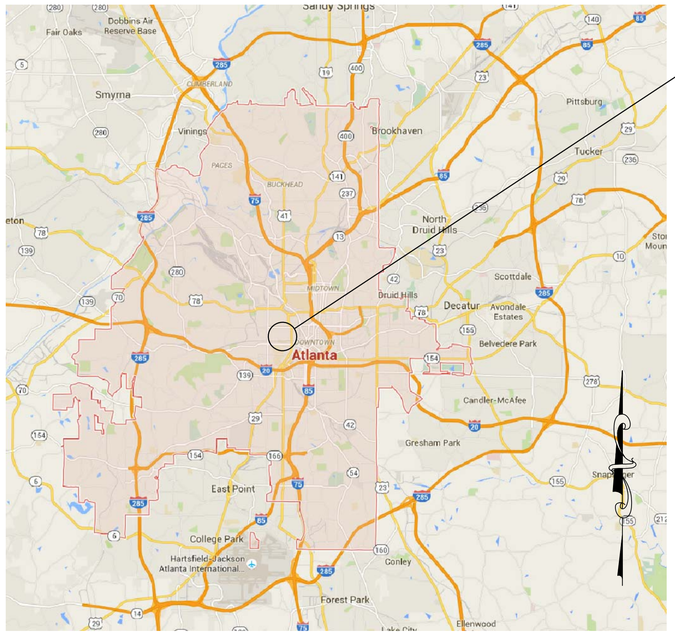
UPPER PROCTOR CREEK

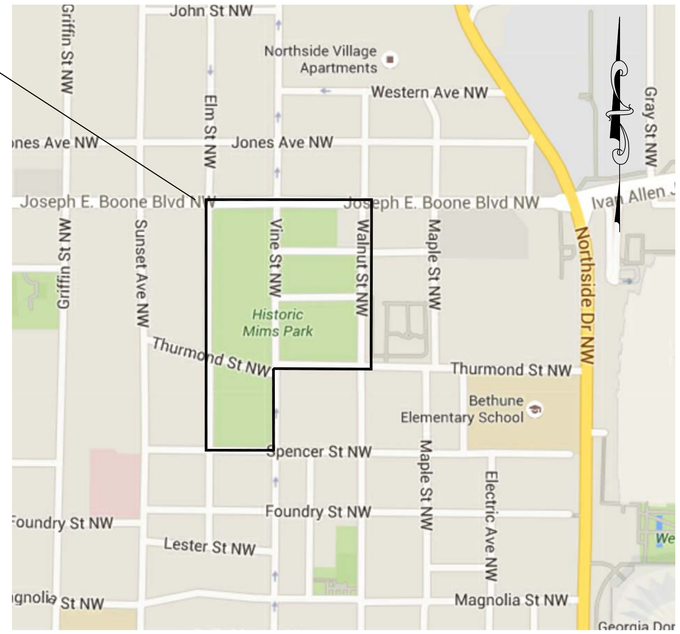
CAPACITY RELIEF PROJECT

RODNEY COOK, SR., PARK IN HISTORIC VINE CITY

CONTRACT PLANS FOR F.C. - 9445

PROJECT LOCATION





24 HOUR DWM CONTACT
NAME : CORY RAYBURN
ADDRESS: 72 MARIETTA ST. NW
ATLANTA GA 30303
PHONE # : 678-614-2369

24 HOUR CMAR CONTACT
NAME : STEVE ORTMAN
ADDRESS: 300 CHURCHILL COURT
WOODSTOCK, GA 30188
PHONE # : 404-427-3872

PRIOR TO LAND DISTURBING ACTIVITIES, THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE AREA EROSION CONTROL INSPECTOR. CALL (404) 546-1300 TO CONTACT THE INSPECTOR.

OWNER

CITY OF ATLANTA

DEPARTMENT OF WATERSHED MANAGEMENT

72 MARIETTA STREET

ATLANTA, GA. 30303

MAYOR
KASIM REED

COMMISSIONER
KISHIA L. POWELL

24 HOUR EROSION CONTROL CONTACT:
NAME: STEVE ORTMAN
ADDRESS: 300 CHURCHILL COURT
WOODSTOCK, GA 30188
PHONE #: 404-427-3872

jp² value ▪ innovation ▪ results
5887 GLENRIDGE DR
ATLANTA, GA. 30328
404-979-3310

811 Know what's **below.** **Call** before you dig.

GEORGIA REGISTERED No. PE16710 PROFESSIONAL ENGINEER SUSAN U. MAJOR
ENGINEER OF RECORD

REVISIONS

DATE	DESCRIPTION
10/2/17	ISSUED FOR CONSTRUCTION
0/23/17	ISSUED FOR CONSTRUCTION

STORM WATER POND DRAWING INDEX (CONT'D)

DRAWING NUMBER	SHEET NAME	REV. 0 - ISSUED FOR CONSTRUCTION 10/2/2017	REV. 1 - ISSUED FOR CONSTRUCTION 10/23/2017				
C-114B-1	EASEMENT PLAN	●	●				
C-114C	48-IN STORM SEWER LATERAL TIE-IN PLAN AND PROFILE (2 OF 4)	●	●				
C-114D	48-IN STORM SEWER LATERAL TIE-IN PLAN AND PROFILE (3 OF 4)	●	●				
C-114E	48-IN STORM SEWER LATERAL TIE-IN PLAN AND PROFILE (4 OF 4)	●	●				
C-115	42-IN STORM SEWER PLAN AND PROFILE	●	●				
C-116	ELM STREET STORM SEWER PLAN AND PROFILE	●	●				
C-117	ELM STREET SANITARY SEWER PLAN AND PROFILE	●	●				
C-118	THURMOND STREET SANITARY SEWER PLAN AND PROFILE	●	●				
C-118 A	THURMOND STREET SANITARY SEWER PLAN AND PROFILE	●	●				
C-119	THURMOND STREET WATER MAIN PLAN AND PROFILE	●	●				
C-120	WALNUT STREET WATER MAIN PLAN AND PROFILE STA 0+00 TO 4+50	●	●				
C-121	WALNUT STREET WATER MAIN PLAN AND PROFILE STA 4+50 TO END	●	●				
C-122	WALNUT STREET PAVEMENT MARKING PLAN	●	●				
C-123	THURMOND STREET PAVEMENT MARKING PLAN	●	●				
C-124	AERATION/FILTRATION LAYOUT	●	●				
C-125A	BASIN AREA - OVERALL VEGETATION PLAN	●	●				
C-125B	BASIN AREA - VEGETATION PLAN 1	●	●				
C-125C	BASIN AREA - VEGETATION PLAN 2	●	●				
C-125D	BASIN AREA - BOULDER PLAN	●	●				
C-126	BASIN AREA - PLANT DETAILS	●					
C-127	BASIN AREA - PLANT LIST	●	●				
C-128	POND OUTFALLS PLAN AND PROFILE	●	●				
C-129	BOONE STORM SEWER (EAST) PLAN AND PROFILE	●	●				
C-129B	BOONE STORM SEWER (WEST) PLAN AND PROFILE	●	●				
C-130	WALNUT STREET PLANTER P.1 PLAN AND PROFILE	●					
C-130B	WALNUT STREET PLANTER P.1 OVERFLOW PLAN AND PROFILE		●				
C-130C	WALNUT STREET PLANTER P.2 PLAN AND PROFILE		●				
C-130D	WALNUT STREET PLANTER P.2 OVERFLOW PLAN AND PROFILE		●				
C-131	WALNUT STREET PLANTER P.3 PLAN AND PROFILE	●					
C-131B	NOT USED						
C-132	THURMOND STREET PLANTER P.4 PLAN AND PROFILE	●					
C-132A	NOT USED						
C-133	BIORETENTION CELLS PLAN AND PROFILE	●					
C-301	WALNUT STREET PAVING SECTIONS (1 OF 4)		●				
C-302	WALNUT STREET PAVING SECTIONS (2 OF 4)		●				
C-303	WALNUT STREET PAVING SECTIONS (3 OF 4)		●				
C-304	WALNUT STREET PAVING SECTIONS (4 OF 4)		●				
C-305	THURMOND STREET PAVING SECTIONS (1 OF 2)		●				
C-306	THURMOND STREET PAVING SECTIONS (2 OF 2)		●				
C-501	SEWER DETAILS 1 OF 2	●					
C-502	SEWER DETAILS 2 OF 2	●					
C-503	WATER MAIN DETAILS 1 OF 2	●					
C-504	WATER MAIN DETAILS 2 OF 2	●					
C-505	DROP INLET DETAILS	●					
C-506	PRECAST MANHOLE DETAILS	●					
C-507	SITEWORK DETAILS	●					
C-508	SINGLE-WING CATCH BASIN DETAILS	●					
C-509	DOUBLE-WING CATCH BASIN DETAILS	●					

DRAWING NUMBER	SHEET NAME	REV. 0 - ISSUED FOR CONSTRUCTION 10/2/2017	REV. 1 - ISSUED FOR CONSTRUCTION 10/23/2017	REV. A - ISSUED FOR INFORMATION 10/23/2017			
C-510	NOT USED						
C-511	NOT USED						
C-512	NOT USED						
C-513	CROSSWALK DETAILS	●					
C-514	BIORETENTION DETAILS	●					
C-515	MISCELLANEOUS DETAILS	●					
C-515B	MISCELLANEOUS DETAILS	●					
C-516	STORMWATER PLANTER DETAILS	●					
C-517	WET POND DETAILS - PLANTING NOTES	●					
C-518	NOT USED						
C-519	OUTFALL GRATE DETAILS	●					
C-520	CISTERN GENERAL ARRANGEMENT	●					
C-521	NOT USED						
C-522	SITE DETAILS	●					
C-523	NOT USED						
C-524	GUARDRAIL AND HANDRAIL DETAILS	●					
C-525	WALL FINISH DETAILS	●					
C-526	FOUNTAIN DETAILS	●					
C-527	FOUNTAIN DETAILS	●					
C-528	PAVING DETAILS	●					
EF-001	POWER TO WATER FEATURE - CONTROL PANEL	●					
S-000	GENERAL NOTES		●				
S-001	GENERAL NOTES		●				
S-100	RETAINING WALL PLAN		●				
S-101	RETAINING WALL PLAN		●				
S-102	RETAINING WALL PLAN		●				
S-200	RETAINING WALL SECTIONS		●				
S-201	RETAINING WALL SECTIONS		●				
S-202	RETAINING WALL SECTIONS		●				
S-203	RETAINING WALL SECTIONS		●				
S-204	RETAINING WALL SECTIONS		●				
S-205	RETAINING WALL SECTIONS		●				
S-206	RETAINING WALL SECTIONS		●				
S-207	RETAINING WALL SECTIONS		●				
S-208	RETAINING WALL SECTIONS		●				
S-209	WALL PROFILES		●				
S-210	WALL PROFILES		●				
S-211	WALL PROFILES		●				
S-212	WALL PROFILES		●				
S-213	WALL PROFILES		●				
S-214	WALL PROFILES		●				
S-215	WALL PROFILES		●				
S-300	JUNCTION BOXES DS-1		●				
S-301	JUNCTION BOXES DS-1		●				
S-302	JUNCTION BOXES DS-4		●				
S-303	JUNCTION BOXES DS-4		●				
S-304	JUNCTION BOXES DS-7		●				
S-305	JUNCTION BOXES DS-7		●				

DRAWING NUMBER	SHEET NAME	REV. 0 - ISSUED FOR CONSTRUCTION 10/2/2017	REV. 1 - ISSUED FOR CONSTRUCTION 10/23/2017	REV. A - ISSUED FOR INFORMATION 10/23/2017			
S-306	JUNCTION BOXES DS-7A		●				
S-307	JUNCTION BOXES DS-7A		●				
S-308	JUNCTION BOXES DS-10A		●				
S-309	JUNCTION BOXES DS-10A		●				
S-310	JUNCTION BOXES DS-10		●				
S-311	JUNCTION BOXES DS-10		●				
S-312	JUNCTION BOXES DS-11		●				
S-313	JUNCTION BOXES DS-12		●				
S-314	JUNCTION BOXES DS-6A		●				
S-315	JUNCTION BOXES DS-6B		●				
S-316	JUNCTION BOXES DS-6A/B		●				
S-400	WALKWAYS			●			
S-401	WALKWAYS			●			
S-402	WALKWAYS			●			
S-403	WALKWAYS			●			
S-404	WALKWAYS			●			
S-405	WALKWAYS			●			
S-406	WALKWAYS			●			
S-407	WALKWAYS			●			
S-500	TYPICAL DETAILS		●				
S-501	TYPICAL DETAILS		●				
S-502	BRIDGE ABUTMENTS			●			
S-503	BRIDGE ABUTMENTS			●			

DRAWING NUMBER	SHEET NAME	FOR INFORMATION ONLY 10/2/2017					
L-700	IRRIGATION PLAN - OVERALL (BY OTHERS)	●					
L-701	IRRIGATION PLAN - PROJECT AREA 01 (BY OTHERS)	●					
L-702	IRRIGATION PLAN - PROJECT AREA 02 (BY OTHERS)	●					
L-703	IRRIGATION PLAN - PROJECT AREA 03 (BY OTHERS)	●					
L-704	IRRIGATION - SLEEVING PLAN (BY OTHERS)	●					
L-705	IRRIGATION DETAILS (BY OTHERS)	●					
L-706	IRRIGATION DETAILS (BY OTHERS)	●					
E-1	LEGEND, FIXTURE SCHEDULES, AND DETAILS (BY OTHERS)	●					
E-2	PARTIAL SITE PLAN - LIGHTING (BY OTHERS)	●					
E-3	PARTIAL SITE PLAN - LIGHTING (BY OTHERS)	●					
E-4	PARTIAL SITE PLAN - LIGHTING (BY OTHERS)	●					
E-5	OVERALL SITE PLAN - LIGHTING/POWER (BY OTHERS)	●					
E-6	PANEL SCHEDULES (BY OTHERS)	●					
E-7	CONTACTOR CONTROL SCHEMATIC (BY OTHERS)	●					
E-8	REFERENCE SHEET (BY OTHERS)	●					

Know what's below. Call before you dig.

GEORGIA REGISTERED No. PE 6710 PROFESSIONAL ENGINEER SUSAN U. MAY

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT

UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT

RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

CIVIL

DRAWING INDEX

CITY OF ATLANTA DEPARTMENT OF watershed management

jp2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	9/28/2017
1	ISSUED FOR CONSTRUCTION	10/8/2017

PROJECT NO: 7383-E
DESIGNED BY: GW
DRAWN BY: JC
CHECKED BY: SM
DATE: 9-25-2017
SCALE: NOTED

DRAWING NO.
G-001B

SHEET OF

ACAD Rel: 19.1s (LMS Tech)
Filename: O:\73_WS\T-2\G-001_DRAWING INDEX.dwg
Last Saved: 10/23/2017 4:19 PM Saved By: SMajor

EARLY WORK PACKAGE DRAWING INDEX

DRAWING NUMBER	SHEET NAME	REV. 0 - ISSUED FOR PERMITTING 9/25/2017	REV. 1 - ISSUED FOR CONSTRUCTION 10/23/2017
G-000	COVER SHEET AND PROJECT LOCATION MAP	●	
G-001A	DRAWING INDEX	●	●
G-001B	DRAWING INDEX		●
G-002	PROPERTY SURVEY MAP	●	
G-003	TOPOGRAPHIC SURVEY - SHEET 1 OF 4	●	
G-004	TOPOGRAPHIC SURVEY - SHEET 2 OF 4	●	
G-005	TOPOGRAPHIC SURVEY - SHEET 3 OF 4	●	
G-006	TOPOGRAPHIC SURVEY - SHEET 4 OF 4	●	
G-007	TOPOGRAPHIC SURVEY - SHEET 1 OF 1	●	
EC-000	COVER SHEET	●	
EC-001A	EROSION AND SEDIMENT CONTROL - OVERALL REMEDIATION PHASE - PHASE 1	●	●
EC-001B	EROSION AND SEDIMENT CONTROL - SEDIMENT BASIN #1 - PHASE 1	●	●
EC-001C	EROSION AND SEDIMENT CONTROL - MAIN REMEDIATION AREA - PHASE 1	●	●
EC-001D	EROSION AND SEDIMENT CONTROL - NORTHWEST REMEDIATION AREA - PHASE 1	●	●
EC-001E	EROSION AND SEDIMENT CONTROL - SOUTHWEST REMEDIATION AREA - PHASE 1	●	
EC-001F	EROSION AND SEDIMENT CONTROL - STOCKPILE AREA - PHASE 1	●	●
EC-001G	DELETED	●	
EC-001H	DELETED	●	
EC-001I	EROSION AND SEDIMENT CONTROL - STORM DRAIN PLAN - VINE & THURMOND STREETS	●	
EC-001J	EROSION AND SEDIMENT CONTROL - STORM DRAIN DETAILS - VINE & THURMOND STREETS	●	●
EC-001K	EROSION AND SEDIMENT CONTROL - EXISTING BRICK SEWER PROFILE - BETWEEN WALNUT AND VINE STREETS	●	●
EC-001L	EROSION AND SEDIMENT CONTROL - EXISTING BRICK SEWER PROFILE - ALONG VINE STREET	●	●
EC-002A	EROSION AND SEDIMENT CONTROL - OVERALL REMEDIATION PHASE - PHASE 2	●	●
EC-002B	EROSION AND SEDIMENT CONTROL - SEDIMENT BASIN #1 - PHASE 2	●	●
EC-002C	EROSION AND SEDIMENT CONTROL - MAIN REMEDIATION AREA - PHASE 2	●	●
EC-002D	EROSION AND SEDIMENT CONTROL - NORTHWEST REMEDIATION AREA - PHASE 2	●	●
EC-002E	EROSION AND SEDIMENT CONTROL - SOUTHWEST REMEDIATION AREA - PHASE 2	●	
EC-002F	EROSION AND SEDIMENT CONTROL - STOCKPILE AREA - PHASE 2	●	●
EC-003A	EROSION AND SEDIMENT CONTROL - OVERALL REMEDIATION PHASE - PHASE 3	●	●
EC-003B	EROSION AND SEDIMENT CONTROL - SEDIMENT BASIN #1 - PHASE 3	●	●
EC-003C	EROSION AND SEDIMENT CONTROL - MAIN REMEDIATION AREA - PHASE 3	●	●
EC-003D	EROSION AND SEDIMENT CONTROL - NORTHWEST REMEDIATION AREA - PHASE 3	●	
EC-003E	EROSION AND SEDIMENT CONTROL - SOUTHWEST REMEDIATION AREA - PHASE 3	●	●
EC-003F	EROSION AND SEDIMENT CONTROL - STOCKPILE AREA - PHASE 3	●	●
EC-004	NPDES NOTE SHEET	●	
EC-005	NPDES MAP SHEET	●	
EC-006	NPDES NOTE SHEET	●	
EC-007	SCANNED DOCUMENTS SHEET	●	
EC-008	ESPC STANDARD DETAILS	●	
EC-009	ESPC STANDARD DETAILS	●	
EC-010	ESPC STANDARD DETAILS	●	
EC-011	ESPC STANDARD DETAILS	●	

DRAWING NUMBER	SHEET NAME	REV. 0 - ISSUED FOR PERMITTING 9/25/2017	REV. 1 - ISSUED FOR CONSTRUCTION 10/23/2017
EC-012	ESPC STANDARD DETAILS	●	
EC-013	ESPC STANDARD DETAILS - VEGETATIVE	●	
EC-014	ESPC STANDARD DETAILS - VEGETATIVE	●	
C-101	EXISTING CONDITIONS PLAN AND PROJECT LIMITS	●	
C-102A	EARLY WORK PACKAGE -TREE REMOVAL PLAN 1 OF 3		●
C-102B	EARLY WORK PACKAGE -TREE REMOVAL PLAN 2 OF 3		●
C-102C	EARLY WORK PACKAGE -TREE REMOVAL PLAN 3 OF 3		●
C-103A	SITE DEMOLITION PLAN (1 OF 2)	●	
C-103B	SITE DEMOLITION PLAN (2 OF 2)	●	
R-101	REMEDIATION PLAN - EXISTING SOIL DATA	●	
R-102	REMEDIATION PLAN - ESTIMATED EXCAVATION LIMITS	●	
R-103	REMEDIATION PLAN - ESTIMATED EXCAVATION BOTTOM GRADES	●	
R-104	REMEDIATION PLAN - EXCAVATION CONFIRMATION SAMPLING PLAN	●	

STORM WATER POND DRAWING INDEX

DRAWING NUMBER	SHEET NAME	REV. 0 - ISSUED FOR CONSTRUCTION 10/2/2017	REV. 1 - ISSUED FOR CONSTRUCTION 10/23/2017
ECF-000	COVER SHEET	●	
ECF-001	EROSION AND SEDIMENT CONTROL PHASE 1	●	
ECF-002A/B	EROSION AND SEDIMENT CONTROL PHASE 2A & 2B	●	
ECF-003	EROSION AND SEDIMENT CONTROL PHASE 3	●	
ECF-004	NPDES NOTE SHEET	●	
ECF-005	NPDES MAP SHEET	●	
ECF-006	NPDES NOTE SHEET	●	
ECF-007	SCANNED DOCUMENTS SHEET	●	
ECF-008	ESPC STANDARD DETAILS	●	
ECF-009	ESPC STANDARD DETAILS	●	
ECF-010	ESPC STANDARD DETAILS	●	
ECF-011	ESPC STANDARD DETAILS	●	
ECF-012	ESPC STANDARD DETAILS	●	
ECF-013	ESPC STANDARD DETAILS - VEGETATIVE	●	
ECF-014	ESPC STANDARD DETAILS - VEGETATIVE	●	
C-102D	TREE REMOVAL PLAN (1 OF 3)	●	
C-102E	TREE REMOVAL PLAN (2 OF 3)	●	
C-102F	TREE REMOVAL PLAN (3 OF 3)	●	
C-104A	SITE PLAN	●	
C-104B	NOT USED		
C-104C	LAYOUT PLAN	●	●
C-104D	FOUNTAIN ENLARGEMENT PLAN	●	●
C-104E	COORDINATES FOR LAYOUT PLANS	●	
C-104F	RAILS PLAN	●	●
C-105A	DRAINAGE AREA MAP		●
C-105A1	WATER QUALITY DRAINAGE AREA MAP		●
C-105B	HYDRAULIC CALCULATIONS		●
C-105C	WATER QUALITY CALCULATIONS		●
C-105D	DRAINAGE PLAN		●
C-106A	SITE GRADING PLAN (1 OF 2)	●	●
C-106B	SITE GRADING PLAN (2 OF 2)	●	●
C-107	WALNUT STREET PLAN AND PROFILE STA 0+00 TO 4+50	●	●
C-108	WALNUT STREET PLAN AND PROFILE STA 4+50 TO END	●	●
C-109	WALNUT STREET DRIVEWAYS PLAN AND PROFILE	●	●
C-109A	WALNUT STREET DRIVEWAYS PLAN AND PROFILE	●	●
C-110	THURMOND STREET PLAN AND PROFILE	●	●
C-110A	THURMOND STREET TYPICAL SECTIONS	●	●
C-110B	THURMOND STREET DRIVEWAYS PLAN AND PROFILE	●	●
C-111	VINE STREET PLAN AND PROFILE	●	●
C-112	96-IN COMBINED SEWER PLAN AND PROFILE	●	●
C-113	60-IN STORM SEWER PLAN AND PROFILE	●	●
C-114A	48-IN STORM SEWER PLAN AND PROFILE	●	●
C-114B	48-IN STORM SEWER LATERAL TIE-IN PLAN AND PROFILE (1 OF 4)	●	●

Know what's below. Call before you dig.

