Peachtree Creek containing the project area is designated at Zone AE with a regulatory floodway on Flood Insurance Rate Map (FIRM) Number 13089C0054K, Dated August 15, 2019 by the Federal Emergency Management Agency (FEMA). Base Elevations (BFE) have therefore been determined and the floodway has been established.

This study aims to revise the floodway and floodway fringe boundaries of North Fork Peachtree Creek due to the additions of Phase II of the Peachtree Creek Greenway. This CLOMR is based on submission of detailed data and proposes physical changes/additions within the established FEMA floodway and floodway fringe. The project requires a CLOMR prior to construction followed by a LOMR after completed construction due to proposed fill/cuts within the limits of the floodway, rise in water surface elevations more than 0.00 ft. and floodway revisions for the Peachtree Creek flooding source.

2. Table 1 - Changes to FEMA Model

Cross Section Station	Duplicate Effective Model	Corrected Effective Model	Proposed Condition Model
6189	No Changes	Removed Ineffective Flow Areas	Removed Ineffective Flow Areas
6118 U	No Changes	Removed Ineffective Flow Areas	Removed Ineffective Flow Areas
6118 D	No Changes	No Changes	No Changes
6074	No Changes	Removed Ineffective Flow Areas	Removed Ineffective Flow Areas
5891	No Changes	Removed Ineffective Flow Areas	Removed Ineffective Flow Areas
5577	No Changes	No Changes	No Changes
5259	No Changes	Adjusted Encroachments	Adjusted Encroachments
5042	No Changes	Adjusted Encroachments	Adjusted Encroachments
4938	No Changes	No Changes	No Changes
4838	No Changes	Removed Ineffective Flow Areas	Removed Ineffective Flow Areas
4771 U	No Changes	Removed Ineffective Flow Areas	Removed Ineffective Flow Areas
4771 D	No Changes	Removed Ineffective Flow Areas	Removed Ineffective Flow Areas
4682	No Changes	Removed Ineffective Flow Areas	Added Cut/Fill Section & Removed Ineffective Flow Areas
4516	No Changes	No Changes	Obstruction added
4299		Added XS	Added XS/ Obstruction added
4159	No Changes	No Changes	Obstruction added
3985	No Changes	No Changes	Shifted Encroachment/Fill
3614	No Changes	Shifted Encroachment	Shifted Encroachment/Fill
3334		Added Interpolated XS	Added Interpolated XS/Fill
3184	No Changes	Shifted Encroachment	Shifted Encroachment/Cut/Fill
3021	No Changes	Removed Ineffective Flow Areas	Added Cut Section Removed Ineffective Flow Areas
2966 U	No Changes	Removed Ineffective Flow Areas	Removed Ineffective Flow Areas
2966 D	No Changes	No Changes	No Changes
2863	No Changes	No Changes	No Changes
2704	No Changes	No Changes	Obstruction added/Shifted Encroachment
2322	No Changes	No Changes	Obstruction added/Shifted Encroachment
1905	No Changes	No Changes	Obstruction added
1795		Added XS	Added XS/ Obstruction added
1537	No Changes	No Changes	Obstruction added
1168	No Changes	No Changes	Obstruction added
824	No Changes	No Changes	No Changes
429	No Changes	No Changes	Obstruction added

3. Hydraulic Study

North Fork Peachtree Creek runs North to South from just outside the Atlanta Perimeter and discharges into the Chattahoochee River. The drainage basin is 34.4 square miles. USGS Streamstats was used to obtain drainage areas. See Appendix A for Streamstats data.

Discharges were used from FEMA Federal Insurance Study Table 2 - Summary of Discharges. See Table below.

Table 2 – Summary of FEMA Discharges

Flooding Source and Location	Drainage Area (square miles)	Peak Discharges (cubic feet per second) 10-Percent-Annual-Chance	2-Percent-Annual-Chance	1-Percent-Annual-Chance	0.2-Percent-Annual-Chance
NORTH FORK PEACHTREE CREEK					
At DeKalb/Fulton County Boundary	35.54	12,210	16,980	19,398	26,024
Upstream of Buford Highway	35.30	12,186	16,947	19,361	26,002

The extent of the FEMA Model runs from beyond Seasons Pkwy NW Bridge to the north at station 58850 to south of Buford Hwy Bridge at station 283. Regarding North Fork Peachtree Creek Greenway, the extent of changes to the FEMA model will fall between stations 429 and 6118.

4. Hydraulic Analysis

4.1. FW Duplicate Effective Model

The existing FEMA hydrological model and Flood Insurance Study for Peachtree Creek Greenway were obtained from FEMA. The model was imported from HEC-RAS 5.0.7 and updated to HEC-RAS 6.2.

4.2. Corrected Effective Model

The Corrected Effective Model was updated to reflect changes in geometry that may have occurred since the FEMA FW model was conducted. The Corrected Effective Model includes the addition of added cross sections in regions where new structures may be added into the floodplain and flood fringe. Changes to the FEMA Models are outlined above in Table 1 – Changes to FEMA Model.

4.3. Proposed Model

The Proposed Model was created using the Corrected Effective Model's geometry with the addition of any obstructions caused by the proposed trail/structures as well as any fill or cuts being added within the limits of the floodway. Changes in encroachments areas are outlined above in Table 1 – Changes to FEMA Model.

5. Property Owner Notification

This CLOMR Submittal includes a draft notification template in appendix D.

6. Alternate Feasibility

Alternates were investigated to determine the feasibility of completing the proposed project with a no rise in the Base Flood Elevation (BFE). To achieve a no rise in the BFE the proposed trail would need to be relocated along existing Buford Highway due to the width of the North Fork Peachtree Creek floodplain. The resulting impacts would decrease the traffic capacity along Buford Highway, require significant utility relocations, and impact property owners due to displacements of parking. The alignment would also cross many commercial driveways creating numerous conflict points between vehicles, bicyclists, and pedestrians. Relocating the trail to Buford Highway would not be of any additional cost. However, this alternate does not mimic the intent and style of the Peachtree Creek Greenway – Phase I.

A no-build option was considered in the initial project Concept Report. However, this option was not chosen since it did not meet the overall trail plan of completing the Peachtree Creek Greenway corridor.

7. Conclusions

After hydraulic analysis it is anticipated that a CLOMR and subsequent LOMR will be required due to an increase in water surface elevations of more than 0.01 feet between the corrected effective and the proposed in both the base flood and floodway models.

FLOODWAY COMPARISON

HEC-RAS Stationing	FEMA Published Station	Flood Insurance Study		Run	Discharge (CFS)	Duplicate Effective Model			Corrected Effective Model			Proposed Model			Difference Between Proposed and Corrected Effective WSE	Difference Between Proposed and Corrected Effective Top Widths
		WSE w/o Floodway	WSE with Floodway			WSE	Δ WSE	Top Width (ft)	WSE	Δ WSE	Top Width (ft)	WSE	Δ WSE	Top Width (ft)		
6189				100-Yr W/Out Floodway	18555.97	838.90		729.26	838.90		729.26	838.90		729.27	0.00	0.01
				100-Yr W/ Floodway	18555.97	839.50	0.59	405.66	*839.49	*0.59	405.66	*839.50	*0.60	405.66	0.00	0.00
6118	Corporate Blvd Bridge															
6074	J	837.9	838.0	100-Yr W/Out Floodway	18555.97	837.93		190.47	837.94		190.68	837.96		191.60	0.02	0.92
				100-Yr W/ Floodway	18555.97	837.98	0.05	192.13	837.96	0.02	190.68	837.98	0.03	191.56	0.02	0.88
5891				100-Yr W/Out Floodway	18555.97	837.12		295.38	837.12		295.49	837.15		295.98	0.03	0.49
				100-Yr W/ Floodway	18555.97	837.18	0.07	295.33	837.15	0.03	295.33	837.18	0.04	295.33	0.03	0.00
5577				100-Yr W/Out Floodway	18555.97	836.47		219.17	836.47		220.03	836.5		227.04	0.03	7.01
				100-Yr W/ Floodway	18555.97	836.55	0.08	216.97	836.51	0.03	216.97	836.54	0.04	216.97	0.03	0.00
5259	I	834.5	834.6	100-Yr W/Out Floodway	18555.97	834.39		149.75	834.40		150.02	834.45		152.25	0.05	2.23
				100-Yr W/ Floodway	18555.97	834.51	0.12	129.80	834.45	0.05	129.80	834.50	0.05	129.80	0.05	0.00
5042				100-Yr W/Out Floodway	18555.97	834.65		173.47	834.66		173.50	834.71		173.63	0.05	0.13
				100-Yr W/ Floodway	18555.97	834.65	-0.01	153.82	834.66	0.00	159.84	834.72	0.01	159.93	0.06	0.09
4938				100-Yr W/Out Floodway	18555.97	833.70		146.60	833.72		146.72	833.77		147.27	0.05	0.55
				100-Yr W/ Floodway	18555.97	833.91	0.21	146.59	833.80	0.08	146.59	833.87	0.10	146.59	0.07	0.00

Note: *- Difference is less than 0.01'. Error due to rounding.

HEC-RAS Stationing	FEMA Published Station	Flood Insurance Study		Run	Discharge (CFS)	Duplicate Effective Model			Corrected Effective Model			Proposed Model			Difference Between Proposed and Corrected Effective WSE	Difference Between Proposed and Corrected Effective Top Widths
		WSE w/o Floodway	WSE with Floodway			WSE	Δ WSE	Top Width (ft)	WSE	Δ WSE	Top Width (ft)	WSE	Δ WSE	Top Width (ft)		
4838	H	834.5	834.7	100-Yr W/Out Floodway	18555.97	834.49		186.90	834.49		186.89	834.53		187.07	0.04	0.18
				100-Yr W/ Floodway	18555.97	834.67	0.18	186.89	834.56	0.08	186.89	834.62	0.09	186.89	0.06	0.00
4771	North Druid Hills Rd Bridge															
4682				100-Yr W/Out Floodway	18555.97	833.80		165.45	833.71		164.94	833.76		165.83	0.05	0.89
				100-Yr W/ Floodway	18555.97	834.01	0.21	165.43	833.80	0.09	164.94	833.86	0.10	164.94	0.06	0.00
4516	G	831.7	832.0	100-Yr W/Out Floodway	18555.97	831.67		114.00	831.72		114.13	831.73		112.16	0.01	-1.97
				100-Yr W/ Floodway	18555.97	831.99	0.31	114.00	831.85	0.13	114.00	831.88	0.14	112.00	0.03	-2.00
4299				100-Yr W/Out Floodway	18555.97	--		--	831.48		128.22	831.51		128.36	0.03	0.14
				100-Yr W/ Floodway	18555.97	--		--	831.60	0.12	115.00	831.65	0.14	115.00	0.05	0.00
4159				100-Yr W/Out Floodway	18555.97	831.24		133.04	831.31		133.25	831.35		130.80	0.04	-2.45
				100-Yr W/ Floodway	18555.97	831.61	0.37	133.04	831.46	0.14	133.04	831.51	0.16	130.63	0.05	-2.41
3985	F	831.2	831.6	100-Yr W/Out Floodway	18555.97	831.23		159.15	831.30		162.50	831.33		154.21	0.03	-8.29
				100-Yr W/ Floodway	18555.97	831.60	0.38	148.30	831.45	0.15	148.30	831.50	0.17	142.13	0.05	-6.17
3614				100-Yr W/Out Floodway	18555.97	830.91		200.14	830.96		200.20	831.00		200.25	0.04	0.05
				100-Yr W/ Floodway	18555.97	830.93	0.01	171.64	830.98	0.02	170.14	831.03	0.04	170.14	0.05	0.00

HEC-RAS Stationing	FEMA Published Station	Flood Insurance Study		Run	Discharge (CFS)	Duplicate Effective Model			Corrected Effective Model			Proposed Model			Difference Between Proposed and Corrected Effective WSE	Difference Between Proposed and Corrected Effective Top Widths
		WSE w/o Floodway	WSE with Floodway			WSE	Δ WSE	Top Width (ft)	WSE	Δ WSE	Top Width (ft)	WSE	Δ WSE	Top Width (ft)		
3334				100-Yr W/Out Floodway	18555.97	--		--	830.66		265.44	830.66		251.47	0.00	-13.97
				100-Yr W/ Floodway	18555.97	--		--	830.68	0.02	161.45	830.73	0.06	154.15	0.05	-7.30
3184				100-Yr W/Out Floodway	18555.97	830.83		246.33	830.85		246.37	830.87		246.40	0.02	0.03
				100-Yr W/ Floodway	18555.97	830.90	0.07	170.42	830.86	0.00	170.42	830.92	0.05	170.42	0.06	0.00
3021	E	830.2	830.6	100-Yr W/Out Floodway	19361.12	830.25		172.59	830.26		172.66	830.29		172.83	0.03	0.17
				100-Yr W/ Floodway	19361.12	830.56	0.32	172.58	830.46	0.20	172.58	830.52	0.23	172.58	0.06	0.00
2966	Buford Hwy Bridge															
2863	D	829.2	829.4	100-Yr W/Out Floodway	19361.12	829.22		172.66	829.19		172.59	829.18		158.57	-0.01	-14.02
				100-Yr W/ Floodway	19361.12	829.43	0.21	128.26	829.23	0.04	128.26	829.31	0.13	128.26	0.08	0.00
2704				100-Yr W/Out Floodway	19361.12	828.70		258.95	828.71		259.03	828.59		258.17	-0.12	-0.86
				100-Yr W/ Floodway	19361.12	829.10	0.40	157.68	828.88	0.18	157.68	828.79	0.20	157.68	-0.09	0.00
2322	C	825.5	826.4	100-Yr W/Out Floodway	19361.12	825.48		93.63	825.16		92.70	825.19		92.77	0.03	0.07
				100-Yr W/ Floodway	19361.12	826.44	0.96	93.63	826.02	0.86	92.70	826.02	0.84	92.70	0.00	0.00
1905				100-Yr W/Out Floodway	19361.12	823.96		240.47	823.96		240.47	824.03		241.13	0.07	0.66
				100-Yr W/ Floodway	19361.12	824.65	0.69	132.82	824.64	0.68	132.82	824.64	0.61	132.82	0.00	0.00

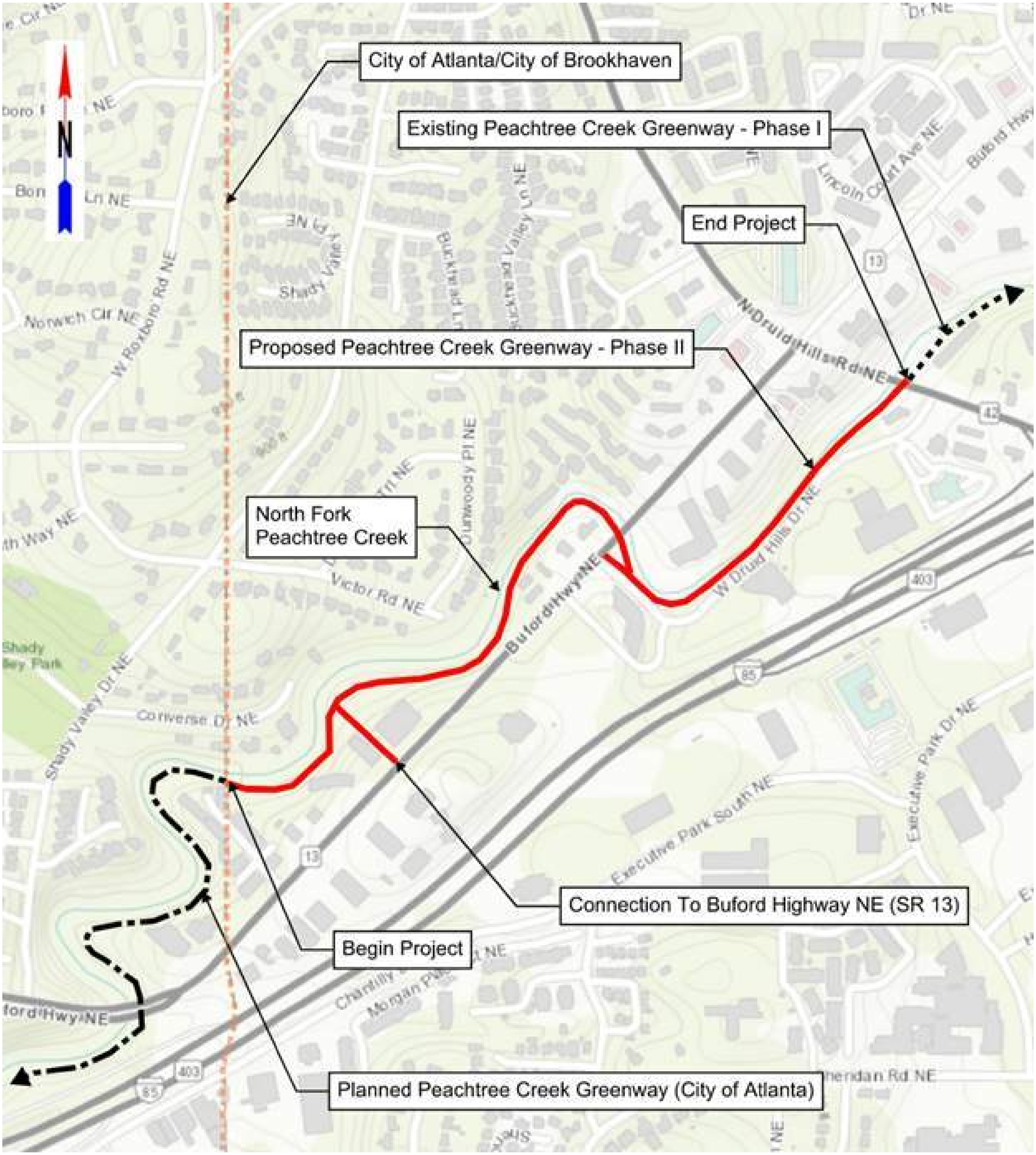
HEC-RAS Stationing	FEMA Published Station	Flood Insurance Study		Run	Discharge (CFS)	Duplicate Effective Model			Corrected Effective Model			Proposed Model			Difference Between Proposed and Corrected Effective WSE	Difference Between Proposed and Corrected Effective Top Widths
		WSE w/o Floodway	WSE with Floodway			WSE	Δ WSE	Top Width (ft)	WSE	Δ WSE	Top Width (ft)	WSE	Δ WSE	Top Width (ft)		
1795				100-Yr W/Out Floodway		--		--	823.96		290.01	824.01		280.33	0.05	-9.68
				100-Yr W/ Floodway		--		--	824.60	0.64	130.00	824.60	0.59	130.00	0.00	0.00
1537	B	823.8	824.3	100-Yr W/Out Floodway	19401.45	823.78		395.46	823.78		395.46	823.71		377.86	-0.07	-17.60
				100-Yr W/ Floodway	19401.45	824.28	0.50	113.44	824.28	0.50	113.44	824.28	0.58	113.44	0.00	0.00
1168				100-Yr W/Out Floodway	19401.45	823.06		186.37	823.06		186.37	823.06		186.37	0.00	0.00
				100-Yr W/ Floodway	19401.45	823.82	0.77	110.00	823.82	0.77	110.00	823.82	0.77	110.00	0.00	0.00
824	A	822.6	823.6	100-Yr W/Out Floodway	19401.45	822.58		145.81	822.58		145.81	822.58		145.81	0.00	0.00
				100-Yr W/ Floodway	19401.45	823.58	1.00	124.20	823.58	1.00	124.20	823.58	1.00	124.20	0.00	0.00
429				100-Yr W/Out Floodway	19398.05	819.72		250.77	819.72		250.77	819.72		250.69	0.00	-0.08
				100-Yr W/ Floodway	19398.05	819.73	0.01	139.50	819.73	0.01	139.50	819.73	0.01	139.50	0.00	0.00

ENCROACHMENT TABLE

Cross Section Station	FEMA Published Station	Published Floodway Widths (ft)	Duplicate Effective Model			Corrected Effective Model			Proposed Model		
			Left Station	Right Station	Encroached Width	Left Station	Right Station	Encroached Width	Left Station	Right Station	Encroached Width
6189			649.34	1055.00	405.66	649.34	1055.00	405.66	649.34	1055.00	405.66
6074	J	192	644.55	872.51	227.96	644.54	872.00	227.46	644.54	872.00	227.46
5891			422.61	717.94	295.33	422.61	717.94	295.33	422.61	717.94	295.33
5577			125.18	342.15	216.97	125.18	342.15	216.97	125.18	342.15	216.97
5259	I	130	175.20	306.80	131.60	175.20	306.80	131.60	175.20	306.80	131.60
5042			308.00	461.82	153.82	302.00	461.93	159.93	302.00	461.93	159.93
4938			368.73	515.32	146.59	368.73	515.32	146.59	368.73	515.32	146.59
4838	H	187	372.63	559.52	186.89	372.63	559.52	186.89	372.63	559.52	186.89
4682			409.90	575.33	165.43	410.01	574.95	164.94	410.01	574.95	164.94
4516	G	114	452.83	566.83	114.00	452.83	566.83	114.00	452.83	566.83	114.00
4299			--	--	--	237.11	352.11	115.00	237.11	352.11	115.00
4159			95.59	228.63	133.04	95.59	228.63	133.04	98.00	228.63	130.63
3985	F	148	147.00	295.30	148.30	147.00	295.30	148.30	154.00	302.30	148.30
3614			234.86	406.50	171.64	264.86	436.50	171.64	264.86	436.50	171.64
3334			--	--	--	154.42	315.87	161.45	154.42	315.87	161.45
3184			83.68	254.10	170.42	98.68	269.10	170.42	102.65	273.07	170.42
3021	E	173	638.54	811.12	172.58	638.54	811.12	172.58	638.54	811.12	172.58
2863	D	128	681.52	809.78	128.26	681.52	809.78	128.26	681.52	809.78	128.26
2704			619.05	776.73	157.68	619.05	776.73	157.68	625.00	782.68	157.68
2322	C	94	106.64	200.27	93.63	107.12	199.82	92.70	107.12	199.82	92.70
1905			72.18	205.00	132.82	72.18	205.00	132.82	72.18	205.00	132.82
1795			--	--	--	99.00	229.00	130.00	99.00	229.00	130.00
1537	B	113	136.56	250.00	113.44	136.56	250.00	113.44	136.56	250.00	113.44
1168			115.00	225.00	110.00	115.00	225.00	110.00	115.00	225.00	110.00
824	A	124	90.80	215.00	124.20	90.80	215.00	124.20	90.80	215.00	124.20
429			68.50	208.00	139.50	68.50	208.00	139.50	68.50	208.00	139.50

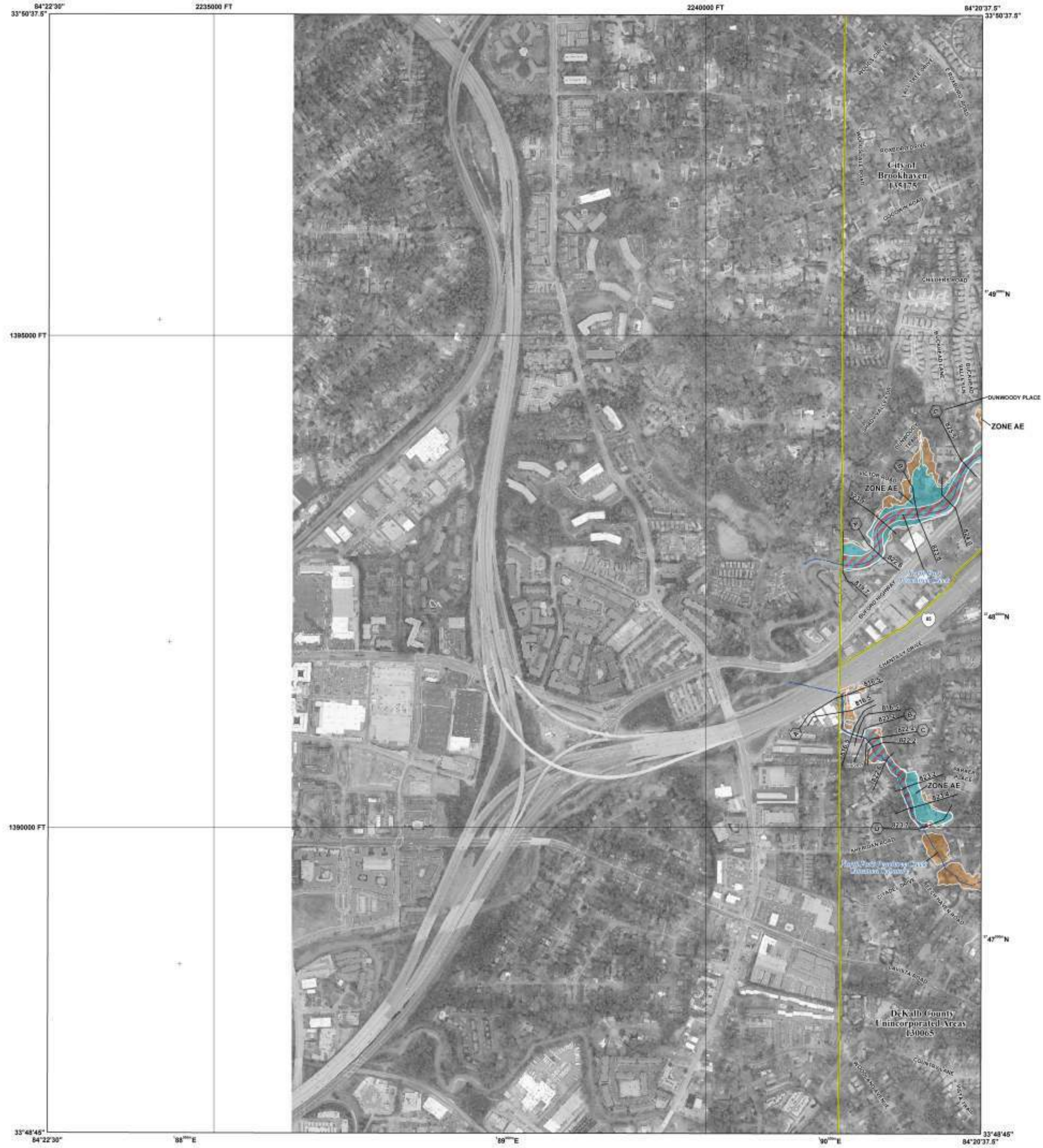
APPENDIX A

Project Location Map


City of Atlanta/City of Brookhaven
Existing Peachtree Creek Greenway - Phase I
End Project
Proposed Peachtree Creek Greenway - Phase II
North Fork
Peachtree Creek
Connection To Buford Highway NE (SR 13)
Begin Project
Planned Peachtree Creek Greenway (City of Atlanta)
N

APPENDIX B

FEMA FLOOD INSURANCE RATE MAP FLOOD INSURANCE STUDY DATA



FLOOD HAZARD INFORMATION

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

THE INFORMATION DEPICTED ON THIS MAP AND SUPPORTING DOCUMENTATION ARE ALSO AVAILABLE IN DIGITAL FORMAT AT

HTTP://MSC.FEMA.GOV

SPECIAL FLOOD HAZARD AREAS	Without Base Flood Elevation (BFE) *Zone A, V, A99*
	With BFE or Depth *Zone AE, AO, AH, VE, AR*
	Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD	0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
	Future Conditions 1% Annual Chance Flood Hazard *Zone X*
	Area with Reduced Flood Risk due to Levee See Notes *Zone X*
	NO SCREEN Area of Minimal Flood Hazard *Zone X*
OTHER AREAS	Area of Undetermined Flood Hazard *Zone D*
GENERAL STRUCTURES	Channel, Culvert, or Storm Sewer
	Levee, Dike, or Floodwall
	(E) 18.2 / 17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
	(8) Coastal Transect
	Coastal Transect Baseline
	Profile Baseline
	Hydrographic Feature
	512 Base Flood Elevation Line (BFE)
OTHER FEATURES	Limit of Study
	Jurisdiction Boundary

NOTES TO USERS

For information and questions about this Flood Insurance Rate Map (FIRM), available products associated with this FIRM, including historic versions, the current map date for each FIRM panel, how to order products, or the National Flood Insurance Program (NFIP) in general, please call the FEMA Map Information eXchange at 1-877-FEMA-MAP (1-877-336-2627) or visit the FEMA Flood Map Service Center website at http://msc.fema.gov. Available products may include previously issued Letters of Map Change, a Flood Insurance Study Report, and/or digital versions of this map. Many of these products can be ordered or obtained directly from the website.

Communities annexing land on adjacent FIRM panels must obtain a current copy of the adjacent panel as well as the current FIRM index. These may be ordered directly from the Flood Map Service Center at the number listed above.

For community and countywide map dates refer to the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

Base map information shown on this FIRM was provided in digital format by Dekalb County Public Works - Roads and Drainage. This information was derived from digital orthoimagery dated 2014 at a 4-inch resolution.

SCALE

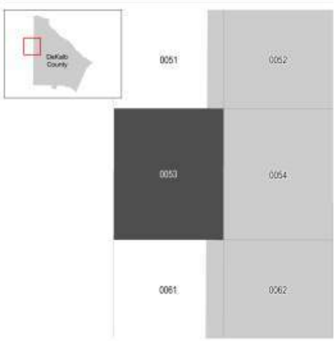
Map Projection:
State Plane Transverse Mercator, Georgia West Zone (FIPS Zone 1002); North American Datum 1983; Western Hemisphere; Vertical Datum: NAVD 88

1 inch = 500 feet 1:6,000

0 500 1,000 2,000 Feet

0 125 250 500 Meters

PANEL LOCATOR



National Flood Insurance Program

FEMA

NATIONAL FLOOD INSURANCE PROGRAM
FLOOD INSURANCE RATE MAP

DEKALB COUNTY, GEORGIA
and Incorporated Areas

PANEL **53** OF **201**

FEMA

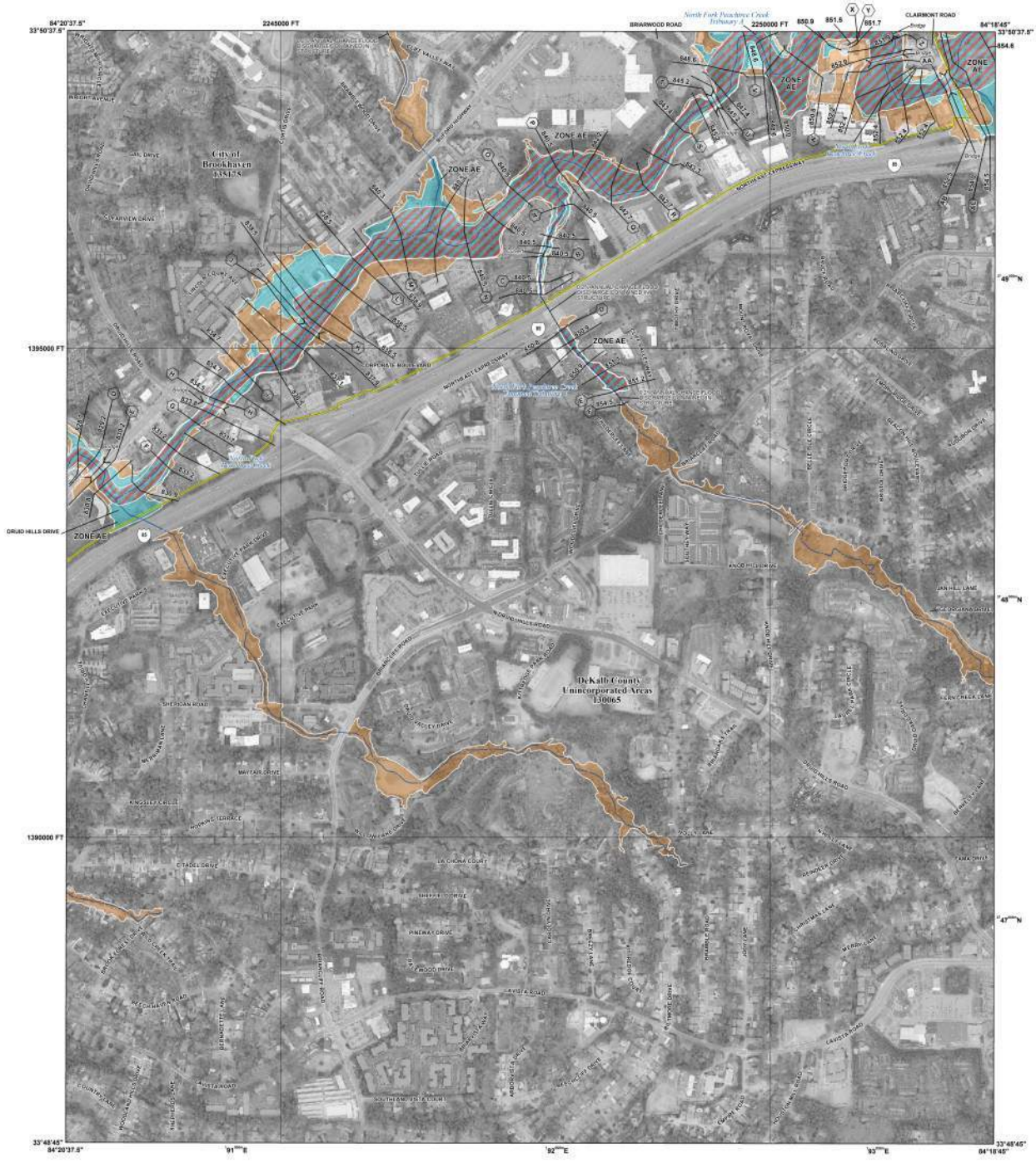
Panel Contains:

COMMUNITY	NUMBER	PANEL	SUFFIX
BROOKHAVEN, CITY OF	135175	0053	K
DEKALB COUNTY	130065	0053	K

VERSION NUMBER
2.3.3.2

MAP NUMBER
13089C0053K

MAP REVISED
AUGUST 15, 2019



FLOOD HAZARD INFORMATION

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

THE INFORMATION DEPICTED ON THIS MAP AND SUPPORTING DOCUMENTATION ARE ALSO AVAILABLE IN DIGITAL FORMAT AT

HTTP://MSC.FEMA.GOV

SPECIAL FLOOD HAZARD AREAS	Without Base Flood Elevation (BFE) Zone A, V, A99 With BFE or Depth Zone AE, AO, AH, VE, AR
	Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD	0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
	Future Conditions 1% Annual Chance Flood Hazard Zone X
	Area with Reduced Flood Risk due to Levee See Notes Zone X
OTHER AREAS	NO SCREEN Area of Minimal Flood Hazard Zone X
	Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES	Channel, Culvert, or Storm Sewer
	Levee, Dike, or Floodwall
	19.2 / 17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
	Coastal Transect
	Coastal Transect Baseline
	Profile Baseline
	Hydrographic Feature
	513 Base Flood Elevation Line (BFE)
OTHER FEATURES	Limit of Study
	Jurisdiction Boundary

NOTES TO USERS

For information and questions about this Flood Insurance Rate Map (FIRM), available products associated with this FIRM, including historic versions, the current map date for each FIRM panel, how to order products, or the National Flood Insurance Program (NFIP) in general, please call the FEMA Map Information eXchange at 1-877-FEMA-MAP (1-877-336-2627) or visit the FEMA Flood Map Service Center website at http://msc.fema.gov. Available products may include previously issued Letters of Map Change, a Flood Insurance Study Report, and/or digital versions of this map. Many of these products can be ordered or obtained directly from the website.

Communities annexing land on adjacent FIRM panels must obtain a current copy of the adjacent panel as well as the current FIRM index. These may be ordered directly from the Flood Map Service Center at the number listed above.

For community and countywide map dates refer to the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

Base map information shown on this FIRM was provided in digital format by DeKalb County Public Works - Roads and Drainage. This information was derived from digital orthoimagery dated 2014 at a 4-inch resolution.

SCALE

Map Projection:
State Plane Transverse Mercator, Georgia West Zone (FIPS Zone 1002);
North American Datum 1983; Western Hemisphere; Vertical Datum: NAVD 88

1 inch = 500 feet 1:6,000

0 500 1,000 2,000 Feet

0 125 250 500 Meters

PANEL LOCATOR

FEMA

National Flood Insurance Program

NATIONAL FLOOD INSURANCE PROGRAM

FLOOD INSURANCE RATE MAP

DEKALB COUNTY, GEORGIA

and Incorporated Areas

PANEL 54 OF 201

FEMA

Panel Contains:

COMMUNITY	NUMBER	PANEL	SUFFIX
BROOKHAVEN, CITY OF	135175	0054	K
DEKALB COUNTY	130065	0054	K

VERSION NUMBER
2.3.3.2

MAP NUMBER
13089C0054K

MAP REVISED
AUGUST 15, 2019

TABLE 6 – SUMMARY OF DISCHARGES – CONTINUED

Flooding Source and Location	Drainage Area (square miles)	Peak Discharges (cubic feet per second) 10-Percent-Annual-Chance	2-Percent-Annual-Chance	1-Percent-Annual-Chance	0.2-Percent-Annual-Chance
NORTH FORK PEACHTREE CREEK					
At DeKalb/Fulton County Boundary	35.54	12,210	16,980	19,398	26,024
Upstream of Buford Highway	35.30	12,186	16,947	19,361	26,002
At Druid Hills Road	34.1	11,701	16,153	18,556	25,365
Downstream of confluence with North Fork Peachtree Creek Unnamed Tributary 4	33.20	11,550	15,799	18,183	24,716
Upstream of confluence with North Fork Peachtree Creek Unnamed Tributary 4	32.11	11,398	15,161	17,342	23,309
At Briarwood Road	31.84	11,333	15,037	17,200	23,096
At Clairmont Road	28.21	9,909	12,533	14,335	18,968
Approximately 300 ft downstream of Century Blvd	26.39	9,772	11,989	13,691	16,993
At Century Blvd	26.08	9,730	11,871	13,574	16,747
Just downstream of confluence with North Fork Peachtree Creek Tributary B	25.80	9,809	12,601	13,608	17,254
At Interstate 85	22.66	7,971	9,960	10,647	12,710
Just downstream of confluence with North Fork Peachtree Creek Tributary D-1	22.16	8,619	10,930	11,815	14,080
Approximately 2,500 feet downstream of Shallowford Road	19.48	7,235	8,623	8,930	10,583
At Shallowford Road	19.19	7,167	8,526	8,857	10,503
Upstream of Shallowford Dr	19.19	10,175	14,654	16,655	21,839
Approximately 2,400 feet upstream of Shallowford Road	18.74	9,855	14,034	15,854	20,691
Just downstream of confluence with Peachtree Branch	18.10	9,399	13,172	14,778	19,126
Approximately 1,000 feet upstream of confluence with Peachtree Branch	12.20	6,253	8,174	8,953	11,044
Approximately 900 feet downstream of Flowers Rd	11.69	5,756	7,363	7,970	9,810
At confluence with Warren Creek	11.58	5,717	7,282	7,868	9,676
At Mercer University Drive	10.93	5,082	6,471	6,996	8,321
At confluence with North Fork Peachtree Creek Tributary 1	10.61	5,461	6,767	7,213	8,380

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE [1]	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	824	124	1,951	9.9	822.6	822.6	823.6	1.0
B	1,537	113	1,650	11.8	823.8	823.8	824.3	0.5
C	2,322	94	1,381	14.0	825.5	825.5	826.4	0.9
D	2,863	128	2,012	9.6	829.2	829.2	829.4	0.2
E	3,021	173	2,409	8.0	830.2	830.2	830.6	0.4
F	3,985	148	2,135	8.7	831.2	831.2	831.6	0.4
G	4,516	114	1,596	11.6	831.7	831.7	832.0	0.3
H	4,838	187	2,648	7.0	834.5	834.5	834.7	0.2
I	5,259	130	1,418	13.1	834.7	834.5	834.6	0.1
J	6,074	192	2,456	7.6	837.9	837.9	838.0	0.1
K	6,189	406	3,476	5.3	838.5	838.5	839.1	0.6
L	6,938	172	2,264	8.1	838.5	838.5	839.5	1.0
M	7,523	439	6,026	3.0	840.3	840.3	841.0	0.7
N	8,263	349	4,744	3.8	840.5	840.5	841.3	0.8
O	9,012	249	3,137	5.8	840.5	840.5	841.2	0.7
P	9,509	214	2,391	7.6	840.5	840.5	841.2	0.7
O	10,248	359	4,002	4.3	842.7	842.7	843.1	0.4
R	10,621	229	2,316	7.5	842.7	842.2	842.6	0.4
S	11,336	201	1,857	9.3	843.4	843.4	843.8	0.4
T	11,741	98	1,286	13.4	845.2	844.8	844.8	0.0
U	11,828	102	1,217	14.1	845.2	845.0	845.1	0.1

[1] Feet above 500 feet downstream of county boundary

TABLE 10

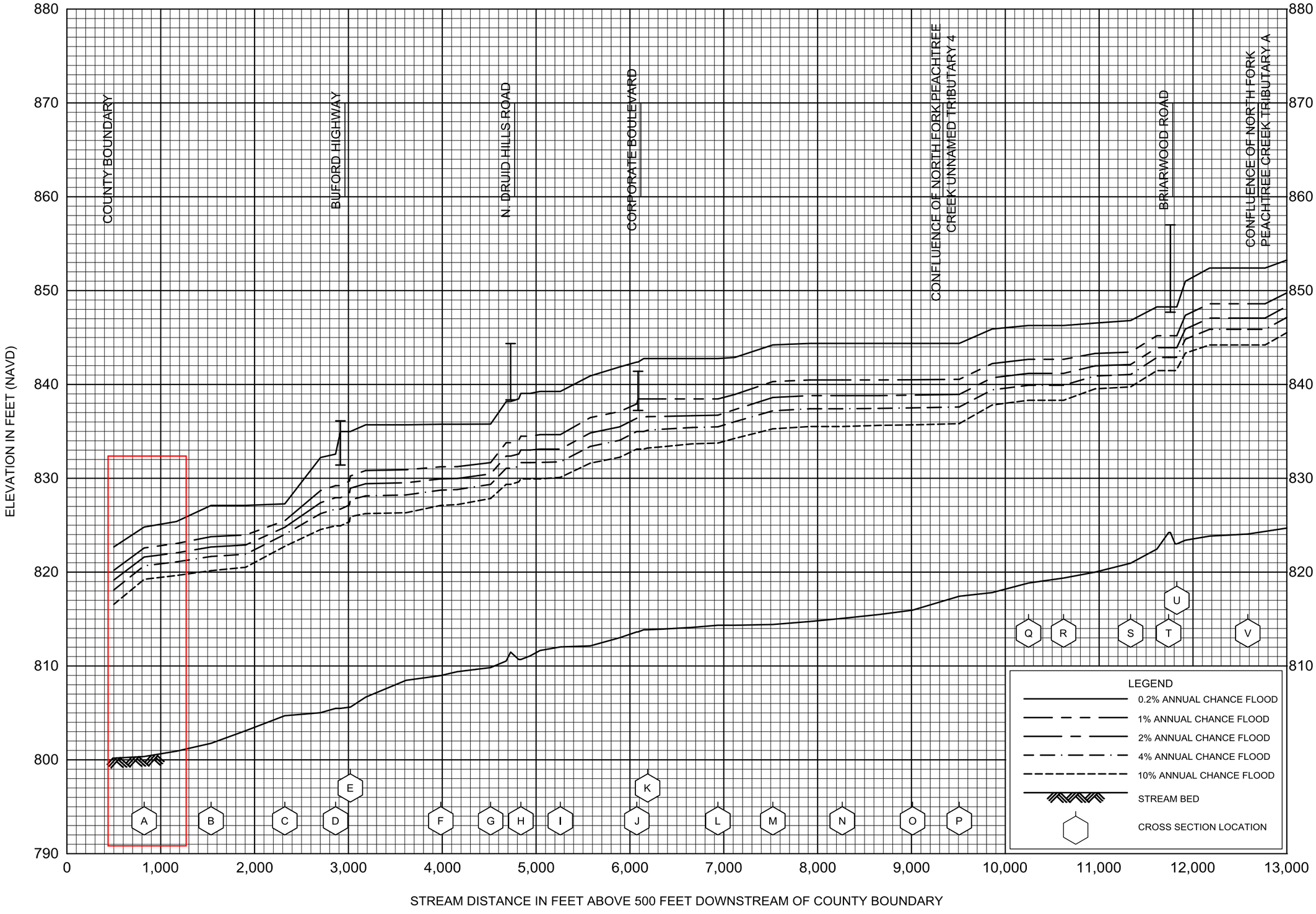
FEDERAL EMERGENCY MANAGEMENT AGENCY

DEKALB COUNTY, GA

AND INCORPORATED AREAS

FLOODWAY DATA

NORTH FORK PEACHTREE CREEK



FLOOD PROFILES

NORTH FORK PEACHTREE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

DEKALB COUNTY, GA

AND INCORPORATED AREAS

199P

APPENDIX C

PRELIMINARY TRAIL PLANS

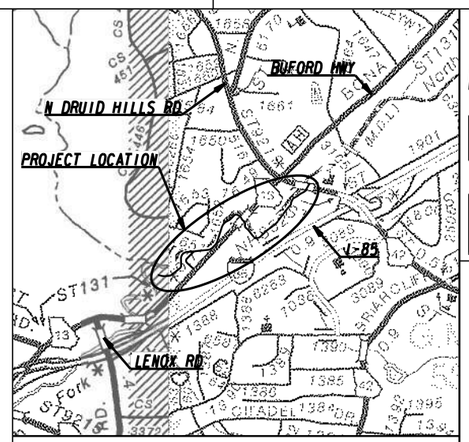
CITY OF BROOKHAVEN

PLAN AND PROFILE OF PROPOSED

PEACHTREE CREEK GREENWAY FROM ATL TO NORTH DRUID HILLS RD - PHASE II

DEKALB COUNTY

FEDERAL ROUTE(S): N/A
STATE ROUTE(S): 13,42
P.I.NO.: 0016053



LOCATION SKETCH - N.T.S.

DESIGN DATA: PEACHTREE CREEK GREENWAY
TRAIL DESIGN SPEED: 18 MPH

DESIGN DATA: BUFORD HWY SPUR
TRAIL DESIGN SPEED: 10 MPH

BUFORD HWY
TRAFFIC A.D.T.: 21,700 (2019)
SPEED DESIGN: 45 MPH

N DRUID HILLS RD
TRAFFIC A.D.T.: 35,400 (2019)
SPEED DESIGN: 35 MPH

LOCATION & DESIGN
APPROVAL DATE: XX-XX-XXXX

FUNCTIONAL CLASS:
TRAIL: MULTI-USE PATH
BUFORD HWY: PRINCIPAL ARTERIAL
N DRUID HILLS RD: PRINCIPAL ARTERIAL
W DRUID HILLS DR: LOCAL ROAD

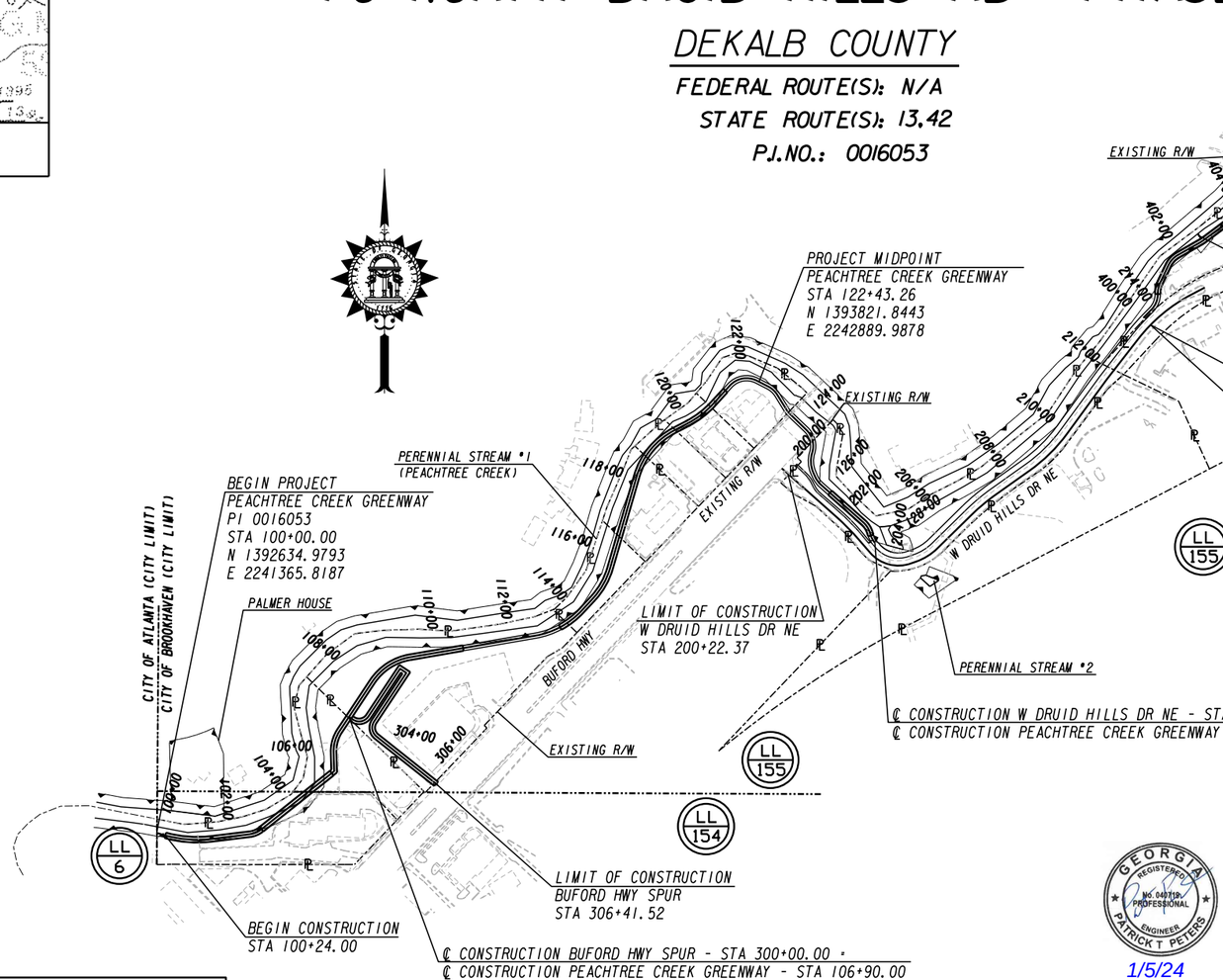
THIS PROJECT IS 100% IN DEKALB COUNTY, 100% IN CITY OF BROOKHAVEN, AND 100% IN CONG.DIST.NO.05.

THIS PROJECT HAS BEEN PREPARED USING THE HORIZONTAL GEORGIA COORDINATE SYSTEM OF 1984 (NAD 1983)/94 WEST ZONE, AND THE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988.

THESE PLANS HAVE BEEN PREPARED IN ACCORDANCE WITH THE 2022 CONSTRUCTION STANDARDS AND DETAILS BOOK AND ATTACHED APPLICABLE REVISIONS. THE 2022 CONSTRUCTION STANDARDS AND DETAILS BOOK IS AVAILABLE AT: http://mydocs.dot.ga.gov/info/gdotpubs/ConstructionStandardsAndDetails/Forms/AllItems.aspx
ANY REVISIONS CONTAINED WITHIN THIS PLAN SET SUPERSEDE THE 2022 CONSTRUCTION STANDARDS AND DETAILS BOOK WHICH THEY REVISE OR IN WHICH THERE IS A CONFLICT.

THE DATA, TOGETHER WITH ALL OTHER INFORMATION SHOWN ON THESE PLANS OR IN ANYWAY INDICATED THEREBY, WHETHER BY DRAWINGS OR NOTES, OR IN ANY OTHER MANNER, ARE BASED UPON FIELD INVESTIGATIONS AND ARE BELIEVED TO BE INDICATIVE OF ACTUAL CONDITIONS. HOWEVER, THE SAME ARE SHOWN AS INFORMATION ONLY, ARE NOT GUARANTEED, AND DO NOT BIND THE DEPARTMENT OF TRANSPORTATION IN ANY WAY. THE ATTENTION OF BIDDER IS SPECIFICALLY DIRECTED TO SUBSECTIONS 102.04, 102.05, AND 104.03 OF THE SPECIFICATIONS.

LAND LOTS: 6, 154, 155, 156
LAND DISTRICT: 17th, 18th
GMD: 531



NOTE :
ALL REFERENCES IN THIS DOCUMENT, WHICH INCLUDES ALL PAPERS, WRITINGS, DOCUMENTS, DRAWINGS, OR PHOTOGRAPHS USED, OR TO BE USED IN CONNECTION WITH THIS DOCUMENT, TO "STATE HIGHWAY DEPARTMENT OF GEORGIA", "STATE HIGHWAY DEPARTMENT", GEORGIA STATE HIGHWAY DEPARTMENT", "HIGHWAY DEPARTMENT", OR "DEPARTMENT" WHEN THE CONTEXT THEREOF MEANS THE STATE HIGHWAY DEPARTMENT OF GEORGIA, AND SHALL BE DEEMED TO MEAN THE DEPARTMENT OF TRANSPORTATION.

LENGTH OF PROJECT	COUNTY No.089 (DeKalb) Project No.0016053
	MILES
NET LENGTH OF TRAIL	0.488
NET LENGTH OF BRIDGES	0.568
NET LENGTH OF PROJECT	1.056
NET LENGTH OF EXCEPTIONS	0.000
GROSS LENGTH OF PROJECT	1.056

PROJECT MIDPOINT
STA 122+48.07
N 1393821.8443
E 2242889.9878
LAT. 33.8316°
LONG. -84.3435°

SCALE IN FEET
0 200 400 800

Brookhaven GEORGIA

Heath & Lineback Engineers
INCORPORATED
2390 CANTON ROAD • BUILDING 200
MARIETTA, GEORGIA 30066-5393
(770) 424-1668

PREPARED BY:

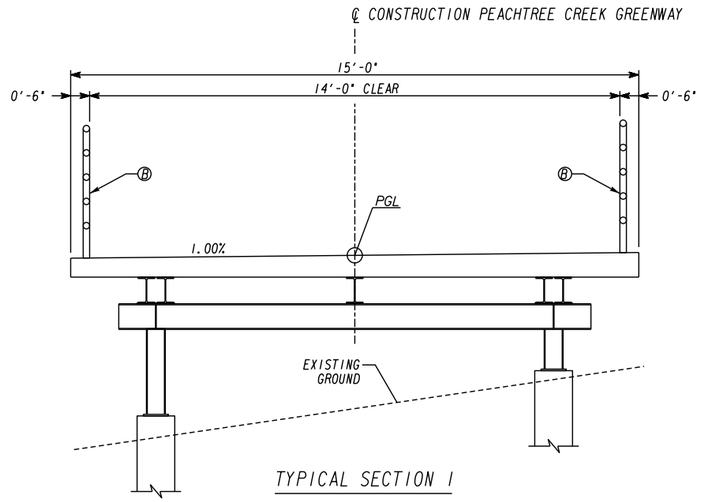
GEORGIA REGISTERED NO. 040719 PROFESSIONAL ENGINEER PATRICK T PETERS
1/5/24

DESIGN

DATE CHIEF ENGINEER

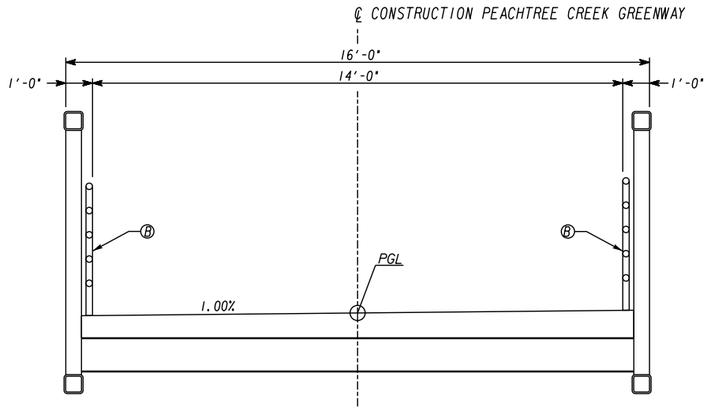
PLANS COMPLETED - -	
REVISIONS	

DRAWING No. 01-0001



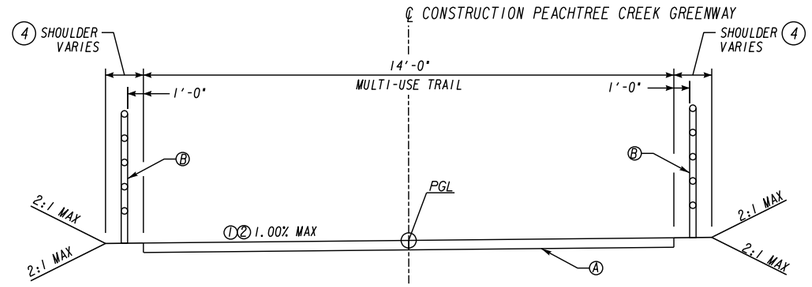
TYPICAL SECTION 1

STA 100+24.00 TO STA 102+86.00
STA 105+26.00 TO STA 110+70.00
STA 113+36.00 TO STA 121+40.00
STA 126+18.00 TO STA 127+78.13
STA 201+39.69 TO STA 202+93.32
STA 300+07.50 TO STA 306+36.25
STA 400+77.00 TO STA 404+25.00



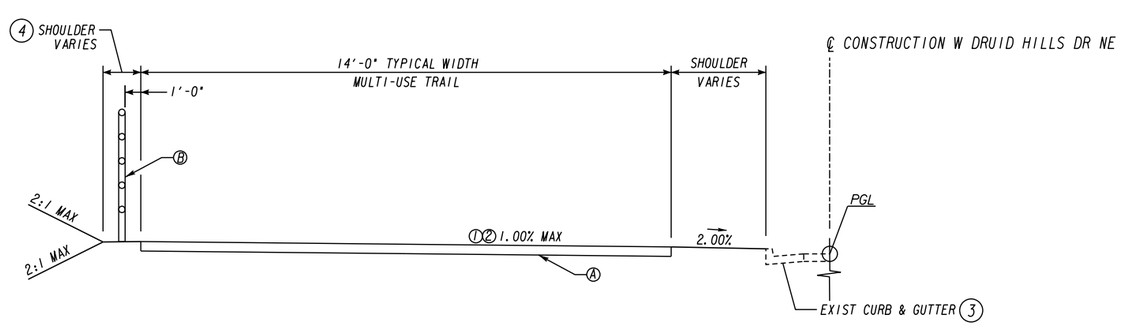
TYPICAL SECTION 2

STA 102+86.00 TO STA 105+26.00



TYPICAL SECTION 3

STA 110+70.00 TO STA 113+36.00
STA 121+40.00 TO STA 126+18.00
STA 127+78.13 TO STA 128+00.69
STA 400+00.00 TO STA 400+77.00
STA 404+25.00 TO STA 406+42.51



TYPICAL SECTION 4

STA 203+07.57 TO STA 213+58.87

REQUIRED PAVEMENT:

(A) CONC. SIDEWALK, 4 IN

(B) HANDRAIL, SPECIAL DESIGN (42") - SEE PLAN SHEETS FOR LOCATIONS

NOTES:

(1) SEE CONSTRUCTION PLANS FOR CROSS SLOPE TRANSITIONS.

(2) SEE CROSS SECTIONS FOR SLOPE TRANSITIONS.

(3) SEE PLANS FOR PROPOSED CURB & GUTTER LOCATIONS

(4) SEE PLANS AND 5-SERIES FOR WALL TYPE, DETAILS AND LOCATIONS.

Brookhaven GEORGIA

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MARIETTA, GEORGIA 30066-5393
(770) 424-1668

NO SCALE

REVISION DATES

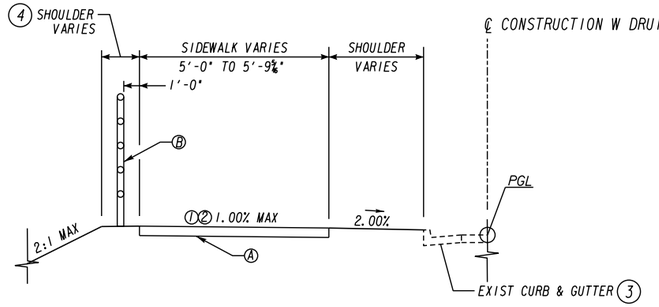
CITY OF BROOKHAVEN

TYPICAL SECTIONS

PEACHTREE CREEK GREENWAY FROM ATL TO NORTH DRUID HILLS RD - PHASE II

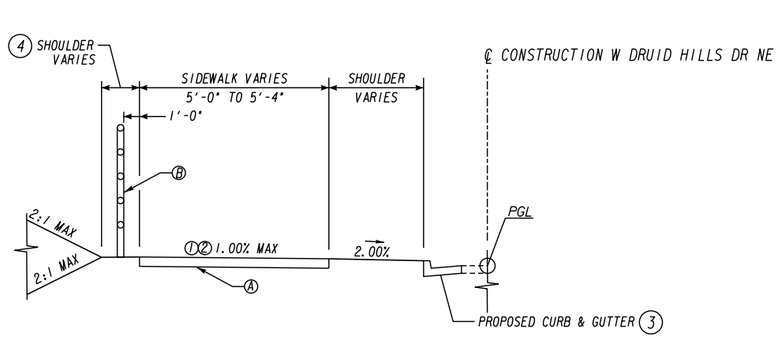
CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		05-0001
CORRECTED:		DATE:		
VERIFIED:		DATE:		

7/31/2015 GPLN



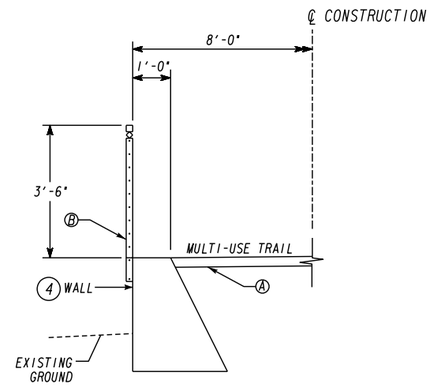
TYPICAL SECTION 5

STA 200+22.60 TO STA 200+88.37
STA 201+12.20 TO STA 203+07.57



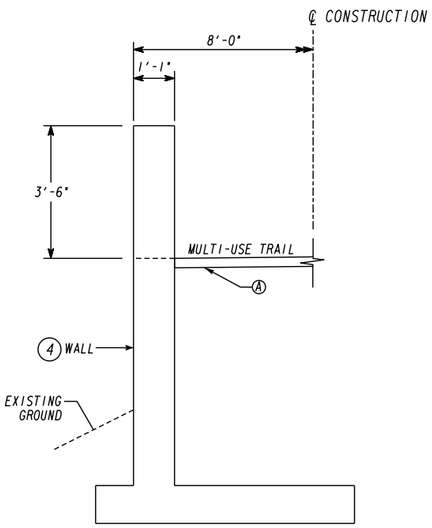
TYPICAL SECTION 6

STA 200+88.37 TO STA 201+12.20



TYPICAL GRAVITY FILL WALL DETAIL

STA 110+70.00 TO STA 113+36.00 (LT) WALL 2
STA 125+68.13 TO STA 126.18.00 (LT) WALL 6
STA 201+34.79 TO STA 202+86.22 (LT) WALL 7
STA 404+25.00 TO STA 404+88.00 (LT) WALL 10



TYPICAL PARAPET FILL WALL DETAIL

STA 202+96.43 TO STA 204+46.55 (LT) WALL 8
STA 209+62.00 TO STA 400+77.00 (LT) WALL 9

REQUIRED PAVEMENT:

(A) CONC. SIDEWALK, 4 IN

(B) HANDRAIL, SPECIAL DESIGN (42") - SEE PLAN SHEETS FOR LOCATIONS

NOTES:

1. SEE CONSTRUCTION PLANS FOR CROSS SLOPE TRANSITIONS.
2. SEE CROSS SECTIONS FOR SLOPE TRANSITIONS.
3. SEE PLANS FOR PROPOSED CURB & GUTTER LOCATIONS
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NO SCALE

REVISION DATES

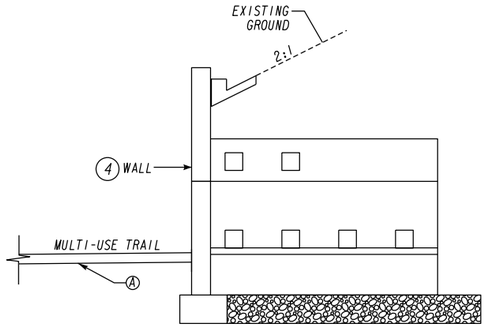
CITY OF BROOKHAVEN

TYPICAL SECTIONS

PEACHTREE CREEK GREENWAY FROM ATL TO NORTH DRUID HILLS RD - PHASE II

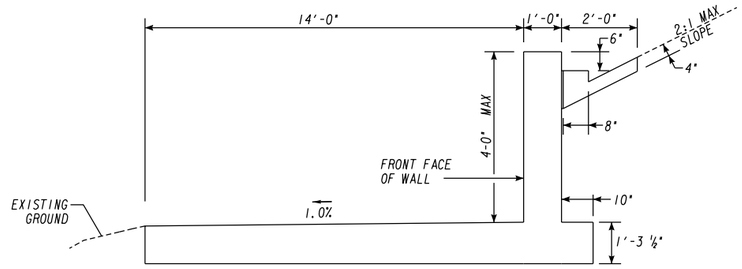
CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		05-0002
CORRECTED:		DATE:		
VERIFIED:		DATE:		

7/31/2015 GPLN



TYPICAL GRAVIX WALL DETAIL

STA 124+65.00 TO 126+18.00 (RT) WALL 5

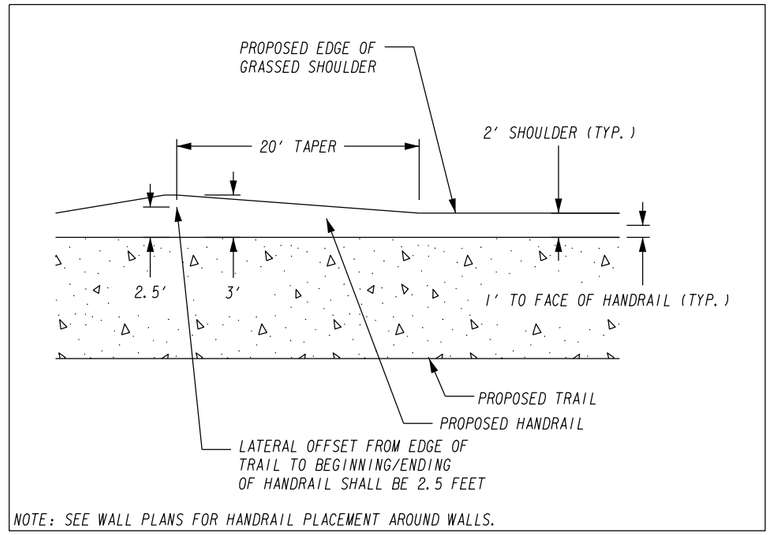


TYPICAL TURN UP DETAIL

SEE SHEET 38-0006

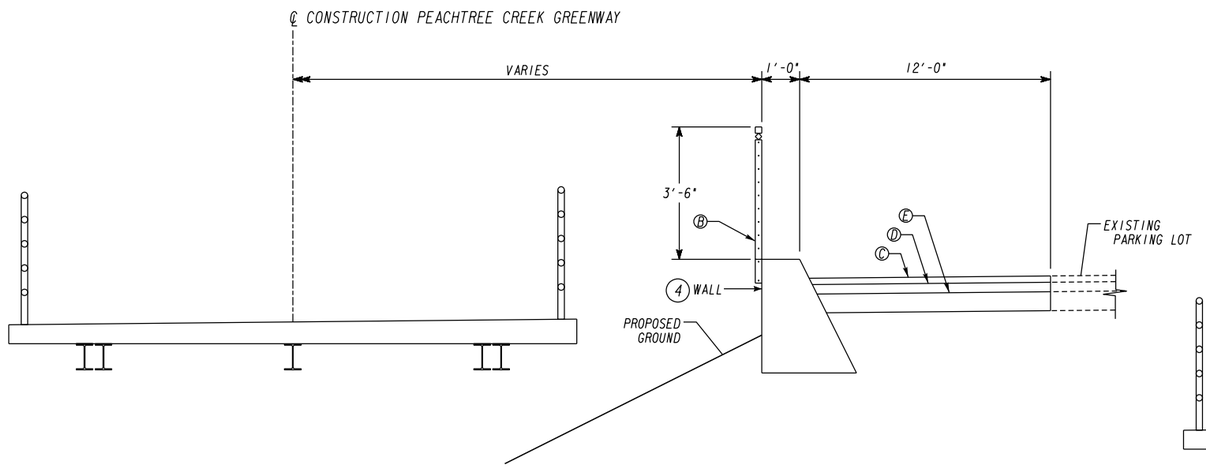
STA 123+24.00 TO STA 124+65.00 (RT) WALL 4

STA 404+25.00 TO STA 406+00.00 (LT) WALL 11



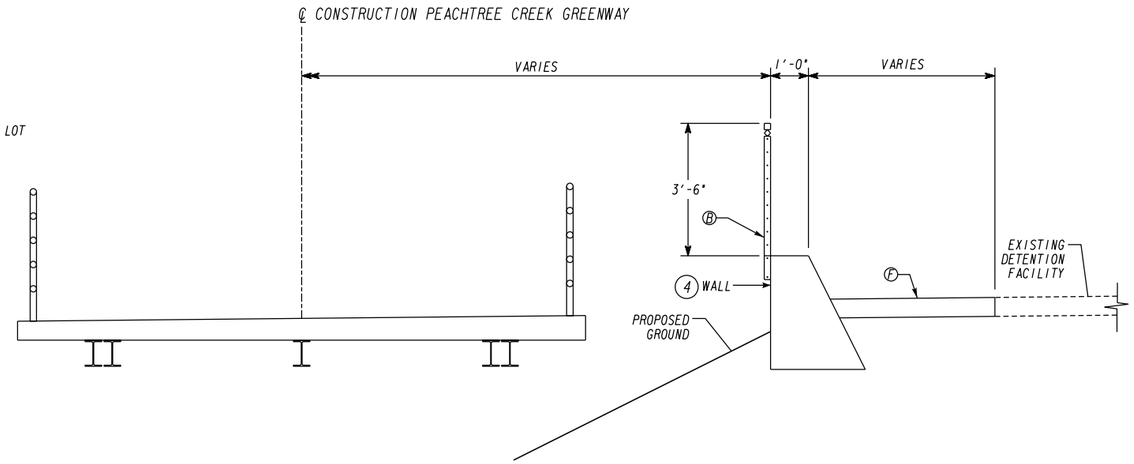
NOTE: SEE WALL PLANS FOR HANDRAIL PLACEMENT AROUND WALLS.

STANDARD APPROACH AND DEPARTURE TAPER FOR HANDRAIL



TYPICAL GRAVITY CUT WALL DETAIL

STA 105+35.00 TO STA 105+69.00 (RT) WALL 1



TYPICAL GRAVITY CUT WALL DETAIL

STA 119+35.58 TO STA 119+49.33 (RT) WALL 3

REQUIRED PAVEMENT:

(A) CONC. SIDEWALK, 4 IN

(B) HANDRAIL, SPECIAL DESIGN (42") - SEE PLAN SHEETS FOR LOCATIONS

(C) RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME

(D) RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME

(E) GR AGGR BASE CRS, 6 INCH, INCL MATL

(F) CLASS B CONCRETE, 6" THICK

NOTES:

(1) SEE CONSTRUCTION PLANS FOR CROSS SLOPE TRANSITIONS.

(2) SEE CROSS SECTIONS FOR SLOPE TRANSITIONS.

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(4) SEE PLANS AND 5-SERIES FOR WALL TYPE, DETAILS AND LOCATIONS.

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NO SCALE

REVISION DATES

CITY OF BROOKHAVEN

TYPICAL SECTIONS

PEACHTREE CREEK GREENWAY FROM ATL TO NORTH DRUID HILLS RD - PHASE II

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		05-0003
CORRECTED:		DATE:		
VERIFIED:		DATE:		

BEGIN PROJECT
PEACHTREE CREEK GREENWAY
PI 0016053
STA 100+00.00
N 1392628.4075
E 2241388.9015

Curve° 1
PI Sta° 100+85.88
N° 1392611.4503
E° 2241448.4131
DELTA° 22°46'01.4" (LT)
D° 18°11'20.89"
T° 63.42
L° 125.17
R° 315.00
E° 6.32
D.S.° 18

Curve° 2
PI Sta° 102+68.58
N° 1392633.4927
E° 2241631.4681
DELTA° 31°42'21.7" (LT)
D° 95°29'34.68"
T° 17.04
L° 33.20
R° 60.00
E° 2.37
D.S.° 18

PI Sta° 105+34.50
N° 1392799.8385
E° 2241840.0534
DELTA° 53°22'06.9" (LT)

Curve° 3
PI Sta° 106+15.97
N° 1392881.2554
E° 2241837.2945
DELTA° 35°32'03.4" (RT)
D° 57°17'44.81"
T° 32.04
L° 62.02
R° 100.00
E° 5.01
D.S.° 18

TOP OF BANK
CITY OF ATLANTA
CITY OF BROOKHAVEN
100+00
P.C. 100+22.46
BEGIN CONSTRUCTION
STA 100+24.00
STA. 100+22.46
22.00' LT
BEGIN BOARDWALK °1
STA 100+24.00
101+00
EXISTING PIPE
TO REMAIN
ESA- PALMER HOUSE
ESA - STREAM °1
25' BUFFER
STA. 104+93.00
30.00' LT
STA. 104+85.00
21.00' LT
104+00
PERENNIAL STREAM °1
(PEACHTREE CREEK)
STA. 102+84.75
22.00' LT
END BOARDWALK °1
BEGIN PEDESTRIAN OVERPASS BRIDGE °1
STA 102+86.00
STA. 101+47.63
22.00' LT
102+00
STA. 102+51.55
22.00' LT
103+00
P.C. 102+51.55
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
N 83°08'01.8" E
℄ CONSTRUCTION PEACHTREE CREEK GREENWAY
14'
Curve° 2
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
N 51°25'40.1" E
P.T. 101+47.63
Curve° 1
STA. 100+22.46
13.00' RT
S 74°05'56.8" E
STA. 100+04.52
13.00' RT
STA. 101+15.00
13.00' RT
CHAIN LINK FENCE
STA. 101+15.00
60.00' RT
TEMP ESM'T
STA. 101+47.63
13.00' RT
D-200
200 / PKNL
N:1392516.60
E:2241496.99
STA. 102+51.55
13.00' RT
STA. 102+84.75
13.00' RT
P.T. 102+84.75
STA. 102+72.00
82.00' RT
STA. 102+79.00
86.00' RT
STA. 102+85.00
70.00' RT
STA. 103+14.00
79.00' RT
STA. 103+57.00
31.00' RT
STA. 103+43.00
13.00' RT
STA. 104+00.00
24.00' RT
STA. 103+94.00
64.00' RT
STA. 104+02.00
55.00' RT
STA. 104+83.00
13.00' RT
STA. 104+60.00
65.00' RT
STA. 104+39.00
88.00' RT
STA. 104+04.00
157.00' RT
STA. 104+24.00
183.00' RT
STA. 104+11.00
191.00' RT
STA. 104+60.00
223.42' RT
STA. 104+40.00
226.14' RT
TEMP ESM'T
BUFORD HWY
1
ATLANTA HOLDINGS 196 LLC
STA. 105+98.00
41.00' LT
EXISTING SPILLWAY TO REMAIN
END WALL 1
END HANDRAIL
STA 105+69.00
10.84' RT
STA. 105+77.00
26.00' LT
STA. 105+50.00
26.00' LT
105+00
BEGIN WALL 1
BEGIN HANDRAIL
STA 105+35.00
10.99' RT
N 1°56'26.8" W
MATCH LINE STA. 106+00 DRAWING No. 13-0002
Curve° 3
STA. 105+83.92
10.00' RT
P.C. 105+83.92
+69.00
+69.00 23.84' RT
11.84' RT
REPAVE PARKING LOT
FOR WALL CONSTRUCTION
EXISTING LIGHT POLE
TO BE RELOCATED
+35.00
11.99' RT
+35.00
23.99' RT
P.I. 105+34.50
STA. 105+44.00
54.00' RT
STA. 105+30.00
22.00' RT
END PEDESTRIAN OVERPASS BRIDGE °1
BEGIN BOARDWALK °2
STA 105+26.00
2
ATLANTA HOLDINGS 196 LLC
STA. 104+83.00
13.00' RT
STA. 105+17.00
13.00' RT
STA. 105+34.00
131.00' RT

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
REQ'D LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

Brookhaven GEORGIA

Heath & Lineback Engineers
INCORPORATED
2390 CANTON ROAD • BUILDING 200
MARIETTA, GEORGIA 30066-5393
(770) 424-1668

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF BROOKHAVEN
CONSTRUCTION PLAN
PEACHTREE CREEK GREENWAY FROM
ATL TO NORTH DRUID HILLS RD - PHASE II

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No.
13-0001

7/31/2015 GPLN

Curve° 3
PI Sta= 106+15.97
N= 1392881.2554
E= 2241837.2945
DELTA= 35°32'03.4" (RT)
D= 57°17'44.81"
T= 32.04
L= 62.02
R= 100.00
E= 5.01
D.S.= 18

Curve° 4
PI Sta= 108+67.88
N= 1393092.8167
E= 2241977.8208
DELTA= 46°39'05.0" (RT)
D= 38°11'49.87"
T= 64.68
L= 122.13
R= 150.00
E= 13.35
D.S.= 18

Curve° 32
PI Sta= 300+42.68
N= 1392921.0286
E= 2241914.9556
DELTA= 90°00'00.0" (LT)
D=190°59'09.35"
T= 30.00
L= 47.12
R= 30.00
E= 12.43
D.S.= 10

Curve° 33
PI Sta= 304+15.82
N= 1392909.4411
E= 2241931.2689
DELTA= 85°08'52.4" (LT)
D=190°59'09.35"
T= 27.56
L= 44.58
R= 30.00
E= 10.74
D.S.= 10

ESA - STREAM °1
25' BUFFER

TOP OF BANK

PERENNIAL STREAM °1
(PEACHTREE CREEK)

3
LINDA CARTER

2
ATLANTA HOLDINGS 196

D-203
203 / 60D
N:1393088.97
E:2241898.82

D-202
202 / 60D
N:1392967.63
E:2241800.79

END HANDRAIL TAPER
STA 110+90.00
8.00' LT

BEGIN WALL 2
STA 110+70.00
8.00' LT

BEGIN HANDRAIL
BEGIN TAPER
STA 110+70.00
7.00' LT

STA. 109+25.33
28.00' LT

P.T. 109+25.33

Curve° 4

108+00

109+00

110+00

111+00

STA. 108+03.20
28.00' LT

P.C. 108+03.20

BEGIN BOARDWALK °6
STA 300+07.50

107+00

EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES

N 80°14'41.6" E

PI 302+12.50
S 56°24'23.8" E
PI 302+32.50

14'

℄ CONSTRUCTION PEACHTREE CREEK GREENWAY

℄ CONSTRUCTION BUFORD HWY SPUR
- STA 300+00.00 +
℄ CONSTRUCTION PEACHTREE CREEK GREENWAY
- STA 106+90.00

S 56°24'23.4" E
106+45.94

P.T.
STA 106+45.94
28.00' LT

Curve° 3

STA. 106+15.00
28.00' LT

P.C. 300+12.68

N 33°35'36.6" E

P.T. 300+59.81

Curve° 32

S 33°35'36.6" W

℄ CONSTRUCTION BUFORD HWY SPUR

PC 303+88.26

303+00

STA. 303+62.20
18.00' LT

Curve° 33

STA. 300+30.68
18.64' RT

TEMP ESM'T
STA. 106+58.00
18.00' RT
STA. 106+02.00
10.00' RT
STA. 106+72.00
18.00' RT

STA. 109+78.00
46.00' RT

STA. 110+70.00
35.00' RT

END BOARDWALK °2
STA 110+70.00

CHAIN LINK FENCE

EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES

STA. 111+93.00
26.00' RT

MATCH LINE STA. 112+00 DRAWING No. 13-0003

MATCH LINE STA. 106+00 DRAWING No. 13-0001

MATCH LINE STA. 304+00 DRAWING No. 13-0009

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
REQ'D LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

Brookhaven GEORGIA

Heath & Lineback Engineers
INCORPORATED
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MARIETTA, GEORGIA 30066-5393
(770) 424-1668

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF BROOKHAVEN
CONSTRUCTION PLAN
PEACHTREE CREEK GREENWAY FROM ATL TO NORTH DRUID HILLS RD - PHASE II

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		13-0002
CORRECTED:		DATE:		
VERIFIED:		DATE:		

7/31/2015 GPLN

MATCH LINE STA. 112+00 DRAWING No. 13-0002

EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES

STA. 112+65.69
28.00' LT

BEGIN HANDRAIL TAPER
STA 113+16.00
8.00' LT

END HANDRAIL
STA 113+36.00
7.00' LT

END WALL 2
STA 113+36.00
8.00' LT

N 80°14'41.6" E

P.C. 112+65.69

3
LINDA CARTER

BEGIN BOARDWALK #3
STA 113+36.00

STA. 112+94.00
31.00' RT

STA. 113+28.00
18.00' RT

Curve# 5
PI Sta= 113+40.29
N= 1393174.0856
E= 2242450.5250
DELTA= 37°27'47.8" (LT)
D= 26°02'36.73"
T= 74.60
L= 143.85
R= 220.00
E= 12.30
D.S.= 18

Curve# 6
PI Sta= 115+01.71
N= 1393296.4878
E= 2242563.7978
DELTA= 26°39'25.1" (LT)
D= 28°38'52.40"
T= 47.38
L= 93.05
R= 200.00
E= 5.54
D.S.= 18

113+00 | 114+00 | 115+00 | 116+00 | 117+00

STA. 114+09.54
28.00' LT

P.T. 114+09.54

ESA - STREAM #1
25' BUFFER

STA. 114+54.33
28.00' LT
TOP OF BANK

PERENNIAL STREAM #1
(PEACHTREE CREEK)

TOP OF BANK

STA. 115+47.38
28.00' LT

RIP RAP
TYPE 3, 18"
6 SY

EXISTING PIPE TO REMAIN

P.C. 114+54.33

Curve# 6

ESA - STREAM #1
25' BUFFER

EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES

N 42°46'53.8" E

℄ CONSTRUCTION PEACHTREE CREEK GREENWAY

N 16°07'28.7" E

P.T. 115+47.38

MATCH LINE STA. 118+00 DRAWING No. 13-0004

STA. 114+09.54
18.00' RT

STA. 114+54.33
18.00' RT

STA. 114+54.33
32.22' RT

STA. 115+47.38
18.00' RT

EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES

STA. 114+82.12
35.00' RT

STA. 115+47.38
35.00' RT

STA. 115+83.00
19.00' RT

STA. 115+83.00
26.00' RT

4
VICKI R WILLARD

STA. 115+99.00
84.00' RT

STA. 116+33.00
102.00' RT

STA. 116+30.49
107.44' RT

STA. 116+48.52
116.90' RT

TEMP ESM'T

5
R&M INVESTMENTS GROUP INC

STA. 116+30.00
18.00' RT

STA. 116+16.00
18.00' RT

STA. 116+16.00
24.00' RT

STA. 117+35.00
13.00' RT

STA. 117+92.00
13.00' RT

STA. 117+00.00
18.00' RT

TEMP ESM'T

BUFORD HWY

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
REQ'D LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

Brookhaven GEORGIA

Heath & Lineback Engineers INCORPORATED
2390 CANTON ROAD • BUILDING 200
MARIETTA, GEORGIA 30066-5393
(770) 424-1668

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF BROOKHAVEN

CONSTRUCTION PLAN

PEACHTREE CREEK GREENWAY FROM ATL TO NORTH DRUID HILLS RD - PHASE II

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		13-0003
CORRECTED:		DATE:		
VERIFIED:		DATE:		

7/31/2015 GPLN

Curve* 7
PI Sta* 118+88.73
N* 1393669.9289
E* 2242671.7599
DELTA* 46°28'18.9" (RT)
D* 28°38'52.40"
T* 85.87
L* 162.22
R* 200.00
E* 17.65
D.S.* 18

Curve* 8
PI Sta* 120+49.09
N* 1393748.1174
E* 2242822.5787
DELTA* 20°09'34.6" (LT)
D* 22°55'05.92"
T* 44.44
L* 87.96
R* 250.00
E* 3.92
D.S.* 18

Curve* 9
PI Sta* 122+04.11
N* 1393863.2052
E* 2242927.8045
DELTA* 74°42'53.1" (RT)
D* 95°29'34.68"
T* 45.80
L* 78.24
R* 60.00
E* 15.48
D.S.* 18

Curve* 10
PI Sta* 122+87.89
N* 1393818.8734
E* 2243014.2440
DELTA* 31°11'40.0" (RT)
D* 95°29'34.68"
T* 16.75
L* 32.67
R* 60.00
E* 2.29
D.S.* 18

Curve* 11
PI Sta* 123+58.33
N* 1393758.2045
E* 2243051.6463
DELTA* 14°30'37.1" (LT)
D* 95°29'34.68"
T* 7.64
L* 15.20
R* 60.00
E* 0.48
D.S.* 18

END WALL 3
END HANDRAIL
STA 119+49.33
22.02' RT

ESA - STREAM #1
25' BUFFER

STA. 121+20.00
28.00' LT

BEGIN HANDRAIL
STA 121+40.00
7.00' LT

STA. 121+46.00
35.00' LT

END BOARDWALK #3
STA 121+40.00

PERENNIAL STREAM #1
(PEACHTREE CREEK)

EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES

STA. 119+73.00
28.00' LT

STA. 120+92.61
28.00' LT

119+00

120+00

121+00

122+00

TOP OF BANK

STA. 118+19.00
28.00 LT

STA. 118+02.86
28.00' LT

N 62°35'47.6" E

STA. 120+04.65
28.00' LT

STA. 121+58.31
35.00' LT

END HANDRAIL TAPER
STA 121+60.00
8.00' LT

BEGIN HANDRAIL TAPER
STA 122+25.00
7.00' LT

END HANDRAIL
STA 122+45.00
9.50' LT

BEGIN FENCE REPLACEMENT
STA 119+34.66
12.58' RT

P.T. 119+65.08

P.C. 121+58.31

RIP RAP
TYPE 3, 18"
6 SY

BEGIN WALL 3
BEGIN HANDRAIL
STA 119+35.58
13.37' RT

P.C. 120+04.65
Curve* 8

Curve* 9

Curve* 7

N 16°07'28.7" E
P.C. 118+02.86

TOP OF BANK

N 42°26'13.0" E

MATCH LINE STA. 118+00 DRAWING No. 13-0003

C.L. C.L. CONSTRUCTION PEACHTREE CREEK GREENWAY

+35.82
14.34' RT
+38.49
24.57' RT

P.T. 120+92.61

STA. 122+36.55
35.00' LT

STA. 122+71.14
35.00' LT

ESA - STREAM #1
25' BUFFER

STA. 118+13.00
17.00' RT

STA. 119+23.00
51.00' RT

RECONSTRUCT WALL
AND CONCRETE PAD FOR
DETENTION FACILITY
+48.23
22.26' RT

END FENCE REPLACEMENT
STA 119+55.35
24.08' RT

STA. 118+56.99
20.00' RT

STA. 118+50.08
45.40' RT

STA. 120+17.00
13.00' RT

STA. 120+60.00
12.00' RT

STA. 120+62.00
22.00' RT

STA. 120+71.00
40.00' RT

STA. 119+81.14
38.33' RT

STA. 119+89.16
61.51' RT

STA. 119+50.00
13.00' RT

STA. 119+56.00
24.00' RT

RIP RAP
TYPE 3, 18"
6 SY

TEMP ESM'T

TEMP ESM'T

STA. 120+98.00
24.00' RT

STA. 121+94.00
31.00' RT

P.T. 122+36.55

STA. 122+38.00
23.00' RT

STA. 122+60.00
24.00' RT

S 62°50'53.8" E

S 31°39'13.8" E

STA. 123+03.81
35.00' LT

123+00

STA. 123+20.00
35.00' LT

STA. 123+17.00
45.00' LT

RIP RAP
TYPE 3, 18"
36 SY

STA. 123+45.83
52.54' LT

5

R&M INVESTMENTS
GROUP INC

6

WAFFLE HOUSE INC

7

ANITA S GORDON

8

SUSAN KOLOTILIN

STA. 120+81.82
21.08' RT

P.C. 122+71.14
Curve* 10
P.T. 123+03.81

BEGIN WALL 4
STA 123+24.00
7.00' RT

STA. 123+35.00
22.00' RT

STA. 123+51.00
33.00' RT

P.C. 123+50.69
Curve* 11

STA. 123+62.00
37.69' RT

EXISTING PIPE TO REMAIN

7-1A

7-1

7-2

STA. 123+63.79
114.97' RT

P.T. 123+65.89
S 46°09'50.9" E

STA. 123+64.11
144.42' RT

BUFORD HWY

STA. 117+85.08
154.01' RT

STA. 117+64.00
151.00' RT

STA. 119+81.62
192.11' RT

STA. 119+53.00
47.00' RT

STA. 120+03.57
184.52' RT

MATCH LINE STA. 124+00 DRAWING No. 13-0005

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
REQ'D LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

Brookhaven GEORGIA

Heath & Lineback Engineers
INCORPORATED
2390 CANTON ROAD • BUILDING 200
MARIETTA, GEORGIA 30066-5393
(770) 424-1668

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF BROOKHAVEN
CONSTRUCTION PLAN
PEACHTREE CREEK GREENWAY FROM ATL TO NORTH DRUID HILLS RD - PHASE II

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No. 13-0004

7/31/2015 GPLN

MATCH LINE STA. 124+00 DRAWING No. 13-0004

MATCH LINE STA. 206+50 DRAWING No. 13-0006

Curve° 12
PI Sta° 124+63.30
N° 1393685.4506
E° 2243127.4184
DELTA° 63°34'01.9" (RT)
D° 95°29'34.68"
T° 37.18
L° 66.57
R° 60.00
E° 10.58
D.S.° 18

Curve° 13
PI Sta° 125+20.53
N° 1393623.4035
E° 2243107.9703
DELTA° 40°44'15.3" (LT)
D° 76°23'39.74"
T° 27.85
L° 53.33
R° 75.00
E° 5.00
D.S.° 18

Curve° 14
PI Sta° 125+72.44
N° 1393573.5703
E° 2243129.4675
DELTA° 25°03'36.1" (LT)
D° 95°29'34.68"
T° 13.33
L° 26.24
R° 60.00
E° 1.46
D.S.° 18

Curve° 15
PI Sta° 127+53.82
N° 1393452.8507
E° 2243265.4112
DELTA° 30°49'50.7" (RT)
D° 95°29'34.68"
T° 16.54
L° 32.29
R° 60.00
E° 2.24
D.S.° 18

Curve° 16
PI Sta° 127+89.29
N° 1393418.2644
E° 2243276.3586
DELTA° 22°02'27.0" (LT)
D° 95°29'34.68"
T° 11.69
L° 23.08
R° 60.00
E° 1.13
D.S.° 18

STA. 124+73.00
48.00' LT

STA. 124+49.08
29.28' LT

END WALL 4
BEGIN WALL 5
STA 124+65.00
7.00' RT

Curve° 12

S 46°09'50.9" E

P.C. 124+26.12

P.R.C. 124+92.69
S 17°24'11.1" W

Curve° 13

END HANDRAIL TAPER
STA 200+42.42
35.66' LT

END SIDEWALK TAPER
STA 200+42.37
34.66' LT

BEGIN HANDRAIL TAPER
STA 200+22.95
38.13' LT

BEGIN SIDEWALK
TIE TO EXISTING
STA 200+22.60
33.32' LT

STA. 200+26.67
30.05' LT

LIMIT OF CONSTRUCTION
W DRUID HILLS DR NE
STA 200+22.37

STA. 200+24.47
30.71' RT

STA. 200+70.81
29.82' RT

BEGIN CURB & GUTTER
TIE TO EXISTING
STA 200+88.37
19.45' LT

OBLITERATE EXISTING SPILLWAY

STA. 201+11.00
14.00' LT

BUFORD HWY

PERENNIAL STREAM °1 (PEACHTREE CREEK)

TOP OF BANK

TOP OF BANK

P.T. 125+46.01
S 23°20'04.3" E
P.C. 125+59.10

STA. 125+66.00
32.00' LT

ESA - STREAM °1
25' BUFFER

BEGIN WALL 6
STA 125+68.13
8.00' LT

Curve° 14

RIP RAP
TYPE 3, 18"
8 SY

STA. 125+97.00
28.00' LT

END WALL 6
STA 126+18.00
8.00' LT

BEGIN BOARDWALK °4
STA 126+18.00

S 48°23'40.3" E

℄ CONSTRUCTION PEACHTREE CREEK GREENWAY

P.T. 125+85.35

5' MIN.

EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES

STA. 200+63.00
28.00' LT

STA. 200+79.00
25.00' LT

S 48°23'40.3" E

STA. 201+94.91
14.00' LT

℄ CONSTRUCTION W DRUID HILLS DR NE

P.C. 201+94.91

STA. 201+36.55
14.87' RT

END WALL 5
STA 126+18.00
7.00' RT

BEGIN WALL 7
STA 201+34.79
20.41' RT

END CURB & GUTTER
TIE TO EXISTING
STA 201+12.20
12.99' LT

TEMP ESM'T

Curve° 18

STA. 202+47.80
14.85' RT

STA. 202+80.00
14.00' LT

P.T. 202+80.00

℄ CONSTRUCTION W. DRUID HILLS DR NE - STA 203+15.26 °
℄ CONSTRUCTION PEACHTREE CREEK GREENWAY - STA 128+00.69, 26.77 RT

STA. 203+26.78
14.00' LT

END WALL 7
STA 202+86.22
20.05' RT

S 40°53'38.2" E

END HANDRAIL
TIE TO WINGWALL
STA 202+91.25
21.07' LT

STA. 203+08.49
17.35' RT

BEGIN WALL 8
STA 202+96.43
38.90' LT

STA. 127+62.00
25.00' LT

END BOARDWALK °4
STA 127+78.13

S 17°33'49.7" E
P.T. 127+69.56

Curve° 15
P.C. 127+37.28

P.C. 127+77.61

P.T. 128+00.69

STA. 203+53.00
44.00' LT

0.002
126+83.79

1.00%
127+78.79

1.00%
127+88.79

STA. 203+36.77
16.48' RT

P.C. 203+26.78

TEMP ESM'T

TIE SIDEWALK TO
TO ℄ CONSTRUCTION
PEACHTREE CREEK GREENWAY
STA 127+91.00 - 203+05.63
27.76' LT

Curve° 18
PI Sta° 202+37.52
N° 1393450.5986
E° 2243212.6007
DELTA° 7°30'02.1" (RT)
D° 8°48'53.05"
T° 42.61
L° 85.09
R° 650.00
E° 1.39
D.S.° 18

ESA - STREAM °1
25' BUFFER

APG DRUID CHASE LLC

9

STA. 205+28.80
64.00' LT

END HANDRAIL TAPER
STA 204+67.99
36.25' LT

END WALL 8
STA 204+46.55
34.83' LT

STA. 204+61.78
64.00' LT

STA. 204+56.00
64.00' LT

206+00

STA. 204+49.00
47.00' LT

STA. 204+34.00
41.00' LT

205+00

128+00

204+00

203+00

PERENNIAL STREAM °2

EXISTING PIPES TO REMAIN

Curve° 16

N 45°32'46.9" E

EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES

STA. 206+04.54
15.13' RT

STA. 205+28.80
14.00' LT

STA. 205+35.58
15.93' RT

P.T. 205+28.80

ESA - STREAM °2
25' BUFFER

RECONSTRUCT CONCRETE FLUME
TIE TO EXISTING
STA. 204+52.54
SEE DRAWING 38-0004
FOR DETAILS

Curve° 20
P.C. 204+61.78
N 70°28'49.6" E

SPI

P.T. 204+46.55

PERENNIAL STREAM °2

STA. 204+46.55
14.00' LT

BEGIN HANDRAIL TAPER
STA 204+46.55
33.75' LT

Curve° 19
STA. 203+95.60
13.88' RT

STA. 203+94.02
16.62' RT

APG DRUID CHASE, LLC

PRIVATE D/W

Curve° 19
PI Sta° 203+95.03
N° 1393331.4415
E° 2243315.7958
DELTA° 68°37'32.2" (LT)
D° 57°17'44.81"
T° 68.25
L° 119.77
R° 100.00
E° 21.07
D.S.° 18

Curve° 20
PI Sta° 204+95.83
N° 1393370.7108
E° 2243426.5688
DELTA° 24°56'02.7" (LT)
D° 37°12'18.19"
T° 34.05
L° 67.02
R° 154.00
E° 3.72
D.S.° 18

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
REQ'D LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

Brookhaven GEORGIA

Heath & Lineback Engineers INCORPORATED
2390 CANTON ROAD • BUILDING 200
MARIETTA, GEORGIA 30066-5393
(770) 424-1668

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF BROOKHAVEN

CONSTRUCTION PLAN

PEACHTREE CREEK GREENWAY FROM ATL TO NORTH DRUID HILLS RD - PHASE II

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		13-0005
CORRECTED:		DATE:		
VERIFIED:		DATE:		

7/31/2015 GPLN

Curve* 21
PI Sta: 206+98.73
N: 1393513.5647
E: 2243572.1735
DELTA: 9°05'31.8" (RT)
D: 10°56'03.51"
T: 41.66
L: 83.15
R: 524.00
E: 1.65
D.S.: 18

Curve* 22
PI Sta: 209+22.96
N: 1393643.4352
E: 2243755.1795
DELTA: 18°28'20.3" (LT)
D: 13°13'56.21"
T: 70.41
L: 139.60
R: 433.00
E: 5.69
D.S.: 18

Curve* 23
PI Sta: 211+66.73
N: 1393841.2197
E: 2243899.7568
DELTA: 1°43'32.0" (RT)
D: 10°56'03.51"
T: 7.89
L: 15.78
R: 524.00
E: 0.06
D.S.: 18

MATCH LINE STA. 206+50 DRAWING No. 13-0005

MATCH LINE STA. 212+50 DRAWING No. 13-0007

STA. 206+57.07
64.00' LT

RECONSTRUCT CONCRETE FLUME
STA. 206+98.77
SEE DRAWING 38-0004
FOR DETAILS

BEGIN HANDRAIL
STA 206+71.32
36.25' LT

END HANDRAIL TAPER
STA 206+90.00
34.75' LT

207+00

RIP RAP
TYPE 3, 18"
12 SY

STA. 207+40.00
64.00' LT

208+00

EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES

209+00

END HANDRAIL TAPER
STA 209+62.00
33.75' LT

BEGIN HANDRAIL TAPER
STA 209+40.31
34.75' LT

RECONSTRUCT CONCRETE FLUME
STA. 209+58.00
SEE DRAWING 38-0004
FOR DETAILS

RIP RAP
TYPE 3, 18"
12 SY

BEGIN WALL 9
STA 209+62.00
34.83' LT

ESA - STREAM #1
25' BUFFER

10
RAGOBO LLC

STA. 211+92.77
55.01' LT

TOP OF BANK

9
APG DRUID CHASE LLC

PERENNIAL STREAM #1
(PEACHTREE CREEK)

212+00

211+00

STA. 210+00.00
55.00' LT

TOP OF BANK

210+00

ESA - STREAM #1
25' BUFFER

STA. 212+01.41
14.00' LT

STA. 211+58.84
14.00' LT

STA. 211+74.62
14.00' LT

STA. 209+92.15
14.00' LT

STA. 208+52.55
14.00' LT

STA. 207+40.22
14.00' LT

SP1

SP2

SP3

N 54°38'18.7" E

N 36°09'58.3" E

N 37°53'30.4" E

℄ CONSTRUCTION W DRUID HILLS DR NE

TEMP ESM'T

TEMP ESM'T

STA. 206+57.07
14.00' LT

P.C. 206+57.07

N 45°32'46.9" E

Curve* 21

P.T. 207+40.22

STA. 207+97.18
14.83' RT

STA. 208+69.15
16.06' RT

P.C. 208+52.55

Curve* 22

STA. 209+63.25
15.72' RT

P.T. 209+92.15

STA. 211+52.16
16.47' RT

P.C. 211+58.84

Curve* 23

P.T. 211+74.62

STA. 212+07.10
13.00' RT

STA. 212+10.10
27.25' RT

11
WEEKS A.R.

PACIFIC CENTURY
REALTY GROUP, LLC

APG DRUID CHASE, LLC

MT

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
REQ'D LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

Brookhaven GEORGIA

Heath & Lineback Engineers
INCORPORATED
2390 CANTON ROAD • BUILDING 200
MARIETTA, GEORGIA 30066-5393
(770) 424-1668

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF BROOKHAVEN
CONSTRUCTION PLAN
PEACHTREE CREEK GREENWAY FROM
ATL TO NORTH DRUID HILLS RD - PHASE II

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No. 13-0006

7/31/2015 GPLN

Curve° 24
PI Sta: 214+04.07
N: 1394028.5191
E: 2244045.5222
DELTA: 24°33'28.3" (RT)
D: 13°13'56.21"
T: 94.24
L: 185.59
R: 433.00
E: 10.14
D.S.: 18

Curve° 25
PI Sta: 400+54.44
N: 1394048.6784
E: 2244038.8437
DELTA: 43°27'26.8" (LT)
D: 95°29'34.68"
T: 23.91
L: 45.51
R: 60.00
E: 4.59
D.S.: 18

P.C. 400+81.61
N 0°55'25.3" E
P.T. 400+76.04

Curve° 26
PI Sta: 400+94.63
N: 1394091.1812
E: 2244039.5290
DELTA: 24°29'24.7" (RT)
D: 95°29'34.68"
T: 13.02
L: 25.65
R: 60.00
E: 1.40
D.S.: 18

Curve° 27
PI Sta: 401+79.09
N: 1394167.8221
E: 2244075.9435
DELTA: 34°57'05.1" (RT)
D: 95°29'34.68"
T: 18.89
L: 36.60
R: 60.00
E: 2.90
D.S.: 18

Curve° 28
PI Sta: 402+72.56
N: 1394214.6234
E: 2244158.2125
DELTA: 7°04'36.0" (LT)
D: 57°17'44.81"
T: 6.18
L: 12.35
R: 100.00
E: 0.19
D.S.: 18

Curve° 29
PI Sta: 404+12.62
N: 1394298.3595
E: 2244270.5066
DELTA: 7°41'52.1" (RT)
D: 95°29'34.68"
T: 4.04
L: 8.06
R: 60.00
E: 0.14
D.S.: 18

Curve° 30
PI Sta: 404+68.50
N: 1394325.4667
E: 2244319.3820
DELTA: 28°27'56.9" (LT)
D: 95°29'34.68"
T: 15.22
L: 29.81
R: 60.00
E: 1.90
D.S.: 18

END WALL 9
STA 400+77.00
8.08' LT

STA. 400+81.61
28.00' LT

STA. 400+76.04
28.00' LT

STA. 401+00.00
28.00' LT

STA. 400+30.53
28.00' LT

P.C. 400+30.53
N 44°22'52.1" E

STA. 400+00.00
28.00' LT

STA. 213+28.00
55.00' LT

℄ CONSTRUCTION W. DRUID HILLS DR NE - STA 213+58.87 =
℄ CONSTRUCTION PEACHTREE CREEK GREENWAY - STA 400+00.00

213+00
400+00
401+00
402+00
403+00
404+00

EXISTING PIPE TO REMAIN

P.C. 401+60.20

STA. 401+68.00
16.00' LT

P.T. 401+96.80

STA. 403+00.00
26.00' LT

STA. 403+86.00
21.00' LT

STA. 404+94.63
38.00' LT

TOP OF BANK
PERENNIAL STREAM °1 (PEACHTREE CREEK)
TOP OF BANK
INTERMITTENT STREAM °3

EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES

ESA - STREAM °1 25' BUFFER

N 60°59'11.2" E

N 60°21'55.1" E

N 25°24'50.0" E

N 53°17'19.0" E ℄ CONSTRUCTION PEACHTREE CREEK GREENWAY

N 37°53'30.4" E

N 62°25'58.7" E

STA. 401+12.80
11.00' RT
P.T. 401+07.26

STA. 400+93.00
15.00' RT
BEGIN BOARDWALK °5
STA 400+77.00

STA. 401+60.20
13.00' RT
STA. 401+50.00
13.00' RT
ESA - STREAM °3 25' BUFFER

STA. 401+96.80
13.00' RT

P.C. 402+66.37
STA. 402+66.37
12.00' RT
P.T. 402+78.72

STA. 402+78.72
12.00' RT

ESA - STREAM °1 25' BUFFER

STA. 400+71.11
23.68' RT

STA. 400+67.08
24.45' RT

Curve° 25
STA. 214+25.00
19.00' LT

0.00%
400+71.33

℄ CONSTRUCTION W DRUID HILLS DR NE

Curve° 24

P.C. 213+09.83
STA. 213+09.83
13.00' RT

TEMP ESM'T
STA. 213+09.83
14.00' LT

LIMIT OF CONSTRUCTION
W. DRUID HILLS DR NE
STA 213+58.87

STA. 213+41.00
14.00' LT

STA. 214+17.00
13.00' RT

STA. 214+74.00
19.00' RT
P.T. 214+95.42

STA. 215+35.00
27.00' RT
STA. 215+35.00
31.16' RT

PACIFIC CENTURY REALTY GROUP, LLC

11
WEEKS A.R.

EXISTING PIPE TO REMAIN

STA. 404+08.58
12.00' RT
STA. 403+70.00
30.00' RT
P.T. 404+16.64
STA. 404+16.64
12.00' RT

BEGIN WALL 11
STA 404+25.00
7.00' RT

STA. 404+42.00
19.00' RT

STA. 404+53.28
12.00' RT
P.C. 404+53.28
P.T. 404+83.09
STA. 404+83.09
12.00' RT

N 32°31'14.3" E

10
RAGOBO LLC

STA. 403+64.59
116.78' RT

TEMP ESM'T

W. DRUID HILLS DR NE

STA. 402+92.04
156.92' RT

STA. 403+20.21
166.56' RT

STA. 403+40.50
172.03' RT

N DRUID HILLS RD

END BOARDWALK °5
STA 404+25.00

BEGIN HANDRAIL
STA 404+25.00
7.00' LT

BEGIN WALL 10
STA 404+25.00
8.00' LT

END HANDRAIL TAPER
STA 404+45.00
8.00' LT

END WALL 10
STA 404+88.00
8.00' LT

Curve° 29
P.C. 404+08.58

Curve° 30

MATCH LINE STA. 405+00 DRAWING No. 13-0008

MATCH LINE STA. 212+50 DRAWING No. 13-0006

14'

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
REQ'D LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

Brookhaven GEORGIA

Heath & Lineback Engineers INCORPORATED
2390 CANTON ROAD • BUILDING 200
MARIETTA, GEORGIA 30066-5393
(770) 424-1668

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF BROOKHAVEN
CONSTRUCTION PLAN
PEACHTREE CREEK GREENWAY FROM ATL TO NORTH DRUID HILLS RD - PHASE II

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No. 13-0007

7/31/2015 GPLN

BEGIN HANDRAIL TAPER
STA 404+50.00
8.00' LT

ESA - STREAM #1
25' BUFFER

EXISTING PIPE
TO REMAIN

TOP OF BANK

PERENNIAL STREAM #1
(PEACHTREE CREEK)

END HANDRAIL
STA 404+70.00
9.5' LT

N DRUID HILLS RD

406.00

TOP OF BANK

RIP RAP
TYPE 3, 18"
12 SY

RIP RAP
TYPE 3, 18"
38 SY

MATCH LINE STA. 405+00 DRAWING No. 13-0007

N 32°31'14.3" E
℄ CONSTRUCTION PEACHTREE CREEK GREENWAY

STA. 405+06.39
12.00' RT

TEMP ESM'T

EXISTING PIPE TO REMAIN

STA. 405+12.86
39.51' RT

END WALL 11
STA 406+00.00
7.00' RT

Curve# 31
P.C. 406+04.23

N 30°22'26.0" E
P.T. 406+22.96

END PROJECT
END CONSTRUCTION
PEACHTREE CREEK GREENWAY
PI 0016053
STA 406+42.51
N 1394473.2964
E 2244412.3499
TIE TO EXISTING

CITY OF BROOKHAVEN

ESA - STREAM #1
25' BUFFER

EXISTING PEACHTREE CREEK
GREENWAY - PHASE I TRAILHEAD

Curve# 31
PI Sta= 406+13.59
N= 1394448.3433
E= 2244397.7252
DELTA= 2°08'48.2" (LT)
D= 11°27'32.96"
T= 9.37
L= 18.73
R= 500.00
E= 0.09
D.S.= 18

10
RAGOBO LLC

STA. 405+28.86
107.55' RT

TEMP ESM'T

STA. 405+42.60
165.96' RT

N DRUID HILLS DR NE

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
REQ'D LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

Brookhaven GEORGIA

Heath & Lineback Engineers
INCORPORATED
2390 CANTON ROAD • BUILDING 200
MARIETTA, GEORGIA 30066-5393
(770) 424-1668

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF BROOKHAVEN
CONSTRUCTION PLAN
PEACHTREE CREEK GREENWAY FROM
ATL TO NORTH DRUID HILLS RD - PHASE II

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		13-0008
CORRECTED:		DATE:		
VERIFIED:		DATE:		

7/31/2015 GPLN

Curve* 33
PI Sta* 304+15.82
N* 1392909.4411
E* 2241931.2689
DELTA* 85°08'52.4" (LT)
D*190°59'09.35"
T* 27.56
L* 44.58
R* 30.00
E* 10.74
D.S.* 18

3
LINDA CARTER

BUFORD HWY

LAND LOT 155
LAND LOT 154

306+42

306+00

T-BEAM TERMINAL SECTION
GA STD 4385
STA 306+36.53', 10.00' LT

REMOVEABLE DOOR PLATE BOLLARD
STA 306+35.00
0.00'
SEE SHEET 38-0001 FOR
CONST. DETAILS

END BOARDWALK *6
STA 306+36.25

STA. 306+06.84
17.00' LT

LIMIT OF CONSTRUCTION
BUFORD HWY SPUR
STA 306+36.93

FIXED BOLLARDS
STA 306+35.00
5.50' LT & RT
SEE SHEET 38-0001 FOR
CONST. DETAILS

T-BEAM TERMINAL SECTION
GA STD 4385
STA 306+34.34, 10.00' RT

305+00

STA. 306+01.95
36.32' RT

STA. 304+06.78
18.00' LT

304+00

Curve* 33 EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES

℄CONSTRUCTION BUFORD HWY SPUR

S 51°33'15.8" E

CHAIN LINK FENCE

STA. 305+61.00
50.00' RT

2
ATLANTA HOLDINGS 196 LLC

STA. 305+96.09
56.00' RT

STA. 305+90.39
116.67' RT

STA. 305+51.00
159.00' RT

TEMP ESM'T

MATCH LINE STA. 304+00 DRAWING No. 13-0002

STA. 304+17.00
34.00' RT

PT 304+32.84

1
ATLANTA HOLDINGS 196 LLC

STA. 305+85.62
170.23' RT

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
REQ'D LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

Brookhaven GEORGIA

Heath & Lineback Engineers
INCORPORATED
2390 CANTON ROAD • BUILDING 200
MARIETTA, GEORGIA 30066-5393
(770) 424-1668

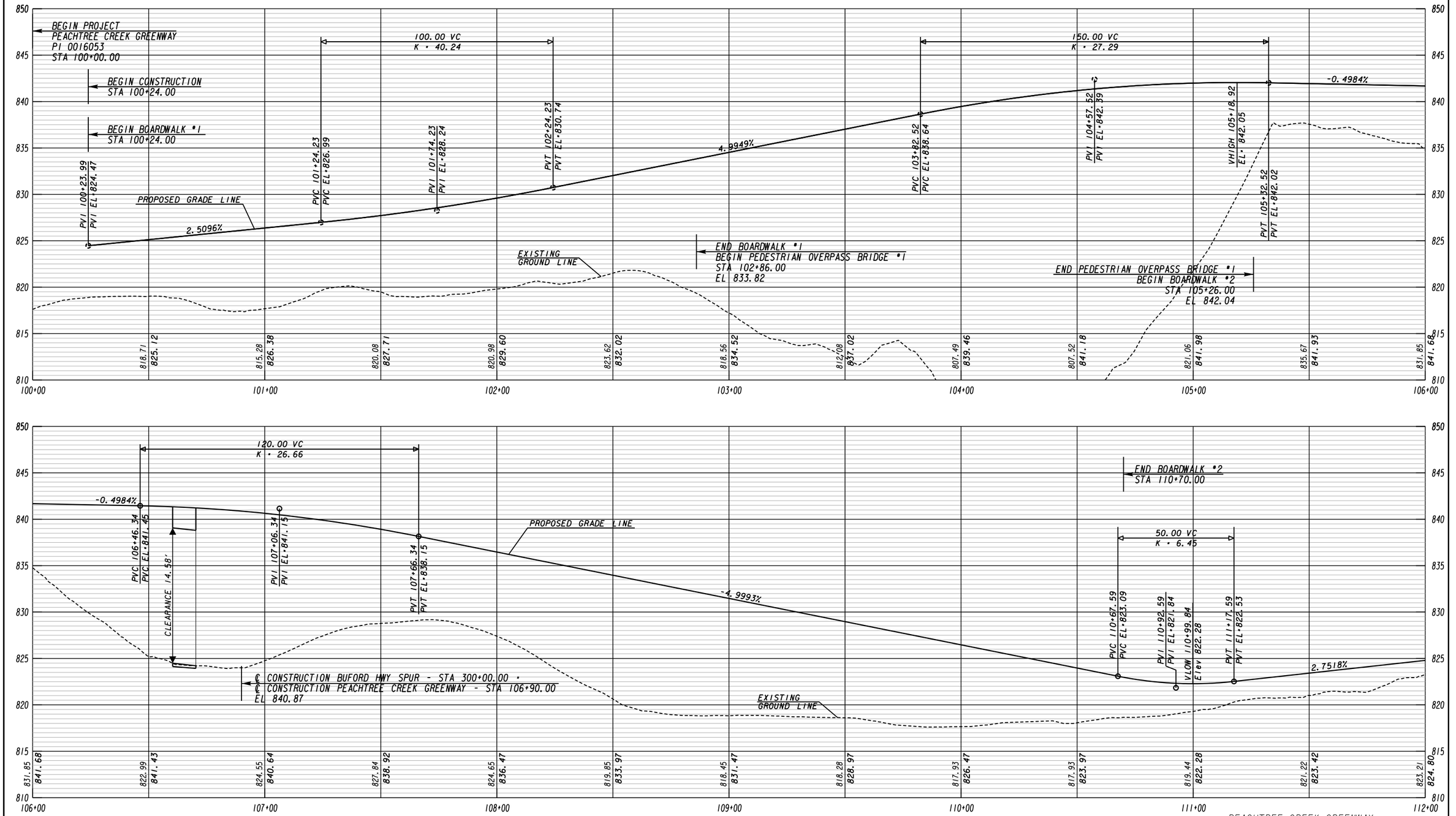
SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF BROOKHAVEN
CONSTRUCTION PLAN
PEACHTREE CREEK GREENWAY FROM
ATL TO NORTH DRUID HILLS RD - PHASE II

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		13-0009
CORRECTED:		DATE:		
VERIFIED:		DATE:		

7/31/2015 GPLN



PEACHTREE CREEK GREENWAY

Brookhaven GEORGIA

Heath & Lineback Engineers
INCORPORATED
2390 CANTON ROAD • BUILDING 200
MARIETTA, GEORGIA 30066-5393
(770) 424-1668

HORIZONTAL: 1"=20'
VERTICAL: 1"=5'

REVISION DATES

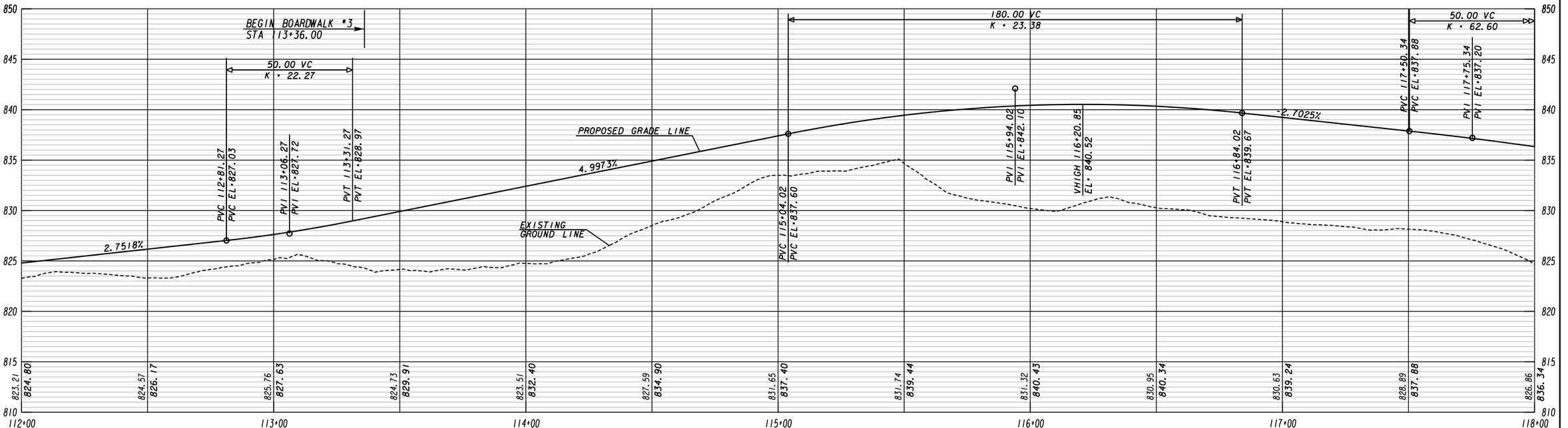
CITY OF BROOKHAVEN

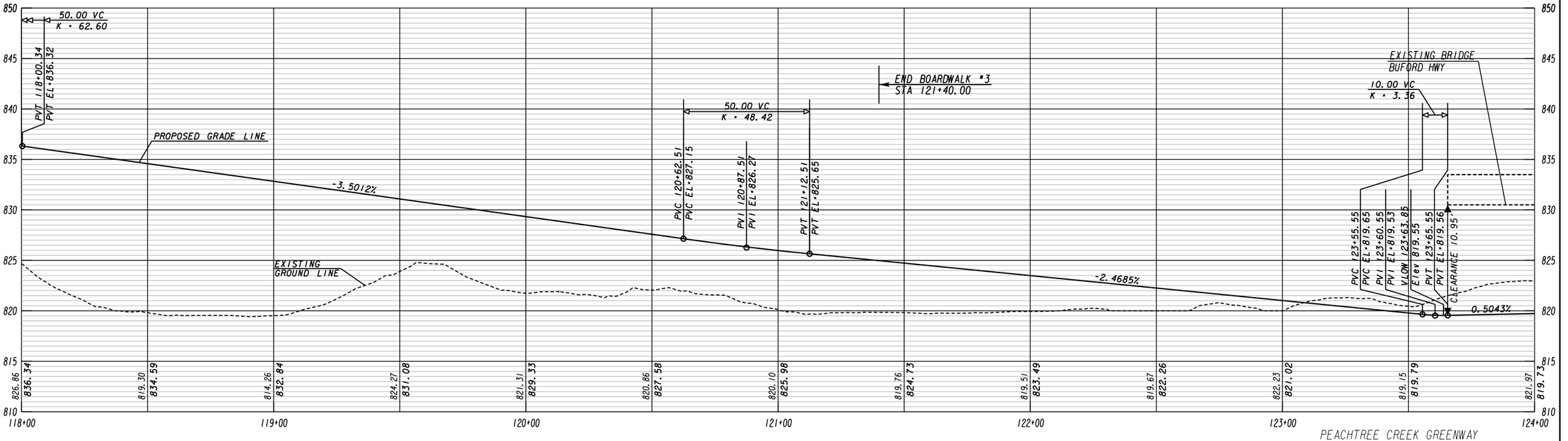
MAINLINE PROFILE

PEACHTREE CREEK GREENWAY FROM ATL TO NORTH DRUID HILLS RD - PHASE II

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		15-0001
CORRECTED:		DATE:		
VERIFIED:		DATE:		

7/31/2015 GR220E





PEACHTREE CREEK GREENWAY

Brookhaven GEORGIA

Heath & Lineback Engineers
INCORPORATED
2390 CANTON ROAD • BUILDING 200
MARIETTA, GEORGIA 30066-5393
(770) 424-1668

HORIZONTAL: 1"=20'
VERTICAL: 1"=5'

REVISION DATES

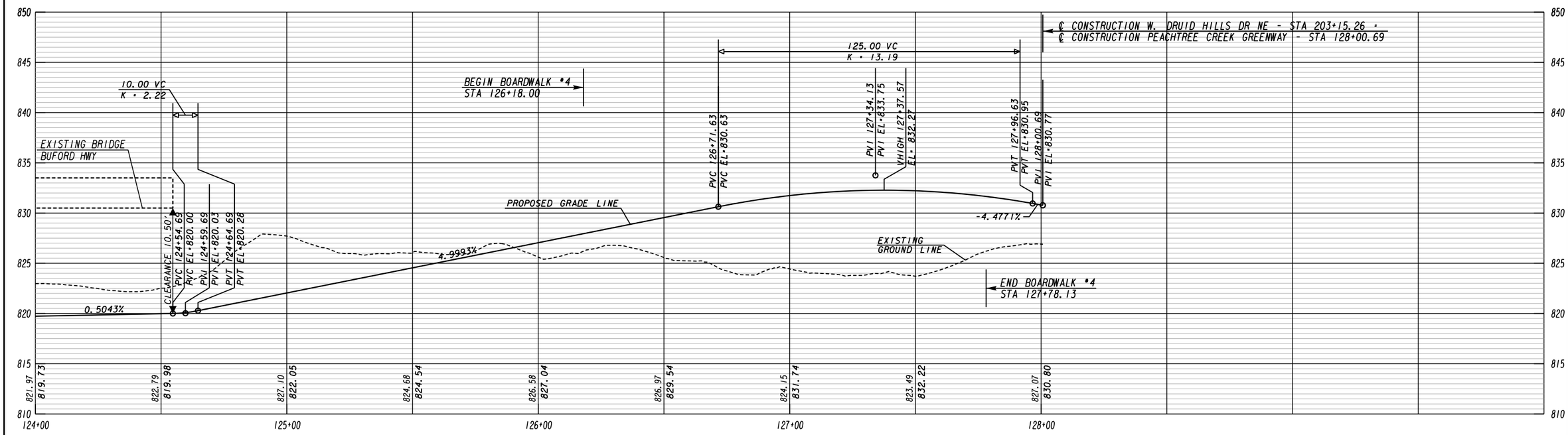
CITY OF BROOKHAVEN

MAINLINE PROFILE

PEACHTREE CREEK GREENWAY FROM ATL TO NORTH DRUID HILLS RD - PHASE II

CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	15-0002
CORRECTED:		DATE:	
VERIFIED:		DATE:	

7/31/2015 GR220E



PEACHTREE CREEK GREENWAY

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CITY OF BROOKHAVEN

MAINLINE PROFILE

PEACHTREE CREEK GREENWAY FROM
ATL TO NORTH DRUID HILLS RD - PHASE II

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CORRECTED:		DATE:		
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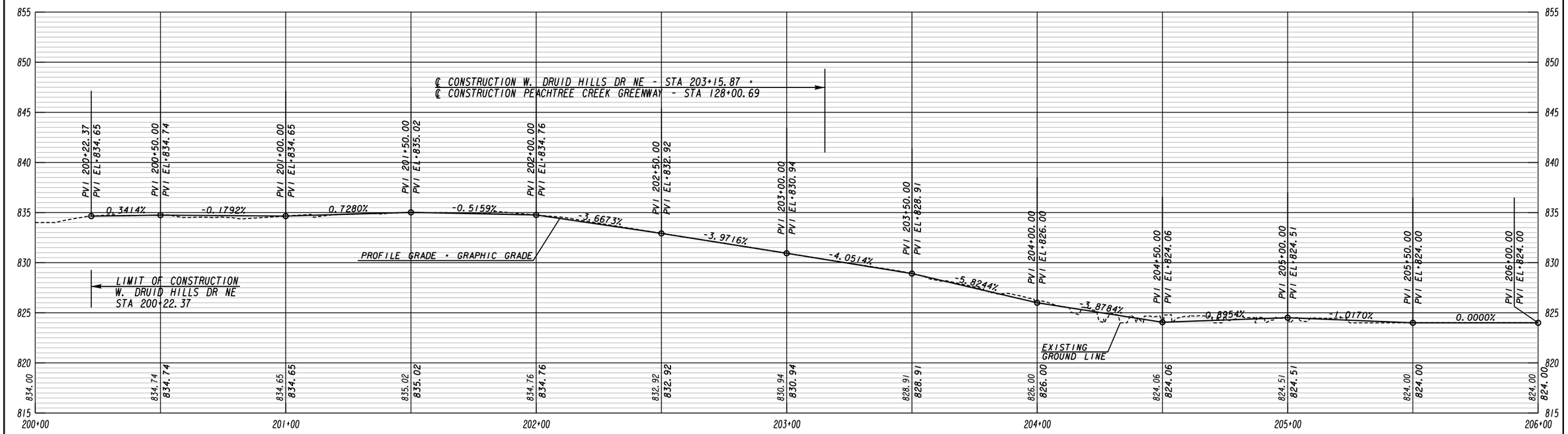

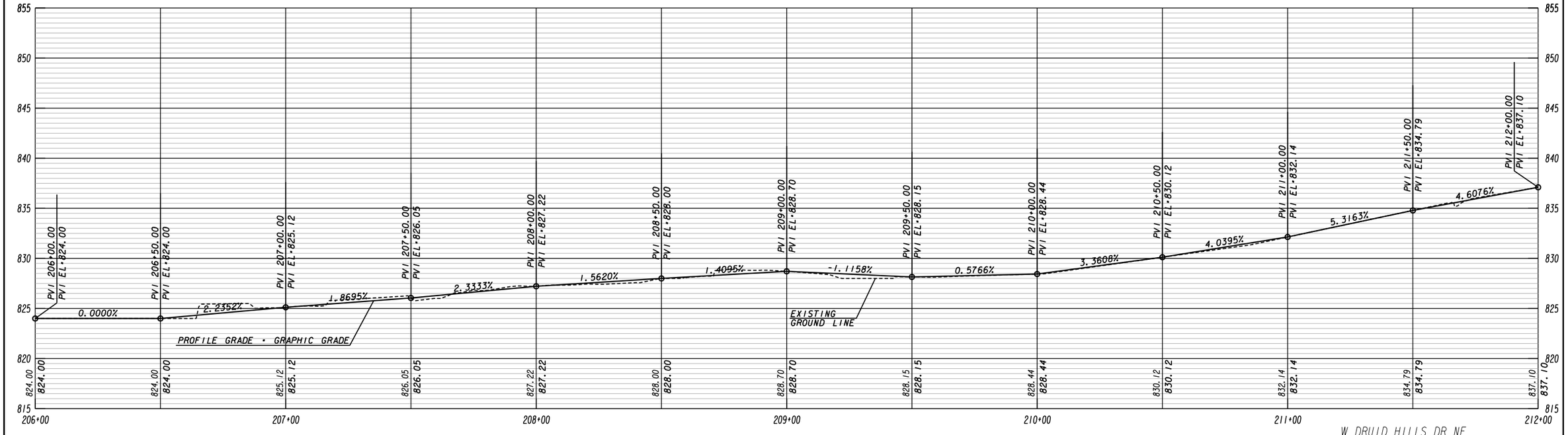

W DRUID HILLS DR NE

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CITY OF BROOKHAVEN

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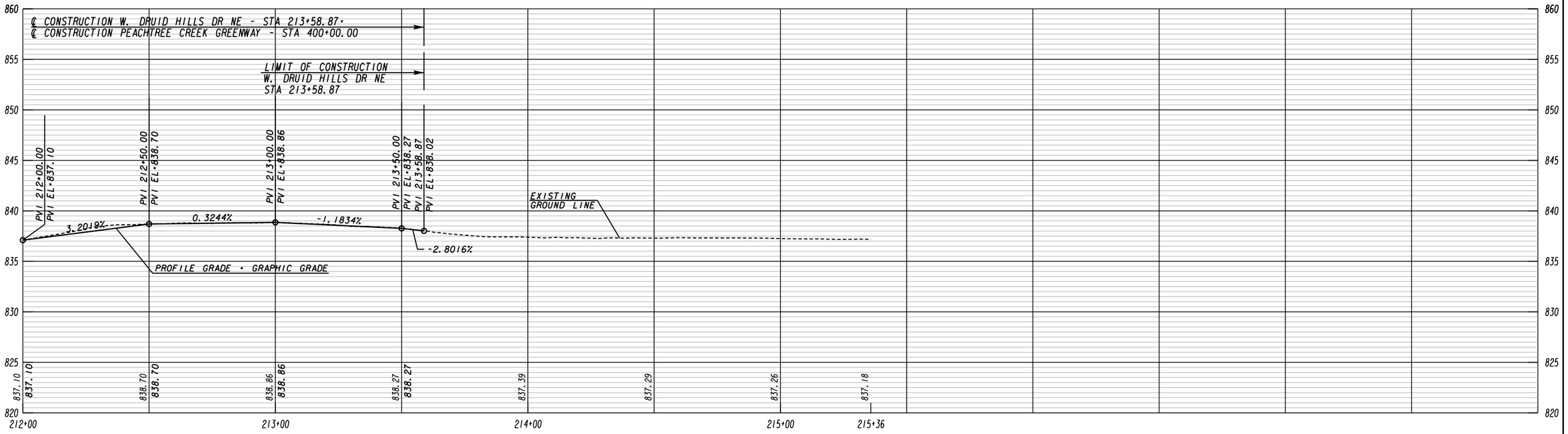

W DRUID HILLS DR NE

CITY OF BROOKHAVEN

MAINLINE PROFILE

PEACHTREE CREEK GREENWAY FROM ATL TO NORTH DRUID HILLS RD - PHASE II

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CORRECTED:		DATE:		
VERIFIED:		DATE:		

7/31/2015 GR220E

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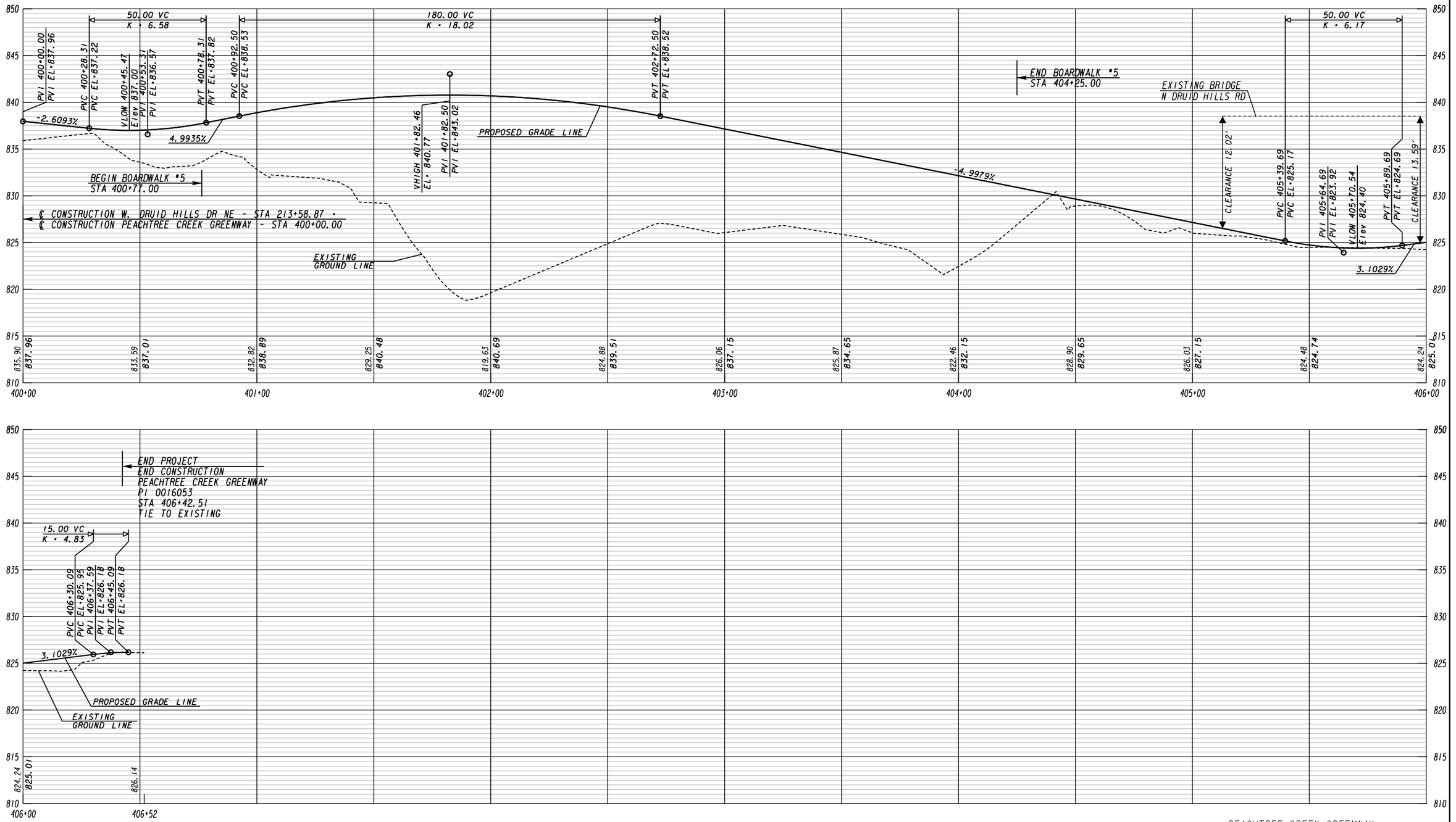
USER:pjames					



PEACHTREE CREEK GREENWAY

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REVISION DATES

CITY OF BROOKHAVEN

MAINLINE PROFILE

PEACHTREE CREEK GREENWAY FROM
ATL TO NORTH DRUID HILLS RD - PHASE II

CHECKED:		DATE:	
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CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 15-0006

7/31/2015 GR220E

℄ CONSTRUCTION BUFORD HWY SPUR - STA 300+00.00 =
℄ CONSTRUCTION PEACHTREE CREEK GREENWAY - STA 106+90.00

BEGIN BOARDWALK 6
STA 300+07.50

PROPOSED GRADE LINE

PVI 300+00.00 PVI EL-840.87
PVI 300+07.50 PVI EL-840.95
PVI 300+37.50 PVI EL-843.45
PVI 300+42.50 PVI EL-843.55
PVI 300+72.50 PVI EL-846.05
PVI 300+77.50 PVI EL-846.15
PVI 301+07.50 PVI EL-848.65
PVI 301+12.50 PVI EL-848.75
PVI 301+42.50 PVI EL-851.25
PVI 301+47.50 PVI EL-851.35
PVI 301+77.50 PVI EL-853.85
PVI 301+82.50 PVI EL-853.94
PVI 302+05.00 PVI EL-855.82
PVI 302+12.50 PVI EL-855.82
PVI 302+32.50 PVI EL-856.02
PVI 302+40.00 PVI EL-856.02
PVI 302+70.00 PVI EL-858.52
PVI 302+75.00 PVI EL-858.62
PVI 303+05.00 PVI EL-861.12
PVI 303+10.00 PVI EL-861.22
PVI 303+40.00 PVI EL-863.72
PVI 303+45.00 PVI EL-863.82
PVI 303+75.00 PVI EL-866.32
PVI 303+80.00 PVI EL-866.42
PVI 304+10.00 PVI EL-868.92
PVI 304+15.00 PVI EL-869.02
PVI 304+45.00 PVI EL-871.52
PVI 304+50.00 PVI EL-871.62
PVI 304+80.00 PVI EL-874.12
PVI 304+85.00 PVI EL-874.22
PVI 305+15.00 PVI EL-876.72
PVI 305+20.00 PVI EL-876.82
PVI 305+50.00 PVI EL-879.32
PVI 305+55.00 PVI EL-879.42
PVI 305+85.00 PVI EL-881.92
PVI 305+90.00 PVI EL-882.02

8.3333%
1.0000%
0.0000%
2.0000%

EXISTING GROUND LINE

823.80 840.87 | 830.51 844.17 | 833.47 848.02 | 827.99 851.55 | 821.51 855.40 | 824.44 856.85 | 830.56 860.70 | 835.38 864.24 | 834.55 868.09 | 846.50 871.62 | 857.99 875.47 | 866.04 879.32 | 873.77 882.85

300+00 301+00 302+00 303+00 304+00 305+00 306+00

900 895 890 885 880 875 870 865 860 855 850 845 840 835 830 825 820 815

BUFORD HWY SPUR

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REVISION DATES

CITY OF BROOKHAVEN

CROSSROAD PROFILE

PEACHTREE CREEK GREENWAY FROM ATL TO NORTH DRUID HILLS RD - PHASE II

CHECKED:		DATE:		DRAWING No.
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VERIFIED:		DATE:		

BUFORD HWY SPUR

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VERTICAL: 1"=5'

REVISION DATES

CITY OF BROOKHAVEN

CROSSROAD PROFILE

PEACHTREE CREEK GREENWAY FROM ATL TO NORTH DRUID HILLS RD - PHASE II

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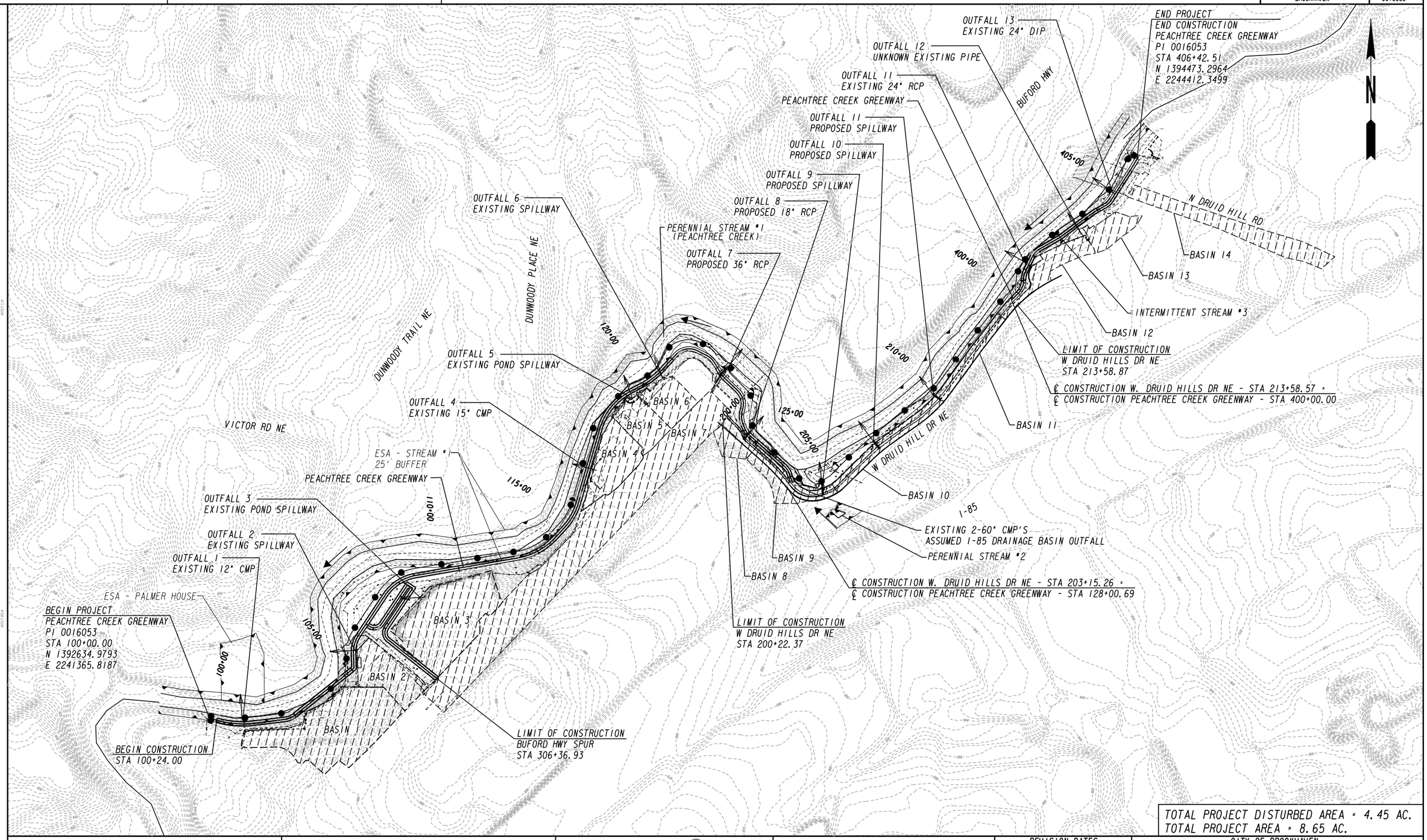
CORRECTED:		DATE:		
VERIFIED:		DATE:		

7/31/2015 GR220E



TOTAL PROJECT DISTURBED AREA = 4.45 AC.
TOTAL PROJECT AREA = 8.65 AC.

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SCALE IN FEET
0 150 300 600

REVISION DATES

CITY OF BROOKHAVEN

DRAINAGE AREA MAP

PEACHTREE CREEK GREENWAY FROM ATL TO NORTH DRUID HILLS RD - PHASE II

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		21-0001
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VERIFIED:		DATE:		

7/31/2015 GPLN

℄ CONSTRUCTION BUFORD HWY SPUR - STA 300+00.00 *
℄ CONSTRUCTION PEACHTREE CREEK GREENWAY - STA 106+90.00

BEGIN PROJECT
PEACHTREE CREEK GREENWAY
PI 0016053
STA 100+00.00
N 1392634.9793
E 2241365.8187

BEGIN CONSTRUCTION
STA 100+24.00

OUTFALL 1
EXISTING 12" CMP

CONVERSE DR NE

ESA - PALMER HOUSE

PERENNIAL STREAM #1
(PEACHTREE CREEK)

ESA - STREAM #1
25' BUFFER

OUTFALL 2
EXISTING SPILLWAY

OUTFALL 3
EXISTING POND SPILLWAY

DUNWOODY PL NE

PEACHTREE CREEK GREENWAY

OUTFALL 4
EXISTING 15" CMP

100+00
105+00
110+00
115+00

BASIN 1
BASIN 2
BASIN 3
BASIN 4
BASIN 5
BASIN 7

BUFORD HWY
BUFORD HWY SPUR

LIMIT OF CONSTRUCTION
BUFORD HWY SPUR
STA 306+36.93

I-85

MATCH LINE STA. 119+00 DRAWING No. 21-0003

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SCALE IN FEET
0 75 150 300

REVISION DATES

CITY OF BROOKHAVEN
DRAINAGE AREA MAP
PEACHTREE CREEK GREENWAY FROM
ATL TO NORTH DRUID HILLS RD - PHASE II

CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	21-0002
CORRECTED:		DATE:	
VERIFIED:		DATE:	

7/31/2015 GPLN

MATCH LINE STA. 119+00 DRAWING No. 21-0002

OUTFALL 2
EXISTING POND SPILLWAY

OUTFALL 6
EXISTING SPILLWAY

120+00

BASIN 5

BASIN 6

7-1

7-1A

7-2

OUTFALL 7
PROPOSED 36" RCP

BASIN 7

LIMIT OF CONSTRUCTION
W DRUID HILLS DR NE
STA 200+22.37

200+00

BUFORD HWY NE

BASIN 8

8-1

8-2

OUTFALL 8
PROPOSED 18" RCP

125+00

OUTFALL 9
PROPOSED SPILLWAY

OUTFALL 10
PROPOSED SPILLWAY

BASIN 9

205+00

ESA - STREAM #1
25' BUFFER

OUTFALL 11
PROPOSED SPILLWAY

PERENNIAL STREAM #1
(PEACHTREE CREEK)

210+00

400+00

405+00

OUTFALL 12
EXISTING 24" RCP

PEACHTREE CREEK GREENWAY

OUTFALL 13
UNKNOWN EXISTING PIPE

OUTFALL 14
EXISTING 24" DIP

END PROJECT
END CONSTRUCTION
PEACHTREE CREEK GREENWAY
PI 0016053
STA 406+42.51
N 1394473.2964
E 2244412.3499

BASIN 12

BASIN 13

BASIN 14

W DRUID HILLS DR NE

BASIN 10

BASIN 11

EXISTING 2-60" CMP'S
ASSUMED I-85 DRAINAGE BASIN OUTFALL

PERENNIAL STREAM #2

I-85

℄ CONSTRUCTION W. DRUID HILLS DR NE - STA 203+15.26 •
℄ CONSTRUCTION PEACHTREE CREEK GREENWAY - STA 128+00.69

LIMIT OF CONSTRUCTION
W DRUID HILLS DR NE
STA 213+58.87

INTERMITTENT STREAM #3

℄ CONSTRUCTION W. DRUID HILLS DR NE - STA 213+58.57 •
℄ CONSTRUCTION PEACHTREE CREEK GREENWAY - STA 400+00.00

N DRUID HILLS RD

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SCALE IN FEET
0 75 150 300

REVISION DATES

CITY OF BROOKHAVEN
DRAINAGE AREA MAP
PEACHTREE CREEK GREENWAY FROM
ATL TO NORTH DRUID HILLS RD - PHASE II

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BASIN NO.	PIPE LOCATION AND DESCRIPTION				DISTURBED AREA	CONTRIBUTING AREA (ac)	EXISTING RUNOFF COEFFICIENT			EXISTING RUNOFF (CFS)			PROPOSED RUNOFF COEFFICIENT			PROPOSED RUNOFF (CFS)			PRE - HEADWATER ELEV.		PRE - VELOCITY (FPS)		POST - HEADWATER ELEV.		POST - VELOCITY (FPS)	
	ROAD	STATION	OFFSET	STRUCTURE TYPE			C_{25}	C_{50}	C_{100}	(cfs) Q_{25}	(cfs) Q_{50}	(cfs) Q_{100}	C_{25}	C_{50}	C_{100}	(cfs) Q_{25}	(cfs) Q_{50}	(cfs) Q_{100}	(ft) Hw_{50}	(ft) Hw_{100}	(fps) V_{50}	(fps) V_{100}	(ft) Hw_{50}	(ft) Hw_{100}	(fps) V_{50}	(fps) V_{100}
1	PEACHTREE CREEK GREENWAY	STA 101+11.32	13.26' LT	Existing 12" CMP	0.00	1.74	0.88	0.95	0.95	11.59	14.07	15.68	0.88	0.95	0.95	11.59	14.07	15.68	N/ A	N/ A	17.91	19.96	N/ A	N/ A	17.91	19.96
2	PEACHTREE CREEK GREENWAY	STA 105+93.20	4.91' RT	Existing Spillway	0.00	0.63	0.89	0.95	0.95	4.28	5.13	5.71	0.89	0.95	0.95	4.28	5.13	5.71	N/ A	N/ A	N/ A	N/ A	N/ A	N/ A	N/ A	N/ A
3	PEACHTREE CREEK GREENWAY	STA 109+28.42	73.05' RT	Existing Pond Spillway	0.00	1.58	0.98	0.95	0.95	14.43	15.71	17.51	0.95	0.95	0.95	13.95	15.71	17.51	N/ A	N/ A	N/ A	N/ A	N/ A	N/ A	N/ A	N/ A
4	PEACHTREE CREEK GREENWAY	STA 116+66.30	6.62' LT	Exisitng 15" CMP	0.00	0.67	0.85	0.92	0.95	5.29	6.50	7.46	0.85	0.92	0.95	5.29	6.50	7.46	N/ A	N/ A	2.36	10.11	N/ A	N/ A	2.36	10.11
5	PEACHTREE CREEK GREENWAY	STA 119+59.27	23.48' RT	Existing Pond Spillway	0.00	0.43	0.94	0.95	0.95	3.80	4.34	4.83	0.94	0.95	0.95	3.80	4.34	4.83	N/ A	N/ A	N/ A	N/ A	N/ A	N/ A	N/ A	N/ A
6	PEACHTREE CREEK GREENWAY	STA 120+75.76	21.26' RT	Existing Spillway	0.00	0.41	0.95	0.95	0.95	3.60	4.06	4.52	0.95	0.95	0.95	3.60	4.06	4.52	N/ A	N/ A	N/ A	N/ A	N/ A	N/ A	N/ A	N/ A
7	PEACHTREE CREEK GREENWAY	STA 123+34.39	41.48' LT	Proposed 36" RCP	0.00	3.34	0.95	0.95	0.95	29.53	33.27	37.07	0.95	0.95	0.95	29.53	33.27	37.07	N/ A	N/ A	9.43	9.68	N/ A	N/ A	9.43	9.68
8	N DRUID HILLS DR NE	STA 125+79.06	8.05' LT	Proposed 18" RCP	0.19	0.27	0.81	0.88	0.92	1.85	2.27	2.64	0.83	0.91	0.95	2.12	2.60	3.02	N/ A	N/ A	N/ A	N/ A	N/ A	N/ A	6.31	6.59
9	N DRUID HILLS DR NE	STA 204+55.27	51.72' LT	Proposed Spillway	0.13	0.43	0.75	0.82	0.85	2.19	2.69	3.12	0.77	0.84	0.88	3.10	3.81	4.42	N/ A	N/ A	N/ A	N/ A	N/ A	N/ A	N/ A	N/ A
10	N DRUID HILLS DR NE	STA 206+98.92	42.35' LT	Proposed Spillway	0.22	0.37	0.17	0.19	0.19	0.25	0.30	0.35	0.89	0.95	0.95	3.09	3.69	4.12	N/ A	N/ A	N/ A	N/ A	N/ A	N/ A	N/ A	N/ A
11	N DRUID HILLS DR NE	STA 209+55.64	40.78' LT	Proposed Spillway	0.16	0.27	0.95	0.95	0.95	1.02	1.15	1.28	0.94	0.95	0.95	2.39	2.72	3.04	N/ A	N/ A	N/ A	N/ A	N/ A	N/ A	N/ A	N/ A
12	PEACHTREE CREEK GREENWAY	STA 401+33.22	14.53' LT	Existing 24" RCP	0.04	0.44	0.95	0.95	0.95	3.51	3.95	4.41	0.95	0.95	0.95	3.89	4.36	4.86	N/ A	N/ A	7.32	7.35	N/ A	N/ A	7.37	7.37
13	PEACHTREE CREEK GREENWAY	STA 403+39.06	12.75' RT	Unknown Existing Pipe	0.00	0.33	0.74	0.81	0.84	2.26	2.78	3.23	0.74	0.81	0.84	2.26	2.78	3.23	N/ A	N/ A	N/ A	N/ A	N/ A	N/ A	N/ A	N/ A
14	PEACHTREE CREEK GREENWAY	STA 405+05.72	10.24' LT	Existing 24" DIP	0.00	0.80	0.95	0.95	0.95	7.09	7.98	8.90	0.95	0.95	0.95	7.09	7.98	8.90	N/ A	N/ A	N/ A	N/ A	N/ A	N/ A	N/ A	N/ A

Structure #	Location		Description	Total Area (ac)	Pipe Size & Type	Skew Angle (DD MM SS)	PRE - Composite Runoff Coefficient	PRE - Flood Discharge	PRE - Velocities	POST - Composite Runoff Coefficient	POST - Flood Discharge	POST - Velocities
							C_{10}	(cfs) Q_{10}	(fps) V_{10}	C_{10}	(cfs) Q_{10}	(fps) V_{10}
7-1A	STA 123+66.95	66.82' RT	EXIST. GA STD 1033D	3.34	EXIST. 36" RCP	N/A	0.92	23.87	13.06	0.92	23.87	13.06
7-1	STA 123+58.02	27.32' RT	PROP. GA STD 1011A	N/A	PROP. 36" RCP	N/A	N/A	N/A	N/A	N/A	23.87	8.55
8-1	STA 201+00.29	15.19' LT	PROP. GA STD 1019A	0.27	PROP. 18" RCP	N/A	N/A	N/A	N/A	0.76	1.61	5.49

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REVISION DATES

CITY OF BROOKHAVEN
DRAINAGE AREA MAP
PEACHTREE CREEK GREENWAY FROM ATL TO NORTH DRUID HILLS RD - PHASE II

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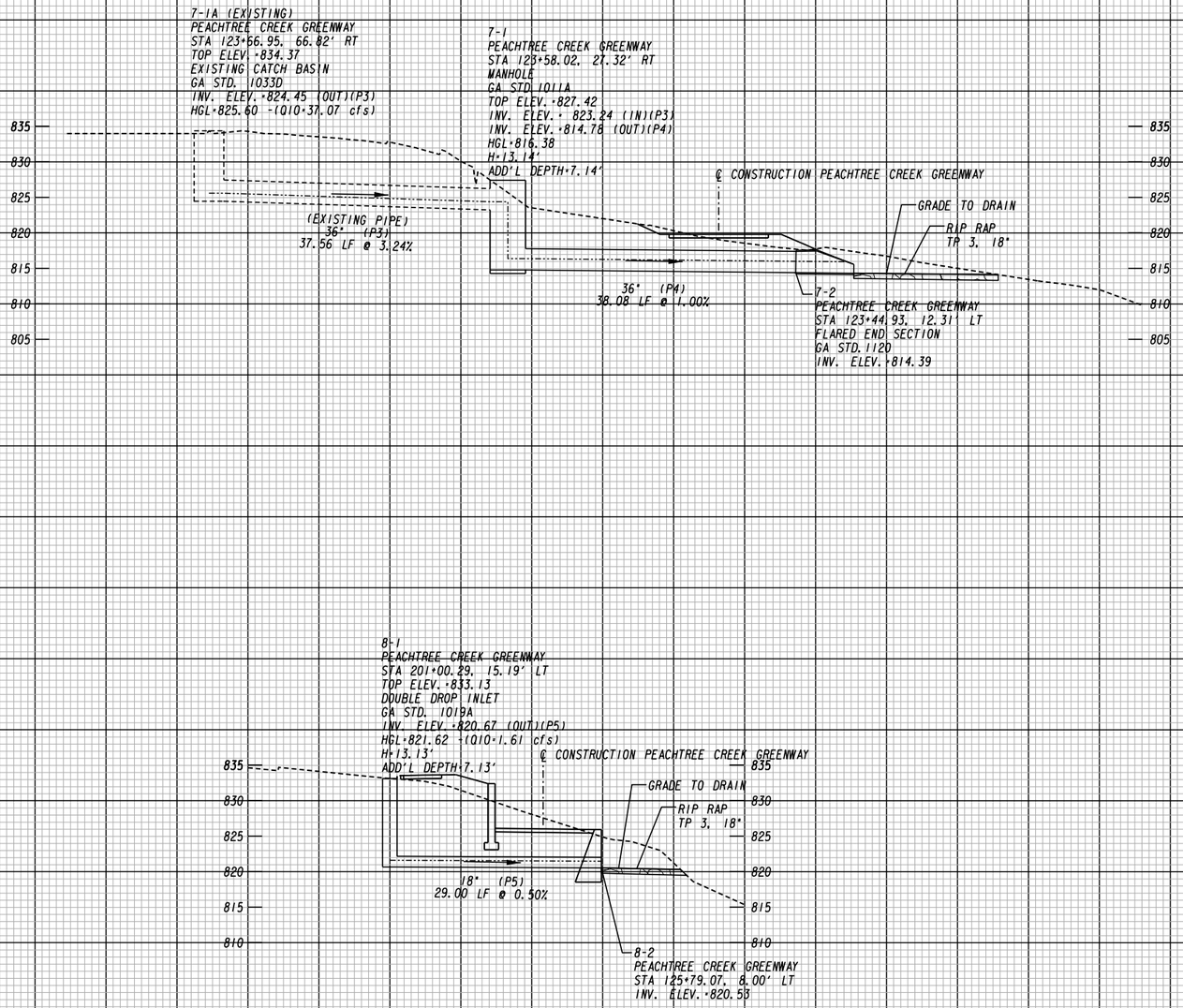

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SCALE:
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1 INCH = 10 FEET HORIZ.

REVISION DATES

CITY OF BROOKHAVEN

DRAINAGE PROFILES

PEACHTREE CREEK GREENWAY FROM ATL TO NORTH DRUID HILLS RD - PHASE II

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		22-0001
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VERIFIED:		DATE:		

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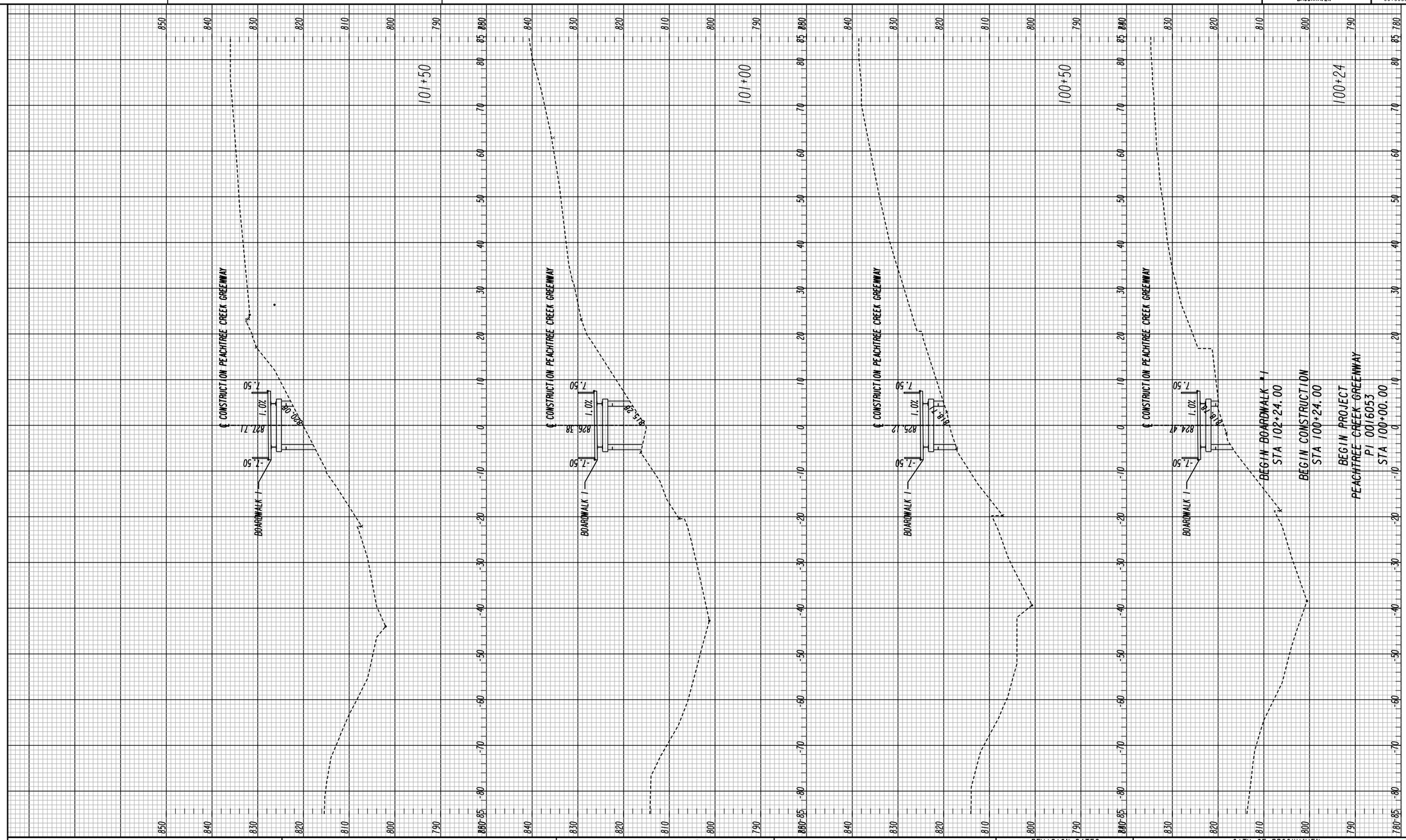

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REVISION DATES

CITY OF BROOKHAVEN

CROSS SECTIONS

PEACHTREE CREEK GREENWAY FROM ATL TO NORTH DRUID HILLS RD - PHASE II

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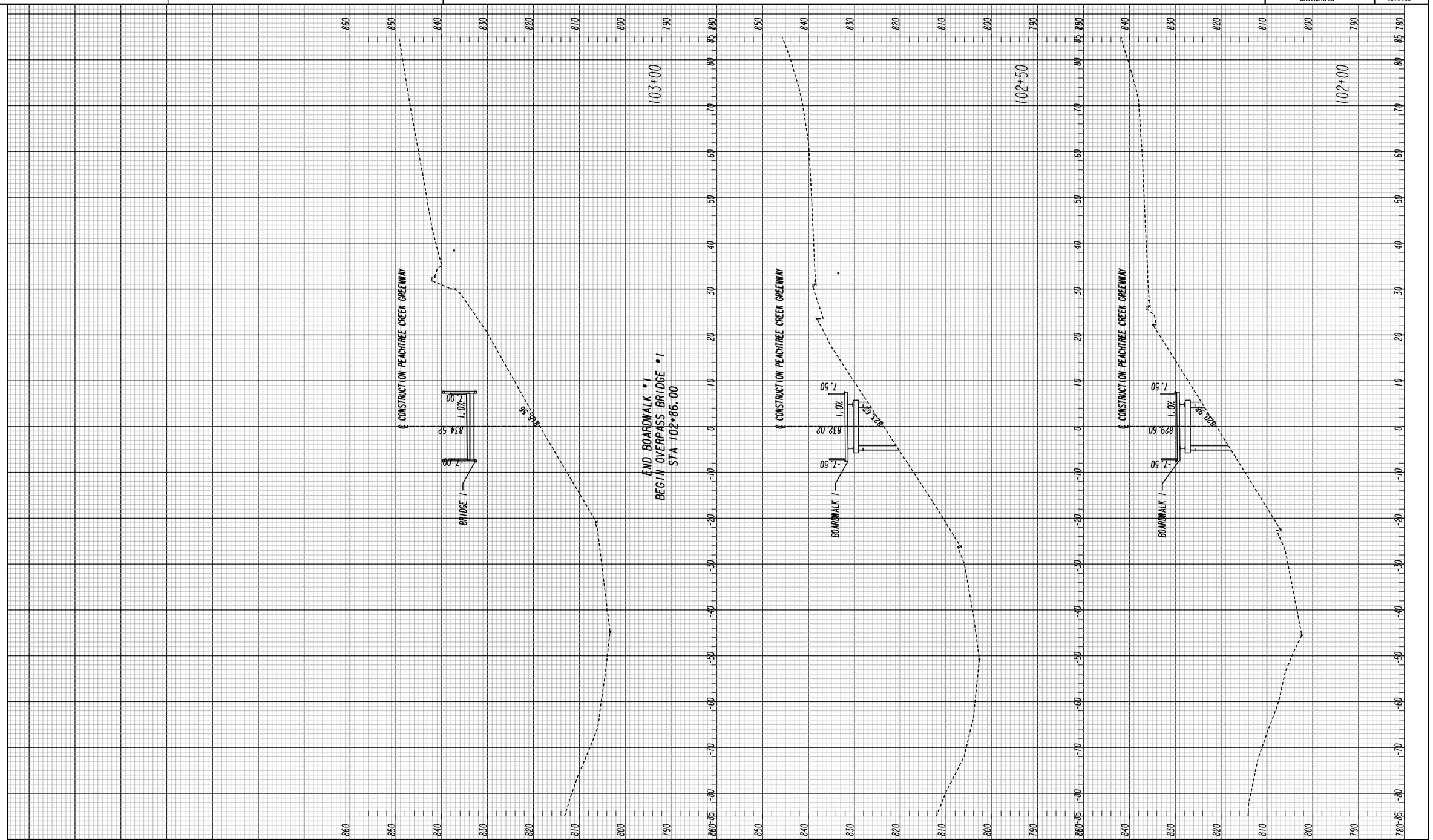
CITY OF BROOKHAVEN

P. I. No. 0016053



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SCALE:
1 INCH = 10 FEET VERT.
1 INCH = 10 FEET HORIZ.

REVISION DATES

CITY OF BROOKHAVEN

CROSS SECTIONS

PEACHTREE CREEK GREENWAY FROM ATL TO NORTH DRUID HILLS RD - PHASE II

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		23-0002
CORRECTED:		DATE:		
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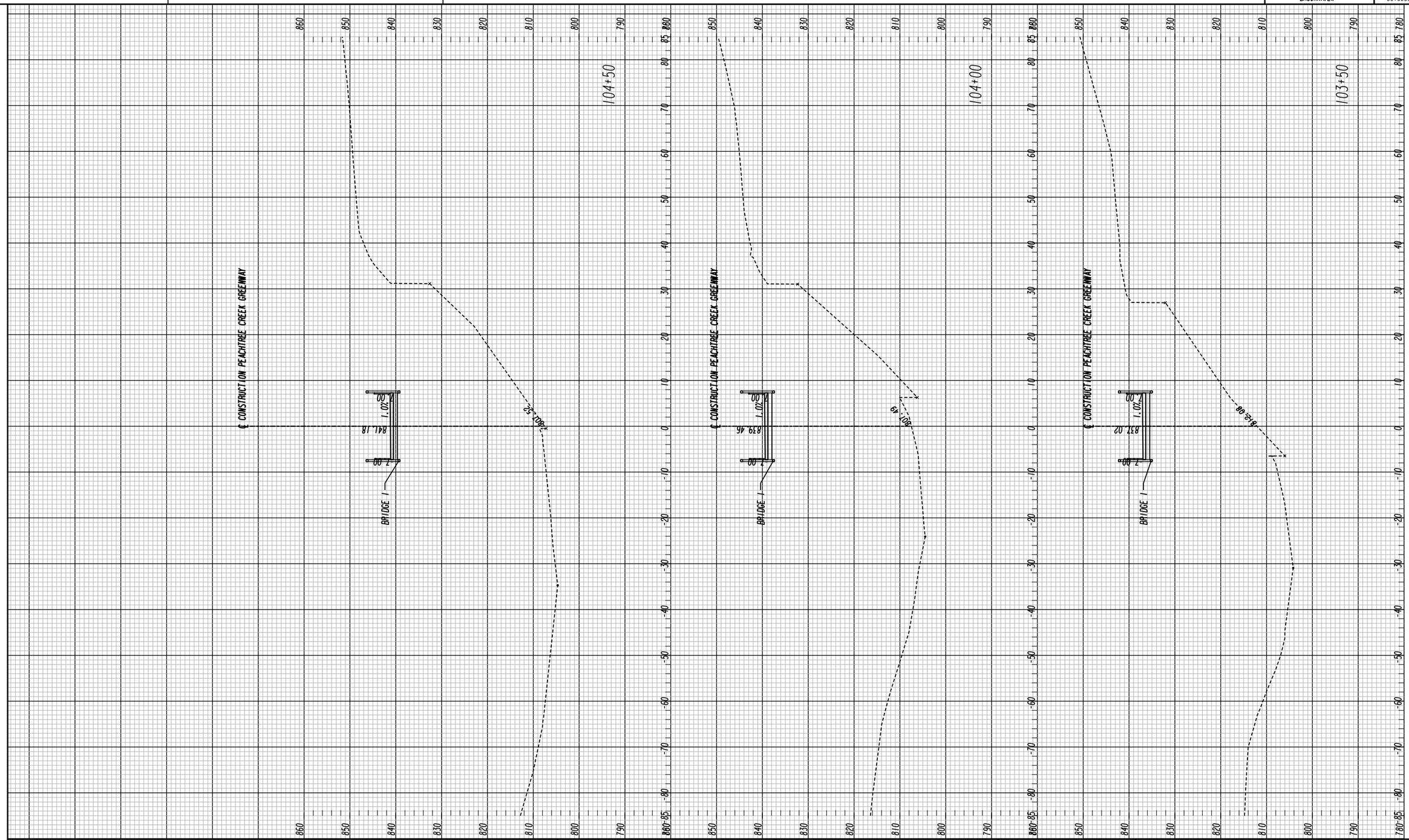

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CROSS SECTIONS

PEACHTREE CREEK GREENWAY FROM ATL TO NORTH DRUID HILLS RD - PHASE II

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BACKCHECKED:		DATE:		23-0003
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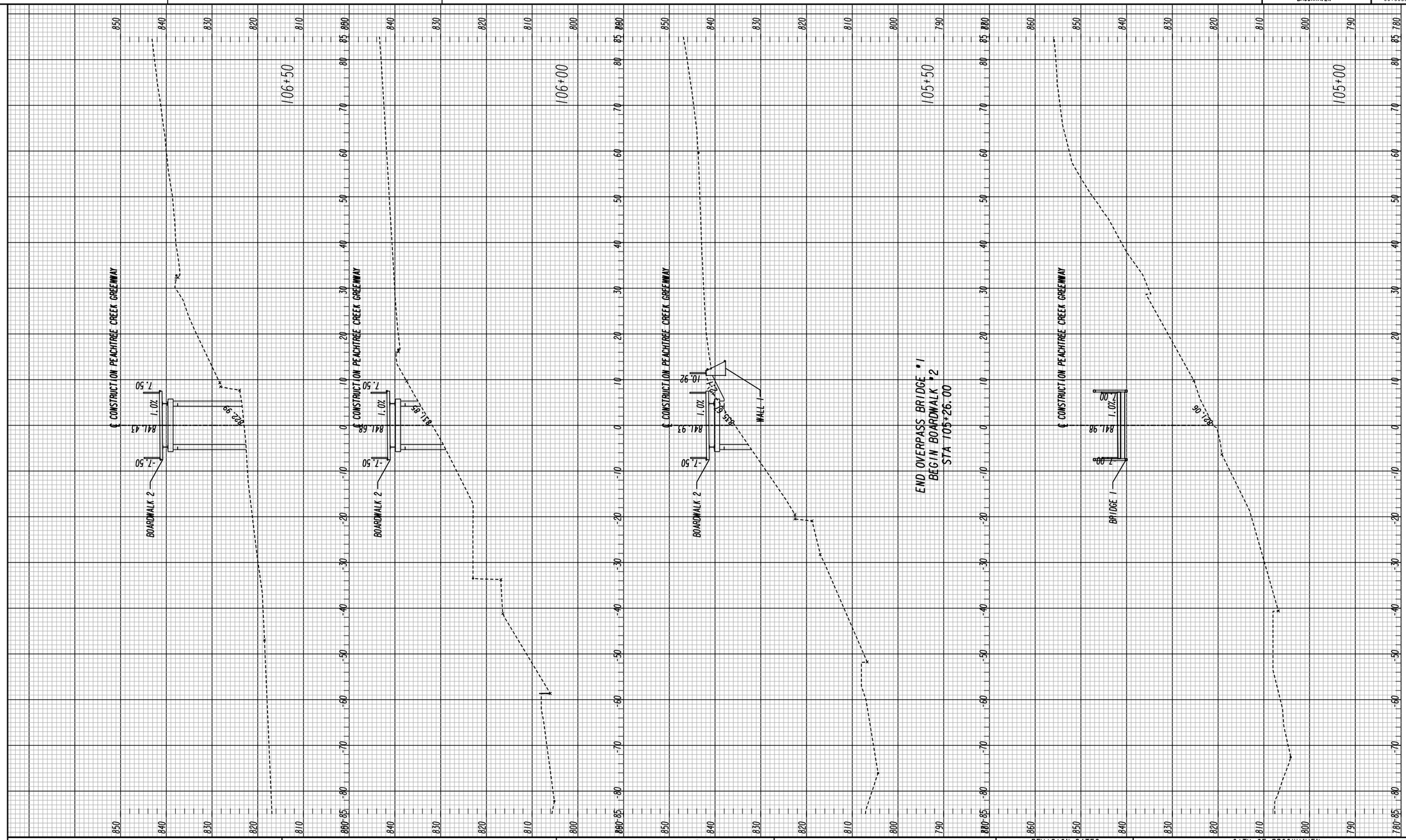

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CROSS SECTIONS
PEACHTREE CREEK GREENWAY FROM ATL TO NORTH DRUID HILLS RD - PHASE II

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CORRECTED:		DATE:		
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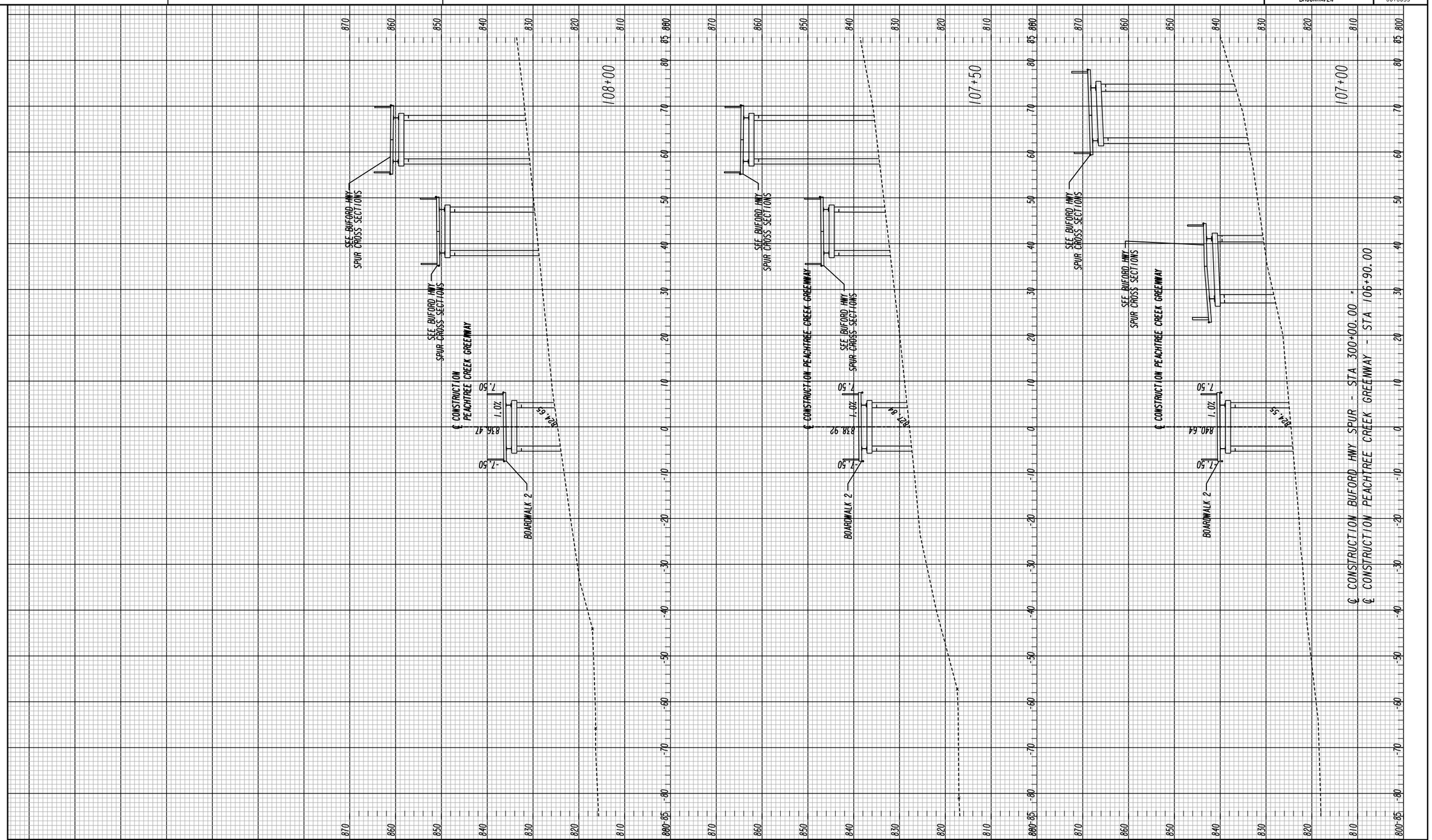

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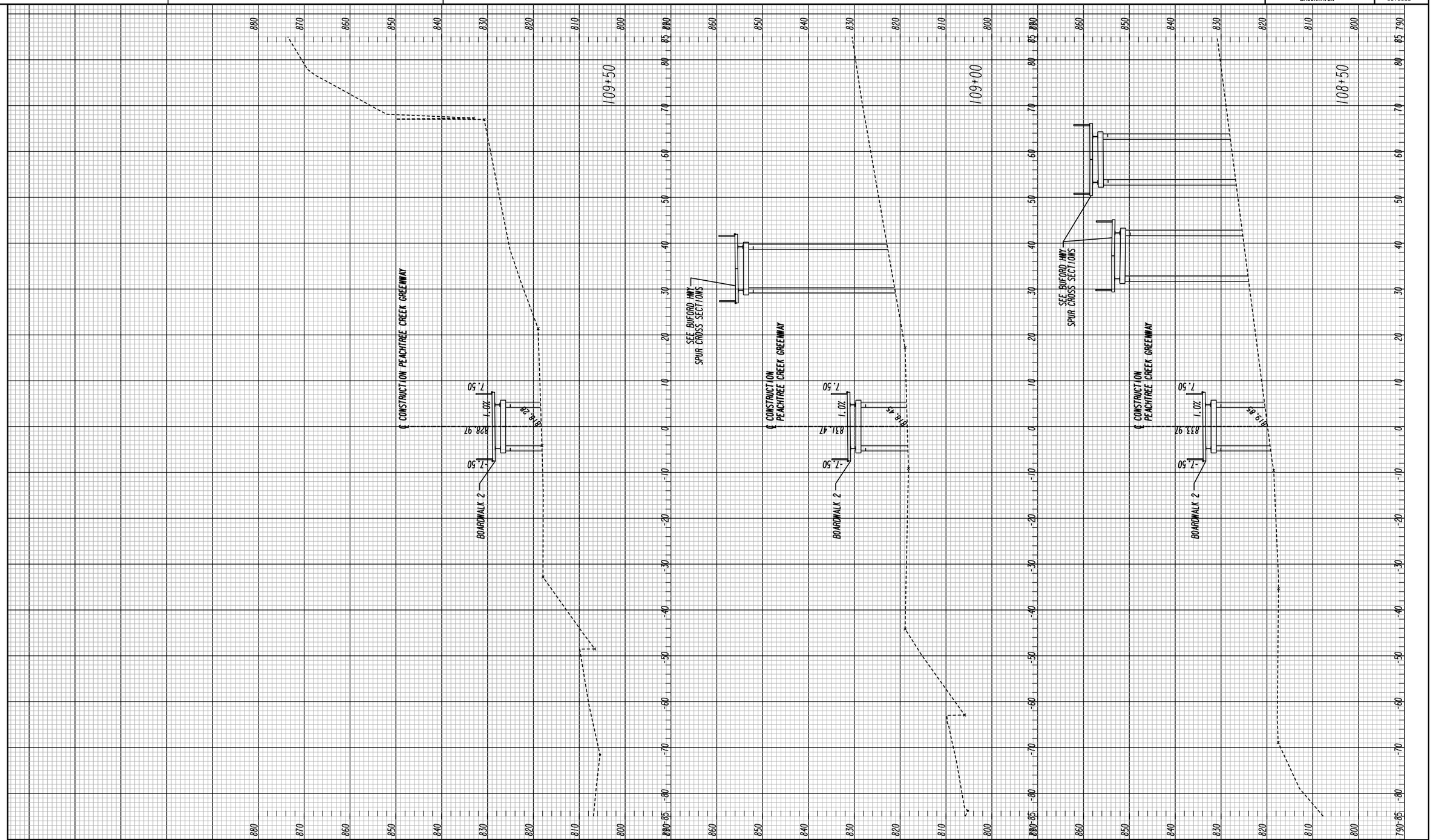

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PEACHTREE CREEK GREENWAY FROM ATL TO NORTH DRUID HILLS RD - PHASE II

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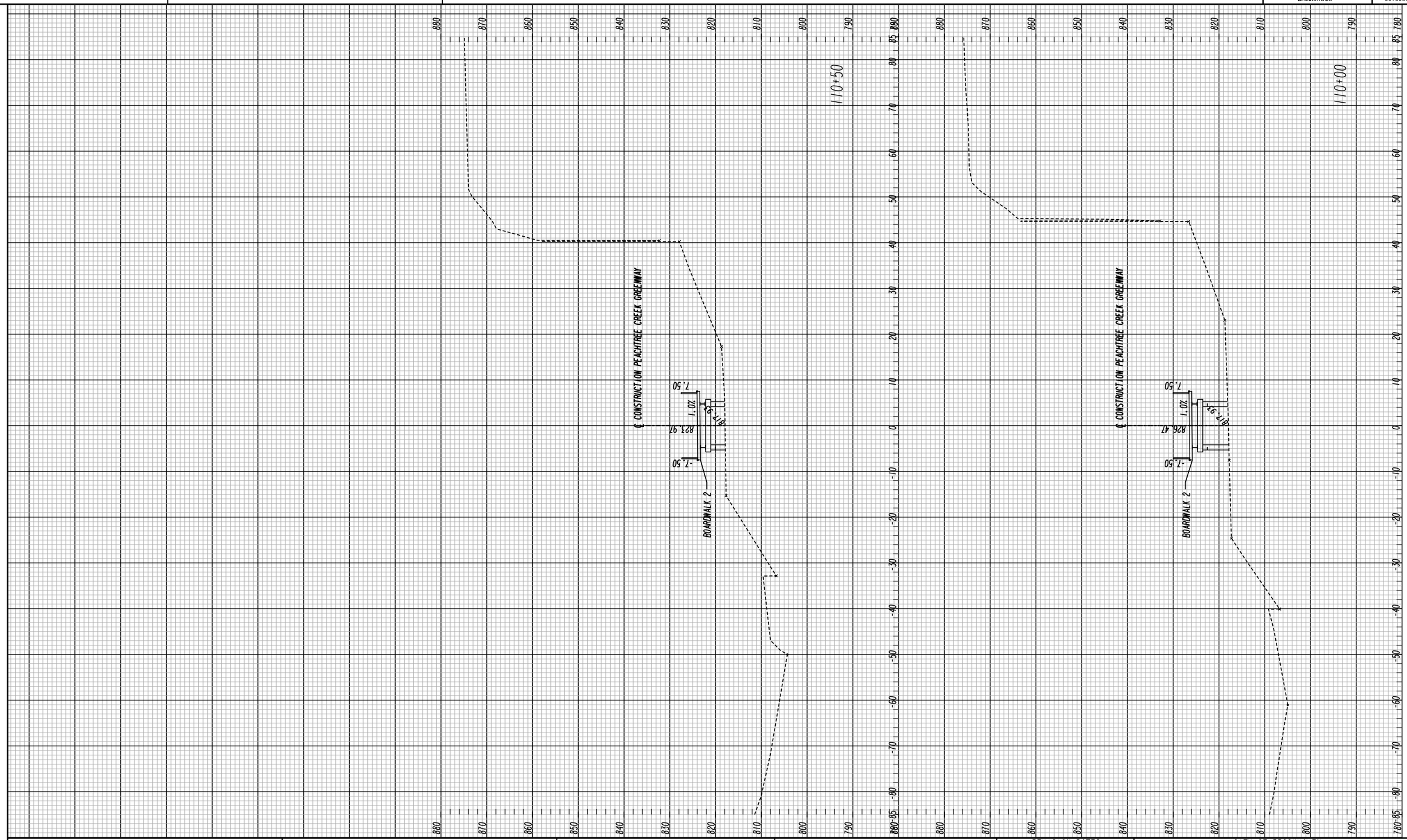

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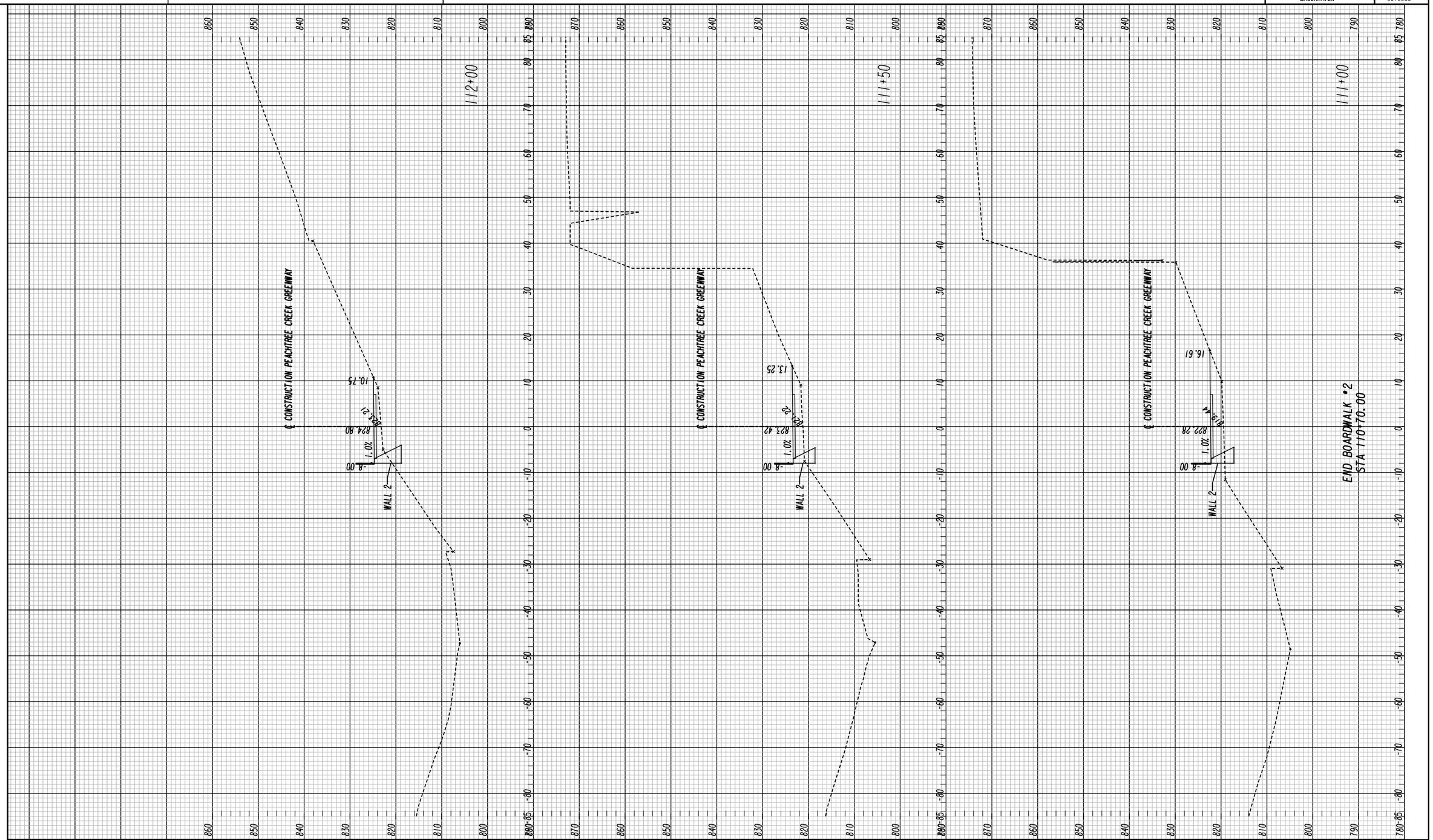

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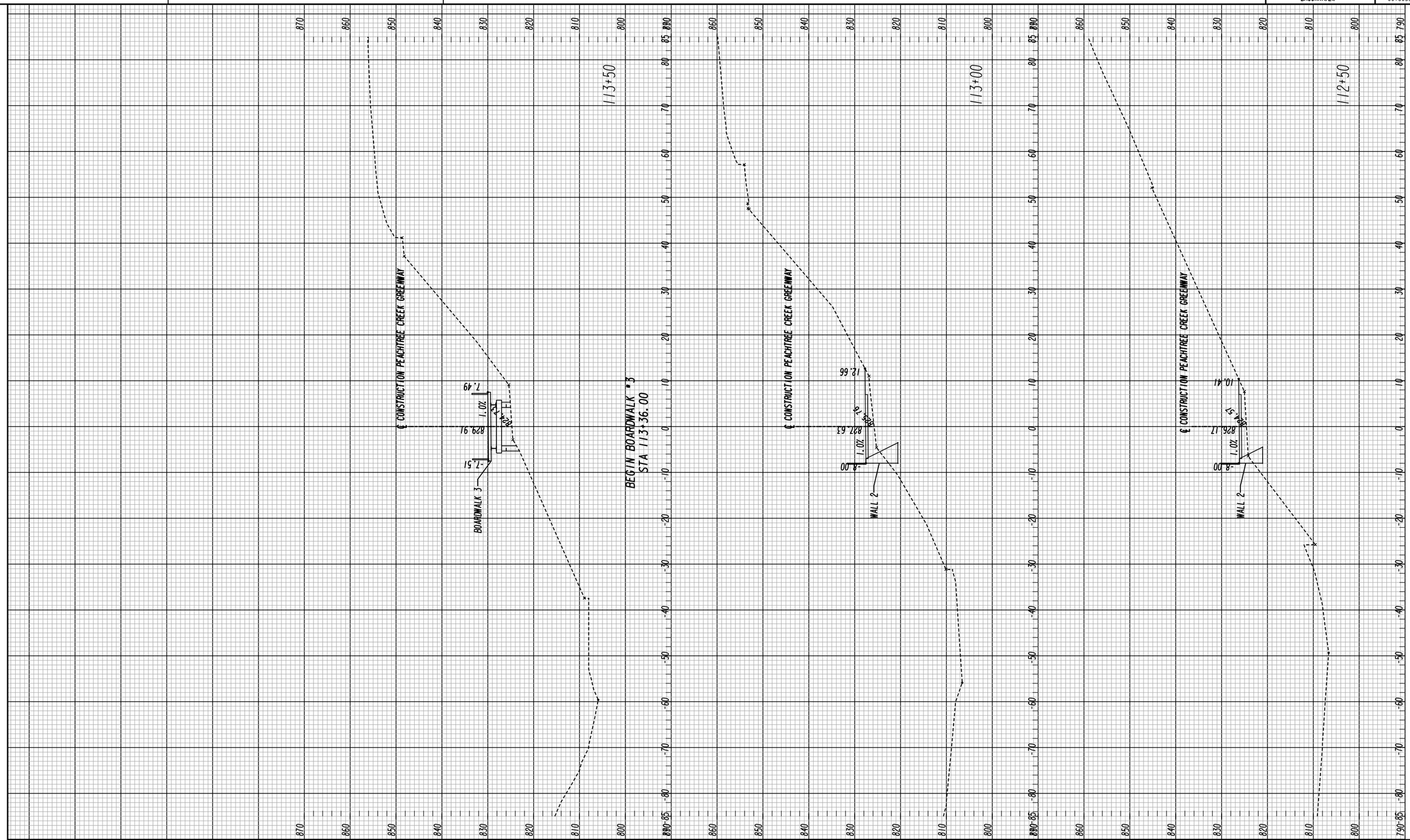

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CROSS SECTIONS

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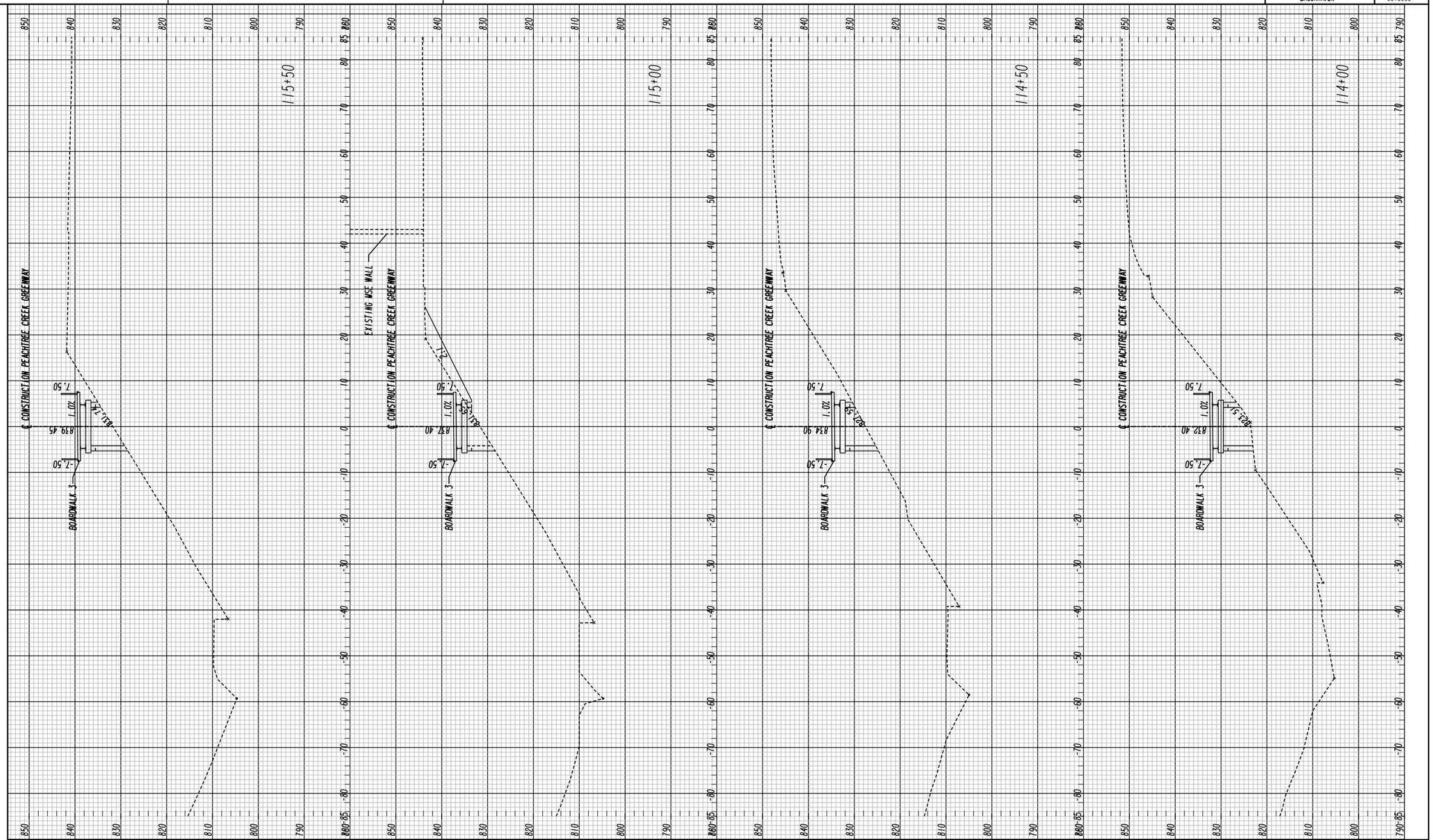

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CROSS SECTIONS

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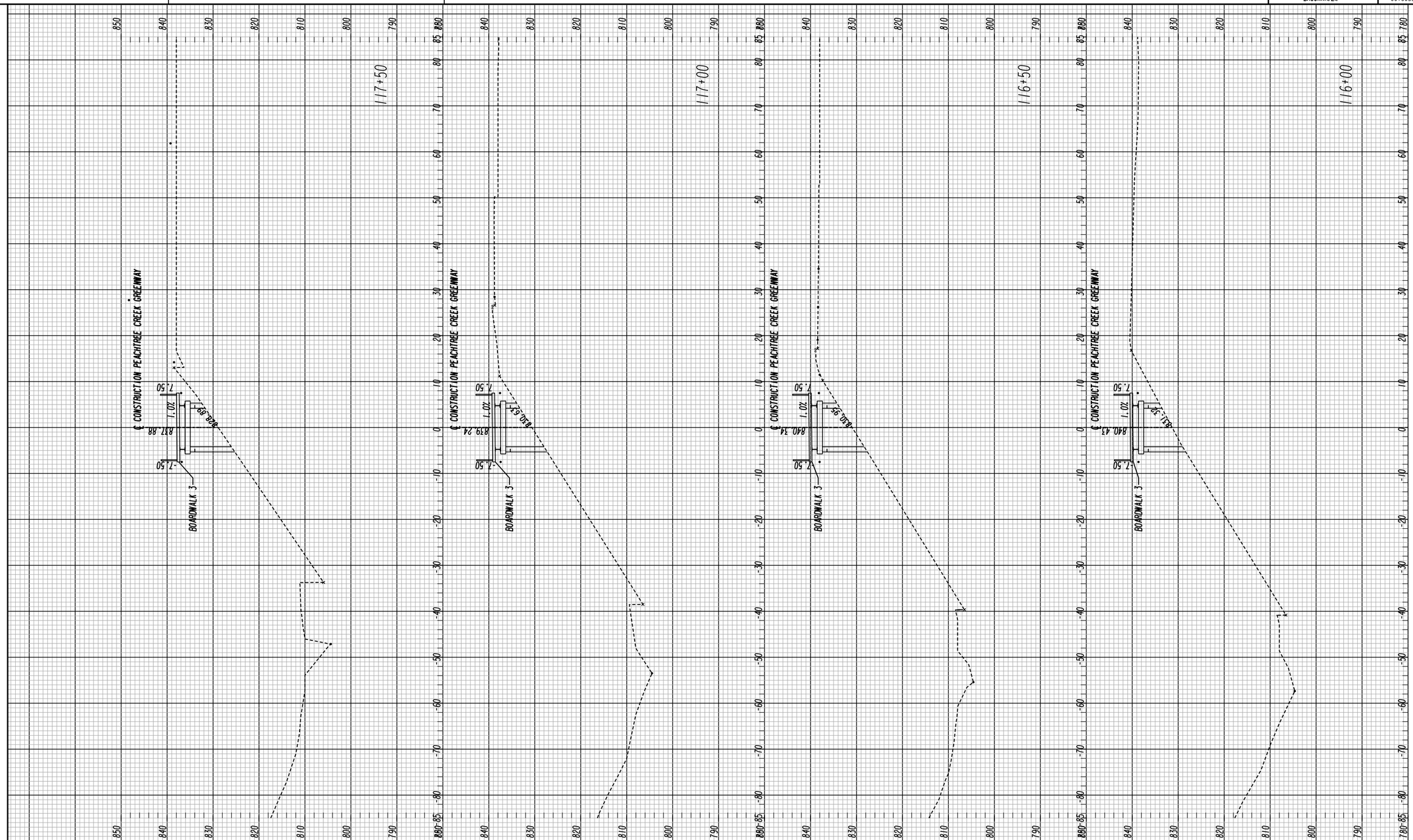

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CROSS SECTIONS

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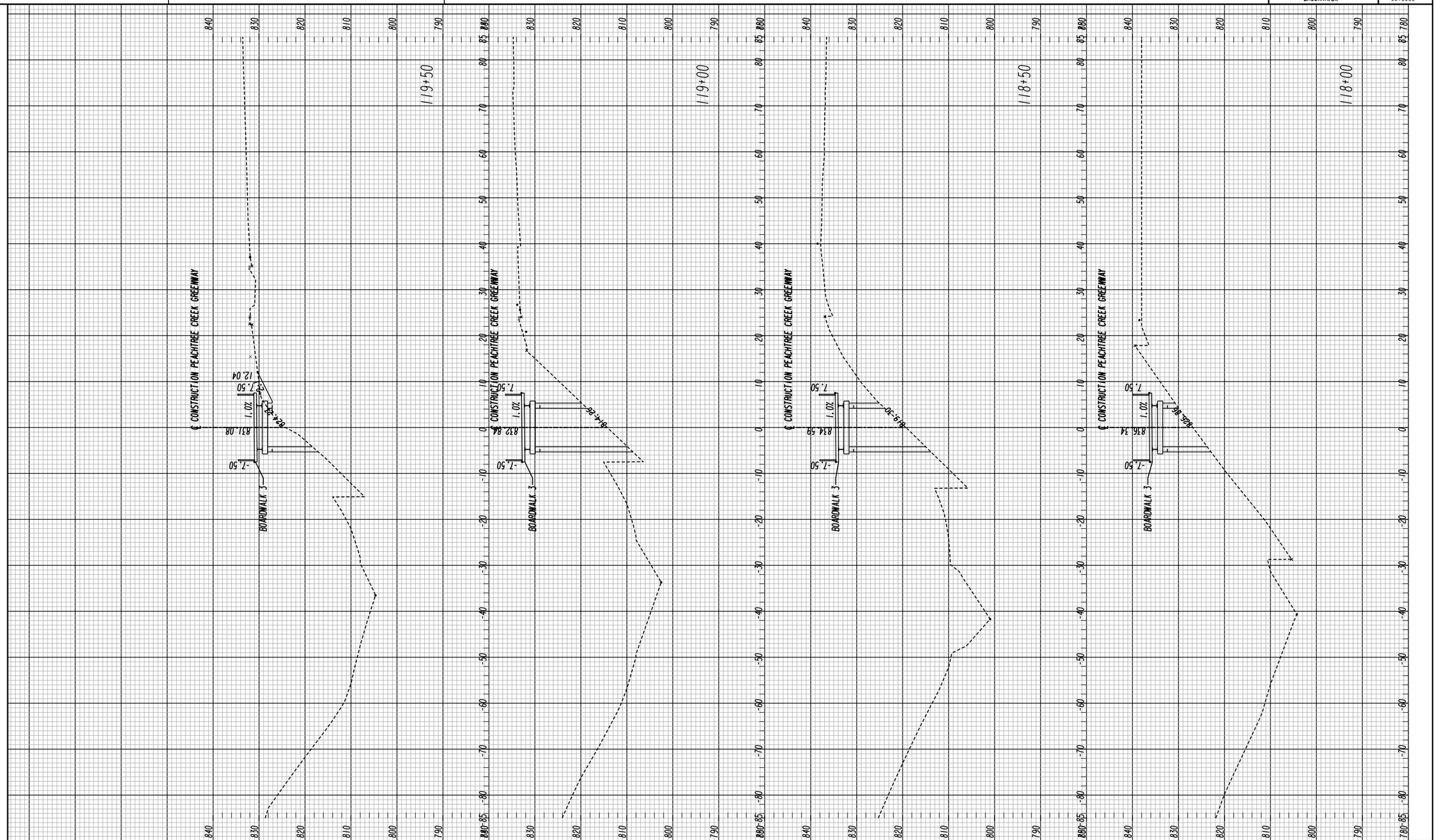

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CROSS SECTIONS

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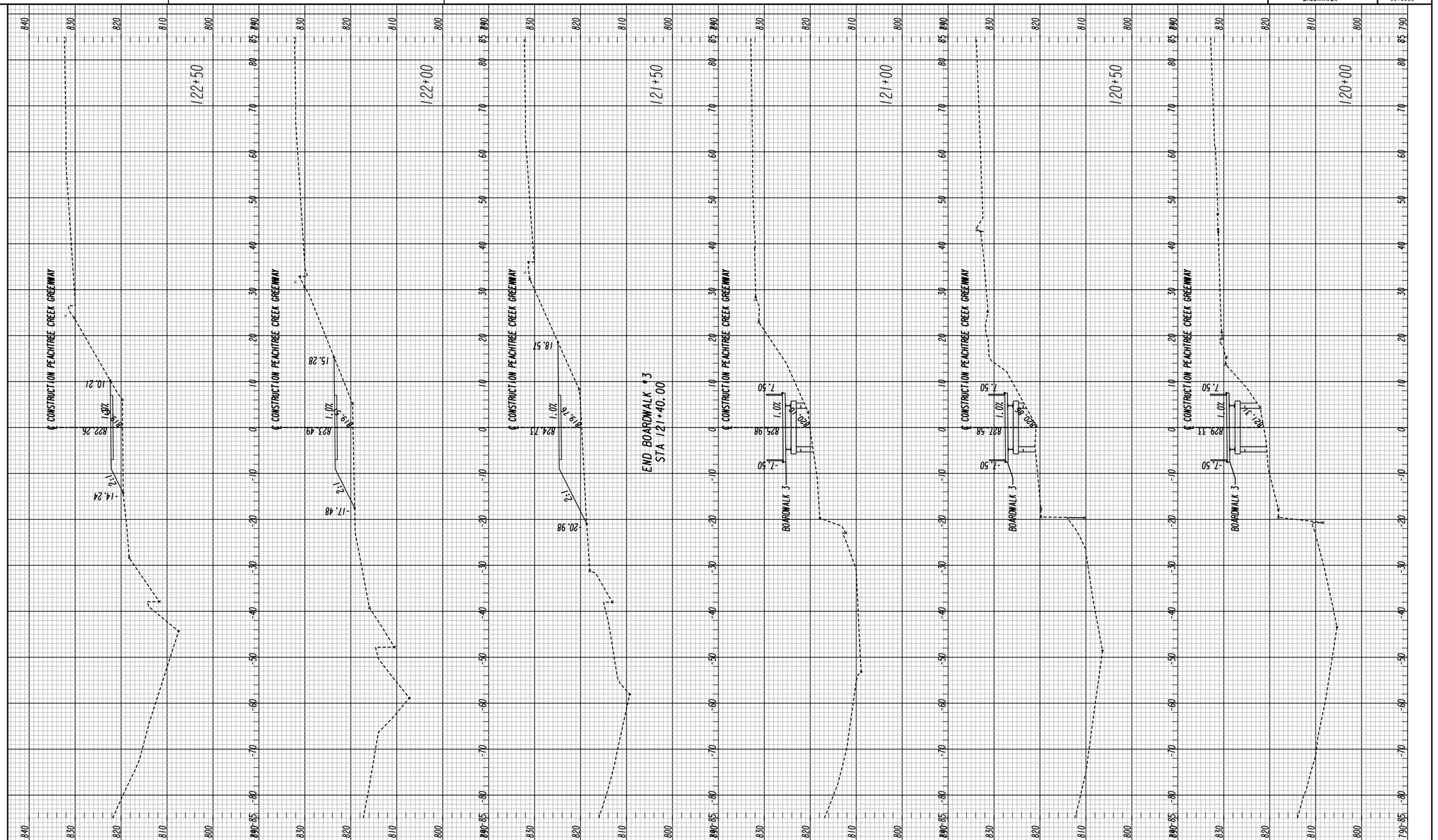

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CROSS SECTIONS

PEACHTREE CREEK GREENWAY FROM ATL TO NORTH DRUID HILLS RD - PHASE II

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		23-0013
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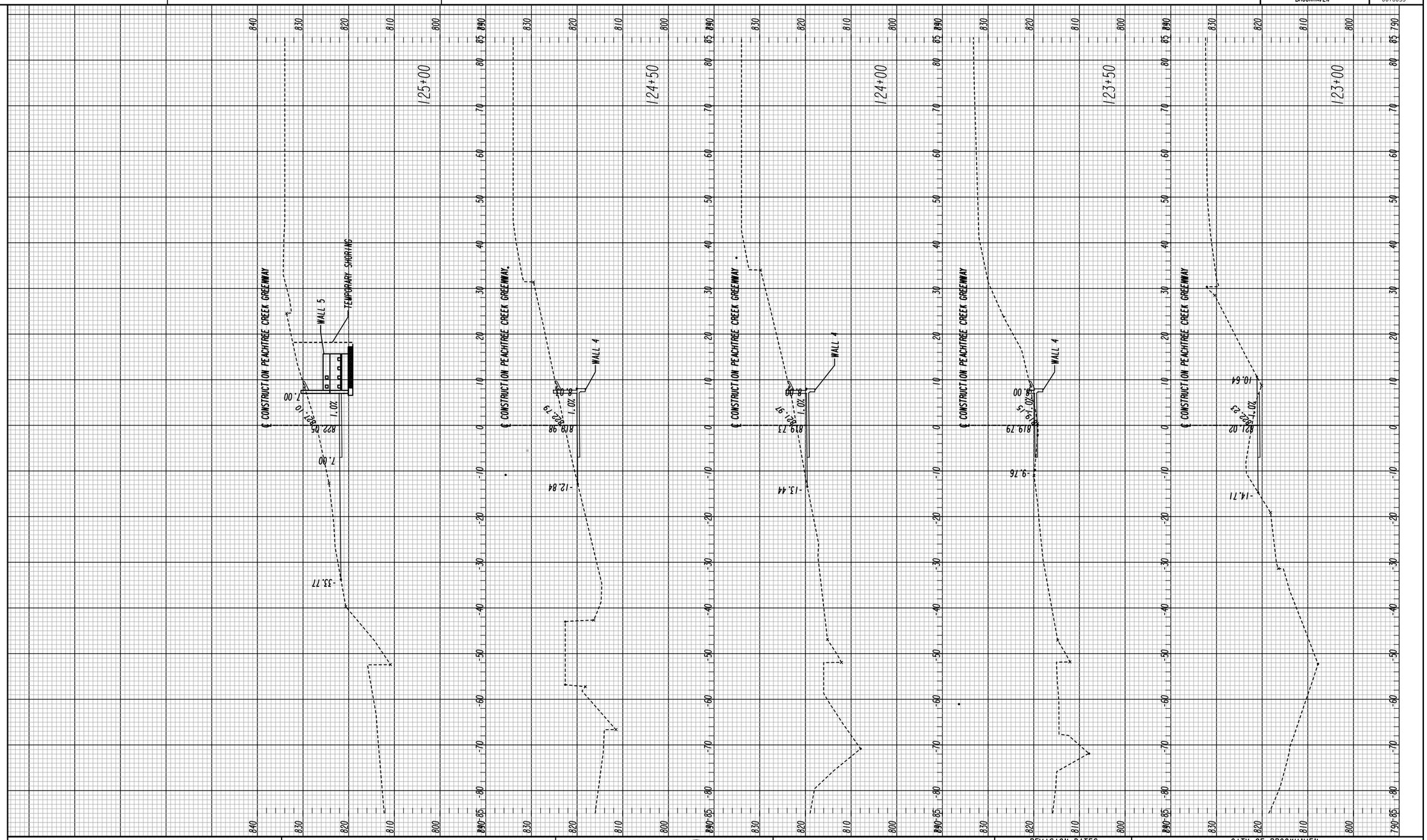

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CITY OF BROOKHAVEN

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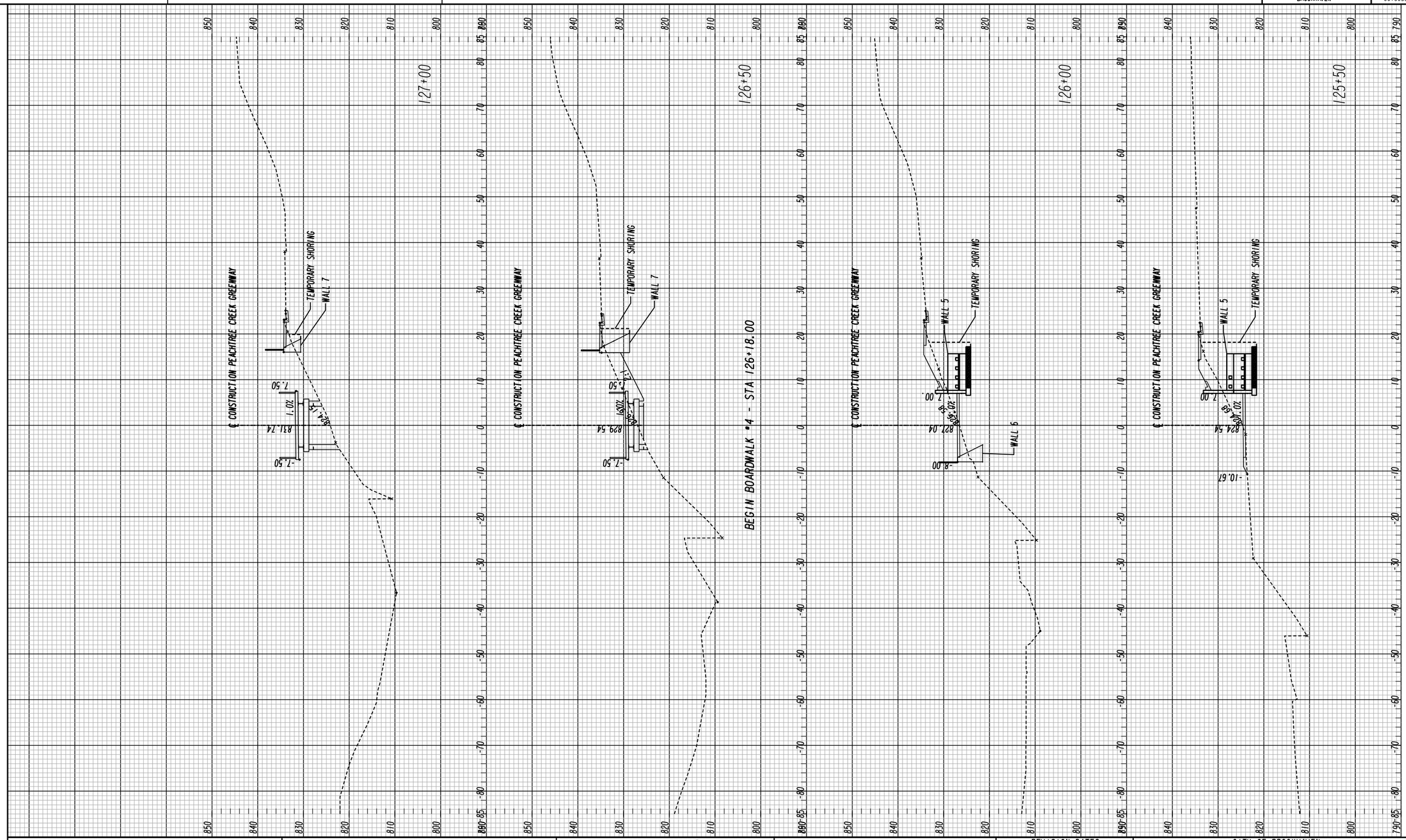

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BACKCHECKED:		DATE:		23-0015
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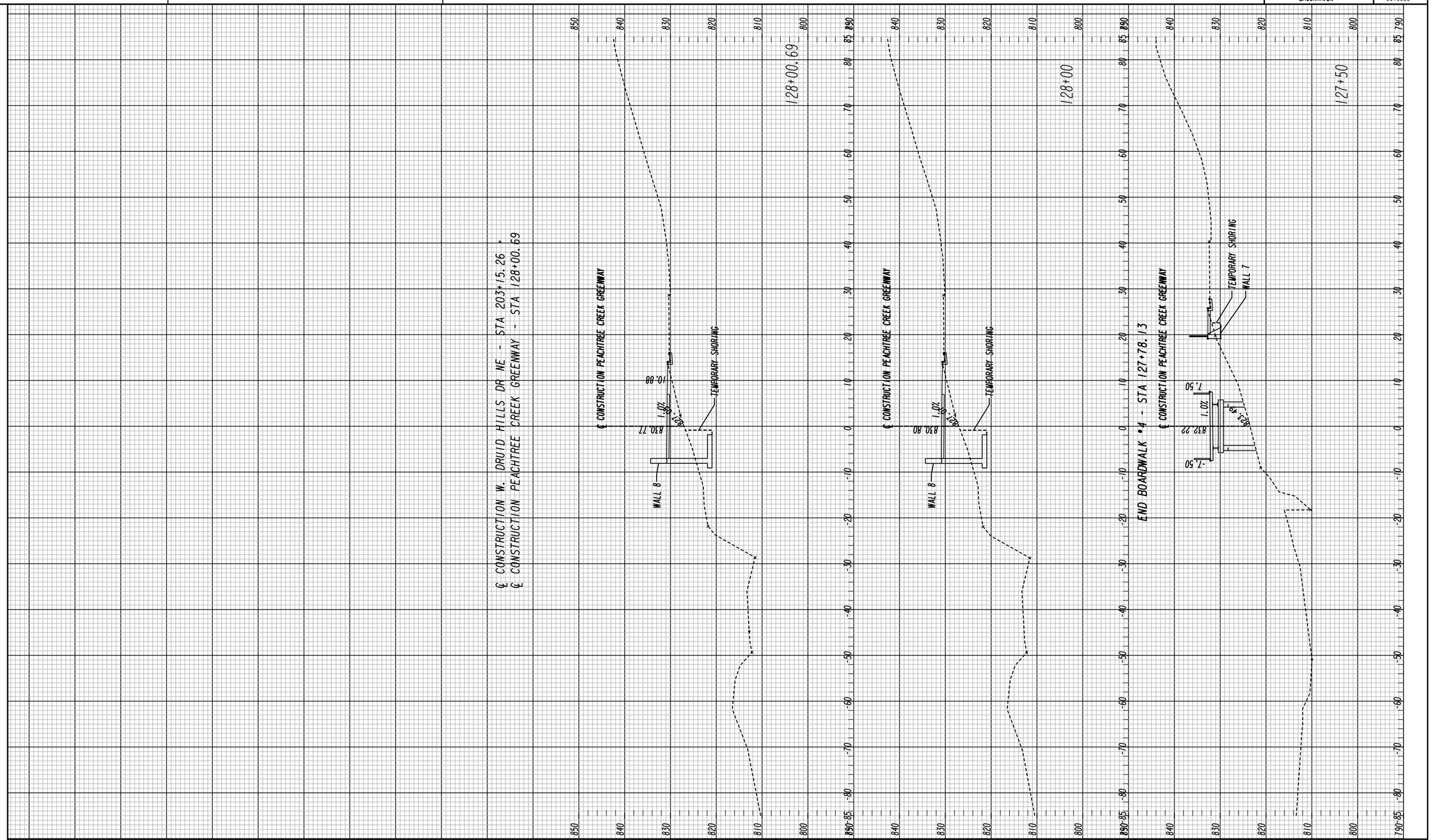

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CITY OF BROOKHAVEN

CROSS SECTIONS

PEACHTREE CREEK GREENWAY FROM ATL TO NORTH DRUID HILLS RD - PHASE II

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		23-0016
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CITY OF BROOKHAVEN

P. I. No. 0016053

202+00

201+50

201+00

200+50

200+00

℄ CONSTRUCTION W DRUID HILLS DR NE

834.76 -14.81 834.78 20:1 -20.19 TEMPORARY SHORING WALL 7 SEE PEACHTREE CREEK GREENWAY CROSS SECTIONS

835.02 834.82 -14.59 20:1 -19.59 TEMPORARY SHORING WALL 7 SEE PEACHTREE CREEK GREENWAY CROSS SECTIONS

834.65 833.00 -17.37 20:1 -22.74 TEMPORARY SHORING WALL 5 WALL 6 SEE PEACHTREE CREEK GREENWAY CROSS SECTIONS

834.14 834.65 -29.30 20:1 -34.30 TEMPORARY SHORING WALL 5 SEE PEACHTREE CREEK GREENWAY CROSS SECTIONS 2:1

834.00

LIMIT OF CONSTRUCTION
W DRUID HILLS DR NE
STA 200+22.37

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REVISION DATES

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CROSS SECTIONS

PEACHTREE CREEK GREENWAY FROM ATL TO NORTH DRUID HILLS RD - PHASE II

CHECKED:		DATE:		DRAWING No.
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205+00

204+50

204+00

203+50

203+00

202+50

℄ CONSTRUCTION W. DRUID HILLS DR NE - STA 203+15.26 - ℄ CONSTRUCTION PEACHTREE CREEK GREENWAY - STA 128+00.69

℄ CONSTRUCTION W DRUID HILLS DR NE

℄ CONSTRUCTION WEST DRUID HILLS DR NE

TEMPORARY SHORING

WALL 8A

WALL 8B

WALL 7

SEE PEACHTREE CREEK GREENWAY CROSS SECTIONS

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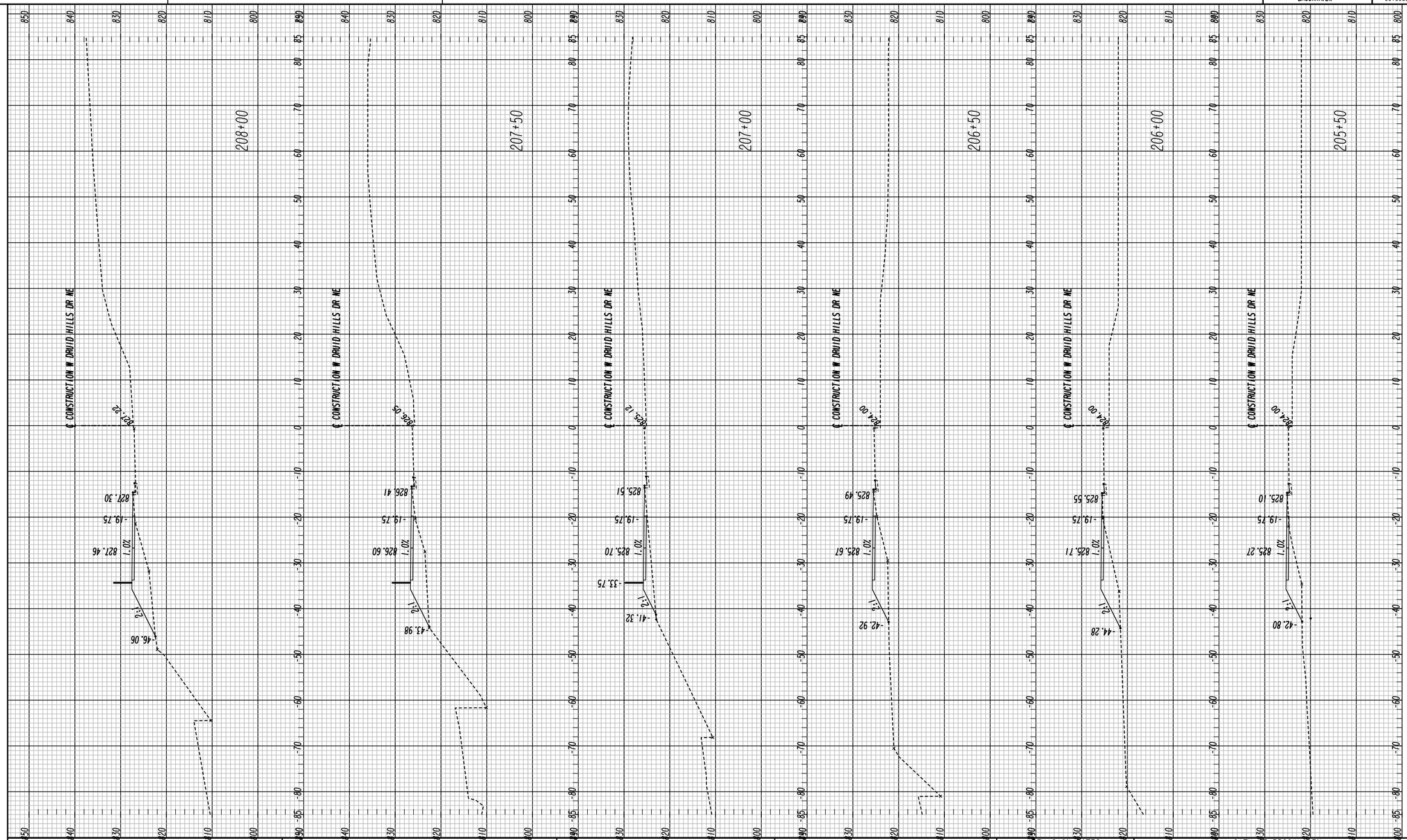

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CROSS SECTIONS

PEACHTREE CREEK GREENWAY FROM ATL TO NORTH DRUID HILLS RD - PHASE II

CHECKED:		DATE:		DRAWING No.
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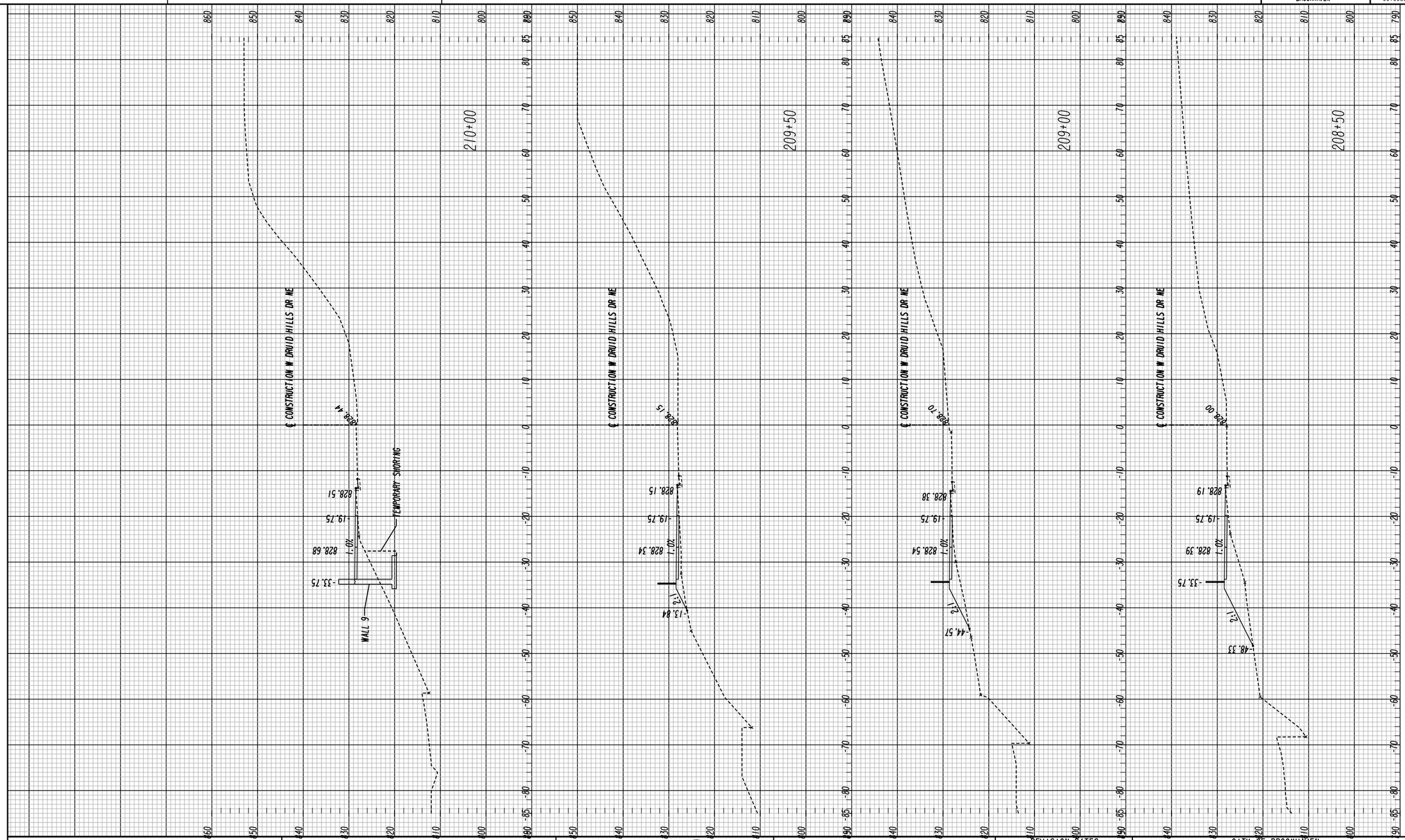

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BACKCHECKED:		DATE:		23-0020
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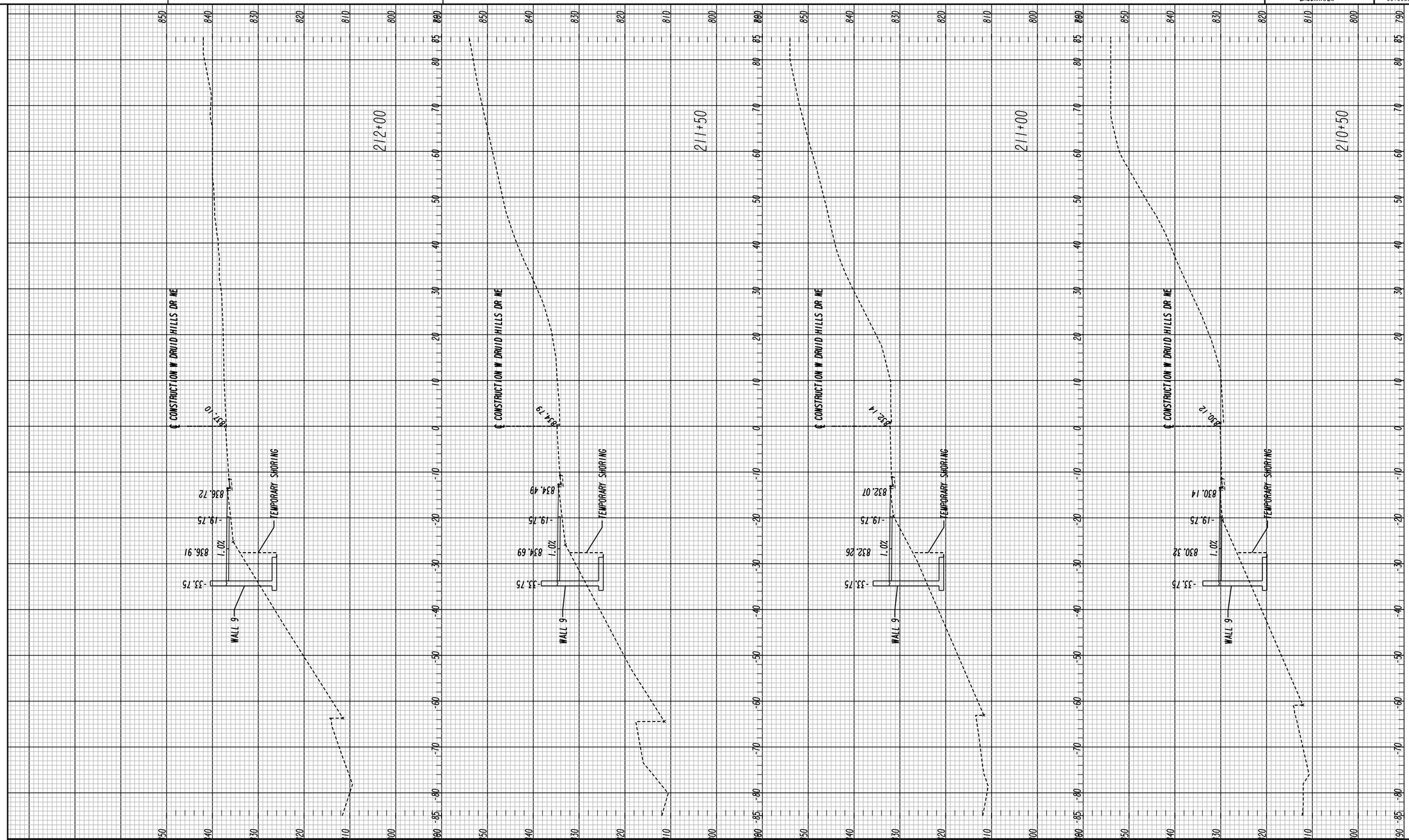

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P. I. No. 0016053

LIMIT OF CONSTRUCTION
W DRUID HILLS DR NE
STA 213+58.87

℄ CONSTRUCTION W. DRUID HILLS DR NE - STA 213+58.57 "
℄ CONSTRUCTION PEACHTREE CREEK GREENWAY - STA 400+00.00

213+58.57

℄ CONSTRUCTION W DRUID HILLS DR NE

838.09

TEMPORARY SHORING

19.75

837.80

837.95

33.75

WALL 9

213+50

℄ CONSTRUCTION W DRUID HILLS DR NE

838.21

TEMPORARY SHORING

19.75

837.89

838.04

20.1

33.75

WALL 9

213+00

℄ CONSTRUCTION W DRUID HILLS DR NE

838.86

TEMPORARY SHORING

19.75

838.37

838.51

20.1

33.75

WALL 9

212+50

℄ CONSTRUCTION W DRUID HILLS DR NE

838.10

TEMPORARY SHORING

19.75

838.14

838.29

20.1

33.75

WALL 9

Brookhaven GEORGIA

Heath & Lineback Engineers
INCORPORATED
2390 CANTON ROAD • BUILDING 200
MARIETTA, GEORGIA 30066-5393
(770) 424-1668

SCALE:
1 INCH = 10 FEET VERT.
1 INCH = 10 FEET HORIZ.

REVISION DATES

CITY OF BROOKHAVEN

CROSS SECTIONS

PEACHTREE CREEK GREENWAY FROM ATL TO NORTH DRUID HILLS RD - PHASE II

CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	23-0022
CORRECTED:		DATE:	
VERIFIED:		DATE:	

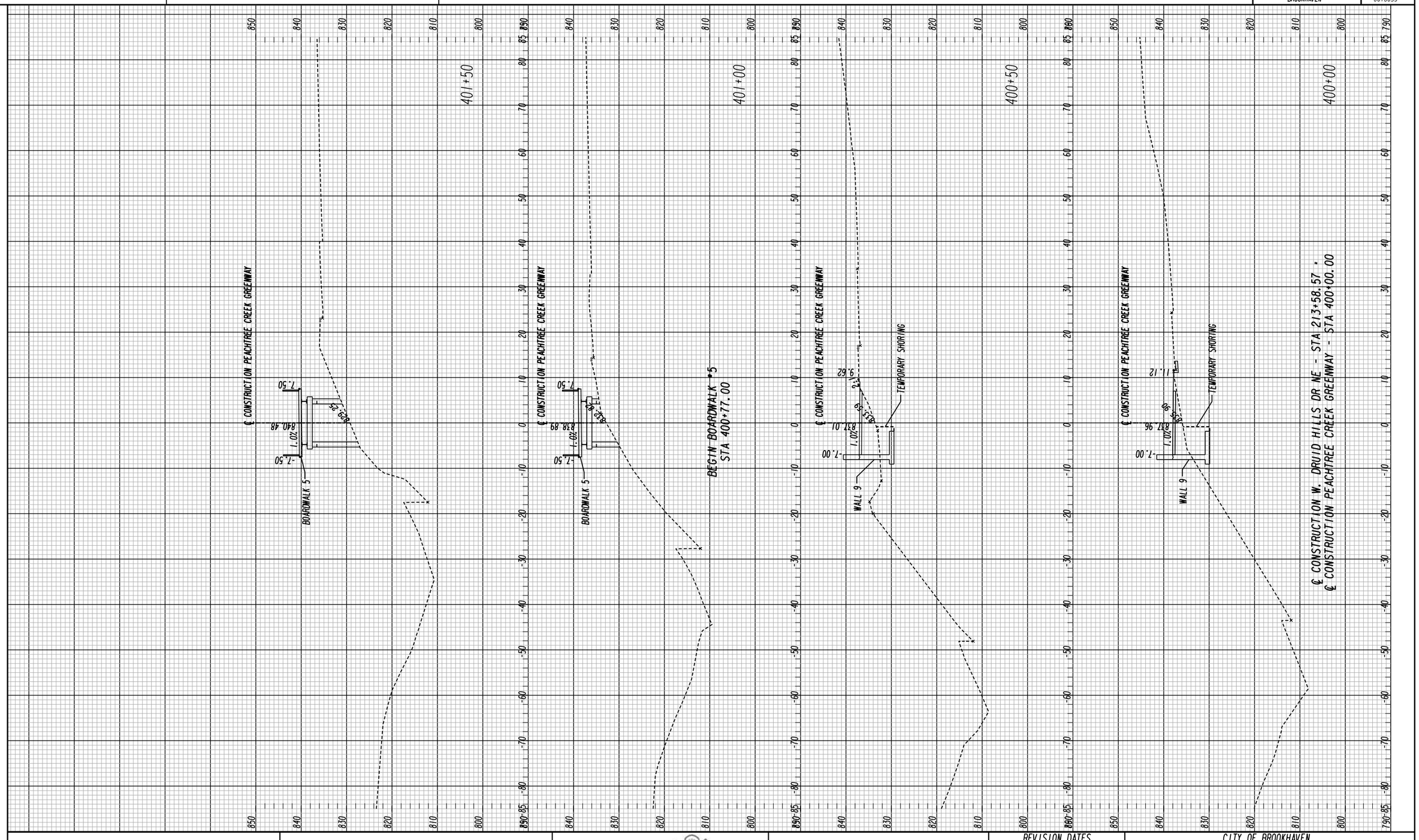
7/31/2015 SUXEN

4/28/2022 7:33:55 PM $PRF8$ \\HLEVFS\proj\2019034\0016053\03_DGN\0016053_23-0400.dgn

USER:pjames

CITY OF BROOKHAVEN

P. I. No. 0016053



Brookhaven GEORGIA

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MARIETTA, GEORGIA 30066-5393
(770) 424-1668

SCALE:
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1 INCH = 10 FEET HORIZ.

REVISION DATES

CITY OF BROOKHAVEN

CROSS SECTIONS

PEACHTREE CREEK GREENWAY FROM ATL TO NORTH DRUID HILLS RD - PHASE II

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		23-0023
CORRECTED:		DATE:		
VERIFIED:		DATE:		

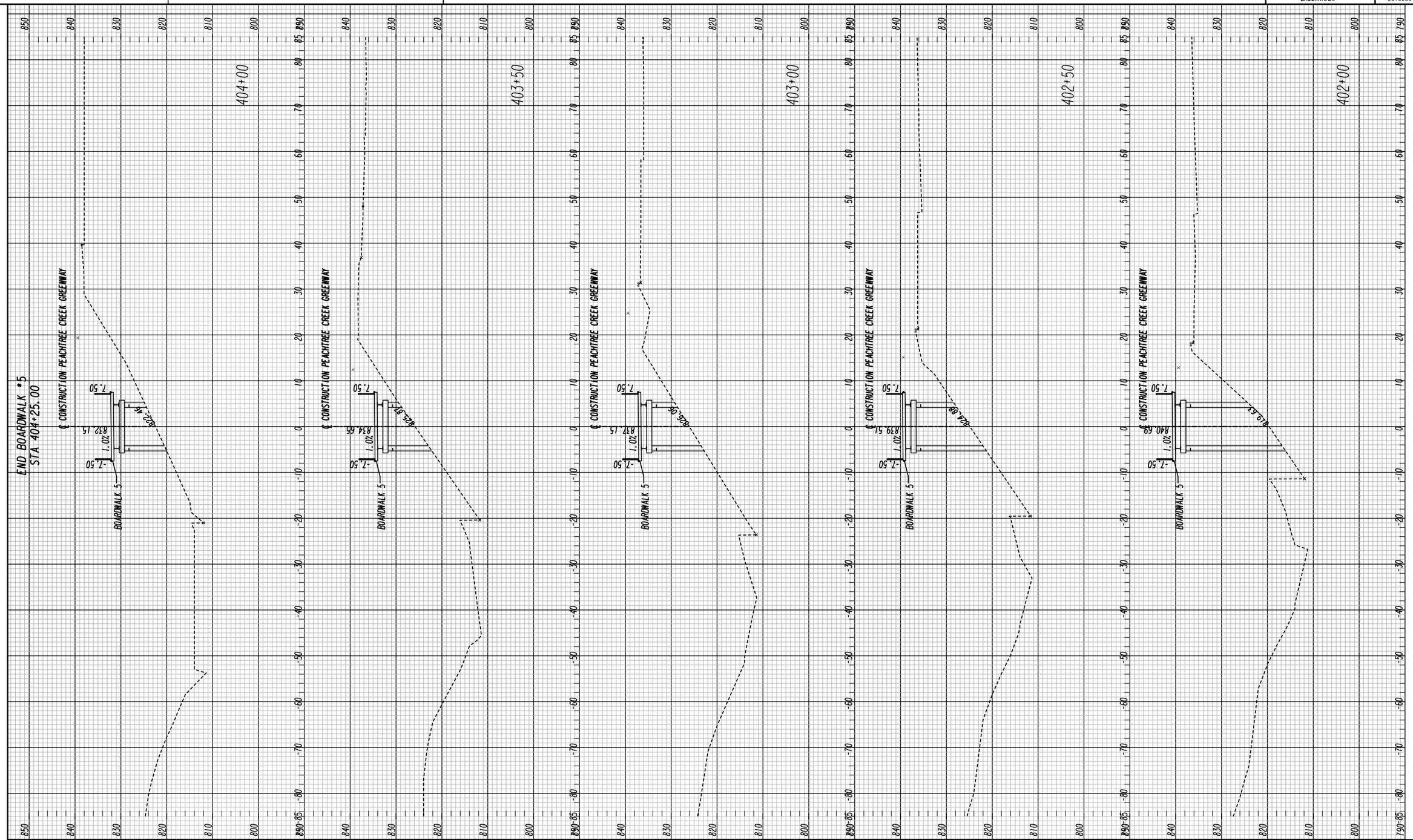
7/31/2015 SUXEN

4/28/2022 7:33:58 PM $PRF8$ \\HLEVFS\proj\2019034\0016053\03_DGN\0016053_23-0400.dgn

USER:pjames

CITY OF BROOKHAVEN

P. I. No. 0016053



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(770) 424-1668

SCALE:
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1 INCH = 10 FEET HORIZ.

REVISION DATES

CITY OF BROOKHAVEN

CROSS SECTIONS

PEACHTREE CREEK GREENWAY FROM ATL TO NORTH DRUID HILLS RD - PHASE II

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		23-0024
CORRECTED:		DATE:		
VERIFIED:		DATE:		

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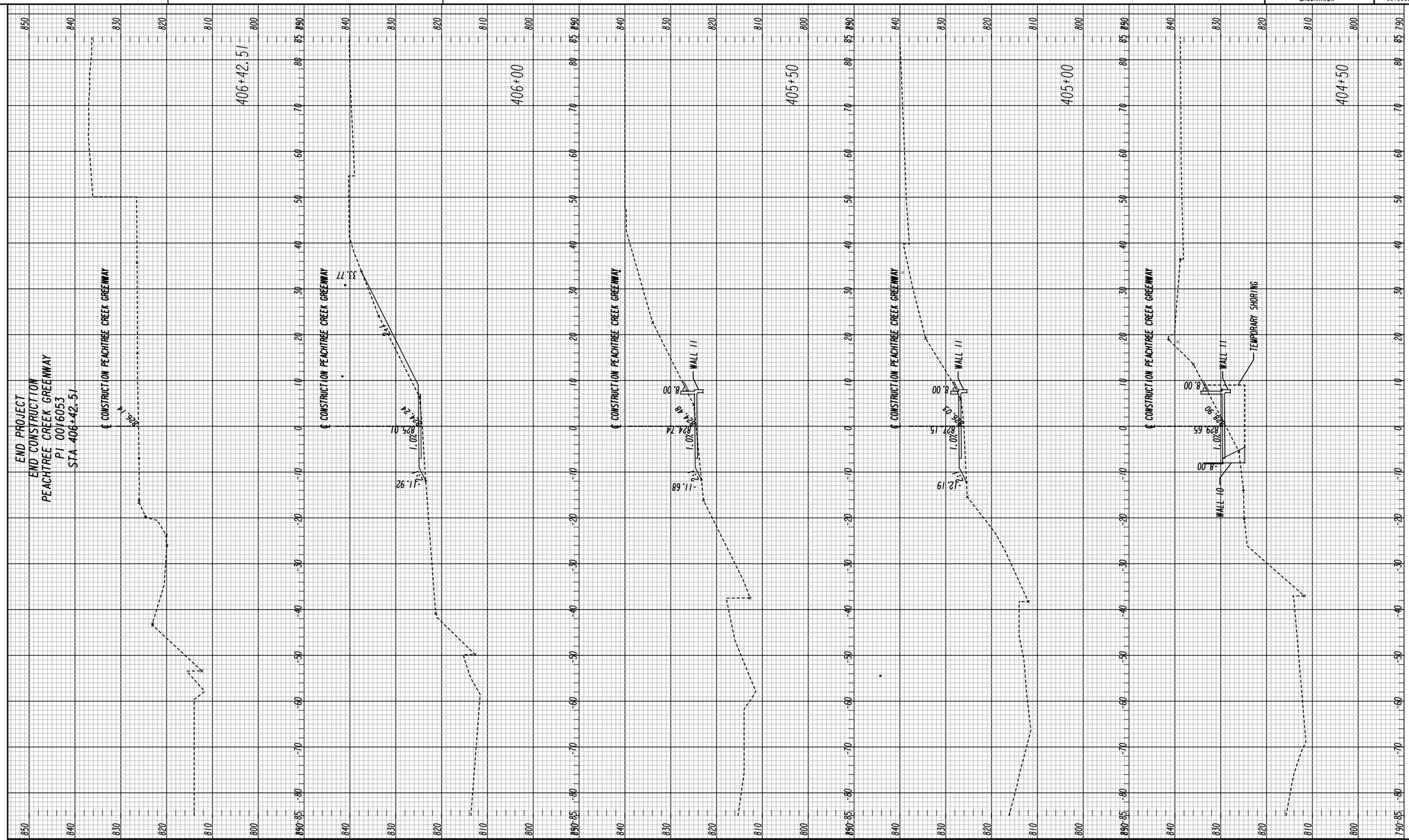
USER:pjames

CITY OF BROOKHAVEN

P. I. No. 0016053



Brookhaven GEORGIA

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2390 CANTON ROAD • BUILDING 200
MARIETTA, GEORGIA 30066-5393
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SCALE:
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1 INCH = 10 FEET HORIZ.

REVISION DATES

CITY OF BROOKHAVEN

CROSS SECTIONS

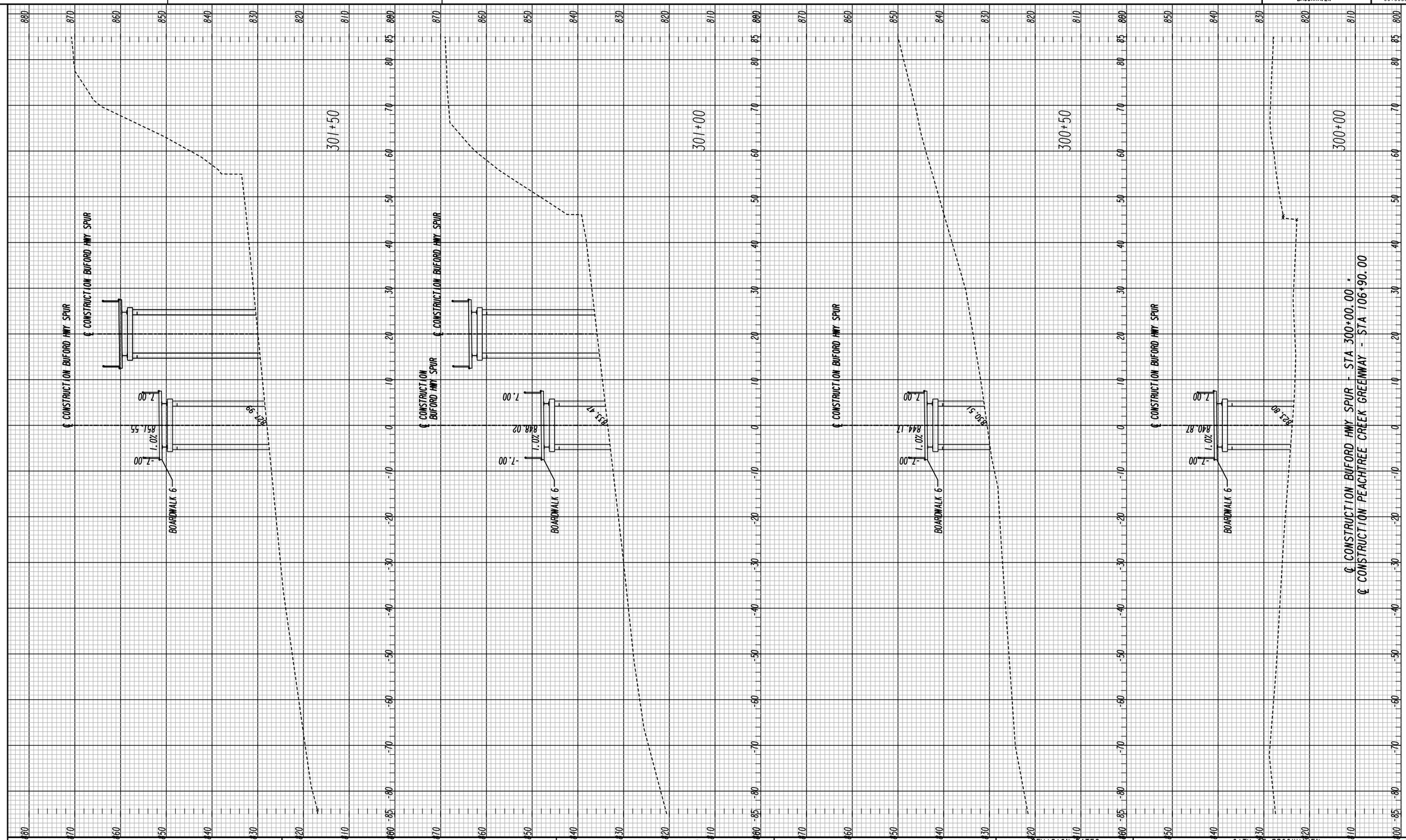
PEACHTREE CREEK GREENWAY FROM ATL TO NORTH DRUID HILLS RD - PHASE 11

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		23-0025
CORRECTED:		DATE:		
VERIFIED:		DATE:		

7/31/2015 SUXEN

CITY OF BROOKHAVEN

P. I. No. 0016053



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(770) 424-1668

SCALE:
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1 INCH = 10 FEET HORIZ.

REVISION DATES

CITY OF BROOKHAVEN

CROSS SECTIONS

PEACHTREE CREEK GREENWAY FROM ATL TO NORTH DRUID HILLS RD - PHASE II

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		23-0026
CORRECTED:		DATE:		
VERIFIED:		DATE:		

7/31/2015 SUKEN

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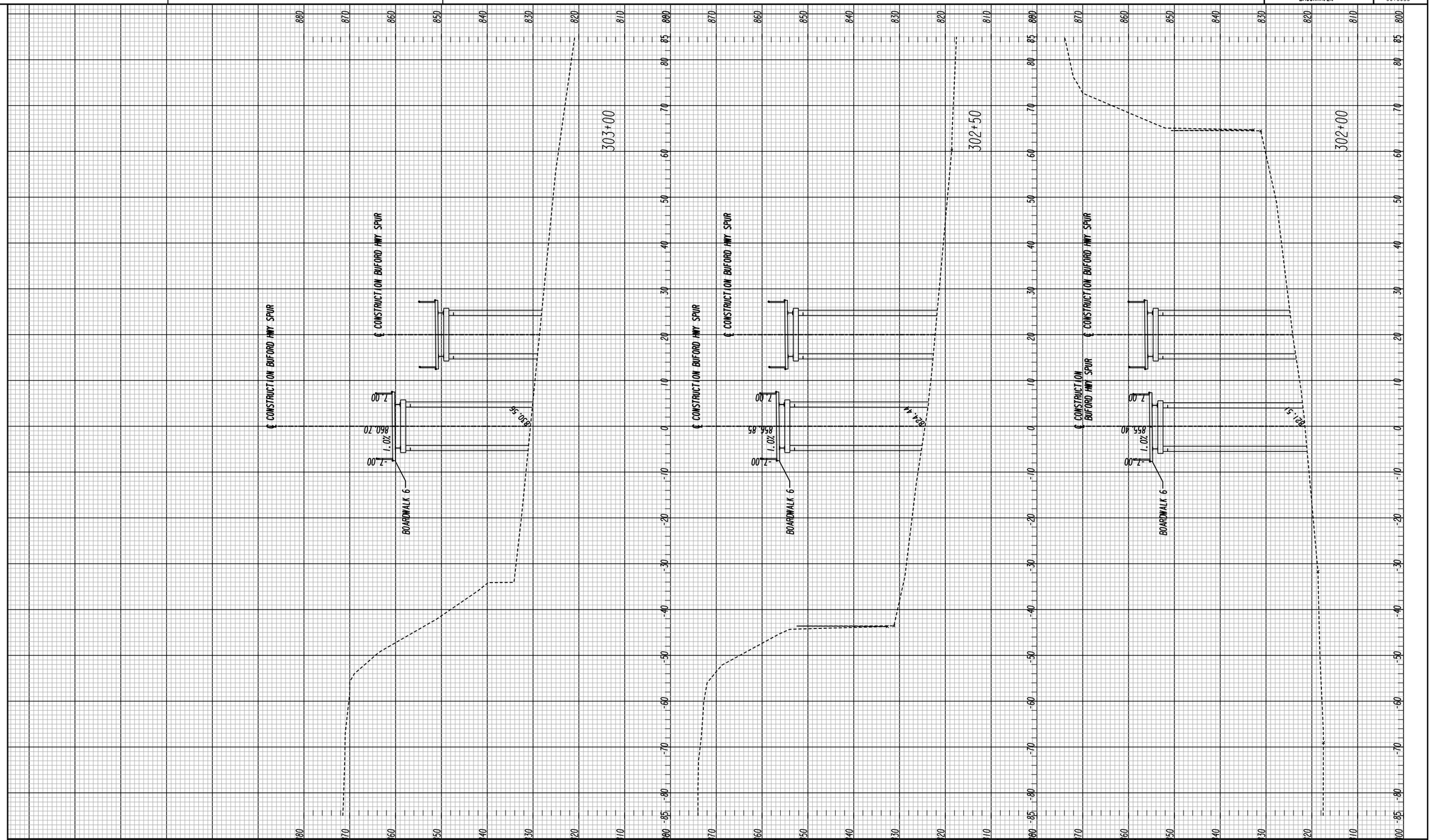
USER:pjomes

CITY OF BROOKHAVEN

P. I. No. 0016053



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SCALE:
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1 INCH = 10 FEET HORIZ.

REVISION DATES

CITY OF BROOKHAVEN

CROSS SECTIONS

PEACHTREE CREEK GREENWAY FROM ATL TO NORTH DRUID HILLS RD - PHASE II

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		23-0027
CORRECTED:		DATE:		
VERIFIED:		DATE:		

7/31/2015 SUKEN

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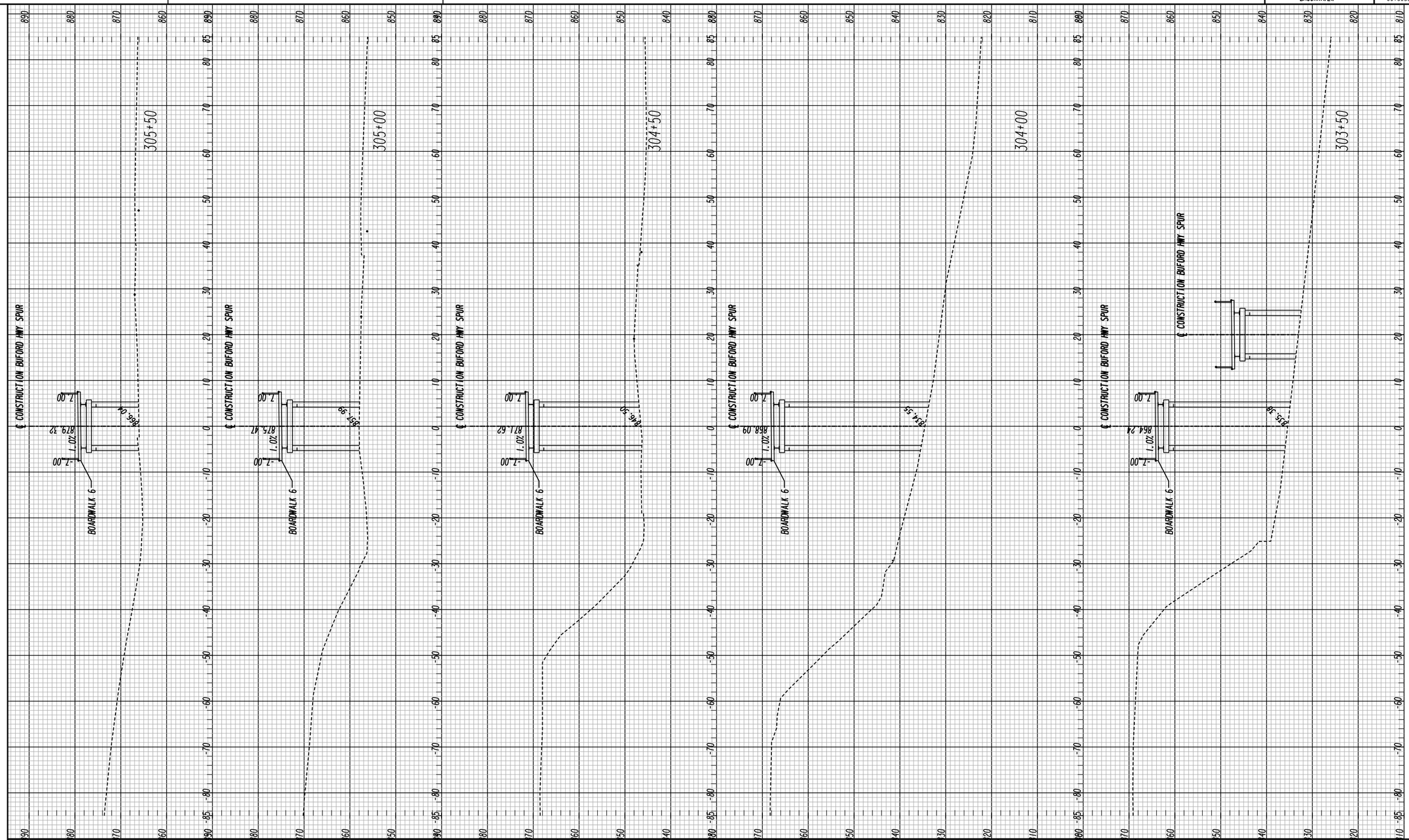
USER:pjames

CITY OF BROOKHAVEN

P. I. No. 0016053



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SCALE:
1 INCH = 10 FEET VERT.
1 INCH = 10 FEET HORIZ.

REVISION DATES

CITY OF BROOKHAVEN

CROSS SECTIONS

PEACHTREE CREEK GREENWAY FROM ATL TO NORTH DRUID HILLS RD - PHASE II

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		23-0028
CORRECTED:		DATE:		
VERIFIED:		DATE:		

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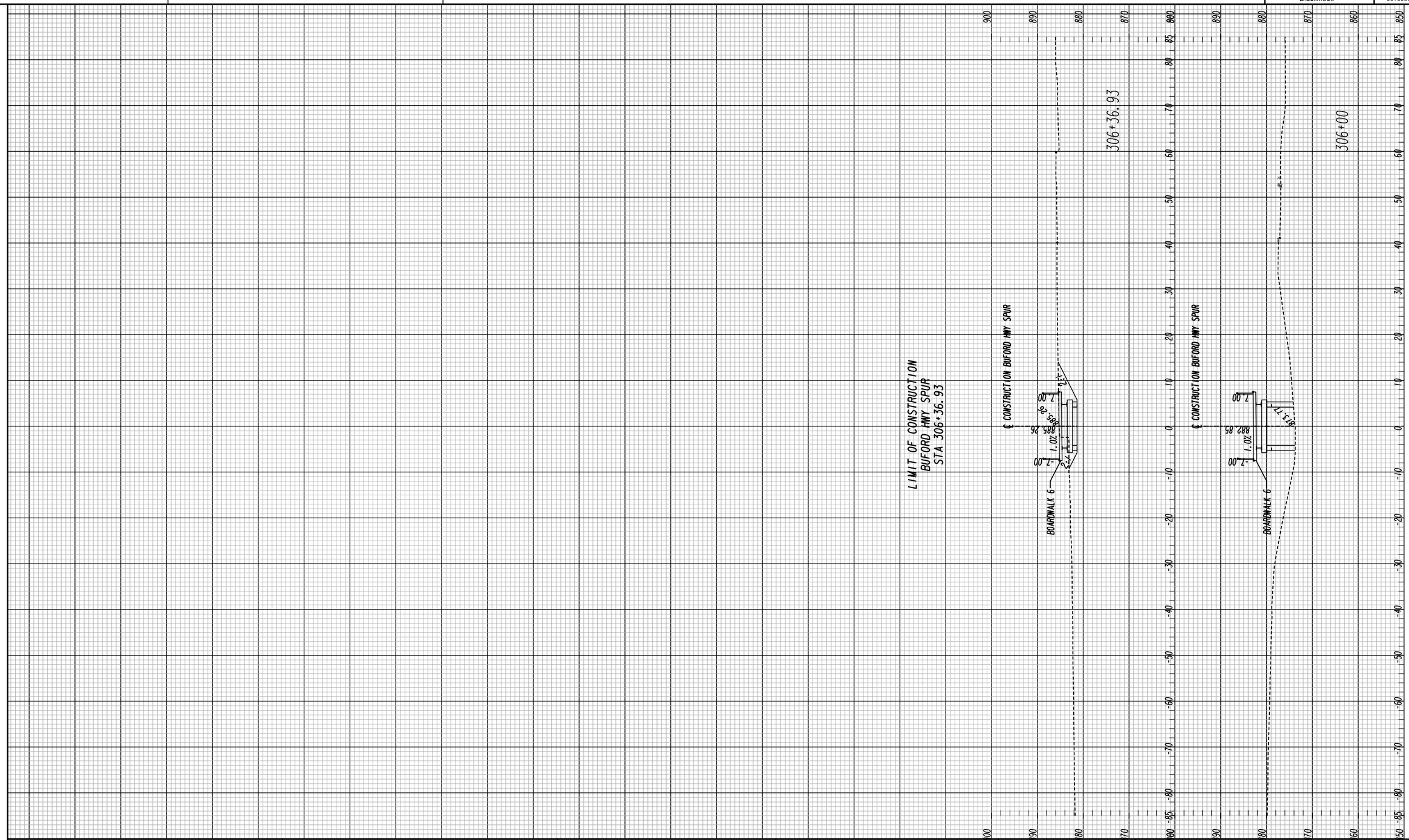
USER:pjomes

CITY OF BROOKHAVEN

P. I. No. 0016053



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SCALE:
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1 INCH = 10 FEET HORIZ.

REVISION DATES

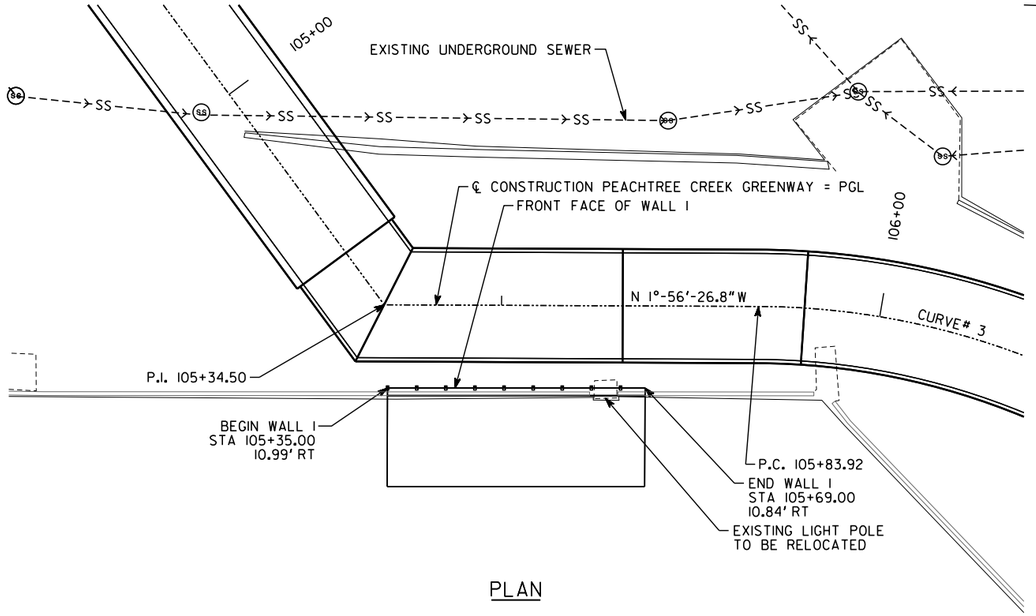
CITY OF BROOKHAVEN

CROSS SECTIONS

PEACHTREE CREEK GREENWAY FROM ATL TO NORTH DRUID HILLS RD - PHASE II

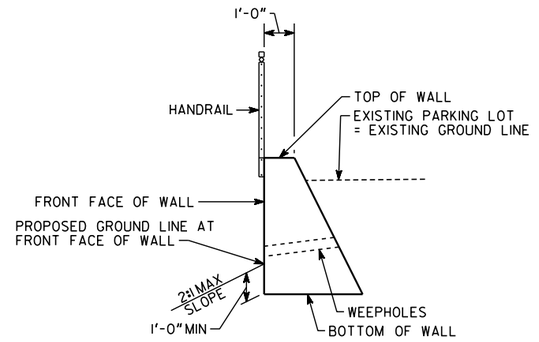
CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		23-0029
CORRECTED:		DATE:		
VERIFIED:		DATE:		

7/31/2015 SUKEN

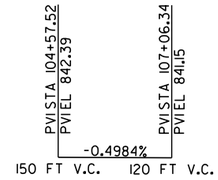


PLAN

N



SECTION A-A
NO SCALE

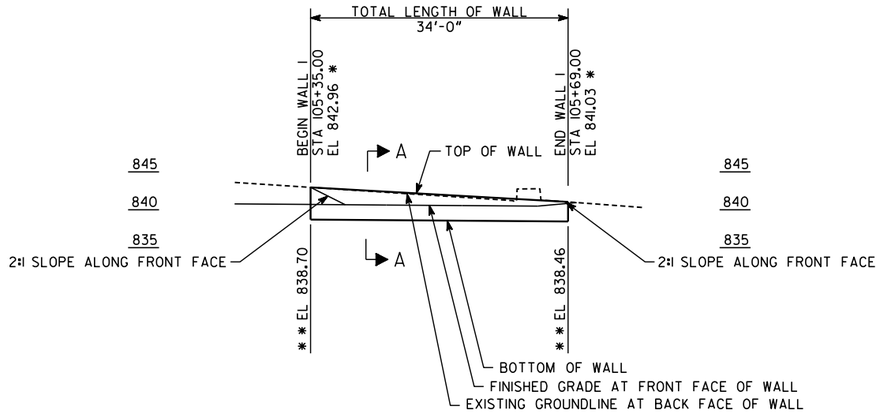


PROPOSED VERTICAL CURVE DATA

CURVE #3

PI STA = 106+15.97
N = 1392881.2554
E = 2241837.2945
Δ = 35°-32'-03.4"(RT)
D = 57°-17'-44.81"
T = 32.04'
L = 62.02'
R = 100.00'
E = 5.01'

PROPOSED HORIZONTAL CURVE DATA



ELEVATION
LOOKING AT BACK FACE OF WALL

DESIGN DATA

SPECIFICATIONS ---------- AASHTO LRFD 9TH EDITION, 2020

NOTES:
1. STATIONS ARE ALONG ℄ CONSTRUCTION PEACHTREE CREEK GREENWAY. DIMENSIONS ARE ALONG THE FRONT FACE OF WALL.
2. * TOP OF WALL ELEVATION.
3. OFFSETS ARE TO FRONT FACE OF WALL.
4. ** EXISTING GROUNDLINE ELEVATION AT FRONT FACE OF WALL.
5. PROPOSED WALL TO BE BUILT AS A GA STD 9031L.
6. TEMPORARY SHORING MAY BE REQUIRED FOR WALL CONSTRUCTION. COST SHALL BE INCLUDED IN PRICE OF THE WALL.
7. EXPOSED SURFACE OF THE WALL SHALL HAVE A FORM LINED FINISH TO BE SUMBITTED AND APPROVED BY THE CITY OF BROOKHAVEN.

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(770) 424-1668

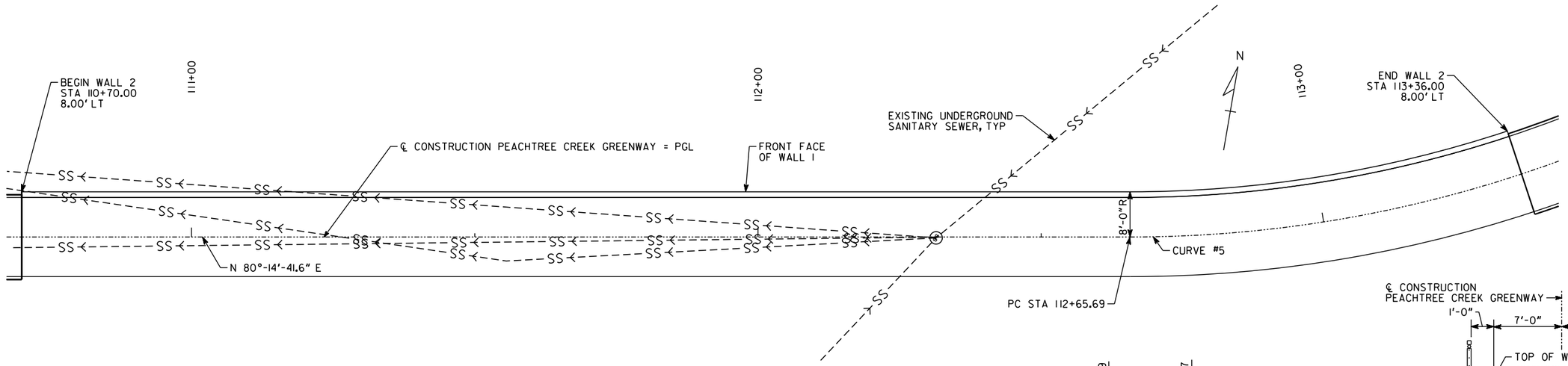
REVISION DATES

CITY OF BROOKHAVEN

RETAINING WALL ENVELOPES
PEACHTREE CREEK GREENWAY FROM
ATL TO NORTH DRUID HILLS RD - PHASE II

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		31-0001
CORRECTED:		DATE:		
VERIFIED:		DATE:		

7/31/2015 GPLN



PLAN

NOTES:
1. STATIONS ARE ALONG ℄ CONSTRUCTION PEACHTREE CREEK GREENWAY. DIMENSIONS ARE ALONG THE FRONT FACE OF WALL.
2. * TOP OF WALL ELEVATION.
3. OFFSETS ARE TO FRONT FACE OF WALL.
4. * * EXISTING GROUNDLINE ELEVATION AT FRONT FACE OF WALL.
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6. PROPOSED TRAIL IS TO BE BUILT ON A 1% SUPEREVELATION DOWN TO THE LEFT.
7. TEMPORARY SHORING MAY BE REQUIRED FOR WALL CONSTRUCTION. COST SHALL BE INCLUDED IN PRICE OF THE WALL.
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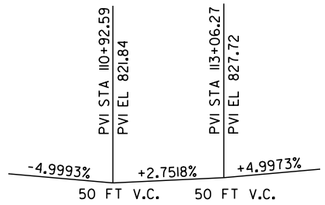
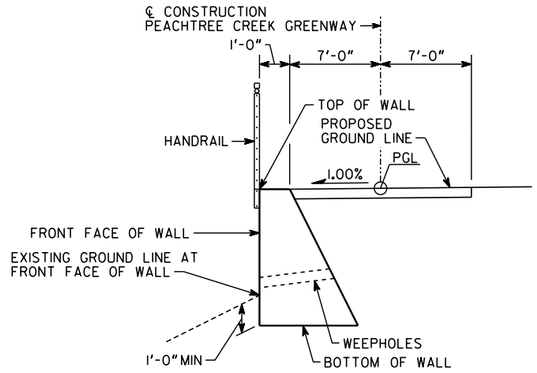
CURVE #5

PI STA= 113+40.29
N= 1393174.0856
E= 2242450.5250
Δ= 37°-27'-47.8"(LT)
D= 26°-02'-36.73"
T= 74.60'
L= 143.85'
R= 220.00'
E= 12.30'

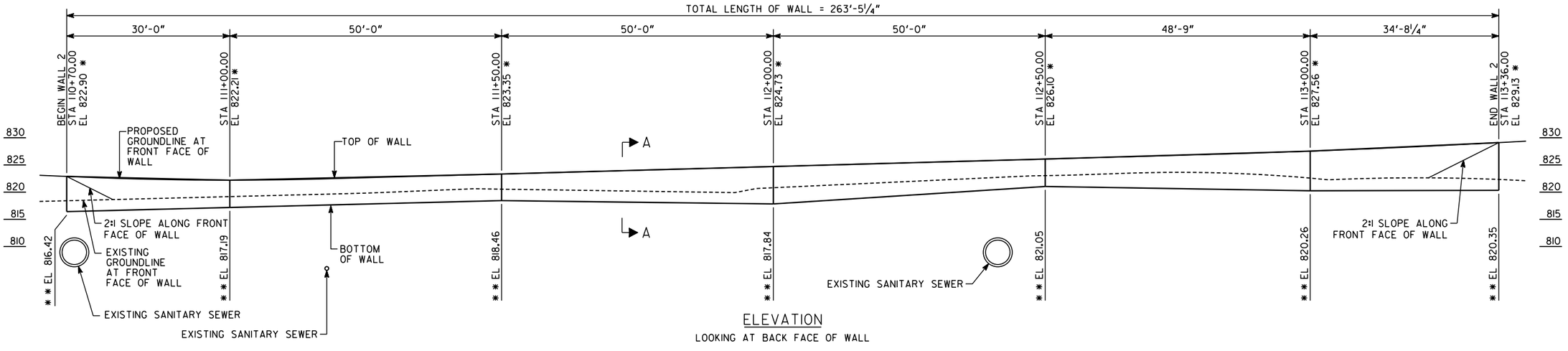
PROPOSED HORIZONTAL CURVE DATA



PROPOSED VERTICAL CURVE DATA
ALONG PGL



SECTION A-A
NO SCALE



ELEVATION
LOOKING AT BACK FACE OF WALL

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REVISION DATES		

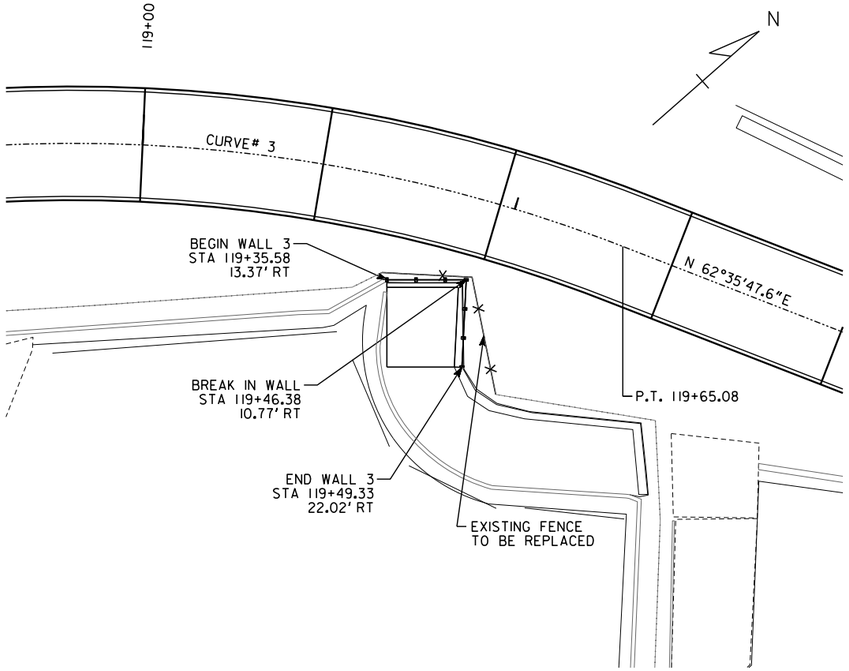
CITY OF BROOKHAVEN

RETAINING WALL ENVELOPES

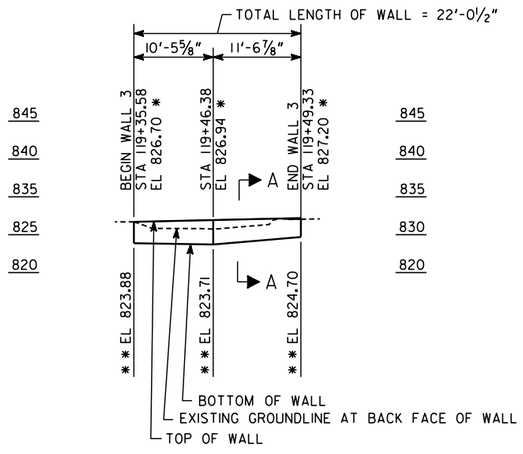
PEACHTREE CREEK GREENWAY FROM ATL TO NORTH DRUID HILLS RD - PHASE II

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		31-0002
CORRECTED:		DATE:		
VERIFIED:		DATE:		

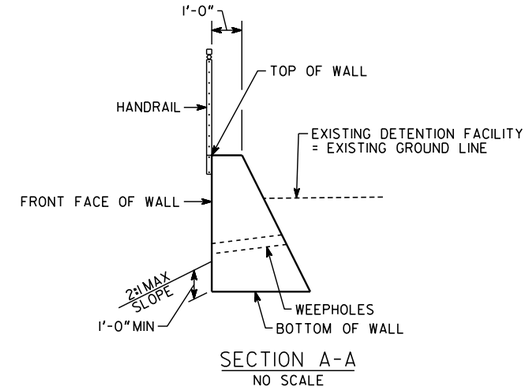
7/31/2015 GPLN



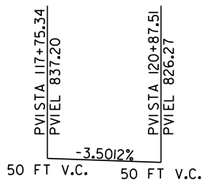
PLAN



ELEVATION
LOOKING AT BACK FACE OF WALL



SECTION A-A
NO SCALE



PROPOSED VERTICAL CURVE DATA

CURVE #7

PI STA = 118+88.73
N = 1393669.9289
E = 2242671.7599
Δ = 46°-28'-18.9"(RT)
D = 28°-38'-52.40"
T = 85.87'
L = 162.22'
R = 200.00'
E = 17.65'

PROPOSED HORIZONTAL CURVE DATA

DESIGN DATA

SPECIFICATIONS ---------- AASHTO LRFD 9TH EDITION, 2020

NOTES:
1. STATIONS ARE ALONG ℄ CONSTRUCTION PEACHTREE CREEK GREENWAY. DIMENSIONS ARE ALONG THE FRONT FACE OF WALL.
2. * TOP OF WALL ELEVATION.
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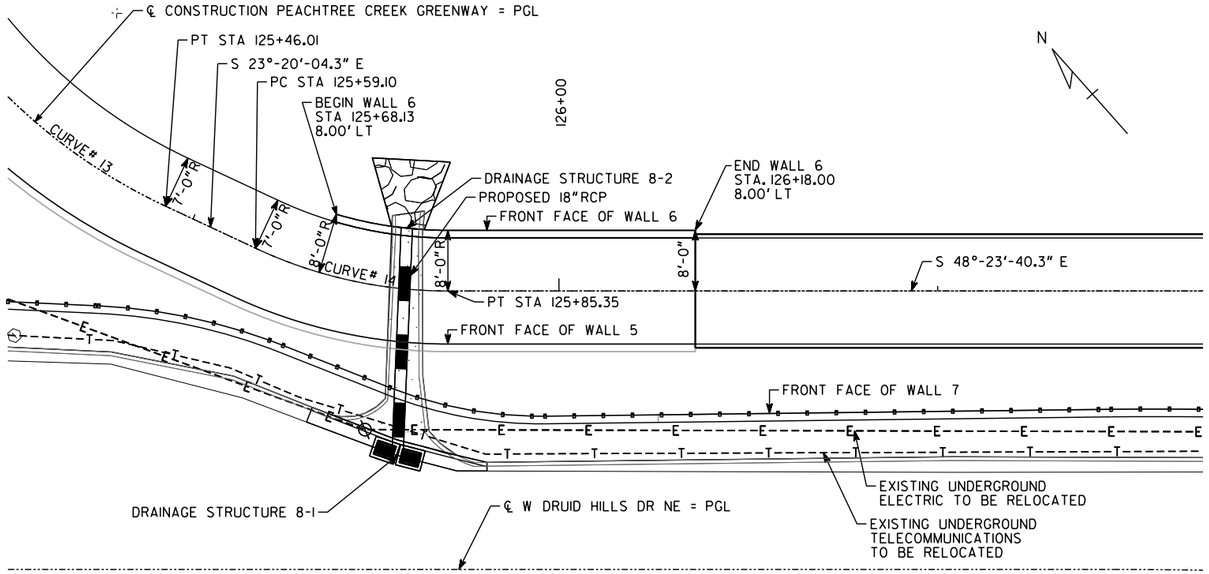
REVISION DATES

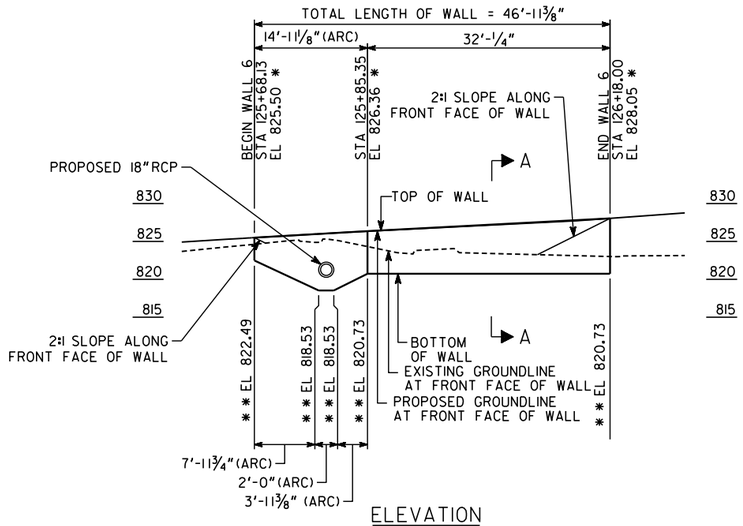
CITY OF BROOKHAVEN
RETAINING WALL ENVELOPES
PEACHTREE CREEK GREENWAY FROM
ATL TO NORTH DRUID HILLS RD - PHASE II

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		31-0003
CORRECTED:		DATE:		
VERIFIED:		DATE:		

7/31/2015 GPLN



PLAN



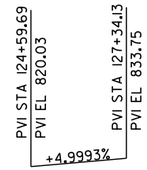
ELEVATION

LOOKING AT BACK FACE OF WALL

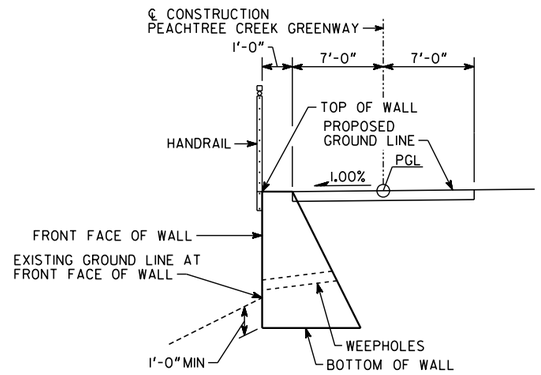
CURVE #14

PI STA= 125+72.44
N= 1393573.5703
E= 2243129.4675
Δ= 25°-03'-36.1"(LT)
D= 95°-29'-34.68"
T= 13.33'
L= 26.24'
R= 60.00'
E= 1.46'

PROPOSED HORIZONTAL CURVE DATA



PROPOSED VERTICAL CURVE DATA
ALONG PGL



SECTION A-A
NO SCALE

NOTES:
1. STATIONS ARE ALONG ℄ CONSTRUCTION PEACHTREE CREEK GREENWAY. DIMENSIONS ARE ALONG THE FRONT FACE OF WALL.
2. * TOP OF WALL ELEVATION.
3. OFFSETS ARE TO FRONT FACE OF WALL.
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REVISION DATES

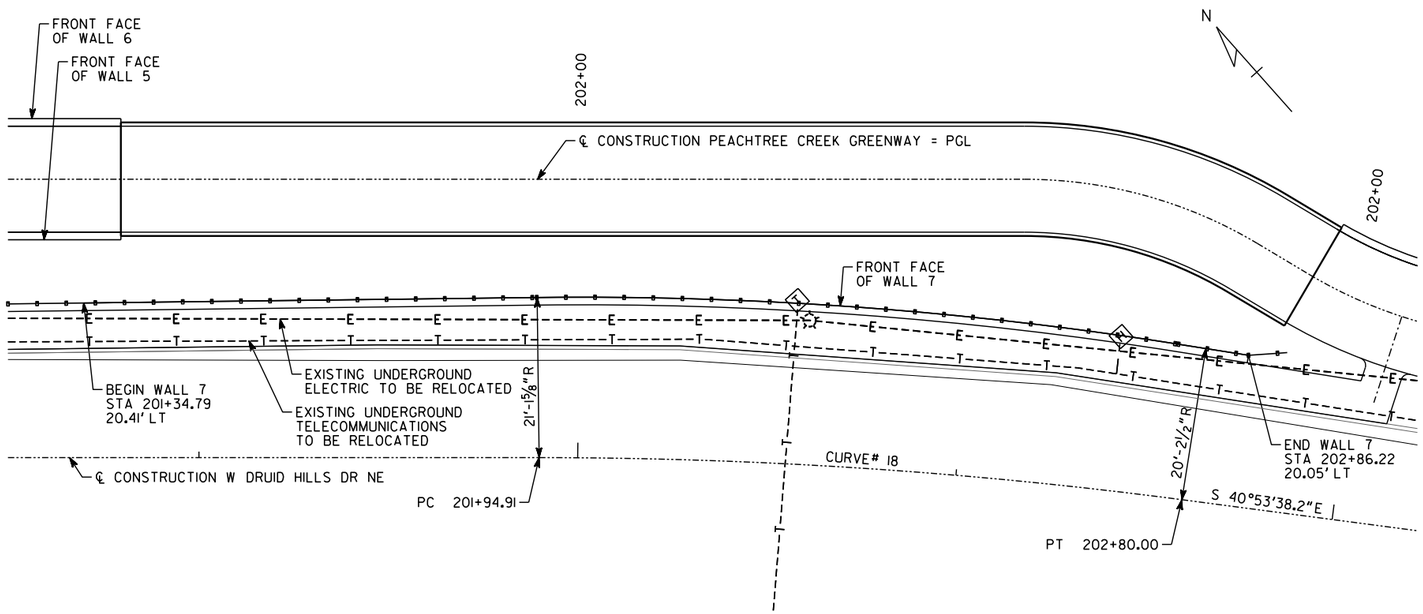
CITY OF BROOKHAVEN

RETAINING WALL ENVELOPES

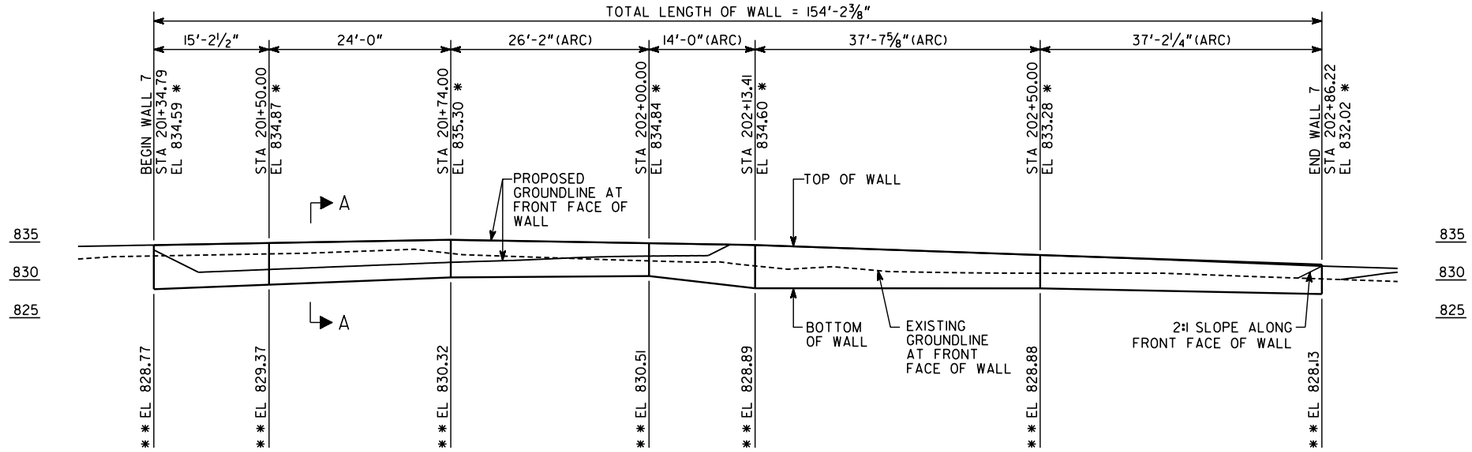
PEACHTREE CREEK GREENWAY FROM
ATL TO NORTH DRUID HILLS RD - PHASE II

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		31-0004
CORRECTED:		DATE:		
VERIFIED:		DATE:		

7/31/2015 GPLN



PLAN



ELEVATION

LOOKING AT BACK FACE OF WALL

CURVE #18

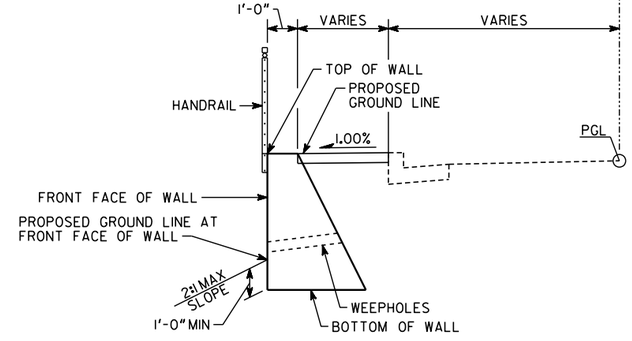
PI STA= 202+37.52
N = 1393450.5986
E = 2243212.6007
Δ = 7°-30'-02.1"(RT)
D = 8°-48'-53.05"
T = 42.61'
L = 85.09'
R = 650.00'
E = 1.39'

PROPOSED HORIZONTAL CURVE DATA

PVI STA 201+00.00	PVI STA 201+50.00	PVI STA 202+00.00	PVI STA 202+50.00	PVI STA 203+00.00
PVI EL 820.03	PVI EL 833.75	PVI EL 833.75	PVI EL 833.75	PVI EL 833.75
+0.7400%	-0.5200%	-3.6800%	-3.9600%	

PROPOSED VERTICAL CURVE DATA

ALONG PGL



SECTION A-A

NO SCALE

NOTES:
1. STATIONS ARE ALONG ℄ CONSTRUCTION W DRUID HILLS DR NE. DIMENSIONS ARE ALONG THE FRONT FACE OF WALL.
2. * TOP OF WALL ELEVATION.
3. OFFSETS ARE TO FRONT FACE OF WALL.
4. ** EXISTING GROUNDLINE ELEVATION AT FRONT FACE OF WALL.
5. PROPOSED WALL TO BE BUILT AS A GA STD 9031L.
6. PROPOSED TRAIL IS TO BE BUILT ON A 1% SUPEREVELATION DOWN TO THE LEFT.
7. TEMPORARY SHORING MAY BE REQUIRED FOR WALL CONSTRUCTION. COST SHALL BE INCLUDED IN PRICE OF THE WALL.
8. EXPOSED SURFACE OF THE WALL SHALL HAVE A FORM LINED FINISH TO BE SUMBITTED AND APPROVED BY THE CITY OF BROOKHAVEN.