GEORGIA REGISTERED PROFESSIONAL ENGINEER SUSAN U. MAJOR

CITY OF ATLANTA DEPARTMENT OF watershed management

JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

CIVIL

DRAWING INDEX

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	9/25/2017
1	ISSUED FOR CONSTRUCTION	10/6/2017

PROJECT NO: 7383-E
DESIGNED BY: GW
DRAWN BY: JC
CHECKED BY: SM
DATE: 9-25-2017
SCALE: NOTED

DRAWING NO.
G-001A

SHEET OF

ACAD Rel: 19.1s (LMS Tech)
Filename: O:\73_WS\T-2\G-001_DRAWING INDEX.dwg
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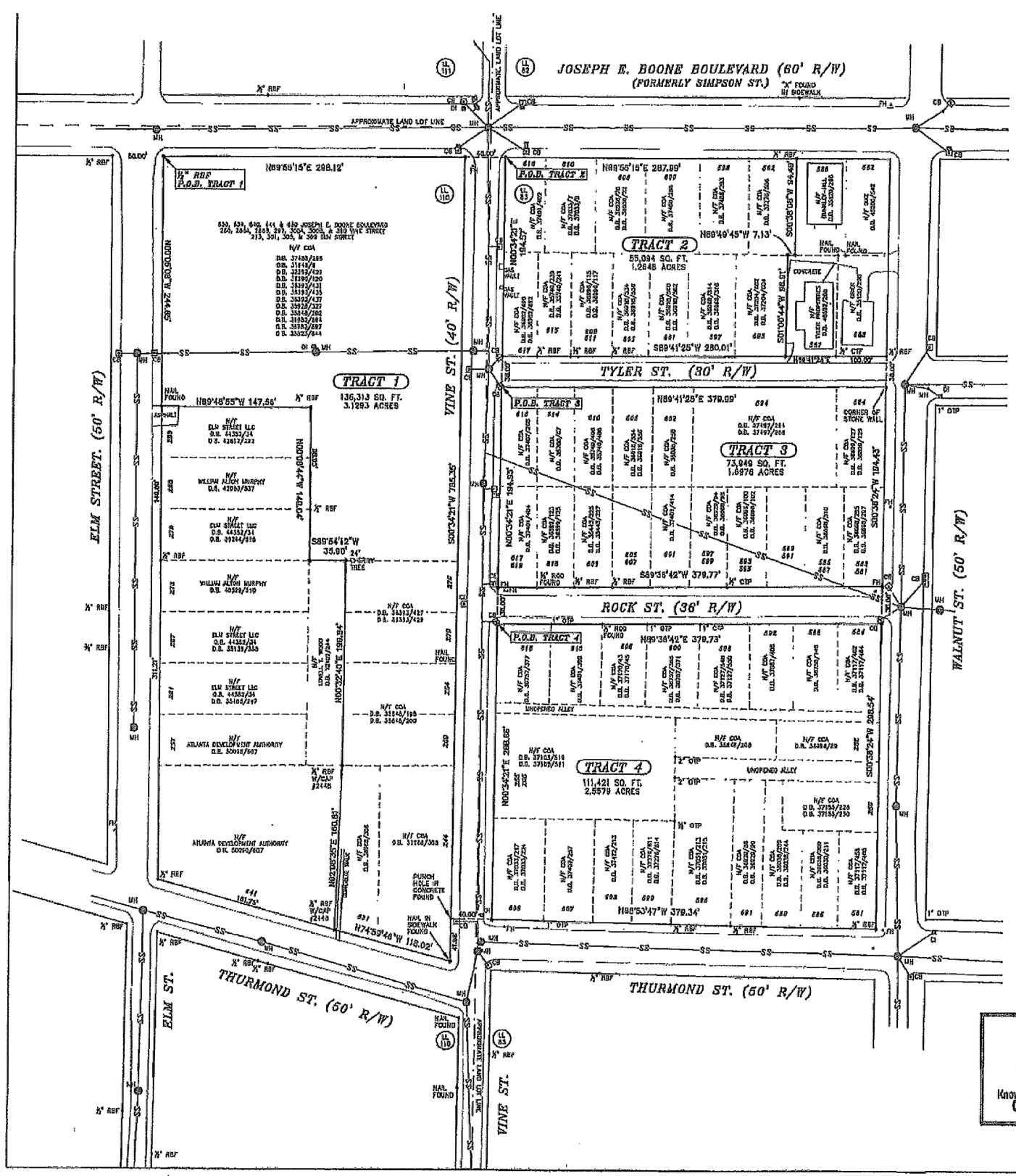
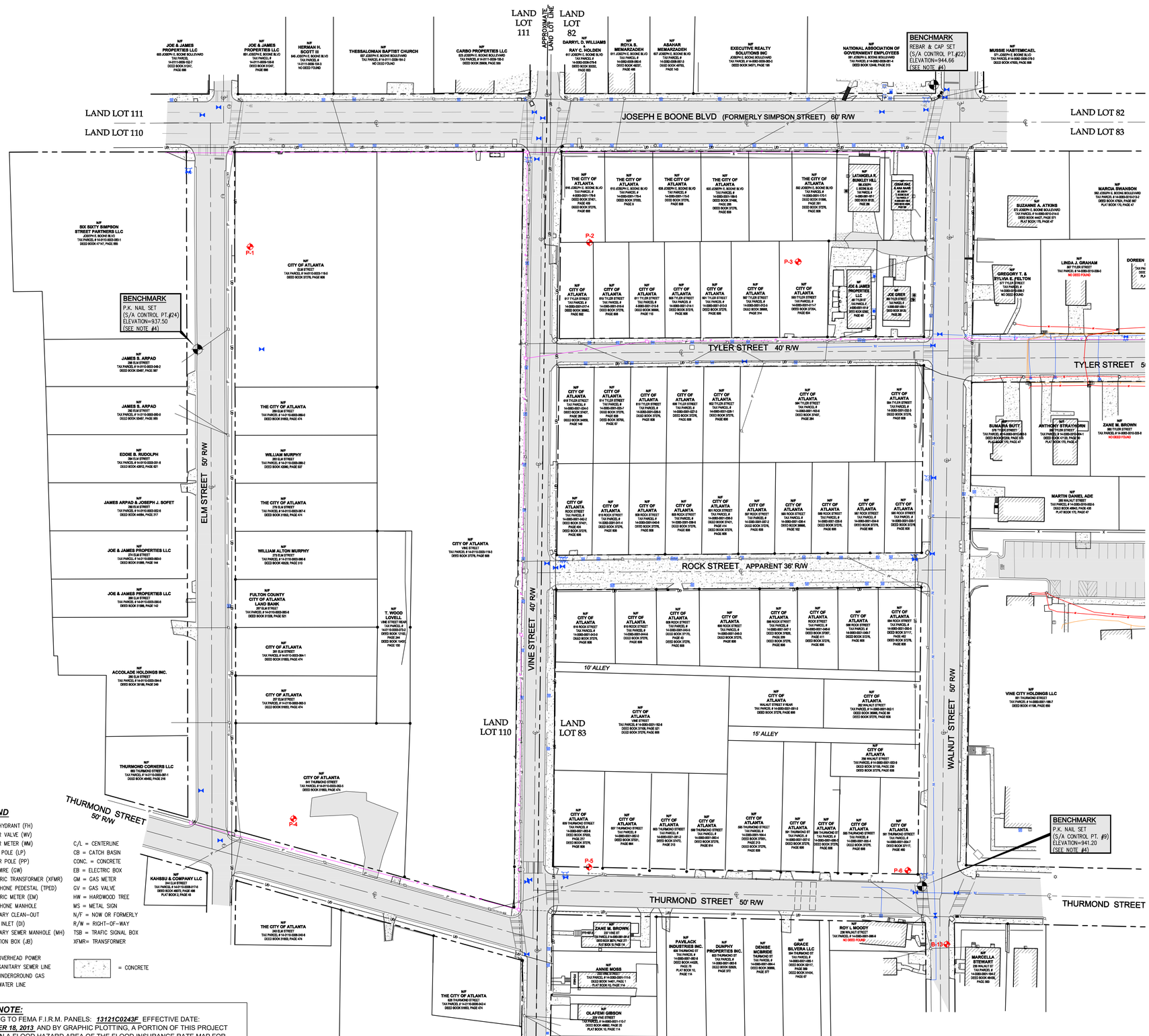
Plot Date: 10/23/2017 4:52 PM Plot By: SMajor Filename: O:\73_WS\T-2\G-001_DRAWING INDEX.dwg


JOSEPH E. BOONE BOULEVARD (60' R/W)
(FORMERLY SIMPSON ST.)
APPROXIMATE LAND LOT LINE
N89°59'15"E 298.12'
P.O.B. TRACT 1
TRACT 1
136,313 SQ. FT.
3.1293 ACRES
N89°48'55"W 147.56'
S89°54'12"W
35.90' +/-
N00°34'21"W 785.36'
VINE ST. (40' R/W)
ELM STREET. (50' R/W)
N00°32'40"E 198.24'
N00°32'40"E 150.85'
N74°59'48"W 118.02'
P.O.B. TRACT 2
N89°55'15"E 287.89'
N89°49'45"W 7.13'
N00°34'21"E 194.57'
TRACT 2
55,094 SQ. FT.
1.2648 ACRES
S89°41'25"W 280.01'
S00°36'26"W 194.49'
S00°06'44"W 98.57'
TYLER ST. (30' R/W)
P.O.B. TRACT 3
N89°41'25"E 379.99'
TRACT 3
73,949 SQ. FT.
1.6976 ACRES
N00°34'21"E 194.55'
S89°36'42"W 379.77'
S00°36'24"W 194.49'
ROCK ST. (36' R/W)
P.O.B. TRACT 4
N89°36'42"E 379.73'
TRACT 4
111,421 SQ. FT.
2.5579 ACRES
N00°34'21"E 296.68'
N88°53'47"W 379.34'
S00°36'24"W 296.54'
WALNUT ST. (50' R/W)
THURMOND ST. (50' R/W)
VINE ST.
ELM ST.
N/F CDA
D.B. 37489/285
D.B. 31548/8
D.B. 35359/123
D.B. 28190/120
D.B. 35393/131
D.B. 35359/135
D.B. 35393/137
D.B. 35528/327
D.B. 35548/282
D.B. 31852/284
D.B. 35352/697
D.B. 35352/644
N/F ELM STREET LLC D.B. 44353/34 D.B. 42612/232
N/F WILLIAM ALTON MURPHY D.B. 42959/519
N/F ELM STREET LLC D.B. 44353/34 D.B. 43244/316
N/F ELM STREET LLC D.B. 44353/34 D.B. 35102/249
N/F ATLANTA DEVELOPMENT AUTHORITY D.B. 30010/607
N/F CDA D.B. 34933/427 D.B. 31131/429
N/F CDA D.B. 35648/198 D.B. 35648/200
N/F CDA D.B. 35102/308
N/F CDA D.B. 35648/202
N/F CDA D.B. 35648/202
N/F CDA D.B. 37165/516 D.B. 37305/561
N/F CDA D.B. 35648/208
N/F CDA D.B. 37155/226 D.B. 37155/230
N/F CDA D.B. 37497/284 D.B. 37497/286
N/F CDA D.B. 37407/202
N/F BRANDON HILL D.B. 35359/286
N/F CDA D.B. 40592/542
N/F BRANDON HILL D.B. 46592/280
N/F CDA D.B. 37204/227
N/F CDA D.B. 37204/224
N/F CDA D.B. 37117/402 D.B. 37117/404
N/F CDA D.B. 37117/405 D.B. 37117/406
N/F CDA D.B. 37117/408 D.B. 37117/410
N/F CDA D.B. 37117/411 D.B. 37117/412
N/F CDA D.B. 37117/413 D.B. 37117/414
N/F CDA D.B. 37117/415 D.B. 37117/416
N/F CDA D.B. 37117/417 D.B. 37117/418
N/F CDA D.B. 37117/419 D.B. 37117/420
N/F CDA D.B. 37117/421 D.B.



LEGEND

- FIRE HYDRANT (FH)
- WATER VALVE (WV)
- WATER METER (WM)
- LIGHT POLE (LP)
- POWER POLE (PP)
- GUY WIRE (GW)
- ELECTRIC TRANSFORMER (XFMR)
- TELEPHONE PEDESTAL (TPED)
- ELECTRIC METER (EM)
- TELEPHONE MANHOLE
- SANITARY CLEAN-OUT
- DROP INLET (DI)
- SANITARY SEWER MANHOLE (MH)
- JUNCTION BOX (JB)

C/L = CENTERLINE
CB = CATCH BASIN
CONC. = CONCRETE
EB = ELECTRIC BOX
GM = GAS METER
GV = GAS VALVE
HW = HARDWOOD TREE
MS = METAL SIGN
N/F = NOW OR FORMERLY
R/W = RIGHT-OF-WAY
TSB = TRAFIC SIGNAL BOX
XFMR= TRANSFORMER

— P — OVERHEAD POWER
— SS — SANITARY SEWER LINE
— UG — UNDERGROUND GAS
— W — WATER LINE

= CONCRETE

FLOOD NOTE:

ACCORDING TO FEMA F.I.R.M. PANELS: ***13121C0243F*** EFFECTIVE DATE: ***SEPTEMBER 18, 2013*** AND BY GRAPHIC PLOTTING, A PORTION OF THIS PROJECT LIES WITHIN A FLOOD HAZARD AREA OF THE FLOOD INSURANCE RATE MAP FOR ***FULTON COUNTY, GEORGIA***.

TOPOGRAPHIC SURVEY FOR CITY OF ATLANTA UPPER PROCTOR CREEK PHASE 2 CAPACITY RELIEF TRUNK LINE

LAND LOT 83 & 110, 14th DISTRICT
FULTON COUNTY, GEORGIA
CITY OF ATLANTA

SURVEYOR'S NOTES

1. A TOPCON GTS-302 (TOTAL STATION), TOPCON TRAVERSING EQUIPMENT, A 200 FOOT TAPE, AND SPECTRA PRECISION SP80 GPS RECEIVER WAS USED TO OBTAIN THE ANGULAR AND LINEAR MEASUREMENTS FOR THIS SURVEY.
2. THE FIELD DATA UPON WHICH THIS PLAT IS BASED HAS A CLOSURE PRECISION OF ONE FOOT IN ***107,775*** FEET, AN ANGULAR ERROR OF ***04*** SECOND PER ANGLE POINT, AND WAS ADJUSTED USING THE COMPASS RULE.
3. NO N.G.S. MONUMENT WAS FOUND WITHIN 500 FEET OF ANY POINT ON THE SUBJECT PROPERTY.
4. THE HORIZONTAL DATUM IS THE NORTH AMERICAN DATUM OF 1983 READJUSTED IN 2011 (NAD83 (2011)). THE VERTICAL DATUM IS NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) VIA SIGNAL CORRECTIONS FROM THE eGPS VRS CORS NETWORK.
5. ACCORDING TO THE FLOOD INSURANCE RATE MAPS (F.I.R.M.) OF FULTON COUNTY, PANEL NUMBER ***13121C0243F***, DATED ***SEPTEMBER 18, 2013***, THIS PROJECT **IS** LOCATED IN A FLOOD HAZARD AREA.
6. UNDERGROUND UTILITY LOCATIONS BASED ON ABOVE GROUND EVIDENCE AND PAINT MARKS. SOURCE OF MARKINGS UNKNOWN.
7. THE FIRM OF SEILER & ASSOCIATES, INC DOES NOT CERTIFY TO THE CORRECTNESS OR ACCURACY OF THE UNDERGROUND UTILITIES SHOWN OR NOT SHOWN HEREON. CONTACT THE UTILITY PROTECTION CENTER (800-282-7411) PRIOR TO ANY DIGGING.

SURVEYOR'S REFERENCES

1. LINE LOCATE EXHIBIT PROVIDED BY ATLANTA GAS LIGHT, DATED SEPTEMBER 21, 2015, DEPICTING APPROXIMATE LOCATION, SIZE, & MATERIAL OF UNDERGROUND GAS LINES.
2. ALIGNMENT PLAN, PROVIDED BY DWAYNE CHEATOM, SKYLINE ENGINEERING & CONSTRUCTION, SEPTEMBER 14, 2015, SHOWING APPROXIMATE LOCATION OF NEW BOREHOLES.