Brookhaven GEORGIA

Heath & Lineback Engineers
INCORPORATED
2390 CANTON ROAD • BUILDING 200
MARIETTA, GEORGIA 30066-5393
(770) 424-1668

REVISION DATES

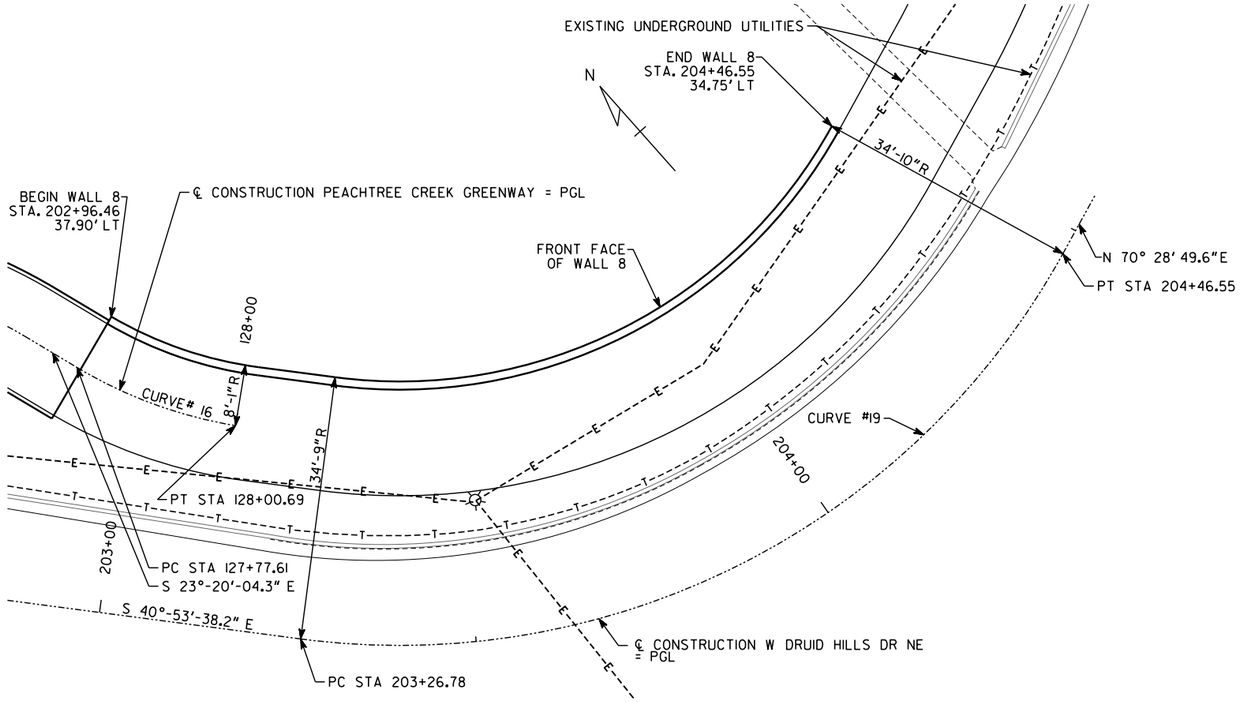
CITY OF BROOKHAVEN

RETAINING WALL ENVELOPES

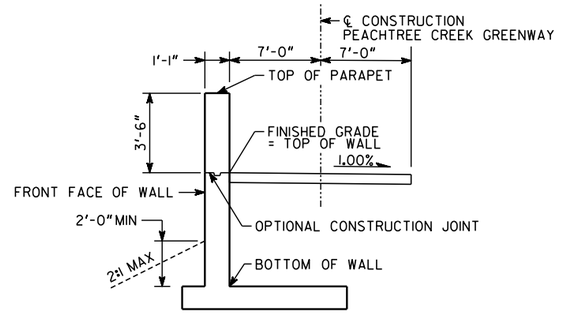
PEACHTREE CREEK GREENWAY FROM ATL TO NORTH DRUID HILLS RD - PHASE II

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		31-0005
CORRECTED:		DATE:		
VERIFIED:		DATE:		

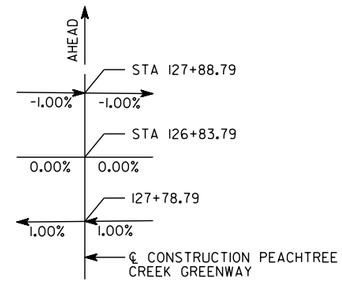
7/31/2015 GPLN



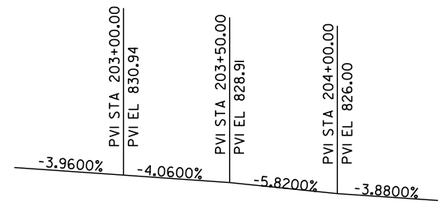
PLAN



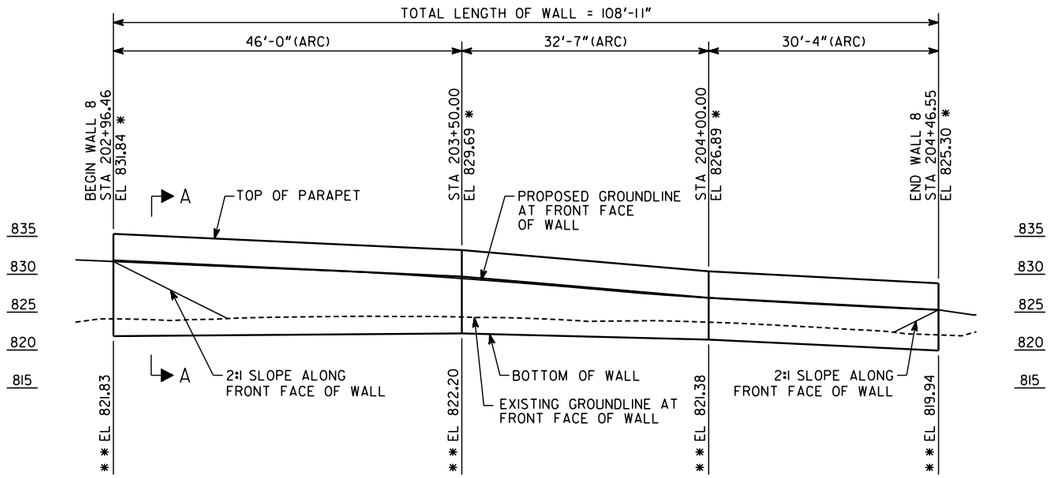
SECTION A-A
NO SCALE



SUPERELEVATION
TRANSITION DATA



PROPOSED VERTICAL
CURVE DATA
ALONG PGL



ELEVATION
LOOKING AT BACK FACE OF WALL

CURVE #16

PI STA= 127+89.29
N= 1393418.2644
E= 2243276.3586
Δ= 22°-02'-27.0"(LT)
D= 95°-29'-34.68"
T= 11.69'
L= 23.08'
R= 60.00'
E= 1.13'

CURVE #19

PI STA= 203+95.03
N= 1393331.4415
E= 2243315.7958
Δ= 68°-37'-32.2"(LT)
D= 57°-17'-44.81"
T= 68.25'
L= 119.77'
R= 100.00'
E= 21.07'

PROPOSED HORIZONTAL CURVE DATA

NOTES:
1. STATIONS ARE ALONG ℄ CONSTRUCTION W DRUID HILLS DE NE. DIMENSIONS ARE ALONG THE FRONT FACE OF WALL.
2. * TOP OF WALL ELEVATION.
3. OFFSETS ARE TO FRONT FACE OF WALL.
4. ** EXISTING GROUNDLINE ELEVATION AT FRONT FACE OF WALL.
5. PROPOSED WALL 8 TO BE BUILT AS A GA STD 4949D.
6. TEMPORARY SHORING MAY BE REQUIRED FOR WALL CONSTRUCTION COST SHALL BE INCLUDED IN PRICE OF THE WALL.
7. EXPOSED SURFACE OF THE WALL SHALL HAVE A FORM LINED FINISH TO BE SUMBITTED AND APPROVED BY THE CITY OF BROOKHAVEN.

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REVISION DATES

CITY OF BROOKHAVEN
RETAINING WALL ENVELOPES
PEACHTREE CREEK GREENWAY FROM
ATL TO NORTH DRUID HILLS RD - PHASE II

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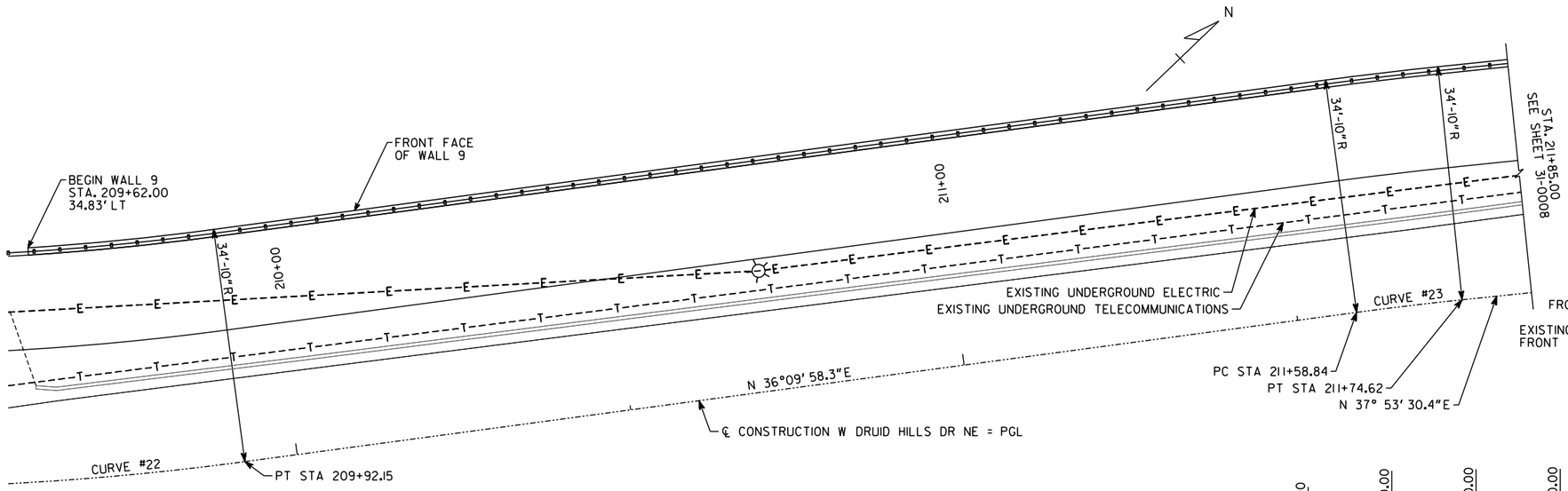
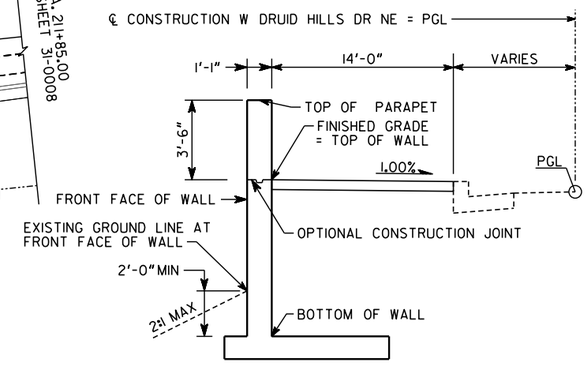
VERIFIED:		DATE:		

7/31/2015 GPLN



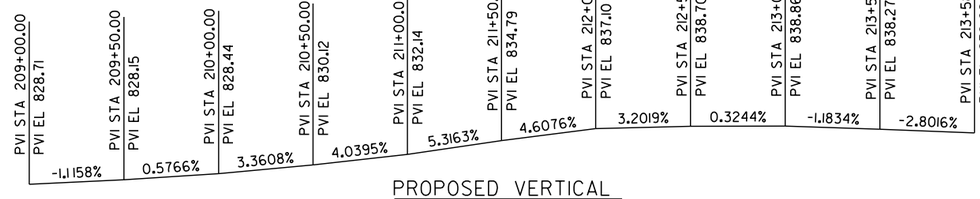


SECTION A-A
NO SCALE

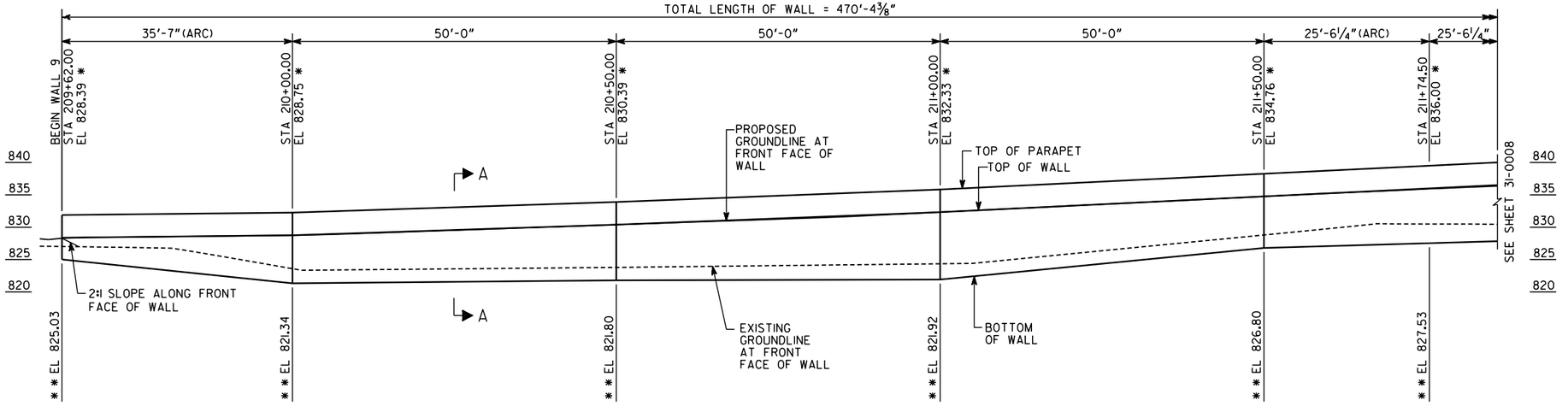
CURVE #22	CURVE #23
PI STA= 209+22.96	PI STA= 211+66.73
N= 1393643.4352	N= 1393841.2197
E= 2243755.1795	E= 2243899.7568
Δ= 18°-28'-20.3"(LT)	Δ= 1°-43'-32.0"(RT)
D= 13°-13'-56.21"	D= 10°-56'-03.51"
T= 70.41'	T= 7.89'
L= 139.60'	L= 15.78'
R= 433.00'	R= 524.00'
E= 5.69'	E= 0.06'

PROPOSED HORIZONTAL CURVE DATA

PLAN



PROPOSED VERTICAL CURVE DATA
ALONG PGL



ELEVATION
LOOKING AT BACK FACE OF WALL

NOTES:
1. STATIONS ARE ALONG ℄ CONSTRUCTION W DRUID HILLS DE NE. DIMENSIONS ARE ALONG THE FRONT FACE OF WALL.
2. * TOP OF WALL ELEVATION.
3. OFFSETS ARE TO FRONT FACE OF WALL.
4. ** EXISTING GROUNDLINE ELEVATION AT FRONT FACE OF WALL.
5. PROPOSED WALL TO BE BUILT AS A GA STD 4949D.
6. PROPOSED TRAIL IS TO BE BUILT ON A 1% SUPEREVELATION DOWN TO THE RIGHT.
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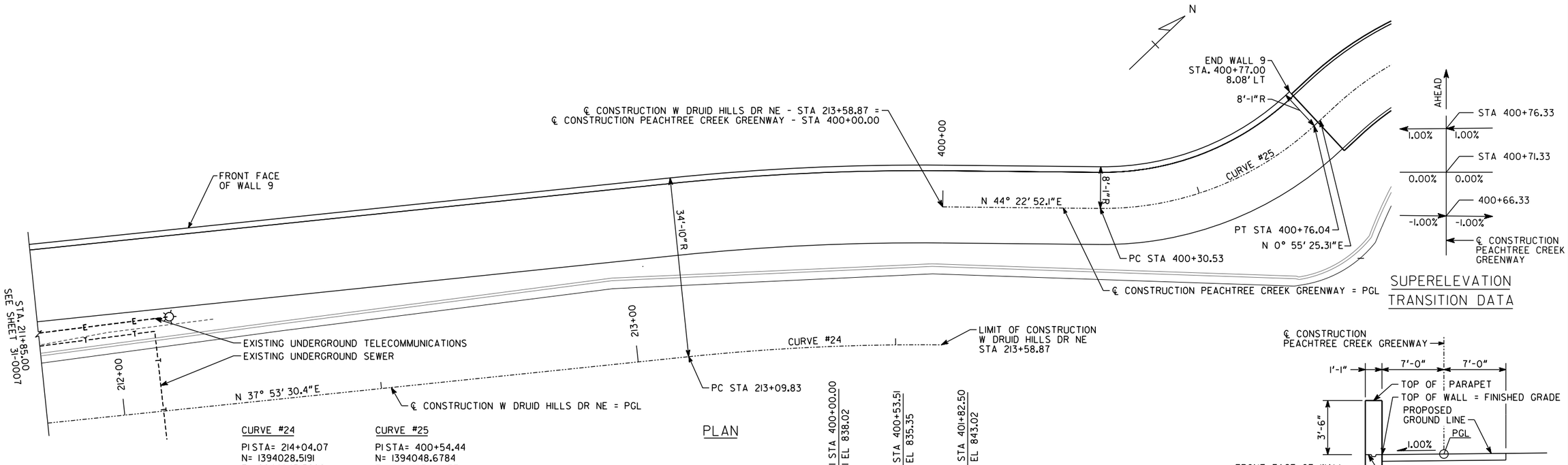
VERIFIED:		DATE:		

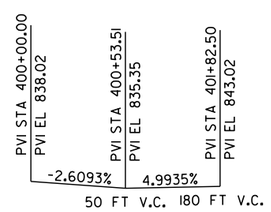
7/31/2015 GPLN



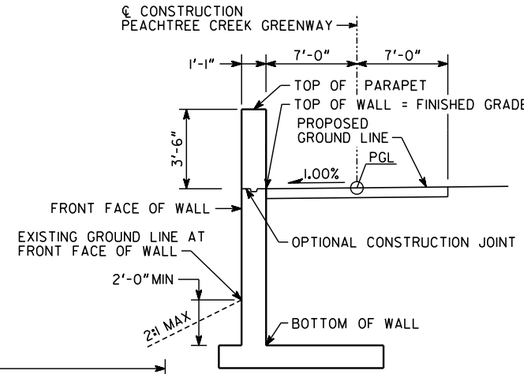
CURVE #24
PI STA= 214+04.07
N= 1394028.5191
E= 2244045.5222
Δ= 24°-33'-28.3"(RT)
D= 13°-13'-56.21"
T= 94.24'
L= 185.59'
R= 433.00'
E= 10.14'

CURVE #25
PI STA= 400+54.44
N= 1394048.6784
E= 2244038.8437
Δ= 43°-27'-26.8"(RT)
D= 95°-29'-34.68"
T= 23.91'
L= 45.51'
R= 60.00'
E= 4.59'

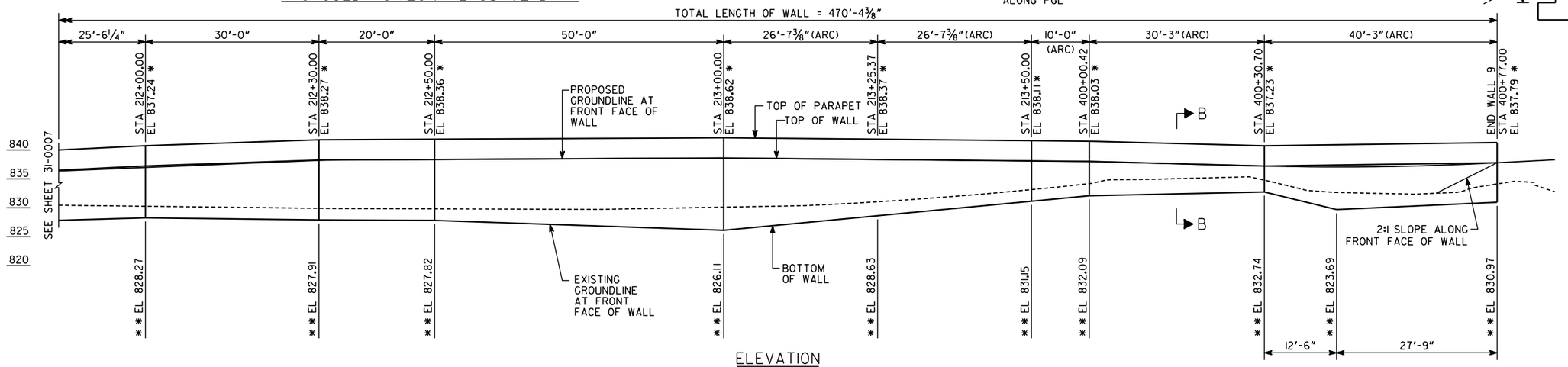
PROPOSED HORIZONTAL CURVE DATA



PROPOSED VERTICAL CURVE DATA
ALONG PGL



SECTION B-B
NO SCALE



ELEVATION
LOOKING AT BACK FACE OF WALL

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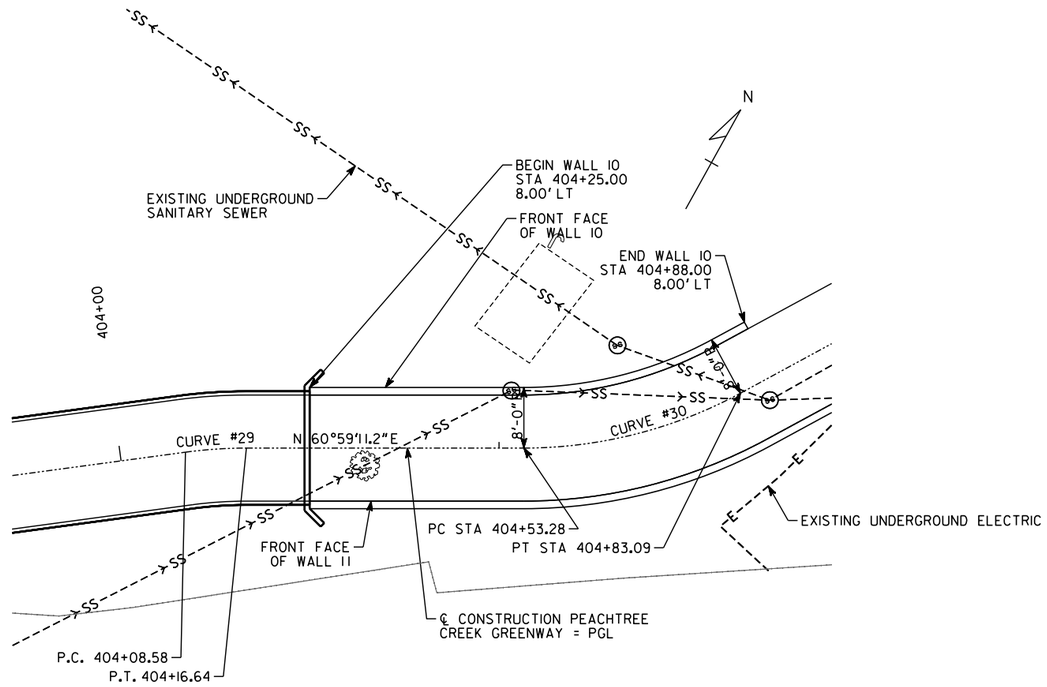
REVISION DATES

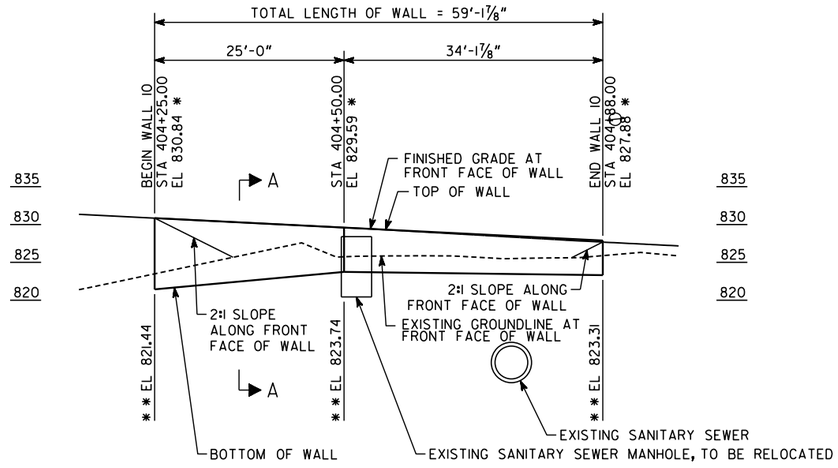
CITY OF BROOKHAVEN
RETAINING WALL ENVELOPES
PEACHTREE CREEK GREENWAY FROM
ATL TO NORTH DRUID HILLS RD - PHASE II

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		31-0008
CORRECTED:		DATE:		
VERIFIED:		DATE:		

7/31/2015 GPLN



PLAN

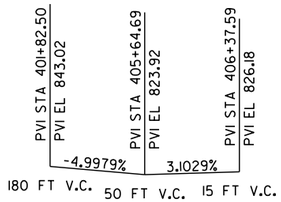


ELEVATION

LOOKING AT BACK FACE OF WALL

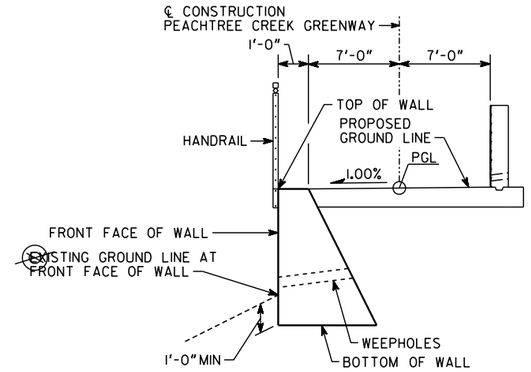
CURVE #29	CURVE #30
PI STA= 404+12.62	PI STA= 404+68.50
N= 1394298.3595	N= 1394325.4667
E= 2244270.5066	E= 2244319.3820
Δ= 7°-41'-52.1"(RT)	Δ= 28°-27'-56.9"(LT)
D= 95°-29'-34.68"	D= 95°-29'-34.68"
T= 4.04'	T= 15.22'
L= 8.06'	L= 29.81'
R= 60.00'	R= 60.00'
E= 0.14'	E= 1.90'

PROPOSED HORIZONTAL CURVE DATA



PROPOSED VERTICAL CURVE DATA

ALONG PGL



SECTION A-A

NO SCALE

NOTES:

1. STATIONS ARE ALONG ℄ CONSTRUCTION PEACHTREE CREEK GREENWAY. DIMENSIONS ARE ALONG THE FRONT FACE OF WALL.
2. * TOP OF WALL ELEVATION.
3. OFFSETS ARE TO FRONT FACE OF WALL.
4. ** EXISTING GROUNDLINE ELEVATION AT FRONT FACE OF WALL.
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REVISION DATES

CITY OF BROOKHAVEN

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PEACHTREE CREEK GREENWAY FROM ATL TO NORTH DRUID HILLS RD - PHASE II

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BACKCHECKED:		DATE:		31-0009
CORRECTED:		DATE:		
VERIFIED:		DATE:		

APPENDIX D

DRAFT COMMUNITY NOTIFIACTION LETTER

December 2023

City of Brookhaven
PI NO.: 0016053
Peachtree Creek Greenway Trail from Atlanta to North Druid Hills Road – Phase II

Subject: Notification of Floodway Revision for Peachtree Creek

Dear Mr./Mrs./Ms. “Property Owner”:

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

Heath and Lineback Engineers, Inc is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of The City of Brookhaven to revise FIRM 13089C0053R and FIRM 13089C0054K for Brookhaven in Dekalb County, Georgia along Peachtree Creek. The City of Brookhaven is proposing to build a multi-use trail along Peachtree Creek with several pedestrian bridges as part of the city’s plan to expand pedestrian friendly facilities.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Peachtree Creek. The floodway will be revised from just north of Corporate Blvd NE to where Buford Highway meets the GA-400 / I—85 Connector along Peachtree Creek. Base Flood Elevations (BFEs) will increase and decrease along Peachtree Creek.

This letter is to inform you of the proposed project that may affect flood elevations on your property at {insert physical address}. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed

and a LOMR request is submitted to FEMA. Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the {insert location} at {insert location address}. If you have any questions or concerns about the proposed project or its effect on your property, you may contact {name of appropriate community official} of {name of community} at {community official contact information} from … to … {insert dates during which community contact person can be contacted}.

Sincerely,
Heath & Lineback Engineers

Frank R Boykins, P.E.

APPENDIX E

MT-2 FORMS

DEPARTMENT OF HOMELAND SECURITY
Federal Emergency Management Agency

OVERVIEW & CONCURRENCE FORM

OMB Control Number: 1660-0016
Expiration: 1/31/2024

PAPERWORK BURDEN DISCLOSURE NOTICE

Public reporting burden for this form is estimated to average 1 hours per response. The burden estimate includes the time for reviewing instructions, searching existing data sources, gathering and maintaining the needed data, and completing, reviewing, and submitting the form. You are not required to respond to this collection of information unless it displays a valid OMB control number. Send comments regarding the accuracy of the burden estimate and any suggestions for reducing this burden to: Information Collections Management, Department of Homeland Security, Federal Emergency Management Agency, 500 C Street, SW, Washington, DC 20472 , Paperwork Reduction Project (1660-0016). Submission of the form is required to obtain or retain benefits under the National Flood Insurance Program. **Please do not send your completed survey to the above address.**

PRIVACY ACT STATEMENT

AUTHORITY: The National Flood Insurance Act of 1968, Public Law 90-448, as amended by the Flood Disaster Protection Act of 1973, Public Law 93-234.
PRINCIPAL PURPOSE(S): This information is being collected for the purpose of determining an applicant's eligibility to request changes to National Flood Insurance Program (NFIP) Flood Insurance Rate Maps (FIRM).
ROUTINE USE(S): The information on this form may be disclosed as generally permitted under 5 U.S.C § 552a(b) of the Privacy Act of 1974, as amended. This includes using this information as necessary and authorized by the routine uses published in DHS/FEMA/NFIP/LOMA-1 National Flood Insurance Program (NFIP); Letter of Map Amendment (LOMA) February 15, 2006, 71 FR 7990.
DISCLOSURE: The disclosure of information on this form is voluntary; however, failure to provide the information requested may delay or prevent FEMA from processing a determination regarding a requested change to a (NFIP) Flood Insurance Rate Maps (FIRM).

A. REQUESTED RESPONSE FROM DHS-FEMA

This request is for a (check one):

☒ CLOMR: A letter from DHS-FEMA commenting on whether a proposed project, if built as proposed, would justify a map revision, or proposed hydrology changes (See 44 CFR Ch. 1, Parts 60, 65 & 72). All CLOMRs require documentation of compliance with the Endangered Species Act. Refer to the Instructions for details.

☐ LOMR: A letter from DHS-FEMA officially revising the current NFIP map to show the changes to floodplains, regulatory floodway or flood elevations. (See 44 CFR Ch. 1, Parts 60, 65 & 72).

B. OVERVIEW

1. The NFIP map panel(s) affected for all impacted communities is (are):

Community No.	Community Name	State	Map No.	Panel No.	Effective Date
135175: 130065	City of Brookhaven: DeKalb County	GA; GA	13089C	0053K: 0054K	08/15/19: 08/15/19

2. a. Flooding Source: North Fork Peachtree Creek

b. Types of Flooding: ☐ Riverine ☐ Coastal ☐ Shallow Flooding (e.g., Zones AO and AH) ☐ Alluvial Fan ☐ Lakes ☐ Other (Attach Description)

3. Project Name/Identifier: Peachtree Creek Greenway

4. FEMA zone designations (choices: A, AH, AO, A1-A30, A99, AE, AR, V, V1-V30, VE, B, C, D, X)

a. Effective: AE

b. Revised: AE

5. Basis for Request and Type of Revision:

a. The basis for this revision request is (check all that apply)

- [x] Physical Change
- [ ] Improved Methodology/Data
- [x] Regulatory Floodway Revision
- [ ] Base Map Changes
- [ ] Coastal Analysis
- [x] Hydraulic Analysis
- [ ] Hydrologic Analysis
- [ ] Corrections
- [ ] Weir-Dam Changes
- [ ] Levee Certification
- [ ] Alluvial Fan Analysis
- [ ] Natural Changes
- [ ] New Topographic Data
- [ ] Other (Attach Description)

Note: A photograph and narrative description of the area of concern is not required, but is very helpful during review.

b. The area of revision encompasses the following structures (check all that apply)

Structures:

- [ ] Channelization
- [ ] Levee/Floodwall
- [ ] Bridge/Culvert
- [ ] Dam
- [x] Fill
- [ ] Other (Attach Description)

6. [ ] Documentation of ESA compliance is submitted (required to initiate CLOMR review). Please refer to the instructions for more information.

C. REVIEW FEE

Has the review fee for the appropriate request category been included?

- [x] Yes — Fee amount: $ 6500
- [ ] No, Attach Explanation

- **Please see the DHS-FEMA Web site at http://www.fema.gov/forms-documents-and-software/flood-map-related-fees for Fee Amounts and Exemptions.**

D. SIGNATURES

1. REQUESTOR'S SIGNATURE

All documents submitted in support of this request are correct to the best of my knowledge. I understand that any false statement may be punishable by fine or imprisonment under Title 18 of the United States Code, Section 1001.

Name: *Patrick Peters*	Company: *BCC Engineering d/b/a Heath & Lineback Engineers*
Mailing Address: *2390 Canton Rd, Bldg 200 Marietta, GA 30066*	Daytime Telephone: *770-424-1668* Fax No.:
	E-mail Address: *ppeters@heath-lineback.com*
	Date: *6/2/23*

Signature of Requestor (required): Pat Pe

2. COMMUNITY CONCURRENCE

As the community official responsible for floodplain management, I hereby acknowledge that we have received and reviewed this Letter of Map Revision (LOMR) or conditional LOMR request. Based upon the community's review, we find the completed or proposed project meets or is designed to meet all of the community floodplain management requirements, including the requirements for when fill is placed in the regulatory floodway, and that all necessary Federal, State, and local permits have been, or in the case of a conditional LOMR, will be obtained. For Conditional LOMR requests, the applicant has documented Endangered Species Act (ESA) compliance to FEMA prior to FEMA's review of the Conditional LOMR application. For LOMR requests, I acknowledge that compliance with Sections 9 and 10 of the ESA has been achieved independently of FEMA's process. For actions authorized, funded, or being carried out by Federal or State agencies, documentation from the agency showing its compliance with Section 7(a)(2) of the ESA will be submitted. In addition, we have determined that the land and any existing or proposed structures to be removed from the SFHA are or will be reasonably safe from flooding as defined in 44CFR 65.2(c), and that we have available upon request by FEMA, all analyses and documentation used to make this determination.

Community Official's Name and Title: Timothy J Ward, City Engineer

Mailing Address: 4362 Pachtree Road Brookhaven GA 30319	Community Name: Brookhaven, GA
	Daytime Telephone: 678-644-6421 Fax No.:
	E-mail Address: timothy.ward@brookhavenga.gov

Community Official's Signature (required): Timothy J Ward Date: 5/19/2023

3. CERTIFICATION BY REGISTERED PROFESSIONAL ENGINEER AND/OR LAND SURVEYOR

This certification is to be signed and sealed by a licensed land surveyor, registered professional engineer, or architect authorized by law to certify elevation information data, hydrologic and hydraulic analysis, and any other supporting information as per NFIP regulations paragraph 65.2(b) and as described in the MT-2 Forms Instructions. All documents submitted in support of this request are correct to the best of my knowledge. I understand that any false statement may be punishable by fine or imprisonment under Title 18 of the United States Code, Section 1001.

Certifier's Name: F. Randy Boykin	License No.: GA 030524	Expiration Date: 12/31/2023
Company Name: Heath & Lineback	Mailing Address: 2390 Canton Road, Bldg 200	
Telephone No.: 770-424-1668 Fax No.:	Marietta, GA 30066	
E-mail Address: rboykin@heath-lineback.com		
Signature:		Date: 05/09/2023

Ensure the forms that are appropriate to your revision request are included in your submittal.

Form Name and (Number)	Required if …
☒ Riverine Hydrology and Hydraulics Form (Form 2)	New or revised discharges or water-surface elevations
☒ Riverine Structures Form (Form 3)	Channel is modified, addition/revision of bridge/culverts, addition/revision of levee/floodwall, addition/revision of dam
☐ Coastal Analysis Form (Form 4)	New or revised coastal elevations
☐ Coastal Structures Form (Form 5)	Addition/revision of coastal structure
☐ Alluvial Fan Flooding Form (Form 6)	Flood control measures on alluvial fans

Seal (Optional)

DEPARTMENT OF HOMELAND SECURITY

Federal Emergency Management Agency

RIVERINE HYDROLOGY & HYDRAULICS FORM (FORM 2)

OMB Control Number: 1660-0016
Expiration: 1/31/2024

PAPERWORK BURDEN DISCLOSURE NOTICE

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Flooding Source: North Fork Peachtree Creek

Note: Fill out one form for each flooding source studied

A. HYDROLOGY

1. Reason for New Hydrologic Analysis (check all that apply):

☒ Not revised (skip to section B) ☐ No existing analysis ☐ Improved data
☐ Alternative methodology ☐ Proposed Conditions (CLOMR) ☐ Changed physical condition of watershed

2. Comparison of Representative 1%-Annual-Chance Discharges

Location	Drainage Area (Sq. Mi.)	Effective/FIS (cfs)	Revised (cfs)

3. Methodology for New Hydrologic Analysis (check all that apply)

☐ Precipitation/Runoff Model → Specify Model: _____ Duration: _____ Rainfall Amount: _____

☐ Statistical Analysis of Gage Records

☐ Regional Regression Equations ☐ Other (please attach description)

Please enclose all relevant models in digital format, maps, computations (including computation of parameters), and documentation to support the new analysis.

4. Review/Approval of Analysis

If your community requires a regional, state, or federal agency to review the hydrologic analysis, please attach evidence of approval/review. 4. HEC-RAS File Description**:

5. Impacts of Sediment Transport on Hydrology

Is the hydrology for the revised flooding source(s) affected by sediment transport? ☐ Yes ☐ No

If yes, then fill out Section F (Sediment Transport) of Form 3. If No, then attach your explanation.

B. HYDRAULICS

1. Reach to be Revised

	Description	Cross Section	Water-Surface Elevation (ft.)	
			Effective	Proposed/Revised
Downstream Limit*	Peachtree Creek	429	837.93	837.96
Upstream Limit*	Peachtree Creek	6074	819.73	819.73

*Proposed/Revised elevations must tie-into the Effective elevations within 0.5 foot at the downstream and upstream limits of revision.

2. Hydraulic Method/Model Used: HEC-RAS 6.2

☒ Steady State ☐ Unsteady State ☐ One-Dimensional ☐ Two-Dimentional

3. Pre-Submittal Review of Hydraulic Models*

DHS-FEMA has developed two review programs, CHECK-2 and CHECK-RAS, to aid in the review of HEC-2 and HEC-RAS hydraulic models, respectively. We recommend that you review your HEC-2 and HEC-RAS models with CHECK-2 and CHECK-RAS.

4. HEC-RAS File Description**:

Models Submitted	Natural Run		Floodway Run		Datum
Duplicate Effective Model*	File Name:	Plan Name:	File Name:	Plan Name:	
	NFPC.prj	FW	NFPC.prj	FW	NAVD 88
Corrected Effective Model*	File Name:	Plan Name:	File Name:	Plan Name:	
	NFPC.prj	Corrected Effective	NFPC.prj	Corrected Effective	NAVD 88
Existing or Pre-Project Conditions Model	File Name:	Plan Name:	File Name:	Plan Name:	
	NFPC.prj	Corrected Effective	NFPC.prj	Corrected Effective	NAVD 88
Revised or Post-Project Conditions Model	File Name:	Plan Name:	File Name:	Plan Name:	
	NFPC.prj	Proposed	NFPC.prj	Proposed	NAVD 88
Other - (attach description)	File Name:	Plan Name:	File Name:	Plan Name:	

* For details, refer to the corresponding section of the instructions.
**See instructions for information about modeling other then HEC-RAS. ☒ Digital Models Submitted? (Required)

C. MAPPING REQUIREMENTS

A **certified topographic work map** must be submitted showing the following information (where applicable): the boundaries of the effective, existing, and proposed conditions 1%-annual-chance floodplain (for approximate Zone A revisions) or the boundaries of the 1%- and 0.2%-annual-chance floodplains and regulatory floodway (for detailed Zone AE, AO, and AH revisions); location and alignment of all cross sections with stationing control indicated; stream, road, and other alignments (e.g., dams, levees, etc.); current community easements and boundaries; boundaries of the requester's property; certification of a registered professional engineer registered in the subject State; location and description of reference marks; and the referenced vertical datum (NGVD, NAVD, etc.).

Topographic Information: ☒ Digital Mapping (GIS/CADD) Data Submitted (preferred)

Source: Field Survey - Edwards-Pittman | Date:

Vertical Datum: NAVD-88 | Spatial Projection:

Accuracy:

Note that the boundaries of the existing or proposed conditions floodplains and regulatory floodway to be shown on the revised FIRM and/or FBFM must tie-in with the effective floodplain and regulatory floodway boundaries. Please attach **a copy of the effective FIRM and/or FBFM**, at the same scale as the original, annotated to show the boundaries of the revised 1%-and 0.2%-annual-chance floodplains and regulatory floodway that tie-in with the boundaries of the effective 1%-and 0.2%-annual-chance floodplain and regulatory floodway at the upstream and downstream limits of the area on revision.

☐ Annotated FIRM and/or FBFM (Required)

D. COMMON REGULATORY REQUIREMENTS*

1. For LOMR/CLOMR requests, do Base Flood Elevations (BFEs) or Special Flood Hazard Areas (SFHAs) increase compared to the effective BFEs? ☒ Yes ☐ No

   If Yes, please attach **proof of property owner notification**. Examples of property owner notifications can be found in the MT-2 Form 2 Instructions.

2. For CLOMR requests, if either of the following is true, please submit **evidence of compliance with Section 65.12 of the NFIP regulations**:

   - The proposed project encroaches upon a regulatory floodway and would result in increases above 0.00 foot compared to pre-project conditions.
   - The proposed project encroaches upon a SFHA with or without BFEs established and would result in increases above 1.00 foot compared to pre-project conditions.

3. Does the request involve the placement or proposed placement of fill? ☒ Yes ☐ No

   If Yes, the community must be able to certify that the area to be removed from the special flood hazard area, to include any structures or proposed structures, meets all of the standards of the local floodplain ordinances, and is reasonably safe from flooding in accordance with the NFIP regulations set forth at 44 CFR 60.3(A)(3), 65.5(a)(4), and 65.6(a)(14). Please see the MT-2 instructions for more information.

4. Does the request involve the placement or proposed placement of fill? ☒ Yes ☐ No

   If Yes, attach **evidence of regulatory floodway revision notification**. As per Paragraph 65.7(b)(1) of the NFIP Regulations, notification is required for requests involving revisions to the regulatory floodway Elements and examples of regulatory floodway revision notification can be found in the MT-2 Form 2 Instructions.

5. For CLOMR requests, please submit documentation to FEMA and the community to show that you have complied with Sections 9 and 10 of the Endangered Species Act (ESA). For actions authorized, funded, or being carried out by Federal or State agencies, please submit documentation from the agency showing its compliance with Section 7(a)(2) of the ESA. Please see the MT-2 instructions for more detail.

DEPARTMENT OF HOMELAND SECURITY

Federal Emergency Management Agency

RIVERINE STRUCTURES FORM (FORM 3)

OMB Control Number: 1660-0016
Expiration: 1/31/2024

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Flooding Source: _____

Note: Fill out one form for each flooding source studied

A. GENERAL

Complete the appropriate section(s) for each Structure listed below:

Channelization:	complete Section B
Bridge/Culvert:	complete Section C
Dam:	complete Section D
Levee/Floodwall:	complete Section E
Sediment Transport:	complete Section F (if required)

Description Of Modeled Structure

1. Name of Structure: Structure 1

   Type (check one): ☐ Channelization ☒ Bridge/Culvert ☐ Levee/Floodwall ☐ Dam

   Location of Structure: 429

   Downstream Limit/Cross Section: 429

   Upstream Limit/Cross Section: 1537

2. Name of Structure: Structure 2

   Type (check one): ☐ Channelization ☒ Bridge/Culvert ☐ Levee/Floodwall ☐ Dam

   Location of Structure: 1795

   Downstream Limit/Cross Section: 1795

   Upstream Limit/Cross Section: 2586

3. Name of Structure: Structure 3

   Type (check one): ☐ Channelization ☒ Bridge/Culvert ☐ Levee/Floodwall ☐ Dam

   Location of Structure: 3184

   Downstream Limit/Cross Section: 3184

   Upstream Limit/Cross Section: 3334

NOTE: FOR MORE STRUCTURES, ATTACH ADDITIONAL PAGES AS NEEDED.

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Flooding Source: _____

Note: Fill out one form for each flooding source studied

A. GENERAL

Complete the appropriate section(s) for each Structure listed below:

Channelization:	complete Section B
Bridge/Culvert:	complete Section C
Dam:	complete Section D
Levee/Floodwall:	complete Section E
Sediment Transport:	complete Section F (if required)

Description Of Modeled Structure

1. Name of Structure: Structure 4

   Type (check one): ☐ Channelization ☒ Bridge/Culvert ☐ Levee/Floodwall ☐ Dam

   Location of Structure: 4299

   Downstream Limit/Cross Section: 4682

   Upstream Limit/Cross Section: _____

2. Name of Structure: Structure 5

   Type (check one): ☐ Channelization ☒ Bridge/Culvert ☐ Levee/Floodwall ☐ Dam

   Location of Structure: 1168

   Downstream Limit/Cross Section: _____

   Upstream Limit/Cross Section: _____

3. Name of Structure: _____

   Type (check one): ☐ Channelization ☐ Bridge/Culvert ☐ Levee/Floodwall ☐ Dam

   Location of Structure: _____

   Downstream Limit/Cross Section: _____

   Upstream Limit/Cross Section: _____

NOTE: FOR MORE STRUCTURES, ATTACH ADDITIONAL PAGES AS NEEDED.

B. CHANNELIZATION

Flooding Source: _____

Name of Structure: _____

1. Hydraulic Considerations

The channel was designated to carry _____ (cfs) and/or the _____ - year flood

The design elevation in the channel is based on (check one):

☐ Subcritical flow ☐ Critical flow ☐ Supercritical flow ☐ Energy grade line

If there is the potential for a hydraulic jump at the following locations, check all that apply and attach an explanation of how the hydraulic jump is controlled without affecting the stability of the channel.

☐ Inlet to channel ☐ Outlet to channel ☐ At Drop Structures ☐ At Transitions

☐ Other locations (specify): _____

2. Channel Design Plans

Attach the plans of the channelization certified by a registered professional engineer, as described in the instructions.

3. Accessory Structures

The channelization includes (check one):

☐ Levees [Attach Section E (Levee/Floodwall)] ☐ Drop structures ☐ Superelevated sections ☐ Energy dissipater

☐ Transitions in cross sectional geometry ☐ Debris basin/detention basin [Attach Section D (Dam/Basin)] ☐ Weir

☐ Other (Describe): _____

4. Sediment Transport Considerations

Are the hydraulics of the channel affected by sediment transport? ☐ Yes ☐ No

If yes, then fill out Section F (Sediment Transport) of Form 3. If No, then attach your explanation for why sediment transport was not considered.

C. BRIDGE/CULVERT

Flooding Source: _____

Name of Structure: _____

1. This revision reflects (check one):

☒ Bridge/Culvert not modeled in the FIS

☐ Modified Bridge/Culvert previously modeled in the FIS

☐ Revised analysis of Bridge/Culvert previously modeled in the FIS

2. Hydraulic model used to analyze the structure (e.g., HEC-2 with special bridge routine, WSPRO, HY8): HEC-RAS

If different than hydraulic analysis for the flooding source, justify why the hydraulic analysis used for the flooding source could not analyze the structures. Attach justification.

3. Attach plans of the structures certified by a registered professional engineer. The plan detail and information should include the following (check the information that has been provided):

☒ Dimensions (height, width, span, radius, length)
☐ Shape (culverts only)
☒ Material
☐ Beveling and Rounding
☐ Wink Wall Angle
☒ Skew Angle
☐ Distance between Cross Sections
☒ Erosion Protection
☒ Low Chord Elevations - Upstream and Downstream
☒ Top of Road Elevations - Upstream and Downstream
☐ Structure Invert Elevations - Upstream and Downstream
☐ Stream Invert Elevations - Upstream and Downstream
☒ Cross-Section Locations

4. Sediment Transport Considerations

Are the hydraulics of the channel affected by sediment transport? ☐ Yes ☒ No

If yes, then fill out Section F (Sediment Transport) of Form 3. If No, then attach your explanation for why sediment transport was not considered.

D. DAM/BASIN

Flooding Source: _____

Name of Structure: _____

1. This request is for (check one): ☐ Existing Dam/Basin ☐ New Dam/Basin ☐ Modification of existing Dam/Basin

2. The Dam/Basin was designed by (check one): ☐ Federal Agency ☐ State Agency ☐ Private Organization

   ☐ Local Government Agency Name of the Agency or Organization: _____

3. The Dam was permitted as (check one): ☐ Federal Dam ☐ State Dam

   Provide the permit or identification number (ID) for the dam and the appropriate permitting agency or organization

   Permit or ID number _____ Permitting Agency or Organization _____

   a. ☐ Local Government Dam ☐ Private Dam

   Provided related drawings, specification and supporting design information.

4. Does the project involve revised hydrology? ☐ Yes ☐ No

   If Yes, complete the Riverine Hydrology & Hydraulics Form (Form 2).

   Was the dam/basin designed using critical duration storm? (must account for the maximum volume of runoff)

   ☐ Yes, provide supporting documentation with your completed Form 2.

   ☐ No, provide a written explanation and justification for not using the critical duration storm.

5. Does the submittal include debris/sediment yield analysis? ☐ Yes ☐ No

   If Yes, then fill out Section F (Sediment Transport). If No, then attach your explanation for why debris/sediment analysis was not considered?

6. Does the Base Flood Elevation behind the dam/basin or downstream of the dam/basin change? ☐ Yes ☐ No

   If Yes, complete the Riverine Hydrology & Hydraulics Form (Form 2) and complete the table below.

	Stillwater Elevation Behind the Dam/Basin	
FREQUENCY (% annual chance)	FIS	REVISED
10-year (10%)		
50-year (2%)		
100-year (1%)		
500-year (0.2%)		
Normal Pool Elevation		

7. Please attach a copy of the formal Operation and Maintenance Plan

E. LEVEE/FLOODWALL

1. System Elements

   a. This Levee/Floodwall analysis is based on (check one): ☐ Upgrading of an existing levee/floodwall system ☐ A newly constructed levee/floodwall system ☐ Reanalysis of an existing levee/floodwall system

   b. Levee elements and locations are (check one):

   ☐ Earthen embankment, dike, berm, etc Stationed _____ to _____

   ☐ Structured floodwall Stationed _____ to _____

   ☐ Other (describe): _____ Stationed _____ to _____

E. LEVEE/FLOODWALL (CONTINUED)

c. Structural Type (check one): ☐ Monolithic cast-in place reinforced concrete ☐ Reinforced concrete masonry block ☐ Sheet piling ☐ Other (describe): _____

d. Has this levee/floodwall system been certified by a Federal agency to provide protection from the base flood?

☐ Yes ☐ No

If Yes, by which agency? _____

e. Attach certified drawings containing the following information (indicate drawing sheet numbers):

1. Plan of the levee embankment and floodwall structures. Sheet Numbers: _____
2. A profile of the levee/floodwall system showing the Base Flood Elevation (BFE), levee and/or wall crest and foundation, and closure locations for the total levee system. Sheet Numbers: _____
3. A profile of the levee/floodwall system showing the Base Flood Elevation (BFE), levee and/or wall crest and foundation, and closure locations for the total levee system. Sheet Numbers: _____
4. A layout detail for the embankment protection measures. Sheet Numbers: _____
5. Location, layout, and size and shape of the levee embankment features, foundation treatment, Floodwall structure, closure structures, and pump stations. Sheet Numbers: _____

2. Freeboard

a. The minimum freeboard provided above the BFE is:

_____

Riverine

3.0 feet or more at the downstream end and throughout	☐ Yes	☐ No
3.5 feet or more at the upstream end	☐ Yes	☐ No
4.0 feet within 100 feet upstream of all structures and/or constrictions	☐ Yes	☐ No

Coastal

1.0 foot above the height of the one percent wave associated with the 1%-annual-chance stillwater surge elevation or maximum wave runup (whichever is greater).	☐ Yes	☐ No
2.0 feet above the 1%-annual-chance stillwater surge elevation	☐ Yes	☐ No

Please note, occasionally exceptions are made to the minimum freeboard requirement. If an exception is requested, attach documentation addressing Paragraph 65.10(b)(1)(ii) of the NFIP Regulations.

If No is answered to any of the above, please attach an explanation.

b. Is there an indication from historical records that ice-jamming can affect the BFE? ☐ Yes ☐ No

3. Closures

a. Openings through the levee system (check one): ☐ Exists ☐ Does not exist

If opening exists, list all closures:

Channel Station	Left or Right Bank	Opening Type	Highest Elevation for Opening Invert	Type of Closure Device

(Extend table on an added sheet as needed and reference)

Note: Geotechnical and geologic data

In addition to the required detailed analysis reports, data obtained during field and laboratory investigations and used in the design analysis for the following system features should be submitted in a tabulated summary form. (Reference U.S. Army Corps of Engineers [USACE] EM-1110-2-1906 Form 2086.)

E. LEVEE/FLOODWALL (CONTINUED)

4. Embarkment Protection

a. The maximum levee slope land side is: _____

b. The maximum levee slope flood side is: _____

c. The range of velocities along the levee during the base flood is: _____ (min) to _____ (max)

d. Embankment material is protected by (describe what kind): _____

e. Riprap Design Parameters (check one): ☐ Velocity ☐ Tractive Stress
Attach referrences

Reach	Sideslope	Flow Depth	Velocity	Curve or Straight	Stone Riprap			Depth of Toedown
					D_{100}	D_{50}	Thickness	
Sta _____ to _____								
Sta _____ to _____								
Sta _____ to _____								
Sta _____ to _____								
Sta _____ to _____								
Sta _____ to _____								

(Extend table on an added sheet as needed and reference each entry)

f. Is a bedding/filter analysis and design attached? ☐ Yes ☐ No

g. Describe the analysis used for other kinds of protection used (include copies of the design analysis):

Attach engineering analysis to support construction plans.

5. Embarkment and Foundation Stability

a. Identify locations and describe the basis for selection of critical location for analysis:

☐ Overall height: STA:_____ , height _____ ft.

☐ Limiting foundation soil strength:

Strength ϕ = _____ degrees, c = _____ psf

Slope: SS = _____ (h) to _____ (v)

(Repeat as needed on an added sheet for additional locations)

b. Specify the embankment stability analysis methodology used (e.g., circular arc, sliding block, infinite slope, etc.):

c. Summary of stability analysis results: _____

E. LEVEE/FLOODWALL (CONTINUED)

5. Embarkment and Foundation Stability (continued)

Case	Loading Conditions	Critical Safety Factor	Criteria (Min.)
I	End of construction		1.3
II	Sudden drawdown		1.0
III	Critical flood stage		1.4
IV	Steady seepage at flood stage		1.4
VI	Earthquake (Case I)		1.0

(Reference: USACE EM-1110-2-1913 Table 6-1)

d. Was a seepage analysis for the embankment performed? ☐ Yes ☐ No
If Yes, describe methodology used:

e. Was a seepage analysis for the embankment performed? ☐ Yes ☐ No

f. Were uplift pressures at the embankment landside toe checked? ☐ Yes ☐ No

g. Were seepage exit gradients checked for piping potential? ☐ Yes ☐ No

h. The duration of the base flood hydrograph against the embankment is _____ hours.

Attach engineering analysis to support construction plans.

6. Floodwall and Foundation Stability

a. Describe analysis submittal based on Code (check one): ☐ UBC (1988) ☐ Other (specify): _____

b. Stability analysis submitted provides for: ☐ Overturning ☐ Sliding ☐ If not, explain: _____

c. Loading included in the analyses were: ☐ Lateral earth @ P_A = _____ psf; P_p = _____ psf

☐ Surcharge-Slope @ _____, ☐ surface _____ psf

☐ Wind @ P_w = _____ psf

☐ Seepage (Uplift); _____ ☐ Earthquake @ P_{eq} = _____ %g

☐ 1%-annual-chance significant wave height: _____ ft.

☐ 1%-annual-chance significant wave period: _____ sec.

d. Summary of Stability Analysis Results: Factors of Safety.
Itemize for each range in site layout dimension and loading condition limitation for each respective reach.

Loading Condition	Criteria (Min)		Sta	To	Sta	To
	Overturn	Sliding	Overturn	Sliding	Overturn	Sliding
Dead & Wind	1.5	1.5				
Dead & Soil	1.5	1.5				
Dead, Soil, Flood, & Impact	1.5	1.5				
Dead, Soil, & Seismic	1.3	1.3				

(Ref: FEMA 114 Sept 1986; USACE EM 1110-2-2502)
Note: (Extend table on an added sheet as needed and reference)

E. LEVEE/FLOODWALL (CONTINUED)

e. Foundation bearing strength for each soil type:

Bearing Pressure	Sustained Load (psf)	Short Term Load (psf)
Computed design maximum		
Maximum allowable		

f. Foundation scour protection ☐ is, ☐ is not provided. If provided, attach explanation and supporting documentation:

Attach engineering analysis to support construction plans.

7. Settlement

a. Has anticipated potential settlement been determined and incorporated into the specified construction elevations to maintain the established freeboard margin?

b. The computed settlement range is _____ ft. to _____ ft.

c. Settlement of the levee crest is determined to be primarily from : ☐ Foundation consolidation

☐ Embankment compression ☐ Other (Describe): _____

d. Differential settlement of floodwalls ☐ has ☐ has not been accommodated in the structural design and construction

Attach engineering analysis to support construction plans.

8. Interior Drainage

a. Specify size of each interior watershed:

Drainage to pressure conduit: _____ acres

Drainage to ponding area: _____ acres

b. Relationship Established:

Ponding elevation vs. storage ☐ Yes ☐ No

Ponding elevation vs. gravity flow ☐ Yes ☐ No

Differential head vs. gravity flow ☐ Yes ☐ No

c. The river flow duration curve is enclosed: ☐ Yes ☐ No

d. Specify the discharge capacity of the head pressure conduit: _____ cfs

e. Which flooding conditions were analyzed?

Gravity flow (Interior Watershed) ☐ Yes ☐ No

Common storm (River Watershed) ☐ Yes ☐ No

Historical ponding probability ☐ Yes ☐ No

Coastal wave overtopping ☐ Yes ☐ No

If No for any of the above, attach explanation.

f. Interior drainage has been analyzed based on joint probability of interior and exterior flooding and the capacities of pumping and outlet facilities to provide the established level of flood protection.
☐ Yes ☐ No If No, attach explanation.

g. The rate of seepage through the levee system for the base flood is : _____ cfs

h. The length of levee system used to drive this seepage rate in item g: _____ ft.

E. LEVEE/FLOODWALL (CONTINUED)

8. Interior Drainage (continued)

i. Will pumping plants be used for interior drainage? ☐ Yes ☐ No

If Yes, include the number of pumping plants: _____ For each pumping plant, list:

	Plant #1	Plant #2
The number of pumps		
The ponding storage capacity		
The maximum pumping rate		
The maximum pumping head		
The pumping starting elevation		
The pumping stopping elevation		
Is the discharge facility protected?		
Is there a flood warning plan?		
How much time is available between warning and flooding?		

Will the operation be automatic? ☐ Yes ☐ No

If the pumps are electric; are there backup power sources? ☐ Yes ☐ No

(Reference: USACE EM-1110-2-3101, 3102, 3103, 3104, and 3105)
Include a copy of supporting documentation of data and analysis. Provide a map showing the flooded area and maximum ponding elevations for all interior watersheds that result in flooding.

9. Other Design Criteria

a. The following items have been addressed as stated:

Liquefaction ☐ is ☐ is not a problem

Hydrocompaction ☐ is ☐ is not a problem

Heave differential movement due to soils of high shrink/swell ☐ is ☐ is not a problem

b. For each of these problems, state the basic facts and corrective action taken:

Attach supporting documentation

c. If the levee/floodwall is new or enlarged, will the structure adversely impact flood levels and/or flow velocities floodside of the structure? ☐ Yes ☐ No

d. Sediment Transport Considerations:

Was sediment transport considered? ☐ Yes ☐ No

If Yes, then fill out Section F (Sediment Transport). If No, then attach your explanation for why sediment transport was not considered.

10. Operational Plan and Criteria

a. Are the planned/installed works in full compliance with Part 65.10 of the NFIP Regulations? ☐ Yes ☐ No

b. Does the operation plan incorporate all the provisions for closure devices as required in Paragraph 65.10(c)(1) of the NFIP regulations? ☐ Yes ☐ No

c. Does the operation plan incorporate all the provisions for interior drainage as required in Paragraph 65.10(c)(2) of the NFIP regulations? ☐ Yes ☐ No

If the answer is No to any of the above, please attach supporting documentation.

E. LEVEE/FLOODWALL (CONTINUED)

11. Maintenance Plan

Please attach a copy of the fomal maintenance plan for the levee/floodwall

12. Operational and Maintenance Plan

Please attach a copy of the formal Operations and Maintenance Plan for the levee/floodwall.

CERTIFICATION OF THE LEVEE DOCUMENTATION

This certification is to be signed and sealed by a licensed registered professional engineer authorized by law to certify elevation information data, hydrologic and hydraulic analysis, and any other supporting information as per NFIP regulations paragraph 65.10(e) and as described in the MT-2 Forms Instructions. All documents submitted in support of this request are correct to the best of my knowledge. I understand that any false statement may be punishable by fine or imprisonment under Title 18 of the United States Code, Section 1001.

Certifier's Name: _____ License No.: _____ Expiration Date: _____

Company Name: Telephone No.: _____ Fax No.: _____

Signature: _____ Date: _____ E-mail Address: _____

CERTIFICATION OF THE LEVEE DOCUMENTATION

Flooding Source: _____

Name of Structure: _____

If there is any indication from historical records that sediment transport (including scour and deposition) can affect the Base Flood Elevation (BFE); and/or based on the stream morphology, vegetative cover, development of the watershed and bank conditions, there is a potential for debris and sediment transport (including scour and deposition) to affect the BFEs, then provide the following information along with the supporting documentation:

Sediment load associated with the base flood discharge: Volume _____ acres-feet

Debris load associated with the base flood discharge: Volume _____ acres-feet

Sediment transport rate _____ (percent concentration by volume)

Method used to estimate sediment transport: _____

Most sediment transport formulas are intended for a range of hydraulic conditions and sediment sizes; attach a detailed explanation for using the selected method.

Method used to estimate scour and/or deposition: _____

Method used to revise hydraulic or hydrologic analysis (model) to account for sediment transport: _____

Please note that bulked flows are used to evaluate the performance of a structure during the base flood; however, FEMA does not map BFEs based on bulked flows.

If a sediment analysis has not been performed, an explanation as to why sediment transport (including scour and deposition) will not affect the BFEs or structures must be provided.

APPENDIX F

ENVIORNMENTAL STUDY

Russell R. McMurry, P.E., Commissioner
One Georgia Center
600 West Peachtree NW
Atlanta, GA 30308
(404) 631-1990 Main Office

August 19, 2022

Acting Georgia Field Supervisor
U.S. Fish & Wildlife Service, Georgia Ecological Services
RG Stephens Jr. Federal Building
355 East Hancock Avenue, Room 320
Athens, GA 30601
ATTN: Laci Pattavina

Sabrina David, Georgia Division Administrator
Federal Highway Administration
Atlanta Federal Center
61 Forsyth Street, S.W., Suite 17T100
Atlanta, Georgia 30303-3104
ATTN: Jessica Granell

Re: Action Request: No Coordination Required
GDOT Project PI# 0016053, DeKalb County

Dear Acting Georgia Field Supervisor and Ms. David,

Please find attached the Ecology Resource Survey and Assessment of Effects Report for the above referenced project. The proposed project would construct a 14-foot wide concrete shared-use path, part of the existing Peachtree Creek Greenway shared-use path, from North Druid Hills Road to the Brookhaven and Atlanta City limit line. As the Federal Highway Administration's designated non-federal representative, the Department provides the attached report containing details on findings related to ecological resources and has made the following determinations.

FWCA - **Action Request: No coordination required**
FWCA is not required because all impacts to eligible water resources result in less than 100 feet or 0.1 acre of permanent impact, consistent with Category 3 in the *January 2021 Joint Coordination Procedures' (JCP) Fish and Wildlife Coordination Act SOP*.

"No Effect" - **Action Request: No coordination required**
The following species have a "no effect" determination: Michaux's sumac (*Rhus michauxii*).
The proposed action is not likely to jeopardize the continued existence of the monarch butterfly (*Danaus plexippus*).

Please copy the Lead Federal Agency, GDOT Ecologist, and GDOT Environmental Analyst assigned to the project on any correspondence. If you have any questions or need additional information, please contact GDOT Ecologist Alanna James at 404-631-1537

(ajames@dot.ga.gov) or GDOT Ecology Team Leader Matt Carroll at 404-631-1174 (mcarroll@dot.ga.gov).

Sincerely,

Eric Duff /mc

Eric Duff
State Environmental Administrator

ED/MC/qh

Enclosure:
cc:

Felicia Basolo, GDOT PM
Jerry Guo, GDOT Environmental Analyst (jguo@dot.ga.gov)
Daryl Williams, GDOT ECB
Lisa Westberry, GDOT Mitigation
EPD-GDOT Inbox (epd.gdot@dnr.ga.gov)
Anna Yellin, GADNR
Eric Somerville, EPA
GDOT IOEQ Inbox (IOEQsubmittals@dot.ga.gov)
Quinn Hiers, EPEI

Ecology Resource Survey and Assessment of Effects Report:

Peachtree Creek Greenway Trail from Atlanta to North Druid Hills Road – Phase II

DeKalb County

PI No. 0016053

August 2022

Prepared by: Edwards-Pitman Environmental, Inc.

Under Contract With: Heath & Lineback Engineers, Inc.

Prepared for: Georgia Department of Transportation

Report Author:

Quinn Hiers, Ecologist

Consultant Reviewer:

Collin Lane, Ecology Group Manager

GDOT Reviewer:

Alanna James, GDOT Ecologist

CATEGORICAL EXCLUSION

DeKalb County
P.I. No. 0016053

Peachtree Creek Greenway Trail
from Atlanta to North Druid Hills Road – Phase II

ENVIRONMENTAL COMMITMENTS TABLE
LET Sponsor: Local LET, signature required_____
PI#: 0016053 County: DeKalb

Date Updated: 2/16/2023 | Stage: ROW Authorization
Transmittal Date for Plans Reviewed by OES (if applicable): 6/6/2022

Review
If no commitments, NEPA may approve for all.

The GDOT project manager (PM) and their manager asserts that these commitments are feasible.
*GDOT PM (Name & Initials):*_____
*GDOT PM's Manager (Name):*_____
GDOT PM's Manager (Signature/Date):_____

The engineer of record (EOR) asserts that plans incorporate or will incorporate commitments if applicable.
*EOR:*_____
*Signature/Date:*_____

*Air/Noise:*_____ *Arch:*_____
*Eco:*_____ *Hist:*_____
*NEPA:*_____

A. Resources to be Delineated on the Plans and/or Listed in the Environmental Resource Impact Table (ERIT)

Resource Name		*Permitted Construction Activity*	*Refer to*	*Name and Date of Report or Transmittal*	*Correctly Shown?*	
					Plan Sheet	*ERIT*
A-1	Perennial Stream (PS) 1 (North Fork Peachtree Creek)	121 linear feet / 0.05 acre temporary fill	D-2, D-4	Ecology AOE 8.19.2022	Yes	Yes
A-2	PS 1 Buffer	Non-exempt impacts include clearing and grubbing, fill slopes, and installation of OBF and silt fencing	D-3	"	"	"
A-3	PS 2	No activity	-	"	"	"
	PS 2 Buffer	Non-exempt impacts include fill slopes, wall construction, clearing and grubbing, and installation of OBF and silt fencing	D-3	"	"	"
A-5	Intermittent Stream (IS) 3	No activity	-	"	"	"
A-6	IS 3 Buffer	Non-exempt impacts include clearing and grubbing, boardwalk construction, and installation of OBF and silt fencing	D-3	"	"	"
A-7	The Palmer House	No activity	-	History AOE 8.5.2022	"	"
A-8	Listed Species	Floodway fill for trail structure and tree clearing for trail construction	B-1	Ecology AOE 8.19.2022	No	"

B. Special Provisions (Attach all special provisions with transmittal letters to the commitments table, if available)

Special Provision		*Purpose*	*Est. Cost*	*SP's Latest Date*
B-1	107.23H	For Protection of Listed Species	Negligible	8.19.22

C. ERIT Comments and Design Features (Description: For ERIT Comments, provide exact wording for the comments section of the ERIT)

ERIT Comment or Design Feature		*Description*	*Est. Cost*	*Correctly Shown?*
-	None	-	-	-

Estimated Costs are for planning purpose only, in current dollars as of date updated.

ENVIRONMENTAL COMMITMENTS TABLE
LET Sponsor: Local LET, signature required_____
PI#: 0016053 County: DeKalb

Date Updated: 2/16/2023 | Stage: ROW Authorization
Transmittal Date for Plans Reviewed by OES (if applicable): 6/6/2022

D. Necessary Permits, Buffer Variances and Mitigation Credits

Permit, Variance, etc.		*Add'l Info (permit expiration date, number of credits needed, etc…)*	*Est. Cost*	*Acquired?*
D-1	Notice of Intent (NOI) for NPDES	The Office of Bidding Administration and Construction Contractor will submit a NOI to the NPDES General Permit following award of the contract but prior to construction	Negligible	Will be acquired following letting
D-2	Nationwide 33 404 Permit	Expires TBD	"	No – Will be acquired prior to letting
D-3	Buffer Variance	Criterion 2(a) impacts to PS 1, PS 2, and IS 3 buffers	"	No – Will be acquired prior to letting
D-4	Stream Mitigation	45.38 (2018) or 544.5 (legacy)	$49,005	No – Will be acquired prior to letting

E. Other Commitments or Requirements **(Status: Pre- and Post – Complete or Incomplete; During – Signature Req'd)**

Pre-, During, or Post		*Commitment*	*Responsible party*	*Est. Cost*	*Status*
E-1	Preconstruction	Coordination with USFWS under Section 7 of the Endangered Species Act on effect determination for Tricolored bat	GDOT OES	Negligible	Incomplete – Will be acquired prior to let
E-2	Preconstruction	Obtain Conditional Letter of Map Revision (CLOMR) from FEMA due to fill impacts to regulatory floodway of North Fork Peachtree Creek	City of Brookhaven	Negligible	Incomplete – Will be acquired prior to let
E-3	Preconstruction	Conduct Community Outreach as a condition of the Hydrology and Hydraulics Study indicating a CLOMR is required	City of Brookhaven	Negligible	Incomplete – Will be acquired prior to let

Total Estimated Cost	$49,005

If Project is Complete or Under Construction, Area or Construction Engineer affirms that all Special Provisions, Plan Notes and During Construction Commitments were or are being adhered to during the project's construction.

Please Print Name and Title: _____ *Signature*: _____ Date: _____ *Please provide an explanation if unable to sign.*

Estimated Costs are for planning purpose only, in current dollars as of date updated.

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

SPECIAL PROVISION
DeKalb County
P.I. No. 0016053

Section 107—Legal Regulations and Responsibility to the Public

Add the following to Subsection 107.23:

H. Protection of Ecological Resources

The following conditions are intended as a minimum to protect this species and its habitat during any activities that are in close proximity to the known location(s) of this species.

1. All Project personnel shall be advised about the potential presence and appearance of the state protected Chattahoochee crayfish (*Cambarus howardi*). Suitable habitat for the Chattahoochee crayfish is present within Perennial Stream 1 (PS 1 [North Fork Peachtree Creek]). All personnel shall be advised that there are civil and criminal penalties for harassing, harming, pursuing, hunting, shooting, wounding, killing, capturing, or collecting of the above species in knowing violation of the Georgia Endangered Wildlife Act of 1973. Pictures and habitat information shall be posted in a conspicuous location in the Project field office until such time that Project activity has been completed and time charges have stopped. In addition, the Contractor shall be responsible for maintaining one set of pictures and habitat information on the Project site that is easily accessible at all times. If a Project field office is not present, a copy of the pictures and habitat information shall be supplied to the Project personnel to be kept on the Project during construction activities.

2. Erodible stockpiled materials and excavation spoil shall be placed at least 200 feet away from streams, if feasible. If stockpiled materials and excavation spoil cannot be placed 200 feet away from streams then these materials shall be placed at the maximum distance possible from all waters present within the project area. All disturbed soil located within 200 feet of the stream shall be mulched daily or covered with erosion control mats until work in such areas has been completed. If mulch is necessary, mulch with tackifiers or soil stabilizers that are anionic, non-oil based (e.g., granular PAM) shall be used to reduce turbidity and increase longevity. Erosion and sediment control devices (e.g., compost filter socks or silt fence) shall be installed around erodible stockpiles within 200 feet of the stream.

3. Within 200 feet of the stream, secondary containment and spill response procedures shall be provided on site for all heavy equipment to prevent the spread of pollutants during oil changes, refueling, and equipment maintenance. When feasible, mineral based hydraulic fluids shall be replaced with synthetic biodegradable hydraulic fluid.

4. Fertilizers shall be applied in a manner that minimizes the potential for excess fertilizer to runoff into nearby streams.

5. In the event an incident occurs that causes injury to the above species along the Project, the Contractor shall report the incident immediately to the Engineer who in turn will notify the State Environmental Administrator, Georgia Department of Transportation, Office of Environmental Services at (404) 631-1101. With the exception of traffic control and erosion control, all activity shall cease pending consultation by the Georgia Department of Natural Resources Wildlife Resources Division and the Federal Highway Administration.

6. The Contractor shall keep a log detailing any incidents that cause harm or injury to the above species on or adjacent to the Project until such time that Final Acceptance of the Project is made. Following Project completion, the log and a report summarizing any incidents that caused harm to this species shall be submitted by the Contractor to the Engineer, and via email to the GDOT Office of Environmental Services (ecology_submittals@dot.ga.gov). This email shall be formatted with the title "Incident Log: PI No. 0016053." GDOT in turn will provide copies of the report to the Georgia Department of Natural Resources Wildlife Resources Division and the Federal Highway Administration.

7. All costs pertaining to any requirement contained herein shall be included in the overall bid submitted unless such requirement is designated as a separate Pay Item in the Proposal.

PI#: 0016053, County: Fulton

I. General Information

Project Name: Peachtree Creek Greenway Trail from Atlanta to North Druid Hills Road – Phase II			
Project Number: NA			
GDOT District #: 7	*STIP/TIP #*: DK-381	*Funding Codes*: Z301, Z230, Y301, LOC	
Funded Years	*Right of Way*: 2023	*Construction*: 2025	
Project Limits: The proposed project is located in the city of Brookhaven and begins at the Atlanta city limit and ends at the existing trailhead at North Druid Hills Road, a distance of approximately 1 mile.			
Project is on the C list: (c)(3) Construction of bicycle and pedestrian lanes, paths, and facilities. *or* *Project is on the D list:* NA			

Prepared By: Josh Earhart — February 17, 2023

Josh Earhart
Sr. NEPA Planner
Edwards-Pitman Environmental, Inc.

Date

Reviewed By: _____ _____

Jerry Guo
NEPA Analyst
Georgia Department of Transportation

Date

Concurred By: _____ _____

Eric Duff
State Environmental Administrator
Georgia Department of Transportation

Date

Approved By: _____ _____

Sabrina David, AICP
Division Administrator
Federal Highway Administration

Date

II. Need and Purpose: See Attachment 1 – Effects Evaluation

III. Project Description: See Attachment 1 – Effects Evaluation

IV. Class of Action – Categorical Exclusion (CE)

A. Actions Requiring Concurrences Prior to CE Approval (See Attachment 2 for concurrences, if applicable)	***Yes***	***If yes, date of concurrence****
Section 106/Assessment of Effects (SHPO Concurrence)	☒	8/5/2022
Section 106/Memorandum of Agreement (Agencies' Concurrence)	☐	
Draft Individual Section 4(f) Evaluation (Final submitted with CE)	☐	
De Minimis Acknowledgement/Requirements	☒	1/23/2023
Protected Species/No Effect	☒	8/19/2022
Protected Species/Section 7 Consultation with USFWS	☐	
Protected Species/Section 7 Consultation with NMFS	☐	

Essential Fish Habitat Coordination with NMFS	☐	
FWCA/USFWS Coordination	☐	
USCG Navigable Water Determination	☐	

*Add all dates of concurrences, if more than one concurrence was provided through the project's development.

B. *Public Involvement*
A public information open house was held on 12/6/2021. See Attachment 1 for a discussion and Attachment 3 for the open house materials.

V. Effects Evaluation

Effects Evaluation categories are defined as follows: (1) *Involvement*: a resource is affected by the proposed project (e.g., the project impacts a wetland); (2) *No Involvement*: A resource is within the Area of Potential Effect, but the project would not affect the resource (e.g., a wetland is located in the project area but is not impacted by the project). (2) *None*: The resource does not exist within the Area of Potential Effect (e.g., no wetlands are located in the project area). If *None*, no discussion of the resource is required except in the case of communities. For communities, the fact the field survey revealed no communities must be discussed.

Please note that the Effects Evaluation provided in this Categorical Exclusion is intended to be a summary document. Most of the resource and impact information is taken from more detailed specialist reports that can be obtained by contacting the Georgia Department of Transportation Office Environmental Services at (404) 631-1100.

A. Social Environment	**Evaluation**	**Attachments**
1. Land Use Changes	Involvement	1
2. Title VI	No Involvement	1
3. Environmental Justice (E.O. 12898) /Communities	No Involvement	1
4. Relocation Potential	None	
5. Churches, Cemeteries, and Institutions	None	
6. Parks, Recreation Areas, and Wildlife Refuges	None	
7. Public Controversy Potential	None	
8. Public Involvement	Involvement	1,3
9. Economic Impacts	None	
10. Other	None	

B. Cultural Environment	Evaluation	**Attachments**
1. Historic Sites	No Involvement	1,2
2. Archaeological Sites	None	
3. Other	None	

C. Natural Environment	**Evaluation**	**Attachments**
1. Waters of the US/State Waters	Involvement	1,2
2. Water Quality/303(d) List	No Involvement	1,2
3. Wild and Scenic Rivers	None	
4. Essential Fish Habitat	None	
5. Floodplains	Involvement	1
6. Farmland	None	
7. Protected Species	Involvement	1,2

PI#: 0016053, County: Fulton

C. Natural Environment	Evaluation	Attachments
8. Invasive Species	Involvement	1,2
9. Wildlife and Habitat	None	
10. Other	None	

D. Physical Environment	Evaluation	Attachments
1. Noise Assessment	No Involvement	2
2. Air Assessment	No Involvement	1,2
3. Energy/Mineral Resources	None	
4. Underground Storage Tanks/Hazardous Waste	No Involvement	1,2
5. Other	None	

E. Permits/Variances/Commitments Required	Required?	Attachments
1. CWA USACE Section 404 Permit	Yes, See C.1.	1
2. GEPD Buffer Variance	Yes, See C.1.	1
3. 404 and/or Buffer Mitigation Needed	Yes, See C.1.	1
4. Tennessee Valley Authority Permit	No	
5. Coastal Zone Management Coordination	No	
6. Cemetery Permit	No	
7. NPDES	Yes	1
8. U.S. Coast Guard	No	
9. Forest Service/USACE Land (Section 408)	No	
10. Other	No	

F. Section 4(f) Applicability	Applicable?	Attachments
1. *De Minimis*	Yes	1,2
2. Programmatic	No	
3. Individual	No	
4. Historic Bridge Applicability and Marketing	NA	
5. Section 6(f) Applicability	No	

See the **Environmental Commitments Table** that accompanies this document for a list of the environmental commitments resulting from the evaluation listed above.

Attachments appear in the following order:

1. Effects Evaluation
2. Correspondence
3. Public Involvement Materials

Attachment 1
Effects Evaluation

Attachment 1 – Effects Evaluation

II. Need and Purpose:

There are gaps within the Atlanta Regional Commission's (ARC) identified regionally significant trail systems, including the Peachtree Creek Greenway. These gaps in the trail network deprive Brookhaven residents with close-to-home and close-to-work access to bicycle and pedestrian trails, commuting alternatives, and opportunities for recreation, quality of life, and sustainable economic growth. The planned Peachtree Creek Greenway Phase II would complete one of these gaps and continues the Peachtree Creek Greenway from the existing Phase I trail head at North Druid Hills Road south/west to the Brookhaven and Atlanta City limit line, which is the endpoint for the proposed Peachtree Creek Greenway Trail Phase III.

The Peachtree Creek Greenway would cater to and enrich not only the immediate community of Brookhaven, but areas beyond as part of a larger regional network of shared-use paths, tying into the Atlanta BeltLine and PATH400 shared-use paths, ultimately connecting to Emory University, Morehouse College, and on to the Gwinnett trails system. Completing Phase II of the Peachtree Creek Greenway Trail would provide the potential economic, commuter, and recreatonal opportunities currently lacking due to the gaps in the trail network.

III. Project Description:

Existing Facility: The are no existing shared-use path or sidewalks in the area proposed for improvements.