BOREHOLE	***NORTH***	***EAST***	***ELEV***
P-1-CAP	1368937.52	2223007.59	938.24
P-2-STAKE	1368941.90	2223360.31	925.16
P-3-HOLE	1368921.97	2223577.10	927.89
P-4-CAP	1368343.00	2223052.66	941.70
P-5-CAP	1368292.68	2223359.69	929.37
P-6-CAP	1368289.19	2223691.08	940.36

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TOPOGRAPHIC SURVEY
CITY OF ATLANTA
RODNEY COOK, SR. PARK

GEORGIA REGISTERED 2388 PROFESSIONAL LAND SURVEYOR KEITH SEILER
4-11-17

NO.	DESCRIPTION	DATE	BY	APPR.
1	REVISED PARK NAME	3-17-17	KS	KS
2	CLARIFIED RT-K4 INVERT INFO	3-30-17	KS	KS

DATE: MARCH 3, 2016
SCALE: HORIZ. 1" = 50'
VERT.: N/A
FIELD BOOK: PROJECT
LAND LOT(S): PARTS OF LAND LOTS 83 & 110
DISTRICT: 14th
SECTION: N/A
COUNTY: FULTON (CITY OF ATLANTA)
SURVEYED: KB, BM, AC, JK, EB
DRAWN: BM, BK
CHECKED: KS
APPROVED: KS
PROJECT NO.: 15-035-G
DWG NAME: 15035-220-001_3-d.dwg

SHEET 1 OF 4

G-003

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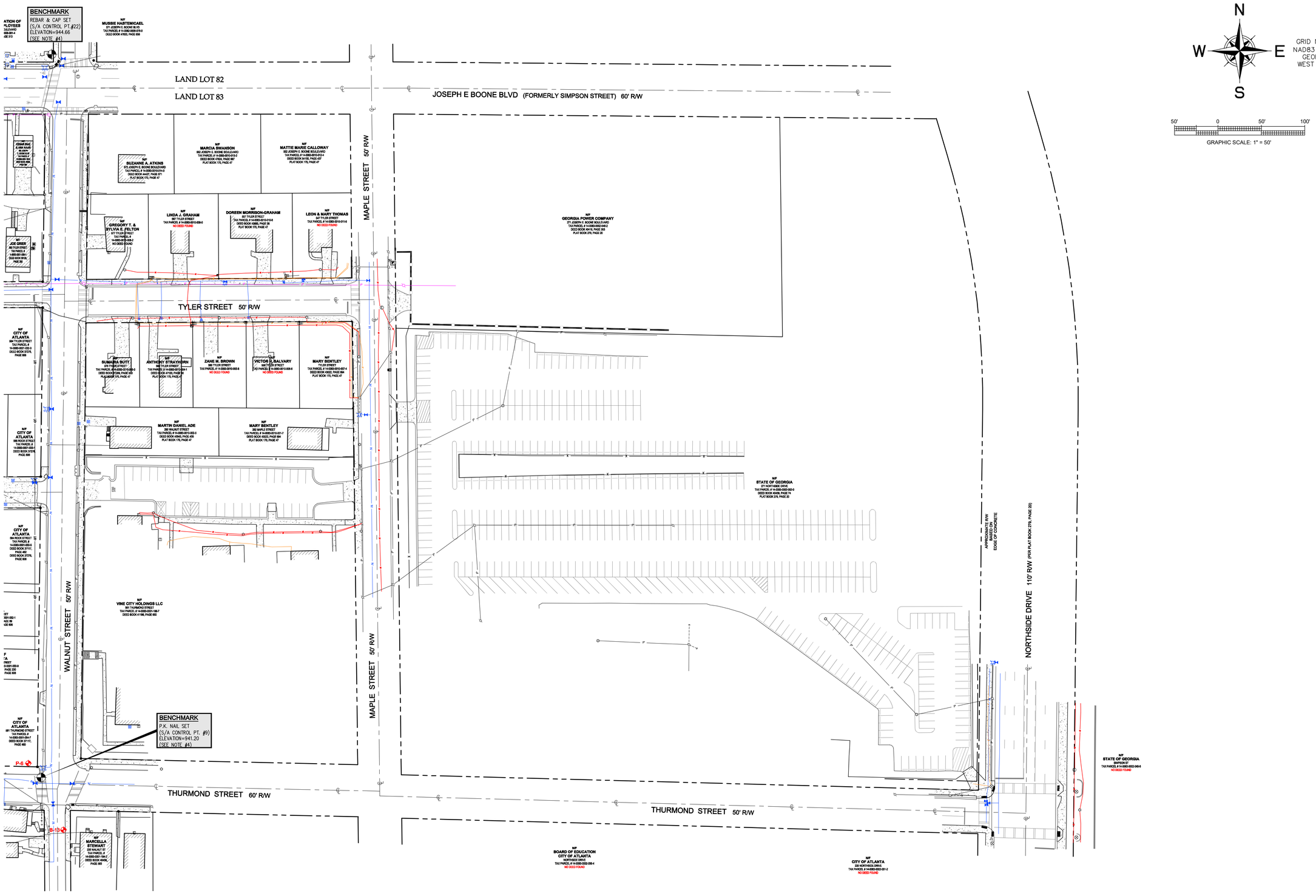

FLOOD NOTE:
ACCORDING TO FEMA F.I.R.M. PANELS: ***13121C0243F*** EFFECTIVE DATE: ***SEPTEMBER 18, 2013*** AND BY GRAPHIC PLOTTING, A PORTION OF THIS PROJECT LIES WITHIN A FLOOD HAZARD AREA OF THE FLOOD INSURANCE RATE MAP FOR ***FULTON COUNTY, GEORGIA***.

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TOPOGRAPHIC SURVEY
CITY OF ATLANTA
RODNEY COOK, SR. PARK

GEORGIA REGISTERED PROFESSIONAL LAND SURVEYOR 2386 KEITH SEILER
4-11-17

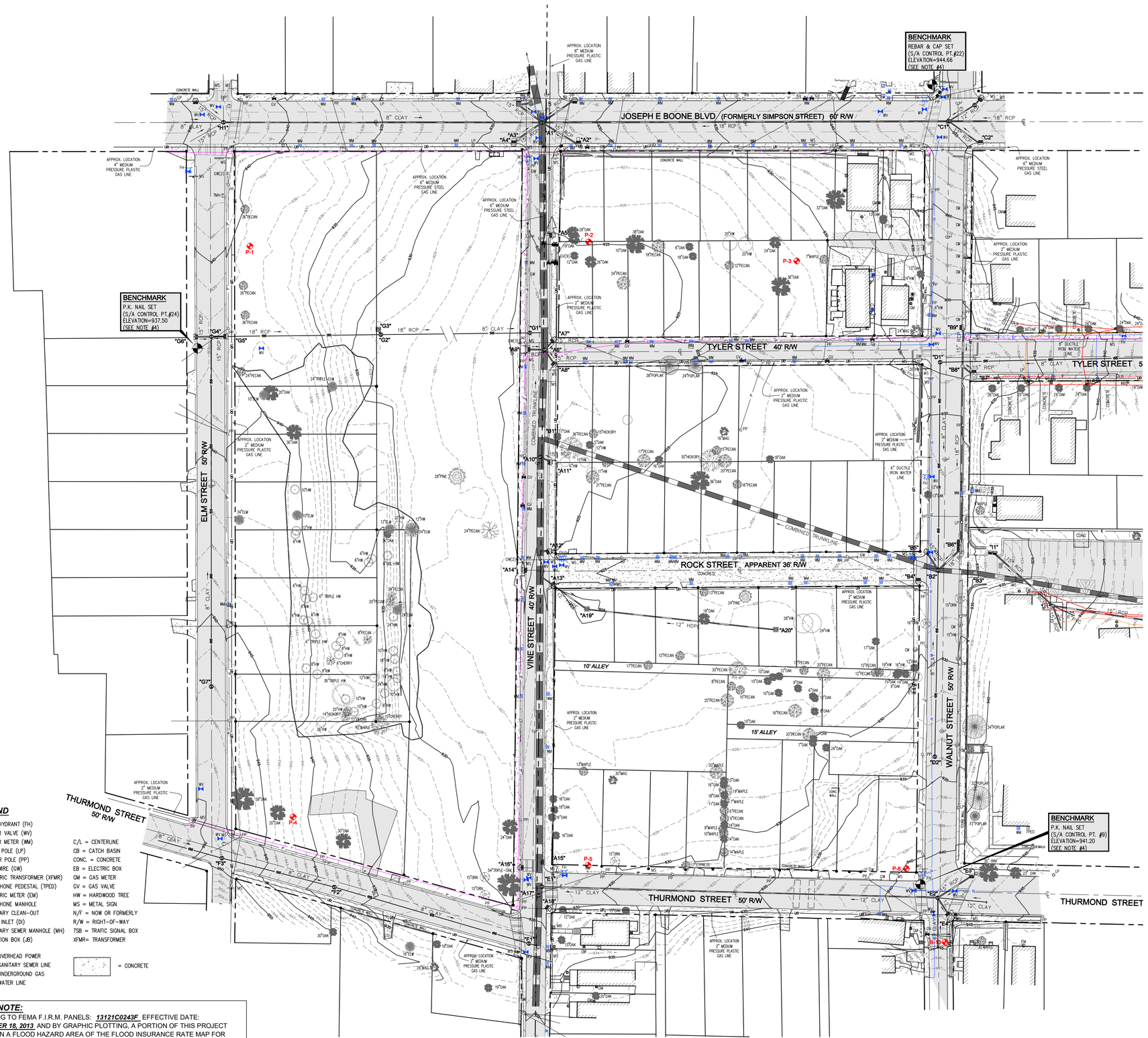
NO.	DESCRIPTION	DATE	BY	APPR.
1	PARK NAME CHANGE	3-17-17	KS	KS
2	CLARIFIED K1-K4 INVERT INFO	3-30-17	KS	KS
3	CLARIFIED INVERT INFO FOR #P1, B12, L5, L6 & MI	4-11-17	KS	KS

DATE: MARCH 3, 2016
SCALE: HORIZ.: 1" = 50'
VERT.: N/A
FIELD BOOK: PROJECT
FIELD SURVEY: MARCH 3, 2016
LAND LOT(S): 82 & 83
DISTRICT: 14th
SECTION: N/A
COUNTY: FULTON (CITY OF ATLANTA)
SURVEYED: KB, BM, AC, JK, EB
DRAWN: BM, BK
CHECKED: KS
APPROVED: KS
PROJECT NO.: 15-035-G
DWG NAME: 15035-220-001-3-d.dwg

SHEET 2 OF 4

G-004

F:\Land Projects\PA\15035\dwg\15035-220-001-3-d.dwg, SHEET-2-PARCELS, keither, Apr 11, 2017 - 1:10:51pm



N
W E
S

GRID NORTH
NAD83 (2011)
GEORGIA
WEST ZONE

50' 0 50' 100'

GRAPHIC SCALE: 1" = 50'

SSMH "A1"
TOP= 928.83
INV IN (NE)=921.58
INV IN (SE)=921.18
INV IN (SW)=921.75
INV IN (E)=916.12
INV IN (NW)=921.68
INV OUT (E)=908.96

CB "A2"
TOP= 928.98
GRATE= 928.42
INV = 924.39

JB "A3"
TOP= 928.42
INV IN (S)=925.48
INV OUT (NE)=925.15

CB "A4"
TOP= 928.79
GRATE= 928.35
INV = 925.59

CB "A5"
TOP= 924.96
THROAT= 923.87
FULL OF DEBRIS

SSMH "A6"
TOP= 922.96
INV IN (S)=909.79
INV OUT (N)=909.27

CB "A7"
TOP= 923.28
THROAT= 922.13
INV = 918.36

CB "A8"
TOP= 923.04
THROAT= 922.25
INV = 917.62

CB "A9"
TOP= 923.09
GRATE= 922.52
FULL OF DEBRIS

SSMH "A10"
TOP= 923.68
GRATE= 928.02
INV = 910.48

CB "A11"
TOP= 923.73
THROAT= 922.77
INV = 919.29

CB "A12"
TOP= 925.10
THROAT= 924.01
INV = 919.75

CB "A13"
TOP= 925.05
THROAT= 923.80
INV (SE) = 922.70
INV OUT = 919.78

CB "A14"
TOP= 925.29
GRATE= 924.53
FULL OF DEBRIS

INLET "A15"
TOP= 928.50
GRATE= 928.02
FULL OF DEBRIS

CB "A16"
TOP= 928.56
GRATE= 927.89
FULL OF DEBRIS

SSMH "A17"
TOP= 929.17
INV = 914.72

CB "A18"
TOP= 929.83
GRATE= 928.69
INV = 924.08

DI "A19"
TOP= 924.57
INV IN (E) = 922.87
INV OUT = 922.82

DI "A20"
TOP= 925.39
INV OUT = 923.87

TEE "B1"
APPROXIMATE
INV = 910+/-

SSMH "B2"
TOP= 928.08
INV IN (NE)= 922.28
INV IN (E)= 916.68
INV IN (S)= 922+/-
INV IN (NW)= 923.18
INV IN (N)= 921.4+/-
INV OUT (NW)= 916.33

JB "B3"
TOP= 929.66
INACCESSIBLE

CB "B4"
TOP= 928.15
THROAT= 927.22
INV = 923.52
NO PIPE VISIBLE

CB "B5"
TOP= 928.36
THROAT= 927.48
INV = 923.68

CB "B6"
TOP= 928.36
GRATE= 927.66
INV = 922.88

INLET "B7"
TOP= 931.31
GRATE= 930.69
FULL OF DEBRIS

JB "B8"
TOP= 931.37
INV IN (SE)=926.71
INV IN (N)=926.24
INV OUT (S)=926.15

CB "B9"
TOP= 933.69
GRATE= 933.10
INV= 927.48

SSMH "C1"
TOP= 944.98
INV IN (NE)=938.98
INV IN (SE)=938.98
INV IN (E)=933.70
INV OUT (W)=933.49

CB "C2"
TOP= 946.15
GRATE= 945.61
INV= 942.83

SSMH "D1"
TOP= 931.43
INV IN (E)= 924.94
TABLE= 925.73
INV OUT (S)= 924.83

SSMH "D2"
TOP= 933.60
INV= 927.60

SSMH "E1"
TOP= 928.85
INV IN (E)= 920.30
TABLE = 921.80
INV OUT (W)= 919.85

SSMH "E2"
TOP= 942.08
INV IN (NE)= 936.18
INV IN (E)= 933.97
INV IN (SE)= 935.78
INV IN (S)= 935.53
TABLE= 934.98
INV OUT= 933.56

INLET "E3"
TOP= 943.38
GRATE= 942.88
INV OUT= 939.18

CB "E4"
TOP= 942.40
GRATE= 941.62
INV OUT= 938.62

SSMH "F1"
TOP= 931.43
INV IN (W)=923.12
INV OUT (E)=923.03

SSMH "F2"
TOP= 938.35
INV IN (W)= 927.36
INV OUT (E)= 927.30

SSMH "F3"
TOP= 949.04
INV IN (W)= 942.08
INV OUT (E)= 941.94

SSMH "G1"
TOP= 922.92
INV IN (W) = 914.92
TABLE = 916.07
INV OUT (SE) = 914.67

SSMH "G2"
TOP= 927.97
INV IN (W) = 924.31
INV OUT (E) = 919.67

DROP INLET "G3"
TOP= 928.01
FULL OF DEBRIS

SSMH "G4"
TOP= 937.73
INV IN (W) = 931.46
INV IN (S) = 926.03
INV IN (E) = 931.38
INV OUT (E) = 925.12

CB "G5"
TOP= 937.61
THROAT= 936.87
INV = 932.57

CB "G6"
TOP= 937.66
THROAT= 936.90
INV = 932.56

SSMH "G7"
TOP= 947.04
INV = 936.14

SSMH "H1"
TOP= 943.32
INV IN (W)=931.27
INV IN (NW)=937.17
INV IN (SW)=937.17
INV OUT (E)=931.26

BOREHOLE	NORTH	EAST	ELEV
P-1-CAP	1368937.52	2223007.59	938.24
P-2-STAKE	1368941.90	2223360.31	925.16
P-3-HOLE	1368921.97	2223577.10	927.89
P-4-CAP	1368343.00	2223052.66	941.70
P-5-CAP	1368292.68	2223359.69	929.37
P-6-CAP	1368289.19	2223691.08	940.36

LEGEND

- FIRE HYDRANT (FH)
- WATER VALVE (WV)
- WATER METER (WM)
- LIGHT POLE (LP)
- POWER POLE (PP)
- GUY WIRE (GW)
- ELECTRIC TRANSFORMER (XFMR)
- TELEPHONE PEDESTAL (TPED)
- ELECTRIC METER (EM)
- TELEPHONE MANHOLE
- SANITARY CLEAN-OUT
- DROP INLET (DI)
- SANITARY SEWER MANHOLE (MH)
- JUNCTION BOX (JB)

C/L = CENTERLINE
CB = CATCH BASIN
CONC. = CONCRETE
EB = ELECTRIC BOX
GM = GAS METER
GV = GAS VALVE
HW = HARDWOOD TREE
MS = METAL SIGN
N/F = NOW OR FORMERLY
R/W = RIGHT-OF-WAY
TSB = TRAFIC SIGNAL BOX
XFMR= TRANSFORMER

— P — OVERHEAD POWER
— SS — SANITARY SEWER LINE
— UG — UNDERGROUND GAS
— W — WATER LINE

= CONCRETE

FLOOD NOTE:
ACCORDING TO FEMA F.I.R.M. PANELS: ***13121C0243F*** EFFECTIVE DATE: ***SEPTEMBER 18, 2013*** AND BY GRAPHIC PLOTTING, A PORTION OF THIS PROJECT LIES WITHIN A FLOOD HAZARD AREA OF THE FLOOD INSURANCE RATE MAP FOR ***FULTON COUNTY, GEORGIA***.

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TOPOGRAPHIC SURVEY
CITY OF ATLANTA
RODNEY COOK, SR. PARK

GEORGIA REGISTERED PROFESSIONAL LAND SURVEYOR 2388 KEITH SEILER
4-11-17

NO.	DESCRIPTION	DATE	BY	APPR.
1	PARK NAME CHANGE	3-17-17	KS	KS
2	CLARIFIED K1-K4 INVERT INFO	3-30-17	KS	KS
3	CLARIFIED INVERT INFO FOR #911, 912, L5, L6 & M1	4-11-17	KS	KS

SHEET 3 OF 4

DATE: MARCH 3, 2016
SCALE: HORIZ: 1" = 50'
VERT.: N/A
FIELD BOOK: PROJECT
LAST FIELD SURVEY: MARCH 3, 2016
LAND LOT(S): 8,9 & 10
DISTRICT: 14th
SECTION: N/A
COUNTY: FULTON (CITY OF ATLANTA)
SURVEYED: KB, BM, AC, JK, EB
DRAWN: BM, BK
CHECKED: KS
APPROVED: KS
PROJECT NO.: 15-035-G
DWG NAME: 15035-220-001-3-4.dwg

G-005

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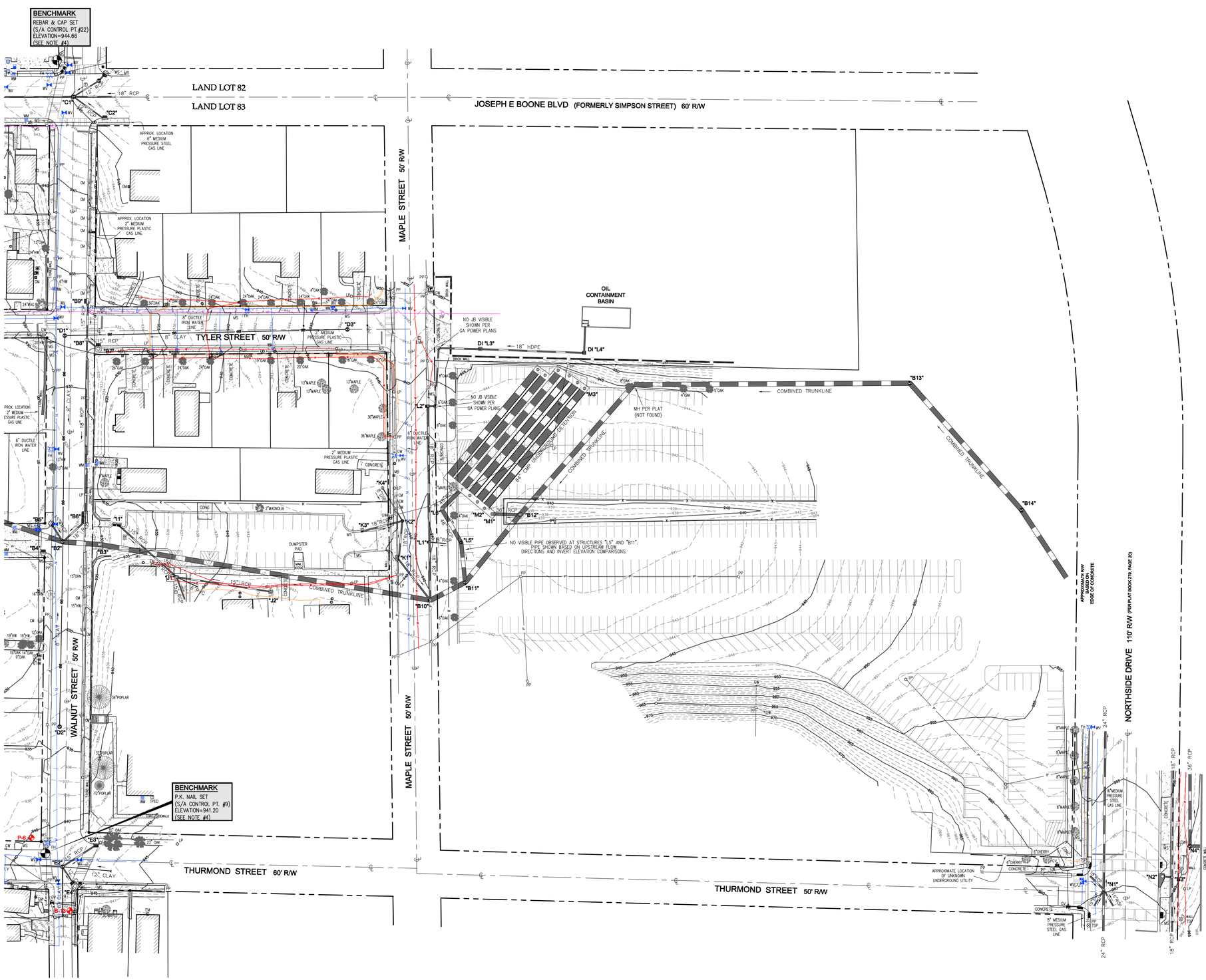

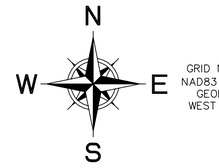

50' 0 50' 100'

GRAPHIC SCALE: 1" = 50'

TEE "B1"
APPROXIMATE
INV = 910+/-

SSMH "B2"
TOP= 928.08
INV IN (NE)= 922.28
INV IN (E)= 916.68
INV IN (S)= 922+/-
INV IN (NW)= 923.18
INV IN (N)= 921.4+/-
INV OUT (NW)= 916.33

JB "B3"
TOP= 922.66
INACCESSIBLE

CB "B4"
TOP= 928.15
THROAT= 927.22
INV = 923.52
NO PIPE VISIBLE

CB "B5"
TOP= 928.36
THROAT= 927.48
INV = 923.68

CB "B6"
TOP= 928.36
GRATE= 927.66
INV = 922.88

INLET "B7"
TOP= 931.31
GRATE= 930.69
FULL OF DEBRIS

JB "B8"
TOP= 931.37
INV IN (SE)=926.71
INV IN (N)=926.24
INV OUT (S)=926.15

CB "B9"
TOP= 933.69
GRATE= 933.10
INV= 927.48

CB "B10"
TOP= 940.63
THROAT=940.21
INV IN (NW)= 936.18
(FROM "K1" SOUTH)
INV IN(N)= 932.99 (FROM "L1")
MAIN TRUNK LINE= 924.96 (IN FROM "B11"; OUT TO "B5")

JB "B11"
TOP= 941.42
CL= 929.22
(NO PIPE VISIBLE FROM L5)

WI "B12"
TOP= 938.30
INV (36" RCP) OUT
= 929.76 (TO M1)
(NO OTHER PIPES VISIBLE)

JB "B13"
TOP= 954.45
CL= 929.65

JB "B14"
TOP= 954.87
CL= 931.77

SSMH "C1"
TOP= 944.98
INV IN (NE)=938.98
INV IN (SE)=938.98
INV IN (E)=933.70
INV OUT (W)=933.49

CB "C2"
TOP= 946.15
GRATE= 945.61
INV= 942.83

SSMH "D1"
TOP= 931.43
INV IN (E)= 924.94
TABLE= 925.73
INV OUT (S)= 924.83

SSMH "D2"
TOP= 933.60
INV= 927.60

SSMH "D3"
TOP= 946.22
INV OUT= 937.07

SSMH "E1"
TOP= 928.85
INV IN (E)= 920.30
TABLE = 921.80
INV OUT (W)= 919.85

SSMH "E2"
TOP= 942.08
INV IN (NE)= 936.18
INV IN (E)= 933.97
INV IN (SE)= 935.78
INV IN (S)= 935.53
TABLE= 934.99
INV OUT= 933.56

INLET "E3"
TOP= 943.38
GRATE= 942.68
INV OUT= 939.18

CB "E4"
TOP= 942.40
GRATE= 941.62
INV OUT= 938.62

CI "I1"
TOP= 932.02
GRATE= 931.22
INV IN= 927.72
INV OUT= 925.87

WI "J1"
TOP= 938.39
INV IN (E)= 934.79
INV IN (SE)= 935.24
INV IN (S)= 934.04
INV OUT= 930.70

CI "K1" (NORTH)
TOP=940.09
GRATE=939.35
IN=NOT VISIBLE (FROM K2)
THROAT OPENING=936.34
(TO "K1" SOUTH)

CI "K1" (SOUTH)
TOP= 940.15
GRATE=939.33
THROAT OPENING= 936.13 (FROM "K1" NORTH)
INV OUT= 934.87 (TO "B10")

JB "K2"
TOP= 939.88
INV IN (NW-FROM K4)= 936.57
INV IN (W-FROM K3)= 936.46
INV OUT= 936.37
(TO K1 NORTH)

CI "K3"
TOP= 941.08
GRATE= 940.26
+/-BOTTOM= 936.13
(PIPE NOT VISIBLE)

JB "K4"
TOP= 942.12
+/-BOTTOM= 935.93
(FULL OF WATER)

CB "L1"
TOP= 940.15
INV IN (E)= 937.85
INV OUT= 936.00

CB "L2"
TOP= 943.48
INV IN= 939.90
INV OUT= 939.46

DI "L3"
TOP= 946.54
INV IN= 942.19
INV OUT= 942.19

DI "L4"
TOP= 951.04
INV IN= 947.44
INV OUT= 944.94

JB "L5"
TOP= 941.02
INV (48" RCP-N.W.)= 928.36
(POSSIBLE IN FROM L6)
CL= 928.96
(NO OTHER PIPES VISIBLE)

JB "L6"
TOP= 941.85
INV (48"-N.E.)= 928.50
(FROM UNDERGROUND DETENTION FACILITY)
INV (48"-S.E.)= 928.55
(VISIBLE PIPE TOWARD L5)

JB "M1"
TOP= 940.83
CL= 928.97

JB "M2"
TOP= 941.00
CL= 928.89

JB "M3"
TOP= 943.89
CL= 929.54

JB "N1"
TOP= 959.83
INV IN (NW)= 953.33
INV IN (SW-HIGH)= 954.83
INV IN (SE)= 954.13
INV IN (SW-LOW)= 949.83
INV IN (S)= 945.13
INV OUT= 945.03

SWCB "N2"
TOP= 958.64
INV OUT= 954.49

JB "N3"
TOP= 958.83
INV IN (W)= 954.43
INV IN (S)= 954.23
INV OUT= 950.11

JB "N4"
TOP= 960.17
INV IN= 950.87
INV OUT= 950.81

FLOOD NOTE:
ACCORDING TO FEMA F.I.R.M. PANELS: ***13121C0243F*** EFFECTIVE DATE: ***SEPTEMBER 18, 2013*** AND BY GRAPHIC PLOTTING, A PORTION OF THIS PROJECT LIES WITHIN A HAZARD AREA OF THE FLOOD INSURANCE RATE MAP FOR ***FULTON COUNTY, GEORGIA***.

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TOPOGRAPHIC SURVEY
CITY OF ATLANTA
RODNEY COOK, SR. PARK

GEORGIA REGISTERED 2388 PROFESSIONAL LAND SURVEYOR KEITH SEILER
4-11-17

NO.	DESCRIPTION	DATE	BY	APPR.
1	PARK NAME CHANGE	3-17-17	KS	KS
2	CLARIFIED K1-K4 INVERT INFO	3-30-17	KS	KS
3	CLARIFIED INVERT INFO FOR #B11, B12, L5, L6 & MI	4-11-17	KS	KS

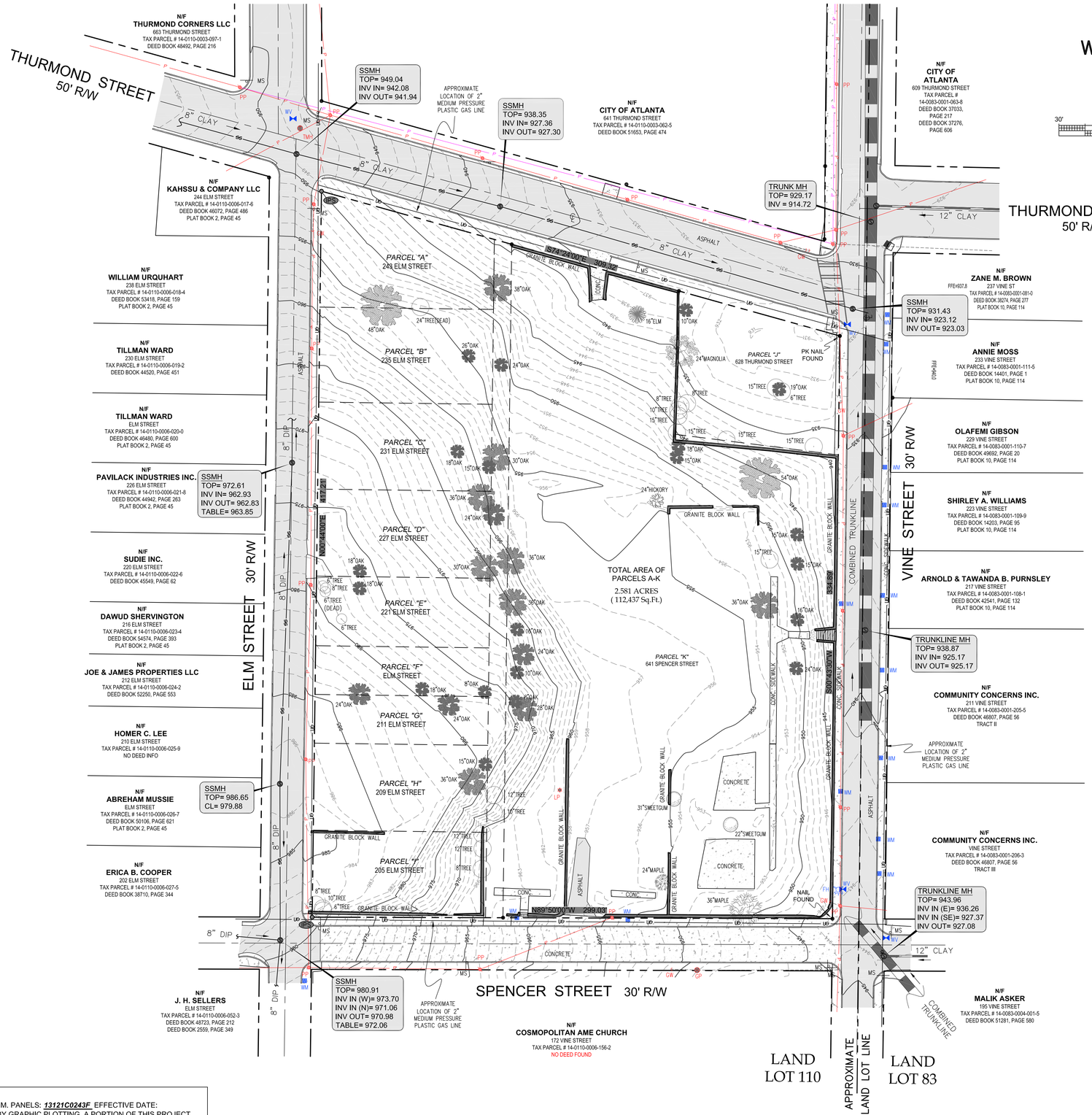
DATE: MARCH 3, 2016
SCALE: HORIZ. 1" = 50'
VERT.: N/A
FIELD BOOK: PROJECT
FIELD SURVEY: MARCH 3, 2016
LAND LOT(S): 83 & 110
DISTRICT: 14th
SECTION: N/A
COUNTY: FULTON (CITY OF ATLANTA)
SURVEYED: KB, BM, AC, JK, EB
DRAWN: BM, BK
CHECKED: KS
APPROVED: KS
PROJECT NO.: 15-035-G
DWG NAME: 15035-220-001-3-d.dwg

SHEET 4 OF 4

G-006

ISSUED FOR 90% CITY REVIEW 5/12/2017

F:\Land Projects R\A15035\dwg\15035-220-001-3-d.dwg, SHEET-4-TOPO, keisler, Apr 11, 2017 - 1:20:07pm



N
W E
S

GRID NORTH
NAD83 (2011)
GEORGIA
WEST ZONE

30' 0 30' 60'

GRAPHIC SCALE: 1" = 30'

TOPOGRAPHIC SURVEY FOR THE TRUST FOR PUBLIC LAND

LAND LOT 110, 14th DISTRICT FULTON COUNTY, GEORGIA CITY OF ATLANTA

SURVEYOR'S NOTES

1. A TOPCON GTS-233 (TOTAL STATION), TOPCON TRAVERSING EQUIPMENT, A 200 FOOT TAPE, AND SPECTRA PRECISION SP80 GPS RECEIVER WAS USED TO OBTAIN THE ANGULAR AND LINEAR MEASUREMENTS FOR THIS SURVEY.
2. THE FIELD DATA UPON WHICH THIS PLAT IS BASED HAS A CLOSURE PRECISION OF ONE FOOT IN ***22,103*** FEET, AN ANGULAR ERROR OF ***07*** SECOND PER ANGLE POINT, AND WAS ADJUSTED USING THE COMPASS RULE.
3. NO N.G.S. MONUMENT WAS FOUND WITHIN 500 FEET OF ANY POINT ON THE SUBJECT PROPERTY.
4. THE HORIZONTAL DATUM IS THE NORTH AMERICAN DATUM OF 1983 READJUSTED IN 2011 (NAD83 (2011)). THE VERTICAL DATUM IS NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) VIA SIGNAL CORRECTIONS FROM THE eGPS VRS CORS NETWORK.
5. ACCORDING TO THE FLOOD INSURANCE RATE MAPS (F.I.R.M.) OF FULTON COUNTY, PANEL NUMBER ***13121C0243F***, DATED ***SEPTEMBER 18, 2013***, THIS PROJECT **IS NOT** LOCATED IN A FLOOD HAZARD AREA.
6. UNDERGROUND UTILITY LOCATIONS BASED ON ABOVE GROUND EVIDENCE AND PAINT MARKS. SOURCE OF MARKINGS UNKNOWN.
7. THE FIRM OF SEILER & ASSOCIATES, INC DOES NOT CERTIFY TO THE CORRECTNESS OR ACCURACY OF THE UNDERGROUND UTILITIES SHOWN OR NOT SHOWN HEREON, CONTACT THE UTILITY PROTECTION CENTER (800-282-7411) PRIOR TO ANY DIGGING.

SURVEY DESCRIPTION

TRACT COMPRISED OF PARCELS A-K SHOWN HEREON

ALL THAT TRACT OR PARCEL OF LAND LYING AND BEING IN LAND LOT 110 OF 14TH DISTRICT, FULTON COUNTY (CITY OF ATLANTA), GEORGIA, AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT A NAIL FOUND AT THE INTERSECTION OF THE NORTHERLY RIGHT-OF-WAY LINE OF SPENCER STREET (30 FOOT TOTAL RIGHT-OF-WAY WIDTH) AND THE WESTERLY RIGHT-OF-WAY LINE OF VINE STREET (30 FOOT TOTAL RIGHT-OF-WAY WIDTH);

THENCE, WITH SAID NORTHERLY RIGHT-OF-WAY LINE OF SPENCER STREET, NORTH 89 DEGREES 50 MINUTES 00 SECONDS WEST, 299.03 FEET TO A 1/2 INCH REBAR AND CAP SET AT THE EASTERLY RIGHT-OF-WAY LINE OF ELM STREET (30 FOOT TOTAL RIGHT-OF-WAY WIDTH);

THENCE, WITH SAID EASTERLY RIGHT-OF-WAY LINE OF ELM STREET, NORTH 00 DEGREES 44 MINUTES 00 SECONDS EAST, 417.21 FEET TO A 1/2 INCH REBAR AND CAP SET AT THE SOUTHERLY RIGHT-OF-WAY LINE OF THURMOND STREET (50 FOOT TOTAL RIGHT-OF-WAY WIDTH);

THENCE, WITH SAID SOUTHERLY RIGHT-OF-WAY LINE OF THURMOND STREET, SOUTH 74 DEGREES 24 MINUTES 00 SECONDS EAST, 309.32 FEET TO A PK NAIL FOUND AT SAID WESTERLY RIGHT-OF-WAY LINE OF VINE STREET;

THENCE, WITH SAID WESTERLY RIGHT-OF-WAY LINE OF VINE STREET, SOUTH 00 DEGREES 43 MINUTES 30 SECONDS WEST, 334.89 FEET TO THE ***POINT OF BEGINNING***.

SAID TRACT OR PARCEL OF LAND CONTAINING ***2.581 ACRES (112,437 SQUARE FEET).***

SUBJECT PARCELS FOUND WITHIN THE BLOCK

PARCEL	N/F OWNER	ADDRESS	TAX PARCEL	DEED BOOK
"A"	CITY OF ATLANTA	243 ELM STREET	14-0110-0006-040-8	DB 51653, PG 474
"B"	CITY OF ATLANTA	235 ELM STREET	14-0110-0006-049-9	DB 51653, PG 474
"C"	CITY OF ATLANTA	231 ELM STREET	14-0110-0006-166-1	DB 51653, PG 474
"D"	CITY OF ATLANTA	227 ELM STREET	14-0110-0006-167-9	DB 51653, PG 474
"E"	CONCERNED BLACK CLERGY OF METROPOLITAN ATLANTA INC	221 ELM STREET	14-0110-0006-047-3	DB 28371, PG 76
"F"	CITY OF ATLANTA	ELM STREET	14-0110-0006-046-5	DB 51653, PG 474
"G"	JOHN BEASLEY	211 ELM STREET	14-0110-0006-045-7	NO DEED INFO
"H"	UNITED UNIVERSAL FELLOWSHIP OF FAITH	209 ELM STREET	14-0110-0006-044-0	DB 51707, PG 353
"I"	551 LINDSAY STREET LLC	205 ELM STREET	14-0110-0006-043-2	DB 53843, PG 416
"J"	THE CITY OF ATLANTA	628 THURMOND STREET	14-0110-0006-042-4	DB 51653, PG 474
"K"	THE CITY OF ATLANTA	641 SPENCER STREET	14-0110-0006-041-6	DB 51653, PG 474

LEGEND

- FIRE HYDRANT (FH)
- WATER VALVE (WV)
- WATER METER (WM)
- LIGHT POLE (LP)
- POWER POLE (PP)
- GUY POLE (GP)
- GUY WIRE (GW)
- TELEPHONE MANHOLE
- SANITARY SEWER CLEAN-OUT (CO)
- SANITARY SEWER MANHOLE (SSMH)
- JUNCTION BOX (JB)

- P —— OVERHEAD POWER
- SS —— SANITARY SEWER LINE
- UG —— UNDERGROUND GAS
- W —— WATER LINE

IPS = IRON PIN SET
1/2" REBAR & SURVEYORS CAP SET
(STAMPED "SEILER & ASSOCIATES LSF #390 GEORGIA")

C/L = CENTERLINE
CONC. = CONCRETE
DIP = DUCTILE IRON PIPE
MS = METAL SIGN
N/F = NOW OR FORMERLY
R/W = RIGHT-OF-WAY

= CONCRETE
= ASPHALT

= UNKNOWN TREE = SWEETGUM = ELM
= OAK = MAPLE = MAGNOLIA

FLOOD NOTE:
ACCORDING TO FEMA F.I.R.M. PANELS: ***13121C0243F*** EFFECTIVE DATE: ***SEPTEMBER 18, 2013*** AND BY GRAPHIC PLOTTING, A PORTION OF THIS PROJECT LIES WITHIN A FLOOD HAZARD AREA OF THE FLOOD INSURANCE RATE MAP FOR ***FULTON COUNTY, GEORGIA***.

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TOPOGRAPHIC SURVEY
FOR
THE TRUST FOR PUBLIC LAND
CITY OF ATLANTA

GEORGIA REGISTERED No. 2982 PROFESSIONAL LAND SURVEYOR NAZAN M. BROWN 3/17/2016

NO.	REVISIONS DESCRIPTION	DATE	BY	APPR.

DATE: MARCH 17, 2016
SCALE: HORIZ: 1" = 30'
VERT: N/A
FIELD BOOK: PROJECT
SURVEY: FEBRUARY 16, 2016
LAND LOT(S): 110
DISTRICT: 14th
SECTION: N/A
COUNTY: FULTON (CITY OF ATLANTA)
SURVEYED: AC, EB
DRAWN: BCM
CHECKED:
APPROVED:
PROJECT NO.: 16-005-G
DWG. NAME: 16005-100-001-0-d.dwg

SHEET 1 OF 1

G-007

ISSUED FOR 90% CITY REVIEW 5/12/2017

F:\Land Projects\GA\16005\dwg\16005-100-001-0-d.dwg, SURVEY, Abrown, Mar 17, 2016 - 12:42:36pm

EROSION SEDIMENTATION & POLLUTION CONTROL PLANS

ENGINEER CERTIFICATION STATEMENTS:

"I CERTIFY UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY MYSELF OR MY AUTHORIZED AGENT, UNDER MY SUPERVISION."

"I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES REQUIRED BY THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENT "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" (MANUAL) PUBLISHED BY THE STATE SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBING ACTIVITY WAS PERMITTED, PROVIDES FOR THE SAMPLING OF THE RECEIVING WATER(S) OR THE SAMPLING OF THE STORM WATER OUTFALLS AND THAT THE DESIGNED SYSTEM OF BEST MANAGEMENT PRACTICES AND SAMPLING METHODS IS EXPECTED TO MEET THE REQUIREMENTS CONTAINED IN THE GENERAL NPDES PERMIT NO. GAR 100001."

GSWCC LEVEL II DESIGN PROFESSIONAL DATE
CERTIFICATION #: 0000028288

"I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT CERTIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE,AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS." SIGNED BY PRIMARY PERMITTEE:

NAME COMPANY ADDRESS DATE

DESIGN PROFESSIONAL 7-DAY VISIT CERTIFICATION

DATE OF INSPECTION:

I CERTIFY THE SITE WAS IN COMPLIANCE WITH THE ES&PC PLAN ON THE DATE OF INSPECTION.

GWSCC LEVEL 2 DESIGN PROFESSIONAL CERTIFICATION #

LAND DISTURBANCE CONSTRUCTION ACTIVITY SEQUENCE

THE FOLLOWING SEQUENCES ARE TO BE IMPLEMENTED IN THE ORDER SHOWN UNLESS INCLEMENT WEATHER, SITE CONDITIONS, REVISIONS, PRE-CONSTRUCTION CONFERENCE, ETC, DICTATES A DEVIATION FROM THIS SCHEDULE. IF A DEVIATION IS UNDERTAKEN OR ANTICIPATED. THE ENGINEER SHALL BE NOTIFIED AND THE CHANGE OF SEQUENCE SHALL BE RECORDED IN THE DAILY LOG.