Proposed Project: The Georgia Department of Transportation (GDOT) project PI. No. 0016053 is Phase II of the proposed Peachtree Creek Greenway shared-use path, specifically between the Brookhaven and Atlanta City limit line and the existing Phase I trailhead at North Druid Hills Road. Phase II would consist of a 14-foot wide concrete shared-use path and would be approximately 1-mile of the overall proposed 12.3-mile Peachtree Creek Greenway length. In addition to the shared-use path, the project would include several walls, boardwalks, and a bridge.

Phase II of the proposed Peachtree Creek Greenway begins at the City of Atlanta/Brookhaven limits (where the future expansion of the Peachtree Creek Greenway is planned) and follows the North Fork Peachtree Creek on the south side behind the Rio at Lenox Apartments. Because the City of Atlanta's planned segment of the Peachtree Creek Greenway to the west is not complete, a connecting trail from Phase II would be constructed beginning behind the Latin American Association building and ending at Buford Highway's existing sidewalks. The Greenway continues to follow the creek underneath Buford Highway NE using the end span of an existing bridge over North Fork Peachtree Creek. The Greenway continues along the south side of the creek adjacent to West Druid Hills Drive, underneath the existing North Druid Hills Road NE bridge over North Fork Peachtree Creek and then connects with the existing terminus of the Peachtree Creek Greenway (Phase I) at North Druid Hills Road NE near The Salvation Army Atlanta Temple Corps. See Figure 1 for a project location.

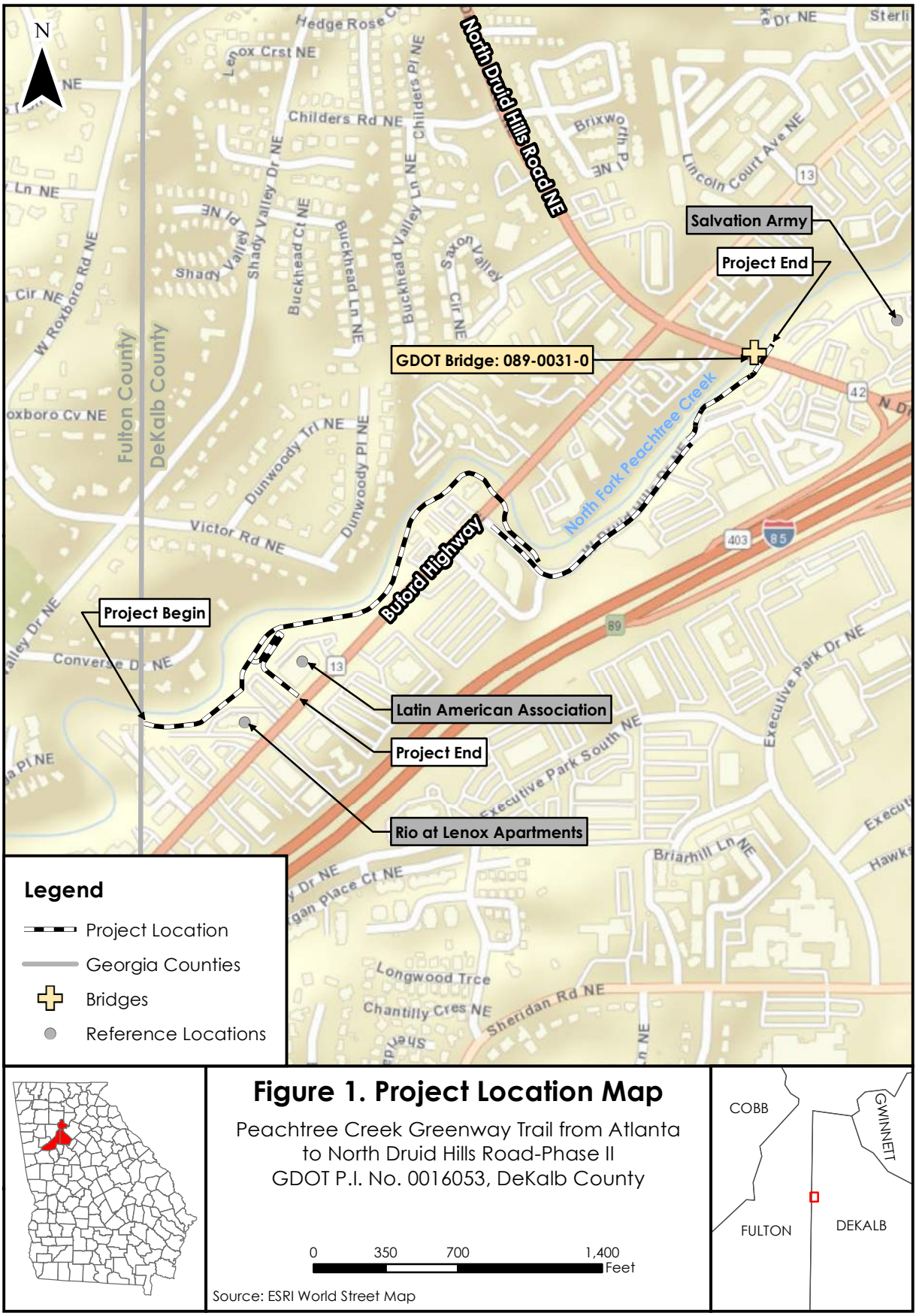


Figure 1. Project Location Map

Peachtree Creek Greenway Trail from Atlanta to North Druid Hills Road-Phase II
GDOT P.I. No. 0016053, DeKalb County

Source: ESRI World Street Map

A. Social Environment

1. Land Use Changes

The project area consists of undeveloped areas of trees and vegetation along North Fork Peachtree Creek. The proposed project would not require acquisition of right-of-way (ROW) but would require approximately 5.0 acres of permanent easement and 3.86 acres of temporary easement for construction from the undeveloped natural areas, located between heavily developed areas along Buford Highway and North Fork Peachtree Creek. Conversion of these areas to easement for the project is not anticipated to stimulate future growth or change future land use plans.

2. Title VI

Title VI of the Civil Rights Act of 1964 protects individuals from discrimination on the grounds of race, age, color, religion, disability, sex, and national origin. A Public Information Open House (PIOH) was held for the project and included project information, handouts, and comment cards in both English and Spanish. The city maintains a project website that will remain on the city's website until the project's conclusion. The website contains information in both English and Spanish, and directions for leaving comments about the project. Announcement of the meeting was sent out through city social media pages, the Brookhaven Blast newsletter, and advertised in both English and Spanish local newspapers. Section A.8, Public Involvement contains more information about public involvement efforts and copies of information and handouts are in included in Attachment 3.

3. Environmental Justice (EO 12898)/Communities

Directives are included in EO 12898, Federal Actions to Address Environmental Justice in Minority and Low-Income Populations. The EO directs federal agencies to take appropriate and necessary steps to identify and address disproportionately high and adverse effects of Federal projects on the health or environment of minority and low-income populations to the greatest extent practicable and permitted by law. The guidance directs FHWA to:

- Ensure meaningful opportunities for all potentially affected communities in the transportation decision-making process;
- Avoid, minimize, or mitigate disproportionately high and adverse human health or environmental effects, including social and economic effects, on minority or low-income populations; and
- Fully evaluate the benefits and burdens of transportation programs, policies, and activities on low-income and minority populations.

A "disproportionately high and adverse effect" on minority and low-income populations mean an adverse effect that:

- Is predominately borne by a minority and/or low-income population; or
- Will be suffered by the minority and/or low-income population and is appreciably more severe or greater in magnitude than the adverse effect that will be suffered by the non-minority and/or low-income population.

The proposed project would not have direct or indirect adverse effects on communities. Although located in an area of Brookhaven that is developed with commercial, retail, and residential uses, the project location is in areas that are not currently developed, and would not be due to close proximity to North Fork Peachtree Creek, as confirmed by a windshield field survey. However, residences and communities would incur no ROW impacts, suffer no displacements, experience no changes in access, nor incur any other readily identifiable direct effects. Neither would the project induce development or traffic changes that might encroach on communities and indirectly affect their quality of life. No residences are within the viewshed of the proposed bridge, and, hence, no visual adverse effects would occur. The public and nearby communities would generally derive benefits from the shared-use path with increased access to recreational activities, connectivity between residential and community resources, and employment opportunities.

Public involvement further supports the no adverse determination. At the PIOH held for the project, no comments expressed concerns about community or residential impacts; rather, the main concerns were for providing design to accommodate multiple recreational uses, general safety concerns and patrol by Brookhaven Police Department, accelerating project schedule, and connecting the trail to subdivisions on the other side of North Fork Peachtree Creek.

A review of the American Census Survey data from 2021 shows that the census tract that encompasses the project, Tract 214.15, is approximately 36.5 percent minority and 6.3 percent low income, compared to approximately 68.4 percent minority and 8.4 percent low income for DeKalb County, and 45.8 percent minority and 9.9 percent low income for Georgia (see Tables 1-3 below). These percentages qualify the tract as the site of EJ populations. However, none of the residences that directly border the project corridor were readily identifiable as low income or minority and, as noted, adverse community effects to any type of community or population are absent. Hence, the project would not have disproportionally high and adverse effects to minority and low income populations

Table 1 – Population by Race

	Total Population	White	Black	American Indian or Alaskan Native	Asian	Native Hawaiian & Pacific Islander
Georgia	10,356,895	5,808,132 (56.1%)	3,240,362 (31.3%)	33,754 (0.3%)	438,321 (4.2%)	6,752 (<0.1%)
DeKalb County	745,752	242,827 (32.6%)	395,164 (53.0%)	6,140 (0.8%)	45,304 (6.1%)	624 (<0.1%)
Census Tract 214.15	3,979	2,583 (64.9%)	409 (10.3%)	60 (1.5%)	401 (10.1%)	0 (0%)

Source: 2021: ACS 5-Year Estimates Table S1701

Table 2 – Hispanic or Latino Origin Population

	Total Population	Hispanic or Latino
Georgia	10,356,895	1,024,826 (9.9%)
DeKalb County	745,752	62,851 (8.4%)
Census Tract 214.15	3,979	579 (14.6%)

Source: 2021: ACS 5-Year Estimates Table S1701

Table 3 – Population by Poverty

	Total Population	Number Below Poverty Level	Percent Below Poverty Level
Georgia	10,238,369	1,441,351	13.9%
DeKalb County	745,752	100,699	13.5%
Census Tract 214.15	3,979	251	6.3%

Source: 2021: ACS 5-Year Estimates Table S1701

8. Public Involvement

An in-person PIOH was held for the project on December 6, 2021 at the Latin American Association building located along the project corridor. Due to the Hispanic population that lives near the project corridor, advertisements and information for the PIOH were provided in both English and Spanish. There were also two translators present during the in-person meeting. Advertisements for the meeting were placed in both English language (The Champion) and Spanish language (Mundo Hispanico) local newspapers, as well as through the city's social media outlets and city newsletter (The Brookhaven Blast). The city maintains a project website that includes information in both English and Spanish that can be accessed to leave comments during the PIOH comment period and throughout the life of the project.

Of the 40 people that attended in person and the 384 people who viewed the information on the project website during the comment period, 30 comments were received. Of the comments received all expressed support for the project, and none were opposed, uncommitted, or expressed conditional support. A response letter prepared by the City of Brookhaven was sent via email to all those who left an email address on May 6, 2022, and the letter is also posted on the project's website.

Copies of materials provided at the PIOH, comments, and response information is included in Attachment 3.

B. Cultural Environment

In compliance with Section 106 of the National Historic Preservation Act of 1966 and amendments thereto, the proposed project corridor has been surveyed for archaeological and historic resources, especially those on or eligible for inclusion in the National Register of Historic Places (NRHP). The survey boundary and methodology were established using the Georgia Department of Transportation (GDOT)/Federal Highway Administration (FHWA) Cultural Resource Survey Guidelines. These guidelines were established as a result of past interaction with the State Historic Preservation Officer (SHPO) and their staff and were agreed upon by FHWA and the SHPO.

As a result of the survey efforts, one historic property and no archeological sites considered eligible NRHP resources were identified within the proposed project's area of potential effect (APE) (see Figure 2, Environmental Resources Location Map).

1. Historic Sites

The Palmer House is a Rambling Ranch House in Contemporary style located on the north side of North Fork Peachtree Creek, across from the proposed alignment of the Peachtree Creek Greenway Trail. The resource possesses a local level of significance in the area of architecture and representative example of a Rambling Ranch House. The eligible NRHP boundary of the resource is approximately 0.7 acre.

Because the resource is located on the opposite side of the proposed trail alignment, no ROW or easement for construction would be required from the resource. The SHPO concurred on the eligibility of the resource on July 16, 2021, and on a No Effect determination on August 5, 2022. See correspondence in Attachment 2.

C. Natural Environment

1. Waters of the U.S./State Waters

The proposed project corridor has been surveyed for Waters of the U.S. and State Waters under the Clean Water Act, Executive Order 11990, Georgia Erosion and Sedimentation Act, and other federal and state regulations. As a result of the survey efforts, no wetlands, three streams, and no open waters were identified in the proposed project corridor. Figure 2, Environmental Resources, shows the locations of all identified waters.

a. Streams

Three streams were identified in the project corridor during field surveys. These streams exhibited a defined channel and showed evidence of water flow at times other than major storm events. Table 4 on page 8 describes the streams identified along with the area of impact anticipated by implementation of the preferred alternative.

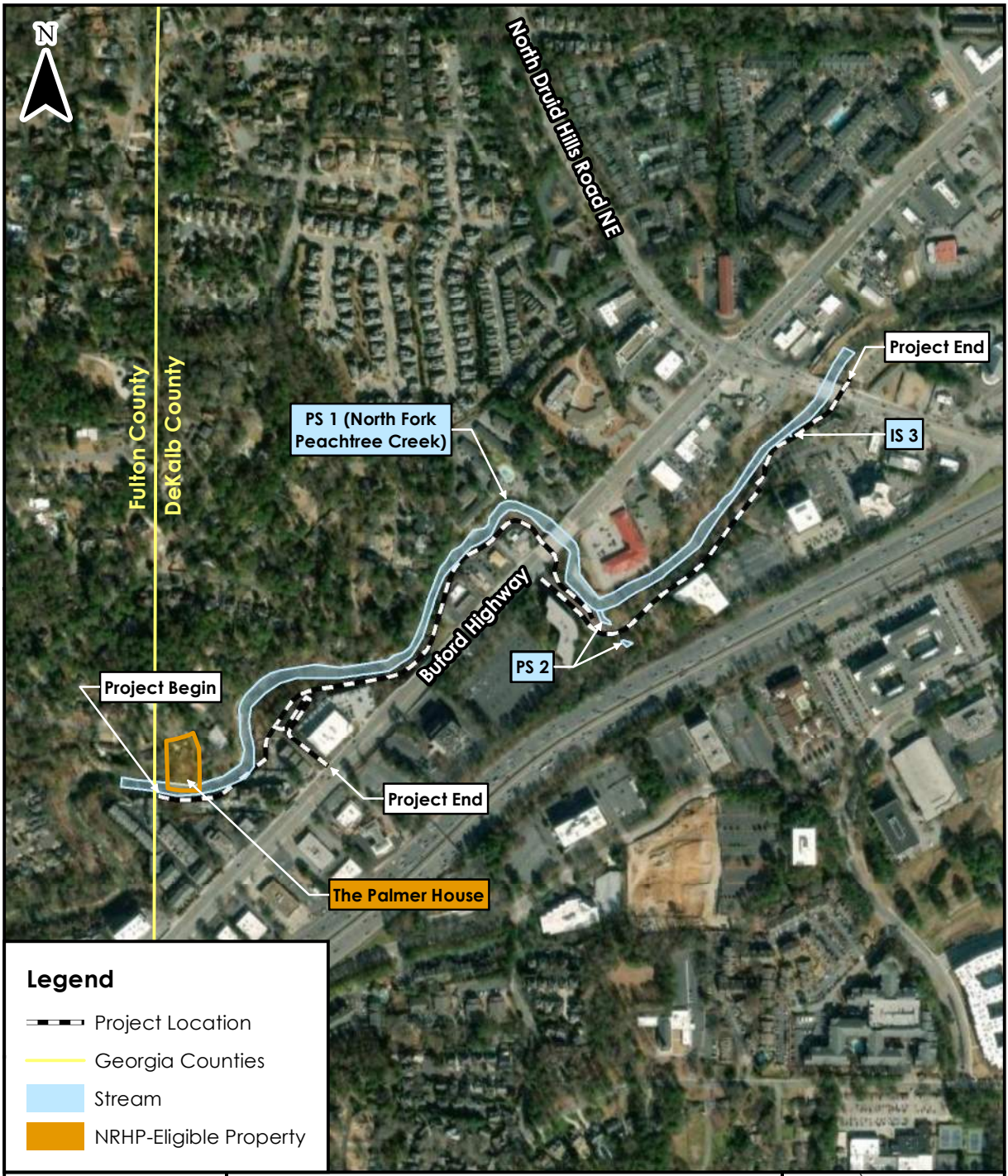


Figure 2. Environmental Resource Map

Peachtree Creek Greenway Trail from Atlanta to North Druid Hills Road-Phase II
GDOT P.I. No. 0016053, DeKalb County

0 350 700 1,400 Feet

Source: ESRI World Imagery

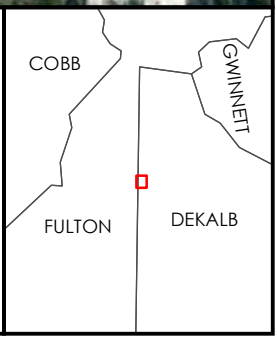


Table 4: Summary of Stream Impacts

Stream Site	Type	Stream Description	On 303(d) List?	Length of Temporary Impact (feet)	Length of Permanent Impact (feet)
PS-1	Perennial	50 feet wide by 6 feet deep bankfull dimensions, with a silt, sand, gravel, and cobble substrate	Yes	121	0
PS-2	Perennial	25 feet wide by 5 feet deep bankfull dimensions, with a silt, sand, gravel, and cobble substrate. Flows south to north into PS-1	No	0	0
IS-3	Intermittent	4 feet wide by 1.5 feet deep bankfull dimensions, with a silt, sand, and rip rap substrate. Flows southeast to northeast into PS-1.	No	0	0
Totals				121	0

b. Avoidance and Minimization

This project would be expected to produce some increased siltation during the construction phase. Environmental harm would be minimized by standard construction erosion and sedimentation control devices. Measures to minimize harm to wetlands, water quality, wildlife, and fish and game habitat include:

1) Preservation of roadside vegetation beyond the limits of construction where possible;
2) Early revegetation of disturbed areas so as to minimize soil erosion;
3) The use of slope drains, detention/retention structures, surface, subsurface and cross drains, designed as appropriate or needed, so that discharge would occur in locations and in such a manner that surface and subsurface water quality would not be affected (the outlets may require aprons, bank protection, silt basins, and energy dissipaters);
4) Inclusion of construction features for the control of predicted erosion and water pollution in the plans, specifications, and control pay items (GDOT Standard Specification 715 identifies the pollution control measures which may be used);
5) The dumping of chemicals, fuels, lubricants, bitumens, raw sewage, or other harmful wastes into or alongside streams or impoundments, or into natural or manmade channels leading thereto, would be prohibited.

c. Mitigation

Unavoidable losses will be mitigated by debiting credits from a GDOT-owned mitigation bank or through the purchase of credits from a US Army Corps of Engineers (USACE) approved bank serving hydrologic unit code (HUC) 0313000112. A total of 45.38 2018 or 544.50 legacy stream mitigation credits are required as a consequence of constructing the proposed project.

2. Water Quality/303(d) List

Provisions in the construction contract would require the contractor to exercise every reasonable precaution during construction to prevent the pollution of streams in the project vicinity. Where possible, early re-vegetation of disturbed areas would be completed to hold soil movement to a minimum. Dumping of chemicals, fuels, lubricants, bitumen, raw sewage, or other harmful wastes into or alongside streams or impoundments, or natural or manmade channels leading thereto, would be prohibited.

Additional contract provisions would require the use of temporary erosion control measures as shown on the construction plans or as deemed necessary during construction. These temporary measures may include the use of berms, dikes, dams, sediment basins, fiber mats, netting, gravel, mulches, grasses, slope drains, and other erosion control devices or methods, as applicable. These provisions are coordinated with the permanent erosion control features as practical to assure economical, effective, and continuous erosion control throughout the construction and post-construction periods and are in accordance with the 23 CFR, Part 650, Subpart B.

5. Floodplains

According to the Federal Emergency Management Authority (FEMA) Flood Insurance Rate Map (FIRM) Panels 13089C0053K and 54K (August 15, 2019), the proposed project is located within the regulatory floodway of North Fork Peachtree Creek (Zone AE) (see Figure 4). Zone AE regulatory floodways are areas where detailed analysis has determined the base flood elevation (BFE). FEMA regulations require that all prudent and feasible efforts be undertaken to avoid any increase in floodway widths, floodway elevations, or floodplain BFEs for Zone AE floodplains with regulatory floodways. Construction of the proposed Peachtree Creek Greenway, Phase II would require approximately 3200 cubic yards of fill within the regulatory floodway. In some areas of the proposed alignment, the area available for construction is a narrow strip of land between developed properties and North Fork Peachtree Creek. With the combination of the narrow areas available for construction and steep banks of the creek, some sections of the proposed trail extend out into the creek, requiring fill within the floodway for supports of the elevated structures. Results of a Hydrologic and Hydraulic Study (H&H Study) concluded that fill required for the project would raise BFE by at least one foot, and preparation of a Conditional Letter of Map Revision (CLOMR) for approval by FEMA is required but has not been approved (see Attachment 2). In addition to FEMA coordination, community coordination is also required. Approval of the CLOMR and community coordination will be completed before project Let.

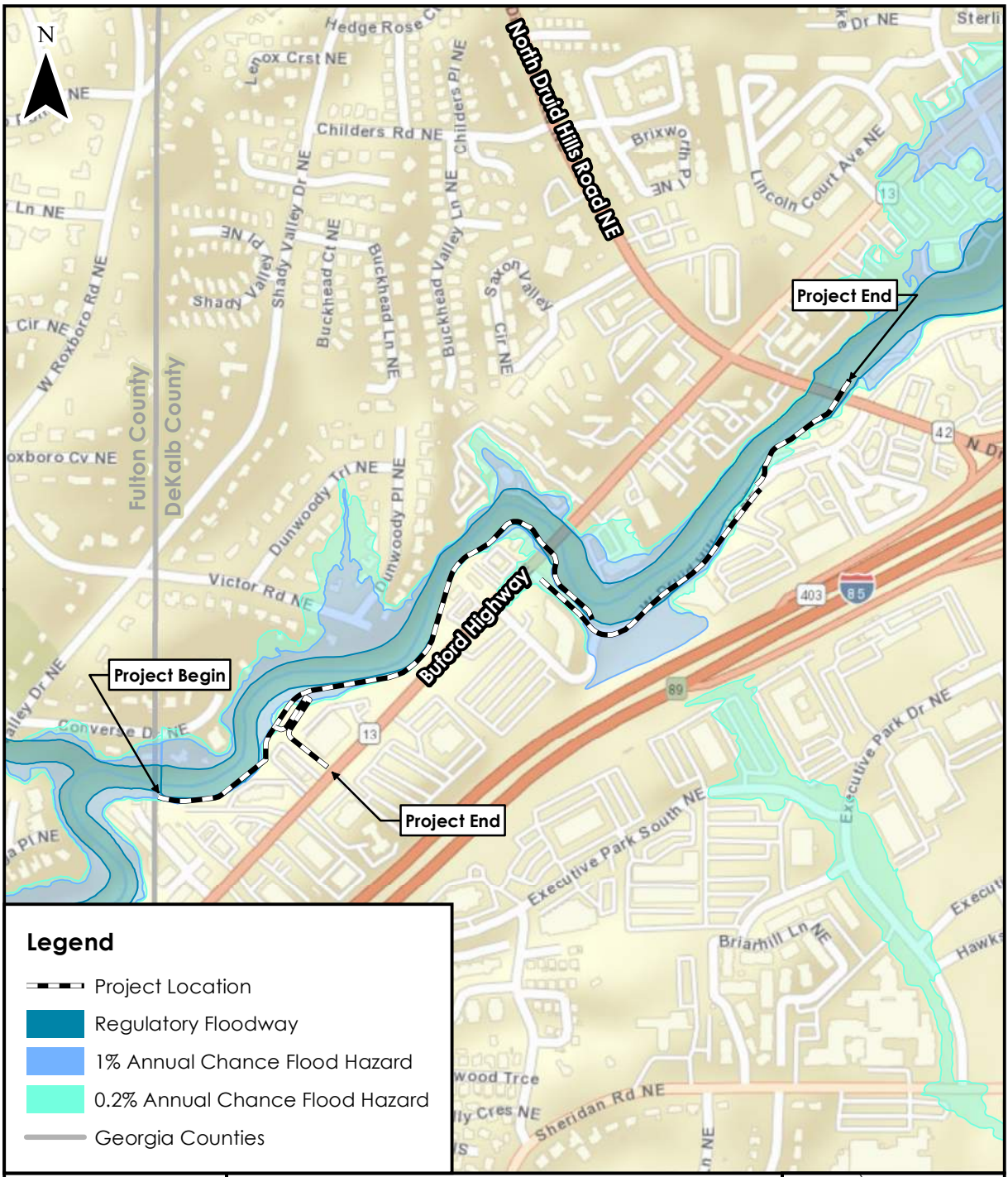
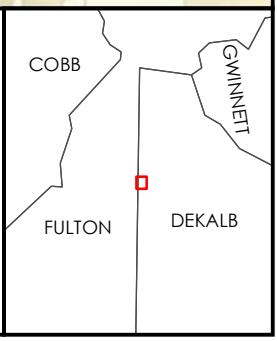


Figure 3. Floodplain Map

Peachtree Creek Greenway Trail from Atlanta
to North Druid Hills Road-Phase II
GDOT P.I. No. 0016053, DeKalb County

0 350 700 1,400 Feet

Source: ESRI World Street Map



7. Protected Species

Per the June 24, 2003, Endangered Species Act Joint Coordination Procedures (JCP), as amended in January 2021, the proposed project is of the type listed in Appendix A of the JCP and, therefore, will have no effect on federally listed species or habitat. If the Ecology Report does not explicitly identify the project as "of the type listed in Appendix A of JCP," use the following template:

The Georgia DOT has reviewed the U.S. Fish and Wildlife Service (USFWS) Information for Planning and Consultation (IPaC) monthly update of Threatened and Endangered Species and Habitat Listing for Fulton County. In addition, a list of state-protected species was provided by the Georgia Department of Natural Resources (GA DNR). A field survey was conducted to identify federally and state-listed protected species or potential habitat for protected species within the project corridor. Table 5 lists those species along with the project effect.

Table 5: Protected Species Known to Occur in Fulton County**

Common Name	Scientific Name	Federal Status	State Status	Project Effect on Species
Chattahoochee crayfish	*Cambarus howardi*	NA	T	No Significant Adverse Effect
Monarch butterfly	*Danaus plexippus*	C	NA	Not Likely to Jeopardize
Michaux's sumac	*Rhus michauxii*	E	E	No Effect
Tricolored bat	*Perimyotis subflavus*	NA*	NA	Not Likely to Jeopardize

Key: Endangered (E), Threatened (T), Candidate (C), Not Applicable (NA)

*There is no current federal status for tricolored bat, but listing is anticipated September 2023

**Obligations under Section 7 of the Endangered Species Act must be reconsidered if new information reveals impacts of this identified action that may affect listed species or habitat in a manner not previously considered, a new species is listed or habitat is determined that may be affected by the identified action, or the project is modified in a manner not previously considered.

Suitable habitat for the Chattahoochee crayfish is located in PS-1. Because occurrence records for the Chattahoochee crayfish are less than five years old, the species is assumed present and Special Provision (SP) 107.23H would be implemented to minimize harm to the species, resulting in a No Significant Adverse Effect determination. Conditions in the SP 107.23H include enhanced erosion control measures, preference that any stockpiling and equipment staging be placed at least 200 feet from the stream if feasible, secondary containment and spill response procedures be provided on-site for all heavy equipment to prevent the spread of pollutants, and fertilizer shall be applied in a manner to ensure that excess fertilizer does not run-off into the stream.

There is no suitable habitat nor were species identified of the Michaux's sumac. Potentially suitable monarch butterfly habitat occurs statewide and may be present within existing and proposed GDOT ROW. However, based on the scope of the project compared to the range and distribution of this species, construction of the Peachtree Creek Greenway Trail Phase II is not likely to jeopardize the continued existence of the monarch butterfly. In accordance with the 2021 Joint Coordination Procedure (JCP) GDOT has made a No Effect determination for the federally protected Michaux's sumac, and a Not Likely to Jeopardize determination for the monarch butterfly on August 19, 2022 (see Attachment 2).

In accordance with the Interim Agreement for Coordination for Proposed Tricolored Bat between FHWA, USFWS, GDOT, and GA DNR (effective February 8, 2023) PI No. 0016053 was included in a batch of projects submitted to FHWA on February 13, 2023 for a Not Likely to Jeopardize (NLTJ) determination (see Attachment 2). Section 7 coordination with USFWS for the Tricolored bat would occur as part of a reevaluation for the project prior to Let.

8. Invasive Species

In accordance with Executive Order 13112, a survey for populations of invasive species that may be spread during construction was conducted for this project. The invasive species for which the survey was conducted are those which have been identified by the Department as having the highest priority due to environmental and economic impacts. Both the selected species and the management practices will be re-evaluated and revised as more information is obtained.

Kudzu (*Pueraria montana*) and English ivy (*Hedera helix*) are located throughout the project corridor.

During the construction process, GDOT will take measures to prevent or minimize the spread of these species as appropriate for the time of the year. These measures will include removal and disposal of vegetative parts in the soil that may reproduce by root raking, burning on site any such parts and aboveground parts that bear fruit, controlling or eradicating infestations prior to construction, and cleaning of vehicles and other equipment prior to leaving the infested site. The measures used will be appropriate for the particular species and conditions that exist on the project, as described in Georgia Standard Specifications Section 201, Clearing and Grubbing of Right of Way.

D. Physical Environment

2. Air Assessment

This project is in an area where the State Implementation Plan (SIP) contains transportation control measures. The Clean Air Act requires Transportation Plans and Transportation Improvement Programs (TIP) in areas not meeting the National Ambient Air Quality Standards (NAAQS) to conform to the emissions budget of the SIP for air quality. This project is identified in the FY 2020-2025 TIP by reference number: DK-381. Inclusion in a conforming plan also serves as project level analysis for ozone and no further analysis is warranted.

The EPA first set air quality standards for carbon monoxide (CO) in 1971. For the protection of both public health and welfare, EPA set an 8-hour primary standard at 9 parts per million (ppm) and a 1-hour primary standard at 35 ppm. Nationally and, particularly in urban areas, the majority of CO emissions to ambient air come from mobile sources.

As of 05/01/2020, no CO regional and project-level conformity requirements are in effect for the state of Georgia (all counties). In accordance with 40 CFR 93.102(b), transportation conformity determinations only apply in nonattainment and maintenance areas, but Georgia is in attainment for CO.

As no counties in Georgia are currently categorized as being in nonattainment or maintenance for CO, regional and project-level transportation conformity requirements, do not apply for CO in Georgia. In an effort to expedite the National Environmental Policy Act (NEPA) process, GDOT has determined that quantitative CO project-level analyses are not required in any CO attainment areas within the state. In accordance with the FHWA – GDOT 2020 Agreement: *Qualitative Project-Level Analyses for Georgia Areas in Attainment for Carbon Monoxide*, effective 05/01/2020 a microscale CO analysis (project-level CO hot-spot analysis using MOVES and CAL3QHC) is unnecessary for NEPA purposes because the project contribution plus background concentrations can be judged to be well below the 1-hour and 8-hour NAAQS, based on the summary of previous CO hot-spot analyses and CO ambient monitoring data outlined in Attachment 2 of the FHWA – GDOT 2020 Agreement (please refer to this agreement for further details).

Transportation conformity is required for federal transportation projects in areas that have been designated by the EPA as not meeting the NAAQS. These areas are called non-attainment areas if they currently do not meet air quality standards or maintenance areas if they have previously violated air quality standards, but currently meet them and have an approved maintenance plan. On August 24, 2016, The EPA revoked the 1997 Primary Annual $PM_{2.5}$ NAAQS that designated 24 counties and three partial counties in Georgia as non-attainment areas for fine particulate matter, called $PM_{2.5}$. This revocation of the 1997 designation became effective on October 24, 2016, 60 days after EPA's published action in the Federal Register. Transportation Conformity for the $PM_{2.5}$ standards in the State of Georgia is no longer required, and the State of Georgia is considered to be in attainment for $PM_{2.5}$, so no further analysis of $PM_{2.5}$ emissions is warranted.

Mobile Source Air Toxics (MSAT) assessments are required statewide for most federal transportation projects. Based on the example projects defined in the FHWA guidance "Updated Interim Guidance on Mobile Source Air Toxic Analysis in National Environmental Policy Act (NEPA) Documents" dated October 18, 2016, the Peachtree Creek Greenway Trail project would be classified as a project with *no* meaningful MSAT impacts.

4. Underground Storage Tanks/Hazardous Waste

A Phase I Environmental Site Assessment (ESA) was conducted for the project in accordance with American Standard for Testing and Materials (ASTM) E1527-13, "Standard Practice for Environmental Site Assessments: Phase I". Based on results of the Phase I ESA, three

Recognized Environmental Conditions (REC) were identified (see Figure 4, UST/Hazardous Waste Locations):

- Mukti Enterprises (Now Shell), 2800 Buford Highway

This site is an active gas station with four (4) Underground Storage Tanks (USTs) immediately up-gradient from proposed construction.

- Chevron Plaza Buford/Best Cleaners, 2911 Buford Highway

This site is an active gas station with three (3) USTs across the creek and up-gradient from proposed construction. This site has several regulatory violations associated with UST operation from GA EPD. The site also formerly housed a dry cleaning business on the property.

- Druid Hills Exxon/Jiffy Cleaners, 2055 N Druid Hills Road

The site is an active gas station with three (3) USTs located approximately 350 feet up-gradient from proposed construction. The site also was the former location of a dry cleaning business on the property.

The GDOT reviewed findings, conclusions, and results of the Phase I ESA and recommended a Phase II subsurface investigation at these sites on August 3, 2022 (see Attachment 2).

On September 21-22, 2022, a Phase II subsurface investigation including soil borings, screenings, and analysis was conducted in accordance with ASTM E1903-19, “Standard Practice for Environmental Site Assessments: Phase II. A total of 10 soil borings were performed at the three sites. Groundwater was not encountered at any of the borings. Soil samples were collected and submitted for laboratory analysis of constituents associated with gasoline, diesel, and hazardous materials. All analytes detected were below the GA EPD Underground Storage Management Tank Program’s (USMTP) soil threshold levels, and the GA EPD Hazardous Substances Regulatory Authority (HSRA) notification criteria for regulated substances. The GDOT concurred on the findings and that no further action is necessary on [date].

E. Permits/Variances/Commitments Required

1. CWA USACE Section 404 Permit

The proposed project would result in approximately 121 linear feet of temporary impact to PS-1, and require a Section 404 Permit from the USACE. A Preconstruction Notification (PCN) and Nationwide Permit (NWP) 33 would be obtained for stream impacts from the project.

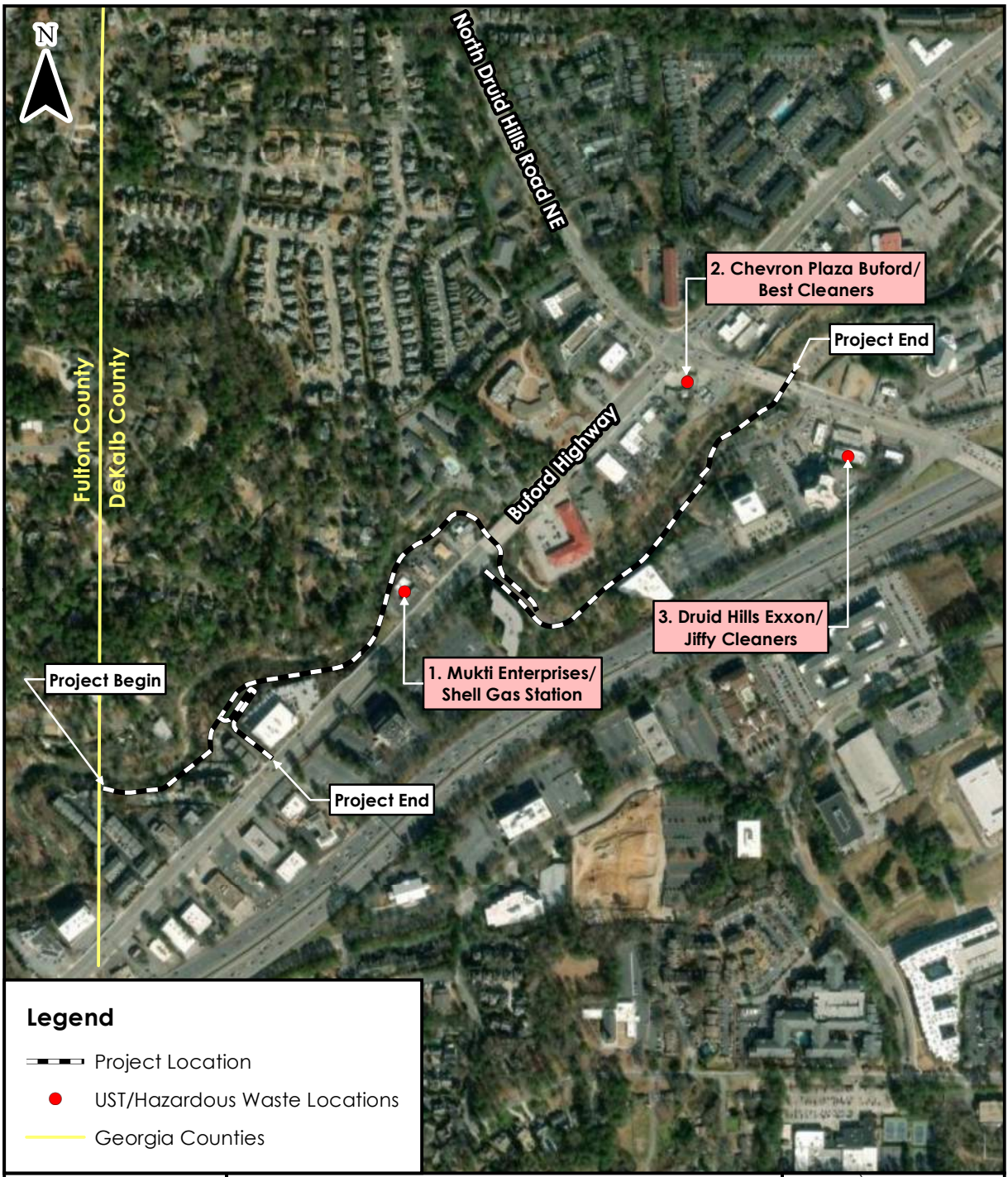
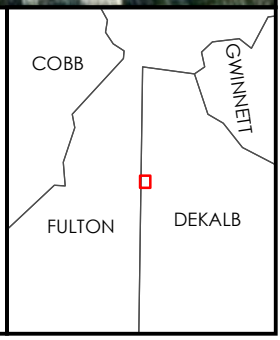


Figure 4. UST/Hazardous Waste Locations

Peachtree Creek Greenway Trail from Atlanta to North Druid Hills Road-Phase II
GDOT P.I. No. 0016053, DeKalb County

0 350 700 1,400 Feet

Source: ESRI World Imagery



2. GA EPD Buffer Variance

The construction of the proposed trail would encroach upon the 25-foot vegetated buffer of PS-1, PS-2, and IS-3. The proposed project would require a stream buffer variance based on the requirements outlined in 391-3-7.05 under the GA EPD, Erosion and Sedimentation Control Branch.

3. 404 and/or Buffer Mitigation Needed

Impacts to the vegetated stream buffers would not require mitigation. However, impacts to PS-1 would require 45.38 (2018) or 544.50 (legacy) stream mitigation credits from a USACE approved bank serving Hydrologic Unit Code 0313000112.

7. National Pollutant Discharge Elimination System (NPDES)

The NPDES was created by the federal Clean Water Act to control water pollution by regulating the discharge of pollutants to surface waters. In Georgia, any ground-disturbing activities that exceed one acre are covered under the State's NPDES permit. Ground-disturbing activities exceeding one acre would occur for the proposed project. Therefore, a Notice of Intent (NOI) to the NPDES General Permit will be submitted prior to construction.

F. Section 4(F) Applicability

Section 4(f) refers to the temporary and/or permanent use and constructive use of land from a significant publicly-owned public park, recreation area, or wildlife and waterfowl refuge, or any significant historic site. One Section 4(f) resource was identified for the project area; the Peachtree Creek Greenway Trailhead located adjacent to Druid Hills Road.

1. De Minimis

The trailhead parking lot would be needed for staging construction equipment and materials. Access to and from the parking lot would be closed for an approximately 540-day (18-month) duration. There would be no permanent loss of parking, and the trailhead would be restored to its existing condition once it is no longer needed for storage.

The official with jurisdiction over the Peachtree Creek Greenway Trailhead has concurred in a finding of no adverse effect from the project on January 23, 2023 (see Attachment 2). In addition, a notice of the closure was posted at the Trailhead for 30 days, to receive any comments from the public regarding the closure. No comments were received. Therefore, in accordance with 23 CFR 774.13(b), the proposed project would have a "*de minimis*" impact on this property and no Section 4(f) Evaluation is required.

Attachment 2
Correspondence

DK-348

US 29/78/278/SR 8 (PONCE DE LEON AVENUE) BRIDGE REPLACEMENT

0016475

AT LULLWATER CREEK

Programmed

Jurisdiction DeKalb County

Sponsor GDOT

Existing	Planned	Length (mi.)	Network Year
4	4	0.4	TBD

Service Type Roadway / Bridge Upgrade

Analysis Exempt from Air Quality Analysis (40 CFR 93)

LCI ☐ **Flex** ☐

	Status	Year	Fund Type	Federal	State	Local	Bonds	Total
PE	AUTH	2020	National Highway Performance Program (NHPP)	~~$800,000~~	~~$200,000~~	~~$0,000~~	~~$0,000~~	**$1,000,000**
ROW		2024	National Highway Performance Program (NHPP)	$400,000	$100,000	$0,000	$0,000	**$500,000**
UTL		LR 2026-2030	National Highway Performance Program (NHPP)	$80,000	$20,000	$0,000	$0,000	**$100,000**
CST		LR 2026-2030	National Highway Performance Program (NHPP)	$1,840,000	$460,000	$0,000	$0,000	**$2,300,000**
				$3,120,000	**$780,000**	**$0,000**	**$0,000**	**$3,900,000**

DK-381

PEACHTREE CREEK GREENWAY TRAIL PHASE II

0016053

FROM CITY OF ATLANTA TO NORTH DRUID HILLS ROAD

Programmed

Jurisdiction DeKalb County

Sponsor City of Brookhaven

Existing	Planned	Length (mi.)	Network Year
N/A	N/A	N/A	TBD

Service Type Last Mile Connectivity / Sidepaths and Trails

Analysis Exempt from Air Quality Analysis (40 CFR 93)

LCI ☐ **Flex** ☐

	Status	Year	Fund Type	Federal	State	Local	Bonds	Total
PE	AUTH	2019	Transportation Alternatives (Section 133(h)) - Urban (>200K) (ARC)	~~$200,000~~	~~$0,000~~	~~$50,000~~	~~$0,000~~	**$250,000**
PE	AUTH	2020	Surface Transportation Block Grant (STBG) Program - Urban (>200K) (ARC)	~~$280,000~~	~~$0,000~~	~~$70,000~~	~~$0,000~~	**$350,000**
ROW		2023	Transportation Alternatives (Section 133(h)) - Urban (>200K) (ARC)	$80,000	$0,000	$5,619,433	$0,000	**$5,699,433**
UTL		2025	Transportation Alternatives (Section 133(h)) - Urban (>200K) (ARC)	$40,000	$0,000	$10,000	$0,000	**$50,000**
CST		2025	Transportation Alternatives (Section 133(h)) - Urban (>200K) (ARC)	$2,400,000	$0,000	$16,591,353	$0,000	**$18,991,353**
				$3,000,000	**$0,000**	**$22,340,786**	**$0,000**	**$25,340,786**

CULTURAL ENVIRONMENT

Brian P. Kemp
Governor

Christopher Nunn
Commissioner

Georgia® Department of Community Affairs

August 5, 2022

Eric Duff
State Environmental Administrator
Georgia Department of Transportation
One Georgia Center
600 West Peachtree Street NW, 16th Floor
Atlanta, Georgia 30308
Attn: Lauren Patterson Olliff, Support Services Transportation Historian

Re: PI 0016053: Phase II, Peachtree Creek Greenway Multi-Use Trail, from West Druid Hills Road to Fulton County Line
DeKalb County, Georgia
HP-210115-001

Dear Mr. Duff:

The Historic Preservation Division (HPD) has received the documentation regarding the above-referenced project. Our comments are offered to assist the Federal Highway Administration (FHWA) and the Georgia Department of Transportation (GDOT) in complying with the provisions of Section 106 of the National Historic Preservation Act, as amended.

Based on the information provided in the Assessment of Effects document, prepared by Edwards-Pitman and dated July 15, 2022, HPD concurs with GDOT's determination that the proposed project will have **no effect** on the National Register of Historic Places (NRHP)-eligible Palmer House, as defined in 36 CFR Part 800.4(d)(1).

Please refer to project number **HP-210115-001** in any future correspondence regarding this undertaking. If we may be of further assistance, please contact Santiago Martinez, Environmental Review Historian, at Santiago.Martinez@dca.ga.gov or (404) 486-6425.

Sincerely,

Stacy Rieke, MHP
Program Manager
Environmental Review & Preservation Planning

SMR/sdm

cc: Sabrina David, FHWA (Attn: Jessica Granell)
Mollie Bogle, Atlanta Regional Commission
Dennis Cheek, GDOT
Sam Carter, GDOT

Georgia Department of Transportation

Memo

DATE: July 2, 2021

FROM: Ryan Jackson, Historian, Office of Environmental Services

TO: Files

SUBJECT: GDOT Project Peachtree Creek Greenway Phase II, DeKalb County;
P.I. #0016053 and HP-210115-001:
Historic Resources Survey Report

Attached is the Historic Resources Survey Report prepared by Edwards-Pitman of Atlanta, Georgia for the subject project. This document describes the Department's efforts to identify historic properties located within the proposed project's area of potential effects and the evaluation of all identified properties through the application of the Criteria of Eligibility to determine eligibility for inclusion in the National Register of Historic Places.

RMJ/

cc: Moises Marrero, FHWA, w/attachment (Attn: Chetna Dixon-Thomas)
David Crass, Deputy SHPO, w/attachment
Atlanta Regional Commission, w/attachment
Melissa Forgey, DeKalb History Center, w/attachment
David Cullison, DeKalb County Historic Preservation Commission, w/attachment

CONCUR: _____ **DATE:** July 16, 2021
for David Crass, Deputy SHPO

cc: Jerry Guo, GDOT NEPA
Rohan Dalwadi, GDOT Project Manager, Office of Program Delivery
Ethan Potter, Consultant, Edwards-Pitman

NATURAL ENVIRONMENT

From:	Chamblin, Douglas
To:	Dixon-Thomas, Chetna (FHWA); Priger, Kaelin (FHWA); Hernandez, Aaron (FHWA); Granell, Jessica (FHWA); Pattavina, Laci L; Prowell, Eric; Chris Coppola; Hedeen, Meghan W (meghan_hedeen@fws.gov); Morris, Katrina
Cc:	Carroll, Matthew H; Collazo, Jaime; Goodson, Christopher W.; Hedeen, David; Pawlikowski, Ryan T; Phillips, Amber; Borchardt, David J; Duff, Eric; Lawrence, Sandy
Subject:	TCB Batch 2: Projects that have FY 2023 ROW funds and are Not Likely to Jeopardize the tricolored bat"s existence
Date:	Monday, February 13, 2023 10:17:00 AM
Attachments:	image003.png TCB Batch 2 - NLTJ - FY 2023 ROW Projects.xlsx

Good morning:

On September 14, 2022, The USFWS published a proposal to list the tricolored bat (*Perimyotis subflavus;* TCB) as endangered under the Endangered Species Act. The range for the tricolored bat covers the entire state of Georgia and known and potentially suitable habitat is present within existing and proposed Georgia DOT rights-of-way. However, the primary cause of tricolored bat population decline, as described in the listing proposal, is white nose syndrome; habitat loss and disturbance are considered to be factors of low relative importance in the decline.

On February 8, 2023, the Georgia DOT, the Federal Highway Administration Georgia Division, the United States Fish and Wildlife Services, and the Georgia Department of Natural Resources entered into an agreement titled "INTERIM AGREEMENT FOR COORDINATION FOR PROPOSED TRICOLORED BAT" (hereafter, TCB Agreement). In accordance with the TCB Agreement, GDOT has assessed the potential for projects to affect the tricolored bat and has found that the projects listed (see attached and below) are Not Likely to Jeopardize (NLTJ) the continued existence of this species.

Each of the projects listed meets this criterion for a NLTJ call under the TCB Agreement:

- Ecology documentation is for the ROW phase and there will be an Ecology Addendum that will allow Section 7 (or conference if listing is delayed) to be completed for TCB prior to construction.

Based on the TCB Agreement and the information provided above, the listed projects are NLTJ the continued existence of the TCB; Section 7 will be completed prior to construction on these projects. A Master Spreadsheet (running list of all batches and their status) will be sent by Amber Phillips separately.

Project ID	Districts (Multi-value)	Counties (Multi-value)	TCB Effect	FWS Response Type (NA, email, letter, BO)	Future Action	Completion date	Environment Analyst Name	Ecologist Name
0016053	7	DeKalb	NLTJ	NA	Complete Section 7 prior to LET	TBD	Guo, Jerry	James, Alanna

Russell R. McMurry, P.E., Commissioner
One Georgia Center
600 West Peachtree NW
Atlanta, GA 30308
(404) 631-1990 Main Office

August 19, 2022

Acting Georgia Field Supervisor
U.S. Fish & Wildlife Service, Georgia Ecological Services
RG Stephens Jr. Federal Building
355 East Hancock Avenue, Room 320
Athens, GA 30601
ATTN: Laci Pattavina

Sabrina David, Georgia Division Administrator
Federal Highway Administration
Atlanta Federal Center
61 Forsyth Street, S.W., Suite 17T100
Atlanta, Georgia 30303-3104
ATTN: Jessica Granell

Re: Action Request: No Coordination Required
GDOT Project PI# 0016053, DeKalb County

Dear Acting Georgia Field Supervisor and Ms. David,

Please find attached the Ecology Resource Survey and Assessment of Effects Report for the above referenced project. The proposed project would construct a 14-foot wide concrete shared-use path, part of the existing Peachtree Creek Greenway shared-use path, from North Druid Hills Road to the Brookhaven and Atlanta City limit line. As the Federal Highway Administration's designated non-federal representative, the Department provides the attached report containing details on findings related to ecological resources and has made the following determinations.

FWCA - **Action Request: No coordination required**
FWCA is not required because all impacts to eligible water resources result in less than 100 feet or 0.1 acre of permanent impact, consistent with Category 3 in the *January 2021 Joint Coordination Procedures' (JCP) Fish and Wildlife Coordination Act SOP*.

"No Effect" - **Action Request: No coordination required**
The following species have a "no effect" determination: Michaux's sumac (*Rhus michauxii*).
The proposed action is not likely to jeopardize the continued existence of the monarch butterfly (*Danaus plexippus*).

Please copy the Lead Federal Agency, GDOT Ecologist, and GDOT Environmental Analyst assigned to the project on any correspondence. If you have any questions or need additional information, please contact GDOT Ecologist Alanna James at 404-631-1537

(ajames@dot.ga.gov) or GDOT Ecology Team Leader Matt Carroll at 404-631-1174 (mcarroll@dot.ga.gov).

Sincerely,

Eric Duff /mc

Eric Duff
State Environmental Administrator

ED/MC/qh

Enclosure:
cc:

Felicia Basolo, GDOT PM
Jerry Guo, GDOT Environmental Analyst (jguo@dot.ga.gov)
Daryl Williams, GDOT ECB
Lisa Westberry, GDOT Mitigation
EPD-GDOT Inbox (epd.gdot@dnr.ga.gov)
Anna Yellin, GADNR
Eric Somerville, EPA
GDOT IOEQ Inbox (IOEQsubmittals@dot.ga.gov)
Quinn Hiers, EPEI

Ecology Resource Survey and Assessment of Effects Report:

Peachtree Creek Greenway Trail from Atlanta to North Druid Hills Road – Phase II

DeKalb County

PI No. 0016053

August 2022

Prepared by: Edwards-Pitman Environmental, Inc.

Under Contract With: Heath & Lineback Engineers, Inc.

Prepared for: Georgia Department of Transportation

Report Author:

Quinn Hiers, Ecologist

Consultant Reviewer:

Collin Lane, Ecology Group Manager

GDOT Reviewer:

Alanna James, GDOT Ecologist

Russell R. McMurry, P.E., Commissioner
One Georgia Center
600 West Peachtree NW
Atlanta, GA 30308
(404) 631-1990 Main Office

February 10, 2021

Dr. Don Imm, PhD, Georgia Field Supervisor
US Fish & Wildlife Service, Georgia Ecological Services
RG Stephens Jr. Federal Building
355 East Hancock Avenue, Room 320
Athens, GA 30601
ATTN: Peter Maholland

Re: Transmittal of Ecology Resource Survey Report
GDOT Project, P.I. No. 0016053, DeKalb County
Peachtree Creek Greenway Trail from Atlanta to North Druid Hills Road Phase II

Dear Dr. Imm,

Please find attached the Ecology Resource Survey Report for the above referenced project. The proposed project, PI No. 0016053, proposes to construct a new shared-use trail approximately 6 miles northeast of Downtown Atlanta within the City of Brookhaven, DeKalb County. The proposed project length is approximately 1 mile.

This report outlines ecological resources identified within the project area for the above referenced project. During the field survey for ecological resources, two perennial streams and one intermittent stream were identified within the Environmental Survey Boundary (ESB) for the proposed project. No suitable habitat was observed for the federally protected Michaux's sumac (*Rhus michauxii*).

This report is being transmitted for your information and files. If you have any questions or need additional information, please contact GDOT Ecologist Alanna James (404) 631-1567 (ajames@dot.ga.gov) or Ecology Team Leader Matt Carroll (mcarroll@dot.ga.gov) (404) 631-1174.

Sincerely,

Eric Duff /mc

Eric Duff
State Environmental Administrator

ED/MC/krt

Dr. Don Imm
PI #0016053, DeKalb County
February 10, 2021

Enclosure:
cc:

Mary Causey, GDOT PM (mcausey@dot.ga.gov)
Elliott Robertson, GDOT Environmental Analyst (erobertson@dot.ga.gov)
Daryl Williams, GDOT ECB
Aaron Hernandez, FHWA
Eric Somerville, EPA
Anna Yellin, GADNR
Lisa Westberry, GDOT Mitigation
Michael Berry, EPD, E&S Unit
Ra-Jendra Hunter, EPD, E&S Unit
Kevin Thomas, EPEI (kthomas@edwards-pitman.com)

Ecology Resource Survey Report

Peachtree Creek Greenway Trail from Atlanta to North Druid Hills Road - Phase II

DeKalb County
PI No. 0016053

February 2021

Prepared by:
Edwards-Pitman Environmental, Inc.
2700 Cumberland Parkway, Suite 300
Atlanta, GA 30339

Under Contract with:
Heath & Lineback Engineers, Inc.
2390 Canton Road
Marietta, GA 30066

Prepared for:
Georgia Department of Transportation
Office of Environmental Services
600 West Peachtree Street NW
Atlanta, GA 30308

Report Author: _____
Kevin Thomas, Ecologist

Consultant Reviewer: _____
Charlotte Estes, Senior Ecologist

GDOT Reviewer: _____
Alanna James, GDOT Ecologist

City of Brookhaven

Public Works Department

Peachtree Creek Greenway Trail from Atlanta to North Druid Hills Road – Phase II

GDOT PI# 0016053

Hydrologic and Hydraulic Study

DeKalb County

January 2023

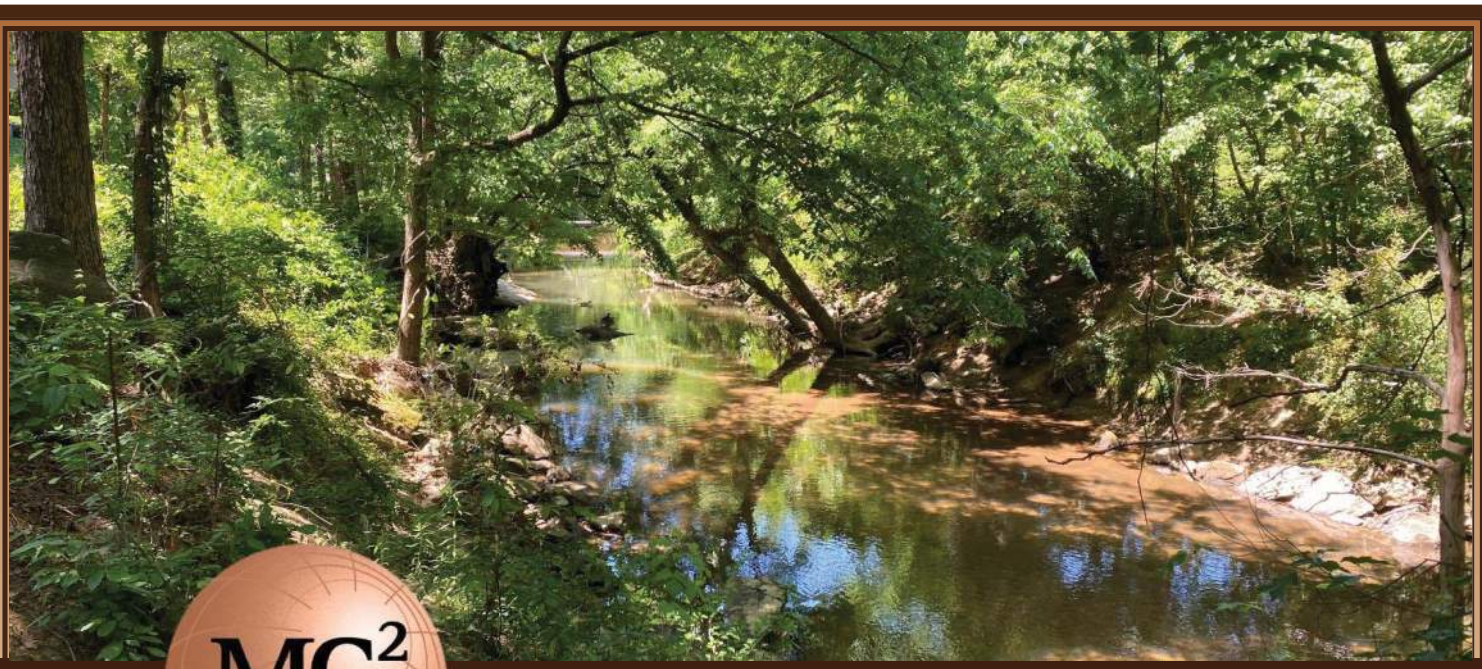
Prepared By:

Heath & Lineback Engineers, Inc.

FEMA Coordination Required

Community Coordination Required

PHYSCIAL ENVIRONMENT



GEOTECHNICAL • ENVIRONMENTAL
MATERIALS TESTING

Prepared By:

MC Squared, LLC

1275 Shiloh Road NW
Suite 2620
Kennesaw, Georgia 30144
phone: (770) 650-0873
www.mc2engineers.com

Phase II Environmental Site Assessment

GDOT P.I. No. 0016053

Peachtree Creek Greenway Trail from ATL to N Druid Hills Road – Phase II
Brookhaven, DeKalb County, Georgia

MC² Project No.: A061908.093

Prepared On: October 21, 2022
Revised: January 4, 2023

Prepared For: Heath and Lineback Engineers, Inc.
2390 Canton Road, Building 200
Marietta, Georgia 30066-1668

January 4, 2023

Mr. Patrick Peters, P.E.
Senior Engineer, Trail Department Manager
Heath & Lineback Engineers, Inc.
2390 Canton Road, Building 200
Marietta, Georgia 30066-1668

Subject: Revision of Phase II Environmental Site Assessment
Peachtree Creek Greenway Trail from ATL to N Druid Hills Road – Phase II
Brookhaven, DeKalb County, Georgia
GDOT P.I. No. 0016053
MC^2 Project No. A061908.093

Dear Mr. Peters:

MC Squared, LLC has completed a revision for our Phase II Environmental Site Assessment Report, dated October 21, 2022, for the above referenced project. Our revisions are as follows:

1. Added one additional boring at Site **S-01** due to the presence of petroleum odors encountered during geotechnical sampling. Changes have been made within the report, as well as in **Sheet 3, Boring Location Map**, **Construction Plan Sheet 13-003**, **Appendix A, Record of Soil Borings**, and **Appendix B: Lab Reports and Chains of Custody** to reflect the additional soil boring.

This Phase II Environmental Site Assessment was performed in general accordance with ASTM E1903-19 (Standard Practice for Environmental Site Assessments: Phase II) and **GDOT** Guidelines. We are pleased to submit this Phase II Environmental Site Assessment for your review.

Please advise if you have any questions or need any additional information. We appreciate the opportunity to provide Environmental Engineering services on the above referenced project.

Sincerely,
MC Squared, LLC

Denver Williams, E.I.T.
Staff Engineer

Jodonna Jimenez, P.E.
Senior Project Manager
GA P.E. No. 031327

MC Squared, LLC
1275 Shiloh Rd. NW, Suite 2620, Kennesaw, GA 30144
P - (770) 650 0873 F - (770) 650 7825
mc2engineers.com

Georgia Department of Transportation

Interoffice Memo

FILE: DeKalb County
PI No. 0016053
Peachtree Creek Greenway Trail from Atlanta to North Druid Hills Rd – Phase II

DATE: August 3, 2022

FROM: Patrick Allen, P.E., State Materials Engineer

TO: Kimberly Nesbitt, State Program Delivery Administrator
Attn: Felecia Basolo, Project Manager

SUBJECT: **Acceptance of Consultant's Phase I Environmental Site Assessment Report**

As requested, we have reviewed the Phase I Environmental Site Assessment (ESA) Report that was written on June 3, 2022 by MC Squared, LLC. of Kennesaw, Georgia. This Report is acceptable for use. Copies of this Report should be forwarded to the appropriate Offices by the Project Manager.

The Project Manager should provide a link to the accepted Report in ProjectWise to Geotechnical_Reports@dot.ga.gov.

The following Recognized Environmental Conditions (RECs) were identified in the Phase I ESA Report.

1. Mukti Enterprises (Currently Shell) an active gasoline station located at 2800 Buford Hwy NE, Atlanta, GA 30324. The potential for releases of petroleum products associated with gasoline station activities at this facility represents a REC.

2. Chevron Plaza Buford/Best Cleaners located at 2911 Buford Hwy NE, Atlanta, GA 30324. The potential for releases of petroleum products and chemicals associated with gasoline station and former dry cleaner activities at this facility represents a REC.

3. Druid Hills Exxon/Jiffy Cleaners located at 2055 N Druid Hills Road, Atlanta, Ga 30324. The potential for releases of petroleum products and chemicals associated with gasoline station and former dry cleaner activities at this facility represents a REC.

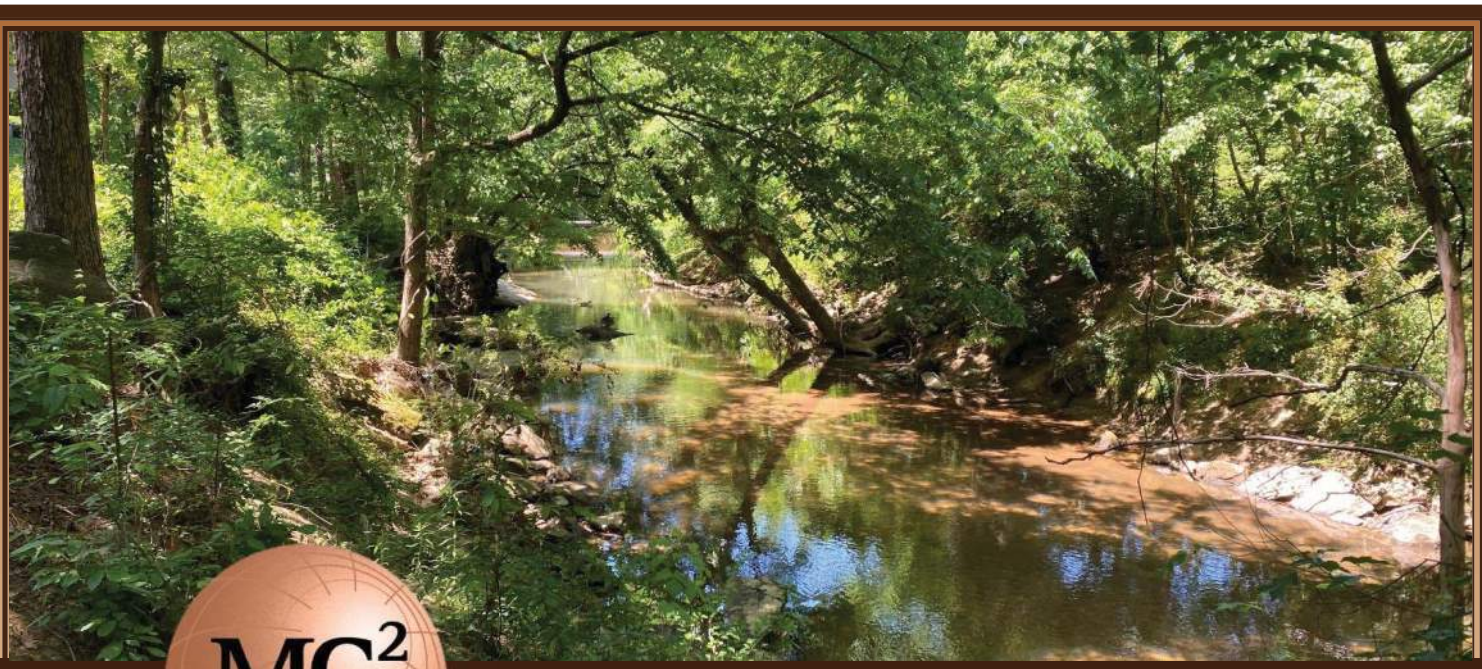
A Phase II ESA should be completed for each of these properties to determine if these RECs have impacted the project corridor.

The Project Manager should provide a link to the accepted Report in ProjectWise to Geotechnical_Reports@dot.ga.gov.

If additional information is needed, please contact Chris Black of the Geotechnical Bureau at cblack@dot.ga.gov.

PA: GEF: CSB

cc: Paul DeNard, P.E., District Engineer, Chamblee
Borden Polk, Area Manager, Chamblee
Troy Hill, State R/W Administrator
Attn: Katrina Anderson
Eric Duff, State Environmental Administrator
Attn: Carla Benton-Hooks, EPM (D3 & D6)
Joshua Higgins, District Planning and Programming Coordinator, Chamblee
District Right-of-Way Office, Chamblee
Jodonna Jimenez, P.E., MC Squared, LLC (jjimenez@MC2Engineers.com)
Denver Williams, E.I.T., MC Squared, LLC (dwilliams@MC2Engineers.com)



GEOTECHNICAL • ENVIRONMENTAL
MATERIALS TESTING

Prepared By:

MC Squared, LLC

1275 Shiloh Road NW
Suite 2620
Kennesaw, Georgia 30144
phone: (770) 650-0873
www.mc2engineers.com

Phase I Environmental Site Assessment

GDOT P.I. No. 0016053

Peachtree Creek Greenway Trail from ATL to N Druid Hills Road – Phase II
Brookhaven, DeKalb County, Georgia

MC² Project No.: A061908.093

Prepared On: June 3, 2022

Prepared For: Heath and Lineback Engineers, Inc.
2390 Canton Road, Building 200
Marietta, Georgia 30066-1668

June 3, 2022

Mr. Patrick Peters, P.E.
Senior Engineer, Trail Department Manager
Heath & Lineback Engineers, Inc.
2390 Canton Road, Building 200
Marietta, Georgia 30066

Subject: Phase I Environmental Site Assessment
Peachtree Creek Greenway Trail from ATL to N Druid Hills Road – Phase II
Brookhaven, DeKalb County, Georgia
GDOT P.I. No. 0016053
MC^2 Project No. A061908.093

Dear Mr. Peters:

MC Squared, LLC has completed the Phase I Environmental Site Assessment for the subject project. This Phase I Environmental Site Assessment was performed in general accordance with ASTM E1527-13 (Standard Practice for Environmental Site Assessments: Phase I) and **GDOT** Guidelines. We are pleased to submit this Phase I Environmental Site Assessment for your review.

Please advise if you have any questions or need any additional information. We appreciate the opportunity to provide Environmental Engineering services on the above referenced project.

Sincerely,
MC Squared, LLC

Denver Williams, E.I.T.
Staff Engineer

Jodonna Jimenez, P.E.
Senior Project Manager
GA P.E. No. 031327

MC Squared, LLC
1275 Shiloh Rd. NW, Suite 2620, Kennesaw, GA 30144
P - (770) 650 0873 F - (770) 650 7825
mc2engineers.com

Approved By: _____ Date 3/08/2022

Noise Screening Assessment for Type III Projects
Peachtree Creek Greenway Trail from Atlanta to North Druid Hills Road-Phase II
DeKalb County
PI No. 0016053
February 2022

Introduction

In compliance with *23 USC Section 109(h) and (i), the Federal Highway Administration (FHWA)* established guidelines for the assessment of highway traffic-generated noise. These guidelines, published as *Part 772 of Title 23* of the *Code of Federal Regulations* (23 CFR 772), provide procedures to be followed in conducting noise analyses that will protect the public health and welfare. In accordance with the Noise Control Act of 1972, coordination of this regulation with the Environmental Protection Agency has been completed. Further, *Highway Traffic Noise: Analysis and Abatement Guidance* (Guidance) was issued in July 2010 (revised January 2011) by the FHWA.

Purpose

The purpose of this memo is to demonstrate that this project meets the definition of a Type III project and does not require a noise study or abatement of highway noise impacts.

Type I – A federal-aid project that generally adds capacity or Significantly alters the horizontal or vertical alignment.

Type II – A federal-aid project to abate noise on an existing facility. Georgia does not have a Type II program.

Type III – A federal or federal-aid highway project that does not meet the classifications of a Type I or Type II project. Type III projects do not require the preparation of a noise study or abatement of highway noise impacts.

Project Description

The Georgia Department of Transportation (DOT) project PI. No. 0016053 is Phase II of the proposed Peachtree Creek Greenway shared-use path, specifically between the Brookhaven and Atlanta City limit line and the existing Phase I trailhead at North Druid Hills Road (see Figure 1 on page 3). Phase II would consist of a 14-foot wide concrete shared-use path and would be approximately 1-mile in length of the overall 12.3-mile length. It would include several walls, boardwalks, and a bridge. Phase II of the proposed Peachtree Creek Greenway begins at the City of Atlanta/Brookhaven limits (where the future expansion of the Peachtree Creek Greenway is planned) and follows the North Fork Peachtree Creek on the south side behind the Rio at Lenox Apartments. Because the City of Atlanta's planned segment of the Peachtree Creek Greenway to the west is not complete, a connecting trail from Phase II would be constructed beginning behind the Latin American Association building and ending at Buford Highway's existing sidewalks. The Greenway continues to follow the creek underneath Buford Highway NE

Air Assessment

Peachtree Creek Greenway Trail from Atlanta to North Druid Hills Road-Phase II

PI No. 0016053, DeKalb County

EDWARDS-PITMAN

February 2022

EXECUTIVE SUMMARY
DEKALB COUNTY, PI NO. 0016053
PEACHTREE CREEK GREENWAY TRAIL FROM
ATLANTA TO NORTH DRUID HILLS ROAD-PHASE II
FEBRUARY 2022

Project Description: The Georgia Department of Transportation (DOT) project PI. No. 0016053 is Phase II of the proposed Peachtree Creek Greenway shared-use path, specifically between the Brookhaven and Atlanta City limit line and the existing Phase I trailhead at North Druid Hills Road. Phase II would consist of a 14-foot wide concrete shared-use path and would be approximately 1-mile in length of the overall 12.3-mile length. The proposed project would not require acquisition of right-of-way but would require approximately 5 acres of permanent easement and 3.86 acres of temporary easement for construction.

Ozone: This project is identified in the Atlanta Regional Transportation Plan (RTP) and FY 2020-2025 Transportation Improvement Program (TIP) by reference number: **DK-381**.

$PM_{2.5}$: Effective October 24, 2016 the State of Georgia is considered to be in attainment for $PM_{2.5}$, so no further analysis of $PM_{2.5}$ emissions is warranted.

CO: Currently, there are no areas within the State of Georgia that are classified as nonattainment or maintenance for Carbon Monoxide (CO), per the 1-hour and 8-hour primary National Ambient Air Quality Standards (NAAQS) for CO. In an effort to continue to expedite the NEPA process for GDOT projects, GDOT and FHWA have signed an agreement effective May 1, 2020 determining that quantitative CO project-level analyses are not required for projects located in CO attainment areas throughout Georgia.

MSAT: The proposed project is classified as a project with no meaningful MSAT effects.

Conclusion: This project was evaluated for its consistency with state and federal air quality goals, including CO, Ozone, $PM_{2.5}$, and MSATs as part of this assessment. Results indicated that the project is consistent with the SIP for the attainment of clean air quality in Georgia and complies with both state and federal air quality standards.

Prepared By: Samantha Lynch

Samantha Lynch 2/17/2022
Signature Date

QC/QA: Andrew Cleary

Andrew Cleary 2/21/2022
Signature Date

Approved By: GDOT

Alexis Kreegh 3/08/2022
Signature Date

SECTION 4(F)

Russell R. McMurry, P.E., Commissioner
One Georgia Center
600 West Peachtree NW
Atlanta, GA 30308
(404) 631-1990 Main Office

January 20, 2023

Karen Owens
Interim Parks and Recreation Director
City of Brookhaven
karen.owens@brookhavenga.gov

RE: The Proposed Peachtree Creek Greenway, Phase II, DeKalb County
P.I. Number 0016053

Dear Ms. Owens:

The Georgia Department of Transportation (GDOT) in coordination with the Federal Highway Administration (FHWA) is proposing the construction of Phase II of the Peachtree Creek Greenway (i.e the Greenway). The proposal consists of the construction of a 14-foot wide concrete shared-use path between the Brookhaven and Atlanta City limit line and the existing Phase I trailhead at North Druid Hills Road. Phase II would be approximately 1 mile in length.

As a recreation facility owned by the City of Brookhaven, the Greenway is afforded special protection under Section 4(f) of the Department of Transportation Act (recodified in 49 U.S.C. 303 and 23 U.S.C 138). Under the provisions of Section 4(f), if the proposed project would result in adverse effects to the park or recreation facility, the transportation agency must conduct an evaluation to demonstrate that there is no prudent and feasible alternative to the use of the 4(f) property. Because this evaluation can be expensive and potentially result in project delays, an exemption is provided in cases where the official with jurisdiction over the park or recreation area concurs in a determination that the impacts are not adverse. This concurrence enables FHWA to make a de-minimis (minimal impact) finding, which satisfies the requirements of Section 4(f) and precludes the need for a Section 4(f) Evaluation.

The purpose of this letter is to request your concurrence in the “no adverse effects” determination, thus allowing the FHWA to make the de minimis impact finding and allowing this project to proceed as planned.

A Summary of Project Impacts

The Greenway parking lot would be needed for staging construction equipment and materials. Access to and from the parking lot of the Greenway would be closed for approximately a 540-day (18-month) duration after February 14, 2024, when the project is scheduled for Let. However, there would be no permanent loss of parking.

Georgia DOT does not anticipate this use to significantly impact the usage of the Greenway, and there would be no permanent impacts to the Greenway access or its parking lot. Throughout the planning process, GDOT intends to coordinate with the project team developing the I-85 at North Druid Hills Road interchange modification (P.I. Number 0016054) to ensure a concerted effort to effectively implement both projects. P.I. 0016054 is expected to also require the use of the Greenway parking lot for staging construction equipment. Based on the current schedule, construction Let for P.I. 0016054 is anticipated in March of 2023 with an anticipated construction period of 450 days.

Commitments
Georgia DOT makes the following commitments regarding these impacts and will include them in the construction contract and the Environmental Commitments Table:

1. The Contractor will restore the Greenway parking lot adjacent to North Druid Hills Road to its current condition upon the completion of the proposed project.
2. Closure of the parking lot would not exceed a 540-day duration, weather permitting.
3. The Contractor will notify the Parks and Recreation Director and the City of Brookhaven prior to any closures.

4. Local access to the Greenway will be maintained during construction from access at several parking lots located approximately 0.2, 0.4, and 1.2 miles north of the parking lot at North Druid Hills Road.

Concurrence with No Adverse Effect Determination
If you agree that the impacts as stated above would not adversely affect the recreational activities, features, and attributes that qualify the Peachtree Creek Greenway for protection under Section 4(f), Georgia DOT requests that you sign and date this letter in the spaces below:

As the official with jurisdiction over the Peachtree Creek Greenway, I acknowledge that the proposed transportation project as described in this letter would not adversely affect the recreational activities, features, and attributes that qualify the Peachtree Creek Greenway for protection under Section 4(f).

Signature: Karen Owens **Date:** 1/23/2023

After signing and dating this letter, we ask that you return a copy to the attention of Jerry Guo electronically at jguo@dot.ga.gov. The GDOT appreciates your assistance in making this transportation project possible. Should you have any questions or concerns, please call Mr. Guo at (678) 247-2488.

Sincerely,

Eric Duff/ESR

Eric Duff
State Environmental Administrator

ED/EPEI-LS
CC: Felecia Basolo

NOTICE

Georgia Department of Transportation Project P.I. 0016053
Peachtree Creek Greenway – Phase II

The Georgia Department of Transportation and the City of Brookhaven are working together on the proposed Peachtree Creek Greenway – Phase II project, which would construct a 14-foot wide concrete shared-use path approximately 0.9 miles in length. This phase is part of the larger Peachtree Creek Greenway and would connect with the existing Phase I of the trail at North Druid Hills Road.

The proposed Peachtree Creek Greenway – Phase II would begin at the City of Brookhaven/City of Atlanta border and continue north along the east side of the North Fork Peachtree Creek. The trail continues north, crossing under Buford Highway (State Route 13) through the end span of the existing roadway bridge, and includes a connection to Buford Highway sidewalk. The trail continues along the south/east side of the North Fork Peachtree Creek and North Druid Hills Drive, eventually crossing under North Druid Hills Road NE (SR 42), again utilizing the end span of the existing roadway bridge, and connects to the existing Peachtree Creek Greenway – Phase I trailhead. There would be a spur trail between the Latin American Association building and Rio at Lennox Apartments, connecting the trail to Buford Highway.

This Greenway parking lot at North Druid Hills Road would be needed for staging construction equipment and materials. Access to and from the parking lot and the Greenway at this location would be closed for approximately a 540-day (18-month) duration beginning in February 2024, when the project is scheduled to Let for construction. However, access to the Greenway would remain open north of this point, and parking available at Corporate Boulevard and Briarwood Road. There would be no permanent loss of parking at this parking lot, and at the conclusion of construction activities the parking lot would be restored to its current condition.

If you would like to provide comments on the temporary impacts to parking or see more information regarding this project, please use your mobile device to scan the QR code to the right. Comments may also be emailed directly to PCGphase@comments@brookhavenga.gov.

Figure 1. Project Location Map

Peachtree Creek Greenway Trail - Phase II
GDOT P.I. No. 0016053, DeKalb County

Attachment 3
Public Involvement Materials

Sign to be placed at multiple locations along the project corridor.

PUBLIC INFORMATION MEETING

FOR PEDESTRIAN IMPROVEMENTS

PEACHTREE CREEK GREENWAY – PHASE II

WHEN: 6:00 - 8:00 PM

MONDAY, DECEMBER 6TH, 2021

WHERE: LATIN AMERICAN ASSOCIATION

2750 BUFORD HWY NE,

BROOKHAVEN, GA 30324

INFORMATION AVAILABLE ONLINE

CITY OF BROOKHAVEN WEBSITE

https://www.brookhavenga.gov/publicworks/

page/peachtree-creek-greenway-phase-II

From: Patty Hansen <patty.hansen@brookhavenga.gov>
Sent: Monday, December 6, 2021 9:35 AM
To: Patrick Peters; jearhart@edwards-pitman.com
Subject: FW: The Brookhaven Blast

Categories: Filed by Newforma

Patrick & Josh
Please see Brookhaven Blast Friday December 3 with Community Meeting. English and Spanish languages, below.
Patty

Patricia Hansen, GPC
Director of Strategic Partnerships
City of Brookhaven
770-853-4720| 404-637-0722
Patty.Hansen@BrookhavenGA.gov
www.BrookhavenGA.gov
4362 Peachtree Rd.|Brookhaven, GA|30319

From: Patty Hansen <phansen105@gmail.com>
Sent: Friday, December 3, 2021 5:38 PM
To: Patty Hansen <patty.hansen@brookhavenga.gov>
Subject: Fwd: The Brookhaven Blast

Patty Hansen

Begin forwarded message:

> **From:** City of Brookhaven <news@brookhavenga.gov>
> **Date:** December 3, 2021 at 5:10:07 PM EST
> **To:** phansen105@gmail.com
> **Subject: The Brookhaven Blast**
> **Reply-To:** news@brookhavenga.gov

The Brookhaven Blast

Brookhaven News, Updates and Resources

CITY OF BROOKHAVEN NEWS

Light Up Brookhaven on Wednesday, Dec. 8, heralds arrival of the holiday season

A gift wrapped evening of Christmas magic, all merry and bright, will launch the holiday season in Brookhaven at this year's Light Up Brookhaven planned for Dec. 8 in Blackburn Park, 3493 Ashford Dunwoody Road from 6-9 p.m.

The fun-filled event will be packed with holiday-themed activities including food, music, holiday movies and giveaways leading up to the dramatic arrival of Santa, once again via the Children's Healthcare of Atlanta helicopter, (scheduled to arrive at 6:30 this year) followed by the lighting of the City's dazzling 40' Christmas tree. Rabbi Brian Glusman and members of the Marcus Jewish Community Center of Atlanta will also be returning this year to light the City's Hanukah Menorah and dreidel.

More details here.

The Winter edition of Brookhaven City News is available in the December edition of Reporter Newspapers and can also be downloaded here in English and Spanish. To have a complimentary copy mailed to your home, email News@BrookhavenGa.gov.

Work is beginning on much needed improvements to the Murphey Candler Park pool parking lot. The parking improvement project will add 30 additional spaces. This is just one of the many projects at MCP funded by the by the Park Bond referendum passed by voters in 2018.

Some trees will need to be removed to complete the improvements. To ensure removal is as minimal as possible while maintaining safety, the permitted limits of disturbance will be surveyed and flagged so any trees to be removed can be confirmed before removal proceeds.

All plans for the improvement project can be viewed at www.BrookhavenGA.gov/parks-bond-ref.

Construction of the Lynwood Park splashpad begins this month. The City is asking for help maintaining access along the narrow neighborhood streets that lead back to the park.

You can view the construction notice here mailed to neighbors along Osborne Road, Devine Circle, and Mendell Circle to know what to expect if you live in or are visiting the area.

The Brookhaven Police Foundation is honoring Brookhaven's Finest during the Brookhaven Police Ball on Dec. 10.

Brookhaven residents and businesses have stepped up to sponsor the ball and help sell out the event.

As part of the event, there is a Silent Auction where bidders can bid on great offerings from local restaurants, sports memorabilia and special activities like a S.W.A.T. experience offered by the Brookhaven Police Department.

Brookhaven Police Ball | WeDo Charity Auctions (wedoauctions.com)

The Brookhaven Police Foundation is taking additional donations even though the event is sold out (http://brookhavenpolice.foundation/donate/).

The foundation exists to:

- Provide scholarships for officers and their children

- Purchase equipment that helps promote the public safety of the citizens of Brookhaven
- Provide emergency funds for officers and their families when tragedy strikes

The foundation has made a tremendous impact over the last four years. The Brookhaven Police Foundation has donated $160,000 for the following:

- $30,000 for emergency funds to help two officers who faced financial crises due to health issues
- $28,000 to purchase Brookhaven Police Department's two new K9s
- $102,000 for scholarship funds to pay for college courses for officers and/or their children as well as paying off student loans for officers exhibiting academic excellence

The foundation has also pledged an additional $30,000 for a customized Brazilian Jiu-Jitsu program that will help officers keep themselves as well as suspects safe during stressful interactions.

The Brookhaven Chamber of Commerce recently honored Mayor Pro Tem Joe Gebbia at a special breakfast. Check out the Chamber's video tribute above as

Councilman Gebbia ends his last term as District 4 Representative with the City of Brookhaven in December. A longer video will be released soon.

The City of Brookhaven Community Development Department invites you to take its annual Customer Service Experience Survey here. The survey is live until Dec. 15.

The Department provides six essential services: Planning & Zoning, Land Development, Building, Code Enforcement, Fire Marshal, and Tree Canopy Preservation.

Back by popular demand, Brookhaven is once again partnering with Trees Atlanta to sponsor the Front Yard Tree Program.

In this partnership, Trees Atlanta will plant up to 40 trees (max. 2 per household) in the front yards of Brookhaven residents. Homeowners can choose one of six varieties of oak; Tupelo, River birch, Tulip poplar, American sycamore or Bald cypress, all between six and eight feet in height. Trees Atlanta will plant the tree and provide the initial mulching and watering and include a two-year replacement guarantee.

More information here.

Based upon community feedback, Brookhaven is revamping the Dresden Intersection Analysis study, currently underway. The enhanced project scope will address revised development assumptions, multiple growth assumptions, and a review of potential bicycle facilities.

Going forward, the consultants will include traffic potential based upon highest possible density, not current use, as well as impacts to each intersection based on the higher anticipated volumes.

The scope is now expanded to include options for traffic calming beyond what is in place now to neighborhood streets due to possible increase in future potential traffic. There will also be additional bicycle / pedestrian safety recommendations.

More presentation and opportunities for input are coming before the end of the year. Keep up to date with the latest info here.

The Brookhaven City Centre Master Plan will guide future developments in the area surrounding the Brookhaven-Oglethorpe MARTA station. To view study updates, feedback from the community, and for future public input opportunities,

visit https://sycamore.mysocialpinpoint.com/brookhaven.

UPCOMING CITY EVENTS & MEETINGS

PEACHTREE CREEK GREENWAY PHASE II COMMUNITY MEETING

December 6, 2021
Latin American Association
2750 Buford Highway NE
Brookhaven, GA 30324
6 – 8 pm

We would like to welcome the community to an informational meeting and review of the final alignment for Phase II of the Peachtree Creek Greenway. The multi-use trail runs 0.9 miles from the Brookhaven/ Atlanta line to Phase I of the Greenway at North Druid Hills Road. Brookhaven, as local project sponsor for the Georgia Department of Transportation, is looking forward to receiving community comments and working together to bring this important project to completion.

- FOR INFORMATION ON THE PEACHTREE CREEK GREENWAY PLEASE VISIT BROOKHAVENGA.GOV/PCG
- TO REVIEW THE PHASE II PRESENTATION AND SUBMIT COMMENTS ONLINE BETWEEN DECEMBER 7 AND DECEMBER 22 PLEASE VISIT BROOKHAVENGA.GOV/PARKSREC/PAGE/PHASE-II
- AS PER THE CENTERS FOR DISEASE CONTROL AND PREVENTION RECOMMENDATIONS, ALL ATTENDEES WILL BE REQUIRED TO WEAR MASKS AND PRACTICE SAFE SOCIAL DISTANCING
- MASKS WILL BE AVAILABLE FOR ALL PARTICIPANTS
- THIS IS AN ADA-COMPLIANT MEETING. PLEASE EMAIL PATTY.HANSEN@BROOKHAVENGA.GOV OR CALL 770-853-4720 FOR MORE INFORMATION

Brookhaven
GEORGIA

The Brookhaven City Council's next regular meeting will be held **Tuesday, Dec. 14, at 7 p.m**. Click here for updated information regarding public access.

ROAD CLOSURES & TRAFFIC ALERTS

The intersection of Windsor Parkway and Osborne Road has reopened.

However, there will be some temporary lane closures due to continued construction of the roundabout, which is nearing completion.

More information here.

PUBLIC SERVICE ANNOUNCEMENTS

Walgreen's will offer flu shots to the public on Tuesday, Dec. 7, from noon to 2 p.m. at Brookhaven City Hall, 4362 Peachtree Road. No appointment is necessary, and the vaccine is free with insurance.

To receive food or make a contribution you must make an appointment. Those interested can call the LAA at 404-639-1839.

Suthers Center Food Pantry open Saturdays 8-10 a.m. and is in need of volunteers and food donations to help people through the holidays. Please go to sutherscenter.org for more information on how to get or give help. If you want to donate food, there's a "holiday list" on the website.

AROUND TOWN


GOVERNOR
BRIAN KEMP
DEC 8
JOIN US AS GOVERNOR KEMP
ADDRESSES THE SANDY SPRINGS &
BROOKHAVEN CHAMBERS
DECEMBER 8, 2021
7:30AM - 9:00AM
THE DOUBLE TREE HOTEL
4386 CHAMBLEE DUNWOODY ROAD
ATLANTA, GA.30341
SSPC
LIMITED
SEATING
FREE TO ATTEND-
MANDATORY
REGISTRATION


1st Lady
Janice Macon
LYNWOOD PARK
COME JOIN US !
CHURCH
62nd Anniversary
Maria Burrell
EXPHAKTAH
Exphaktah
Guest Speaker:
Bishop Brian Macon
The Promised Land Christian Church
DEC
12
"THOU ART GOD!"
PSALM 90-2
11:00AM
WWW.THELPCHURCH.COM
LYNWOOD PARK 1424 WINDSOR PKWY, BROOKHAVEN, GA 30319
@ thelpchurch
@ thelpchurch

GEORGIA AUDUBON

Bird Walk / Field Trip: Murphey Candler Park (Dekalb County)

Monday, December 13, 8:00AM

Co-sponsors Murphey Candler Park Conservancy and Murphey Candler Park Neighborhood Association
Leader: Mary Kimberly **Cell contact morning of walk:** 404.308.6279

Birding Focus: Three main habitats (lake, wetlands, mixed woods) provide good species diversity. We will look for winter residents, including raptors, waterfowl, waders and passerines. This walk is suitable for adults and children over 14 years of age and can be especially good for beginning birders.

Please do not bring your dog. Please bring your binoculars. We will identify birds by sight and sound.

Please note: Due to COVID-19 we are requiring registration for Georgia Audubon field trips and limiting participation.

Register here: https://www.georgiaaudubon.org/field-trips.html

Some of the trail is level, but there are a few steep spots and several stretches where the surface is uneven from exposed tree roots, etc. Many parts of the trail are muddy and/or slippery after rains; plan your footwear accordingly. Restrooms are available at the SW corner of the park, near the baseball fields where we initially meet.

Park & meet at SW Corner of MCP Lake / by the spillway and Caretaker's House parking lot
1636 West Nancy Creek Dr, Brookhaven 30319

Lat / Long: 33.90950820952015, -84.32607489302308

MURPHEY CANDLER PARK MCPC Brookhaven, GA CONSERVANCY

PARC of Brookhaven

Park & Recreation Coalition of Brookhaven: to Advocate, Communicate, Promote and Unite.

GO KICKBALL

Social Coed Adult Kickball Leagues

JOIN THE FUN IN BROOKHAVEN, REGISTER NOW

WWW.GOKICKBALL.COM

GO Kickball is a fun, co-ed adult social sports league in Brookhaven, registration includes:

- A way to stay active with friends and co-workers & a chance to meet new friends
- 8 games per season and team t-shirt
- Kick-off, Theme Week, and Season Finale Parties to help create a social experience all season long
- All Equipment provided
- Certified Referees, Field Supervisors, and League Managers

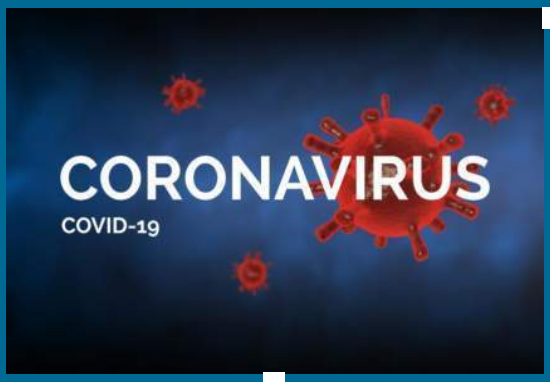
CREATE YOUR OWN TEAM WITH FRIENDS OR JOIN SOLO AND BE PLACED TO A TEAM

REGISTRATION IS OPEN at GOKICKBALL.COM

IN PARTNERSHIP WITH: Parks & Recreation Brookhaven GEORGIA

Visit www.explorebrookhaven.com and follow us on Facebook and Instagram **@explorebrookhaven** for events, weekly specials, restaurant updates and more.