GENERAL CONSTRUCTION SCHEDULE
APPROX START DATE:JULY 1, 2017, APPROX. COMPLETION DATE: OCTOBER 31, 2017

BEGIN CONSTRUCTION JULY, 2017	2017					
	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
INSTALL Co AND PERIMETER BMPs, EXCAVATE SEDIMENTATION BASIN	▨					
CLEARING AND GRUBBING, REMOVE TREES		▨				
EXECUTE SITE DEMOLITION		▨				
SOILS REMEDIATION AND REMOVAL			▨	▨		
OPERATE & MAINTAIN BMPS	▨	▨	▨	▨		
EXECUTE FINAL STABILIZATION & REMOVE TEMPORARY CONSTRUCTION BMPs					▨	

* SEDIMENT AND EROSION CONTROL MEASURES TO BE INSPECTED DAILY, WEEKLY, AND MONTHLY IN ACCORDANCE WITH GAR100001. MAINTAIN BMP'S THROUGHOUT LAND DISTURBANCE ACTIVITY.

GSWCC Georgia Soil and Water Conservation Commission
Susan U. Major
Level II Certified Design Professional
Certification Number 0000028288
Issued: 12/15/2015 Expires: 12/15/2018

DATE: 09/25/2017

UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK AT HISTORIC VINE CITY
310 VINE STREET
ATLANTA, GA 30314

VICINITY MAP
NTS

PRIMARY PERMITTEE:
NAME: ASTRA ROHADFOX
ADDRESS: 300 CHURCHILL COURT
WOODSTOCK, GA 30188
PHONE #: 770-992-9300

24 HOUR EROSION CONTROL CONTACT:
NAME: STEVE ORTMAN
ADDRESS: 300 CHURCHILL COURT
WOODSTOCK, GA 30188
PHONE #: 404-427-3872

SITE DATA:

TOTAL SITE = 12.16 ACRES
LIMIT OF LAND DISTURBANCE = 9.41 ACRES

DISTRICT: 17th FULTON COUNTY GA
LAND LOT: LL0402

EARTHWORK QUANTITIES		
DESCRIPTION	CUT (CY)	FILL (CY)
SEDIMENT BASIN #1	5995.6	
SEDIMENT BASIN #2	1334.9	
STOCKPILE		4036.7
MAIN & NW REMEDIATION AREAS	17040.6	
SOUTHWEST REMEDIATION AREA	8816.7	8816.7
TOTAL	33187.8	12853.4

STANDARD EROSION CONTROL NOTES:

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES.

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

PRIOR TO LAND-DISTURBING ACTIVITIES, THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE AREA EROSION CONTROL INSPECTOR. CALL (404) 546-1300 TO CONTACT THE INSPECTOR.

ANY DISTURBED AREA LEFT IDLE FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH TEMPORARY SEEDING; DISTURBED AREAS IDLE 30 DAYS SHALL BE STABILIZED WITH PERMANENT VEGETATION.

ANY DISTURBED AREAS REMAINING IDLE FOR 30 DAYS SHALL BE STABILIZED WITH PERMANENT VEGETATION.

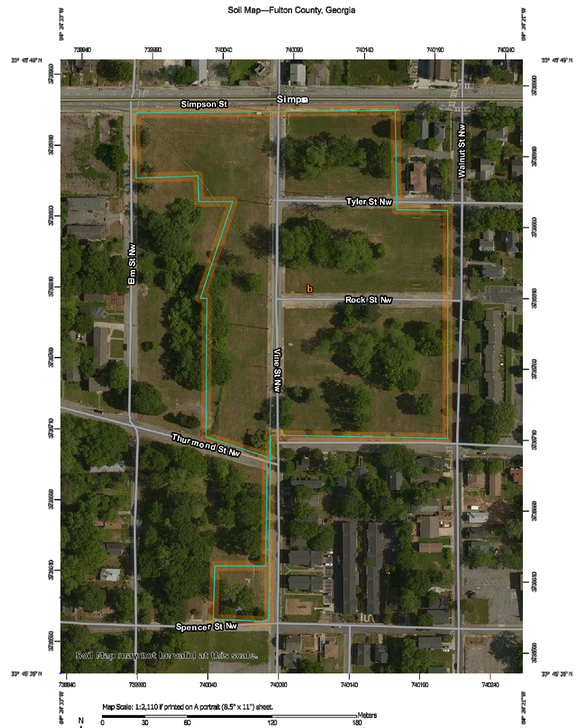
EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED AT LEAST WEEKLY, AFTER EACH RAIN, AND REPAIRED AS NECESSARY.

ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IF DETERMINED NECESSARY BY ON-SITE INSPECTION.

SILT FENCE SHALL BE TYPE S, AND MEET THE REQUIREMENTS OF THE MANUAL OF EROSION AND SEDIMENT CONTROL IN GEORGIA, 2016 EDITION.

A HAUL ROUTE PERMIT WILL BE REQUIRED AS MORE THAN 500 CUBIC YARDS OF HAULED VOLUME TO OR FROM THE SITE.

WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A 404 PERMIT.



GEORGIA REGISTERED No. PE16710 PROFESSIONAL ENGINEER SUSAN U. MAJOR

Know what's below. Call before you dig.

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY
EROSION AND SEDIMENT CONTROL REMEDIATION PHASE
COVER SHEET

JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

No.	Description	Date
0	ISSUED FOR PERMITTING	9/25/2017

PROJECT NO: 7383--E
DESIGNED BY: CW
DRAWN BY: JC
CHECKED BY: BS
DATE: 9-25-2017
SCALE: NOTED

DRAWING NO.
EC-000
SHEET OF

ACAD Rel: 19.1s (LMS Tech)
Filename: O:\73_WS\T-2\EC-000-017_Remediation.dwg
Last Saved: 9/22/2017 2:17 PM Saved By: SMajor
Plot Date: 9/22/2017 2:19 PM Plot By: SMajor Filename: O:\73_WS\T-2\EC-000-017_Remediation.dwg

REMEDIATION PHASE STORM WATER MANAGEMENT NOTES

1. ALL SOIL THAT HAS NOT BEEN REMEDIATED SHALL NOT BE IN CONTACT WITH CITY STREETS, CLEAN ACCESS GRAVEL. ON A DAILY BASIS DURING DRY WEATHER, MOISTEN ALL SOILS THAT HAVE NOT BEEN REMEDIATED TO MITIGATE DUST.

2. STORM WATER DIVERSION DITCHES AND SWALES SHALL BE INPECTED DAILY. PLASTIC BAGS, DETRITUS, AND SEDIMENTS SHALL BE REMOVED SO AS NOT TO IMPEDE THE FREE FLOW OF WATER AT ALL TIMES.

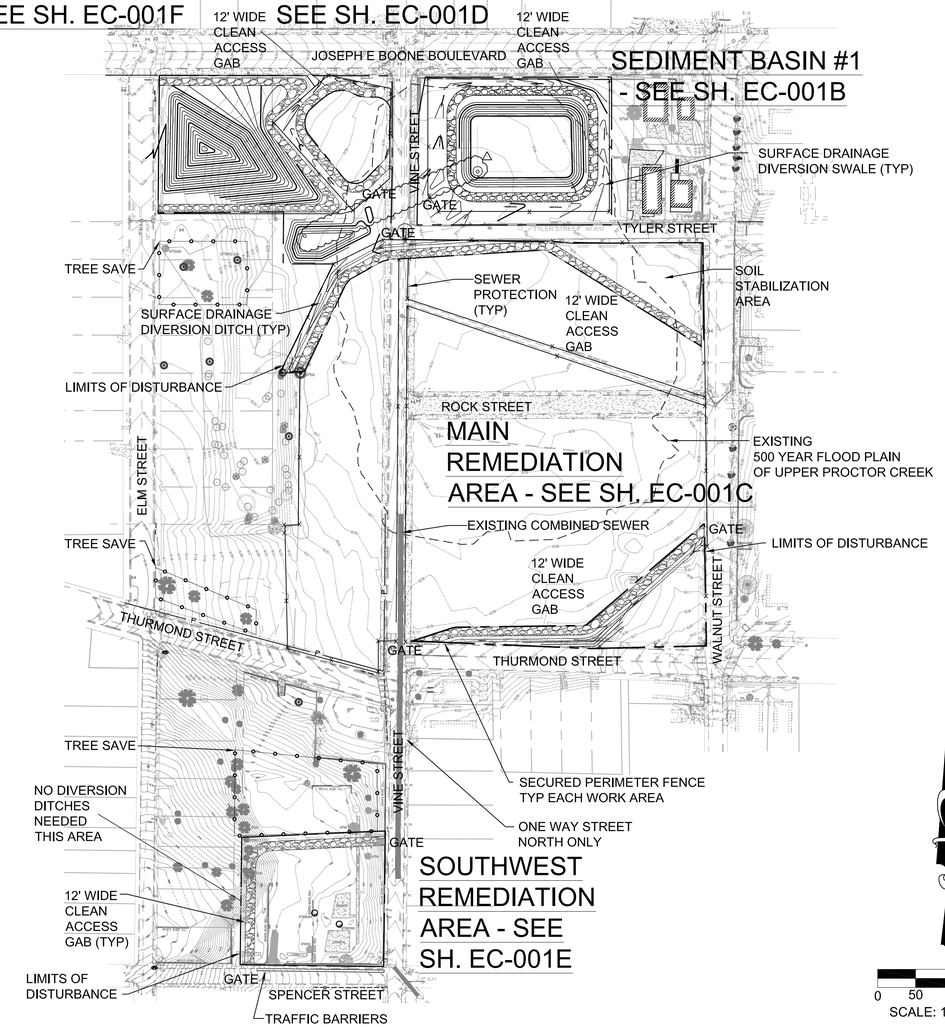
3. THE INTERSECTION OF TYLER AND VINE STREETS IS KNOWN TO FLOOD. DURING AND AFTER EACH RAINFALL EVENT, CONTRACTOR SHALL GO TO THE SITE AND PLACE TRAFFIC CONES AROUND THE PERIMETER OF ANY PONDING AREA. AFTER PONDING SUBSIDES, REMOVE THE CONES UNTIL THE NEXT RAINFALL EVENT. CLEAN THE GRATES OF CONTRACTORS DROP INLET THAT DRAINS TO THE BRICK SEWER BELOW. THE CITY OF ATLANTA WILL NOT MAINTAIN OR OPERATE ANY SURFACE DRAINAGE DIVERSIONS, DITCHES, AND SWALES.

4. CONTRACTOR SHALL BE RESPONSIBLE TO ASSURE NO SOILS IN CONTACT WITH SOILS TO BE REMEDIATED ARE PLACED ON THE CLEAN ACCESS WAYS OR CITY STREETS. TRUCKS HAULING CONTAMINATED MATERIALS SHALL BE COVERED.

5. NO STANDING WATER IS PERMITTED TO BE IN LOW AREAS FOR MORE THAN 24 HOURS IN ANY OF THE REMEDIATION AREAS. FURNISH, OPERATE AND MAINTAIN 2 PUMPS AT EACH LOW AREA AS DUTY-STANDBY. OPERATE THE DUTY PUMP ONLY, NOT BOTH. PIPE DISCHARGE TO THE SOUTHEAST CORNER OF THE REMEDIATION POND. LEVEL REMEDIATION EXCAVATIONS TO AVOID PONDING DURING WET WEATHER.

6. IN DEMOLITION AND TREE REMOVAL AREAS IN CONTACT WITH CONTAMINATED SOILS, REMOVE CONTAMINATED SOIL BEFORE HAULING MATERIALS.

7. FOR TREE PROTECTION AND REMOVAL PLANS, SEE SHEETS C-102A, C-102B, AND C-102C.



CLEAN ACCESS TYPICAL SECTION

1. NO TRUCKS OR EQUIPMENT IN CONTACT WITH SOILS TO BE REMEDIATED ARE PERMITTED TO USE THE CLEAN ACCESS GRAVEL ROADWAY.

2. USE CLEAN ACCESS FOR HAULING, DUST CONTROL, AND MOVEMENT OF REMEDIATION EQUIPMENT AFTER AREAS HAVE BEEN REMEDIATED. ACCESS FROM CITY STREETS IS ALSO PERMITTED.

BOND STATEMENT

ASTRA ROHADFOX, AS THE CONSTRUCTION MANAGER AT RISK (CMAR) FOR THE CITY OF ATLANTA HAS PROVIDED A PERFORMANCE AND PAYMENT BOND IN ACCORDANCE WITH CONTRACT AGREEMENT FOR THE RODNEY COOK, SR PROJECT WITH THE CITY OF ATLANTA DEPARTMENT OF WATERSHED MANAGEMENT.

NOTES:

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES.

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

ANY DISTURBED AREAS REMAINING IDLE FOR 30 DAYS SHALL BE STABILIZED WITH PERMANENT VEGETATION.

NOTE: AT CONTRACTOR'S OPTION, PORTABLE SEDIMENT TANKS MAY BE UTILIZED IN LIEU OF SEDIMENT BASIN #1. SEE SHEET EC-012 FOR DETAILS.

GSWCC — Georgia Soil and Water Conservation Commission

Susan U. Major
Level II Certified Design Professional
Certification Number 0000028288
Issued: 12/15/2015 Expires: 12/15/2018

24 HOUR EROSION CONTROL CONTACT:
NAME: STEVE ORTMAN
ADDRESS: 300 CHURCHILL COURT
WOODSTOCK, GA 30188
PHONE : 404-427-3872

811 Know what's below. Call before you dig.

City of Atlanta Department of watershed management
JP2 — 5887 Glenridge Drive Suite 300 Atlanta, GA. 30328 — Phone: 404.979.3300 Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY
EROSION AND SEDIMENT CONTROL OVERALL REMEDIATION PLAN PHASE 1

No.	Description	Date
0	ISSUED FOR PERMITTING	9/25/2017
1	ISSUED FOR CONSTRUCTION	10/6/2017

PROJECT NO: 7383-E
DESIGNED BY: GW
DRAWN BY: JC
CHECKED BY: BS
DATE: 9-25-2017
SCALE: AS SHOWN

DRAWING NO. EC-001A
SHEET OF

ACAD Rel: 19.1s (LMS Tech)
Filename: O:\73_WS\T-2\000 Remediation EC Phase 1.dwg
Last Saved: 10/5/2017 11:08 AM Saved By: SMajor
Plot Date: 10/5/2017 1:41 PM Plot By: SMajor Filename: O:\73_WS\T-2\000 Remediation EC Phase 1.dwg

LEGEND

- Co — CONSTRUCTION ENTRANCE
- Sd1-S — SILT FENCE
- Sd1-S / Ds1 / Sd1-S — DUST CONTROL
- Du — DUST CONTROL
- Ds1 — DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)
- Ds2 — DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)
- Ds3 — DISTURBED AREA STABILIZATION (WITH PERMANENT SEEDING)
- Cd — CHECK DAM
- Sd2-BG — BLOCK & GRAVEL INLET PROTECTION
- Sd2-P — CURB FILTER INLET
- Sd3 — TEMPORARY SEDIMENT BASIN
- Fl-Co — FLOCCULANTS AND COAGULANTS
- Di — DIVERSION
- Tr — TREE PROTECTION
- X — CHAIN LINK FENCE

NOTES:

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES.

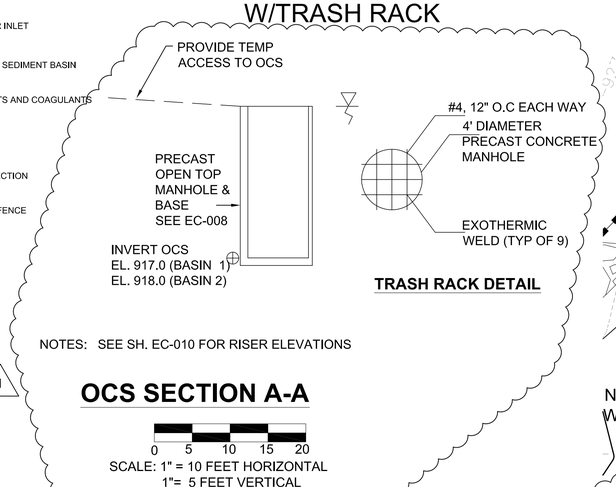
EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

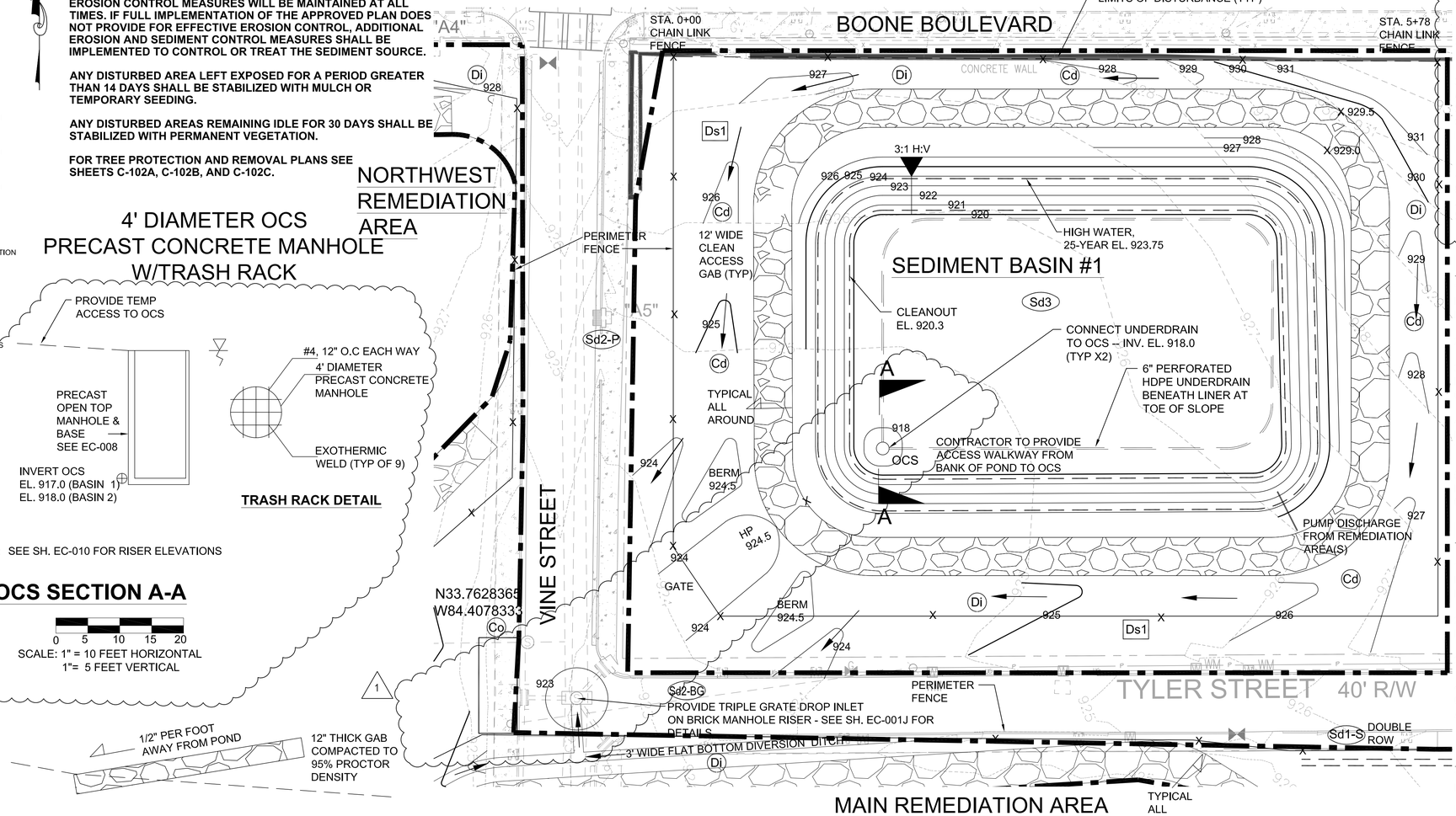
ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

ANY DISTURBED AREAS REMAINING IDLE FOR 30 DAYS SHALL BE STABILIZED WITH PERMANENT VEGETATION.

FOR TREE PROTECTION AND REMOVAL PLANS SEE SHEETS C-102A, C-102B, AND C-102C.

4' DIAMETER OCS PRECAST CONCRETE MANHOLE W/TRASH RACK





CLEAN ACCESS TYPICAL SECTION

1. NO TRUCKS OR EQUIPMENT IN CONTACT WITH SOILS TO BE REMEDIATED ARE PERMITTED TO USE THE CLEAN ACCESS GRAVEL ROADWAY.

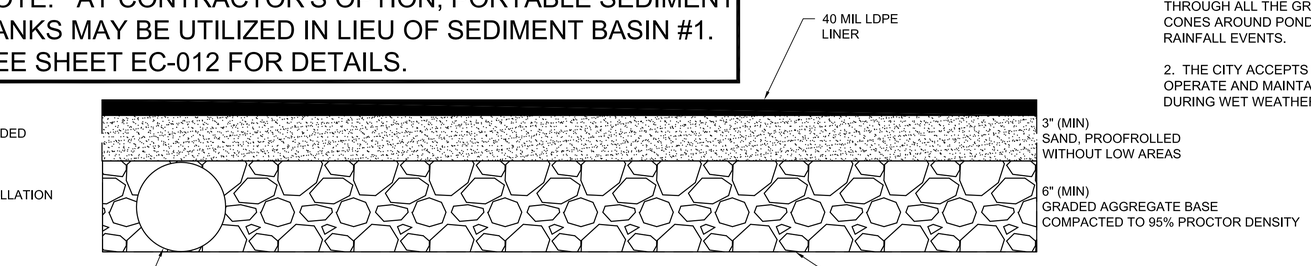
2. USE CLEAN ACCESS FOR HAULING, DUST CONTROL, AND MOVEMENT OF REMEDIATION EQUIPMENT AFTER AREAS HAVE BEEN REMEDIATED.

NOTE: AT CONTRACTOR'S OPTION, PORTABLE SEDIMENT TANKS MAY BE UTILIZED IN LIEU OF SEDIMENT BASIN #1. SEE SHEET EC-012 FOR DETAILS.

LINER INSTALLATION NOTES

1. WELD LINER SEAMS AS RECOMMENDED BY LINER MANUFACTURER.

2. HAVE LINER MANUFACTURER REPRESENTATIVE INSPECT THE INSTALLATION AND CERTIFY THAT THE LINER IS PROPERLY INSTALLED AND FREE OF DEFECTS.



TYPICAL POND LINER SECTION

POND RELEASE PROCEDURE

1. PRIOR TO DEWATERING THE POND, CONTRACTOR SHALL PERFORM BOTH TURBIDITY TESTS AND CHEMICAL TESTS OF POND WATER.

2. DEWATERING PUMPING SHALL BE PERFORMED FROM THE SURFACE OF THE POND.

3. PROVIDE TEST RESULTS TO THE ENGINEER ***BEFORE PUMPING ANY WATER*** TO THE STORM SEWER. WHEN TEST RESULTS FOR TURBIDITY OR LEAD EXCEED THRESHOLDS, ALLOW AT LEAST 48 HOURS BEFORE RESAMPLING AND RETESTING.

4. DURING DRAWDOWN, OBTAIN SAMPLES EVERY 8-HOURS AND RETEST. STOP PUMPING AND AWAIT TEST RESULTS. REPEAT STEP 1 AND SUBSEQUENT STEPS UNTIL POND IS DRAWN DOWN.

POND LINER NOTES

1. LINE THE BOTTOM OF POND, AND SIDES TO EL. 924.0 WITH 40 MIL (MIN) LDPE MEMBRANE. LINE OCS AND SEAL PENETRATIONS.

2. WELD SHEETS TOGETHER ALONG ALL SEAMS.

3. HOLIDAY TEST LINER INSTALLATION AND REPAIR ANY HOLIDAY TEST PIN HOLES OR OTHER LINER DEFECTS.

4. AFTER COMPLETION OF SITE REMEDIATION, REMEDIATE SEDIMENTS SHOULD ANY SAMPLES TESTED BE UNSATISFACTORY.

5. LEAVE THE LINER AND OCS IN PLACE UNTIL SUBSEQUENT GRADING OPERATIONS COMMENCE OR LONGER.

POND MAINTENANCE

1. COMPLETELY CLEAN THE BOTTOM OF THE POND WHEN SEDIMENT ACCUMULATIONS ARE MORE THAN 6" DEEP.

2. TEST REMOVED SEDIMENT AND REMEDIATE IF NECCESSARY.

3. PRESSURE WASH THE EXPOSED LINER, AND OCS.

4. DURING DRY WEATHER WHEN POND IS DRAINED, CONTROL DUST BY MOISTENING SEDIMENT ACCUMULATIONS AT LEAST ONCE A DAY.

POND ACCESS CONTROL

1. FOLLOW REQUIREMENTS STATED FOR REMEDIATION AREAS.

DROP INLET MAINTENANCE

1. AFTER EACH RAINFALL EVENT, REMOVE DEBRIS, PLASTIC BAGS, SEDIMENT, OR ANY OTHER DETRITOUS THAT IMPEDES THE FLOW OF WATER THROUGH ALL THE GRATE OPENINGS. PROVIDE CONES AROUND PONDING AREAS DURING RAINFALL EVENTS.

2. THE CITY ACCEPTS NO RESPONSIBILITY TO OPERATE AND MAINTAIN CONTRACTORS WORK DURING WET WEATHER.

GSWCC — Georgia Soil and Water Conservation Commission

Susan U. Major
Level II Certified Design Professional
Certification Number 0000028288
Issued: 12/15/2015 Expires: 12/15/2018

24 HOUR EROSION CONTROL CONTACT:
NAME: STEVE ORTMAN
ADDRESS: 300 CHURCHILL COURT
WOODSTOCK, GA 30188
PHONE : 404-427-3872

Know what's below. Call before you dig. 811

Georgia Registered Professional Engineer — Ms. Feiertag — Susan U. Major

City of Atlanta Department of watershed management
JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
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CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

EROSION AND SEDIMENT CONTROL
SEDIMENT BASIN #1
PHASE 1

No.	Description	Date
0	ISSUED FOR PERMITTING	9/25/2017
1	ISSUED FOR CONSTRUCTION	10/6/2017

PROJECT NO: 7383-E
DESIGNED BY: GW
DRAWN BY: JC
CHECKED BY: BS
DATE: 9-25-2017
SCALE: AS SHOWN

DRAWING NO. EC-001B
SHEET OF

ACAD Rel: 19.1s (LMS Tech)
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Last Saved: 10/5/2017 11:08 AM Saved By: SMajor
Plot Date: 10/5/2017 1:42 PM Plot By: SMajor Filename: O:\73_WS\T-2\000 Remediation EC Phase 1.dwg

LEGEND

- Co — CONSTRUCTION ENTRANCE
- Sd1-S — SILT FENCE
- Sd1-S / Ds1 / Sd1-S — SILT FENCE / DISTURBED AREA STABILIZATION (WITH MULCHING ONLY) / SILT FENCE
- Du — DUST CONTROL
- Ds1 — DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)
- Ds2 — DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)
- Ds3 — DISTURBED AREA STABILIZATION (WITH PERMANENT SEEDING)
- Cd — CHECK DAM
- Sd2-BG — BLOCK & GRAVEL INLET PROTECTION
- Sd2-P — CURB FILTER INLET
- Sd3 — TEMPORARY SEDIMENT BASIN
- Di — DIVERSION
- Sk — FLOATING SURFACE SKIMMER
- Tr — TREE PROTECTION
- —X— CHAIN LINK FENCE

REMEDIATION PHASE DUST CONTROL

1. PRIOR TO LAND DISTURBANCE ACTIVITIES WITHIN THE REMEDIATION AREA, CONTRACTOR SHALL MOISTEN SOILS TO BE DISTURBED WITH NON POTABLE WATER TO PREVENT VISIBLE PLUMES OF DUST.

2. WHEN CONTAMINATED SOILS ARE LEFT EXPOSED, SOILS SHALL BE MOISTENED AT LEAST ONCE EACH DAY DURING DRY WEATHER.

3. STOCK PILES SHALL BE COMPLETELY COVERED WITH A TARP AND TETHERED TO THE GROUND WITH STAKES TO PREVENT THE COVERING FROM BLOWING AWAY. WHEN NECESSARY, PROVIDE ADDITIONAL TETHERS FOR WINDY DAY CONDITIONS.

REMEDIATION PHASE ACCESS CONTROL

1. PROVIDE A SECURED PERIMETER FENCE AROUND THE ENTIRE REMEDIATION AREA WITH A GATE(S) THAT CAN BE CHAINED AND LOCKED SHUT AT ALL TIMES BEFORE, DURING, AND AFTER CONSTRUCTION ACTIVITIES. EACH TRUCK OR EQUIPMENT ENTERING OR LEAVING THE AREA SHALL UNLOCK, OPEN, THEN LOCK THE GATE.

2. POST THE PERIMETER FENCE WITH CAUTIONARY SIGNAGE.

3. HAND DIG OR SCRAPE SOIL ABOVE EXISTING BRICK SEWERS. NO EQUIPMENT OR TRUCKS ARE PERMITTED TO CROSS BRICK SEWERS.

4. DURING NON-WORK HOURS AFTER DARK, MONITOR AND/OR PATROL AREAS FOR UNAUTHORIZED PEOPLE. CALL 911 TO ESCORT ANY PERSON DISCOVERED ON THE SITE.

REMEDIATION PUMPING REQUIREMENTS

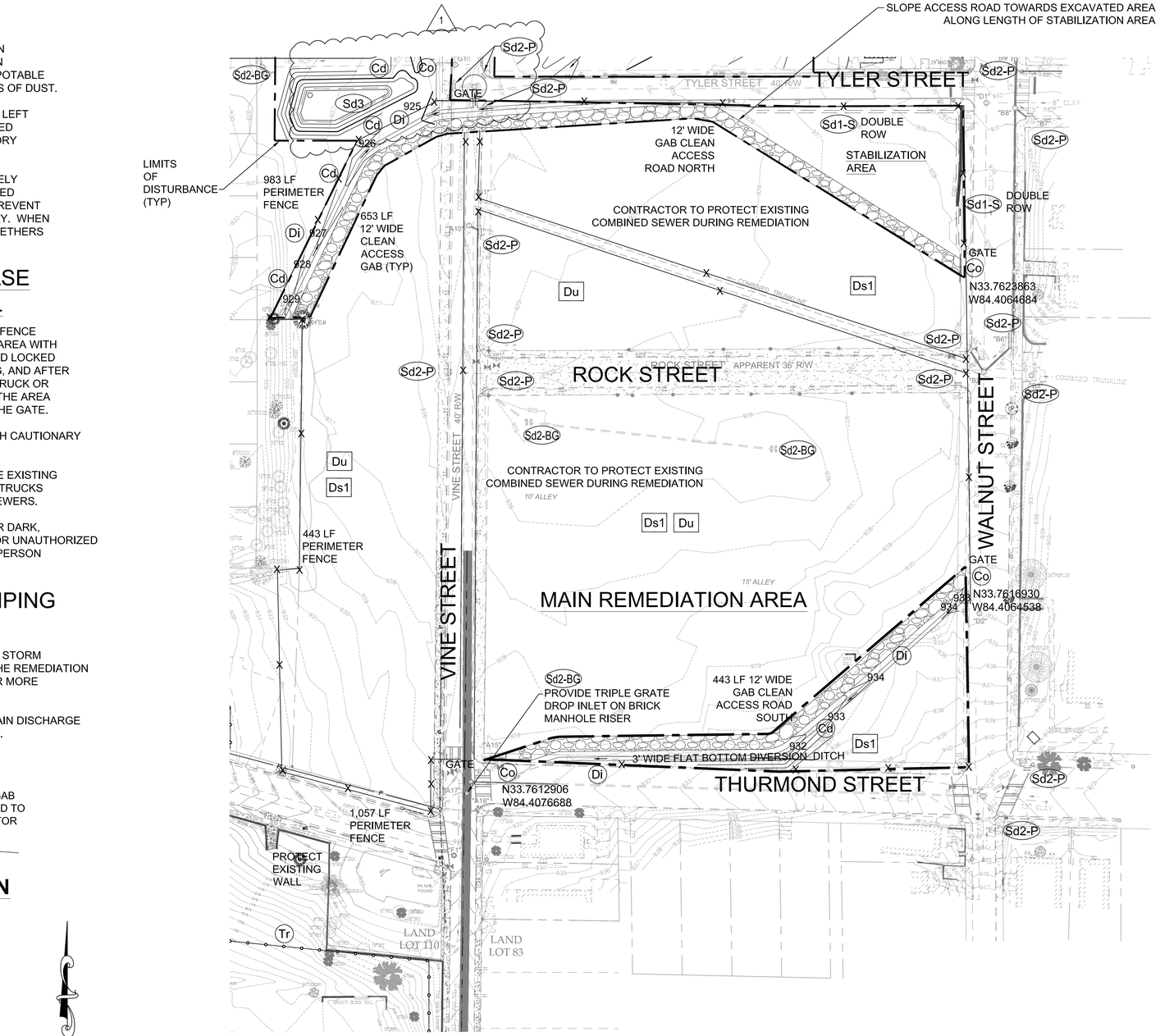
1. PROVIDE DUPLEX (DUTY-STANDBY) STORM WATER PUMPS AT LOW AREA(S) OF THE REMEDIATION AREA. NO PONDING OF SURFACE FOR MORE THAN 24 HOURS IS ACCEPTABLE.

2. FURNISH, CONSTRUCT AND MAINTAIN DISCHARGE PIPING TO THE WATER QUALITY POND.

CLEAN ACCESS TYPICAL SECTION

1. NO TRUCKS OR EQUIPMENT IN CONTACT WITH SOILS TO BE REMEDIATED ARE PERMITTED TO USE THE CLEAN ACCESS GRAVEL ROADWAY.

2. USE CLEAN ACCESS FOR HAULING, DUST CONTROL, AND MOVEMENT OF REMEDIATION EQUIPMENT AFTER AREAS HAVE BEEN REMEDIATED. ACCESS FROM CITY STREETS IS ALSO PERMITTED.



MAIN REMEDIATION AREA

DROP INLET MAINTENANCE

1. AFTER EACH RAINFALL EVENT, REMOVE DEBRIS, PLASTIC BAGS, SEDIMENT, OR ANY OTHER DETRITOUS THAT IMPEDES THE FLOW OF WATER THROUGH ALL THE GRATE OPENINGS. PROVIDE CONES AROUND PONDING AREAS DURING RAINFALL EVENTS.

2. THE CITY ACCEPTS NO RESPONSIBILITY TO OPERATE AND MAINTAIN CONTRACTORS WORK DURING WET WEATHER.

NOTE: AT CONTRACTOR'S OPTION, PORTABLE SEDIMENT TANKS MAY BE UTILIZED IN LIEU OF SEDIMENT BASIN #1. SEE SHEET EC-012 FOR DETAILS.

NOTES:

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES.

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

ANY DISTURBED AREAS REMAINING IDLE FOR 30 DAYS SHALL BE STABILIZED WITH PERMANENT VEGETATION.

FOR TREE PROTECTION AND REMOVAL PLANS, SEE SHEETS C-102A, C-102B, AND C-102C.

SCALE: 1" = 50 FEET

GSWCC — Georgia Soil and Water Conservation Commission

Susan U. Major
Level II Certified Design Professional
Certification Number 0000028288
Issued: 12/15/2015 Expires: 12/15/2018

24 HOUR EROSION CONTROL CONTACT:
NAME: STEVE ORTMAN
ADDRESS: 300 CHURCHILL COURT
WOODSTOCK, GA 30188
PHONE : 404-427-3872

Know what's below. Call before you dig.

Georgia Registered Professional Engineer — No. 27611 — Susan U. Major

City of Atlanta Department of watershed management

JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA, DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY
EROSION AND SEDIMENT CONTROL
MAIN REMEDIATION AREA
PHASE 1

No.	Description	Date
0	ISSUED FOR PERMITTING	9/25/2017
1	ISSUED FOR CONSTRUCTION	10/6/2017

PROJECT NO: 7383-E
DESIGNED BY: CW
DRAWN BY: JC
CHECKED BY: BS
DATE: 9-25-2017
SCALE: AS SHOWN

DRAWING NO. EC-001C
SHEET OF

ACAD Rel: 19.1s (LMS Tech)
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Last Saved: 10/5/2017 11:08 AM Saved By: SMajor
Plot Date: 10/5/2017 1:46 PM Plot By: SMajor Filename: O:\73_WS\T-2\000 Remediation EC Phase 1.dwg

LEGEND

- Co — CONSTRUCTION ENTRANCE
- Sd1-S — SILT FENCE
- Sd1-S / Ds1 / Sd1-S — DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)
- Du — DUST CONTROL
- Ds1 — DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)
- Ds2 — DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)
- Ds3 — DISTURBED AREA STABILIZATION (WITH PERMANENT SEEDING)
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- Sd2-BG — BLOCK & GRAVEL INLET PROTECTION
- Sd2-P — CURB FILTER INLET
- Sd3 — TEMPORARY SEDIMENT BASIN
- Di — DIVERSION
- Sk — FLOATING SURFACE SKIMMER
- Tr — TREE PROTECTION
- X — CHAIN LINK FENCE

REMEDIATION PHASE DUST CONTROL

1. PRIOR TO LAND DISTURBANCE ACTIVITIES WITHIN THE REMEDIATION AREA, CONTRACTOR SHALL MOISTEN SOILS TO BE DISTURBED WITH NON POTABLE TO PREVENT VISIBLE PLUMES OF DUST.

2. WHEN CONTAMINATED SOILS ARE LEFT EXPOSED, SOILS SHALL BE MOISTENED AT LEAST ONCE EACH DAY DURING DRY WEATHER.

3. STOCK PILES SHALL BE COMPLETELY COVERED WITH A NYLON TARP AND TETHERED TO THE GROUND WITH STAKES TO PREVENT THE COVERING FROM BLOWING AWAY. WHEN NECESSARY, PROVIDE ADDITIONAL TETHERS FOR WINDY DAY CONDITIONS.

REMEDIATION ACCESS CONTROL

1. PROVIDE A SECURED PERIMETER FENCE AROUND THE ENTIRE REMEDIATION AREA WITH A GATE(S) THAT CAN BE CHAINED AND LOCKED SHUT AT ALL TIMES BEFORE, DURING, AND AFTER CONSTRUCTION ACTIVITIES. EACH TRUCK OR EQUIPMENT ENTERING OR LEAVING THE AREA SHALL UNLOCK, OPEN, THEN LOCK THE GATE.

2. POST THE PERIMETER FENCE WITH CAUTIONARY SIGNAGE.

3. HAND DIG OR SCRAPE SOIL ABOVE EXISTING BRICK SEWERS. NO EQUIPMENT OR TRUCKS ARE PERMITTED TO CROSS BRICK SEWERS.

4. DURING NON-WORK HOURS AFTER DARK, MONITOR AND/OR PATROL AREAS FOR UNAUTHORIZED PEOPLE. CALL 911 TO ESCORT ANY PERSON DISCOVERED ON THE SITE.

DIVERSION DITCH REQUIREMENTS

1. ON A DAILY OR MORE FREQUENT BASIS, VISUALLY INSPECT DITCHES, REMOVE ANY DEBRIS OR SEDIMENT, AND ENSURE THAT SURFACE DRAINAGE FREELY FLOWS.

CONSTRUCTION EXIT

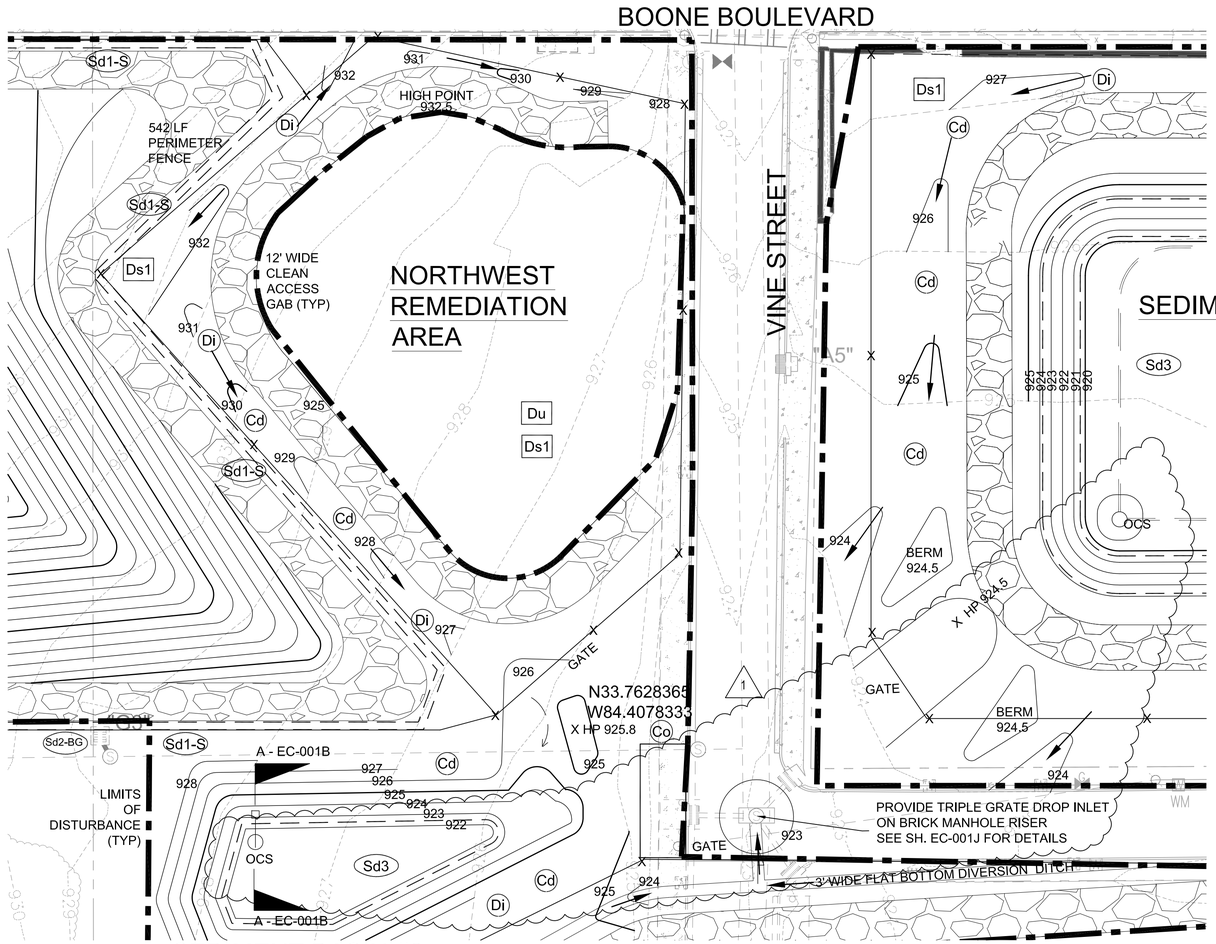
1. AT CONTRACTOR'S OPTION, MAKE A SINGLE GRAVEL EXIT FOR ALL THREE WORK AREAS AT NO ADDITIONAL COST TO THE CITY OF ATLANTA.