COVID-19 UPDATES & RESOURCES



The City of Brookhaven has established a website listing Brookhaven closings, cancellations, testing sites, and resources relating to the COVID-19 pandemic at www.BrookhavenGA.gov/covid19

*******VACCINES FOR KIDS NOW AVAILABLE! COVID Care Georgia is now offering vaccinations and boosters for everyone ages 5+*******

As part of Brookhaven's ongoing commitment to the health and safety of its residents, a COVID testing and vaccination site is now open at **Northeast Plaza, 3371 Buford Highway**, in Brookhaven.

The new testing site, also staffed by COVID Care Georgia, will be open from **9 a.m. until 5 p.m. every weekday except Wednesday, and from 9 a.m. until 4 p.m. on weekends.** The site can accommodate drive-up and walk-up customers and medical assistants on site can administer tests to people ages six months and older. The site is located near the movie theater in Northeast Plaza, and the testing is at no cost to the insured or uninsured.

More info .

Visit the **Georgia Department of Public Health's** vaccine locator and information site here. Visit the **DeKalb Board of Health**'s website here for more information and resources.

Northside Hospital and Atlanta Blood Services urgently need recovered COVID-19 patients to donate plasma for COVID-19 treatment. Known as “convalescent plasma,” it has been used for over 100 years to treat people with infectious diseases.

Qualified plasma donors must:

- Be over the age of 18.
- Have previously tested positive for COVID-19, or had a positive COVID-19 antibody test.
- Have been symptom free for at least 14 days.
- Successfully screen as a blood donor per blood donation guidelines.

For more information or to schedule an appointment to donate your plasma, call 404-477-1299 or visit atlantabloodservices.com.

CITY OF BROOKHAVEN ONLINE RESOURCES

For UP-TO-DATE PARKS & RECREATION information related to pool closures, leagues, events, facilities and activities, call (470) 704-4774 or download the RainOutLine.com App, search for Brookhaven Parks and Recreation, highlight the star to add to favorites, and highlight the bell for notifications.

The City of Brookhaven offers Brookhaven Connect, a free smart phone app for citizens to report problems like potholes, code violations or sidewalk issues. The app is currently available for iPhone and Android phones or at CitySourced on other devices.

Submit plans, make payments

Project Portal for Development Services allows you to submit electronic applications and plans, make payments, schedule inspections, and track the status of projects. Click here to get started.

Stay connected with the Brookhaven Blast

You're already up to speed with all things Brookhaven, but what about your family and friends? Share the love and forward this email to anyone you know who wants to stay up to date with Brookhaven happenings.

Sign up is a snap, just click here.

www.BrookhavenGA.gov

REUNIÓN COMUNITARIA SOBRE LA FASE II DE PEACHTREE CREEK GREENWAY

6 de Diciembre, 2021
Asociación Latinoamericana
2750 Buford Highway NE
Brookhaven, GA 30324
6 – 8 pm

Nos gustaría invitar a la comunidad a una reunión informativa sobre los planes de construcción finales de la Fase II de Peachtree Creek Greenway. El sendero de uso múltiple recorre 0.9 millas desde la línea divisoria entre Brookhaven y Atlanta, hasta la Fase I del Peachtree Creek Greenway en North Druid Hills Road. Brookhaven, como patrocinador del proyecto local del Departamento de Transporte de Georgia (GDOT), espera poder escuchar comentarios de la comunidad y trabajar en conjunto para completar este importante proyecto.

- PARA MÁS INFORMACIÓN SOBRE PEACHTREE CREEK GREENWAY, VISITE BROOKHAVENGA.GOV/PCG
- PARA REVISAR LA PRESENTACIÓN DE LA FASE II Y ENVIAR COMENTARIOS EN LÍNEA ENTRE EL 7 Y EL 22 DE DICIEMBRE, VISITE BROOKHAVENGA.GOV/PARKSREC/PAGE/PHASE-II
- SEGÚN LAS RECOMENDACIONES DE LOS CENTROS PARA EL CONTROL Y LA PREVENCIÓN DE ENFERMEDADES, LOS ASISTENTES DEBERÁN USAR MASCARILLAS Y CUMPLIR CON LAS NORMAS DE DISTANCIAMIENTO SOCIAL
- TENDREMOS MASCARILLAS DISPONIBLES PARA TODOS LOS PARTICIPANTES
- LA REUNIÓN CUMPLE CON LOS REQUISITOS DE ADA. ENVÍE UN CORREO ELECTRÓNICO A PATTY.HANSEN@BROOKHAVENGA.GOV O LLAME AL 770-853-4720 SI NECESITA OBTENER MÁS INFORMACIÓN

Brookhaven
GEORGIA

PEACHTREE CREEK GREENWAY PHASE II COMMUNITY MEETING

December 6, 2021
Latin American Association
2750 Buford Highway NE
Brookhaven, GA 30324
6 – 8 pm

We would like to welcome the community to an informational meeting and review of the final alignment for Phase II of the Peachtree Creek Greenway. The multi-use trail runs 0.9 miles from the Brookhaven/ Atlanta line to Phase I of the Greenway at North Druid Hills Road. Brookhaven, as local project sponsor for the Georgia Department of Transportation, is looking forward to receiving community comments and working together to bring this important project to completion.

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- MASKS WILL BE AVAILABLE FOR ALL PARTICIPANTS
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Brookhaven GEORGIA

From: Richard Altwarg <raltwarg@gmail.com>
Sent: Tuesday, December 7, 2021 6:52 PM
To: PCGphaseIIcomments@brookhavenga.gov
Subject: I Support the Greenway

Categories: Filed by Newforma

I Support the Greenway!

Richard Altwarg
4562 Candler Lake East NE
Brookhaven

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

From: Nick Burchell <nick@nickburchell.com>
Sent: Tuesday, December 7, 2021 1:42 PM
To: PCGphaseIIcomments@brookhavenga.gov
Subject: I support the Greenway!!

I support the Greenway!!

The Greenway is an amazing resources for residents and for economic development in our small part of Atlanta as well as in the larger region. I strongly support its continued growth and expansion.

Nick Burchell
2066 Jordan Terrace NE
Atlanta, GA
30345
nick@nickburchell.com

_NICK BURCHELL_312-502-2195 // nick@nickburchell.com
_NICK BURCHELL PHOTO // http://www.nickburchell.com_312-502-2195 // nick@nickburchell.com

City of Brookhaven – Public Meeting – Peachtree Creek Greenway - Phase II – P.I. No. 0016053
County: DeKalb, Date: December 6, 2021

Comment Card

Please print responses.

Name Steve Clowse

Address 2327 Echo Cliff Court
Atlanta, GA 30345

Email sclowse@gmail.com

Do you support the Peachtree Creek Greenway - Phase II? (check your response)

☒ *For* ☐ *Against* ☐ *Conditional* ☐ *Uncommitted*

General Comments

I am pleased that the plan shows the Greenway along the Creek vs the ~~Highway~~ (Buford) as the natural setting is great. The access points to Buford Highway give additional points for traffic - great! This will be great! Thank you for pursuing this

How did you hear about this Public Meeting? (check all that apply)

☐ *Newspaper* ☐ *Signs* ☐ *Website* ☒ *Word of Mouth* ☐ *Social* Media ☐ *Other* _____

Was the information provided clear and understandable for you to review? ☒ Yes ☐ No

If no, please suggest additional information that would enhance your understanding of the project.

Please share your suggestions on improving the ways the City of Brookhaven provides Public Information on proposed projects:

Peachtree Creek Greenway – Phase II
City of Brookhaven, Attn: Andy Kennedy
4362 Peachtree Rd, Brookhaven, GA 30319
(770) 853-4720

City of Brookhaven – Public Meeting – Peachtree Creek Greenway - Phase II – P.I. No. 0016053
County: DeKalb, Date: December 6, 2021

Comment Card

Please print responses.

Name Charles Crane
Address 317 North Clarendon Avenue
Scottdale, GA 30079
Email bill.csicrane@gmail.com

Do you support the Peachtree Creek Greenway - Phase II? (check your response)

☑ *For* ☐ *Against* ☐ *Conditional* ☐ *Uncommitted*

General Comments

The PCG Phase I. is my favorite multi-use trail in metro Atlanta. Cannot wait for Phase II.

How did you hear about this Public Meeting? (check all that apply)

☑ *Newspaper* ☐ *Signs* ☐ *Website* ☐ *Word of Mouth* ☐ *Social* Media ☐ *Other* _____

Was the information provided clear and understandable for you to review? ☑ Yes ☐ No

If no, please suggest additional information that would enhance your understanding of the project.

Identifying landmark buildings on topo maps.

Please share your suggestions on improving the ways the City of Brookhaven provides Public Information on proposed projects:

Posting meeting notice of City Facebook page.

From: Karen Darko <karendarko@bellsouth.net>
Sent: Tuesday, December 7, 2021 2:23 PM
To: PCGphaseIIcomments@brookhavenga.gov
Subject: Proposed PCG - Phase II

Categories: Filed by Newforma

Hi,

I attended the public meeting for the proposed Peachtree Creek Greenway - Phase II.

As a whole, I am very much in favor of the plan that was presented. It is well thought out and does not disturb much of the natural area around the creek.

I'm in favor of the project for these reasons:

- It will help with connectivity to other trails in the area, increasing resident's ability to enjoy their community and potentially reducing the use of automobiles
- It may encourage other cities, Chamblee for example, to complete their parts of the PCG
- It has the potential to reduce car pollution and help with climate warming
- It has the potential to improve the health of residents

I appreciate the opportunity to provide feedback.

Many thanks,
Karen Darko

2416 Coosawattee Drive NE
Atlanta, GA 30329

City of Brookhaven – Public Meeting – Peachtree Creek Greenway - Phase II – P.I. No. 0016053
County: DeKalb, Date: December 6, 2021

Comment Card

Please print responses.

Name Michael Diaz

Address 1172 Victoria St NE
Brookhaven GA 30319

Email michael.enrique@gmail.com

Do you support the Peachtree Creek Greenway - Phase II? (check your response)

☒ *For* ☐ *Against* ☐ *Conditional* ☐ *Uncommitted*

General Comments Provide connectivity planning for the neighborhoods. the bridges will one day get built once there is critical mass of supporters. Glad to see the trail following the creek. Provide more art.

How did you hear about this Public Meeting? (check all that apply)

☐ *Newspaper* ☐ *Signs* ☐ *Website* ☐ *Word of Mouth* ☐ *Social* Media ☒ *Other* email from city.

Was the information provided clear and understandable for you to review? ☒ Yes ☐ No

If no, please suggest additional information that would enhance your understanding of the project.

Please share your suggestions on improving the ways the City of Brookhaven provides Public Information on proposed projects:

Please start adding QR codes to notices. Thanks.

Peachtree Creek Greenway – Phase II
City of Brookhaven, Attn: Andy Kennedy
4362 Peachtree Rd, Brookhaven, GA 30319
(770) 853-4720

City of Brookhaven – Public Meeting – Peachtree Creek Greenway - Phase II – P.I. No. 0016053
County: DeKalb, Date: December 6, 2021

Comment Card

Please print responses.

Name Betsy Eggers

Address 1408 Tugaloo Dr
Brookhaven

Email betseyeggers@gmail.com

Do you support the Peachtree Creek Greenway - Phase II? (check your response)

☒ *For* ☐ *Against* ☐ *Conditional* ☐ *Uncommitted*

General Comments It would be great to put the pedestrian bridge (to ~~FCMA~~ property) ~~as~~ for future plans.

How did you hear about this Public Meeting? (check all that apply)

☐ *Newspaper* ☐ *Signs* ☐ *Website* ☒ *Word of Mouth* ☒ *Social* Media ☐ *Other* _____

Was the information provided clear and understandable for you to review? ☒ Yes ☐ No

If no, please suggest additional information that would enhance your understanding of the project.

Please share your suggestions on improving the ways the City of Brookhaven provides Public Information on proposed projects:

Great job!

From: Betsy Eggers <betsyeggers@gmail.com>
Sent: Tuesday, December 7, 2021 10:22 AM
To: PCGphaseIIcomments@brookhavenga.gov
Subject: Thank you for the great meeting

Dear City of Brookhaven, Heath-Lineback, and Perez Planning,

The meeting last night was informative, the right length of time, and easy to come and go. It started in a timely fashion, but even though coming later when most people had left, were greeted and quickly engaged and brought up to speed individually. Feedback was very encouraged. Having the opportunity to engage in both English and Spanish is very important in our diverse community — thank you.

As I mentioned in my comments, I support Phase 2 of the Greenway. I do think a 'penciled in' pedestrian bridge-for-the-future to connect to the Pine Hills neighborhood will be appropriate. I believe there is available public land — FEMA property — that could be considered as a landing point. That could be shown in drafts now and then funded and implemented in the future when the neighborhood will be clamoring for access.

In appreciation,

Elizabeth Eggers
1408 Tugaloo Dr
Brookhaven GA
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8

Patrick Peters

From: Tom Embry <tandkembry@bellsouth.net>
Sent: Tuesday, December 7, 2021 9:53 AM
To: PCGphaseIIcomments@brookhavenga.gov
Subject: Phase-2 Comments from Tom Embry

Categories: Filed by Newforma

I attended the public meeting at the Latin American Association for Phase II of the PCG. Overall, I think the plan presented was excellent. It continues the 14-foot wide path of the existing Greenway, and it seems to preserve as much of the natural area surrounding the creek as possible.

I favor the completion of this project for the following reasons.

1. It provides much-needed connectivity to existing and under-design trails elsewhere in the area, especially the Atlanta Beltline and PATH-400 Trail.
2. It offers an alternative to car travel that a good many people will actually use when it connects to other destinations: Buford Highway businesses, Atlanta and Buckhead offices, and houses in other neighborhoods.
3. It will improve the health of our population as people discover an interesting and appealing new place to walk, run, and bike.
4. It could potentially reduce air pollution and climate warming.
5. It gives Brookhaven residents a place to get outside and enjoy nature.
6. It will encourage ongoing efforts to clean up Peachtree Creek.
7. It will encourage our neighbors (Atlanta, Chamblee, Doraville) to complete their parts of the PCG.
8. The cost, while significant, is small compared to what we spend on building and maintaining automobile infrastructure.
9. We should support the PCG by building more bike lanes and paths to allow people to bike rather than drive to the PCG trailheads.
10. Idea: consider at least constructing a temporary gravel trail that connects from the south-most point of Phase II to the Cheshire Farms Trail. This would have to be coordinated with the city of Atlanta of course.
11. Idea: give Brookhaven police enough bicycles that they can patrol the trail to keep it safe.

Thanks for the opportunity to comment.

Tom Embry
2416 Coosawattee Dr. NE
Brookhaven, GA 30319

City of Brookhaven – Public Meeting – Peachtree Creek Greenway - Phase II – P.I. No. 0016053
County: DeKalb, Date: December 6, 2021

Comment Card

Please print responses.

Name Sally Epstein

Address 1262 Gail Dr. NE
Brookhaven 30319

Email sallymaika@yahoo.com

Do you support the Peachtree Creek Greenway - Phase II? (check your response)

☑ *For* ☐ *Against* ☐ *Conditional* ☐ *Uncommitted*

General Comments I am so ready for the trail!

How did you hear about this Public Meeting? (check all that apply)

☐ *Newspaper* ☐ *Signs* ☐ *Website* ☑ *Word of Mouth* ☐ *Social* Media ☐ *Other* _____

Was the information provided clear and understandable for you to review? ☑ Yes ☐ No

If no, please suggest additional information that would enhance your understanding of the project.

Please share your suggestions on improving the ways the City of Brookhaven provides Public Information on proposed projects:

Peachtree Creek Greenway – Phase II
City of Brookhaven, Attn: Andy Kennedy
4362 Peachtree Rd, Brookhaven, GA 30319
(770) 853-4720

From: Jimmy Farrar <jimmy.farrar@gmail.com>
Sent: Tuesday, December 7, 2021 4:39 PM
To: PCGphaseIIcomments@brookhavenga.gov
Subject: Peachtree Creek Greenway

Categories: Filed by Newforma

I support the Greenway.

I would love to see it connect south to the Atlanta Beltline trail

Jimmy Farrar
1940 Radar Rd NE, Atlanta, GA 30345

11

Patrick Peters

From: Ben Fogle <bensfogle@gmail.com>
Sent: Tuesday, December 7, 2021 1:12 PM
To: pcgphaseiicomments@brookhavenga.gov
Subject: I support the Greenway

Categories: Filed by Newforma

Hello! I just wanted to voice my support for the extension of the PCG. I live at 1998 Shalimar Dr NE, Atlanta, GA 30345 in the Clairmont Terrace neighborhood, and look forward to using the full PCG.

Thank you!

Ben Fogle
--
Ben Fogle

City of Brookhaven – Public Meeting – Peachtree Creek Greenway - Phase II – P.I. No. 0016053
County: DeKalb, Date: December 6, 2021

Comment Card

Please print responses.

Name RONDA FOX

Address 2250 Matthews St NE
Brookhaven GA 30319

Email RFOX@POLKCIS.COM

Do you support the Peachtree Creek Greenway - Phase II? (check your response)

☒ *For* ☐ *Against* ☐ *Conditional* ☐ *Uncommitted*

General Comments The last few years of COVID have taught us many lessons, one is the value of outside public spaces. The mental + physical health benefits of walking along a creek in nature are huge! The connection this path will provide to other areas will economically benefit all communities. Traffic jams are frequent. Getting cars off the road will improve air quality and quality of life.

How did you hear about this Public Meeting? (check all that apply)

☐ *Newspaper* ☐ *Signs* ☐ *Website* ☐ *Word of Mouth* ☒ *Social* Media ☐ *Other* _____

Was the information provided clear and understandable for you to review? ☒ Yes ☐ No

If no, please suggest additional information that would enhance your understanding of the project.

Please share your suggestions on improving the ways the City of Brookhaven provides Public Information on proposed projects:

I think there is a little park that my daughter and I used to go to called Shady Valley Park. I think it may be just across the creek from the path. Is there some way we can connect across the creek?

Peachtree Creek Greenway – Phase II
City of Brookhaven, Attn: Andy Kennedy
4362 Peachtree Rd, Brookhaven, GA 30319
(770) 853-4720

13

Patrick Peters

From: linda <linda@transformationjourneysww.com> Linda Herzer
Sent: Tuesday, December 7, 2021 7:00 AM
To: PCGphaseIIcomments@brookhavenga.gov
Subject: Phase II of the Peachtree Creek Greenway

Categories: Filed by Newforma

I am writing in support of Phase II of the PCG.

As a 60-year-old woman who lives off Sheridan Road, I often bike Phase I of the PCG.

Since I am leary of riding in traffic, I really appreciate having a dedicated and aesthetically pleasing bike/walking trail to use that is close to where I live.

Phase II will be a much welcome addition to this existing trail and will provide another avenue for me to maintain my physical fitness.

Linda Herzer
she/her/hers
(678) 620-9129 Cell
637 Briarhill Lane NE
Atlanta, Georgia
www.TransformationJourneysWW.com
Twitter: @transformjournys

City of Brookhaven – Public Meeting – Peachtree Creek Greenway - Phase II – P.I. No. 0016053
County: DeKalb, Date: December 6, 2021

Comment Card

Please print responses.

Name JACK HONDERD

Address 1408 TUGALOO DR
ATLANTA, GA 30319

Email jkhonderd@gmail.com

Do you support the Peachtree Creek Greenway - Phase II? (check your response)

☒ *For* ☐ *Against* ☐ *Conditional* ☐ *Uncommitted*

General Comments

Outstanding plan & design! Please move up the schedule -- I need a safe way to commute (by bike) to Midtown.

How did you hear about this Public Meeting? (check all that apply)

☐ *Newspaper* ☐ *Signs* ☐ *Website* ☒ *Word of Mouth* ☐ *Social* Media ☐ *Other* _____

Was the information provided clear and understandable for you to review? ☒ Yes ☐ No

If no, please suggest additional information that would enhance your understanding of the project.

Please share your suggestions on improving the ways the City of Brookhaven provides Public Information on proposed projects:

City of Brookhaven – Public Meeting – Peachtree Creek Greenway - Phase II – P.I. No. 0016053
County: DeKalb, Date: December 6, 2021

Comment Card

Please print responses.

Name Lauren Kiefer

Address 2469 Oostanaula Dr
Brookhaven 30319

Email Lkiefer456@gmail.com

Do you support the Peachtree Creek Greenway - Phase II? (check your response)

☒ *For* ☐ *Against* ☐ *Conditional* ☐ *Uncommitted*

General Comments Love the Greenway. Don't know what can be done specifically to keep the Homeless population at bay.

How did you hear about this Public Meeting? (check all that apply)

☐ *Newspaper* ☐ *Signs* ☐ *Website* ☐ *Word of Mouth* ☐ *Social* Media ☒ *Other* Brookhaven Blast

Was the information provided clear and understandable for you to review? ☒ Yes ☐ No

If no, please suggest additional information that would enhance your understanding of the project.

Please share your suggestions on improving the ways the City of Brookhaven provides Public Information on proposed projects:

Dunno. I read The Blast every Friday and it's awesome.

Peachtree Creek Greenway – Phase II
City of Brookhaven, Attn: Andy Kennedy
4362 Peachtree Rd, Brookhaven, GA 30319
(770) 853-4720

City of Brookhaven – Public Meeting – Peachtree Creek Greenway - Phase II – P.I. No. 0016053
County: DeKalb, Date: December 6, 2021

Comment Card

Please print responses.

Name Marjon Manitius

Address 1393 ETOWAH DR.
Brookhaven GA 30319

Email marjon.manitius@gmail.com

Do you support the Peachtree Creek Greenway - Phase II? (check your response)

☑ For ☐ Against ☐ Conditional ☐ Uncommitted

General Comments - great design + good quality only comment I have on that is speed, can we have it sooner?
- align NORTH section to be done simultaneously
- include median striping

How did you hear about this Public Meeting? (check all that apply)

☐ Newspaper ☐ Signs ☐ Website ☑ Word of Mouth ☑ Social Media ☐ Other _____

Was the information provided clear and understandable for you to review? ☑ Yes ☐ No

If no, please suggest additional information that would enhance your understanding of the project.
present timeline

Please share your suggestions on improving the ways the City of Brookhaven provides Public Information on proposed projects:

make clear it is a walkin between 6-8, it seemed a full 2 hours which scares people away

Peachtree Creek Greenway – Phase II
City of Brookhaven, Attn: Andy Kennedy
4362 Peachtree Rd, Brookhaven, GA 30319
(770) 853-4720

From: Marjon Manitius <marjon.manitius@gmail.com>
Sent: Tuesday, December 7, 2021 7:31 PM
To: PCGphaseIIcomments@brookhavenga.gov
Subject: PCG

Hello,

I support the development of phase 2 of the Peachtree Creek Greenway. The Peachtree Creek Greenway is a great way to connect places with alternative modes of transportation. I'm specifically excited about the ability to bike from Brookhaven to downtown Atlanta and able to avoid all traffic.

Marjon Manitius
1393 Etowah Drive
Brookhaven GA 30319
CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

City of Brookhaven – Public Meeting – Peachtree Creek Greenway - Phase II – P.I. No. 0016053
County: DeKalb, Date: December 6, 2021

Comment Card

Please print responses.

Name William B Marks

Address 165 Dekalb Industrial Blvd
Decatur, GA.

Email bmarks@marksparkinson.com

Do you support the Peachtree Creek Greenway - Phase II? (check your response)

☑ *For* ☐ *Against* ☐ *Conditional* ☐ *Uncommitted*

General Comments A wonderful use of land that will benefit the entire community

How did you hear about this Public Meeting? (check all that apply)

☐ *Newspaper* ☐ *Signs* ☐ *Website* ☐ *Word of Mouth* ☐ *Social* Media ☑ *Other* _____

Was the information provided clear and understandable for you to review? ☑ Yes ☐ No

If no, please suggest additional information that would enhance your understanding of the project.

Please share your suggestions on improving the ways the City of Brookhaven provides Public Information on proposed projects:

Peachtree Creek Greenway – Phase II
City of Brookhaven, Attn: Andy Kennedy
4362 Peachtree Rd, Brookhaven, GA 30319
(770) 853-4720

City of Brookhaven – Public Meeting – Peachtree Creek Greenway - Phase II – P.I. No. 0016053
County: DeKalb, Date: December 6, 2021

Comment Card

Please print responses.

Name Sharletta McKinney

Address 1754 Buckhead Valley LN NE
Atlanta, GA 30324

Email Sbmckinney@bellsouth.net

Do you support the Peachtree Creek Greenway - Phase II? (check your response)

☑ *For* ☐ *Against* ☐ *Conditional* ☐ *Uncommitted*

General Comments This is a BIG deal and I'm 100% supportive!!!

How did you hear about this Public Meeting? (check all that apply)

☐ *Newspaper* ☑ *Signs* ☐ *Website* ☑ *Word of Mouth* ☐ *Social* Media ☐ *Other* _____

Was the information provided clear and understandable for you to review? ☑ Yes ☐ No

If no, please suggest additional information that would enhance your understanding of the project.

Please share your suggestions on improving the ways the City of Brookhaven provides Public Information on proposed projects:

Peachtree Creek Greenway – Phase II
City of Brookhaven, Attn: Andy Kennedy
4362 Peachtree Rd, Brookhaven, GA 30319
(770) 853-4720

City of Brookhaven – Public Meeting – Peachtree Creek Greenway - Phase II – P.I. No. 0016053
County: DeKalb, Date: December 6, 2021

Comment Card

Please print responses.

Name HIMANSHU MISHRA

Address 2665 Rivers Edg. Dr. NE
Atlanta, 30324

Email tibbu29@yahoo.com

Do you support the Peachtree Creek Greenway - Phase II? (check your response)

☒ *For* ☐ *Against* ☐ *Conditional* ☐ *Uncommitted*

General Comments I would Love to have the version of beltline with access to my residence I am very excited about it.

How did you hear about this Public Meeting? (check all that apply)

☐ *Newspaper* ☐ *Signs* ☐ *Website* ☒ *Word of Mouth* ☐ *Social* Media ☐ *Other* _____

Was the information provided clear and understandable for you to review? ☐ Yes ☒ No

If no, please suggest additional information that would enhance your understanding of the project.
More clarity on timeline

Please share your suggestions on improving the ways the City of Brookhaven provides Public Information on proposed projects:
Looking forward for it

Peachtree Creek Greenway – Phase II
City of Brookhaven, Attn: Andy Kennedy
4362 Peachtree Rd, Brookhaven, GA 30319
(770) 853-4720

City of Brookhaven – Public Meeting – Peachtree Creek Greenway - Phase II – P.I. No. 0016053
County: DeKalb, Date: December 6, 2021

Comment Card

Please print responses.

Name Meredith O'Connor

Address 2448 Oostanaula Dr NE
Brookhaven, GA 30319

Email info@rroconnor.com

Do you support the Peachtree Creek Greenway - Phase II? (check your response)

☒ For ☐ Against ☐ Conditional ☐ Uncommitted

General Comments This is an incredible project. Please consider separate walking paths – take a look at Minneapolis, MN. They have an incredible bike/walk path. The land was acquired in the mid 1800's! Future planning

How did you hear about this Public Meeting? (check all that apply)

☐ Newspaper ☐ Signs ☐ Website ☒ Word of Mouth ☐ Social Media ☐ Other _____

Was the information provided clear and understandable for you to review? ☒ Yes ☐ No

If no, please suggest additional information that would enhance your understanding of the project.

Please share your suggestions on improving the ways the City of Brookhaven provides Public Information on proposed projects:

City of Brookhaven – Public Meeting – Peachtree Creek Greenway - Phase II – P.I. No. 0016053
County: DeKalb, Date: December 6, 2021

Comment Card

Please print responses.

Name Alex Ortiz

Address 4 Alston PL NE

Email alexo83@gmail.com

Do you support the Peachtree Creek Greenway - Phase II? (check your response)

☑ *For* ☐ *Against* ☐ *Conditional* ☐ *Uncommitted*

General Comments Very excited about this section. Great connection to the area. Would love to see it connect to the park on the north side and to Atlanta trails

How did you hear about this Public Meeting? (check all that apply)

☐ *Newspaper* ☐ *Signs* ☐ *Website* ☐ *Word of Mouth* ☑ *Social* Media ☐ *Other* _____

Was the information provided clear and understandable for you to review? ☑ Yes ☐ No

If no, please suggest additional information that would enhance your understanding of the project.

Please share your suggestions on improving the ways the City of Brookhaven provides Public Information on proposed projects:

Peachtree Creek Greenway – Phase II
City of Brookhaven, Attn: Andy Kennedy
4362 Peachtree Rd, Brookhaven, GA 30319
(770) 853-4720

City of Brookhaven – Public Meeting – Peachtree Creek Greenway - Phase II – P.I. No. 0016053
County: DeKalb, Date: December 6, 2021

Comment Card

Please print responses.

Name Graham Phillips

Address 4 Alston PI NE, Atlanta GA 30324

Email gaphil@gmail.com

Do you support the Peachtree Creek Greenway - Phase II? (check your response)

☑ For ☐ Against ☐ Conditional ☐ Uncommitted

General Comments Looking forward to the greenway to come to my community! It will be nice to have easy access and even better when all the sections are connected. I look forward to taking longer walks, biking, and local businesses.

How did you hear about this Public Meeting? (check all that apply)

☐ Newspaper ☐ Signs ☐ Website ☑ Word of Mouth ☐ Social Media ☐ Other _____

Was the information provided clear and understandable for you to review? ☑ Yes ☐ No

If no, please suggest additional information that would enhance your understanding of the project.

Please share your suggestions on improving the ways the City of Brookhaven provides Public Information on proposed projects:

Ciudad de Brookhaven – Reunión Pública – Peachtree Creek Greenway – Fase II – P.I. No. 0016053

Condado: DeKalb, Fecha: 6 de diciembre de 2021

Tarjeta de comentarios

Por favor, escriba las respuestas con letra de molde

Nombre Vesa Pylkkanen

Dirección 1253 Wildcliff circle, Atlanta 30329

Correo Electronico Vapylkka@yahoo.com

¿Apoya el Sendero de la Vía Verde de Peachtree Creek - Fase II? (revisa tu respuesta)

☒ *Para* ☐ *Contra* ☐ *Condicional* ☑ *Sin Compromiso*

Observaciones generales

I am avid user of existing Phase I look forward extending pedicycle access from Lavista Park (current access thoug N. Druid Hill Rd is not safe.

¿Cómo se enteró de esta Reunión Pública? (marque todo lo que corresponda)

☐ *Periodico* ☐ *Signos* ☐ *Boca a Boca* ☐ *Red Social* ☒ *Sitio Web* ☐ *Otro*

¿Fue la La información proporcionada clara y comprensible para que usted la revisara? Si ☒ No ☐

Si no es así, sugiera información adicional que mejore su comprensión del proyecto.

Por favor, comparta sus sugerencias para mejorar las formas en que la Ciudad de Brookhaven proporciona Información Pública sobre proyectos propuestos:

Neighborhood letter in mail still works

Homeowner association have active emails

City of Brookhaven – Public Meeting – Peachtree Creek Greenway - Phase II – P.I. No. 0016053
County: DeKalb, Date: December 6, 2021

Comment Card

Please print responses.

Name Lauren Rock

Address 1195 Woods Circle NE
ATL 30324

Email lauren-s-rock@hotmail.com

Do you support the Peachtree Creek Greenway - Phase II? (check your response)

☒ *For* ☐ *Against* ☐ *Conditional* ☐ *Uncommitted*

General Comments Please add a bridge connecting the Greenway to the Pine Hills neighborhood. This could be done to Shady Valley Park and via the ~~city~~ government owned lot/plot on Victor Rd. Thanks.

How did you hear about this Public Meeting? (check all that apply)

☐ *Newspaper* ☐ *Signs* ☐ *Website* ☑ *Word of Mouth* ☑ *Social* Media ☐ *Other* _____

Was the information provided clear and understandable for you to review? ☒ Yes ☐ No

If no, please suggest additional information that would enhance your understanding of the project.

Please share your suggestions on improving the ways the City of Brookhaven provides Public Information on proposed projects:

Peachtree Creek Greenway – Phase II
City of Brookhaven, Attn: Andy Kennedy
4362 Peachtree Rd, Brookhaven, GA 30319
(770) 853-4720

City of Brookhaven – Public Meeting – Peachtree Creek Greenway - Phase II – P.I. No. 0016053
County: DeKalb, Date: December 6, 2021

Comment Card

Please print responses.

Name Jarad Schiffer

Address 1195 Woods Circle
Atlanta, GA 30324

Email jarad schiffer@hotmail.com

Do you support the Peachtree Creek Greenway - Phase II? (check your response)

☑ For ☐ Against ☐ Conditional ☐ Uncommitted

General Comments A connection to the Pike Hills neighborhood somewhere along Buford Highway would be appreciated.

How did you hear about this Public Meeting? (check all that apply)

☐ Newspaper ☐ Signs ☐ Website ☑ Word of Mouth ☐ Social Media ☐ Other _____

Was the information provided clear and understandable for you to review? ☑ Yes ☐ No

If no, please suggest additional information that would enhance your understanding of the project.

Please share your suggestions on improving the ways the City of Brookhaven provides Public Information on proposed projects:

Peachtree Creek Greenway – Phase II
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(770) 853-4720

City of Brookhaven – Public Meeting – Peachtree Creek Greenway - Phase II – P.I. No. 0016053
County: DeKalb, Date: December 6, 2021

Comment Card

Please print responses.

Name Aileen de la Torre

Address 2407 Sherbrooke Drive NE
Atlanta 30345

Email aileen.delatorre@decaturga.com

Do you support the Peachtree Creek Greenway - Phase II? (check your response)

☒ *For* ☐ *Against* ☐ *Conditional* ☐ *Uncommitted*

General Comments

This is such a great idea and it's been way too long in happening. My house backs up to P'tree Creek in unincorporated DeKalb and I'm so looking forward to when the trail finally reaches me.

How did you hear about this Public Meeting? (check all that apply)

☐ *Newspaper* ☐ *Signs* ☐ *Website* ☐ *Word of Mouth* ☒ *Social* Media ☐ *Other* _____

Was the information provided clear and understandable for you to review? ☒ Yes ☐ No

If no, please suggest additional information that would enhance your understanding of the project.

Please share your suggestions on improving the ways the City of Brookhaven provides Public Information on proposed projects:

From: Nolan Wells <Nolan.Wells@amtrustgroup.com>
Sent: Tuesday, December 7, 2021 10:25 AM
To: 'PCGphaseIIcomments@brookhavenga.gov'
Subject: I support the Peachtree Creek Greenway

Nolan And Melanie Wells
2681 South Bamby Lane
Brookhaven, GA 30319

Nolan Wells, CIC, CPCU
Underwriting Director
AmTrust Financial Services, Inc.
O: 678.258.8149
3925 Brookside Parkway
Alpharetta, GA 30022
www.amtrustfinancial.com

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Patrick Peters

From: Adam J Wiitala <ajwiitala@gmail.com>
Sent: Sunday, December 19, 2021 10:04 AM
To: PCGphaseIIcomments@brookhavenga.gov
Subject: Great Public Use

Categories: Filed by Newforma

I am 100% for this new addition to our walk with nature!

Let's work toward connecting Brookhaven to the greater metro area.

Our waterways, being for all of the public, need to be supported through our walkway/path initiatives!

Thank you,
Adam Wiitala
Brookhaven GA

City of Brookhaven – Public Meeting – Peachtree Creek Greenway - Phase II – P.I. No. 0016053
County: DeKalb, Date: December 6, 2021

Comment Card

Please print responses.

Name CLIFF ZEBER

Address 2688 RIVERS EDGE DR NE
ATLANTA, GA 30324

Email CZEBER@DOMESTICCOMFORT.COM

Do you support the Peachtree Creek Greenway - Phase II? (check your response)

☒ *For* ☐ *Against* ☐ *Conditional* ☐ *Uncommitted*

General Comments

How did you hear about this Public Meeting? (check all that apply)

☐ *Newspaper* ☐ *Signs* ☐ *Website* ☒ *Word of Mouth* ☐ *Social* Media ☐ *Other* _____

Was the information provided clear and understandable for you to review? ☒ Yes ☐ No

If no, please suggest additional information that would enhance your understanding of the project.

Please share your suggestions on improving the ways the City of Brookhaven provides Public Information on proposed projects:

Peachtree Creek Greenway – Phase II
City of Brookhaven, Attn: Andy Kennedy
4362 Peachtree Rd, Brookhaven, GA 30319
(770) 853-4720

From: Valerie <valerie.zuver@gmail.com>
Sent: Tuesday, December 7, 2021 10:30 AM
To: PCGphaseIIcomments@brookhavenga.gov
Subject: Support for Peachtree Creek Greenway

As a cyclist and walker in the community, I support extension of the Peachtree Creek Greenway!

Sincerely,
Valerie Moyer
3654 Spring St, Chamblee, GA 30341

March 22, 2022

Subject: Responses to Public Information Open House Comments for PI # 0016053, DeKalb County, Peachtree Creek Greenway Trail from Atlanta to North Druid Hills Road-Phase II

Thank you for your comments concerning the proposed project referenced above. We appreciate your participation and all of the input that was received as a result of the Public Information Open House (PIOH) that was held December 6, 2021. Every written comment received will be made part of the project's official record.

A total of **40** people attended the open house in person, and 384 people viewed information on the city's project website (https://www.brookhavenga.gov/publicworks/page/peachtree-creek-greenway-phase-ii). Of the **30** respondents who formally commented, **all expressed support** of the project, **none** were **opposed**, **none** were **uncommitted**, and **none** expressed **conditional support**.

The City of Brookhaven placed ads for the PIOH in both English and Spanish in local newspapers, and advertised the meeting on the city's social media outlets. The project information on the project website was also made available in both English and Spanish. Two translators were also available at the PIOH held at the Latin American Association building. The attendees of the open house and those persons sending in comments within the comment period raised the following questions. The City of Brookhaven has prepared this one response letter that addresses all comments received so that everyone can be aware of the questions raised and the responses given. Please find the comments summarized below (in *italics*) followed by our response.

There were numerous reasons expressed in support of this project including improving air quality, expanded recreational opportunities, and community connectivity. The City of Brookhaven appreciates the support of the community for this project.

- *Several comments were received inquiring about connectivity of Phase II to the Pine Hills neighborhood by way of pedestrian bridge of Peachtree Creek, Shady Valley Park, and existing area trails such as the Atlanta BeltLine and Cheshire Farms Trail.*

The scope and funding do not provide for extensions of the trail or additional pedestrian bridges with this project. However, the City of Brookhaven understands the need and desire to connect communities with shared use paths such as the Peachtree Creek Greenway and appreciates ideas for future connectivity. Several of these connections are beyond the City limits and would need to be implemented by the City of Atlanta. These ideas will be considered in planning processes and future coordination with neighboring jurisdictions by the City for future pedestrian projects.

- *Comments were received to consider separate walking and biking trails, or to include median striping to help with separating user activity.*

The shared use path will include a saw cut centerline marking. Separate walking and biking trails or designated areas require a bigger project footprint, increasing the cost of construction and

right-of-way. The proposed 14-foot wide trail would provide sufficient space for multiple types of users.

- *"Consider providing art along the trail."*

The design team will work with the City to identify potential locations for future art along the trail. The current project budget does not include artwork in the initial project construction.

- *Comments were received relating to public safety and suggesting that the City of Brookhaven police department be equipped with bicycles to patrol the trail. A comment was also received about addressing the homeless population.*

Currently, City police do patrol the existing segment of the trail and will continue to do so for this extension. The project also includes lighting and cameras for added security.

- *Several comments were received regarding the timing of the project, coordinating this project with the phase to connect at the north end, and what can be done to accelerate the schedule.*

The project is currently in the preliminary plans phase, with right-of-way acquisition the next major milestone in the project. Under the current schedule, the proposed trail would begin construction in 2024, with completion in 2026. However, the City and the design team are working to accelerate the schedule where possible. Updates on the schedule will be posted to the City's project website. With regards to coordinating this project with Phase III of the Peachtree Creek Greenway Trail, Phase III has been advertised for design and the City anticipates awarding the project soon to get it underway. So while it will not occur simultaneously with Phase II, it should begin construction soon after Phase II is completed.

Again, thank you for your comments. Should you have further questions or comments, please contact the City of Brookhaven Project Manager, Andy Kennedy at 404-637-0724, or the GDOT project manager, Felecia Basolo, at 770-263-5945.

Sincerely,

Andy Kennedy
Public Works Capital Projects Manager
City of Brookhaven

AK/ng-epei

cc: Felecia Basolo, GDOT Project Manager (via email)
PDF for Project File

APPENDIX G

HEC-RAS DUPLICATE EFFECTIVE CONDITION MULTI-PROFILE MODEL

Standard Table 1

HEC-RAS Plan: EX Locations: User Defined

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
NFPC	Main	6189	002yr	6784.82	813.86	830.34	822.00	830.93	0.000528	6.28	1214.27	114.94	0.29
NFPC	Main	6189	005yr	9778.37	813.86	833.26	824.06	834.05	0.000566	7.34	1566.43	210.06	0.31
NFPC	Main	6189	010yr	11700.76	813.86	833.23	825.35	834.36	0.000816	8.80	1561.97	208.91	0.37
NFPC	Main	6189	025yr	14130.90	813.86	835.12	826.69	836.23	0.000745	9.00	2206.32	465.92	0.36
NFPC	Main	6189	050yr	16152.80	813.86	836.57	827.73	837.51	0.000627	8.67	3093.36	692.89	0.34
NFPC	Main	6189	100yr	18555.97	813.86	838.90	828.91	839.40	0.000353	6.98	4754.87	729.26	0.26
NFPC	Main	6189	200yr	21561.65	813.86	840.90	830.24	841.26	0.000249	6.20	6264.08	779.91	0.22
NFPC	Main	6189	500yr	25365.26	813.86	842.78	831.76	843.06	0.000195	5.76	8018.04	1083.76	0.20
NFPC	Main	6189	2009 Storm	12901.34	813.86	834.16	826.05	835.37	0.000819	9.13	1684.97	281.74	0.38
NFPC	Main	6189	FU100yr	18808.59	813.86	838.89	829.02	839.40	0.000364	7.08	4748.86	729.12	0.26
NFPC	Main	6118 Corporate Blvd		Bridge									
NFPC	Main	6074	002yr	6784.82	813.63	828.69	821.26	829.16	0.001146	5.56	1235.68	113.92	0.29
NFPC	Main	6074	005yr	9778.37	813.63	831.52	823.02	832.16	0.001145	6.42	1571.25	122.70	0.30
NFPC	Main	6074	010yr	11700.76	813.63	833.11	824.03	833.84	0.001151	6.89	1770.52	127.62	0.30
NFPC	Main	6074	025yr	14130.90	813.63	834.99	825.21	835.83	0.001151	7.41	2015.20	209.99	0.31
NFPC	Main	6074	050yr	16152.80	813.63	836.40	826.06	837.33	0.001158	7.82	2206.90	255.90	0.31
NFPC	Main	6074	100yr	18555.97	813.63	837.93	826.94	838.98	0.001181	8.30	2446.48	578.10	0.32
NFPC	Main	6074	200yr	21561.65	813.63	840.45	828.03	841.15	0.000796	7.35	4729.64	750.93	0.27
NFPC	Main	6074	500yr	25365.26	813.63	842.39	829.32	842.97	0.000662	7.07	6252.18	847.86	0.25
NFPC	Main	6074	2009 Storm	12901.34	813.63	834.04	824.64	834.83	0.001155	7.17	1890.22	151.63	0.31
NFPC	Main	6074	FU100yr	18808.59	813.63	838.07	827.05	839.13	0.001185	8.35	2473.12	594.68	0.32
NFPC	Main	5891	002yr	6784.82	813.01	827.99	821.50	828.82	0.001464	7.33	939.75	97.83	0.39
NFPC	Main	5891	005yr	9778.37	813.01	830.71	823.61	831.79	0.001410	8.36	1220.69	108.37	0.40
NFPC	Main	5891	010yr	11700.76	813.01	832.24	825.28	833.46	0.001398	8.94	1390.45	115.11	0.41
NFPC	Main	5891	025yr	14130.90	813.01	834.05	826.72	835.44	0.001367	9.55	1657.89	189.99	0.41
NFPC	Main	5891	050yr	16152.80	813.01	835.48	827.64	836.95	0.001314	9.89	1939.18	246.04	0.41
NFPC	Main	5891	100yr	18555.97	813.01	837.12	828.67	838.62	0.001237	10.15	2359.44	368.62	0.40
NFPC	Main	5891	200yr	21561.65	813.01	839.64	829.90	840.85	0.000925	9.51	3968.34	791.78	0.35
NFPC	Main	5891	500yr	25365.26	813.01	841.87	831.33	842.76	0.000691	8.76	5741.82	801.06	0.31
NFPC	Main	5891	2009 Storm	12901.34	813.01	833.12	826.13	834.44	0.001394	9.28	1504.01	154.14	0.41
NFPC	Main	5891	FU100yr	18808.59	813.01	837.26	828.77	838.77	0.001234	10.19	2401.84	387.12	0.40
NFPC	Main	5577	002yr	6784.82	812.14	827.47		828.37	0.001364	7.65	932.37	94.64	0.39
NFPC	Main	5577	005yr	9778.37	812.14	830.13		831.34	0.001416	8.90	1198.53	105.17	0.41
NFPC	Main	5577	010yr	11700.76	812.14	831.61		833.00	0.001446	9.60	1358.03	110.19	0.42
NFPC	Main	5577	025yr	14130.90	812.14	833.40		834.97	0.001450	10.30	1619.78	177.20	0.43
NFPC	Main	5577	050yr	16152.80	812.14	834.83		836.50	0.001407	10.68	1890.13	198.07	0.43
NFPC	Main	5577	100yr	18555.97	812.14	836.47		838.19	0.001342	11.01	2228.58	219.17	0.42
NFPC	Main	5577	200yr	21561.65	812.14	838.94		840.50	0.001108	10.78	3109.94	468.43	0.39
NFPC	Main	5577	500yr	25365.26	812.14	840.91		842.43	0.001032	10.98	4220.86	714.82	0.38
NFPC	Main	5577	2009 Storm	12901.34	812.14	832.48		833.97	0.001462	9.99	1467.24	145.27	0.43
NFPC	Main	5577	FU100yr	18808.59	812.14	836.61		838.34	0.001342	11.06	2261.87	261.59	0.42
NFPC	Main	5259	002yr	6784.82	812.03	826.24		827.70	0.002967	9.68	701.23	69.96	0.54
NFPC	Main	5259	005yr	9778.37	812.03	828.72		830.63	0.003043	11.08	892.80	82.62	0.56
NFPC	Main	5259	010yr	11700.76	812.03	830.10		832.28	0.003020	11.86	1007.77	84.51	0.57
NFPC	Main	5259	025yr	14130.90	812.03	831.75		834.24	0.002970	12.71	1149.18	86.79	0.58
NFPC	Main	5259	050yr	16152.80	812.03	833.02		835.76	0.002949	13.37	1260.06	88.53	0.58
NFPC	Main	5259	100yr	18555.97	812.03	834.39	829.40	837.45	0.002954	14.12	1409.53	149.75	0.59
NFPC	Main	5259	200yr	21561.65	812.03	837.15	830.67	839.89	0.002272	13.64	2010.61	276.96	0.53
NFPC	Main	5259	500yr	25365.26	812.03	839.21		841.87	0.002042	13.78	2653.58	342.34	0.51
NFPC	Main	5259	2009 Storm	12901.34	812.03	830.89		833.24	0.003025	12.33	1074.84	85.60	0.58
NFPC	Main	5259	FU100yr	18808.59	812.03	834.50	829.51	837.60	0.002972	14.22	1425.62	159.85	0.59
NFPC	Main	5042	002yr	6784.82	811.65	825.72		827.07	0.002567	9.37	767.18	112.71	0.51
NFPC	Main	5042	005yr	9778.37	811.65	828.31		829.97	0.002436	10.50	1106.52	158.10	0.52
NFPC	Main	5042	010yr	11700.76	811.65	829.84		831.58	0.002266	10.92	1351.37	161.67	0.51
NFPC	Main	5042	025yr	14130.90	811.65	831.69		833.51	0.002071	11.31	1654.62	166.05	0.49
NFPC	Main	5042	050yr	16152.80	811.65	833.11		834.99	0.001958	11.63	1892.33	169.53	0.49
NFPC	Main	5042	100yr	18555.97	811.65	834.65		836.62	0.001870	12.01	2157.50	173.47	0.48
NFPC	Main	5042	200yr	21561.65	811.65	837.37		839.22	0.001520	11.83	2639.09	181.45	0.44
NFPC	Main	5042	500yr	25365.26	811.65	839.26		841.31	0.001535	12.55	2987.21	187.14	0.45
NFPC	Main	5042	2009 Storm	12901.34	811.65	830.72		832.52	0.002190	11.16	1494.82	163.73	0.50
NFPC	Main	5042	FU100yr	18808.59	811.65	834.77		836.76	0.001877	12.08	2177.78	173.79	0.48
NFPC	Main	4938	002yr	6784.82	811.08	825.65		826.78	0.001784	8.54	809.12	80.30	0.43
NFPC	Main	4938	005yr	9778.37	811.08	828.13		829.72	0.001964	10.14	1017.81	89.78	0.47
NFPC	Main	4938	010yr	11700.76	811.08	829.46		831.34	0.002086	11.07	1153.39	112.82	0.49
NFPC	Main	4938	025yr	14130.90	811.08	831.07		833.25	0.002154	11.99	1346.67	126.17	0.50
NFPC	Main	4938	050yr	16152.80	811.08	832.33		834.72	0.002184	12.65	1510.31	134.83	0.51
NFPC	Main	4938	100yr	18555.97	811.08	833.70		836.34	0.002217	13.36	1704.14	146.60	0.52
NFPC	Main	4938	200yr	21561.65	811.08	836.43		838.97	0.001854	13.29	2142.12	175.53	0.49
NFPC	Main	4938	500yr	25365.26	811.08	838.16		841.04	0.001944	14.28	2465.33	201.67	0.51
NFPC	Main	4938	2009 Storm	12901.34	811.08	830.22		832.27	0.002152	11.60	1241.06	120.17	0.50
NFPC	Main	4938	FU100yr	18808.59	811.08	833.80		836.47	0.002239	13.46	1717.92	147.53	0.53
NFPC	Main	4838	002yr	6784.82	810.69	825.79	819.81	826.34	0.001341	5.92	1145.56	149.27	0.38
NFPC	Main	4838	005yr	9778.37	810.69	828.48	821.58	829.09	0.001089	6.24	1566.82	162.83	0.35
NFPC	Main	4838	010yr	11700.76	810.69	829.94	822.66	830.59	0.000978	6.49	1808.39	168.31	0.34
NFPC	Main	4838	025yr	14130.90	810.69	831.67	824.22	832.39	0.000881	6.78	2105.29	174.42	0.33
NFPC	Main	4838	050yr	16152.80	810.69	833.01	825.18	833.78	0.000826	7.02	2343.32	180.37	0.33
NFPC	Main	4838	100yr	18555.97	810.69	834.49	825.98	835.31	0.000782	7.29	2613.93	186.90	0.32
NFPC	Main	4838	200yr	21561.65	810.69	837.21	826.87	838.00	0.000615	7.19	3135.97	196.75	0.29
NFPC	Main	4838	500yr	25365.26	810.69	839.05	827.91	839.95	0.000615	7.66	3505.55	209.55	0.30

Standard Table 1

HEC-RAS Plan: EX Locations: User Defined (Continued)

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
NFPC	Main	4838	2009 Storm	12901.34	810.69	830.76	823.53	831.45	0.000939	6.67	1947.72	170.97	0.34
NFPC	Main	4838	FU100yr	18808.59	810.69	834.60	826.04	835.43	0.000785	7.34	2634.06	187.31	0.32
NFPC	Main	4771 Druid Hills Rd		Bridge									
NFPC	Main	4682	002yr	6784.82	810.53	825.13	818.30	825.69	0.001265	6.05	1121.16	132.94	0.37
NFPC	Main	4682	005yr	9778.37	810.53	827.86	820.18	828.52	0.001065	6.50	1507.73	145.60	0.35
NFPC	Main	4682	010yr	11700.76	810.53	829.36	821.26	830.08	0.000983	6.82	1728.67	149.33	0.34
NFPC	Main	4682	025yr	14130.90	810.53	831.07	822.95	831.88	0.000922	7.21	1988.41	154.30	0.34
NFPC	Main	4682	050yr	16152.80	810.53	832.37	824.07	833.25	0.000891	7.53	2191.72	158.79	0.34
NFPC	Main	4682	100yr	18555.97	810.53	833.80	825.17	834.76	0.000868	7.89	2422.78	165.45	0.34
NFPC	Main	4682	200yr	21561.65	810.53	836.58	826.20	837.51	0.000693	7.81	2901.23	176.74	0.31
NFPC	Main	4682	500yr	25365.26	810.53	838.18	827.24	839.28	0.000730	8.45	3188.82	186.19	0.33
NFPC	Main	4682	2009 Storm	12901.34	810.53	830.18	822.12	830.95	0.000960	7.04	1852.46	151.38	0.34
NFPC	Main	4682	FU100yr	18808.59	810.53	833.90	825.28	834.87	0.000875	7.95	2438.91	166.03	0.34
NFPC	Main	4516	002yr	6784.82	809.83	824.04		825.23	0.002339	8.76	776.58	80.79	0.49
NFPC	Main	4516	005yr	9778.37	809.83	826.51		828.00	0.002527	9.83	1007.70	98.94	0.52
NFPC	Main	4516	010yr	11700.76	809.83	827.85		829.54	0.002454	10.46	1143.59	103.45	0.53
NFPC	Main	4516	025yr	14130.90	809.83	829.35		831.30	0.002424	11.22	1302.76	108.03	0.53
NFPC	Main	4516	050yr	16152.80	809.83	830.47		832.63	0.002434	11.84	1424.82	110.92	0.54
NFPC	Main	4516	100yr	18555.97	809.83	831.67		834.09	0.002467	12.56	1560.11	114.00	0.55
NFPC	Main	4516	200yr	21561.65	809.83	834.66		836.93	0.001863	12.22	1911.90	121.69	0.49
NFPC	Main	4516	500yr	25365.26	809.83	835.78		838.57	0.002122	13.55	2051.53	127.74	0.53
NFPC	Main	4516	2009 Storm	12901.34	809.83	828.55		830.39	0.002475	10.90	1216.82	105.61	0.53
NFPC	Main	4516	FU100yr	18808.59	809.83	831.72		834.19	0.002509	12.69	1565.51	114.12	0.56
NFPC	Main	4159	002yr	6784.82	809.39	823.06		824.25	0.003292	8.74	776.55	103.48	0.56
NFPC	Main	4159	005yr	9778.37	809.39	825.73		827.04	0.002547	9.20	1068.39	114.37	0.52
NFPC	Main	4159	010yr	11700.76	809.39	827.20		828.62	0.002289	9.57	1239.51	119.10	0.50
NFPC	Main	4159	025yr	14130.90	809.39	828.80		830.38	0.002135	10.09	1435.76	125.53	0.50
NFPC	Main	4159	050yr	16152.80	809.39	829.98		831.70	0.002075	10.55	1586.19	129.57	0.50
NFPC	Main	4159	100yr	18555.97	809.39	831.24		833.14	0.002044	11.09	1752.20	133.04	0.50
NFPC	Main	4159	200yr	21561.65	809.39	834.48		836.18	0.001435	10.55	2199.05	143.39	0.43
NFPC	Main	4159	500yr	25365.26	809.39	835.63		837.70	0.001615	11.65	2366.75	147.66	0.46
NFPC	Main	4159	2009 Storm	12901.34	809.39	827.93		829.45	0.002250	9.89	1328.33	122.05	0.50
NFPC	Main	4159	FU100yr	18808.59	809.39	831.28		833.22	0.002081	11.21	1757.53	133.16	0.50
NFPC	Main	3985	002yr	6784.82	808.98	822.95		823.79	0.001378	7.52	988.26	111.35	0.39
NFPC	Main	3985	005yr	9778.37	808.98	825.62		826.65	0.001326	8.46	1306.16	127.29	0.40
NFPC	Main	3985	010yr	11700.76	808.98	827.11		828.23	0.001292	8.93	1500.28	133.15	0.40
NFPC	Main	3985	025yr	14130.90	808.98	828.74		830.00	0.001285	9.51	1722.35	138.95	0.40
NFPC	Main	3985	050yr	16152.80	808.98	829.94		831.31	0.001296	9.99	1891.34	143.13	0.41
NFPC	Main	3985	100yr	18555.97	808.98	831.23		832.74	0.001319	10.54	2080.12	159.14	0.42
NFPC	Main	3985	200yr	21561.65	808.98	834.55		835.86	0.000957	9.95	2705.19	195.98	0.37
NFPC	Main	3985	500yr	25365.26	808.98	835.76		837.32	0.001075	10.92	2944.44	198.97	0.39
NFPC	Main	3985	2009 Storm	12901.34	808.98	827.86		829.06	0.001312	9.28	1600.86	135.86	0.40
NFPC	Main	3985	FU100yr	18808.59	808.98	831.27		832.81	0.001344	10.65	2086.60	161.63	0.42
NFPC	Main	3614	002yr	6784.82	808.47	821.86		823.07	0.002510	8.84	767.12	81.91	0.51
NFPC	Main	3614	005yr	9778.37	808.47	824.64		826.00	0.002142	9.45	1110.49	149.44	0.49
NFPC	Main	3614	010yr	11700.76	808.47	826.33		827.65	0.001801	9.49	1397.34	192.52	0.46
NFPC	Main	3614	025yr	14130.90	808.47	828.23		829.48	0.001497	9.45	1765.63	195.67	0.43
NFPC	Main	3614	050yr	16152.80	808.47	829.53		830.78	0.001375	9.57	2021.34	197.83	0.42
NFPC	Main	3614	100yr	18555.97	808.47	830.91		832.19	0.001283	9.75	2297.06	200.14	0.41
NFPC	Main	3614	200yr	21561.65	808.47	834.46		835.43	0.000804	8.71	3025.16	217.52	0.33
NFPC	Main	3614	500yr	25365.26	808.47	835.70		836.83	0.000880	9.46	3304.25	232.86	0.35
NFPC	Main	3614	2009 Storm	12901.34	808.47	827.18		828.50	0.001690	9.58	1561.67	193.98	0.45
NFPC	Main	3614	FU100yr	18808.59	808.47	830.95		832.25	0.001307	9.86	2304.23	200.19	0.41
NFPC	Main	3184	002yr	6784.82	806.68	821.68	814.76	822.25	0.000961	6.02	1130.16	116.38	0.33
NFPC	Main	3184	005yr	9778.37	806.68	824.54	816.64	825.24	0.000891	6.73	1533.10	167.52	0.33
NFPC	Main	3184	010yr	11700.76	806.68	826.24	817.66	826.98	0.000820	7.00	1840.27	194.46	0.32
NFPC	Main	3184	025yr	14130.90	806.68	828.13	818.86	828.90	0.000755	7.27	2230.90	219.65	0.31
NFPC	Main	3184	050yr	16152.80	806.68	829.42	819.84	830.24	0.000731	7.52	2529.96	241.00	0.31
NFPC	Main	3184	100yr	18555.97	806.68	830.83	820.87	831.67	0.000701	7.74	2873.71	262.67	0.31
NFPC	Main	3184	200yr	21561.65	806.68	834.44	822.07	835.09	0.000453	6.97	3781.11	380.40	0.26
NFPC	Main	3184	500yr	25365.26	806.68	835.70	823.47	836.45	0.000496	7.55	4137.09	400.30	0.27
NFPC	Main	3184	2009 Storm	12901.34	806.68	827.08	818.27	827.86	0.000808	7.21	2009.00	205.72	0.32
NFPC	Main	3184	FU100yr	18808.59	806.68	830.86	821.00	831.72	0.000714	7.82	2882.21	263.52	0.31
NFPC	Main	3021	002yr	6931.43	805.61	821.36	816.06	822.03	0.001324	6.59	1052.50	113.03	0.38
NFPC	Main	3021	005yr	10019.16	805.61	824.26	817.77	825.04	0.001190	7.10	1424.23	138.31	0.37
NFPC	Main	3021	010yr	12185.66	805.61	825.91	818.82	826.78	0.001108	7.51	1660.73	147.78	0.37
NFPC	Main	3021	025yr	14877.92	805.61	827.71	820.02	828.70	0.001059	8.00	1935.36	158.06	0.37
NFPC	Main	3021	050yr	16947.01	805.61	828.94	820.88	830.02	0.001041	8.37	2134.55	165.12	0.37
NFPC	Main	3021	100yr	19361.12	805.61	830.25	821.81	831.43	0.001034	8.80	2354.81	172.59	0.37
NFPC	Main	3021	200yr	21185.36	805.61	834.03	822.63	834.93	0.000613	7.73	3033.57	213.72	0.30
NFPC	Main	3021	500yr	26002.23	805.61	834.99	824.11	836.19	0.000791	9.04	3302.38	256.54	0.34
NFPC	Main	3021	2009 Storm	13381.20	805.61	826.74	819.36	827.66	0.001082	7.73	1784.78	152.51	0.37
NFPC	Main	3021	FU100yr	19455.54	805.61	830.30	822.10	831.48	0.001034	8.81	2363.74	172.88	0.37
NFPC	Main	2966 Buford Hwy		Bridge									
NFPC	Main	2863	002yr	6931.43	805.48	820.53	815.76	821.38	0.001722	7.41	935.93	100.61	0.43
NFPC	Main	2863	005yr	10019.16	805.48	823.31	817.54	824.34	0.001640	8.14	1231.74	111.50	0.43
NFPC	Main	2863	010yr	12185.66	805.48	824.94	818.64	826.05	0.001504	8.52	1482.90	178.27	0.42

Standard Table 1

HEC-RAS Plan: EX Locations: User Defined (Continued)

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
NFPC	Main	2863	025yr	14877.92	805.48	826.72	819.95	827.90	0.001363	8.85	1780.26	197.31	0.41
NFPC	Main	2863	050yr	16947.01	805.48	827.94	820.87	829.16	0.001295	9.10	1985.82	209.78	0.40
NFPC	Main	2863	100yr	19361.12	805.48	829.22	821.87	830.51	0.001244	9.40	2205.14	226.46	0.40
NFPC	Main	2863	200yr	21185.36	805.48	830.15	822.58	831.50	0.001208	9.60	2367.51	233.54	0.40
NFPC	Main	2863	500yr	26002.23	805.48	832.58	824.99	834.03	0.001106	10.00	2799.06	253.61	0.39
NFPC	Main	2863	2009 Storm	13381.20	805.48	825.76	819.22	826.90	0.001434	8.67	1619.32	186.95	0.42
NFPC	Main	2863	FU100yr	19455.54	805.48	829.27	821.90	830.57	0.001242	9.41	2214.07	226.96	0.40
NFPC	Main	2704	002yr	6931.43	805.02	820.01		821.04	0.001876	8.15	850.45	106.62	0.51
NFPC	Main	2704	005yr	10019.16	805.02	822.93		824.05	0.001644	8.50	1189.78	124.55	0.46
NFPC	Main	2704	010yr	12185.66	805.02	824.55		825.77	0.001562	8.91	1398.79	135.77	0.45
NFPC	Main	2704	025yr	14877.92	805.02	826.24		827.61	0.001526	9.46	1656.90	181.90	0.45
NFPC	Main	2704	050yr	16947.01	805.02	827.40		828.87	0.001502	9.83	1913.60	247.63	0.45
NFPC	Main	2704	100yr	19361.12	805.02	828.70		830.23	0.001450	10.14	2241.34	258.94	0.44
NFPC	Main	2704	200yr	21185.36	805.02	829.67		831.22	0.001396	10.30	2495.86	265.12	0.44
NFPC	Main	2704	500yr	26002.23	805.02	832.22		833.80	0.001241	10.56	3253.96	347.25	0.42
NFPC	Main	2704	2009 Storm	13381.20	805.02	825.33		826.62	0.001543	9.16	1508.85	150.00	0.45
NFPC	Main	2704	FU100yr	19455.54	805.02	828.75		830.28	0.001446	10.14	2255.23	259.34	0.44
NFPC	Main	2322	002yr	6931.43	804.70	818.72		820.14	0.002758	9.55	725.72	73.91	0.54
NFPC	Main	2322	005yr	10019.16	804.70	821.36		823.18	0.002759	10.81	930.92	81.51	0.55
NFPC	Main	2322	010yr	12185.66	804.70	822.75		824.90	0.002829	11.76	1046.56	85.58	0.57
NFPC	Main	2322	025yr	14877.92	804.70	824.02		826.68	0.003096	13.08	1158.05	89.34	0.61
NFPC	Main	2322	050yr	16947.01	804.70	824.78		827.88	0.003385	14.15	1226.33	91.56	0.64
NFPC	Main	2322	100yr	19361.12	804.70	825.48		829.17	0.003796	15.44	1291.26	93.63	0.68
NFPC	Main	2322	200yr	21185.36	804.70	825.98		830.12	0.004097	16.37	1338.07	95.09	0.71
NFPC	Main	2322	500yr	26002.23	804.70	827.27		832.59	0.004768	18.57	1463.91	98.91	0.78
NFPC	Main	2322	2009 Storm	13381.20	804.70	823.36		825.72	0.002934	12.34	1099.20	87.38	0.58
NFPC	Main	2322	FU100yr	19455.54	804.70	825.51		829.22	0.003806	15.48	1294.34	93.73	0.68
NFPC	Main	1905	002yr	6931.43	803.10	816.78		818.70	0.004127	11.10	624.57	65.74	0.63
NFPC	Main	1905	005yr	10019.16	803.10	819.25		821.72	0.004095	12.64	815.24	107.52	0.65
NFPC	Main	1905	010yr	12185.66	803.10	820.52	817.57	823.40	0.004195	13.70	989.19	165.84	0.67
NFPC	Main	1905	025yr	14877.92	803.10	821.91	819.02	825.12	0.004199	14.68	1243.36	196.40	0.68
NFPC	Main	1905	050yr	16947.01	803.10	822.89	821.27	826.29	0.004156	15.26	1451.55	230.21	0.69
NFPC	Main	1905	100yr	19361.12	803.10	823.96	822.68	827.48	0.004058	15.78	1702.70	240.44	0.69
NFPC	Main	1905	200yr	21185.36	803.10	824.55	823.48	828.27	0.004164	16.36	1845.44	246.35	0.70
NFPC	Main	1905	500yr	26002.23	803.10	826.75	825.21	830.35	0.003642	16.60	2411.65	268.14	0.67
NFPC	Main	1905	2009 Storm	13381.20	803.10	821.11	818.30	824.18	0.004268	14.24	1090.20	178.70	0.68
NFPC	Main	1905	FU100yr	19455.54	803.10	824.01	822.72	827.52	0.004044	15.78	1714.60	240.94	0.69
NFPC	Main	1537	002yr	6942.37	801.76	816.03		817.34	0.002552	9.15	758.80	76.94	0.51
NFPC	Main	1537	005yr	10037.87	801.76	818.69		820.29	0.002554	10.19	1055.30	173.00	0.53
NFPC	Main	1537	010yr	12208.33	801.76	820.16		821.91	0.002426	10.76	1326.01	191.66	0.53
NFPC	Main	1537	025yr	14905.52	801.76	821.67		823.60	0.002375	11.45	1626.52	205.76	0.53
NFPC	Main	1537	050yr	16981.52	801.76	822.68	818.35	824.76	0.002377	11.98	1857.06	300.60	0.54
NFPC	Main	1537	100yr	19401.45	801.76	823.78	819.68	825.97	0.002345	12.46	2259.25	395.40	0.54
NFPC	Main	1537	200yr	21041.05	801.76	824.56		826.71	0.002221	12.50	2582.64	421.56	0.53
NFPC	Main	1537	500yr	26044.76	801.76	827.11		828.93	0.001734	12.10	3686.55	461.24	0.48
NFPC	Main	1537	2009 Storm	13360.89	801.76	820.82		822.66	0.002403	11.07	1455.82	197.92	0.53
NFPC	Main	1537	FU100yr	19510.08	801.76	823.83	819.73	826.02	0.002337	12.46	2280.35	396.52	0.54
NFPC	Main	1168	002yr	6942.37	800.92	815.48		816.45	0.001793	7.92	887.28	101.38	0.44
NFPC	Main	1168	005yr	10037.87	800.92	818.18		819.40	0.001737	8.93	1201.52	137.82	0.45
NFPC	Main	1168	010yr	12208.33	800.92	819.64		821.05	0.001739	9.62	1411.15	148.65	0.45
NFPC	Main	1168	025yr	14905.52	800.92	821.09		822.76	0.001819	10.51	1641.79	171.04	0.47
NFPC	Main	1168	050yr	16981.52	800.92	822.05		823.92	0.001893	11.17	1809.61	178.19	0.49
NFPC	Main	1168	100yr	19401.45	800.92	823.05		825.15	0.001987	11.90	1991.76	186.34	0.50
NFPC	Main	1168	200yr	21041.05	800.92	823.62		825.90	0.002076	12.43	2102.98	202.67	0.52
NFPC	Main	1168	500yr	26044.76	800.92	825.39		828.11	0.002230	13.72	2485.64	228.65	0.55
NFPC	Main	1168	2009 Storm	13360.89	800.92	820.28		821.81	0.001775	10.02	1507.98	157.85	0.46
NFPC	Main	1168	FU100yr	19510.08	800.92	823.10		825.20	0.001990	11.93	2000.23	186.72	0.50
NFPC	Main	824	002yr	6942.37	800.35	814.99		815.82	0.001645	7.32	948.00	98.78	0.42
NFPC	Main	824	005yr	10037.87	800.35	817.75		818.77	0.001603	8.10	1243.30	113.74	0.42
NFPC	Main	824	010yr	12208.33	800.35	819.24		820.41	0.001572	8.70	1416.56	119.02	0.43
NFPC	Main	824	025yr	14905.52	800.35	820.68		822.09	0.001640	9.54	1592.42	125.22	0.44
NFPC	Main	824	050yr	16981.52	800.35	821.61		823.22	0.001721	10.19	1717.38	139.14	0.46
NFPC	Main	824	100yr	19401.45	800.35	822.58		824.42	0.001819	10.91	1855.40	145.79	0.48
NFPC	Main	824	200yr	21041.05	800.35	823.13		825.14	0.001908	11.43	1936.12	149.26	0.49
NFPC	Main	824	500yr	26044.76	800.35	824.81		827.30	0.002097	12.77	2196.41	160.52	0.52
NFPC	Main	824	2009 Storm	13360.89	800.35	819.88		821.15	0.001601	9.07	1493.33	121.81	0.43
NFPC	Main	824	FU100yr	19510.08	800.35	822.62		824.47	0.001822	10.94	1861.97	146.07	0.48
NFPC	Main	429	002yr	6943.65	800.14	812.60		814.69	0.004477	11.59	599.74	66.16	0.67
NFPC	Main	429	005yr	10040.77	800.14	814.61	812.38	817.55	0.004880	13.78	755.38	172.63	0.72
NFPC	Main	429	010yr	12210.21	800.14	815.97	813.67	819.21	0.004714	14.61	1029.02	215.54	0.72
NFPC	Main	429	025yr	14904.95	800.14	817.53	816.46	820.89	0.004390	15.22	1376.77	233.67	0.71
NFPC	Main	429	050yr	16980.45	800.14	818.61	817.51	822.03	0.004175	15.58	1634.51	242.61	0.70
NFPC	Main	429	100yr	19398.05	800.14	819.67	818.51	823.21	0.004086	16.12	1895.61	250.46	0.70
NFPC	Main	429	200yr	20940.12	800.14	820.30	819.16	823.92	0.004044	16.44	2054.15	254.56	0.70
NFPC	Main	429	500yr	26024.15	800.14	822.21	820.76	826.06	0.003922	17.38	2556.62	268.82	0.70
NFPC	Main	429	2009 Storm	13344.32	800.14	816.65	814.28	819.95	0.004570	14.89	1176.73	221.88	0.72
NFPC	Main	429	FU100yr	19514.03	800.14	819.72	818.55	823.27	0.004083	16.14	1907.67	250.78	0.70

Standard Table 2

HEC-RAS Plan: EX Locations: User Defined

River	Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
				(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
NFPC	Main	6189	002yr	830.93	830.34	0.59			230.37	6503.96	50.49	114.94
NFPC	Main	6189	005yr	834.05	833.26	0.79			493.79	9123.50	161.08	210.06
NFPC	Main	6189	010yr	834.36	833.23	1.13			588.62	10920.70	191.44	208.91
NFPC	Main	6189	025yr	836.23	835.12	1.11			814.50	12380.40	936.01	465.92
NFPC	Main	6189	050yr	837.51	836.57	0.94	0.04	0.01	959.14	12817.31	2376.35	692.89
NFPC	Main	6189	100yr	839.40	838.90	0.50			1014.41	11475.01	6066.55	729.26
NFPC	Main	6189	200yr	841.26	840.90	0.35			1016.46	11076.03	9469.16	779.91
NFPC	Main	6189	500yr	843.06	842.78	0.28			1423.63	11049.50	12892.13	1083.76
NFPC	Main	6189	2009 Storm	835.37	834.16	1.21			713.94	11936.94	250.46	281.74
NFPC	Main	6189	FU100yr	839.40	838.89	0.51			1029.46	11640.72	6138.41	729.12
NFPC	Main	6118 Corporate Blvd		Bridge								
NFPC	Main	6074	002yr	829.16	828.69	0.48	0.24	0.11	10.79	6768.39	5.63	113.92
NFPC	Main	6074	005yr	832.16	831.52	0.63	0.23	0.13	48.81	9696.42	33.14	122.70
NFPC	Main	6074	010yr	833.84	833.11	0.73	0.23	0.15	87.34	11550.24	63.18	127.62
NFPC	Main	6074	025yr	835.83	834.99	0.84	0.23	0.16	151.66	13864.14	115.10	209.99
NFPC	Main	6074	050yr	837.33	836.40	0.93	0.23	0.16	216.26	15768.20	168.34	255.90
NFPC	Main	6074	100yr	838.98	837.93	1.04	0.22	0.14	305.23	18061.38	189.36	578.10
NFPC	Main	6074	200yr	841.15	840.45	0.70	0.16	0.15	402.02	17904.39	3255.24	750.93
NFPC	Main	6074	500yr	842.97	842.39	0.58	0.12	0.09	449.57	18633.49	6282.20	847.86
NFPC	Main	6074	2009 Storm	834.83	834.04	0.79	0.23	0.16	116.63	12698.09	86.62	151.63
NFPC	Main	6074	FU100yr	839.13	838.07	1.06	0.22	0.14	314.43	18287.85	206.31	594.68
NFPC	Main	5891	002yr	828.82	827.99	0.83	0.44	0.01	2.90	6770.62	11.30	97.83
NFPC	Main	5891	005yr	831.79	830.71	1.08	0.44	0.01	36.13	9694.40	47.84	108.37
NFPC	Main	5891	010yr	833.46	832.24	1.23	0.45	0.02	75.64	11543.48	81.64	115.11
NFPC	Main	5891	025yr	835.44	834.05	1.39	0.44	0.02	144.28	13815.25	171.37	189.99
NFPC	Main	5891	050yr	836.95	835.48	1.46	0.43	0.02	217.18	15532.97	402.65	246.04
NFPC	Main	5891	100yr	838.62	837.12	1.50	0.40	0.02	316.78	17383.48	855.71	368.62
NFPC	Main	5891	200yr	840.85	839.64	1.20	0.32	0.04	456.85	18362.42	2742.38	791.78
NFPC	Main	5891	500yr	842.76	841.87	0.89	0.26	0.06	576.10	18586.53	6202.64	801.06
NFPC	Main	5891	2009 Storm	834.44	833.12	1.32	0.45	0.02	106.23	12686.70	108.41	154.14
NFPC	Main	5891	FU100yr	838.77	837.26	1.51	0.40	0.02	326.67	17573.92	908.01	387.12
NFPC	Main	5577	002yr	828.37	827.47	0.90	0.62	0.06	76.39	6707.46	0.97	94.64
NFPC	Main	5577	005yr	831.34	830.13	1.20	0.64	0.07	222.00	9538.49	17.88	105.17
NFPC	Main	5577	010yr	833.00	831.61	1.39	0.64	0.08	341.89	11317.12	41.75	110.19
NFPC	Main	5577	025yr	834.97	833.40	1.58	0.64	0.09	515.09	13490.80	125.02	177.20
NFPC	Main	5577	050yr	836.50	834.83	1.67	0.63	0.11	670.30	15114.21	368.29	198.07
NFPC	Main	5577	100yr	838.19	836.47	1.73	0.61	0.13	863.21	16895.43	797.33	219.17
NFPC	Main	5577	200yr	840.50	838.94	1.56	0.49	0.12	1127.77	18474.08	1959.81	468.43
NFPC	Main	5577	500yr	842.43	840.91	1.52	0.45	0.11	1397.67	20401.18	3566.42	714.82
NFPC	Main	5577	2009 Storm	833.97	832.48	1.49	0.65	0.09	423.45	12409.71	68.18	145.27
NFPC	Main	5577	FU100yr	838.34	836.61	1.74	0.61	0.14	882.30	17081.94	844.35	261.59
NFPC	Main	5259	002yr	827.70	826.24	1.45	0.60	0.03		6784.82		69.96
NFPC	Main	5259	005yr	830.63	828.72	1.90	0.59	0.07	18.07	9759.78	0.52	82.62
NFPC	Main	5259	010yr	832.28	830.10	2.18	0.56	0.13	51.09	11644.72	4.95	84.51
NFPC	Main	5259	025yr	834.24	831.75	2.49	0.53	0.20	99.75	14011.42	19.72	86.79
NFPC	Main	5259	050yr	835.76	833.02	2.75	0.51	0.26	141.24	15971.06	40.51	88.53
NFPC	Main	5259	100yr	837.45	834.39	3.06	0.50	0.33	190.44	18294.43	71.10	149.75
NFPC	Main	5259	200yr	839.89	837.15	2.74	0.40	0.27	270.57	20412.62	878.45	276.96
NFPC	Main	5259	500yr	841.87	839.21	2.66	0.38	0.18	351.28	22719.21	2294.77	342.34
NFPC	Main	5259	2009 Storm	833.24	830.89	2.35	0.55	0.17	73.79	12817.02	10.53	85.60
NFPC	Main	5259	FU100yr	837.60	834.50	3.10	0.50	0.33	194.98	18530.84	82.77	159.85
NFPC	Main	5042	002yr	827.07	825.72	1.35	0.22	0.07	46.87	6737.90	0.05	112.71
NFPC	Main	5042	005yr	829.97	828.31	1.66	0.23	0.02	322.25	9449.57	6.55	158.10
NFPC	Main	5042	010yr	831.58	829.84	1.74	0.23	0.01	695.26	10986.79	18.71	161.67
NFPC	Main	5042	025yr	833.51	831.69	1.81	0.22	0.04	1247.09	12839.60	44.21	166.05
NFPC	Main	5042	050yr	834.99	833.11	1.88	0.22	0.05	1732.63	14346.71	73.45	169.53
NFPC	Main	5042	100yr	836.62	834.65	1.97	0.21	0.07	2322.45	16116.86	116.65	173.47
NFPC	Main	5042	200yr	839.22	837.37	1.85	0.17	0.07	3244.86	18104.92	211.87	181.45
NFPC	Main	5042	500yr	841.31	839.26	2.05	0.18	0.08	4173.41	20870.61	321.24	187.14
NFPC	Main	5042	2009 Storm	832.52	830.72	1.80	0.23	0.03	950.86	11921.04	29.44	163.73
NFPC	Main	5042	FU100yr	836.76	834.77	1.99	0.21	0.07	2377.41	16310.37	120.81	173.79
NFPC	Main	4938	002yr	826.78	825.65	1.13	0.15	0.29	12.45	6771.84	0.53	80.30
NFPC	Main	4938	005yr	829.72	828.13	1.58	0.14	0.49	86.04	9683.40	8.93	89.78
NFPC	Main	4938	010yr	831.34	829.46	1.88	0.14	0.61	144.21	11536.01	20.54	112.82
NFPC	Main	4938	025yr	833.25	831.07	2.18	0.13	0.73	332.33	13755.20	43.37	126.17
NFPC	Main	4938	050yr	834.72	832.33	2.39	0.13	0.82	545.10	15538.85	68.85	134.83
NFPC	Main	4938	100yr	836.34	833.70	2.64	0.12	0.91	836.39	17613.25	106.33	146.60
NFPC	Main	4938	200yr	838.97	836.43	2.54	0.10	0.87	1468.67	19893.88	199.11	175.53
NFPC	Main	4938	500yr	841.04	838.16	2.88	0.10	0.99	2077.29	22986.51	301.46	201.67
NFPC	Main	4938	2009 Storm	832.27	830.22	2.05	0.14	0.68	219.70	12651.54	30.10	120.17
NFPC	Main	4938	FU100yr	836.47	833.80	2.68	0.12	0.92	861.87	17836.90	109.82	147.53
NFPC	Main	4838	002yr	826.34	825.79	0.55				6784.82		149.27
NFPC	Main	4838	005yr	829.09	828.48	0.61			0.01	9778.11	0.25	162.83
NFPC	Main	4838	010yr	830.59	829.94	0.66			1.90	11696.27	2.60	168.31
NFPC	Main	4838	025yr	832.39	831.67	0.71	0.03	0.09	10.83	14109.88	10.19	174.42
NFPC	Main	4838	050yr	833.78	833.01	0.76	0.03	0.09	24.89	16107.26	20.65	180.37

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HEC-RAS Plan: EX Locations: User Defined (Continued)

River	Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
				(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
NFPC	Main	4838	100yr	835.31	834.49	0.82	0.02	0.10	51.25	18467.04	37.68	186.90
NFPC	Main	4838	200yr	838.00	837.21	0.80	0.02	0.08	127.62	21354.02	80.01	196.75
NFPC	Main	4838	500yr	839.95	839.05	0.90	0.02	0.13	206.79	25031.45	127.02	209.55
NFPC	Main	4838	2009 Storm	831.45	830.76	0.69	0.03	0.09	5.22	12890.65	5.47	170.97
NFPC	Main	4838	FU100yr	835.43	834.60	0.83	0.02	0.10	54.00	18715.27	39.32	187.31
NFPC	Main	4771 Druid Hills Rd		Bridge								
NFPC	Main	4682	002yr	825.69	825.13	0.57	0.28	0.19		6784.82		132.94
NFPC	Main	4682	005yr	828.52	827.86	0.66	0.26	0.25	1.01	9775.52	1.84	145.60
NFPC	Main	4682	010yr	830.08	829.36	0.72	0.24	0.29	5.56	11688.71	6.49	149.33
NFPC	Main	4682	025yr	831.88	831.07	0.81	0.23	0.34	17.31	14097.23	16.36	154.30
NFPC	Main	4682	050yr	833.25	832.37	0.88	0.23	0.39	32.13	16091.29	29.38	158.79
NFPC	Main	4682	100yr	834.76	833.80	0.96	0.23	0.44	55.45	18450.87	49.65	165.45
NFPC	Main	4682	200yr	837.51	836.58	0.94	0.18	0.40	114.09	21319.67	127.89	176.74
NFPC	Main	4682	500yr	839.28	838.18	1.10	0.19	0.51	164.96	24991.19	209.11	186.19
NFPC	Main	4682	2009 Storm	830.95	830.18	0.77	0.24	0.32	10.26	12880.38	10.70	151.38
NFPC	Main	4682	FU100yr	834.87	833.90	0.98	0.23	0.45	57.59	18699.44	51.57	166.03
NFPC	Main	4516	002yr	825.23	824.04	1.19	0.98	0.00	1.58	6783.24		80.79
NFPC	Main	4516	005yr	828.00	826.51	1.50	0.90	0.06	18.16	9759.56	0.65	98.94
NFPC	Main	4516	010yr	829.54	827.85	1.69	0.84	0.08	37.79	11657.74	5.23	103.45
NFPC	Main	4516	025yr	831.30	829.35	1.95	0.81	0.11	71.84	14040.28	18.78	108.03
NFPC	Main	4516	050yr	832.63	830.47	2.16	0.80	0.13	105.65	16010.40	36.74	110.92
NFPC	Main	4516	100yr	834.09	831.67	2.42	0.80	0.16	151.57	18340.35	64.05	114.00
NFPC	Main	4516	200yr	836.93	834.66	2.28	0.58	0.17	265.81	21147.59	148.25	121.69
NFPC	Main	4516	500yr	838.57	835.78	2.79	0.66	0.22	332.63	24823.32	209.31	127.74
NFPC	Main	4516	2009 Storm	830.39	828.55	1.84	0.84	0.10	52.56	12838.49	10.28	105.61
NFPC	Main	4516	FU100yr	834.19	831.72	2.47	0.81	0.16	154.86	18587.88	65.85	114.12
NFPC	Main	4159	002yr	824.25	823.06	1.19	0.36	0.11		6784.82		103.48
NFPC	Main	4159	005yr	827.04	825.73	1.31	0.31	0.09	0.94	9773.47	3.96	114.37
NFPC	Main	4159	010yr	828.62	827.20	1.42	0.29	0.09	5.75	11679.15	15.86	119.10
NFPC	Main	4159	025yr	830.38	828.80	1.58	0.28	0.10	18.00	14072.62	40.28	125.53
NFPC	Main	4159	050yr	831.70	829.98	1.72	0.28	0.10	32.63	16048.54	71.64	129.57
NFPC	Main	4159	100yr	833.14	831.24	1.89	0.28	0.11	53.98	18382.12	119.86	133.04
NFPC	Main	4159	200yr	836.18	834.48	1.70	0.20	0.12	121.42	21184.14	256.08	143.39
NFPC	Main	4159	500yr	837.70	835.63	2.07	0.23	0.16	169.08	24842.42	353.76	147.66
NFPC	Main	4159	2009 Storm	829.45	827.93	1.52	0.29	0.09	10.41	12865.68	25.25	122.05
NFPC	Main	4159	FU100yr	833.22	831.28	1.93	0.29	0.12	55.26	18630.61	122.72	133.16
NFPC	Main	3985	002yr	823.79	822.95	0.83	0.67	0.04		6381.83	402.99	111.35
NFPC	Main	3985	005yr	826.65	825.62	1.03	0.62	0.03	8.70	8847.28	922.40	127.29
NFPC	Main	3985	010yr	828.23	827.11	1.12	0.56	0.02	29.63	10316.19	1354.94	133.15
NFPC	Main	3985	025yr	830.00	828.74	1.26	0.51	0.00	73.76	12134.33	1922.81	138.95
NFPC	Main	3985	050yr	831.31	829.94	1.37	0.49	0.04	123.32	13625.59	2403.89	143.13
NFPC	Main	3985	100yr	832.74	831.23	1.51	0.48	0.07	195.92	15375.76	2984.29	159.14
NFPC	Main	3985	200yr	835.86	834.55	1.31	0.32	0.10	618.87	16966.32	3976.46	195.98
NFPC	Main	3985	500yr	837.32	835.76	1.55	0.36	0.13	934.43	19586.33	4844.51	198.97
NFPC	Main	3985	2009 Storm	829.06	827.86	1.21	0.55	0.01	47.25	11234.48	1619.61	135.86
NFPC	Main	3985	FU100yr	832.81	831.27	1.55	0.49	0.07	200.50	15576.54	3031.56	161.63
NFPC	Main	3614	002yr	823.07	821.86	1.22	0.63	0.20		6784.82		81.91
NFPC	Main	3614	005yr	826.00	824.64	1.35	0.56	0.20	28.20	9512.47	237.71	149.44
NFPC	Main	3614	010yr	827.65	826.33	1.32	0.50	0.17	149.89	10932.93	617.94	192.52
NFPC	Main	3614	025yr	829.48	828.23	1.26	0.44	0.14	569.93	12446.90	1114.07	195.67
NFPC	Main	3614	050yr	830.78	829.53	1.25	0.41	0.13	985.64	13672.97	1494.19	197.83
NFPC	Main	3614	100yr	832.19	830.91	1.27	0.39	0.13	1519.68	15106.32	1929.97	200.14
NFPC	Main	3614	200yr	835.43	834.46	0.97	0.25	0.10	2734.11	16168.81	2658.73	217.52
NFPC	Main	3614	500yr	836.83	835.70	1.13	0.27	0.12	3563.65	18566.18	3235.42	232.86
NFPC	Main	3614	2009 Storm	828.50	827.18	1.32	0.48	0.16	314.79	11742.78	843.77	193.98
NFPC	Main	3614	FU100yr	832.25	830.95	1.30	0.40	0.13	1550.08	15297.35	1961.17	200.19
NFPC	Main	3184	002yr	822.25	821.68	0.56	0.18	0.03		6784.09	0.73	116.38
NFPC	Main	3184	005yr	825.24	824.54	0.70	0.17	0.03	1.67	9674.36	102.34	167.52
NFPC	Main	3184	010yr	826.98	826.24	0.74	0.16	0.04	18.03	11357.92	324.81	194.46
NFPC	Main	3184	025yr	828.90	828.13	0.78	0.14	0.06	77.61	13294.95	758.35	219.65
NFPC	Main	3184	050yr	830.24	829.42	0.81	0.14	0.08	147.98	14814.94	1189.89	241.00
NFPC	Main	3184	100yr	831.67	830.83	0.84	0.14	0.10	251.26	16431.68	1873.03	262.67
NFPC	Main	3184	200yr	835.09	834.44	0.64	0.08	0.08	461.35	17544.49	3555.81	380.40
NFPC	Main	3184	500yr	836.45	835.70	0.75	0.10	0.14	663.45	20060.55	4641.25	400.30
NFPC	Main	3184	2009 Storm	827.86	827.08	0.78	0.15	0.04	39.19	12362.35	499.80	205.72
NFPC	Main	3184	FU100yr	831.72	830.86	0.86	0.14	0.10	256.73	16640.63	1911.24	263.52
NFPC	Main	3021	002yr	822.03	821.36	0.67	0.02	0.09		6931.43		113.03
NFPC	Main	3021	005yr	825.04	824.26	0.78	0.01	0.12	7.08	10005.99	6.09	138.31
NFPC	Main	3021	010yr	826.78	825.91	0.87	0.01	0.12	29.82	12131.96	23.88	147.78
NFPC	Main	3021	025yr	828.70	827.71	0.99	0.01	0.12	80.15	14735.55	62.21	158.06
NFPC	Main	3021	050yr	830.02	828.94	1.08	0.01	0.12	134.09	16710.10	102.81	165.12
NFPC	Main	3021	100yr	831.43	830.25	1.18	0.01	0.12	211.80	18988.38	160.94	172.59
NFPC	Main	3021	200yr	834.93	834.03	0.90			487.64	20362.46	335.27	213.72
NFPC	Main	3021	500yr	836.19	834.99	1.22			653.14	24883.90	465.19	256.54
NFPC	Main	3021	2009 Storm	827.66	826.74	0.92	0.01	0.12	49.22	13293.24	38.74	152.51
NFPC	Main	3021	FU100yr	831.48	830.30	1.18	0.01	0.12	215.29	19076.70	163.55	172.88

Standard Table 2

HEC-RAS Plan: EX Locations: User Defined (Continued)

River	Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
				(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
NFPC	Main	2966 Buford Hwy		Bridge								
NFPC	Main	2863	002yr	821.38	820.53	0.85	0.29	0.05		6931.43		100.61
NFPC	Main	2863	005yr	824.34	823.31	1.03	0.26	0.03	0.12	10019.04		111.50
NFPC	Main	2863	010yr	826.05	824.94	1.11	0.24	0.03	2.58	12027.24	155.84	178.27
NFPC	Main	2863	025yr	827.90	826.72	1.18	0.23	0.06	12.20	14243.56	622.16	197.31
NFPC	Main	2863	050yr	829.16	827.94	1.23	0.22	0.07	24.83	15868.31	1053.87	209.78
NFPC	Main	2863	100yr	830.51	829.22	1.30	0.22	0.07	45.00	17721.83	1594.29	226.46
NFPC	Main	2863	200yr	831.50	830.15	1.34	0.21	0.06	65.53	19087.29	2032.53	233.54
NFPC	Main	2863	500yr	834.03	832.58	1.45	0.19	0.04	147.35	22559.76	3295.13	253.61
NFPC	Main	2863	2009 Storm	826.90	825.76	1.14	0.24	0.04	5.76	13032.57	342.88	186.95
NFPC	Main	2863	FU100yr	830.57	829.27	1.30	0.22	0.07	45.98	17792.37	1617.20	226.96
NFPC	Main	2704	002yr	821.04	820.01	1.03	0.86	0.04		6931.43		106.62
NFPC	Main	2704	005yr	824.05	822.93	1.12	0.80	0.07	14.35	10000.05	4.76	124.55
NFPC	Main	2704	010yr	825.77	824.55	1.23	0.78	0.09	53.41	12105.70	26.55	135.77
NFPC	Main	2704	025yr	827.61	826.24	1.37	0.80	0.13	128.95	14653.83	95.14	181.90
NFPC	Main	2704	050yr	828.87	827.40	1.47	0.83	0.16	207.16	16514.34	225.51	247.63
NFPC	Main	2704	100yr	830.23	828.70	1.53	0.84	0.22	333.74	18505.30	522.08	258.94
NFPC	Main	2704	200yr	831.22	829.67	1.56	0.85	0.26	441.28	19927.39	816.69	265.12
NFPC	Main	2704	500yr	833.80	832.22	1.58	0.83	0.37	787.87	23469.33	1745.03	347.25
NFPC	Main	2704	2009 Storm	826.62	825.33	1.29	0.79	0.11	83.00	13247.68	50.52	150.00
NFPC	Main	2704	FU100yr	830.28	828.75	1.53	0.84	0.22	339.31	18579.54	536.69	259.34
NFPC	Main	2322	002yr	820.14	818.72	1.42	1.39	0.05		6931.43		73.91
NFPC	Main	2322	005yr	823.18	821.36	1.81	1.39	0.07		10014.97	4.19	81.51
NFPC	Main	2322	010yr	824.90	822.75	2.15	1.42	0.07	0.81	12170.87	13.97	85.58
NFPC	Main	2322	025yr	826.68	824.02	2.65	1.50	0.06	5.55	14840.97	31.40	89.34
NFPC	Main	2322	050yr	827.88	824.78	3.10	1.56	0.03	11.67	16887.94	47.40	91.56
NFPC	Main	2322	100yr	829.17	825.48	3.69	1.64	0.05	20.72	19272.58	67.82	93.63
NFPC	Main	2322	200yr	830.12	825.98	4.14	1.72	0.13	29.44	21070.36	85.55	95.09
NFPC	Main	2322	500yr	832.59	827.27	5.32	1.73	0.52	62.62	25794.94	144.67	98.91
NFPC	Main	2322	2009 Storm	825.72	823.36	2.36	1.46	0.07	2.39	13357.74	21.07	87.38
NFPC	Main	2322	FU100yr	829.22	825.51	3.71	1.64	0.06	21.21	19365.51	68.82	93.73
NFPC	Main	1905	002yr	818.70	816.78	1.91	1.18	0.18		6931.43		65.74
NFPC	Main	1905	005yr	821.72	819.25	2.48	1.17	0.26	1.74	9995.90	21.52	107.52
NFPC	Main	1905	010yr	823.40	820.52	2.88	1.15	0.34	8.64	12022.90	154.12	165.84
NFPC	Main	1905	025yr	825.12	821.91	3.21	1.14	0.38	24.75	14265.76	587.41	196.40
NFPC	Main	1905	050yr	826.29	822.89	3.39	1.13	0.39	43.83	15855.57	1047.61	230.21
NFPC	Main	1905	100yr	827.48	823.96	3.52	1.11	0.40	73.74	17533.94	1753.44	240.44
NFPC	Main	1905	200yr	828.27	824.55	3.72	1.08	0.47	96.65	18837.05	2251.66	246.35
NFPC	Main	1905	500yr	830.35	826.75	3.60	0.88	0.53	201.91	21591.38	4208.94	268.14
NFPC	Main	1905	2009 Storm	824.18	821.11	3.08	1.15	0.37	14.42	13062.40	304.37	178.70
NFPC	Main	1905	FU100yr	827.52	824.01	3.51	1.10	0.40	75.29	17592.33	1787.92	240.94
NFPC	Main	1537	002yr	817.34	816.03	1.30	0.78	0.10		6942.37		76.94
NFPC	Main	1537	005yr	820.29	818.69	1.60	0.77	0.11	14.06	9968.41	55.40	173.00
NFPC	Main	1537	010yr	821.91	820.16	1.75	0.75	0.10	93.76	11869.93	244.65	191.66
NFPC	Main	1537	025yr	823.60	821.67	1.93	0.76	0.08	243.01	14108.52	553.99	205.76
NFPC	Main	1537	050yr	824.76	822.68	2.08	0.78	0.07	384.10	15794.29	803.14	300.60
NFPC	Main	1537	100yr	825.97	823.78	2.19	0.80	0.03	568.07	17579.91	1253.47	395.40
NFPC	Main	1537	200yr	826.71	824.56	2.14	0.79	0.01	703.94	18473.39	1863.72	421.56
NFPC	Main	1537	500yr	828.93	827.11	1.82	0.73	0.09	1138.58	20494.39	4411.79	461.24
NFPC	Main	1537	2009 Storm	822.66	820.82	1.83	0.76	0.09	151.86	12841.59	367.44	197.92
NFPC	Main	1537	FU100yr	826.02	823.83	2.19	0.80	0.03	576.89	17642.79	1290.40	396.52
NFPC	Main	1168	002yr	816.45	815.48	0.97	0.59	0.04	6.50	6935.87		101.38
NFPC	Main	1168	005yr	819.40	818.18	1.23	0.57	0.06	89.41	9948.35	0.11	137.82
NFPC	Main	1168	010yr	821.05	819.64	1.41	0.57	0.07	227.02	11977.68	3.63	148.65
NFPC	Main	1168	025yr	822.76	821.09	1.67	0.59	0.08	435.50	14451.28	18.73	171.04
NFPC	Main	1168	050yr	823.92	822.05	1.86	0.62	0.08	614.85	16310.11	56.56	178.19
NFPC	Main	1168	100yr	825.15	823.05	2.10	0.65	0.08	840.30	18445.88	115.27	186.34
NFPC	Main	1168	200yr	825.90	823.62	2.28	0.68	0.08	995.74	19906.29	139.01	202.67
NFPC	Main	1168	500yr	828.11	825.39	2.72	0.74	0.07	1535.73	24136.85	372.18	228.65
NFPC	Main	1168	2009 Storm	821.81	820.28	1.52	0.58	0.07	310.31	13045.25	5.33	157.85
NFPC	Main	1168	FU100yr	825.20	823.10	2.11	0.65	0.08	851.20	18540.47	118.41	186.72
NFPC	Main	824	002yr	815.82	814.99	0.83	1.01	0.13		6942.37		98.78
NFPC	Main	824	005yr	818.77	817.75	1.02	1.02	0.19	0.00	10035.20	2.67	113.74
NFPC	Main	824	010yr	820.41	819.24	1.17	1.00	0.21	0.50	12192.09	15.74	119.02
NFPC	Main	824	025yr	822.09	820.68	1.41	1.00	0.20	2.78	14858.29	44.45	125.22
NFPC	Main	824	050yr	823.22	821.61	1.61	1.01	0.18	5.95	16905.11	70.46	139.14
NFPC	Main	824	100yr	824.42	822.58	1.84	1.03	0.17	11.17	19255.91	134.36	145.79
NFPC	Main	824	200yr	825.14	823.13	2.01	1.06	0.16	15.29	20841.78	183.98	149.26
NFPC	Main	824	500yr	827.30	824.81	2.49	1.10	0.14	33.46	25618.63	392.67	160.52
NFPC	Main	824	2009 Storm	821.15	819.88	1.28	1.00	0.20	1.19	13333.86	25.83	121.81
NFPC	Main	824	FU100yr	824.47	822.62	1.85	1.03	0.17	11.46	19360.69	137.93	146.07
NFPC	Main	429	002yr	814.69	812.60	2.09	0.48	0.12	0.09	6943.27	0.29	66.16
NFPC	Main	429	005yr	817.55	814.61	2.94	0.51	0.20	2.13	10023.51	15.13	172.63
NFPC	Main	429	010yr	819.21	815.97	3.23	0.50	0.18	7.19	11907.42	295.60	215.54
NFPC	Main	429	025yr	820.89	817.53	3.37	0.48	0.10	22.64	13920.36	961.95	233.67

Standard Table 2

HEC-RAS Plan: EX Locations: User Defined (Continued)

River	Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
				(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
NFPC	Main	429	050yr	822.03	818.61	3.42	0.47	0.04	43.78	15335.04	1601.63	242.61
NFPC	Main	429	100yr	823.21	819.67	3.54	0.46	0.04	76.45	16951.49	2370.11	250.46
NFPC	Main	429	200yr	823.92	820.30	3.62	0.45	0.05	102.30	17951.58	2886.23	254.56
NFPC	Main	429	500yr	826.06	822.21	3.85	0.43	0.09	216.72	21114.04	4693.39	268.82
NFPC	Main	429	2009 Storm	819.95	816.65	3.30	0.49	0.15	11.97	12779.90	552.45	221.88
NFPC	Main	429	FU100yr	823.27	819.72	3.55	0.46	0.04	78.26	17027.48	2408.28	250.78

APPENDIX H

HEC-RAS CORRECTED EFFECTIVE CONDITION MULTI-PROFILE MODEL

Standard Table 1

HEC-RAS Plan: CorrEff MP River: NFPC Reach: Main

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Main	6189	002yr	6784.82	813.86	830.34	822.00	830.93	0.000528	6.28	1214.27	114.94	0.29
Main	6189	005yr	9778.37	813.86	833.26	824.06	834.05	0.000566	7.34	1566.43	210.06	0.31
Main	6189	010yr	11700.76	813.86	833.23	825.35	834.36	0.000816	8.80	1561.97	208.91	0.37
Main	6189	025yr	14130.90	813.86	835.12	826.69	836.23	0.000745	9.00	2206.32	465.92	0.36
Main	6189	050yr	16152.80	813.86	836.57	827.73	837.51	0.000627	8.67	3093.36	692.89	0.34
Main	6189	100yr	18555.97	813.86	838.90	828.91	839.40	0.000353	6.98	4754.87	729.26	0.26
Main	6189	200yr	21561.65	813.86	840.90	830.24	841.26	0.000249	6.20	6264.08	779.91	0.22
Main	6189	500yr	25365.26	813.86	842.78	831.76	843.06	0.000195	5.76	8018.04	1083.76	0.20
Main	6189	2009 Storm	12901.34	813.86	834.16	826.05	835.37	0.000819	9.13	1684.97	281.74	0.38
Main	6189	FU100yr	18808.59	813.86	838.89	829.02	839.40	0.000364	7.08	4748.86	729.12	0.26
Main	6118 Corporate Blvd		Bridge									
Main	6074	002yr	6784.82	813.63	828.69	821.26	829.16	0.001146	5.56	1235.68	113.92	0.29
Main	6074	005yr	9778.37	813.63	831.52	823.02	832.16	0.001145	6.42	1571.25	122.70	0.30
Main	6074	010yr	11700.76	813.63	833.11	824.03	833.84	0.001151	6.89	1770.52	127.62	0.30
Main	6074	025yr	14130.90	813.63	834.99	825.21	835.83	0.001151	7.41	2015.20	209.99	0.31
Main	6074	050yr	16152.80	813.63	836.40	826.06	837.33	0.001158	7.82	2206.90	255.90	0.31
Main	6074	100yr	18555.97	813.63	837.93	826.94	838.98	0.001181	8.30	2446.48	578.10	0.32
Main	6074	200yr	21561.65	813.63	840.45	828.03	841.15	0.000796	7.35	4729.64	750.93	0.27
Main	6074	500yr	25365.26	813.63	842.39	829.32	842.97	0.000662	7.07	6252.18	847.86	0.25
Main	6074	2009 Storm	12901.34	813.63	834.04	824.64	834.83	0.001155	7.17	1890.22	151.63	0.31
Main	6074	FU100yr	18808.59	813.63	838.07	827.05	839.13	0.001185	8.35	2473.12	594.68	0.32
Main	5891	002yr	6784.82	813.01	827.99	821.50	828.82	0.001464	7.33	939.75	97.83	0.39
Main	5891	005yr	9778.37	813.01	830.71	823.61	831.79	0.001410	8.36	1220.69	108.37	0.40
Main	5891	010yr	11700.76	813.01	832.24	825.28	833.46	0.001398	8.94	1390.45	115.11	0.41
Main	5891	025yr	14130.90	813.01	834.05	826.72	835.44	0.001367	9.55	1657.89	189.99	0.41
Main	5891	050yr	16152.80	813.01	835.48	827.64	836.95	0.001314	9.89	1939.18	246.04	0.41
Main	5891	100yr	18555.97	813.01	837.12	828.67	838.62	0.001237	10.15	2359.44	368.62	0.40
Main	5891	200yr	21561.65	813.01	839.64	829.90	840.85	0.000925	9.51	3968.34	791.78	0.35
Main	5891	500yr	25365.26	813.01	841.87	831.33	842.76	0.000691	8.76	5741.82	801.06	0.31
Main	5891	2009 Storm	12901.34	813.01	833.12	826.13	834.44	0.001394	9.28	1504.01	154.14	0.41
Main	5891	FU100yr	18808.59	813.01	837.26	828.77	838.77	0.001234	10.19	2401.84	387.12	0.40
Main	5577	002yr	6784.82	812.14	827.47		828.37	0.001364	7.65	932.37	94.64	0.39
Main	5577	005yr	9778.37	812.14	830.13		831.34	0.001416	8.90	1198.53	105.17	0.41
Main	5577	010yr	11700.76	812.14	831.61		833.00	0.001446	9.60	1358.03	110.19	0.42
Main	5577	025yr	14130.90	812.14	833.40		834.97	0.001450	10.30	1619.78	177.20	0.43
Main	5577	050yr	16152.80	812.14	834.83		836.50	0.001407	10.68	1890.13	198.07	0.43
Main	5577	100yr	18555.97	812.14	836.47		838.19	0.001342	11.01	2228.58	219.17	0.42
Main	5577	200yr	21561.65	812.14	838.94		840.50	0.001108	10.78	3109.94	468.43	0.39
Main	5577	500yr	25365.26	812.14	840.91		842.43	0.001032	10.98	4220.86	714.82	0.38
Main	5577	2009 Storm	12901.34	812.14	832.48		833.97	0.001462	9.99	1467.24	145.27	0.43
Main	5577	FU100yr	18808.59	812.14	836.61		838.34	0.001342	11.06	2261.87	261.59	0.42
Main	5259	002yr	6784.82	812.03	826.24		827.70	0.002967	9.68	701.23	69.96	0.54
Main	5259	005yr	9778.37	812.03	828.72		830.63	0.003043	11.08	892.80	82.62	0.56
Main	5259	010yr	11700.76	812.03	830.10		832.28	0.003020	11.86	1007.77	84.51	0.57
Main	5259	025yr	14130.90	812.03	831.75		834.24	0.002970	12.71	1149.18	86.79	0.58
Main	5259	050yr	16152.80	812.03	833.02		835.76	0.002949	13.37	1260.06	88.53	0.58
Main	5259	100yr	18555.97	812.03	834.39	829.40	837.45	0.002954	14.12	1409.53	149.75	0.59
Main	5259	200yr	21561.65	812.03	837.15	830.67	839.89	0.002272	13.64	2010.61	276.96	0.53
Main	5259	500yr	25365.26	812.03	839.21		841.87	0.002042	13.78	2653.58	342.34	0.51
Main	5259	2009 Storm	12901.34	812.03	830.89		833.24	0.003025	12.33	1074.84	85.60	0.58
Main	5259	FU100yr	18808.59	812.03	834.50	829.51	837.60	0.002972	14.22	1425.62	159.85	0.59
Main	5042	002yr	6784.82	811.65	825.72		827.07	0.002567	9.37	767.18	112.71	0.51
Main	5042	005yr	9778.37	811.65	828.31		829.97	0.002436	10.50	1106.52	158.10	0.52
Main	5042	010yr	11700.76	811.65	829.84		831.58	0.002266	10.92	1351.37	161.67	0.51
Main	5042	025yr	14130.90	811.65	831.69		833.51	0.002071	11.31	1654.62	166.05	0.49
Main	5042	050yr	16152.80	811.65	833.11		834.99	0.001958	11.63	1892.33	169.53	0.49
Main	5042	100yr	18555.97	811.65	834.65		836.62	0.001870	12.01	2157.50	173.47	0.48
Main	5042	200yr	21561.65	811.65	837.37		839.22	0.001520	11.83	2639.09	181.45	0.44
Main	5042	500yr	25365.26	811.65	839.26		841.31	0.001535	12.55	2987.21	187.14	0.45
Main	5042	2009 Storm	12901.34	811.65	830.72		832.52	0.002190	11.16	1494.82	163.73	0.50
Main	5042	FU100yr	18808.59	811.65	834.77		836.76	0.001877	12.08	2177.78	173.79	0.48
Main	4938	002yr	6784.82	811.08	825.65		826.78	0.001784	8.54	809.12	80.30	0.43
Main	4938	005yr	9778.37	811.08	828.13		829.72	0.001964	10.14	1017.81	89.78	0.47
Main	4938	010yr	11700.76	811.08	829.46		831.34	0.002086	11.07	1153.39	112.82	0.49
Main	4938	025yr	14130.90	811.08	831.07		833.25	0.002154	11.99	1346.67	126.17	0.50
Main	4938	050yr	16152.80	811.08	832.33		834.72	0.002184	12.65	1510.31	134.83	0.51
Main	4938	100yr	18555.97	811.08	833.70		836.34	0.002217	13.36	1704.14	146.60	0.52
Main	4938	200yr	21561.65	811.08	836.43		838.97	0.001854	13.29	2142.12	175.53	0.49
Main	4938	500yr	25365.26	811.08	838.16		841.04	0.001944	14.28	2465.33	201.67	0.51
Main	4938	2009 Storm	12901.34	811.08	830.22		832.27	0.002152	11.60	1241.06	120.17	0.50
Main	4938	FU100yr	18808.59	811.08	833.80		836.47	0.002239	13.46	1717.92	147.53	0.53
Main	4838	002yr	6784.82	810.69	825.79	819.81	826.34	0.001341	5.92	1145.56	149.27	0.38
Main	4838	005yr	9778.37	810.69	828.48	821.58	829.09	0.001089	6.24	1566.82	162.83	0.35
Main	4838	010yr	11700.76	810.69	829.94	822.66	830.59	0.000978	6.49	1808.39	168.31	0.34
Main	4838	025yr	14130.90	810.69	831.67	824.22	832.39	0.000881	6.78	2105.29	174.42	0.33
Main	4838	050yr	16152.80	810.69	833.01	825.18	833.78	0.000826	7.02	2343.32	180.37	0.33
Main	4838	100yr	18555.97	810.69	834.49	825.98	835.31	0.000782	7.29	2613.93	186.90	0.32
Main	4838	200yr	21561.65	810.69	837.21	826.87	838.00	0.000615	7.19	3135.97	196.75	0.29
Main	4838	500yr	25365.26	810.69	839.05	827.91	839.95	0.000615	7.66	3505.55	209.55	0.30
Main	4838	2009 Storm	12901.34	810.69	830.76	823.53	831.45	0.000939	6.67	1947.72	170.97	0.34
Main	4838	FU100yr	18808.59	810.69	834.60	826.04	835.43	0.000785	7.34	2634.06	187.31	0.32

HEC-RAS Plan: CorrEff MP River: NFPC Reach: Main (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Main	4771 Druid Hills Rd		Bridge									
Main	4682	002yr	6784.82	810.53	825.13	818.30	825.69	0.001265	6.05	1121.16	132.94	0.37
Main	4682	005yr	9778.37	810.53	827.86	820.18	828.52	0.001065	6.50	1507.73	145.60	0.35
Main	4682	010yr	11700.76	810.53	829.36	821.26	830.08	0.000983	6.82	1728.67	149.33	0.34
Main	4682	025yr	14130.90	810.53	831.07	822.95	831.88	0.000922	7.21	1988.41	154.30	0.34
Main	4682	050yr	16152.80	810.53	832.37	824.07	833.25	0.000891	7.53	2191.72	158.79	0.34
Main	4682	100yr	18555.97	810.53	833.80	825.17	834.76	0.000868	7.89	2422.78	165.45	0.34
Main	4682	200yr	21561.65	810.53	836.58	826.20	837.51	0.000693	7.81	2901.23	176.74	0.31
Main	4682	500yr	25365.26	810.53	838.18	827.24	839.28	0.000730	8.45	3188.82	186.19	0.33
Main	4682	2009 Storm	12901.34	810.53	830.18	822.12	830.95	0.000960	7.04	1852.46	151.38	0.34
Main	4682	FU100yr	18808.59	810.53	833.90	825.28	834.87	0.000875	7.95	2438.91	166.03	0.34
Main	4516	002yr	6784.82	809.83	824.04		825.23	0.002339	8.76	776.58	80.79	0.49
Main	4516	005yr	9778.37	809.83	826.51		828.00	0.002527	9.83	1007.70	98.94	0.52
Main	4516	010yr	11700.76	809.83	827.85		829.54	0.002454	10.46	1143.59	103.45	0.53
Main	4516	025yr	14130.90	809.83	829.35		831.30	0.002424	11.22	1302.76	108.03	0.53
Main	4516	050yr	16152.80	809.83	830.47		832.63	0.002434	11.84	1424.82	110.92	0.54
Main	4516	100yr	18555.97	809.83	831.67		834.09	0.002467	12.56	1560.11	114.00	0.55
Main	4516	200yr	21561.65	809.83	834.66		836.93	0.001863	12.22	1911.90	121.69	0.49
Main	4516	500yr	25365.26	809.83	835.78		838.57	0.002122	13.55	2051.53	127.74	0.53
Main	4516	2009 Storm	12901.34	809.83	828.55		830.39	0.002475	10.90	1216.82	105.61	0.53
Main	4516	FU100yr	18808.59	809.83	831.72		834.19	0.002509	12.69	1565.51	114.12	0.56
Main	4159	002yr	6784.82	809.39	823.06		824.25	0.003292	8.74	776.55	103.48	0.56
Main	4159	005yr	9778.37	809.39	825.73		827.04	0.002547	9.20	1068.39	114.37	0.52
Main	4159	010yr	11700.76	809.39	827.20		828.62	0.002289	9.57	1239.51	119.10	0.50
Main	4159	025yr	14130.90	809.39	828.80		830.38	0.002135	10.09	1435.76	125.53	0.50
Main	4159	050yr	16152.80	809.39	829.98		831.70	0.002075	10.55	1586.19	129.57	0.50
Main	4159	100yr	18555.97	809.39	831.24		833.14	0.002044	11.09	1752.20	133.04	0.50
Main	4159	200yr	21561.65	809.39	834.48		836.18	0.001435	10.55	2199.05	143.39	0.43
Main	4159	500yr	25365.26	809.39	835.63		837.70	0.001615	11.65	2366.75	147.66	0.46
Main	4159	2009 Storm	12901.34	809.39	827.93		829.45	0.002250	9.89	1328.33	122.05	0.50
Main	4159	FU100yr	18808.59	809.39	831.28		833.22	0.002081	11.21	1757.53	133.16	0.50
Main	3985	002yr	6784.82	808.98	822.95		823.79	0.001378	7.52	988.26	111.35	0.39
Main	3985	005yr	9778.37	808.98	825.62		826.65	0.001326	8.46	1306.16	127.29	0.40
Main	3985	010yr	11700.76	808.98	827.11		828.23	0.001292	8.93	1500.28	133.15	0.40
Main	3985	025yr	14130.90	808.98	828.74		830.00	0.001285	9.51	1722.35	138.95	0.40
Main	3985	050yr	16152.80	808.98	829.94		831.31	0.001296	9.99	1891.34	143.13	0.41
Main	3985	100yr	18555.97	808.98	831.23		832.74	0.001319	10.54	2080.12	159.14	0.42
Main	3985	200yr	21561.65	808.98	834.55		835.86	0.000957	9.95	2705.19	195.98	0.37
Main	3985	500yr	25365.26	808.98	835.76		837.32	0.001075	10.92	2944.44	198.97	0.39
Main	3985	2009 Storm	12901.34	808.98	827.86		829.06	0.001312	9.28	1600.86	135.86	0.40
Main	3985	FU100yr	18808.59	808.98	831.27		832.81	0.001344	10.65	2086.60	161.63	0.42
Main	3614	002yr	6784.82	808.47	821.86		823.07	0.002510	8.84	767.12	81.91	0.51
Main	3614	005yr	9778.37	808.47	824.64		826.00	0.002142	9.45	1110.49	149.44	0.49
Main	3614	010yr	11700.76	808.47	826.33		827.65	0.001801	9.49	1397.34	192.52	0.46
Main	3614	025yr	14130.90	808.47	828.23		829.48	0.001497	9.45	1765.63	195.67	0.43
Main	3614	050yr	16152.80	808.47	829.53		830.78	0.001375	9.57	2021.34	197.83	0.42
Main	3614	100yr	18555.97	808.47	830.91		832.19	0.001283	9.75	2297.06	200.14	0.41
Main	3614	200yr	21561.65	808.47	834.46		835.43	0.000804	8.71	3025.16	217.52	0.33
Main	3614	500yr	25365.26	808.47	835.70		836.83	0.000880	9.46	3304.25	232.86	0.35
Main	3614	2009 Storm	12901.34	808.47	827.18		828.50	0.001690	9.58	1561.67	193.98	0.45
Main	3614	FU100yr	18808.59	808.47	830.95		832.25	0.001307	9.86	2304.23	200.19	0.41
Main	3184	002yr	6784.82	806.68	821.68	814.76	822.25	0.000961	6.02	1130.16	116.38	0.33
Main	3184	005yr	9778.37	806.68	824.54	816.64	825.24	0.000891	6.73	1533.10	167.52	0.33
Main	3184	010yr	11700.76	806.68	826.24	817.66	826.98	0.000820	7.00	1840.27	194.46	0.32
Main	3184	025yr	14130.90	806.68	828.13	818.86	828.90	0.000755	7.27	2230.90	219.65	0.31
Main	3184	050yr	16152.80	806.68	829.42	819.84	830.24	0.000731	7.52	2529.96	241.00	0.31
Main	3184	100yr	18555.97	806.68	830.83	820.87	831.67	0.000701	7.74	2873.71	262.67	0.31
Main	3184	200yr	21561.65	806.68	834.44	822.07	835.09	0.000453	6.97	3781.11	380.40	0.26
Main	3184	500yr	25365.26	806.68	835.70	823.47	836.45	0.000496	7.55	4137.09	400.30	0.27
Main	3184	2009 Storm	12901.34	806.68	827.08	818.27	827.86	0.000808	7.21	2009.00	205.72	0.32
Main	3184	FU100yr	18808.59	806.68	830.86	821.00	831.72	0.000714	7.82	2882.21	263.52	0.31
Main	3021	002yr	6931.43	805.61	821.36	816.06	822.03	0.001324	6.59	1052.50	113.03	0.38
Main	3021	005yr	10019.16	805.61	824.26	817.77	825.04	0.001190	7.10	1424.23	138.31	0.37
Main	3021	010yr	12185.66	805.61	825.91	818.82	826.78	0.001108	7.51	1660.73	147.78	0.37
Main	3021	025yr	14877.92	805.61	827.71	820.02	828.70	0.001059	8.00	1935.36	158.06	0.37
Main	3021	050yr	16947.01	805.61	828.94	820.88	830.02	0.001041	8.37	2134.55	165.12	0.37
Main	3021	100yr	19361.12	805.61	830.25	821.81	831.43	0.001034	8.80	2354.81	172.59	0.37
Main	3021	200yr	21185.36	805.61	834.03	822.63	834.93	0.000613	7.73	3033.57	213.72	0.30
Main	3021	500yr	26002.23	805.61	834.99	824.11	836.19	0.000791	9.04	3302.38	256.54	0.34
Main	3021	2009 Storm	13381.20	805.61	826.74	819.36	827.66	0.001082	7.73	1784.78	152.51	0.37
Main	3021	FU100yr	19455.54	805.61	830.30	822.10	831.48	0.001034	8.81	2363.74	172.88	0.37
Main	2966 Buford Hwy		Bridge									
Main	2863	002yr	6931.43	805.48	820.53	815.76	821.38	0.001722	7.41	935.93	100.61	0.43
Main	2863	005yr	10019.16	805.48	823.31	817.54	824.34	0.001640	8.14	1231.74	111.50	0.43
Main	2863	010yr	12185.66	805.48	824.94	818.64	826.05	0.001504	8.52	1482.90	178.27	0.42
Main	2863	025yr	14877.92	805.48	826.72	819.95	827.90	0.001363	8.85	1780.26	197.31	0.41
Main	2863	050yr	16947.01	805.48	827.94	820.87	829.16	0.001295	9.10	1985.82	209.78	0.40
Main	2863	100yr	19361.12	805.48	829.22	821.87	830.51	0.001244	9.40	2205.14	226.46	0.40
Main	2863	200yr	21185.36	805.48	830.15	822.58	831.50	0.001208	9.60	2367.51	233.54	0.40

HEC-RAS Plan: CorrEff MP River: NFPC Reach: Main (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Main	2863	500yr	26002.23	805.48	832.58	824.99	834.03	0.001106	10.00	2799.06	253.61	0.39
Main	2863	2009 Storm	13381.20	805.48	825.76	819.22	826.90	0.001434	8.67	1619.32	186.95	0.42
Main	2863	FU100yr	19455.54	805.48	829.27	821.90	830.57	0.001242	9.41	2214.07	226.96	0.40
Main	2704	002yr	6931.43	805.02	820.01		821.04	0.001876	8.15	850.45	106.62	0.51
Main	2704	005yr	10019.16	805.02	822.93		824.05	0.001644	8.50	1189.78	124.55	0.46
Main	2704	010yr	12185.66	805.02	824.55		825.77	0.001562	8.91	1398.79	135.77	0.45
Main	2704	025yr	14877.92	805.02	826.24		827.61	0.001526	9.46	1656.90	181.90	0.45
Main	2704	050yr	16947.01	805.02	827.40		828.87	0.001502	9.83	1913.60	247.63	0.45
Main	2704	100yr	19361.12	805.02	828.70		830.23	0.001450	10.14	2241.34	258.94	0.44
Main	2704	200yr	21185.36	805.02	829.67		831.22	0.001396	10.30	2495.86	265.12	0.44
Main	2704	500yr	26002.23	805.02	832.22		833.80	0.001241	10.56	3253.96	347.25	0.42
Main	2704	2009 Storm	13381.20	805.02	825.33		826.62	0.001543	9.16	1508.85	150.00	0.45
Main	2704	FU100yr	19455.54	805.02	828.75		830.28	0.001446	10.14	2255.23	259.34	0.44
Main	2322	002yr	6931.43	804.70	818.72		820.14	0.002758	9.55	725.72	73.91	0.54
Main	2322	005yr	10019.16	804.70	821.36		823.18	0.002759	10.81	930.92	81.51	0.55
Main	2322	010yr	12185.66	804.70	822.75		824.90	0.002829	11.76	1046.56	85.58	0.57
Main	2322	025yr	14877.92	804.70	824.02		826.68	0.003096	13.08	1158.05	89.34	0.61
Main	2322	050yr	16947.01	804.70	824.78		827.88	0.003385	14.15	1226.33	91.56	0.64
Main	2322	100yr	19361.12	804.70	825.48		829.17	0.003796	15.44	1291.26	93.63	0.68
Main	2322	200yr	21185.36	804.70	825.98		830.12	0.004097	16.37	1338.07	95.09	0.71
Main	2322	500yr	26002.23	804.70	827.27		832.59	0.004768	18.57	1463.91	98.91	0.78
Main	2322	2009 Storm	13381.20	804.70	823.36		825.72	0.002934	12.34	1099.20	87.38	0.58
Main	2322	FU100yr	19455.54	804.70	825.51		829.22	0.003806	15.48	1294.34	93.73	0.68
Main	1905	002yr	6931.43	803.10	816.78		818.70	0.004127	11.10	624.57	65.74	0.63
Main	1905	005yr	10019.16	803.10	819.25		821.72	0.004095	12.64	815.24	107.52	0.65
Main	1905	010yr	12185.66	803.10	820.52	817.57	823.40	0.004195	13.70	989.19	165.84	0.67
Main	1905	025yr	14877.92	803.10	821.91	819.02	825.12	0.004199	14.68	1243.36	196.40	0.68
Main	1905	050yr	16947.01	803.10	822.89	821.27	826.29	0.004156	15.26	1451.55	230.21	0.69
Main	1905	100yr	19361.12	803.10	823.96	822.68	827.48	0.004058	15.78	1702.70	240.44	0.69
Main	1905	200yr	21185.36	803.10	824.55	823.48	828.27	0.004164	16.36	1845.44	246.35	0.70
Main	1905	500yr	26002.23	803.10	826.75	825.21	830.35	0.003642	16.60	2411.65	268.14	0.67
Main	1905	2009 Storm	13381.20	803.10	821.11	818.30	824.18	0.004268	14.24	1090.20	178.70	0.68
Main	1905	FU100yr	19455.54	803.10	824.01	822.72	827.52	0.004044	15.78	1714.60	240.94	0.69
Main	1537	002yr	6942.37	801.76	816.03		817.34	0.002552	9.15	758.80	76.94	0.51
Main	1537	005yr	10037.87	801.76	818.69		820.29	0.002554	10.19	1055.30	173.00	0.53
Main	1537	010yr	12208.33	801.76	820.16		821.91	0.002426	10.76	1326.01	191.66	0.53
Main	1537	025yr	14905.52	801.76	821.67		823.60	0.002375	11.45	1626.52	205.76	0.53
Main	1537	050yr	16981.52	801.76	822.68	818.35	824.76	0.002377	11.98	1857.06	300.60	0.54
Main	1537	100yr	19401.45	801.76	823.78	819.68	825.97	0.002345	12.46	2259.25	395.40	0.54
Main	1537	200yr	21041.05	801.76	824.56		826.71	0.002221	12.50	2582.64	421.56	0.53
Main	1537	500yr	26044.76	801.76	827.11		828.93	0.001734	12.10	3686.55	461.24	0.48
Main	1537	2009 Storm	13360.89	801.76	820.82		822.66	0.002403	11.07	1455.82	197.92	0.53
Main	1537	FU100yr	19510.08	801.76	823.83	819.73	826.02	0.002337	12.46	2280.35	396.52	0.54
Main	1168	002yr	6942.37	800.92	815.48		816.45	0.001793	7.92	887.28	101.38	0.44
Main	1168	005yr	10037.87	800.92	818.18		819.40	0.001737	8.93	1201.52	137.82	0.45
Main	1168	010yr	12208.33	800.92	819.64		821.05	0.001739	9.62	1411.15	148.65	0.45
Main	1168	025yr	14905.52	800.92	821.09		822.76	0.001819	10.51	1641.79	171.04	0.47
Main	1168	050yr	16981.52	800.92	822.05		823.92	0.001893	11.17	1809.61	178.19	0.49
Main	1168	100yr	19401.45	800.92	823.05		825.15	0.001987	11.90	1991.76	186.34	0.50
Main	1168	200yr	21041.05	800.92	823.62		825.90	0.002076	12.43	2102.98	202.67	0.52
Main	1168	500yr	26044.76	800.92	825.39		828.11	0.002230	13.72	2485.64	228.65	0.55
Main	1168	2009 Storm	13360.89	800.92	820.28		821.81	0.001775	10.02	1507.98	157.85	0.46
Main	1168	FU100yr	19510.08	800.92	823.10		825.20	0.001990	11.93	2000.23	186.72	0.50
Main	824	002yr	6942.37	800.35	814.99		815.82	0.001645	7.32	948.00	98.78	0.42
Main	824	005yr	10037.87	800.35	817.75		818.77	0.001603	8.10	1243.30	113.74	0.42
Main	824	010yr	12208.33	800.35	819.24		820.41	0.001572	8.70	1416.56	119.02	0.43
Main	824	025yr	14905.52	800.35	820.68		822.09	0.001640	9.54	1592.42	125.22	0.44
Main	824	050yr	16981.52	800.35	821.61		823.22	0.001721	10.19	1717.38	139.14	0.46
Main	824	100yr	19401.45	800.35	822.58		824.42	0.001819	10.91	1855.40	145.79	0.48
Main	824	200yr	21041.05	800.35	823.13		825.14	0.001908	11.43	1936.12	149.26	0.49
Main	824	500yr	26044.76	800.35	824.81		827.30	0.002097	12.77	2196.41	160.52	0.52
Main	824	2009 Storm	13360.89	800.35	819.88		821.15	0.001601	9.07	1493.33	121.81	0.43
Main	824	FU100yr	19510.08	800.35	822.62		824.47	0.001822	10.94	1861.97	146.07	0.48
Main	429	002yr	6943.65	800.14	812.60		814.69	0.004477	11.59	599.74	66.16	0.67
Main	429	005yr	10040.77	800.14	814.61	812.38	817.55	0.004880	13.78	755.38	172.63	0.72
Main	429	010yr	12210.21	800.14	815.97	813.67	819.21	0.004714	14.61	1029.02	215.54	0.72
Main	429	025yr	14904.95	800.14	817.53	816.46	820.89	0.004390	15.22	1376.77	233.67	0.71
Main	429	050yr	16980.45	800.14	818.61	817.51	822.03	0.004175	15.58	1634.51	242.61	0.70
Main	429	100yr	19398.05	800.14	819.67	818.51	823.21	0.004086	16.12	1895.61	250.46	0.70
Main	429	200yr	20940.12	800.14	820.30	819.16	823.92	0.004044	16.44	2054.15	254.56	0.70
Main	429	500yr	26024.15	800.14	822.21	820.76	826.06	0.003922	17.38	2556.62	268.82	0.70
Main	429	2009 Storm	13344.32	800.14	816.65	814.28	819.95	0.004570	14.89	1176.73	221.88	0.72
Main	429	FU100yr	19514.03	800.14	819.72	818.55	823.27	0.004083	16.14	1907.67	250.78	0.70

Standard Table 2

HEC-RAS Plan: CorrEff MP River: NFPC Reach: Main

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Main	6189	002yr	830.93	830.34	0.59			230.37	6503.96	50.49	114.94
Main	6189	005yr	834.05	833.26	0.79			493.79	9123.50	161.08	210.06
Main	6189	010yr	834.36	833.23	1.13			588.62	10920.70	191.44	208.91
Main	6189	025yr	836.23	835.12	1.11			814.50	12380.40	936.01	465.92
Main	6189	050yr	837.51	836.57	0.94	0.04	0.01	959.14	12817.31	2376.35	692.89
Main	6189	100yr	839.40	838.90	0.50			1014.41	11475.01	6066.55	729.26
Main	6189	200yr	841.26	840.90	0.35			1016.46	11076.03	9469.16	779.91
Main	6189	500yr	843.06	842.78	0.28			1423.63	11049.50	12892.13	1083.76
Main	6189	2009 Storm	835.37	834.16	1.21			713.94	11936.94	250.46	281.74
Main	6189	FU100yr	839.40	838.89	0.51			1029.46	11640.72	6138.41	729.12
Main	6118 Corporate Blvd		Bridge								
Main	6074	002yr	829.16	828.69	0.48	0.24	0.11	10.79	6768.39	5.63	113.92
Main	6074	005yr	832.16	831.52	0.63	0.23	0.13	48.81	9696.42	33.14	122.70
Main	6074	010yr	833.84	833.11	0.73	0.23	0.15	87.34	11550.24	63.18	127.62
Main	6074	025yr	835.83	834.99	0.84	0.23	0.16	151.66	13864.14	115.10	209.99
Main	6074	050yr	837.33	836.40	0.93	0.23	0.16	216.26	15768.20	168.34	255.90
Main	6074	100yr	838.98	837.93	1.04	0.22	0.14	305.23	18061.38	189.36	578.10
Main	6074	200yr	841.15	840.45	0.70	0.16	0.15	402.02	17904.39	3255.24	750.93
Main	6074	500yr	842.97	842.39	0.58	0.12	0.09	449.57	18633.49	6282.20	847.86
Main	6074	2009 Storm	834.83	834.04	0.79	0.23	0.16	116.63	12698.09	86.62	151.63
Main	6074	FU100yr	839.13	838.07	1.06	0.22	0.14	314.43	18287.85	206.31	594.68
Main	5891	002yr	828.82	827.99	0.83	0.44	0.01	2.90	6770.62	11.30	97.83
Main	5891	005yr	831.79	830.71	1.08	0.44	0.01	36.13	9694.40	47.84	108.37
Main	5891	010yr	833.46	832.24	1.23	0.45	0.02	75.64	11543.48	81.64	115.11
Main	5891	025yr	835.44	834.05	1.39	0.44	0.02	144.28	13815.25	171.37	189.99
Main	5891	050yr	836.95	835.48	1.46	0.43	0.02	217.18	15532.97	402.65	246.04
Main	5891	100yr	838.62	837.12	1.50	0.40	0.02	316.78	17383.48	855.71	368.62
Main	5891	200yr	840.85	839.64	1.20	0.32	0.04	456.85	18362.42	2742.38	791.78
Main	5891	500yr	842.76	841.87	0.89	0.26	0.06	576.10	18586.53	6202.64	801.06
Main	5891	2009 Storm	834.44	833.12	1.32	0.45	0.02	106.23	12686.70	108.41	154.14
Main	5891	FU100yr	838.77	837.26	1.51	0.40	0.02	326.67	17573.92	908.01	387.12
Main	5577	002yr	828.37	827.47	0.90	0.62	0.06	76.39	6707.46	0.97	94.64
Main	5577	005yr	831.34	830.13	1.20	0.64	0.07	222.00	9538.49	17.88	105.17
Main	5577	010yr	833.00	831.61	1.39	0.64	0.08	341.89	11317.12	41.75	110.19
Main	5577	025yr	834.97	833.40	1.58	0.64	0.09	515.09	13490.80	125.02	177.20
Main	5577	050yr	836.50	834.83	1.67	0.63	0.11	670.30	15114.21	368.29	198.07
Main	5577	100yr	838.19	836.47	1.73	0.61	0.13	863.21	16895.43	797.33	219.17
Main	5577	200yr	840.50	838.94	1.56	0.49	0.12	1127.77	18474.08	1959.81	468.43
Main	5577	500yr	842.43	840.91	1.52	0.45	0.11	1397.67	20401.18	3566.42	714.82
Main	5577	2009 Storm	833.97	832.48	1.49	0.65	0.09	423.45	12409.71	68.18	145.27
Main	5577	FU100yr	838.34	836.61	1.74	0.61	0.14	882.30	17081.94	844.35	261.59
Main	5259	002yr	827.70	826.24	1.45	0.60	0.03		6784.82		69.96
Main	5259	005yr	830.63	828.72	1.90	0.59	0.07	18.07	9759.78	0.52	82.62
Main	5259	010yr	832.28	830.10	2.18	0.56	0.13	51.09	11644.72	4.95	84.51
Main	5259	025yr	834.24	831.75	2.49	0.53	0.20	99.75	14011.42	19.72	86.79
Main	5259	050yr	835.76	833.02	2.75	0.51	0.26	141.24	15971.06	40.51	88.53
Main	5259	100yr	837.45	834.39	3.06	0.50	0.33	190.44	18294.43	71.10	149.75
Main	5259	200yr	839.89	837.15	2.74	0.40	0.27	270.57	20412.62	878.45	276.96
Main	5259	500yr	841.87	839.21	2.66	0.38	0.18	351.28	22719.21	2294.77	342.34
Main	5259	2009 Storm	833.24	830.89	2.35	0.55	0.17	73.79	12817.02	10.53	85.60
Main	5259	FU100yr	837.60	834.50	3.10	0.50	0.33	194.98	18530.84	82.77	159.85
Main	5042	002yr	827.07	825.72	1.35	0.22	0.07	46.87	6737.90	0.05	112.71
Main	5042	005yr	829.97	828.31	1.66	0.23	0.02	322.25	9449.57	6.55	158.10
Main	5042	010yr	831.58	829.84	1.74	0.23	0.01	695.26	10986.79	18.71	161.67
Main	5042	025yr	833.51	831.69	1.81	0.22	0.04	1247.09	12839.60	44.21	166.05
Main	5042	050yr	834.99	833.11	1.88	0.22	0.05	1732.63	14346.71	73.45	169.53
Main	5042	100yr	836.62	834.65	1.97	0.21	0.07	2322.45	16116.86	116.65	173.47
Main	5042	200yr	839.22	837.37	1.85	0.17	0.07	3244.86	18104.92	211.87	181.45
Main	5042	500yr	841.31	839.26	2.05	0.18	0.08	4173.41	20870.61	321.24	187.14
Main	5042	2009 Storm	832.52	830.72	1.80	0.23	0.03	950.86	11921.04	29.44	163.73
Main	5042	FU100yr	836.76	834.77	1.99	0.21	0.07	2377.41	16310.37	120.81	173.79
Main	4938	002yr	826.78	825.65	1.13	0.15	0.29	12.45	6771.84	0.53	80.30
Main	4938	005yr	829.72	828.13	1.58	0.14	0.49	86.04	9683.40	8.93	89.78
Main	4938	010yr	831.34	829.46	1.88	0.14	0.61	144.21	11536.01	20.54	112.82
Main	4938	025yr	833.25	831.07	2.18	0.13	0.73	332.33	13755.20	43.37	126.17
Main	4938	050yr	834.72	832.33	2.39	0.13	0.82	545.10	15538.85	68.85	134.83
Main	4938	100yr	836.34	833.70	2.64	0.12	0.91	836.39	17613.25	106.33	146.60
Main	4938	200yr	838.97	836.43	2.54	0.10	0.87	1468.67	19893.88	199.11	175.53
Main	4938	500yr	841.04	838.16	2.88	0.10	0.99	2077.29	22986.51	301.46	201.67
Main	4938	2009 Storm	832.27	830.22	2.05	0.14	0.68	219.70	12651.54	30.10	120.17
Main	4938	FU100yr	836.47	833.80	2.68	0.12	0.92	861.87	17836.90	109.82	147.53
Main	4838	002yr	826.34	825.79	0.55				6784.82		149.27
Main	4838	005yr	829.09	828.48	0.61			0.01	9778.11	0.25	162.83
Main	4838	010yr	830.59	829.94	0.66			1.90	11696.27	2.60	168.31
Main	4838	025yr	832.39	831.67	0.71	0.03	0.09	10.83	14109.88	10.19	174.42

HEC-RAS Plan: CorrEff MP River: NFPC Reach: Main (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Main	4838	050yr	833.78	833.01	0.76	0.03	0.09	24.89	16107.26	20.65	180.37
Main	4838	100yr	835.31	834.49	0.82	0.02	0.10	51.25	18467.04	37.68	186.90
Main	4838	200yr	838.00	837.21	0.80	0.02	0.08	127.62	21354.02	80.01	196.75
Main	4838	500yr	839.95	839.05	0.90	0.02	0.13	206.79	25031.45	127.02	209.55
Main	4838	2009 Storm	831.45	830.76	0.69	0.03	0.09	5.22	12890.65	5.47	170.97
Main	4838	FU100yr	835.43	834.60	0.83	0.02	0.10	54.00	18715.27	39.32	187.31
Main	4771 Druid Hills Rd		Bridge								
Main	4682	002yr	825.69	825.13	0.57	0.28	0.19		6784.82		132.94
Main	4682	005yr	828.52	827.86	0.66	0.26	0.25	1.01	9775.52	1.84	145.60
Main	4682	010yr	830.08	829.36	0.72	0.24	0.29	5.56	11688.71	6.49	149.33
Main	4682	025yr	831.88	831.07	0.81	0.23	0.34	17.31	14097.23	16.36	154.30
Main	4682	050yr	833.25	832.37	0.88	0.23	0.39	32.13	16091.29	29.38	158.79
Main	4682	100yr	834.76	833.80	0.96	0.23	0.44	55.45	18450.87	49.65	165.45
Main	4682	200yr	837.51	836.58	0.94	0.18	0.40	114.09	21319.67	127.89	176.74
Main	4682	500yr	839.28	838.18	1.10	0.19	0.51	164.96	24991.19	209.11	186.19
Main	4682	2009 Storm	830.95	830.18	0.77	0.24	0.32	10.26	12880.38	10.70	151.38
Main	4682	FU100yr	834.87	833.90	0.98	0.23	0.45	57.59	18699.44	51.57	166.03
Main	4516	002yr	825.23	824.04	1.19	0.98	0.00	1.58	6783.24		80.79
Main	4516	005yr	828.00	826.51	1.50	0.90	0.06	18.16	9759.56	0.65	98.94
Main	4516	010yr	829.54	827.85	1.69	0.84	0.08	37.79	11657.74	5.23	103.45
Main	4516	025yr	831.30	829.35	1.95	0.81	0.11	71.84	14040.28	18.78	108.03
Main	4516	050yr	832.63	830.47	2.16	0.80	0.13	105.65	16010.40	36.74	110.92
Main	4516	100yr	834.09	831.67	2.42	0.80	0.16	151.57	18340.35	64.05	114.00
Main	4516	200yr	836.93	834.66	2.28	0.58	0.17	265.81	21147.59	148.25	121.69
Main	4516	500yr	838.57	835.78	2.79	0.66	0.22	332.63	24823.32	209.31	127.74
Main	4516	2009 Storm	830.39	828.55	1.84	0.84	0.10	52.56	12838.49	10.28	105.61
Main	4516	FU100yr	834.19	831.72	2.47	0.81	0.16	154.86	18587.88	65.85	114.12
Main	4159	002yr	824.25	823.06	1.19	0.36	0.11		6784.82		103.48
Main	4159	005yr	827.04	825.73	1.31	0.31	0.09	0.94	9773.47	3.96	114.37
Main	4159	010yr	828.62	827.20	1.42	0.29	0.09	5.75	11679.15	15.86	119.10
Main	4159	025yr	830.38	828.80	1.58	0.28	0.10	18.00	14072.62	40.28	125.53
Main	4159	050yr	831.70	829.98	1.72	0.28	0.10	32.63	16048.54	71.64	129.57
Main	4159	100yr	833.14	831.24	1.89	0.28	0.11	53.98	18382.12	119.86	133.04
Main	4159	200yr	836.18	834.48	1.70	0.20	0.12	121.42	21184.14	256.08	143.39
Main	4159	500yr	837.70	835.63	2.07	0.23	0.16	169.08	24842.42	353.76	147.66
Main	4159	2009 Storm	829.45	827.93	1.52	0.29	0.09	10.41	12865.68	25.25	122.05
Main	4159	FU100yr	833.22	831.28	1.93	0.29	0.12	55.26	18630.61	122.72	133.16
Main	3985	002yr	823.79	822.95	0.83	0.67	0.04		6381.83	402.99	111.35
Main	3985	005yr	826.65	825.62	1.03	0.62	0.03	8.70	8847.28	922.40	127.29
Main	3985	010yr	828.23	827.11	1.12	0.56	0.02	29.63	10316.19	1354.94	133.15
Main	3985	025yr	830.00	828.74	1.26	0.51	0.00	73.76	12134.33	1922.81	138.95
Main	3985	050yr	831.31	829.94	1.37	0.49	0.04	123.32	13625.59	2403.89	143.13
Main	3985	100yr	832.74	831.23	1.51	0.48	0.07	195.92	15375.76	2984.29	159.14
Main	3985	200yr	835.86	834.55	1.31	0.32	0.10	618.87	16966.32	3976.46	195.98
Main	3985	500yr	837.32	835.76	1.55	0.36	0.13	934.43	19586.33	4844.51	198.97
Main	3985	2009 Storm	829.06	827.86	1.21	0.55	0.01	47.25	11234.48	1619.61	135.86
Main	3985	FU100yr	832.81	831.27	1.55	0.49	0.07	200.50	15576.54	3031.56	161.63
Main	3614	002yr	823.07	821.86	1.22	0.63	0.20		6784.82		81.91
Main	3614	005yr	826.00	824.64	1.35	0.56	0.20	28.20	9512.47	237.71	149.44
Main	3614	010yr	827.65	826.33	1.32	0.50	0.17	149.89	10932.93	617.94	192.52
Main	3614	025yr	829.48	828.23	1.26	0.44	0.14	569.93	12446.90	1114.07	195.67
Main	3614	050yr	830.78	829.53	1.25	0.41	0.13	985.64	13672.97	1494.19	197.83
Main	3614	100yr	832.19	830.91	1.27	0.39	0.13	1519.68	15106.32	1929.97	200.14
Main	3614	200yr	835.43	834.46	0.97	0.25	0.10	2734.11	16168.81	2658.73	217.52
Main	3614	500yr	836.83	835.70	1.13	0.27	0.12	3563.65	18566.18	3235.42	232.86
Main	3614	2009 Storm	828.50	827.18	1.32	0.48	0.16	314.79	11742.78	843.77	193.98
Main	3614	FU100yr	832.25	830.95	1.30	0.40	0.13	1550.08	15297.35	1961.17	200.19
Main	3184	002yr	822.25	821.68	0.56	0.18	0.03		6784.09	0.73	116.38
Main	3184	005yr	825.24	824.54	0.70	0.17	0.03	1.67	9674.36	102.34	167.52
Main	3184	010yr	826.98	826.24	0.74	0.16	0.04	18.03	11357.92	324.81	194.46
Main	3184	025yr	828.90	828.13	0.78	0.14	0.06	77.61	13294.95	758.35	219.65
Main	3184	050yr	830.24	829.42	0.81	0.14	0.08	147.98	14814.94	1189.89	241.00
Main	3184	100yr	831.67	830.83	0.84	0.14	0.10	251.26	16431.68	1873.03	262.67
Main	3184	200yr	835.09	834.44	0.64	0.08	0.08	461.35	17544.49	3555.81	380.40
Main	3184	500yr	836.45	835.70	0.75	0.10	0.14	663.45	20060.55	4641.25	400.30
Main	3184	2009 Storm	827.86	827.08	0.78	0.15	0.04	39.19	12362.35	499.80	205.72
Main	3184	FU100yr	831.72	830.86	0.86	0.14	0.10	256.73	16640.63	1911.24	263.52
Main	3021	002yr	822.03	821.36	0.67	0.02	0.09		6931.43		113.03
Main	3021	005yr	825.04	824.26	0.78	0.01	0.12	7.08	10005.99	6.09	138.31
Main	3021	010yr	826.78	825.91	0.87	0.01	0.12	29.82	12131.96	23.88	147.78
Main	3021	025yr	828.70	827.71	0.99	0.01	0.12	80.15	14735.55	62.21	158.06
Main	3021	050yr	830.02	828.94	1.08	0.01	0.12	134.09	16710.10	102.81	165.12
Main	3021	100yr	831.43	830.25	1.18	0.01	0.12	211.80	18988.38	160.94	172.59
Main	3021	200yr	834.93	834.03	0.90			487.64	20362.46	335.27	213.72
Main	3021	500yr	836.19	834.99	1.22			653.14	24883.90	465.19	256.54

HEC-RAS Plan: CorrEff MP River: NFPC Reach: Main (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Main	3021	2009 Storm	827.66	826.74	0.92	0.01	0.12	49.22	13293.24	38.74	152.51
Main	3021	FU100yr	831.48	830.30	1.18	0.01	0.12	215.29	19076.70	163.55	172.88
Main	2966 Buford Hwy		Bridge								
Main	2863	002yr	821.38	820.53	0.85	0.29	0.05		6931.43		100.61
Main	2863	005yr	824.34	823.31	1.03	0.26	0.03	0.12	10019.04		111.50
Main	2863	010yr	826.05	824.94	1.11	0.24	0.03	2.58	12027.24	155.84	178.27
Main	2863	025yr	827.90	826.72	1.18	0.23	0.06	12.20	14243.56	622.16	197.31
Main	2863	050yr	829.16	827.94	1.23	0.22	0.07	24.83	15868.31	1053.87	209.78
Main	2863	100yr	830.51	829.22	1.30	0.22	0.07	45.00	17721.83	1594.29	226.46
Main	2863	200yr	831.50	830.15	1.34	0.21	0.06	65.53	19087.29	2032.53	233.54
Main	2863	500yr	834.03	832.58	1.45	0.19	0.04	147.35	22559.76	3295.13	253.61
Main	2863	2009 Storm	826.90	825.76	1.14	0.24	0.04	5.76	13032.57	342.88	186.95
Main	2863	FU100yr	830.57	829.27	1.30	0.22	0.07	45.98	17792.37	1617.20	226.96
Main	2704	002yr	821.04	820.01	1.03	0.86	0.04		6931.43		106.62
Main	2704	005yr	824.05	822.93	1.12	0.80	0.07	14.35	10000.05	4.76	124.55
Main	2704	010yr	825.77	824.55	1.23	0.78	0.09	53.41	12105.70	26.55	135.77
Main	2704	025yr	827.61	826.24	1.37	0.80	0.13	128.95	14653.83	95.14	181.90
Main	2704	050yr	828.87	827.40	1.47	0.83	0.16	207.16	16514.34	225.51	247.63
Main	2704	100yr	830.23	828.70	1.53	0.84	0.22	333.74	18505.30	522.08	258.94
Main	2704	200yr	831.22	829.67	1.56	0.85	0.26	441.28	19927.39	816.69	265.12
Main	2704	500yr	833.80	832.22	1.58	0.83	0.37	787.87	23469.33	1745.03	347.25
Main	2704	2009 Storm	826.62	825.33	1.29	0.79	0.11	83.00	13247.68	50.52	150.00
Main	2704	FU100yr	830.28	828.75	1.53	0.84	0.22	339.31	18579.54	536.69	259.34
Main	2322	002yr	820.14	818.72	1.42	1.39	0.05		6931.43		73.91
Main	2322	005yr	823.18	821.36	1.81	1.39	0.07		10014.97	4.19	81.51
Main	2322	010yr	824.90	822.75	2.15	1.42	0.07	0.81	12170.87	13.97	85.58
Main	2322	025yr	826.68	824.02	2.65	1.50	0.06	5.55	14840.97	31.40	89.34
Main	2322	050yr	827.88	824.78	3.10	1.56	0.03	11.67	16887.94	47.40	91.56
Main	2322	100yr	829.17	825.48	3.69	1.64	0.05	20.72	19272.58	67.82	93.63
Main	2322	200yr	830.12	825.98	4.14	1.72	0.13	29.44	21070.36	85.55	95.09
Main	2322	500yr	832.59	827.27	5.32	1.73	0.52	62.62	25794.94	144.67	98.91
Main	2322	2009 Storm	825.72	823.36	2.36	1.46	0.07	2.39	13357.74	21.07	87.38
Main	2322	FU100yr	829.22	825.51	3.71	1.64	0.06	21.21	19365.51	68.82	93.73
Main	1905	002yr	818.70	816.78	1.91	1.18	0.18		6931.43		65.74
Main	1905	005yr	821.72	819.25	2.48	1.17	0.26	1.74	9995.90	21.52	107.52
Main	1905	010yr	823.40	820.52	2.88	1.15	0.34	8.64	12022.90	154.12	165.84
Main	1905	025yr	825.12	821.91	3.21	1.14	0.38	24.75	14265.76	587.41	196.40
Main	1905	050yr	826.29	822.89	3.39	1.13	0.39	43.83	15855.57	1047.61	230.21
Main	1905	100yr	827.48	823.96	3.52	1.11	0.40	73.74	17533.94	1753.44	240.44
Main	1905	200yr	828.27	824.55	3.72	1.08	0.47	96.65	18837.05	2251.66	246.35
Main	1905	500yr	830.35	826.75	3.60	0.88	0.53	201.91	21591.38	4208.94	268.14
Main	1905	2009 Storm	824.18	821.11	3.08	1.15	0.37	14.42	13062.40	304.37	178.70
Main	1905	FU100yr	827.52	824.01	3.51	1.10	0.40	75.29	17592.33	1787.92	240.94
Main	1537	002yr	817.34	816.03	1.30	0.78	0.10		6942.37		76.94
Main	1537	005yr	820.29	818.69	1.60	0.77	0.11	14.06	9968.41	55.40	173.00
Main	1537	010yr	821.91	820.16	1.75	0.75	0.10	93.76	11869.93	244.65	191.66
Main	1537	025yr	823.60	821.67	1.93	0.76	0.08	243.01	14108.52	553.99	205.76
Main	1537	050yr	824.76	822.68	2.08	0.78	0.07	384.10	15794.29	803.14	300.60
Main	1537	100yr	825.97	823.78	2.19	0.80	0.03	568.07	17579.91	1253.47	395.40
Main	1537	200yr	826.71	824.56	2.14	0.79	0.01	703.94	18473.39	1863.72	421.56
Main	1537	500yr	828.93	827.11	1.82	0.73	0.09	1138.58	20494.39	4411.79	461.24
Main	1537	2009 Storm	822.66	820.82	1.83	0.76	0.09	151.86	12841.59	367.44	197.92
Main	1537	FU100yr	826.02	823.83	2.19	0.80	0.03	576.89	17642.79	1290.40	396.52
Main	1168	002yr	816.45	815.48	0.97	0.59	0.04	6.50	6935.87		101.38
Main	1168	005yr	819.40	818.18	1.23	0.57	0.06	89.41	9948.35	0.11	137.82
Main	1168	010yr	821.05	819.64	1.41	0.57	0.07	227.02	11977.68	3.63	148.65
Main	1168	025yr	822.76	821.09	1.67	0.59	0.08	435.50	14451.28	18.73	171.04
Main	1168	050yr	823.92	822.05	1.86	0.62	0.08	614.85	16310.11	56.56	178.19
Main	1168	100yr	825.15	823.05	2.10	0.65	0.08	840.30	18445.88	115.27	186.34
Main	1168	200yr	825.90	823.62	2.28	0.68	0.08	995.74	19906.29	139.01	202.67
Main	1168	500yr	828.11	825.39	2.72	0.74	0.07	1535.73	24136.85	372.18	228.65
Main	1168	2009 Storm	821.81	820.28	1.52	0.58	0.07	310.31	13045.25	5.33	157.85
Main	1168	FU100yr	825.20	823.10	2.11	0.65	0.08	851.20	18540.47	118.41	186.72
Main	824	002yr	815.82	814.99	0.83	1.01	0.13		6942.37		98.78
Main	824	005yr	818.77	817.75	1.02	1.02	0.19	0.00	10035.20	2.67	113.74
Main	824	010yr	820.41	819.24	1.17	1.00	0.21	0.50	12192.09	15.74	119.02
Main	824	025yr	822.09	820.68	1.41	1.00	0.20	2.78	14858.29	44.45	125.22
Main	824	050yr	823.22	821.61	1.61	1.01	0.18	5.95	16905.11	70.46	139.14
Main	824	100yr	824.42	822.58	1.84	1.03	0.17	11.17	19255.91	134.36	145.79
Main	824	200yr	825.14	823.13	2.01	1.06	0.16	15.29	20841.78	183.98	149.26
Main	824	500yr	827.30	824.81	2.49	1.10	0.14	33.46	25618.63	392.67	160.52
Main	824	2009 Storm	821.15	819.88	1.28	1.00	0.20	1.19	13333.86	25.83	121.81
Main	824	FU100yr	824.47	822.62	1.85	1.03	0.17	11.46	19360.69	137.93	146.07
Main	429	002yr	814.69	812.60	2.09	0.48	0.12	0.09	6943.27	0.29	66.16

HEC-RAS Plan: CorrEff MP River: NFPC Reach: Main (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Main	429	005yr	817.55	814.61	2.94	0.51	0.20	2.13	10023.51	15.13	172.63
Main	429	010yr	819.21	815.97	3.23	0.50	0.18	7.19	11907.42	295.60	215.54
Main	429	025yr	820.89	817.53	3.37	0.48	0.10	22.64	13920.36	961.95	233.67
Main	429	050yr	822.03	818.61	3.42	0.47	0.04	43.78	15335.04	1601.63	242.61
Main	429	100yr	823.21	819.67	3.54	0.46	0.04	76.45	16951.49	2370.11	250.46
Main	429	200yr	823.92	820.30	3.62	0.45	0.05	102.30	17951.58	2886.23	254.56
Main	429	500yr	826.06	822.21	3.85	0.43	0.09	216.72	21114.04	4693.39	268.82
Main	429	2009 Storm	819.95	816.65	3.30	0.49	0.15	11.97	12779.90	552.45	221.88
Main	429	FU100yr	823.27	819.72	3.55	0.46	0.04	78.26	17027.48	2408.28	250.78

APPENDIX I

HEC-RAS PROPOSED CONDITION MULTI-PROFILE MODEL

Standard Table 1

HEC-RAS Plan: Prop MP River: NFPC Reach: Main

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Main	6189	002yr	6784.82	813.86	830.26	821.98	830.85	0.000539	6.32	1204.33	114.60	0.29
Main	6189	005yr	9778.37	813.86	831.55	824.04	832.56	0.000824	8.27	1355.29	119.64	0.37
Main	6189	010yr	11700.76	813.86	833.16	825.34	834.29	0.000820	8.80	1601.23	203.08	0.37
Main	6189	025yr	14130.90	813.86	835.08	826.66	836.21	0.000752	9.03	2191.32	454.83	0.36
Main	6189	050yr	16152.80	813.86	836.55	827.74	837.50	0.000633	8.70	3076.92	692.09	0.34
Main	6189	100yr	18555.97	813.86	838.90	828.89	839.40	0.000353	6.98	4754.87	729.26	0.26
Main	6189	200yr	21561.65	813.86	840.93	830.17	841.27	0.000248	6.18	6281.36	780.42	0.22
Main	6189	500yr	25365.26	813.86	842.85	831.73	843.12	0.000191	5.71	8090.97	1095.17	0.19
Main	6189	2009 Storm	12901.34	813.86	834.12	825.99	835.27	0.000796	8.98	1833.58	275.67	0.37
Main	6189	FU100yr	18808.59	813.86	838.88	829.00	839.40	0.000365	7.09	4742.45	728.97	0.26
Main	6118 Corporate Blvd		Bridge									
Main	6074	002yr	6784.82	813.63	828.60	821.26	829.09	0.001174	5.60	1226.03	113.66	0.29
Main	6074	005yr	9778.37	813.63	831.44	823.02	832.09	0.001166	6.45	1561.72	122.46	0.30
Main	6074	010yr	11700.76	813.63	833.05	824.03	833.78	0.001168	6.92	1761.94	127.41	0.30
Main	6074	025yr	14130.90	813.63	834.96	825.21	835.80	0.001159	7.43	2010.73	207.38	0.31
Main	6074	050yr	16152.80	813.63	836.38	826.06	837.31	0.001163	7.83	2204.00	255.63	0.31
Main	6074	100yr	18555.97	813.63	837.94	826.94	838.98	0.001180	8.30	2447.31	578.59	0.32
Main	6074	200yr	21561.65	813.63	840.47	828.03	841.17	0.000792	7.34	4745.41	751.08	0.27
Main	6074	500yr	25365.26	813.63	842.45	829.32	843.03	0.000651	7.02	6308.70	850.80	0.24
Main	6074	2009 Storm	12901.34	813.63	834.00	824.64	834.79	0.001166	7.19	1884.33	147.53	0.31
Main	6074	FU100yr	18808.59	813.63	838.08	827.05	839.13	0.001184	8.35	2474.14	594.97	0.32
Main	5891	002yr	6784.82	813.01	827.89	821.50	828.74	0.001513	7.40	929.59	97.40	0.40
Main	5891	005yr	9778.37	813.01	830.62	823.61	831.71	0.001444	8.42	1210.47	108.01	0.41
Main	5891	010yr	11700.76	813.01	832.15	825.28	833.40	0.001424	8.99	1381.09	114.71	0.41
Main	5891	025yr	14130.90	813.01	834.01	826.72	835.40	0.001380	9.57	1650.38	188.11	0.41
Main	5891	050yr	16152.80	813.01	835.46	827.64	836.93	0.001322	9.90	1933.32	245.19	0.41
Main	5891	100yr	18555.97	813.01	837.12	828.67	838.62	0.001235	10.15	2361.15	368.95	0.40
Main	5891	200yr	21561.65	813.01	839.67	829.90	840.87	0.000917	9.48	3992.32	791.91	0.35
Main	5891	500yr	25365.26	813.01	841.95	831.33	842.82	0.000676	8.68	5806.32	801.39	0.31
Main	5891	2009 Storm	12901.34	813.01	833.07	826.13	834.39	0.001411	9.32	1495.68	151.59	0.41
Main	5891	FU100yr	18808.59	813.01	837.26	828.77	838.77	0.001232	10.19	2403.87	387.61	0.40
Main	5577	002yr	6784.82	812.14	827.35		828.27	0.001413	7.73	920.75	94.12	0.40
Main	5577	005yr	9778.37	812.14	830.02		831.25	0.001454	8.98	1186.92	104.77	0.41
Main	5577	010yr	11700.76	812.14	831.52		832.92	0.001477	9.66	1347.58	109.87	0.42
Main	5577	025yr	14130.90	812.14	833.35		834.94	0.001465	10.34	1610.95	176.53	0.43
Main	5577	050yr	16152.80	812.14	834.80		836.48	0.001416	10.71	1883.84	197.71	0.43
Main	5577	100yr	18555.97	812.14	836.47		838.20	0.001341	11.01	2230.00	220.03	0.42
Main	5577	200yr	21561.65	812.14	838.97		840.52	0.001100	10.75	3124.96	468.93	0.39
Main	5577	500yr	25365.26	812.14	841.01		842.50	0.001012	10.90	4288.06	716.48	0.38
Main	5577	2009 Storm	12901.34	812.14	832.41		833.92	0.001482	10.03	1457.95	142.02	0.43
Main	5577	FU100yr	18808.59	812.14	836.61		838.35	0.001340	11.06	2263.92	263.94	0.42
Main	5259	002yr	6784.82	812.03	826.06		827.57	0.003096	9.86	688.36	68.85	0.55
Main	5259	005yr	9778.37	812.03	828.55		830.51	0.003198	11.25	878.29	82.37	0.58
Main	5259	010yr	11700.76	812.03	829.95		832.18	0.003137	12.00	995.19	84.31	0.58
Main	5259	025yr	14130.90	812.03	831.68		834.19	0.003020	12.78	1142.76	86.69	0.58
Main	5259	050yr	16152.80	812.03	832.97		835.73	0.002978	13.41	1256.00	88.47	0.59
Main	5259	100yr	18555.97	812.03	834.40	829.40	837.46	0.002948	14.11	1411.04	150.02	0.59
Main	5259	200yr	21561.65	812.03	837.20	830.67	839.91	0.002247	13.58	2025.44	281.69	0.53
Main	5259	500yr	25365.26	812.03	839.37		841.95	0.001976	13.62	2707.62	346.81	0.50
Main	5259	2009 Storm	12901.34	812.03	830.79		833.17	0.003098	12.42	1066.28	85.46	0.58
Main	5259	FU100yr	18808.59	812.03	834.51	829.51	837.60	0.002965	14.21	1427.59	161.27	0.59
Main	5042	002yr	6784.82	811.65	825.49		826.91	0.002743	9.59	741.51	111.17	0.53
Main	5042	005yr	9778.37	811.65	828.10		829.82	0.002572	10.68	1074.10	156.00	0.53
Main	5042	010yr	11700.76	811.65	829.66		831.46	0.002380	11.09	1321.92	161.25	0.52
Main	5042	025yr	14130.90	811.65	831.61		833.45	0.002113	11.38	1640.59	165.84	0.50
Main	5042	050yr	16152.80	811.65	833.06		834.95	0.001980	11.67	1883.82	169.40	0.49
Main	5042	100yr	18555.97	811.65	834.66		836.63	0.001866	12.00	2159.29	173.50	0.48
Main	5042	200yr	21561.65	811.65	837.42		839.26	0.001508	11.79	2647.62	181.59	0.44
Main	5042	500yr	25365.26	811.65	839.40		841.41	0.001501	12.46	3013.57	187.60	0.45
Main	5042	2009 Storm	12901.34	811.65	830.60		832.44	0.002257	11.27	1475.43	163.46	0.51
Main	5042	FU100yr	18808.59	811.65	834.78		836.77	0.001872	12.07	2179.95	173.82	0.48
Main	4938	002yr	6784.82	811.08	825.43		826.60	0.001902	8.71	790.94	79.63	0.44
Main	4938	005yr	9778.37	811.08	827.92		829.55	0.002065	10.29	998.86	87.96	0.48
Main	4938	010yr	11700.76	811.08	829.29		831.21	0.002170	11.21	1133.53	110.91	0.50
Main	4938	025yr	14130.90	811.08	830.98		833.19	0.002194	12.07	1335.32	125.54	0.51
Main	4938	050yr	16152.80	811.08	832.27		834.68	0.002208	12.69	1502.78	134.36	0.52
Main	4938	100yr	18555.97	811.08	833.72		836.35	0.002212	13.35	1705.91	146.72	0.52
Main	4938	200yr	21561.65	811.08	836.49		839.01	0.001837	13.25	2151.68	176.29	0.49
Main	4938	500yr	25365.26	811.08	838.32		841.16	0.001895	14.17	2499.16	205.19	0.50
Main	4938	2009 Storm	12901.34	811.08	830.09		832.18	0.002209	11.69	1226.57	119.11	0.51
Main	4938	FU100yr	18808.59	811.08	833.81		836.48	0.002233	13.45	1720.09	147.68	0.53
Main	4838	002yr	6784.82	810.69	825.56	819.78	826.18	0.001111	6.40	1110.96	147.87	0.36
Main	4838	005yr	9778.37	810.69	828.25	821.57	828.95	0.000986	6.88	1529.85	161.95	0.35
Main	4838	010yr	11700.76	810.69	829.75	822.53	830.49	0.000908	7.13	1776.71	167.70	0.34
Main	4838	025yr	14130.90	810.69	831.57	823.87	832.35	0.000822	7.37	2087.56	173.97	0.33
Main	4838	050yr	16152.80	810.69	832.95	825.00	833.76	0.000777	7.58	2331.18	180.07	0.32
Main	4838	100yr	18555.97	810.69	834.49	826.04	835.34	0.000736	7.82	2613.54	186.89	0.32
Main	4838	200yr	21561.65	810.69	837.25	827.10	838.06	0.000584	7.64	3144.72	196.91	0.29
Main	4838	500yr	25365.26	810.69	839.20	828.20	840.09	0.000580	8.07	3539.03	220.71	0.30
Main	4838	2009 Storm	12901.34	810.69	830.63	823.20	831.39	0.000870	7.27	1925.05	170.54	0.34
Main	4838	FU100yr	18808.59	810.69	834.60	826.14	835.46	0.000739	7.86	2634.15	187.31	0.32

HEC-RAS Plan: Prop MP River: NFPC Reach: Main (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Main	4771 Druid Hills Rd		Bridge									
Main	4682	002yr	6784.82	810.53	824.92	818.30	825.57	0.000937	6.55	1094.30	130.19	0.33
Main	4682	005yr	9778.37	810.53	827.63	820.19	828.40	0.000890	7.30	1473.87	145.02	0.33
Main	4682	010yr	11700.76	810.53	829.16	821.26	829.99	0.000858	7.65	1699.04	148.84	0.33
Main	4682	025yr	14130.90	810.53	830.91	822.56	831.82	0.000830	8.06	1963.84	153.78	0.33
Main	4682	050yr	16152.80	810.53	832.23	823.69	833.20	0.000818	8.38	2169.47	158.30	0.33
Main	4682	100yr	18555.97	810.53	833.71	824.94	834.75	0.000803	8.72	2408.78	164.94	0.34
Main	4682	200yr	21561.65	810.53	836.56	826.46	837.53	0.000649	8.54	2898.05	176.69	0.31
Main	4682	500yr	25365.26	810.53	838.26	827.72	839.37	0.000681	9.15	3204.42	187.89	0.32
Main	4682	2009 Storm	12901.34	810.53	830.00	821.86	830.88	0.000852	7.89	1825.22	150.93	0.33
Main	4682	FU100yr	18808.59	810.53	833.81	824.99	834.86	0.000809	8.78	2424.92	165.52	0.34
Main	4516	002yr	6784.82	809.83	823.96		825.17	0.002336	8.82	770.85	79.04	0.49
Main	4516	005yr	9778.37	809.83	826.42		827.94	0.002591	9.90	999.60	98.66	0.53
Main	4516	010yr	11700.76	809.83	827.80		829.51	0.002488	10.50	1138.42	103.30	0.53
Main	4516	025yr	14130.90	809.83	829.34		831.29	0.002434	11.24	1300.83	107.98	0.53
Main	4516	050yr	16152.80	809.83	830.46		832.62	0.002439	11.85	1423.75	110.89	0.54
Main	4516	100yr	18555.97	809.83	831.72		834.13	0.002442	12.52	1565.64	114.13	0.55
Main	4516	200yr	21561.65	809.83	834.71		836.98	0.001845	12.18	1918.84	121.88	0.49
Main	4516	500yr	25365.26	809.83	835.96		838.70	0.002061	13.43	2074.17	129.10	0.52
Main	4516	2009 Storm	12901.34	809.83	828.52		830.36	0.002496	10.93	1213.42	105.51	0.53
Main	4516	FU100yr	18808.59	809.83	831.77		834.23	0.002483	12.65	1571.17	114.25	0.55
Main	4299	002yr	6784.82	809.56	823.40		824.60	0.003037	8.76	774.40	97.64	0.55
Main	4299	005yr	9778.37	809.56	825.96		827.35	0.002542	9.48	1037.67	108.08	0.52
Main	4299	010yr	11700.76	809.56	827.41		828.93	0.002328	9.91	1197.91	112.72	0.51
Main	4299	025yr	14130.90	809.56	829.01		830.71	0.002197	10.49	1382.87	118.26	0.51
Main	4299	050yr	16152.80	809.56	830.17		832.04	0.002158	11.00	1522.63	122.35	0.51
Main	4299	100yr	18555.97	809.56	831.48		833.53	0.002119	11.55	1686.23	128.22	0.51
Main	4299	200yr	21561.65	809.56	834.64		836.49	0.001516	11.04	2120.68	148.24	0.45
Main	4299	500yr	25365.26	809.56	835.93		838.14	0.001662	12.08	2318.86	159.13	0.47
Main	4299	2009 Storm	12901.34	809.56	828.15		829.78	0.002297	10.26	1282.51	115.23	0.51
Main	4299	FU100yr	18808.59	809.56	831.52		833.62	0.002156	11.67	1691.97	128.40	0.52
Main	4159	002yr	6784.82	809.39	822.90		824.14	0.003509	8.93	759.79	102.81	0.58
Main	4159	005yr	9778.37	809.39	825.63		826.97	0.002633	9.29	1057.19	114.05	0.52
Main	4159	010yr	11700.76	809.39	827.15		828.58	0.002323	9.61	1233.58	118.94	0.51
Main	4159	025yr	14130.90	809.39	828.79		830.37	0.002140	10.10	1434.61	125.50	0.50
Main	4159	050yr	16152.80	809.39	829.98		831.70	0.002075	10.55	1586.17	129.57	0.50
Main	4159	100yr	18555.97	809.39	831.31		833.19	0.002013	11.04	1761.23	133.25	0.50
Main	4159	200yr	21561.65	809.39	834.55		836.24	0.001417	10.51	2209.19	143.62	0.43
Main	4159	500yr	25365.26	809.39	835.84		837.86	0.001559	11.53	2397.12	148.36	0.46
Main	4159	2009 Storm	12901.34	809.39	827.91		829.43	0.002267	9.92	1325.01	121.94	0.50
Main	4159	FU100yr	18808.59	809.39	831.35		833.27	0.002050	11.16	1766.80	133.38	0.50
Main	3985	002yr	6784.82	808.98	822.78		823.65	0.001448	7.65	969.67	110.69	0.40
Main	3985	005yr	9778.37	808.98	825.52		826.56	0.001362	8.54	1293.18	126.67	0.40
Main	3985	010yr	11700.76	808.98	827.06		828.19	0.001309	8.97	1493.38	132.96	0.40
Main	3985	025yr	14130.90	808.98	828.73		829.99	0.001288	9.52	1721.02	138.91	0.40
Main	3985	050yr	16152.80	808.98	829.94		831.31	0.001296	9.99	1891.32	143.13	0.41
Main	3985	100yr	18555.97	808.98	831.30		832.79	0.001301	10.49	2091.31	162.49	0.42
Main	3985	200yr	21561.65	808.98	834.62		835.92	0.000945	9.91	2719.30	196.15	0.36
Main	3985	500yr	25365.26	808.98	835.97		837.49	0.001039	10.79	2985.94	199.56	0.38
Main	3985	2009 Storm	12901.34	808.98	827.83		829.04	0.001321	9.30	1597.01	135.76	0.41
Main	3985	FU100yr	18808.59	808.98	831.34		832.87	0.001326	10.60	2098.19	163.18	0.42
Main	3614	002yr	6784.82	808.47	821.63		822.94	0.002303	9.18	748.69	80.59	0.50
Main	3614	005yr	9778.37	808.47	824.39		825.91	0.002033	10.07	1073.03	148.57	0.49
Main	3614	010yr	11700.76	808.47	826.15		827.60	0.001729	10.09	1362.89	192.17	0.46
Main	3614	025yr	14130.90	808.47	828.13		829.48	0.001439	9.99	1746.00	195.51	0.43
Main	3614	050yr	16152.80	808.47	829.49		830.81	0.001314	10.05	2014.06	197.77	0.41
Main	3614	100yr	18555.97	808.47	830.96		832.27	0.001214	10.17	2306.45	200.20	0.40
Main	3614	200yr	21561.65	808.47	834.52		835.51	0.000773	9.06	3037.81	218.29	0.33
Main	3614	500yr	25365.26	808.47	835.90		837.03	0.000828	9.73	3351.06	235.06	0.34
Main	3614	2009 Storm	12901.34	808.47	827.04		828.48	0.001624	10.16	1534.18	193.74	0.45
Main	3614	FU100yr	18808.59	808.47	831.00		832.34	0.001237	10.27	2313.91	200.26	0.41
Main	3334	002yr	6784.82	807.31	821.55		822.32	0.001200	7.06	980.94	101.33	0.37
Main	3334	005yr	9778.37	807.31	824.34		825.33	0.001161	8.05	1343.57	162.80	0.38
Main	3334	010yr	11700.76	807.31	826.04		827.11	0.001094	8.44	1649.45	195.22	0.38
Main	3334	025yr	14130.90	807.31	827.93		829.09	0.001039	8.87	2052.03	230.23	0.37
Main	3334	050yr	16152.80	807.31	829.24		830.47	0.001025	9.24	2365.72	248.27	0.37
Main	3334	100yr	18555.97	807.31	830.66		831.97	0.001012	9.63	2730.92	265.44	0.38
Main	3334	200yr	21561.65	807.31	834.22		835.30	0.000712	9.00	3766.69	321.20	0.32
Main	3334	500yr	25365.26	807.31	835.42		836.78	0.000839	10.09	4196.24	418.66	0.36
Main	3334	2009 Storm	12901.34	807.31	826.88		828.02	0.001094	8.74	1820.80	211.08	0.38
Main	3334	FU100yr	18808.59	807.31	830.69		832.03	0.001034	9.75	2738.54	265.83	0.38
Main	3184	002yr	6784.82	806.68	821.52	814.74	822.12	0.000886	6.20	1111.39	113.53	0.32
Main	3184	005yr	9778.37	806.68	824.36	816.64	825.11	0.000845	7.02	1503.53	164.43	0.33
Main	3184	010yr	11700.76	806.68	826.11	817.65	826.89	0.000783	7.29	1814.28	192.20	0.32
Main	3184	025yr	14130.90	806.68	828.04	818.84	828.86	0.000724	7.56	2211.81	218.38	0.31
Main	3184	050yr	16152.80	806.68	829.38	819.72	830.23	0.000700	7.79	2519.91	240.56	0.31
Main	3184	100yr	18555.97	806.68	830.85	820.74	831.71	0.000666	7.98	2880.13	263.31	0.31
Main	3184	200yr	21561.65	806.68	834.43	822.05	835.10	0.000439	7.21	3778.14	379.37	0.26
Main	3184	500yr	25365.26	806.68	835.75	823.62	836.51	0.000478	7.78	4151.32	400.43	0.27
Main	3184	2009 Storm	12901.34	806.68	826.97	818.23	827.79	0.000774	7.50	1986.01	204.17	0.32

HEC-RAS Plan: Prop MP River: NFPC Reach: Main (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Main	3184	FU100yr	18808.59	806.68	830.89	820.84	831.77	0.000679	8.07	2888.63	264.16	0.31
Main	3021	002yr	6931.43	805.61	821.18	816.03	821.91	0.001223	6.91	1032.32	112.27	0.38
Main	3021	005yr	10019.16	805.61	824.04	817.76	824.91	0.001085	7.65	1393.80	137.05	0.37
Main	3021	010yr	12185.66	805.61	825.74	818.79	826.69	0.001029	8.06	1634.97	146.78	0.37
Main	3021	025yr	14877.92	805.61	827.59	819.98	828.65	0.000993	8.56	1916.25	157.37	0.37
Main	3021	050yr	16947.01	805.61	828.87	820.84	830.01	0.000976	8.91	2123.47	164.74	0.37
Main	3021	100yr	19361.12	805.61	830.26	821.70	831.48	0.000965	9.31	2356.90	172.66	0.37
Main	3021	200yr	21185.36	805.61	834.03	822.80	834.94	0.000586	8.16	3033.35	213.70	0.30
Main	3021	500yr	26002.23	805.61	835.07	824.43	836.28	0.000748	9.49	3323.78	259.49	0.34
Main	3021	2009 Storm	13381.20	805.61	826.59	819.34	827.59	0.001009	8.29	1762.25	151.66	0.37
Main	3021	FU100yr	19455.54	805.61	830.31	821.83	831.54	0.000964	9.32	2366.05	172.96	0.37
Main	2966 Buford Hwy		Bridge									
Main	2863	002yr	6931.43	805.48	820.34	815.71	821.28	0.001539	7.86	917.41	99.81	0.42
Main	2863	005yr	10019.16	805.48	823.08	817.48	824.25	0.001443	8.84	1206.38	110.86	0.42
Main	2863	010yr	12185.66	805.48	824.72	818.63	825.98	0.001375	9.31	1447.18	176.00	0.42
Main	2863	025yr	14877.92	805.48	826.54	819.94	827.85	0.001274	9.66	1749.82	195.26	0.41
Main	2863	050yr	16947.01	805.48	827.81	820.90	829.16	0.001210	9.89	1964.90	208.44	0.41
Main	2863	100yr	19361.12	805.48	829.19	821.95	830.58	0.001153	10.13	2200.38	226.19	0.40
Main	2863	200yr	21185.36	805.48	830.17	822.81	831.59	0.001119	10.30	2370.09	233.65	0.40
Main	2863	500yr	26002.23	805.48	832.68	825.42	834.17	0.001026	10.65	2816.86	254.22	0.39
Main	2863	2009 Storm	13381.20	805.48	825.56	819.22	826.84	0.001326	9.48	1586.00	184.82	0.42
Main	2863	FU100yr	19455.54	805.48	829.24	821.99	830.63	0.001151	10.13	2209.63	226.71	0.40
Main	2704	002yr	6931.43	805.02	819.76		820.93	0.001994	8.74	824.52	105.14	0.46
Main	2704	005yr	10019.16	805.02	822.63		823.95	0.001727	9.48	1152.90	123.12	0.45
Main	2704	010yr	12185.66	805.02	824.29		825.70	0.001625	9.91	1364.98	132.49	0.44
Main	2704	025yr	14877.92	805.02	826.03		827.56	0.001573	10.46	1621.26	170.06	0.44
Main	2704	050yr	16947.01	805.02	827.28		828.87	0.001524	10.79	1882.32	246.60	0.44
Main	2704	100yr	19361.12	805.02	828.71		830.31	0.001428	10.97	2244.39	259.03	0.43
Main	2704	200yr	21185.36	805.02	829.74		831.34	0.001361	11.07	2514.02	265.62	0.43
Main	2704	500yr	26002.23	805.02	832.44		833.98	0.001178	11.17	3331.76	357.66	0.40
Main	2704	2009 Storm	13381.20	805.02	825.10		826.56	0.001598	10.16	1475.75	142.35	0.44
Main	2704	FU100yr	19455.54	805.02	828.76		830.37	0.001424	10.97	2258.92	259.44	0.43
Main	2322	002yr	6931.43	804.70	818.49		820.05	0.002467	10.10	708.38	73.28	0.53
Main	2322	005yr	10019.16	804.70	821.03		823.09	0.002513	11.68	904.02	80.55	0.55
Main	2322	010yr	12185.66	804.70	822.38		824.82	0.002654	12.77	1015.57	84.51	0.58
Main	2322	025yr	14877.92	804.70	823.60		826.61	0.002988	14.27	1120.44	88.09	0.62
Main	2322	050yr	16947.01	804.70	824.36		827.86	0.003282	15.41	1188.56	90.34	0.66
Main	2322	100yr	19361.12	804.70	825.16		829.25	0.003625	16.70	1261.77	92.70	0.70
Main	2322	200yr	21185.36	804.70	825.63		830.22	0.003947	17.73	1305.68	94.08	0.73
Main	2322	500yr	26002.23	804.70	826.85	825.19	832.75	0.004700	20.19	1422.47	97.67	0.80
Main	2322	2009 Storm	13381.20	804.70	822.97		825.65	0.002787	13.42	1065.74	86.24	0.60
Main	2322	FU100yr	19455.54	804.70	825.19		829.30	0.003637	16.75	1264.70	92.79	0.70
Main	1905	002yr	6931.43	803.10	816.81		818.71	0.004100	11.07	626.02	65.79	0.63
Main	1905	005yr	10019.16	803.10	819.26		821.73	0.004083	12.63	816.38	108.10	0.65
Main	1905	010yr	12185.66	803.10	820.54	817.57	823.41	0.004163	13.67	993.58	166.31	0.67
Main	1905	025yr	14877.92	803.10	821.96	819.02	825.14	0.004142	14.61	1252.95	196.98	0.68
Main	1905	050yr	16947.01	803.10	822.92	821.27	826.29	0.004123	15.22	1458.05	230.46	0.69
Main	1905	100yr	19361.12	803.10	823.96	822.68	827.48	0.004058	15.78	1702.72	240.44	0.69
Main	1905	200yr	21185.36	803.10	824.56	823.48	828.27	0.004152	16.35	1848.19	246.46	0.70
Main	1905	500yr	26002.23	803.10	826.74	825.21	830.34	0.003648	16.61	2409.72	268.08	0.67
Main	1905	2009 Storm	13381.20	803.10	821.16	818.30	824.20	0.004205	14.17	1099.56	180.13	0.68
Main	1905	FU100yr	19455.54	803.10	824.01	822.72	827.52	0.004045	15.78	1714.32	240.93	0.69
Main	1795	002yr	6931.43	802.70	816.53		818.23	0.003570	10.46	662.90	69.71	0.60
Main	1795	005yr	10019.16	802.70	819.07		821.22	0.003499	11.80	878.52	120.16	0.61
Main	1795	010yr	12185.66	802.70	820.39	816.90	822.88	0.003525	12.73	1047.82	138.49	0.62
Main	1795	025yr	14877.92	802.70	821.79	818.43	824.61	0.003565	13.71	1315.85	233.19	0.64
Main	1795	050yr	16947.01	802.70	822.83	819.85	825.75	0.003464	14.16	1566.06	266.02	0.64
Main	1795	100yr	19361.12	802.70	823.96	821.83	826.91	0.003303	14.50	1885.72	289.98	0.63
Main	1795	200yr	21185.36	802.70	824.62	822.91	827.67	0.003301	14.88	2081.43	297.95	0.63
Main	1795	500yr	26002.23	802.70	827.02		829.75	0.002694	14.67	2833.36	329.98	0.58
Main	1795	2009 Storm	13381.20	802.70	820.98	817.59	823.67	0.003626	13.30	1144.31	193.18	0.64
Main	1795	FU100yr	19455.54	802.70	824.01	821.88	826.96	0.003286	14.49	1901.20	290.55	0.63
Main	1537	002yr	6942.37	801.76	816.03		817.34	0.002552	9.15	758.80	76.94	0.51
Main	1537	005yr	10037.87	801.76	818.69		820.29	0.002554	10.19	1055.30	173.00	0.53
Main	1537	010yr	12208.33	801.76	820.16		821.91	0.002426	10.76	1326.01	191.66	0.53
Main	1537	025yr	14905.52	801.76	821.67		823.60	0.002375	11.45	1626.52	205.76	0.53
Main	1537	050yr	16981.52	801.76	822.68	818.35	824.76	0.002377	11.98	1857.06	300.60	0.54
Main	1537	100yr	19401.45	801.76	823.78	819.68	825.97	0.002345	12.46	2259.25	395.40	0.54
Main	1537	200yr	21041.05	801.76	824.56		826.71	0.002221	12.50	2582.64	421.56	0.53
Main	1537	500yr	26044.76	801.76	827.11		828.93	0.001734	12.10	3686.55	461.24	0.48
Main	1537	2009 Storm	13360.89	801.76	820.82		822.66	0.002403	11.07	1455.82	197.92	0.53
Main	1537	FU100yr	19510.08	801.76	823.83	819.73	826.02	0.002337	12.46	2280.35	396.52	0.54
Main	1168	002yr	6942.37	800.92	815.48		816.45	0.001793	7.92	887.28	101.38	0.44
Main	1168	005yr	10037.87	800.92	818.18		819.40	0.001737	8.93	1201.52	137.82	0.45
Main	1168	010yr	12208.33	800.92	819.64		821.05	0.001739	9.62	1411.15	148.65	0.45
Main	1168	025yr	14905.52	800.92	821.09		822.76	0.001819	10.51	1641.79	171.04	0.47
Main	1168	050yr	16981.52	800.92	822.05		823.92	0.001893	11.17	1809.61	178.19	0.49
Main	1168	100yr	19401.45	800.92	823.05		825.15	0.001987	11.90	1991.76	186.34	0.50
Main	1168	200yr	21041.05	800.92	823.62		825.90	0.002076	12.43	2102.98	202.67	0.52
Main	1168	500yr	26044.76	800.92	825.39		828.11	0.002230	13.72	2485.64	228.65	0.55