REMEDIATION PUMPING REQUIREMENTS

1. PROVIDE DUPLEX (DUTY-STANDBY) STORM WATER PUMPS AT LOW AREA(S) OF THE REMEDIATION AREA. NO PONDING OF SURFACE FOR MORE THAN 24 HOURS IS ACCEPTABLE.

2. FURNISH, CONSTRUCT AND MAINTAIN DISCHARGE PIPING TO THE SEDIMENT BASIN #1.

NOTE: AT CONTRACTOR'S OPTION, PORTABLE SEDIMENT TANKS MAY BE UTILIZED IN LIEU OF SEDIMENT BASIN #1. SEE SHEET EC-012 FOR DETAILS.



CLEAN ACCESS TYPICAL SECTION

1. NO TRUCKS OR EQUIPMENT IN CONTACT WITH SOILS TO BE REMEDIATED ARE PERMITTED TO USE THE CLEAN ACCESS GRAVEL ROADWAY.

2. USE CLEAN ACCESS FOR HAULING, DUST CONTROL, AND MOVEMENT OF REMEDIATION EQUIPMENT AFTER AREAS HAVE BEEN REMEDIATED.

NOTES:

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES.

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

ANY DISTURBED AREAS REMAINING IDLE FOR 30 DAYS SHALL BE STABILIZED WITH PERMANENT VEGETATION.

FOR TREE PROTECTION AND REMOVAL PLANS, SEE SHEETS C-102A, C-102B, AND C-102C.

GSWCC — Georgia Soil and Water Conservation Commission

Susan U. Major
Level II Certified Design Professional
CERTIFICATION NUMBER 0000028288
ISSUED: 12/15/2015 EXPIRES: 12/15/2018

24 HOUR EROSION CONTROL CONTACT:
NAME: STEVE ORTMAN
ADDRESS: 300 CHURCHILL COURT
WOODSTOCK, GA 30188
PHONE : 404-427-3872

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GEORGIA REGISTERED Ms. FEIETO PROFESSIONAL ENGINEER Susan U. Major

CITY OF ATLANTA DEPARTMENT OF watershed management

jp2 5887 Glenridge Drive Suite 300 Atlanta, GA. 30328 Phone: 404.979.3300 Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY
EROSION AND SEDIMENT CONTROL
NORTHWEST REMEDIATION AREA
PHASE 1

No.	Description	Date
0	ISSUED FOR PERMITTING	9/29/2017
1	ISSUED FOR CONSTRUCTION	10/6/2017

PROJECT NO: 7383-E
DESIGNED BY: GW
DRAWN BY: JC
CHECKED BY: BS
DATE: 9-25-2017
SCALE: AS SHOWN

DRAWING NO. EC-001D

SHEET OF

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Plot Date: 10/5/2017 1:48 PM Plot By: SMajor Filename: O:\73_WS\T-2\000 Remediation EC Phase 1.dwg

LEGEND

- Co — CONSTRUCTION ENTRANCE
- Sd1-S — SILT FENCE
- Sd1-S / Ds1 / Sd1-S — DUST CONTROL
- Du — DUST CONTROL
- Ds1 — DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)
- Ds2 — DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)
- Ds3 — DISTURBED AREA STABILIZATION (WITH PERMANENT SEEDING)
- Cd — CHECK DAM
- Sd2-BG — BLOCK & GRAVEL INLET PROTECTION
- Sd2-P — CURB FILTER INLET
- Sd3 — TEMPORARY SEDIMENT BASIN
- Di — DIVERSION
- Sk — FLOATING SURFACE SKIMMER
- Tr — TREE PROTECTION
- —X— CHAIN LINK FENCE

REMEDIATION PHASE DUST CONTROL

1. PRIOR TO LAND DISTURBANCE ACTIVITIES WITHIN THE REMEDIATION AREA, CONTRACTOR SHALL MOISTEN SOILS TO BE DISTURBED WITH NON POTABLE WATER TO PREVENT VISIBLE PLUMES OF DUST.

2. WHEN CONTAMINATED SOILS ARE LEFT EXPOSED, SOILS SHALL BE MOISTENED AT LEAST ONCE EACH DAY DURING DRY WEATHER.

3. STOCK PILES SHALL BE COMPLETELY COVERED WITH A TARP AND TETHERED TO THE GROUND WITH STAKES TO PREVENT THE COVERING FROM BLOWING AWAY. WHEN NECESSARY, PROVIDE ADDITIONAL TETHERS FOR WINDY DAY CONDITIONS.

REMEDIATION PHASE ACCESS CONTROL

1. PROVIDE A SECURED PERIMETER FENCE AROUND THE ENTIRE REMEDIATION AREA WITH A GATE(S) THAT CAN BE CHAINED AND LOCKED SHUT AT ALL TIMES BEFORE, DURING, AND AFTER CONSTRUCTION ACTIVITIES. EACH TRUCK OR EQUIPMENT ENTERING THE AREA MUST UNLOCK, OPEN, THEN LOCK THE GATE AFTER ENTRY.

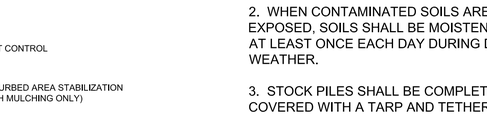
2. POST THE PERIMETER FENCE WITH CAUTIONARY SIGNAGE.

3. CONTRACTOR SHALL PROVIDE CONCRETE GA DOT TRAFFIC BARRIERS ALONG SPENCER STREET.

REMEDIATION PUMPING REQUIREMENTS

1. PROVIDE DUPLEX (DUTY-STANDBY) STORM WATER PUMPS AT LOW AREA(S) OF THE REMEDIATION AREA. NO PONDING OF SURFACE FOR MORE THAN 24 HOURS IS ACCEPTABLE.

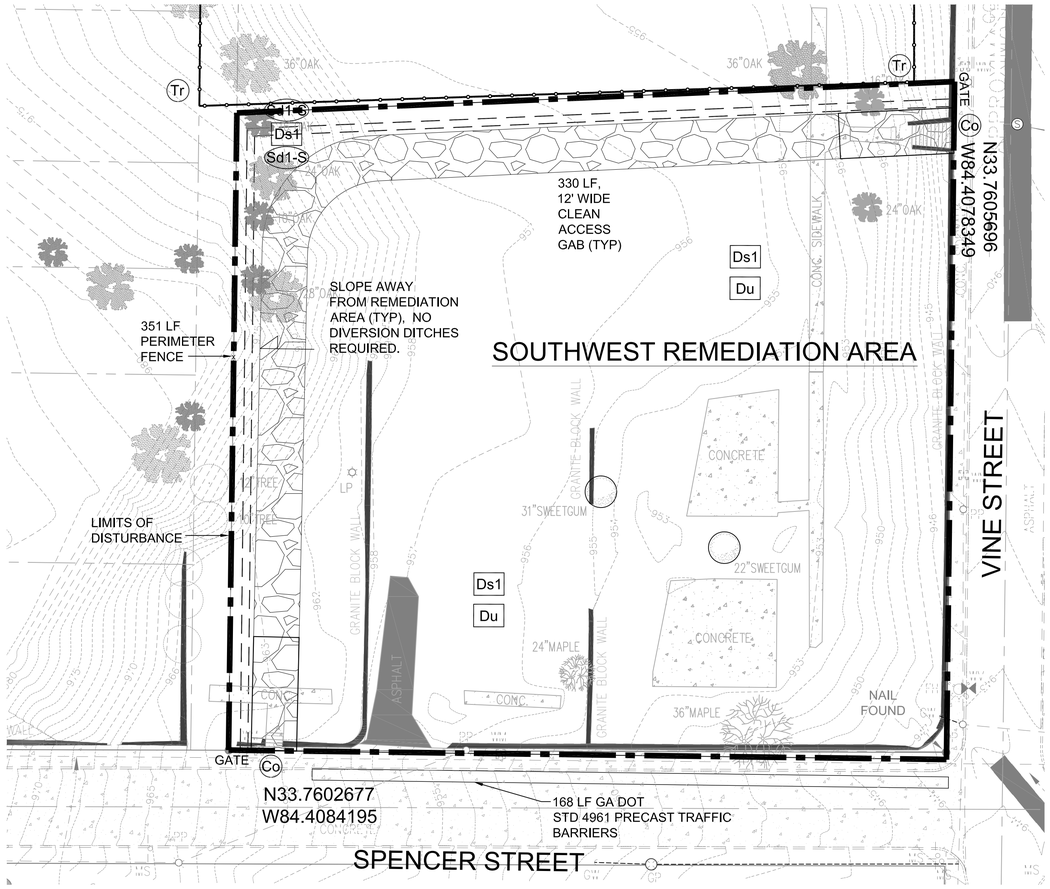
2. FURNISH, CONSTRUCT AND MAINTAIN DISCHARGE PIPING TO THE WATER QUALITY POND.



CLEAN ACCESS TYPICAL SECTION

1. NO TRUCKS OR EQUIPMENT IN CONTACT WITH SOILS TO BE REMEDIATED ARE PERMITTED TO USE THE CLEAN ACCESS GRAVEL ROADWAY.

2. USE CLEAN ACCESS FOR HAULING, DUST CONTROL, AND MOVEMENT OF REMEDIATION EQUIPMENT AFTER AREAS HAVE BEEN REMEDIATED. ACCESS FROM CITY STREETS IS ALSO PERMITTED.



NOTES:

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES.

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

ANY DISTURBED AREAS REMAINING IDLE FOR 30 DAYS SHALL BE STABILIZED WITH PERMANENT VEGETATION.

FOR TREE PROTECTION AND REMOVAL PLANS, SEE SHEETS C-102A, C-102B, AND C-102C.

NOTE: AT CONTRACTOR'S OPTION, PORTABLE SEDIMENT TANKS MAY BE UTILIZED IN LIEU OF SEDIMENT BASIN #1. SEE SHEET EC-012 FOR DETAILS.

GSWCC — Georgia Soil and Water Conservation Commission

Susan U. Major
Level II Certified Design Professional
Certification Number 0000028288
Issued: 12/15/2015 Expires: 12/15/2018

24 HOUR EROSION CONTROL CONTACT:
NAME: STEVE ORTMAN
ADDRESS: 300 CHURCHILL COURT
WOODSTOCK, GA 30188
PHONE : 404-427-3872

GEORGIA REGISTERED No. PE16710 PROFESSIONAL ENGINEER SUSAN U. MAJOR

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JP2
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Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

EROSION AND SEDIMENT CONTROL
SOUTHWEST REMEDIATION AREA
PHASE 1

No.	Description	Date
0	ISSUED FOR PERMITTING	9/25/2017

PROJECT NO: 7383-E
DESIGNED BY: GW
DRAWN BY: JC
CHECKED BY: BS
DATE: 9-25-2017
SCALE: AS SHOWN

DRAWING NO.
EC-001E

SHEET OF

ACAD Rel: 19.1s (LMS Tech)
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NOTE: AT CONTRACTOR'S OPTION, PORTABLE SEDIMENT TANKS MAY BE UTILIZED IN LIEU OF SEDIMENT BASIN #1. SEE SHEET EC-012 FOR DETAILS.

LEGEND

- Co — CONSTRUCTION ENTRANCE
- Sd1-S — SILT FENCE
- Sd1-S / Ds1 / Sd1-S — SILT FENCE AROUND DISTURBED AREA STABILIZATION
- Du — DUST CONTROL
- Ds1 — DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)
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- Di — DIVERSION
- Sk — FLOATING SURFACE SKIMMER
- Tr — TREE PROTECTION
- —X— CHAIN LINK FENCE

STOCKPILE NOTES

1. FILL MATERIAL SHALL CONSIST OF BROKEN CONCRETE, CHUNKS OF ASPHALT, BRICKS, ROADWAY DEMOLITION MATERIALS, AND COMMON EXCAVATION NO LARGER THAN 2" IN DIAMETER.

3. NO TREES, STUMPS, ROOTS OR OTHER VEGETATIVE MATERIAL SHALL BE STOCKPILED.

4. ON A DAILY BASIS DURING DRY WEATHER, MOISTEN FILL MATERIAL TO MITIGATE DUST.

5. INSPECT AND MAINTAIN PERIMETER BMPS EACH DAY.

6. PLACE STOCKPILED RUBBLE IN FILLS TO MORE THAN 5 FEET TO FINSHED GRADES.

7. EMBANKMENT SLOPES SHALL BE NO STEEPER THAN 3:1 (H:V).

8. ALL GAB SHALL MATCH EXISTING GROUND AND COMPACTED TO 95% PROCTOR DENSITY. PROOFROLL SUBGRADES BEFORE PLACING GAB.

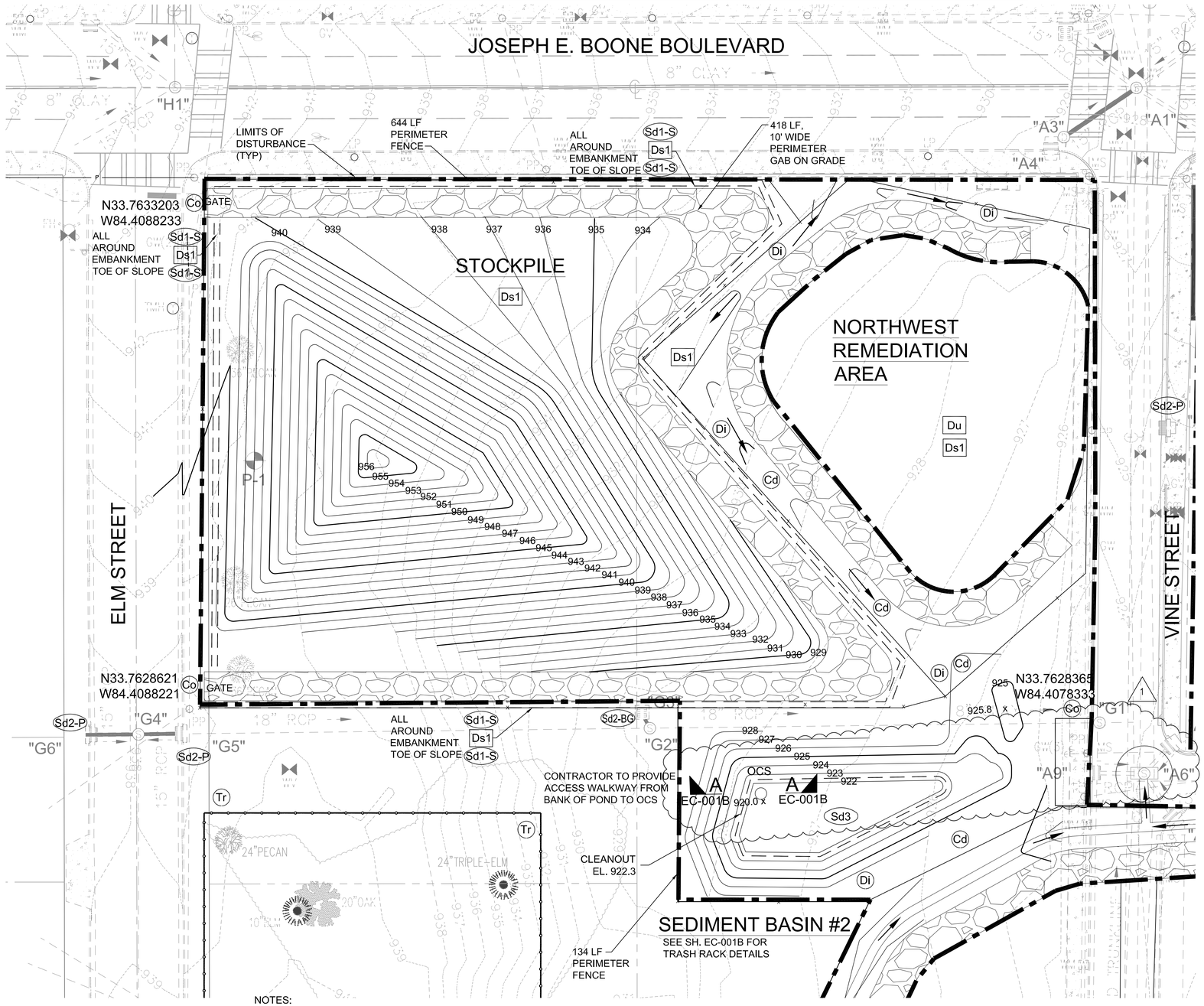
9. MATERIALS IN CONTACT WITH SOILS THAT HAVE NOT BEEN REMEDIATED SHALL NOT BE STOCKPILED.

DIRT STATEMENT

1. GRADING TO THE FINISHED GRADES RESULTS IN 3,915 CUBIC YARDS OF FILL. ADDITIONAL CUT IS REQUIRED FOR PREPARATION OF SUBGRADES AND GRADED AGGREGATE BASES.

PLACE DEMOLITION MATERIALS FROM ROADWAYS, CURBS & GUTTERS, REMNANTS OF BUILDING FOUNDATIONS, WALLS, AND OTHER DEMOLITION WORK IN ADDITION TO COMMON EXCAVATION.

2. IN FILLS GREATER THAN SIX FEET TO FINISHED GRADE, PLACE BROKEN CONCRETE, ASPHALT PAVEMENT, ETC... TO NO MORE THAN FOUR FEET OF THE FINISHED GRADE.



0 10 20 30 40
SCALE: 1" = 20 FEET

NOTES:

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES.

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

ANY DISTURBED AREAS REMAINING IDLE FOR 30 DAYS SHALL BE STABILIZED WITH PERMANENT VEGETATION.

FOR TREE PROTECTION AND REMOVAL PLANS, SEE SHEETS C-102A, C-102B, AND C-102C.