HEC-RAS Plan: Prop MP River: NFPC Reach: Main (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Main	1168	2009 Storm	13360.89	800.92	820.28		821.81	0.001775	10.02	1507.98	157.85	0.46
Main	1168	FU100yr	19510.08	800.92	823.10		825.20	0.001990	11.93	2000.23	186.72	0.50
Main	824	002yr	6942.37	800.35	814.99		815.82	0.001645	7.32	948.00	98.78	0.42
Main	824	005yr	10037.87	800.35	817.75		818.77	0.001603	8.10	1243.30	113.74	0.42
Main	824	010yr	12208.33	800.35	819.24		820.41	0.001572	8.70	1416.56	119.02	0.43
Main	824	025yr	14905.52	800.35	820.68		822.09	0.001640	9.54	1592.42	125.22	0.44
Main	824	050yr	16981.52	800.35	821.61		823.22	0.001721	10.19	1717.38	139.14	0.46
Main	824	100yr	19401.45	800.35	822.58		824.42	0.001819	10.91	1855.40	145.79	0.48
Main	824	200yr	21041.05	800.35	823.13		825.14	0.001908	11.43	1936.12	149.26	0.49
Main	824	500yr	26044.76	800.35	824.81		827.30	0.002097	12.77	2196.41	160.52	0.52
Main	824	2009 Storm	13360.89	800.35	819.88		821.15	0.001601	9.07	1493.33	121.81	0.43
Main	824	FU100yr	19510.08	800.35	822.62		824.47	0.001822	10.94	1861.97	146.07	0.48
Main	429	002yr	6943.65	800.14	812.60		814.69	0.004477	11.59	599.74	66.16	0.67
Main	429	005yr	10040.77	800.14	814.61	812.38	817.55	0.004880	13.78	755.38	172.63	0.72
Main	429	010yr	12210.21	800.14	815.97	813.67	819.21	0.004714	14.61	1029.02	215.54	0.72
Main	429	025yr	14904.95	800.14	817.53	816.46	820.89	0.004390	15.22	1376.77	233.67	0.71
Main	429	050yr	16980.45	800.14	818.61	817.51	822.03	0.004175	15.58	1634.51	242.61	0.70
Main	429	100yr	19398.05	800.14	819.67	818.51	823.21	0.004086	16.12	1895.61	250.46	0.70
Main	429	200yr	20940.12	800.14	820.30	819.16	823.92	0.004044	16.44	2054.15	254.56	0.70
Main	429	500yr	26024.15	800.14	822.21	820.76	826.06	0.003922	17.38	2556.62	268.82	0.70
Main	429	2009 Storm	13344.32	800.14	816.65	814.28	819.95	0.004570	14.89	1176.73	221.88	0.72
Main	429	FU100yr	19514.03	800.14	819.72	818.55	823.27	0.004083	16.14	1907.67	250.78	0.70

Standard Table 2

HEC-RAS Plan: Prop MP River: NFPC Reach: Main

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Main	6189	002yr	830.85	830.26	0.60			226.91	6509.15	48.76	114.60
Main	6189	005yr	832.56	831.55	1.01			400.17	9269.80	108.40	119.64
Main	6189	010yr	834.29	833.16	1.13			582.00	10881.74	237.02	203.08
Main	6189	025yr	836.21	835.08	1.12			813.34	12401.23	916.33	454.83
Main	6189	050yr	837.50	836.55	0.95	0.04	0.01	959.59	12848.43	2344.78	692.09
Main	6189	100yr	839.40	838.90	0.50			1014.41	11475.01	6066.55	729.26
Main	6189	200yr	841.27	840.93	0.35			1017.31	11054.09	9490.25	780.42
Main	6189	500yr	843.12	842.85	0.27			1439.79	10983.32	12942.14	1095.17
Main	6189	2009 Storm	835.27	834.12	1.15			697.45	11715.43	488.46	275.67
Main	6189	FU100yr	839.40	838.88	0.52			1030.79	11650.85	6126.95	728.97
Main	6118 Corporate Blvd		Bridge								
Main	6074	002yr	829.09	828.60	0.49	0.24	0.11	10.27	6769.26	5.28	113.66
Main	6074	005yr	832.09	831.44	0.64	0.24	0.14	47.72	9698.38	32.27	122.46
Main	6074	010yr	833.78	833.05	0.74	0.23	0.15	86.04	11552.61	62.11	127.41
Main	6074	025yr	835.80	834.96	0.84	0.23	0.17	150.80	13865.74	114.36	207.38
Main	6074	050yr	837.31	836.38	0.93	0.23	0.16	215.61	15769.42	167.77	255.63
Main	6074	100yr	838.98	837.94	1.04	0.22	0.14	305.39	18060.78	189.80	578.59
Main	6074	200yr	841.17	840.47	0.70	0.16	0.15	402.33	17880.21	3279.11	751.08
Main	6074	500yr	843.03	842.45	0.57	0.12	0.09	458.37	18549.88	6357.02	850.80
Main	6074	2009 Storm	834.79	834.00	0.79	0.23	0.16	115.61	12699.96	85.77	147.53
Main	6074	FU100yr	839.13	838.08	1.06	0.22	0.14	314.62	18287.10	206.88	594.97
Main	5891	002yr	828.74	827.89	0.85	0.46	0.01	2.43	6771.74	10.65	97.40
Main	5891	005yr	831.71	830.62	1.09	0.45	0.01	34.64	9697.17	46.56	108.01
Main	5891	010yr	833.40	832.15	1.24	0.46	0.02	73.83	11546.71	80.22	114.71
Main	5891	025yr	835.40	834.01	1.39	0.45	0.02	143.00	13821.18	166.72	188.11
Main	5891	050yr	836.93	835.46	1.47	0.43	0.02	216.20	15538.74	397.86	245.19
Main	5891	100yr	838.62	837.12	1.50	0.40	0.02	317.00	17381.24	857.73	368.95
Main	5891	200yr	840.87	839.67	1.19	0.31	0.04	457.44	18325.86	2778.35	791.91
Main	5891	500yr	842.82	841.95	0.87	0.26	0.06	577.17	18487.20	6300.89	801.39
Main	5891	2009 Storm	834.39	833.07	1.33	0.45	0.02	104.76	12690.58	106.00	151.59
Main	5891	FU100yr	838.77	837.26	1.51	0.40	0.02	326.92	17571.38	910.29	387.61
Main	5577	002yr	828.27	827.35	0.92	0.64	0.06	73.00	6711.06	0.76	94.12
Main	5577	005yr	831.25	830.02	1.22	0.66	0.07	217.27	9544.29	16.81	104.77
Main	5577	010yr	832.92	831.52	1.41	0.66	0.08	337.13	11323.36	40.27	109.87
Main	5577	025yr	834.94	833.35	1.59	0.65	0.09	512.46	13499.02	119.42	176.53
Main	5577	050yr	836.48	834.80	1.67	0.63	0.11	668.61	15121.73	362.46	197.71
Main	5577	100yr	838.20	836.47	1.72	0.61	0.13	863.55	16893.52	798.90	220.03
Main	5577	200yr	840.52	838.97	1.55	0.49	0.12	1128.76	18452.45	1980.45	468.93
Main	5577	500yr	842.50	841.01	1.49	0.44	0.11	1399.77	20330.27	3635.22	716.48
Main	5577	2009 Storm	833.92	832.41	1.51	0.66	0.09	420.06	12415.59	65.69	142.02
Main	5577	FU100yr	838.35	836.61	1.73	0.61	0.14	882.71	17079.46	846.42	263.94
Main	5259	002yr	827.57	826.06	1.51	0.63	0.03		6784.82		68.85
Main	5259	005yr	830.51	828.55	1.96	0.62	0.07	15.02	9763.03	0.32	82.37
Main	5259	010yr	832.18	829.95	2.23	0.59	0.13	47.96	11648.54	4.25	84.31
Main	5259	025yr	834.19	831.68	2.52	0.54	0.20	98.21	14013.75	18.94	86.69
Main	5259	050yr	835.73	832.97	2.76	0.52	0.26	140.34	15972.69	39.77	88.47
Main	5259	100yr	837.46	834.40	3.05	0.50	0.33	190.63	18293.16	72.18	150.02
Main	5259	200yr	839.91	837.20	2.72	0.39	0.26	271.34	20385.90	904.41	281.69
Main	5259	500yr	841.95	839.37	2.58	0.37	0.17	353.51	22609.93	2401.82	346.81
Main	5259	2009 Storm	833.17	830.79	2.38	0.57	0.16	71.65	12819.89	9.79	85.46
Main	5259	FU100yr	837.60	834.51	3.09	0.50	0.33	195.21	18529.28	84.11	161.27
Main	5042	002yr	826.91	825.49	1.42	0.24	0.07	33.34	6751.47	0.01	111.17
Main	5042	005yr	829.82	828.10	1.71	0.24	0.02	319.18	9453.60	5.59	156.00
Main	5042	010yr	831.46	829.66	1.81	0.24	0.01	659.39	11024.17	17.20	161.25
Main	5042	025yr	833.45	831.61	1.84	0.23	0.04	1229.86	12857.91	43.13	165.84
Main	5042	050yr	834.95	833.06	1.89	0.22	0.05	1722.46	14357.76	72.58	169.40
Main	5042	100yr	836.63	834.66	1.96	0.21	0.07	2324.50	16114.60	116.88	173.50
Main	5042	200yr	839.26	837.42	1.84	0.17	0.07	3253.08	18095.26	213.32	181.59
Main	5042	500yr	841.41	839.40	2.01	0.18	0.08	4197.33	20841.06	326.87	187.60
Main	5042	2009 Storm	832.44	830.60	1.84	0.23	0.03	926.81	11946.35	28.18	163.46
Main	5042	FU100yr	836.77	834.78	1.98	0.21	0.07	2379.88	16307.62	121.09	173.82
Main	4938	002yr	826.60	825.43	1.18	0.14	0.28	9.02	6775.47	0.34	79.63
Main	4938	005yr	829.55	827.92	1.63	0.14	0.47	81.42	9689.10	7.85	87.96
Main	4938	010yr	831.21	829.29	1.93	0.13	0.60	132.75	11548.95	19.06	110.91
Main	4938	025yr	833.19	830.98	2.21	0.12	0.71	322.42	13766.26	42.22	125.54
Main	4938	050yr	834.68	832.27	2.41	0.12	0.80	537.93	15546.92	67.96	134.36
Main	4938	100yr	836.35	833.72	2.63	0.12	0.89	838.17	17611.22	106.59	146.72
Main	4938	200yr	839.01	836.49	2.52	0.09	0.86	1477.82	19883.04	200.79	176.29
Main	4938	500yr	841.16	838.32	2.83	0.09	0.97	2105.41	22951.38	308.47	205.19
Main	4938	2009 Storm	832.18	830.09	2.09	0.13	0.66	209.08	12663.42	28.84	119.11
Main	4938	FU100yr	836.48	833.81	2.67	0.12	0.90	864.09	17834.36	110.14	147.68
Main	4838	002yr	826.18	825.56	0.62			146.03	6638.80		147.87
Main	4838	005yr	828.95	828.25	0.70			677.06	9101.19	0.12	161.95
Main	4838	010yr	830.49	829.75	0.74			1119.43	10579.30	2.02	167.70
Main	4838	025yr	832.35	831.57	0.78	0.02	0.10	1738.70	12382.99	9.22	173.97

HEC-RAS Plan: Prop MP River: NFPC Reach: Main (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Main	4838	050yr	833.76	832.95	0.81	0.02	0.10	2272.39	13861.03	19.38	180.07
Main	4838	100yr	835.34	834.49	0.86	0.02	0.11	2930.78	15588.68	36.51	186.89
Main	4838	200yr	838.06	837.25	0.81	0.02	0.13	3965.51	17517.22	78.92	196.91
Main	4838	500yr	840.09	839.20	0.89	0.02	0.17	5036.57	20201.07	127.62	220.71
Main	4838	2009 Storm	831.39	830.63	0.76	0.03	0.10	1412.49	11484.13	4.72	170.54
Main	4838	FU100yr	835.46	834.60	0.87	0.02	0.11	2992.39	15778.06	38.14	187.31
Main	4771 Druid Hills Rd		Bridge								
Main	4682	002yr	825.57	824.92	0.65	0.23	0.17	55.06	6631.97	97.79	130.19
Main	4682	005yr	828.40	827.63	0.78	0.23	0.22	251.60	9036.23	490.54	145.02
Main	4682	010yr	829.99	829.16	0.84	0.23	0.26	432.49	10449.29	818.99	148.84
Main	4682	025yr	831.82	830.91	0.91	0.22	0.31	686.11	12175.07	1269.72	153.78
Main	4682	050yr	833.20	832.23	0.97	0.22	0.36	910.65	13578.94	1663.21	158.30
Main	4682	100yr	834.75	833.71	1.04	0.22	0.41	1194.14	15208.06	2153.78	164.94
Main	4682	200yr	837.53	836.56	0.97	0.17	0.39	1670.22	16912.97	2978.46	176.69
Main	4682	500yr	839.37	838.26	1.11	0.18	0.49	2130.80	19439.64	3794.81	187.89
Main	4682	2009 Storm	830.88	830.00	0.88	0.23	0.29	550.95	11319.33	1031.06	150.93
Main	4682	FU100yr	834.86	833.81	1.05	0.22	0.42	1219.72	15390.61	2198.26	165.52
Main	4516	002yr	825.17	823.96	1.21	0.57	0.00	1.40	6783.42		79.04
Main	4516	005yr	827.94	826.42	1.52	0.56	0.04	17.44	9760.40	0.53	98.66
Main	4516	010yr	829.51	827.80	1.71	0.52	0.06	37.11	11658.66	4.99	103.30
Main	4516	025yr	831.29	829.34	1.95	0.50	0.07	71.52	14040.79	18.59	107.98
Main	4516	050yr	832.62	830.46	2.16	0.50	0.09	105.44	16010.75	36.60	110.89
Main	4516	100yr	834.13	831.72	2.41	0.49	0.11	152.81	18338.18	64.98	114.13
Main	4516	200yr	836.98	834.71	2.26	0.36	0.12	267.31	21144.60	149.74	121.88
Main	4516	500yr	838.70	835.96	2.74	0.40	0.16	334.64	24815.77	214.86	129.10
Main	4516	2009 Storm	830.36	828.52	1.85	0.52	0.06	52.05	12839.24	10.05	105.51
Main	4516	FU100yr	834.23	831.77	2.46	0.50	0.11	156.13	18585.65	66.82	114.25
Main	4299	002yr	824.60	823.40	1.19	0.46	0.00		6784.82		97.64
Main	4299	005yr	827.35	825.96	1.40	0.36	0.02	5.40	9771.09	1.87	108.08
Main	4299	010yr	828.93	827.41	1.52	0.32	0.03	18.03	11672.39	10.34	112.72
Main	4299	025yr	830.71	829.01	1.70	0.30	0.04	42.79	14057.71	30.41	118.26
Main	4299	050yr	832.04	830.17	1.87	0.30	0.04	69.36	16028.36	55.08	122.35
Main	4299	100yr	833.53	831.48	2.05	0.29	0.05	105.85	18354.70	95.43	128.22
Main	4299	200yr	836.49	834.64	1.85	0.20	0.05	276.63	21075.59	209.44	148.24
Main	4299	500yr	838.14	835.93	2.21	0.22	0.06	427.73	24642.01	295.52	159.13
Main	4299	2009 Storm	829.78	828.15	1.63	0.32	0.03	28.26	12855.04	18.04	115.23
Main	4299	FU100yr	833.62	831.52	2.09	0.29	0.05	108.46	18602.21	97.92	128.40
Main	4159	002yr	824.14	822.90	1.24	0.38	0.11		6784.82		102.81
Main	4159	005yr	826.97	825.63	1.34	0.32	0.09	0.80	9774.07	3.51	114.05
Main	4159	010yr	828.58	827.15	1.43	0.30	0.09	5.54	11679.83	15.39	118.94
Main	4159	025yr	830.37	828.79	1.58	0.29	0.10	17.93	14072.85	40.13	125.50
Main	4159	050yr	831.70	829.98	1.72	0.28	0.10	32.63	16048.54	71.63	129.57
Main	4159	100yr	833.19	831.31	1.88	0.28	0.11	54.89	18379.17	121.91	133.25
Main	4159	200yr	836.24	834.55	1.69	0.20	0.12	122.84	21180.07	258.75	143.62
Main	4159	500yr	837.86	835.84	2.02	0.22	0.15	174.15	24827.53	363.58	148.36
Main	4159	2009 Storm	829.43	827.91	1.52	0.30	0.09	10.24	12866.16	24.93	121.94
Main	4159	FU100yr	833.27	831.35	1.92	0.28	0.12	56.21	18627.54	124.85	133.38
Main	3985	002yr	823.65	822.78	0.86	0.67	0.04		6398.66	386.16	110.69
Main	3985	005yr	826.56	825.52	1.05	0.61	0.05	7.89	8860.11	910.36	126.67
Main	3985	010yr	828.19	827.06	1.13	0.55	0.03	28.80	10325.28	1346.68	132.96
Main	3985	025yr	829.99	828.73	1.26	0.50	0.01	73.51	12136.12	1921.27	138.91
Main	3985	050yr	831.31	829.94	1.37	0.48	0.02	123.32	13625.63	2403.86	143.13
Main	3985	100yr	832.79	831.30	1.50	0.47	0.06	199.19	15361.25	2995.53	162.49
Main	3985	200yr	835.92	834.62	1.29	0.32	0.09	629.27	16947.01	3985.38	196.15
Main	3985	500yr	837.49	835.97	1.51	0.34	0.12	969.56	19524.52	4871.18	199.56
Main	3985	2009 Storm	829.04	827.83	1.21	0.54	0.02	46.65	11239.65	1615.04	135.76
Main	3985	FU100yr	832.87	831.34	1.53	0.47	0.06	203.99	15561.40	3043.20	163.18
Main	3614	002yr	822.94	821.63	1.31	0.45	0.16	15.46	6757.20	12.16	80.59
Main	3614	005yr	825.91	824.39	1.51	0.42	0.16	140.70	9346.57	291.11	148.57
Main	3614	010yr	827.60	826.15	1.45	0.38	0.11	343.62	10596.46	760.68	192.17
Main	3614	025yr	829.48	828.13	1.35	0.33	0.06	880.56	11867.99	1382.34	195.51
Main	3614	050yr	830.81	829.49	1.32	0.32	0.03	1398.84	12892.17	1861.79	197.77
Main	3614	100yr	832.27	830.96	1.31	0.30	0.00	2061.65	14080.33	2414.00	200.20
Main	3614	200yr	835.51	834.52	0.99	0.20	0.01	3457.37	14784.19	3320.09	218.29
Main	3614	500yr	837.03	835.90	1.13	0.23	0.02	4485.07	16823.95	4056.24	235.06
Main	3614	2009 Storm	828.48	827.04	1.44	0.36	0.09	559.45	11298.42	1043.47	193.74
Main	3614	FU100yr	832.34	831.00	1.34	0.31	0.00	2100.82	14254.68	2453.08	200.26
Main	3334	002yr	822.32	821.55	0.77	0.15	0.05	10.99	6767.83	6.00	101.33
Main	3334	005yr	825.33	824.34	0.99	0.15	0.07	49.61	9637.26	91.50	162.80
Main	3334	010yr	827.11	826.04	1.07	0.14	0.09	98.60	11332.23	269.93	195.22
Main	3334	025yr	829.09	827.93	1.16	0.13	0.10	214.73	13343.18	572.99	230.23
Main	3334	050yr	830.47	829.24	1.23	0.12	0.12	345.14	14933.86	873.80	248.27
Main	3334	100yr	831.97	830.66	1.31	0.12	0.13	515.43	16746.25	1294.29	265.44
Main	3334	200yr	835.30	834.22	1.08	0.08	0.13	857.51	18379.08	2325.06	321.20
Main	3334	500yr	836.78	835.42	1.36	0.09	0.18	850.98	21651.88	2862.40	418.66

HEC-RAS Plan: Prop MP River: NFPC Reach: Main (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Main	3334	2009 Storm	828.02	826.88	1.14	0.14	0.10	142.35	12362.22	396.77	211.08
Main	3334	FU100yr	832.03	830.69	1.34	0.12	0.14	524.82	16966.15	1317.61	265.83
Main	3184	002yr	822.12	821.52	0.60	0.17	0.04	22.01	6745.57	17.25	113.53
Main	3184	005yr	825.11	824.36	0.75	0.16	0.04	82.57	9503.77	192.03	164.43
Main	3184	010yr	826.89	826.11	0.79	0.15	0.05	152.31	11069.63	478.82	192.20
Main	3184	025yr	828.86	828.04	0.82	0.14	0.07	280.05	12849.48	1001.37	218.38
Main	3184	050yr	830.23	829.38	0.85	0.13	0.09	405.97	14236.84	1509.99	240.56
Main	3184	100yr	831.71	830.85	0.86	0.13	0.11	575.13	15687.24	2293.60	263.31
Main	3184	200yr	835.10	834.43	0.66	0.08	0.07	881.89	16588.33	4091.44	379.37
Main	3184	500yr	836.51	835.75	0.76	0.09	0.14	1179.03	18875.21	5311.02	400.43
Main	3184	2009 Storm	827.79	826.97	0.82	0.14	0.05	204.37	12002.88	694.09	204.17
Main	3184	FU100yr	831.77	830.89	0.88	0.13	0.10	585.49	15884.97	2338.13	264.16
Main	3021	002yr	821.91	821.18	0.73	0.01	0.09	130.18	6786.82	14.43	112.27
Main	3021	005yr	824.91	824.04	0.87	0.01	0.12	355.77	9556.13	107.26	137.05
Main	3021	010yr	826.69	825.74	0.96	0.01	0.14	620.50	11360.03	205.13	146.78
Main	3021	025yr	828.65	827.59	1.06	0.01	0.15	988.56	13538.76	350.59	157.37
Main	3021	050yr	830.01	828.87	1.13	0.01	0.16	1295.76	15173.45	477.81	164.74
Main	3021	100yr	831.48	830.26	1.22	0.01	0.16	1675.90	17044.59	640.63	172.66
Main	3021	200yr	834.94	834.03	0.91			2388.02	17826.73	970.61	213.70
Main	3021	500yr	836.28	835.07	1.21			3078.81	21644.21	1279.21	259.49
Main	3021	2009 Storm	827.59	826.59	1.00	0.01	0.15	779.43	12334.91	266.86	151.66
Main	3021	FU100yr	831.54	830.31	1.22	0.01	0.16	1691.33	17116.85	647.36	172.96
Main	2966 Buford Hwy		Bridge								
Main	2863	002yr	821.28	820.34	0.94	0.28	0.07	78.16	6757.43	95.84	99.81
Main	2863	005yr	824.25	823.08	1.17	0.25	0.05	248.28	9522.09	248.79	110.86
Main	2863	010yr	825.98	824.72	1.26	0.24	0.04	431.41	11237.62	516.64	176.00
Main	2863	025yr	827.85	826.54	1.31	0.22	0.06	668.94	13053.08	1155.91	195.26
Main	2863	050yr	829.16	827.81	1.35	0.22	0.07	857.50	14348.65	1740.86	208.44
Main	2863	100yr	830.58	829.19	1.39	0.20	0.06	1083.04	15802.93	2475.16	226.19
Main	2863	200yr	831.59	830.17	1.42	0.20	0.05	1258.28	16873.11	3053.97	233.65
Main	2863	500yr	834.17	832.68	1.50	0.18	0.01	1754.21	19558.99	4689.02	254.22
Main	2863	2009 Storm	826.84	825.56	1.29	0.23	0.05	535.84	12067.62	777.74	184.82
Main	2863	FU100yr	830.63	829.24	1.39	0.20	0.06	1092.12	15858.15	2505.27	226.71
Main	2704	002yr	820.93	819.76	1.17	0.84	0.04	81.77	6844.25	5.41	105.14
Main	2704	005yr	823.95	822.63	1.32	0.79	0.07	602.33	9345.40	71.43	123.12
Main	2704	010yr	825.70	824.29	1.41	0.78	0.10	1089.59	10938.36	157.70	132.49
Main	2704	025yr	827.56	826.03	1.53	0.80	0.15	1737.83	12828.95	311.14	170.06
Main	2704	050yr	828.87	827.28	1.59	0.82	0.19	2270.88	14173.00	503.13	246.60
Main	2704	100yr	830.31	828.71	1.60	0.82	0.25	2932.76	15522.70	905.67	259.03
Main	2704	200yr	831.34	829.74	1.60	0.82	0.30	3435.03	16472.66	1277.67	265.62
Main	2704	500yr	833.98	832.44	1.54	0.79	0.44	4828.28	18743.02	2430.93	357.66
Main	2704	2009 Storm	826.56	825.10	1.46	0.79	0.12	1371.69	11790.29	219.22	142.35
Main	2704	FU100yr	830.37	828.76	1.60	0.82	0.25	2959.11	15572.28	924.15	259.44
Main	2322	002yr	820.05	818.49	1.56	1.31	0.03	58.88	6820.57	51.98	73.28
Main	2322	005yr	823.09	821.03	2.06	1.32	0.04	182.04	9666.88	170.25	80.55
Main	2322	010yr	824.82	822.38	2.44	1.37	0.04	308.73	11607.92	269.01	84.51
Main	2322	025yr	826.61	823.60	3.01	1.46	0.02	479.01	14005.27	393.64	88.09
Main	2322	050yr	827.86	824.36	3.50	1.53	0.04	615.87	15837.57	493.56	90.34
Main	2322	100yr	829.25	825.16	4.08	1.60	0.17	785.00	17959.55	616.57	92.70
Main	2322	200yr	830.22	825.63	4.59	1.69	0.26	909.94	19567.55	707.87	94.08
Main	2322	500yr	832.75	826.85	5.90	1.72	0.69	1273.27	23757.38	971.58	97.67
Main	2322	2009 Storm	825.65	822.97	2.68	1.41	0.04	383.95	12673.21	324.05	86.24
Main	2322	FU100yr	829.30	825.19	4.11	1.60	0.18	792.00	18041.89	621.64	92.79
Main	1905	002yr	818.71	816.81	1.91	0.42	0.06		6931.43		65.79
Main	1905	005yr	821.73	819.26	2.47	0.41	0.09	1.77	9997.11	20.28	108.10
Main	1905	010yr	823.41	820.54	2.86	0.42	0.11	8.82	12017.68	159.16	166.31
Main	1905	025yr	825.14	821.96	3.18	0.42	0.11	25.35	14248.81	603.76	196.98
Main	1905	050yr	826.29	822.92	3.37	0.41	0.13	44.33	15842.39	1060.30	230.46
Main	1905	100yr	827.48	823.96	3.52	0.39	0.17	73.74	17533.91	1753.47	240.44
Main	1905	200yr	828.27	824.56	3.71	0.40	0.20	96.96	18830.45	2257.95	246.46
Main	1905	500yr	830.34	826.74	3.60	0.33	0.26	201.62	21596.19	4204.43	268.08
Main	1905	2009 Storm	824.20	821.16	3.04	0.42	0.10	14.91	13048.84	317.46	180.13
Main	1905	FU100yr	827.52	824.01	3.52	0.39	0.17	75.27	17592.96	1787.31	240.93
Main	1795	002yr	818.23	816.53	1.70	0.78	0.12		6931.43		69.71
Main	1795	005yr	821.22	819.07	2.16	0.77	0.17	2.47	9986.27	30.42	120.16
Main	1795	010yr	822.88	820.39	2.48	0.75	0.22	15.22	12008.13	162.31	138.49
Main	1795	025yr	824.61	821.79	2.82	0.74	0.27	47.34	14334.87	495.71	233.19
Main	1795	050yr	825.75	822.83	2.92	0.73	0.25	88.15	15869.41	989.45	266.02
Main	1795	100yr	826.91	823.96	2.96	0.71	0.23	153.60	17445.01	1762.52	289.98
Main	1795	200yr	827.67	824.62	3.04	0.69	0.27	203.80	18630.33	2351.23	297.95
Main	1795	500yr	829.75	827.02	2.73	0.55	0.27	427.63	20926.11	4648.49	329.98
Main	1795	2009 Storm	823.67	820.98	2.69	0.76	0.26	25.76	13110.51	244.93	193.18
Main	1795	FU100yr	826.96	824.01	2.95	0.71	0.23	156.99	17496.34	1802.21	290.55
Main	1537	002yr	817.34	816.03	1.30	0.78	0.10		6942.37		76.94

HEC-RAS Plan: Prop MP River: NFPC Reach: Main (Continued)

Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
			(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
Main	1537	005yr	820.29	818.69	1.60	0.77	0.11	14.06	9968.41	55.40	173.00
Main	1537	010yr	821.91	820.16	1.75	0.75	0.10	93.76	11869.93	244.65	191.66
Main	1537	025yr	823.60	821.67	1.93	0.76	0.08	243.01	14108.52	553.99	205.76
Main	1537	050yr	824.76	822.68	2.08	0.78	0.07	384.10	15794.29	803.14	300.60
Main	1537	100yr	825.97	823.78	2.19	0.80	0.03	568.07	17579.91	1253.47	395.40
Main	1537	200yr	826.71	824.56	2.14	0.79	0.01	703.94	18473.39	1863.72	421.56
Main	1537	500yr	828.93	827.11	1.82	0.73	0.09	1138.58	20494.39	4411.79	461.24
Main	1537	2009 Storm	822.66	820.82	1.83	0.76	0.09	151.86	12841.59	367.44	197.92
Main	1537	FU100yr	826.02	823.83	2.19	0.80	0.03	576.89	17642.79	1290.40	396.52
Main	1168	002yr	816.45	815.48	0.97	0.59	0.04	6.50	6935.87		101.38
Main	1168	005yr	819.40	818.18	1.23	0.57	0.06	89.41	9948.35	0.11	137.82
Main	1168	010yr	821.05	819.64	1.41	0.57	0.07	227.02	11977.68	3.63	148.65
Main	1168	025yr	822.76	821.09	1.67	0.59	0.08	435.50	14451.28	18.73	171.04
Main	1168	050yr	823.92	822.05	1.86	0.62	0.08	614.85	16310.11	56.56	178.19
Main	1168	100yr	825.15	823.05	2.10	0.65	0.08	840.30	18445.88	115.27	186.34
Main	1168	200yr	825.90	823.62	2.28	0.68	0.08	995.74	19906.29	139.01	202.67
Main	1168	500yr	828.11	825.39	2.72	0.74	0.07	1535.73	24136.85	372.18	228.65
Main	1168	2009 Storm	821.81	820.28	1.52	0.58	0.07	310.31	13045.25	5.33	157.85
Main	1168	FU100yr	825.20	823.10	2.11	0.65	0.08	851.20	18540.47	118.41	186.72
Main	824	002yr	815.82	814.99	0.83	1.01	0.13		6942.37		98.78
Main	824	005yr	818.77	817.75	1.02	1.02	0.19	0.00	10035.20	2.67	113.74
Main	824	010yr	820.41	819.24	1.17	1.00	0.21	0.50	12192.09	15.74	119.02
Main	824	025yr	822.09	820.68	1.41	1.00	0.20	2.78	14858.29	44.45	125.22
Main	824	050yr	823.22	821.61	1.61	1.01	0.18	5.95	16905.11	70.46	139.14
Main	824	100yr	824.42	822.58	1.84	1.03	0.17	11.17	19255.91	134.36	145.79
Main	824	200yr	825.14	823.13	2.01	1.06	0.16	15.29	20841.78	183.98	149.26
Main	824	500yr	827.30	824.81	2.49	1.10	0.14	33.46	25618.63	392.67	160.52
Main	824	2009 Storm	821.15	819.88	1.28	1.00	0.20	1.19	13333.86	25.83	121.81
Main	824	FU100yr	824.47	822.62	1.85	1.03	0.17	11.46	19360.69	137.93	146.07
Main	429	002yr	814.69	812.60	2.09	0.48	0.12	0.09	6943.27	0.29	66.16
Main	429	005yr	817.55	814.61	2.94	0.51	0.20	2.13	10023.51	15.13	172.63
Main	429	010yr	819.21	815.97	3.23	0.50	0.18	7.19	11907.42	295.60	215.54
Main	429	025yr	820.89	817.53	3.37	0.48	0.10	22.64	13920.36	961.95	233.67
Main	429	050yr	822.03	818.61	3.42	0.47	0.04	43.78	15335.04	1601.63	242.61
Main	429	100yr	823.21	819.67	3.54	0.46	0.04	76.45	16951.49	2370.11	250.46
Main	429	200yr	823.92	820.30	3.62	0.45	0.05	102.30	17951.58	2886.23	254.56
Main	429	500yr	826.06	822.21	3.85	0.43	0.09	216.72	21114.04	4693.39	268.82
Main	429	2009 Storm	819.95	816.65	3.30	0.49	0.15	11.97	12779.90	552.45	221.88
Main	429	FU100yr	823.27	819.72	3.55	0.46	0.04	78.26	17027.48	2408.28	250.78

APPENDIX J

HEC-RAS DUPLICATE EFFECTIVE CONDITION FLOODWAY MODEL

Encroachment 1

HEC-RAS Plan: FW Locations: User Defined

River	Reach	River Sta	Profile	W.S. Elev	Prof Delta WS	E.G. Elev	Top Wdth Act	Q Left	Q Channel	Q Right	Enc Sta L	Ch Sta L	Ch Sta R	Enc Sta R
				(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)	(ft)	(ft)	(ft)
NFPC	Main	6189	100yr	838.90		839.40	729.26	1014.41	11475.01	6066.55		696.36	767.36	
NFPC	Main	6189	FW	839.50	0.59	840.25	405.66	1271.46	13494.53	3789.99	649.34	696.36	767.36	1055.00
NFPC	Main	6118 Corporate Blvd BR U	100yr	838.90		839.40	511.01	2038.18	11726.21	985.79		696.36	767.36	
NFPC	Main	6118 Corporate Blvd BR U	FW	839.50	0.59	840.25	227.73	2553.61	14691.61	1310.45	649.34	696.36	767.36	1055.00
NFPC	Main	6118 Corporate Blvd BR D	100yr	838.90		839.37	29.42	533.68	13820.10	396.40		665.25	768.73	
NFPC	Main	6118 Corporate Blvd BR D	FW	839.50	0.59	840.18	45.24	670.79	17312.92	571.96	644.55	665.25	768.73	872.51
NFPC	Main	6074	100yr	837.93		838.98	190.47	305.23	18061.38	189.36		665.25	768.73	
NFPC	Main	6074	FW	837.98	0.05	839.02	192.13	307.48	18053.95	194.54	644.55	665.25	768.73	872.51
NFPC	Main	5891	100yr	837.12		838.62	295.38	316.78	17383.48	855.71		447.06	533.39	
NFPC	Main	5891	FW	837.18	0.07	838.67	295.33	319.93	17354.17	881.87	422.61	447.06	533.39	717.94
NFPC	Main	5577	100yr	836.47		838.19	219.17	863.21	16895.43	797.33		159.00	232.04	
NFPC	Main	5577	FW	836.55	0.08	838.25	216.97	868.13	16869.25	818.59	125.18	159.00	232.04	342.15
NFPC	Main	5259	100yr	834.39		837.45	149.75	190.44	18294.43	71.10		185.03	258.19	
NFPC	Main	5259	FW	834.51	0.12	837.52	129.80	191.75	18284.48	79.74	175.20	185.03	258.19	306.80
NFPC	Main	5042	100yr	834.65		836.62	173.47	2322.45	16116.86	116.65		380.81	450.48	
NFPC	Main	5042	FW	834.65	-0.01	836.73	153.82	1992.32	16444.81	118.85	308.00	380.81	450.48	461.82
NFPC	Main	4938	100yr	833.70		836.34	146.60	836.39	17613.25	106.33		439.90	505.17	
NFPC	Main	4938	FW	833.91	0.21	836.47	146.59	878.48	17566.11	111.38	368.73	439.90	505.17	515.32
NFPC	Main	4838	100yr	834.49		835.31	186.90	51.25	18467.04	37.68		389.95	550.91	
NFPC	Main	4838	FW	834.67	0.18	835.47	186.89	55.30	18460.87	39.80	372.63	389.95	550.91	559.52
NFPC	Main	4771 Druid Hills Rd BR U	100yr	834.05		835.19	156.20		18549.29	6.68		389.95	550.91	
NFPC	Main	4771 Druid Hills Rd BR U	FW	834.25	0.20	835.36	157.04		18547.42	8.55	372.63	389.95	550.91	559.52
NFPC	Main	4771 Druid Hills Rd BR D	100yr	833.67		835.00	138.10	168.91	18387.06			420.89	561.67	
NFPC	Main	4771 Druid Hills Rd BR D	FW	833.88	0.21	835.18	138.74	180.19	18375.78		409.90	420.89	561.67	575.33
NFPC	Main	4682	100yr	833.80		834.76	165.45	55.45	18450.87	49.65		420.89	561.67	
NFPC	Main	4682	FW	834.01	0.21	834.95	165.43	58.80	18443.38	53.79	409.90	420.89	561.67	575.33
NFPC	Main	4516	100yr	831.67		834.09	114.00	151.58	18340.34	64.05		466.06	556.54	
NFPC	Main	4516	FW	831.99	0.31	834.31	114.00	160.57	18324.66	70.74	452.83	466.06	556.54	566.83
NFPC	Main	4159	100yr	831.24		833.14	133.04	53.99	18382.12	119.87		104.44	212.45	
NFPC	Main	4159	FW	831.61	0.37	833.41	133.04	59.64	18364.04	132.29	95.59	104.44	212.45	228.63
NFPC	Main	3985	100yr	831.23		832.74	159.15	195.93	15375.74	2984.30		170.04	243.79	
NFPC	Main	3985	FW	831.60	0.38	833.04	148.30	219.09	15292.81	3044.07	147.00	170.04	243.79	295.30
NFPC	Main	3614	100yr	830.91		832.19	200.14	1519.71	15106.27	1929.99		306.25	392.79	
NFPC	Main	3614	FW	830.93	0.01	832.52	171.64	1664.59	16501.02	390.35	234.86	306.25	392.79	406.50
NFPC	Main	3184	100yr	830.83		831.67	246.33	251.27	16431.60	1873.10		106.28	215.35	
NFPC	Main	3184	FW	830.90	0.07	831.88	170.42	272.07	17429.05	854.86	83.68	106.28	215.35	254.10
NFPC	Main	3021	100yr	830.25		831.43	172.59	211.81	18988.36	160.95		670.69	795.91	
NFPC	Main	3021	FW	830.56	0.32	831.70	172.58	230.73	18956.44	173.95	638.54	670.69	795.91	811.12
NFPC	Main	2966 Buford Hwy BR U	100yr	829.71		831.29	156.82	231.22	18987.90	142.00		670.69	795.91	
NFPC	Main	2966 Buford Hwy BR U	FW	830.08	0.37	831.57	157.03	276.52	18915.74	168.86	638.54	670.69	795.91	811.12
NFPC	Main	2966 Buford Hwy BR D	100yr	828.97		830.95	131.32	129.79	19017.44	213.89		681.52	792.16	
NFPC	Main	2966 Buford Hwy BR D	FW	829.31	0.34	831.23	122.74		19116.00	245.12	681.52	681.52	792.16	809.78
NFPC	Main	2863	100yr	829.22		830.51	172.66	45.00	17721.79	1594.32		681.52	792.16	
NFPC	Main	2863	FW	829.43	0.21	830.91	128.26		18835.04	526.08	681.52	681.52	792.16	809.78
NFPC	Main	2704	100yr	828.70		830.23	258.95	333.77	18505.21	522.15		619.05	731.59	
NFPC	Main	2704	FW	829.10	0.40	830.66	157.68		18935.12	426.00	619.05	619.05	731.59	776.73
NFPC	Main	2322	100yr	825.48		829.17	93.63	20.73	19272.55	67.84		112.71	190.93	
NFPC	Main	2322	FW	826.44	0.96	829.70	93.63	33.26	19238.67	89.19	106.64	112.71	190.93	200.27
NFPC	Main	1905	100yr	823.96		827.48	240.47	73.80	17532.61	1754.71		83.92	151.87	
NFPC	Main	1905	FW	824.65	0.69	828.24	132.82	98.79	18144.75	1117.58	72.18	83.92	151.87	205.00
NFPC	Main	1537	100yr	823.78		825.97	395.46	568.39	17577.89	1255.17		137.37	222.25	
NFPC	Main	1537	FW	824.28	0.50	826.83	113.44	3.90	18847.06	550.48	136.56	137.37	222.25	250.00
NFPC	Main	1168	100yr	823.06		825.15	186.37	840.75	18445.26	115.45		133.89	223.31	
NFPC	Main	1168	FW	823.82	0.77	825.92	110.00	400.99	18989.62	10.84	115.00	133.89	223.31	225.00
NFPC	Main	824	100yr	822.58		824.42	145.81	11.19	19255.67	134.59		94.29	202.96	
NFPC	Main	824	FW	823.58	1.00	825.21	124.20	16.25	19248.31	136.89	90.80	94.29	202.96	215.00
NFPC	Main	429	100yr	819.72		823.22	250.77	77.78	16926.61	2393.67		72.91	136.96	
NFPC	Main	429	FW	819.73	0.01	823.99	139.50	47.09	18088.71	1262.25	68.50	72.91	136.96	208.00

Encroachment 2

HEC-RAS Plan: FW Locations: User Defined

River	Reach	River Sta	Profile	Prof Delta WS	Top Wdth Act	K Perc L	Enc Sta L	Dist Center L	Center Station	Dist Center R	Enc Sta R	K Perc R	Enc WD
				(ft)	(ft)		(ft)	(ft)	(ft)	(ft)	(ft)		(ft)
NFPC	Main	6189	100yr		729.26				731.86				
NFPC	Main	6189	FW	0.59	405.66		649.34	82.52	731.86	323.14	1055.00		405.66
NFPC	Main	6118 Corporate Blvd BR U	100yr		511.01				731.86				
NFPC	Main	6118 Corporate Blvd BR U	FW	0.59	227.73		649.34	82.52	731.86	323.14	1055.00		405.66
NFPC	Main	6118 Corporate Blvd BR D	100yr		29.42				716.99				
NFPC	Main	6118 Corporate Blvd BR D	FW	0.59	45.24		644.55	72.44	716.99	155.52	872.51		227.96
NFPC	Main	6074	100yr		190.47				716.99				
NFPC	Main	6074	FW	0.05	192.13	0.00	644.55	72.44	716.99	155.52	872.51	0.00	227.96
NFPC	Main	5891	100yr		295.38				490.23				
NFPC	Main	5891	FW	0.07	295.33	0.00	422.61	67.62	490.23	227.72	717.94	-0.01	295.33
NFPC	Main	5577	100yr		219.17				195.52				
NFPC	Main	5577	FW	0.08	216.97	-0.01	125.18	70.34	195.52	146.63	342.15	-0.01	216.97
NFPC	Main	5259	100yr		149.75				221.61				
NFPC	Main	5259	FW	0.12	129.80	0.00	175.20	46.41	221.61	85.19	306.80	0.02	131.60
NFPC	Main	5042	100yr		173.47				415.65				
NFPC	Main	5042	FW	-0.01	153.82	1.98	308.00	107.65	415.65	46.17	461.82	0.00	153.82
NFPC	Main	4938	100yr		146.60				472.54				
NFPC	Main	4938	FW	0.21	146.59	-0.06	368.73	103.81	472.54	42.79	515.32	0.00	146.59
NFPC	Main	4838	100yr		186.90				470.43				
NFPC	Main	4838	FW	0.18	186.89		372.63	97.80	470.43	89.09	559.52		186.89
NFPC	Main	4771 Druid Hills Rd BR U	100yr		156.20				470.43				
NFPC	Main	4771 Druid Hills Rd BR U	FW	0.20	157.04		372.63	97.80	470.43	89.09	559.52		186.89
NFPC	Main	4771 Druid Hills Rd BR D	100yr		138.10				491.28				
NFPC	Main	4771 Druid Hills Rd BR D	FW	0.21	138.74		409.90	81.38	491.28	84.05	575.33		165.43
NFPC	Main	4682	100yr		165.45				491.28				
NFPC	Main	4682	FW	0.21	165.43	0.00	409.90	81.38	491.28	84.05	575.33	-0.01	165.43
NFPC	Main	4516	100yr		114.00				511.30				
NFPC	Main	4516	FW	0.31	114.00	-0.01	452.83	58.47	511.30	55.53	566.83	0.00	114.00
NFPC	Main	4159	100yr		133.04				158.45				
NFPC	Main	4159	FW	0.37	133.04	0.00	95.59	62.86	158.45	70.19	228.63	-0.01	133.04
NFPC	Main	3985	100yr		159.15				206.92				
NFPC	Main	3985	FW	0.38	148.30	-0.02	147.00	59.91	206.92	88.38	295.30	0.00	148.30
NFPC	Main	3614	100yr		200.14				349.52				
NFPC	Main	3614	FW	0.01	171.64	0.00	234.86	114.66	349.52	56.98	406.50	8.49	171.64
NFPC	Main	3184	100yr		246.33				160.82				
NFPC	Main	3184	FW	0.07	170.42	0.00	83.68	77.14	160.82	93.29	254.10	5.90	170.42
NFPC	Main	3021	100yr		172.59				733.30				
NFPC	Main	3021	FW	0.32	172.58		638.54	94.76	733.30	77.82	811.12		172.58
NFPC	Main	2966 Buford Hwy BR U	100yr		156.82				733.30				
NFPC	Main	2966 Buford Hwy BR U	FW	0.37	157.03		638.54	94.76	733.30	77.82	811.12		172.58
NFPC	Main	2966 Buford Hwy BR D	100yr		131.32				736.84				
NFPC	Main	2966 Buford Hwy BR D	FW	0.34	122.74		681.52	55.32	736.84	72.94	809.78		128.26
NFPC	Main	2863	100yr		172.66				736.84				
NFPC	Main	2863	FW	0.21	128.26	0.25	681.52	55.32	736.84	72.94	809.78	6.10	128.26
NFPC	Main	2704	100yr		258.95				675.32				
NFPC	Main	2704	FW	0.40	157.68	1.87	619.05	56.27	675.32	101.41	776.73	1.08	157.68
NFPC	Main	2322	100yr		93.63				151.82				
NFPC	Main	2322	FW	0.96	93.63	0.00	106.64	45.18	151.82	48.45	200.27	0.00	93.63
NFPC	Main	1905	100yr		240.47				117.90				
NFPC	Main	1905	FW	0.69	132.82	-0.01	72.18	45.72	117.90	87.11	205.00	5.46	132.82
NFPC	Main	1537	100yr		395.46				179.81				
NFPC	Main	1537	FW	0.50	113.44	3.18	136.56	43.25	179.81	70.19	250.00	5.37	113.44
NFPC	Main	1168	100yr		186.37				178.60				
NFPC	Main	1168	FW	0.77	110.00	2.87	115.00	63.60	178.60	46.40	225.00	0.66	110.00
NFPC	Main	824	100yr		145.81				148.63				
NFPC	Main	824	FW	1.00	124.20	0.00	90.80	57.83	148.63	66.38	215.00	0.33	124.20
NFPC	Main	429	100yr		250.77				104.94				
NFPC	Main	429	FW	0.01	139.50	0.18	68.50	36.44	104.94	103.07	208.00	6.28	139.50

Encroachment 3

HEC-RAS Plan: FW Locations: User Defined

River	Reach	River Sta	Profile	Top Wdth Act	Area	Vel Total	W.S. Elev	Base WS	Prof Delta WS
				(ft)	(sq ft)	(ft/s)	(ft)	(ft)	(ft)
NFPC	Main	6189	100yr	729.26	4754.87	3.90	838.90	838.90	
NFPC	Main	6189	FW	405.66	3628.65	5.11	839.50	838.90	0.59
NFPC	Main	6118 Corporate Blvd BR U	100yr	511.01	3529.49	5.26	838.90	838.90	
NFPC	Main	6118 Corporate Blvd BR U	FW	227.73	2357.51	7.87	839.50	838.90	0.59
NFPC	Main	6118 Corporate Blvd BR D	100yr	29.42	3120.57	8.46	838.90	838.90	
NFPC	Main	6118 Corporate Blvd BR D	FW	45.24	2203.68	8.42	839.50	838.90	0.59
NFPC	Main	6074	100yr	190.47	2986.35	7.58	837.93	837.93	
NFPC	Main	6074	FW	192.13	2456.24	7.55	837.98	837.93	0.05
NFPC	Main	5891	100yr	295.38	2468.19	7.86	837.12	837.12	
NFPC	Main	5891	FW	295.33	2379.72	7.80	837.18	837.12	0.07
NFPC	Main	5577	100yr	219.17	2228.58	8.33	836.47	836.47	
NFPC	Main	5577	FW	216.97	2245.50	8.26	836.55	836.47	0.08
NFPC	Main	5259	100yr	149.75	1409.53	13.16	834.39	834.39	
NFPC	Main	5259	FW	129.80	1418.60	13.08	834.51	834.39	0.12
NFPC	Main	5042	100yr	173.47	2157.50	8.60	834.65	834.65	
NFPC	Main	5042	FW	153.82	2024.11	9.17	834.65	834.65	-0.01
NFPC	Main	4938	100yr	146.60	1704.14	10.89	833.70	833.70	
NFPC	Main	4938	FW	146.59	1734.47	10.70	833.91	833.70	0.21
NFPC	Main	4838	100yr	186.90	2613.95	7.10	834.49	834.49	
NFPC	Main	4838	FW	186.89	2648.43	7.01	834.67	834.49	0.18
NFPC	Main	4771 Druid Hills Rd BR U	100yr	156.20	2169.28	8.55	834.05	834.05	
NFPC	Main	4771 Druid Hills Rd BR U	FW	157.04	2200.82	8.43	834.25	834.05	0.20
NFPC	Main	4771 Druid Hills Rd BR D	100yr	138.10	2017.40	9.20	833.67	833.67	
NFPC	Main	4771 Druid Hills Rd BR D	FW	138.74	2047.11	9.06	833.88	833.67	0.21
NFPC	Main	4682	100yr	165.45	2422.79	7.66	833.80	833.80	
NFPC	Main	4682	FW	165.43	2457.55	7.55	834.01	833.80	0.21
NFPC	Main	4516	100yr	114.00	1560.12	11.89	831.67	831.67	
NFPC	Main	4516	FW	114.00	1596.02	11.63	831.99	831.67	0.31
NFPC	Main	4159	100yr	133.04	1752.22	10.59	831.24	831.24	
NFPC	Main	4159	FW	133.04	1801.23	10.30	831.61	831.24	0.37
NFPC	Main	3985	100yr	159.15	2080.13	8.92	831.23	831.23	
NFPC	Main	3985	FW	148.30	2135.19	8.69	831.60	831.23	0.38
NFPC	Main	3614	100yr	200.14	2297.09	8.08	830.91	830.91	
NFPC	Main	3614	FW	171.64	2065.98	8.98	830.93	830.91	0.01
NFPC	Main	3184	100yr	246.33	2883.47	6.46	830.83	830.83	
NFPC	Main	3184	FW	170.42	2566.34	7.23	830.90	830.83	0.07
NFPC	Main	3021	100yr	172.59	2354.84	8.22	830.25	830.25	
NFPC	Main	3021	FW	172.58	2409.64	8.03	830.56	830.25	0.32
NFPC	Main	2966 Buford Hwy BR U	100yr	156.82	1958.18	9.89	829.71	829.71	
NFPC	Main	2966 Buford Hwy BR U	FW	157.03	2016.54	9.60	830.08	829.71	0.37
NFPC	Main	2966 Buford Hwy BR D	100yr	131.32	1744.54	11.10	828.97	828.97	
NFPC	Main	2966 Buford Hwy BR D	FW	122.74	1758.38	11.01	829.31	828.97	0.34
NFPC	Main	2863	100yr	172.66	2354.51	8.78	829.22	829.22	
NFPC	Main	2863	FW	128.26	2012.17	9.62	829.43	829.22	0.21
NFPC	Main	2704	100yr	258.95	2241.42	8.64	828.70	828.70	
NFPC	Main	2704	FW	157.68	2058.51	9.41	829.10	828.70	0.40

Encroachment 3

HEC-RAS Plan: FW Locations: User Defined (Continued)

River	Reach	River Sta	Profile	Top Wdth Act	Area	Vel Total	W.S. Elev	Base WS	Prof Delta WS
				(ft)	(sq ft)	(ft/s)	(ft)	(ft)	(ft)
NFPC	Main	2322	100yr	93.63	1291.34	14.99	825.48	825.48	
NFPC	Main	2322	FW	93.63	1380.95	14.02	826.44	825.48	0.96
NFPC	Main	1905	100yr	240.47	1703.29	11.37	823.96	823.96	
NFPC	Main	1905	FW	132.82	1504.94	12.87	824.65	823.96	0.69
NFPC	Main	1537	100yr	395.46	2260.46	8.58	823.78	823.78	
NFPC	Main	1537	FW	113.44	1650.50	11.75	824.28	823.78	0.50
NFPC	Main	1168	100yr	186.37	1992.37	9.74	823.06	823.06	
NFPC	Main	1168	FW	110.00	1796.81	10.80	823.82	823.06	0.77
NFPC	Main	824	100yr	145.81	1855.92	10.45	822.58	822.58	
NFPC	Main	824	FW	124.20	1951.27	9.94	823.58	822.58	1.00
NFPC	Main	429	100yr	250.77	1907.52	10.17	819.72	819.72	
NFPC	Main	429	FW	139.50	1462.55	13.26	819.73	819.72	0.01

APPENDIX K

HEC-RAS CORRECTED EFFECTIVE FLOODWAY MODEL

Encroachment 1

HEC-RAS Plan: Corr Eff River: NFPC Reach: Main

Reach	River Sta	Profile	W.S. Elev	Prof Delta WS	E.G. Elev	Top Wdth Act	Q Left	Q Channel	Q Right	Enc Sta L	Ch Sta L	Ch Sta R	Enc Sta R
			(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)	(ft)	(ft)	(ft)
Main	6189	100yr	838.90		839.40	729.26	1014.41	11475.01	6066.55		696.36	767.36	
Main	6189	FW	839.49	0.59	840.25	405.66	1271.44	13495.26	3789.27	649.34	696.36	767.36	1055.00
Main	6118 Corporate Blvd BR U	100yr	838.90		839.40	511.01	2034.93	11707.47	984.34		696.36	767.36	
Main	6118 Corporate Blvd BR U	FW	839.49	0.59	840.25	227.67	2553.71	14692.16	1308.01	649.34	696.36	767.36	1055.00
Main	6118 Corporate Blvd BR D	100yr	838.90		839.37	29.42	532.83	13798.02	395.89		665.25	768.73	
Main	6118 Corporate Blvd BR D	FW	839.49	0.59	840.18	44.67	670.61	17313.77	569.50	644.54	665.25	768.73	872.00
Main	6074	100yr	837.94		838.98	190.68	305.39	18060.78	189.80		665.25	768.73	
Main	6074	FW	837.96	0.02	839.00	190.68	306.33	18057.70	191.94	644.54	665.25	768.73	872.00
Main	5891	100yr	837.12		838.62	295.49	317.00	17381.24	857.73		447.06	533.39	
Main	5891	FW	837.15	0.03	838.65	295.33	318.37	17368.81	868.80	422.61	447.06	533.39	717.94
Main	5577	100yr	836.47		838.20	220.03	863.56	16893.50	798.91		159.00	232.04	
Main	5577	FW	836.51	0.03	838.22	216.97	865.72	16882.18	808.07	125.18	159.00	232.04	342.15
Main	5259	100yr	834.40		837.46	150.02	190.63	18293.13	72.21		185.03	258.19	
Main	5259	FW	834.45	0.05	837.49	129.80	190.77	18291.19	74.01	175.20	185.03	258.19	306.80
Main	5042	100yr	834.66		836.63	173.50	2324.52	16114.57	116.88		380.81	450.48	
Main	5042	FW	834.66	0.00	836.67	159.84	2192.13	16246.08	117.76	302.00	380.81	450.48	461.93
Main	4938	100yr	833.72		836.35	146.72	838.20	17611.18	106.59		439.90	505.17	
Main	4938	FW	833.80	0.08	836.40	146.59	856.18	17591.09	108.70	368.73	439.90	505.17	515.32
Main	4838	100yr	834.49		835.34	186.89	2930.84	15588.62	36.51		443.14	550.91	
Main	4838	FW	834.56	0.08	835.41	186.89	2945.67	15572.93	37.37	372.63	443.14	550.91	559.52
Main	4771 Druid Hills Rd BR U	100yr	833.99		835.21	155.93	2184.55	16365.67	5.76		443.14	550.91	
Main	4771 Druid Hills Rd BR U	FW	834.07	0.08	835.28	156.27	2197.42	16352.14	6.41	372.63	443.14	550.91	559.52
Main	4771 Druid Hills Rd BR D	100yr	833.54		835.02	137.66	1073.22	16309.52	1173.23		441.78	525.06	
Main	4771 Druid Hills Rd BR D	FW	833.63	0.09	835.09	137.98	1082.65	16288.22	1185.09	410.01	441.78	525.06	574.95
Main	4682	100yr	833.71		834.75	164.94	1194.16	15208.00	2153.82		441.78	525.06	
Main	4682	FW	833.80	0.09	834.83	164.94	1202.47	15185.85	2167.65	410.01	441.78	525.06	574.95
Main	4516	100yr	831.72		834.13	114.13	152.82	18338.16	64.99		466.06	556.54	
Main	4516	FW	831.85	0.13	834.21	114.00	156.65	18331.51	67.81	452.83	466.06	556.54	566.83
Main	4299	100yr	831.48		833.53	128.22	105.85	18354.68	95.44		246.17	347.31	
Main	4299	FW	831.60	0.12	833.63	115.00	112.34	18394.21	49.42	237.11	246.17	347.31	352.11
Main	4159	100yr	831.31		833.19	133.25	54.89	18379.16	121.92		104.44	212.45	
Main	4159	FW	831.46	0.14	833.30	133.04	57.28	18371.60	127.09	95.59	104.44	212.45	228.63
Main	3985	100yr	831.30		832.80	162.50	199.20	15361.18	2995.58		170.04	243.79	
Main	3985	FW	831.45	0.15	832.91	148.30	211.18	15325.88	3018.91	147.00	170.04	243.79	295.30
Main	3614	100yr	830.96		832.27	200.20	2061.74	14080.19	2414.05		315.05	384.64	
Main	3614	FW	830.98	0.02	832.43	170.14	1402.59	14639.60	2513.78	264.86	315.05	384.64	436.50
Main	3334	100yr	830.66		831.97	265.44	515.45	16746.17	1294.35		183.73	269.27	
Main	3334	FW	830.68	0.02	832.10	161.45	449.04	17216.19	890.75	154.42	183.73	269.27	315.87
Main	3184	100yr	830.85		831.72	246.37	575.15	15687.10	2293.71		113.15	207.26	
Main	3184	FW	830.86	0.00	831.84	170.42	435.24	16461.14	1659.59	98.68	113.15	207.26	269.10
Main	3021	100yr	830.26		831.48	172.66	1675.94	17044.53	640.65		694.06	787.65	
Main	3021	FW	830.46	0.20	831.65	172.58	1705.68	16999.98	655.46	638.54	694.06	787.65	811.12
Main	2966 Buford Hwy BR U	100yr	829.57		831.31	156.56	927.03	18013.73	420.36		694.06	787.65	
Main	2966 Buford Hwy BR U	FW	829.81	0.25	831.49	157.01	982.35	17929.46	449.31	638.54	694.06	787.65	811.12
Main	2966 Buford Hwy BR D	100yr	828.94		831.00	131.16	489.00	17669.22	1202.90		691.13	777.22	
Main	2966 Buford Hwy BR D	FW	829.13	0.19	831.18	122.22	380.05	17732.76	1248.31	681.52	691.13	777.22	809.78
Main	2863	100yr	829.19		830.58	172.59	1083.05	15802.83	2475.24		698.00	777.22	
Main	2863	FW	829.23	0.04	830.89	128.26	915.17	16944.97	1500.97	681.52	698.00	777.22	809.78
Main	2704	100yr	828.71		830.31	259.03	2932.83	15522.53	905.76		654.48	725.09	
Main	2704	FW	828.88	0.18	830.64	157.68	2400.98	16153.51	806.63	619.05	654.48	725.09	776.73
Main	2322	100yr	825.16		829.25	92.70	785.08	17959.42	616.62		124.31	184.27	
Main	2322	FW	826.02	0.86	829.66	92.70	869.39	17819.26	672.47	107.12	124.31	184.27	199.82
Main	1905	100yr	823.96		827.48	240.47	73.80	17532.54	1754.78		83.92	151.87	
Main	1905	FW	824.64	0.68	828.23	132.82	98.32	18148.12	1114.68	72.18	83.92	151.87	205.00
Main	1795	100yr	823.96		826.91	290.01	153.73	17443.32	1764.07		99.77	172.75	
Main	1795	FW	824.60	0.64	827.71	130.00	5.26	18210.51	1145.35	99.00	99.77	172.75	229.00
Main	1537	100yr	823.78		825.97	395.46	568.39	17577.89	1255.17		137.37	222.25	
Main	1537	FW	824.28	0.50	826.83	113.44	3.90	18847.06	550.48	136.56	137.37	222.25	250.00
Main	1168	100yr	823.06		825.15	186.37	840.75	18445.26	115.45		133.89	223.31	
Main	1168	FW	823.82	0.77	825.92	110.00	400.99	18989.62	10.84	115.00	133.89	223.31	225.00
Main	824	100yr	822.58		824.42	145.81	11.19	19255.67	134.59		94.29	202.96	
Main	824	FW	823.58	1.00	825.21	124.20	16.25	19248.31	136.89	90.80	94.29	202.96	215.00
Main	429	100yr	819.72		823.22	250.77	77.78	16926.61	2393.67		72.91	136.96	
Main	429	FW	819.73	0.01	823.99	139.50	47.09	18088.71	1262.25	68.50	72.91	136.96	208.00

Encroachment 2

HEC-RAS Plan: Corr Eff River: NFPC Reach: Main

Reach	River Sta	Profile	Prof Delta WS	Top Wdth Act	K Perc L	Enc Sta L	Dist Center L	Center Station	Dist Center R	Enc Sta R	K Perc R	Enc WD
			(ft)	(ft)		(ft)	(ft)	(ft)	(ft)	(ft)		(ft)
Main	6189	100yr		729.26				731.86				
Main	6189	FW	0.59	405.66		649.34	82.52	731.86	323.14	1055.00		405.66
Main	6118 Corporate Blvd BR U	100yr		511.01				731.86				
Main	6118 Corporate Blvd BR U	FW	0.59	227.67		649.34	82.52	731.86	323.14	1055.00		405.66
Main	6118 Corporate Blvd BR D	100yr		29.42				716.99				
Main	6118 Corporate Blvd BR D	FW	0.59	44.67		644.54	72.45	716.99	155.01	872.00		227.46
Main	6074	100yr		190.68				716.99				
Main	6074	FW	0.02	190.68	0.00	644.54	72.45	716.99	155.01	872.00	0.00	227.46
Main	5891	100yr		295.49				490.23				
Main	5891	FW	0.03	295.33	0.00	422.61	67.62	490.23	227.72	717.94	-0.01	295.33
Main	5577	100yr		220.03				195.52				
Main	5577	FW	0.03	216.97	0.00	125.18	70.34	195.52	146.63	342.15	-0.01	216.97
Main	5259	100yr		150.02				221.61				
Main	5259	FW	0.05	129.80	0.00	175.20	46.41	221.61	85.19	306.80	0.02	131.60
Main	5042	100yr		173.50				415.65				
Main	5042	FW	0.00	159.84	0.81	302.00	113.65	415.65	46.28	461.93	0.00	159.93
Main	4938	100yr		146.72				472.54				
Main	4938	FW	0.08	146.59	-0.03	368.73	103.81	472.54	42.79	515.32	0.00	146.59
Main	4838	100yr		186.89				497.03				
Main	4838	FW	0.08	186.89		372.63	124.40	497.03	62.50	559.52		186.89
Main	4771 Druid Hills Rd BR U	100yr		155.93				497.03				
Main	4771 Druid Hills Rd BR U	FW	0.08	156.27		372.63	124.40	497.03	62.50	559.52		186.89
Main	4771 Druid Hills Rd BR D	100yr		137.66				483.42				
Main	4771 Druid Hills Rd BR D	FW	0.09	137.98		410.01	73.41	483.42	91.53	574.95		164.94
Main	4682	100yr		164.94				483.42				
Main	4682	FW	0.09	164.94	0.00	410.01	73.41	483.42	91.53	574.95	0.00	164.94
Main	4516	100yr		114.13				511.30				
Main	4516	FW	0.13	114.00	0.00	452.83	58.47	511.30	55.53	566.83	0.00	114.00
Main	4299	100yr		128.22				296.74				
Main	4299	FW	0.12	115.00	-0.02	237.11	59.63	296.74	55.37	352.11	0.27	115.00
Main	4159	100yr		133.25				158.45				
Main	4159	FW	0.14	133.04	0.00	95.59	62.86	158.45	70.19	228.63	0.00	133.04
Main	3985	100yr		162.50				206.92				
Main	3985	FW	0.15	148.30	-0.02	147.00	59.91	206.92	88.38	295.30	0.00	148.30
Main	3614	100yr		200.20				349.85				
Main	3614	FW	0.02	170.14	3.87	264.86	84.99	349.85	86.66	436.50	0.00	171.64
Main	3334	100yr		265.44				226.50				
Main	3334	FW	0.02	161.45	0.43	154.42	72.08	226.50	89.37	315.87	2.33	161.45
Main	3184	100yr		246.37				160.21				
Main	3184	FW	0.00	170.42	0.86	98.68	61.53	160.21	108.90	269.10	3.84	170.42
Main	3021	100yr		172.66				740.86				
Main	3021	FW	0.20	172.58		638.54	102.32	740.86	70.27	811.12		172.58
Main	2966 Buford Hwy BR U	100yr		156.56				740.86				
Main	2966 Buford Hwy BR U	FW	0.25	157.01		638.54	102.32	740.86	70.27	811.12		172.58
Main	2966 Buford Hwy BR D	100yr		131.16				734.18				
Main	2966 Buford Hwy BR D	FW	0.19	122.22		681.52	52.65	734.18	75.61	809.78		128.26
Main	2863	100yr		172.59				737.61				
Main	2863	FW	0.04	128.26	1.21	681.52	56.09	737.61	72.17	809.78	5.63	128.26
Main	2704	100yr		259.03				689.79				
Main	2704	FW	0.18	157.68	3.49	619.05	70.74	689.79	86.94	776.73	0.93	157.68
Main	2322	100yr		92.70				154.29				
Main	2322	FW	0.86	92.70	0.00	107.12	47.17	154.29	45.53	199.82	0.00	92.70
Main	1905	100yr		240.47				117.90				
Main	1905	FW	0.68	132.82	-0.01	72.18	45.72	117.90	87.11	205.00	5.43	132.82
Main	1795	100yr		290.01				136.26				
Main	1795	FW	0.64	130.00	0.93	99.00	37.26	136.26	92.74	229.00	5.49	130.00
Main	1537	100yr		395.46				179.81				
Main	1537	FW	0.50	113.44	3.18	136.56	43.25	179.81	70.19	250.00	5.37	113.44
Main	1168	100yr		186.37				178.60				
Main	1168	FW	0.77	110.00	2.87	115.00	63.60	178.60	46.40	225.00	0.66	110.00
Main	824	100yr		145.81				148.63				
Main	824	FW	1.00	124.20	0.00	90.80	57.83	148.63	66.38	215.00	0.33	124.20
Main	429	100yr		250.77				104.94				
Main	429	FW	0.01	139.50	0.18	68.50	36.44	104.94	103.07	208.00	6.28	139.50

Encroachment 3

HEC-RAS Plan: Corr Eff River: NFPC Reach: Main

Reach	River Sta	Profile	Top Wdth Act	Area	Vel Total	W.S. Elev	Base WS	Prof Delta WS
			(ft)	(sq ft)	(ft/s)	(ft)	(ft)	(ft)
Main	6189	100yr	729.26	4754.87	3.90	838.90	838.90	
Main	6189	FW	405.66	3628.27	5.11	839.49	838.90	0.59
Main	6118 Corporate Blvd BR U	100yr	511.01	3529.49	5.26	838.90	838.90	
Main	6118 Corporate Blvd BR U	FW	227.67	2357.30	7.87	839.49	838.90	0.59
Main	6118 Corporate Blvd BR D	100yr	29.42	3120.57	8.46	838.90	838.90	
Main	6118 Corporate Blvd BR D	FW	44.67	2203.28	8.42	839.49	838.90	0.59
Main	6074	100yr	190.68	2988.89	7.58	837.94	837.94	
Main	6074	FW	190.68	2451.33	7.57	837.96	837.94	0.02
Main	5891	100yr	295.49	2470.33	7.86	837.12	837.12	
Main	5891	FW	295.33	2369.57	7.83	837.15	837.12	0.03
Main	5577	100yr	220.03	2230.02	8.32	836.47	836.47	
Main	5577	FW	216.97	2237.09	8.29	836.51	836.47	0.03
Main	5259	100yr	150.02	1411.08	13.15	834.40	834.40	
Main	5259	FW	129.80	1410.96	13.15	834.45	834.40	0.05
Main	5042	100yr	173.50	2159.31	8.59	834.66	834.66	
Main	5042	FW	159.84	2086.12	8.89	834.66	834.66	0.00
Main	4938	100yr	146.72	1705.94	10.88	833.72	833.72	
Main	4938	FW	146.59	1718.34	10.80	833.80	833.72	0.08
Main	4838	100yr	186.89	2613.60	7.10	834.49	834.49	
Main	4838	FW	186.89	2627.66	7.06	834.56	834.49	0.08
Main	4771 Druid Hills Rd BR U	100yr	155.93	2159.25	8.59	833.99	833.99	
Main	4771 Druid Hills Rd BR U	FW	156.27	2172.13	8.54	834.07	833.99	0.08
Main	4771 Druid Hills Rd BR D	100yr	137.66	2000.27	9.28	833.54	833.54	
Main	4771 Druid Hills Rd BR D	FW	137.98	2012.53	9.22	833.63	833.54	0.09
Main	4682	100yr	164.94	2408.82	7.70	833.71	833.71	
Main	4682	FW	164.94	2423.17	7.66	833.80	833.71	0.09
Main	4516	100yr	114.13	1565.68	11.85	831.72	831.72	
Main	4516	FW	114.00	1580.19	11.74	831.85	831.72	0.13
Main	4299	100yr	128.22	1686.27	11.00	831.48	831.48	
Main	4299	FW	115.00	1675.44	11.08	831.60	831.48	0.12
Main	4159	100yr	133.25	1761.27	10.54	831.31	831.31	
Main	4159	FW	133.04	1780.53	10.42	831.46	831.31	0.14
Main	3985	100yr	162.50	2091.36	8.87	831.30	831.30	
Main	3985	FW	148.30	2111.62	8.79	831.45	831.30	0.15
Main	3614	100yr	200.20	2306.51	8.05	830.96	830.96	
Main	3614	FW	170.14	2174.15	8.53	830.98	830.96	0.02
Main	3334	100yr	265.44	2731.01	6.79	830.66	830.66	
Main	3334	FW	161.45	2352.67	7.89	830.68	830.66	0.02
Main	3184	100yr	246.37	2890.35	6.44	830.85	830.85	
Main	3184	FW	170.42	2608.67	7.11	830.86	830.85	0.00
Main	3021	100yr	172.66	2356.96	8.21	830.26	830.26	
Main	3021	FW	172.58	2391.84	8.09	830.46	830.26	0.20
Main	2966 Buford Hwy BR U	100yr	156.56	1935.97	10.00	829.57	829.57	
Main	2966 Buford Hwy BR U	FW	157.01	1974.79	9.80	829.81	829.57	0.25
Main	2966 Buford Hwy BR D	100yr	131.16	1740.70	11.12	828.94	828.94	
Main	2966 Buford Hwy BR D	FW	122.22	1736.61	11.15	829.13	828.94	0.19

HEC-RAS Plan: Corr Eff River: NFPC Reach: Main (Continued)

Reach	River Sta	Profile	Top Wdth Act	Area	Vel Total	W.S. Elev	Base WS	Prof Delta WS
			(ft)	(sq ft)	(ft/s)	(ft)	(ft)	(ft)
Main	2863	100yr	172.59	2348.30	8.80	829.19	829.19	
Main	2863	FW	128.26	1986.47	9.75	829.23	829.19	0.04
Main	2704	100yr	259.03	2244.49	8.63	828.71	828.71	
Main	2704	FW	157.68	2024.75	9.56	828.88	828.71	0.18
Main	2322	100yr	92.70	1261.84	15.34	825.16	825.16	
Main	2322	FW	92.70	1341.45	14.43	826.02	825.16	0.86
Main	1905	100yr	240.47	1703.32	11.37	823.96	823.96	
Main	1905	FW	132.82	1502.90	12.88	824.64	823.96	0.68
Main	1795	100yr	290.01	1886.49	10.26	823.96	823.96	
Main	1795	FW	130.00	1586.95	12.20	824.60	823.96	0.64
Main	1537	100yr	395.46	2260.46	8.58	823.78	823.78	
Main	1537	FW	113.44	1650.50	11.75	824.28	823.78	0.50
Main	1168	100yr	186.37	1992.37	9.74	823.06	823.06	
Main	1168	FW	110.00	1796.81	10.80	823.82	823.06	0.77
Main	824	100yr	145.81	1855.92	10.45	822.58	822.58	
Main	824	FW	124.20	1951.27	9.94	823.58	822.58	1.00
Main	429	100yr	250.77	1907.52	10.17	819.72	819.72	
Main	429	FW	139.50	1462.55	13.26	819.73	819.72	0.01

APPENDIX L

HEC-RAS PROPOSED CONDITION FLOODWAY MODEL

Encroachment 1

HEC-RAS Plan: Prop FW River: NFPC Reach: Main

Reach	River Sta	Profile	W.S. Elev	Prof Delta WS	E.G. Elev	Top Wdth Act	Q Left	Q Channel	Q Right	Enc Sta L	Ch Sta L	Ch Sta R	Enc Sta R
			(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)	(ft)	(ft)	(ft)
Main	6189	100yr	838.90		839.40	729.27	1014.40	11474.87	6066.71		696.36	767.36	
Main	6189	FW	839.50	0.60	840.25	405.66	1271.62	13488.50	3795.86	649.34	696.36	767.36	1055.00
Main	6118 Corporate Blvd BR U	100yr	838.90		839.40	511.02	2037.97	11724.95	6269.65		696.36	767.36	
Main	6118 Corporate Blvd BR U	FW	839.50	0.60	840.25	228.22	2553.72	14692.19	1309.90	649.34	696.36	767.36	1055.00
Main	6118 Corporate Blvd BR D	100yr	838.90		839.40	29.43	533.62	13818.62	5680.32		665.25	768.73	
Main	6118 Corporate Blvd BR D	FW	839.50	0.60	840.19	45.22	670.61	17313.80	571.39	644.54	665.25	768.73	872.00
Main	6074	100yr	837.96		839.00	191.60	306.08	18058.16	191.73		665.25	768.73	
Main	6074	FW	837.98	0.03	839.02	191.56	307.36	18054.25	194.36	644.54	665.25	768.73	872.00
Main	5891	100yr	837.15		838.64	295.98	317.95	17371.47	866.56		447.06	533.39	
Main	5891	FW	837.18	0.04	838.67	295.33	319.82	17355.21	880.94	422.61	447.06	533.39	717.94
Main	5577	100yr	836.50		838.22	227.04	865.12	16884.70	806.14		159.00	232.04	
Main	5577	FW	836.54	0.04	838.25	216.97	867.96	16870.16	817.85	125.18	159.00	232.04	342.15
Main	5259	100yr	834.45		837.48	152.25	191.48	18287.17	77.33		185.03	258.19	
Main	5259	FW	834.50	0.05	837.52	129.80	191.68	18284.95	79.34	175.20	185.03	258.19	306.80
Main	5042	100yr	834.71		836.66	173.63	2333.88	16104.19	117.90		380.81	450.48	
Main	5042	FW	834.72	0.01	836.71	159.93	2202.33	16234.65	118.99	302.00	380.81	450.48	461.93
Main	4938	100yr	833.77		836.39	147.27	846.39	17601.80	107.78		439.90	505.17	
Main	4938	FW	833.87	0.10	836.45	146.59	869.90	17575.72	110.35	368.73	439.90	505.17	515.32
Main	4838	100yr	834.53		835.39	187.07	2903.80	15615.09	37.08		443.14	550.91	
Main	4838	FW	834.62	0.09	835.47	186.89	2920.77	15597.08	38.12	372.63	443.14	550.91	559.52
Main	4771 Druid Hills Rd BR U	100yr	834.04		835.26	156.17	2189.54	16360.21	6.21		443.14	550.91	
Main	4771 Druid Hills Rd BR U	FW	834.14	0.09	835.34	156.56	2204.14	16344.83	7.00	372.63	443.14	550.91	559.52
Main	4771 Druid Hills Rd BR D	100yr	833.58		835.07	137.79	1008.76	16364.29	1182.93		441.78	525.06	
Main	4771 Druid Hills Rd BR D	FW	833.68	0.10	835.15	138.16	1019.63	16339.79	1196.56	410.01	441.78	525.06	574.95
Main	4682	100yr	833.76		834.79	165.83	1200.68	15194.81	2160.48		441.78	525.06	
Main	4682	FW	833.86	0.10	834.88	164.94	1210.31	15169.19	2176.47	410.01	441.78	525.06	574.95
Main	4516	100yr	831.73		834.16	112.16	95.38	18395.16	65.43		466.06	556.54	
Main	4516	FW	831.88	0.14	834.26	112.00	97.09	18390.23	68.65	452.83	466.06	556.54	566.83
Main	4299	100yr	831.51		833.55	128.36	106.69	18352.99	96.29		246.17	347.31	
Main	4299	FW	831.65	0.14	833.67	115.00	113.36	18392.94	49.68	237.11	246.17	347.31	352.11
Main	4159	100yr	831.35		833.21	130.80	51.65	18381.38	122.95		104.44	212.45	
Main	4159	FW	831.51	0.16	833.34	130.63	53.14	18373.95	128.88	98.00	104.44	212.45	228.63
Main	3985	100yr	831.33		832.82	154.21	191.60	15361.98	3002.39		170.04	243.79	
Main	3985	FW	831.50	0.17	832.96	142.13	196.38	15329.99	3029.60	154.00	170.04	243.79	302.30
Main	3614	100yr	831.00		832.31	200.25	2053.70	14079.57	2422.69		315.05	384.64	
Main	3614	FW	831.03	0.04	832.48	170.14	1392.29	14636.05	2527.63	264.86	315.05	384.64	436.50
Main	3334	100yr	830.66		832.00	251.47	389.50	16862.65	1303.82		183.73	269.27	
Main	3334	FW	830.73	0.06	832.15	154.15	376.98	17280.74	898.25	154.42	183.73	269.27	315.87
Main	3184	100yr	830.87		831.74	246.40	505.35	15742.08	2308.55		113.15	207.26	
Main	3184	FW	830.92	0.05	831.89	170.42	369.34	16419.89	1766.74	102.65	113.15	207.26	273.07
Main	3021	100yr	830.29		831.50	172.83	1680.12	17038.27	642.73		694.06	787.65	
Main	3021	FW	830.52	0.23	831.70	172.58	1714.38	16986.95	659.79	638.54	694.06	787.65	811.12
Main	2966 Buford Hwy BR U	100yr	829.60		831.34	156.63	935.58	18000.74	424.79		694.06	787.65	
Main	2966 Buford Hwy BR U	FW	829.89	0.28	831.54	157.03	998.47	17903.97	458.68	638.54	694.06	787.65	811.12
Main	2966 Buford Hwy BR D	100yr	828.98		831.03	131.39	492.40	17657.42	1211.30		691.13	777.22	
Main	2966 Buford Hwy BR D	FW	829.21	0.23	831.23	122.45	382.99	17713.80	1264.32	681.52	691.13	777.22	809.78
Main	2863	100yr	829.18		830.66	158.57	1106.43	16156.34	2098.35		698.00	777.22	
Main	2863	FW	829.31	0.13	830.95	128.26	918.18	16930.45	1512.49	681.52	698.00	777.22	809.78
Main	2704	100yr	828.59		830.35	258.17	2363.92	16091.89	905.30		654.48	725.09	
Main	2704	FW	828.79	0.20	830.66	157.68	2020.46	16510.04	830.62	625.00	654.48	725.09	782.68
Main	2322	100yr	825.19		829.26	92.77	787.41	17955.56	618.14		124.31	184.27	
Main	2322	FW	826.02	0.84	829.66	92.70	869.39	17819.26	672.47	107.12	124.31	184.27	199.82
Main	1905	100yr	824.03		827.50	241.13	75.39	17496.49	1789.24		83.92	151.87	
Main	1905	FW	824.64	0.61	828.23	132.82	98.32	18148.12	1114.68	72.18	83.92	151.87	205.00
Main	1795	100yr	824.01		826.95	280.33	128.66	17434.56	1797.90		99.77	172.75	
Main	1795	FW	824.60	0.59	827.71	130.00	5.26	18210.51	1145.35	99.00	99.77	172.75	229.00
Main	1537	100yr	823.71		826.03	377.86	288.17	17881.69	1231.58		137.37	222.25	
Main	1537	FW	824.28	0.58	826.83	113.44	3.90	18847.06	550.48	136.56	137.37	222.25	250.00
Main	1168	100yr	823.06		825.15	186.37	840.72	18445.29	115.44		133.89	223.31	
Main	1168	FW	823.82	0.77	825.92	110.00	400.99	18989.62	10.84	115.00	133.89	223.31	225.00
Main	824	100yr	822.58		824.42	145.81	11.19	19255.68	134.58		94.29	202.96	
Main	824	FW	823.58	1.00	825.21	124.20	16.25	19248.31	136.89	90.80	94.29	202.96	215.00
Main	429	100yr	819.72		823.22	250.69	77.96	16926.38	2393.71		72.91	136.96	
Main	429	FW	819.73	0.01	823.99	139.50	47.09	18088.71	1262.25	68.50	72.91	136.96	208.00

Encroachment 2

HEC-RAS Plan: Prop FW River: NFPC Reach: Main

Reach	River Sta	Profile	Prof Delta WS	Top Wdth Act	K Perc L	Enc Sta L	Dist Center L	Center Station	Dist Center R	Enc Sta R	K Perc R	Enc WD
			(ft)	(ft)		(ft)	(ft)	(ft)	(ft)	(ft)		(ft)
Main	6189	100yr		729.27				731.86				
Main	6189	FW	0.60	405.66		649.34	82.52	731.86	323.14	1055.00		405.66
Main	6118 Corporate Blvd BR U	100yr		511.02				731.86				
Main	6118 Corporate Blvd BR U	FW	0.60	228.22		649.34	82.52	731.86	323.14	1055.00		405.66
Main	6118 Corporate Blvd BR D	100yr		29.43				716.99				
Main	6118 Corporate Blvd BR D	FW	0.60	45.22		644.54	72.45	716.99	155.01	872.00		227.46
Main	6074	100yr		191.60				716.99				
Main	6074	FW	0.03	191.56	0.00	644.54	72.45	716.99	155.01	872.00	0.00	227.46
Main	5891	100yr		295.98				490.23				
Main	5891	FW	0.04	295.33	0.00	422.61	67.62	490.23	227.72	717.94	-0.01	295.33
Main	5577	100yr		227.04				195.52				
Main	5577	FW	0.04	216.97	0.00	125.18	70.34	195.52	146.63	342.15	-0.01	216.97
Main	5259	100yr		152.25				221.61				
Main	5259	FW	0.05	129.80	0.00	175.20	46.41	221.61	85.19	306.80	0.02	131.60
Main	5042	100yr		173.63				415.65				
Main	5042	FW	0.01	159.93	0.81	302.00	113.65	415.65	46.28	461.93	0.00	159.93
Main	4938	100yr		147.27				472.54				
Main	4938	FW	0.10	146.59	-0.05	368.73	103.81	472.54	42.79	515.32	0.00	146.59
Main	4838	100yr		187.07				497.03				
Main	4838	FW	0.09	186.89		372.63	124.40	497.03	62.50	559.52		186.89
Main	4771 Druid Hills Rd BR U	100yr		156.17				497.03				
Main	4771 Druid Hills Rd BR U	FW	0.09	156.56		372.63	124.40	497.03	62.50	559.52		186.89
Main	4771 Druid Hills Rd BR D	100yr		137.79				483.42				
Main	4771 Druid Hills Rd BR D	FW	0.10	138.16		410.01	73.41	483.42	91.53	574.95		164.94
Main	4682	100yr		165.83				483.42				
Main	4682	FW	0.10	164.94	0.00	410.01	73.41	483.42	91.53	574.95	-0.01	164.94
Main	4516	100yr		112.16				511.30				
Main	4516	FW	0.14	112.00	0.00	452.83	58.47	511.30	55.53	566.83	0.00	114.00
Main	4299	100yr		128.36				296.74				
Main	4299	FW	0.14	115.00	-0.01	237.11	59.63	296.74	55.37	352.11	0.27	115.00
Main	4159	100yr		130.80				158.45				
Main	4159	FW	0.16	130.63	0.00	98.00	60.45	158.45	70.19	228.63	-0.01	130.63
Main	3985	100yr		154.21				206.92				
Main	3985	FW	0.17	142.13	0.01	154.00	52.91	206.92	95.38	302.30	0.00	148.30
Main	3614	100yr		200.25				349.85				
Main	3614	FW	0.04	170.14	3.92	264.86	84.99	349.85	86.66	436.50	0.00	171.64
Main	3334	100yr		251.47				226.50				
Main	3334	FW	0.06	154.15	0.13	154.42	72.08	226.50	89.37	315.87	2.38	161.45
Main	3184	100yr		246.40				160.21				
Main	3184	FW	0.05	170.42	0.84	102.65	57.56	160.21	112.87	273.07	3.42	170.42
Main	3021	100yr		172.83				740.86				
Main	3021	FW	0.23	172.58		638.54	102.32	740.86	70.27	811.12		172.58
Main	2966 Buford Hwy BR U	100yr		156.63				740.86				
Main	2966 Buford Hwy BR U	FW	0.28	157.03		638.54	102.32	740.86	70.27	811.12		172.58
Main	2966 Buford Hwy BR D	100yr		131.39				734.18				
Main	2966 Buford Hwy BR D	FW	0.23	122.45		681.52	52.65	734.18	75.61	809.78		128.26
Main	2863	100yr		158.57				737.61				
Main	2863	FW	0.13	128.26	1.25	681.52	56.09	737.61	72.17	809.78	3.58	128.26
Main	2704	100yr		258.17				689.79				
Main	2704	FW	0.20	157.68	2.32	625.00	64.79	689.79	92.89	782.68	0.78	157.68
Main	2322	100yr		92.77				154.29				
Main	2322	FW	0.84	92.70	0.00	107.12	47.17	154.29	45.53	199.82	0.00	92.70
Main	1905	100yr		241.13				117.90				
Main	1905	FW	0.61	132.82	-0.01	72.18	45.72	117.90	87.11	205.00	5.43	132.82
Main	1795	100yr		280.33				136.26				
Main	1795	FW	0.59	130.00	0.71	99.00	37.26	136.26	92.74	229.00	5.50	130.00
Main	1537	100yr		377.86				179.81				
Main	1537	FW	0.58	113.44	1.62	136.56	43.25	179.81	70.19	250.00	5.46	113.44
Main	1168	100yr		186.37				178.60				
Main	1168	FW	0.77	110.00	2.87	115.00	63.60	178.60	46.40	225.00	0.66	110.00
Main	824	100yr		145.81				148.63				
Main	824	FW	1.00	124.20	0.00	90.80	57.83	148.63	66.38	215.00	0.33	124.20
Main	429	100yr		250.69				104.94				
Main	429	FW	0.01	139.50	0.18	68.50	36.44	104.94	103.07	208.00	6.28	139.50

Encroachment 3

HEC-RAS Plan: Prop FW River: NFPC Reach: Main

Reach	River Sta	Profile	Top Wdth Act	Area	Vel Total	W.S. Elev	Base WS	Prof Delta WS
			(ft)	(sq ft)	(ft/s)	(ft)	(ft)	(ft)
Main	6189	100yr	729.27	4754.96	3.90	838.90	838.90	
Main	6189	FW	405.66	3631.69	5.11	839.50	838.90	0.60
Main	6118 Corporate Blvd BR U	100yr	511.02	3529.55	5.26	838.90	838.90	
Main	6118 Corporate Blvd BR U	FW	228.22	2359.22	7.87	839.50	838.90	0.60
Main	6118 Corporate Blvd BR D	100yr	29.43	3120.62	8.46	838.90	838.90	
Main	6118 Corporate Blvd BR D	FW	45.22	2203.66	8.42	839.50	838.90	0.60
Main	6074	100yr	191.60	2999.96	7.57	837.96	837.96	
Main	6074	FW	191.56	2455.88	7.56	837.98	837.96	0.03
Main	5891	100yr	295.98	2479.68	7.83	837.15	837.15	
Main	5891	FW	295.33	2379.00	7.80	837.18	837.15	0.04
Main	5577	100yr	227.04	2236.61	8.30	836.50	836.50	
Main	5577	FW	216.97	2244.90	8.27	836.54	836.50	0.04
Main	5259	100yr	152.25	1418.10	13.09	834.45	834.45	
Main	5259	FW	129.80	1418.07	13.09	834.50	834.45	0.05
Main	5042	100yr	173.63	2167.53	8.56	834.71	834.71	
Main	5042	FW	159.93	2095.09	8.86	834.72	834.71	0.01
Main	4938	100yr	147.27	1714.05	10.83	833.77	833.77	
Main	4938	FW	146.59	1728.25	10.74	833.87	833.77	0.10
Main	4838	100yr	187.07	2619.78	7.08	834.53	834.53	
Main	4838	FW	186.89	2635.82	7.04	834.62	834.53	0.09
Main	4771 Druid Hills Rd BR U	100yr	156.17	2168.23	8.56	834.04	834.04	
Main	4771 Druid Hills Rd BR U	FW	156.56	2182.92	8.50	834.14	834.04	0.09
Main	4771 Druid Hills Rd BR D	100yr	137.79	2000.41	9.28	833.58	833.58	
Main	4771 Druid Hills Rd BR D	FW	138.16	2014.47	9.21	833.68	833.58	0.10
Main	4682	100yr	165.83	2422.37	7.66	833.76	833.76	
Main	4682	FW	164.94	2438.59	7.61	833.86	833.76	0.10
Main	4516	100yr	112.16	1556.12	11.92	831.73	831.73	
Main	4516	FW	112.00	1572.24	11.80	831.88	831.73	0.14
Main	4299	100yr	128.36	1690.43	10.98	831.51	831.51	
Main	4299	FW	115.00	1681.26	11.04	831.65	831.51	0.14
Main	4159	100yr	130.80	1763.04	10.53	831.35	831.35	
Main	4159	FW	130.63	1784.43	10.40	831.51	831.35	0.16
Main	3985	100yr	154.21	2083.25	8.91	831.33	831.33	
Main	3985	FW	142.13	2105.19	8.81	831.50	831.33	0.17
Main	3614	100yr	200.25	2310.83	8.03	831.00	831.00	
Main	3614	FW	170.14	2181.02	8.51	831.03	831.00	0.04
Main	3334	100yr	251.47	2664.14	6.97	830.66	830.66	
Main	3334	FW	154.15	2321.57	7.99	830.73	830.66	0.06
Main	3184	100yr	246.40	2879.61	6.47	830.87	830.87	
Main	3184	FW	170.42	2618.18	7.09	830.92	830.87	0.05
Main	3021	100yr	172.83	2362.25	8.20	830.29	830.29	
Main	3021	FW	172.58	2402.21	8.06	830.52	830.29	0.23
Main	2966 Buford Hwy BR U	100yr	156.63	1941.93	9.97	829.60	829.60	
Main	2966 Buford Hwy BR U	FW	157.03	1986.28	9.75	829.89	829.60	0.28
Main	2966 Buford Hwy BR D	100yr	131.39	1746.40	11.09	828.98	828.98	
Main	2966 Buford Hwy BR D	FW	122.45	1746.45	11.09	829.21	828.98	0.23

HEC-RAS Plan: Prop FW River: NFPC Reach: Main (Continued)

Reach	River Sta	Profile	Top Wdth Act	Area	Vel Total	W.S. Elev	Base WS	Prof Delta WS
			(ft)	(sq ft)	(ft/s)	(ft)	(ft)	(ft)
Main	2863	100yr	158.57	2346.40	9.13	829.18	829.18	
Main	2863	FW	128.26	1996.54	9.70	829.31	829.18	0.13
Main	2704	100yr	258.17	2169.41	8.92	828.59	828.59	
Main	2704	FW	157.68	1973.23	9.81	828.79	828.59	0.20
Main	2322	100yr	92.77	1264.01	15.32	825.19	825.19	
Main	2322	FW	92.70	1341.45	14.43	826.02	825.19	0.84
Main	1905	100yr	241.13	1719.22	11.26	824.03	824.03	
Main	1905	FW	132.82	1502.90	12.88	824.64	824.03	0.61
Main	1795	100yr	280.33	1886.57	10.26	824.01	824.01	
Main	1795	FW	130.00	1586.95	12.20	824.60	824.01	0.59
Main	1537	100yr	377.86	2151.66	9.02	823.71	823.71	
Main	1537	FW	113.44	1650.50	11.75	824.28	823.71	0.58
Main	1168	100yr	186.37	1992.34	9.74	823.06	823.06	
Main	1168	FW	110.00	1796.81	10.80	823.82	823.06	0.77
Main	824	100yr	145.81	1855.90	10.45	822.58	822.58	
Main	824	FW	124.20	1951.27	9.94	823.58	822.58	1.00
Main	429	100yr	250.69	1907.55	10.17	819.72	819.72	
Main	429	FW	139.50	1462.55	13.26	819.73	819.72	0.01