GSWCC — Georgia Soil and Water Conservation Commission

Susan U. Major
Level II Certified Design Professional
Certification Number 0000028288
Issued: 12/15/2015 Expires: 12/15/2018

24 HOUR EROSION CONTROL CONTACT:
NAME: STEVE ORTMAN
ADDRESS: 300 CHURCHILL COURT
WOODSTOCK, GA 30188
PHONE : 404-427-3872

Know what's below. Call before you dig. 811

GEORGIA — Registered Professional Engineer — No. PE16710 — Susan U. Major

City of Atlanta Department of watershed management
JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

No.	Description	Date
0	ISSUED FOR PERMITTING	9/25/2017
1	ISSUED FOR CONSTRUCTION	10/6/2017

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

EROSION AND SEDIMENT CONTROL
NORTHWEST STOCKPILE AREA
PHASE 1

PROJECT NO: 7383-E
DESIGNED BY: GW
DRAWN BY: JC
CHECKED BY: BS
DATE: 9-25-2017
SCALE: AS SHOWN

DRAWING NO.
EC-001F

SHEET OF

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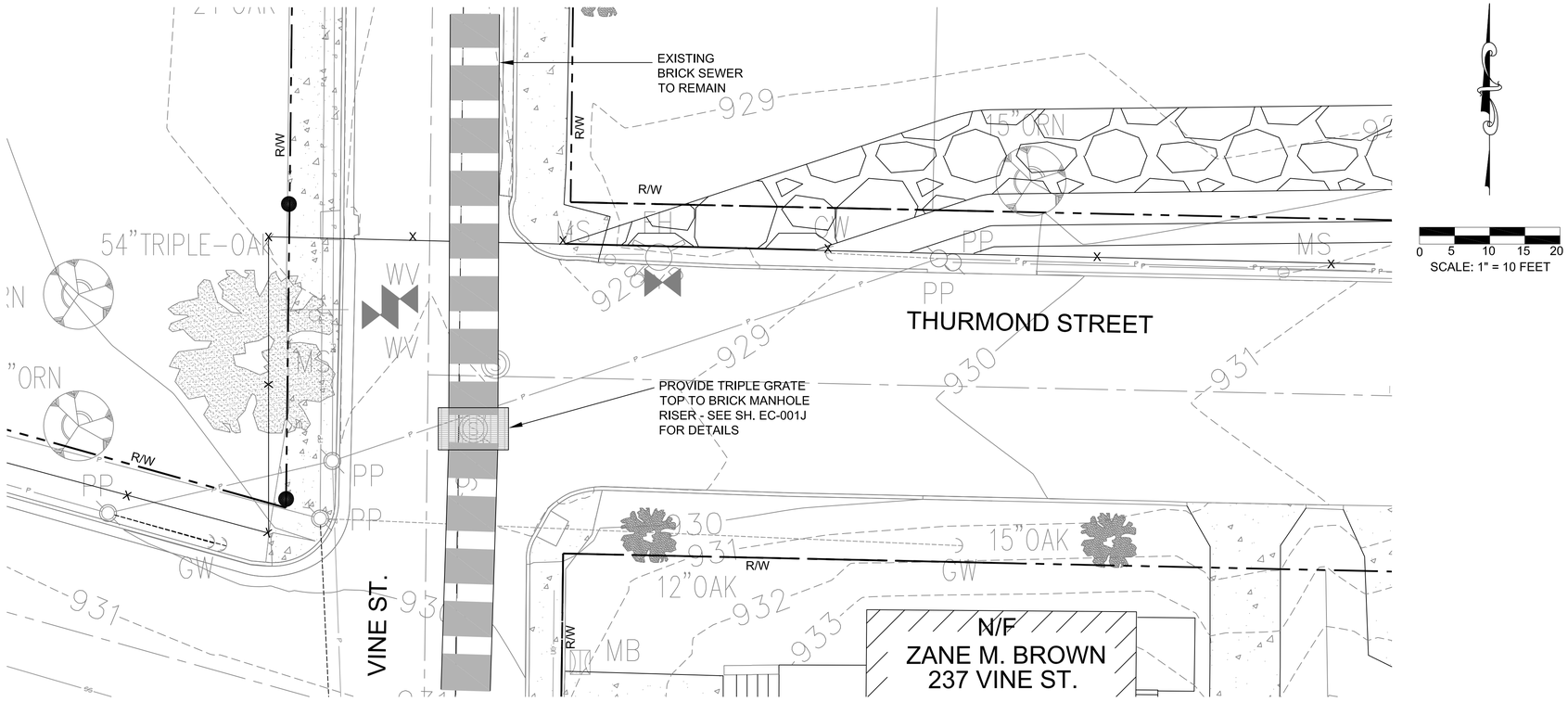

VINE @ THURMOND TRIPLE GRATE INLET PLAN

NOTE: AT CONTRACTOR'S OPTION, PORTABLE SEDIMENT TANKS MAY BE UTILIZED IN LIEU OF SEDIMENT BASIN #1. SEE SHEET EC-012 FOR DETAILS.

GEORGIA REGISTERED No. PE16710 PROFESSIONAL ENGINEER SUSAN U. MAJOR

GSWCC Georgia Soil and Water Conservation Commission

Susan U. Major
Level II Certified Design Professional
Certification Number 0000028888
Issued: 12/15/2015 Expires: 12/15/2018

24 HOUR EROSION CONTROL CONTACT:
CMAR PRIMARY PERMITTEE
NAME: STEVE ORTMAN
ADDRESS: 300 CHURCHILL COURT
WOODSTOCK, GA 30188
PHONE : 404-427-3872

811 Know what's below. Call before you dig.

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

EROSION AND SEDIMENT CONTROL
STORM DRAIN PLAN
VINE & THURMOND STREETS

JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

No.	Description	Date
0	ISSUED FOR PERMITTING	9/25/2017

PROJECT NO: 7383-E
DESIGNED BY: GW
DRAWN BY: JC
CHECKED BY: BS
DATE: 9-25-2017
SCALE: AS SHOWN

DRAWING NO.
EC-001I

SHEET OF

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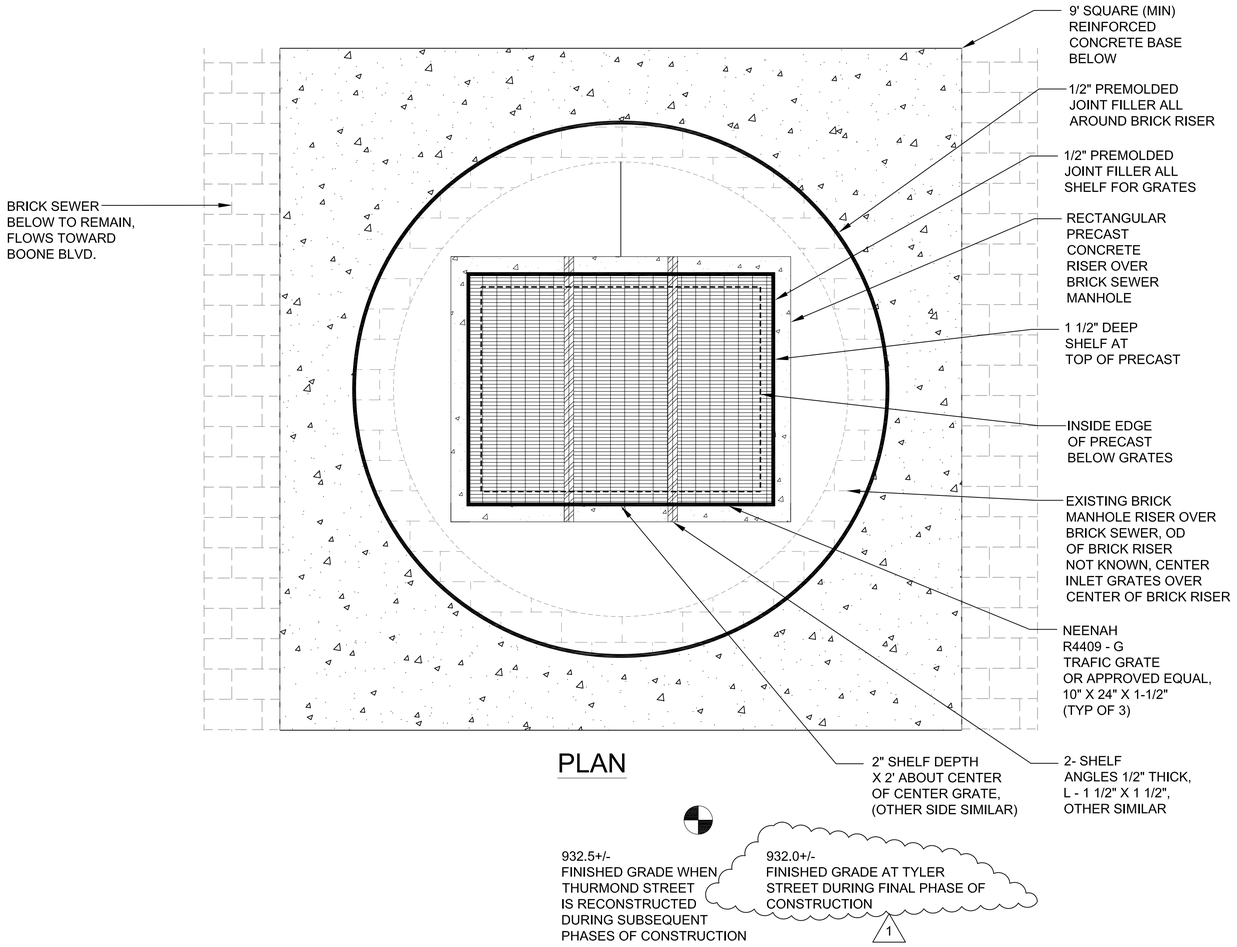
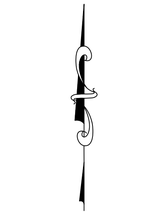


PLAN



0 1 2 3 4

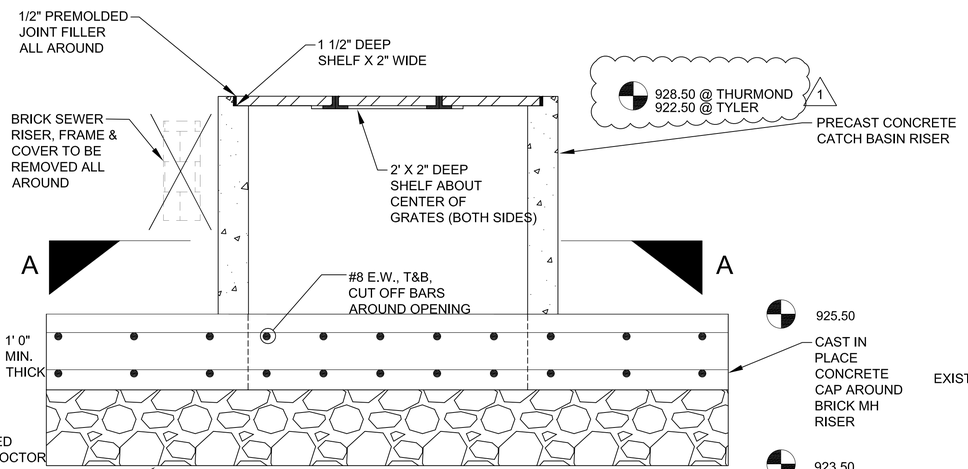
SCALE: 1" = 1'-0"FOOT H&V

932.5+/-
FINISHED GRADE WHEN THURMOND STREET IS RECONSTRUCTED DURING SUBSEQUENT PHASES OF CONSTRUCTION

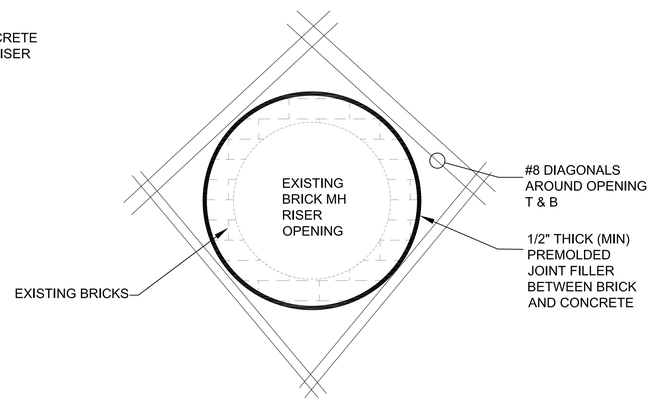
932.0+/-
FINISHED GRADE AT TYLER STREET DURING FINAL PHASE OF CONSTRUCTION

1

NOTE: AT CONTRACTOR'S OPTION, PORTABLE SEDIMENT TANKS MAY BE UTILIZED IN LIEU OF SEDIMENT BASIN #1. SEE SHEET EC-012 FOR DETAILS.



SECTION VINE @ THURMOND
SECTION VINE @ TYLER
1



SECTION A-A

24 HOUR EROSION CONTROL CONTACT:
CMAR PRIMARY PERMITTEE
NAME: STEVE ORTMAN
ADDRESS: 300 CHURCHILL COURT
WOODSTOCK, GA 30188
PHONE : 404-427-3872

GSWCC
Georgia Soil and Water Conservation Commission

Susan U. Major
Level II Certified Design Professional
Certification Number 0000028288
Issued: 12/15/2015 Expires: 12/15/2018

811 Know what's below. Call before you dig.

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. PE16710 SUSAN U. MAJOR

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

EROSION AND SEDIMENT CONTROL STORM DRAIN DETAILS VINE & THURMOND STREETS

No.	Description	Date
0	ISSUED FOR PERMITTING	9/25/2017
1	ISSUED FOR CONSTRUCTION	10/6/2017

jp2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

PROJECT NO: 7383-E
DESIGNED BY: GWM
DRAWN BY: JC
CHECKED BY: BS
DATE: 9-25-2017
SCALE: AS SHOWN

DRAWING NO.
EC-001J

SHEET OF

ACAD Rel: 19.1s (LMS Tech)
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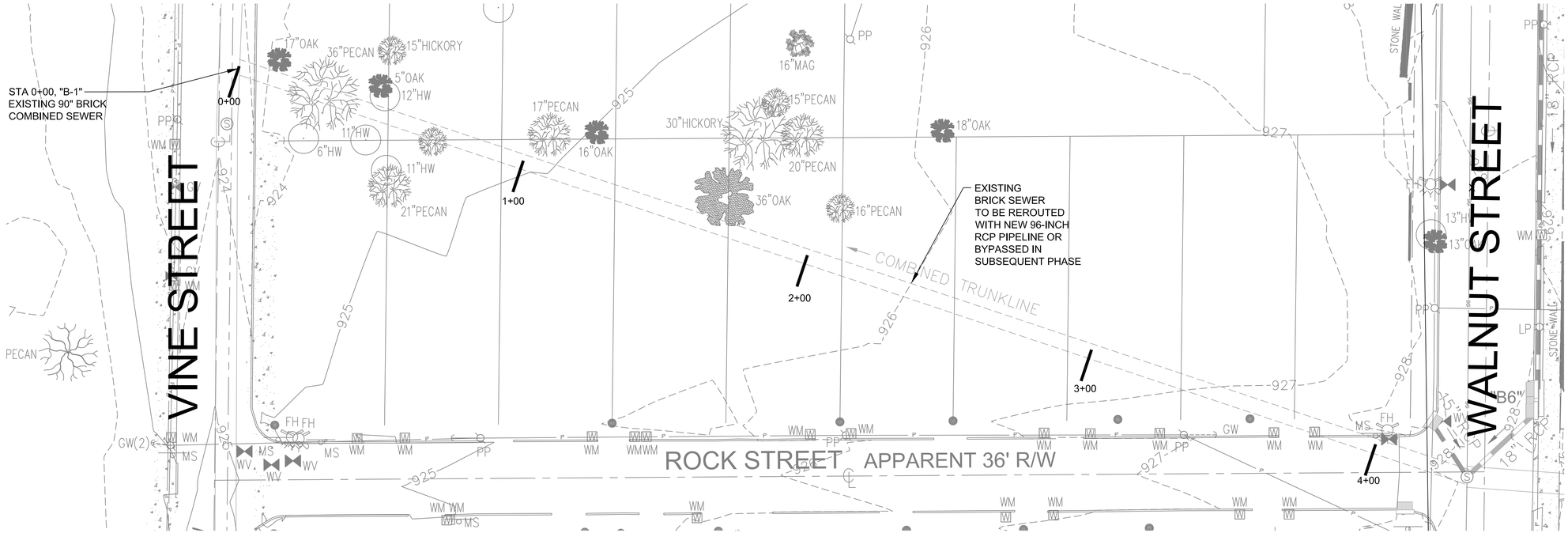
NOTE: AT CONTRACTOR'S OPTION, PORTABLE SEDIMENT TANKS MAY BE UTILIZED IN LIEU OF SEDIMENT BASIN #1. SEE SHEET EC-012 FOR DETAILS.

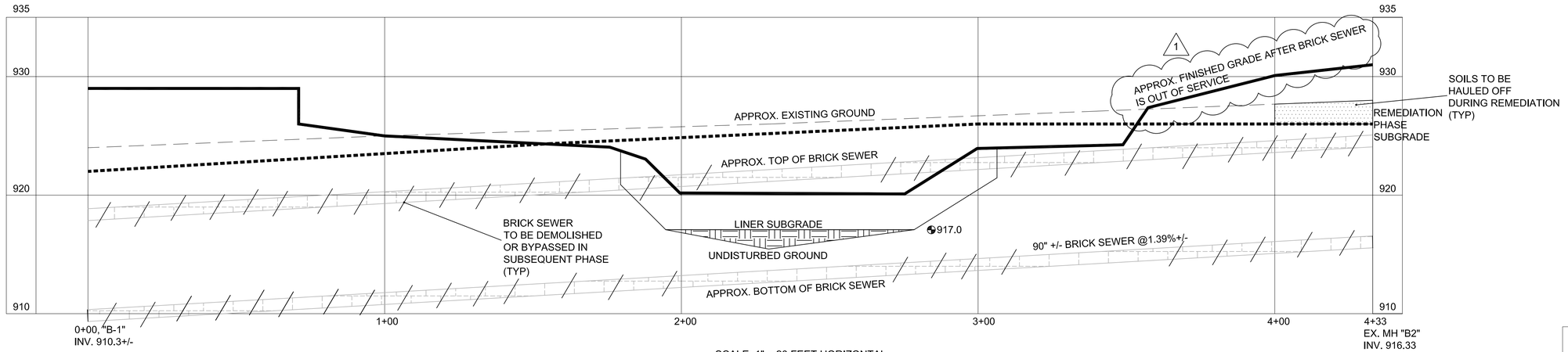
GSWCC
Georgia Soil and Water Conservation Commission

Susan U. Major
Level II Certified Design Professional
Certification Number 0000028288
Issued: 12/15/2015 Expires: 12/15/2018

24 HOUR EROSION CONTROL CONTACT:
CMAR PRIMARY PERMITTEE
NAME: STEVE ORTMAN
ADDRESS: 300 CHURCHILL COURT
WOODSTOCK, GA 30188
PHONE : 404-427-3872



0 10 20 30 40
SCALE: 1" = 20 FEET



SCALE: 1" = 20 FEET HORIZONTAL
1"= 5 FEET VERTICAL

811 Know what's below. Call before you dig.

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

EROSION AND SEDIMENT CONTROL EXISTING BRICK SEWER PROFILE BETWEEN WALNUT AND VINE STREET

No.	Description	Date
0	ISSUED FOR PERMITTING	9/25/2017
1	ISSUED FOR CONSTRUCTION	10/6/2017

JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

PROJECT NO: 7383-E
DESIGNED BY: GWM
DRAWN BY: JC
CHECKED BY: BS
DATE: 9-25-2017
SCALE: AS SHOWN

DRAWING NO.
EC-001K

SHEET OF

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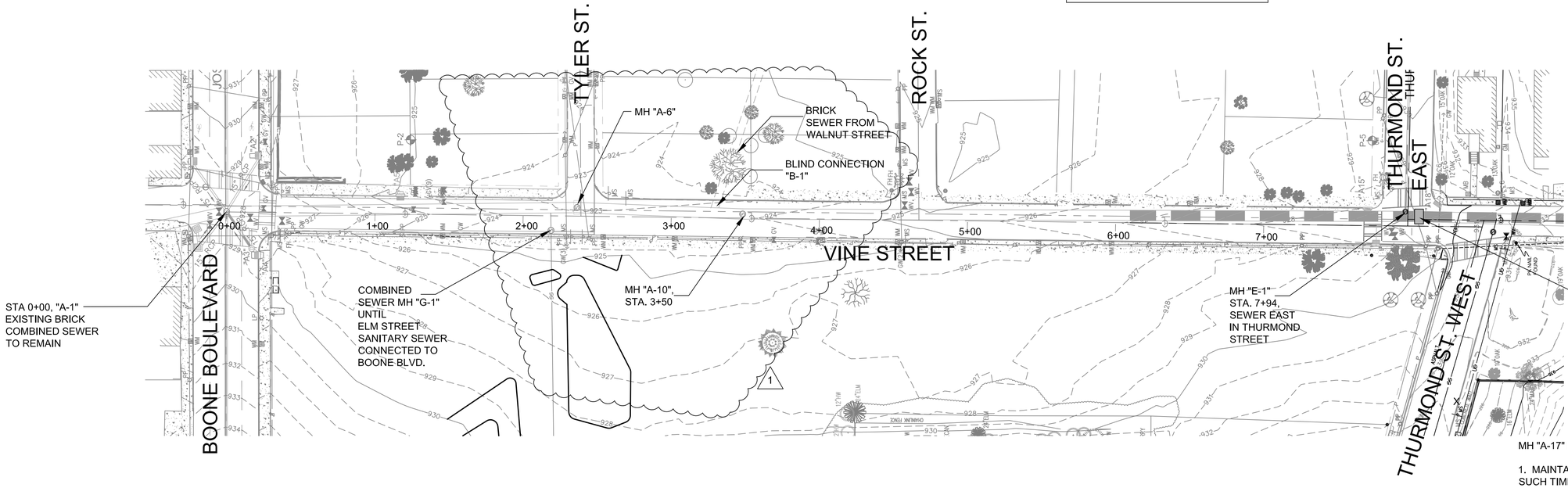
NOTE: AT CONTRACTOR'S OPTION, PORTABLE SEDIMENT TANKS MAY BE UTILIZED IN LIEU OF SEDIMENT BASIN #1. SEE SHEET EC-012 FOR DETAILS.

GSWCC
Georgia Soil and Water Conservation Commission

Susan U. Major
Level II Certified Design Professional
Certification Number 0000028288
Issued: 12/15/2015 Expires: 12/15/2018

24 HOUR EROSION CONTROL CONTACT:
CMAR PRIMARY PERMITTEE
NAME: STEVE ORTMAN
ADDRESS: 300 CHURCHILL COURT
WOODSTOCK, GA 30188
PHONE : 404-427-3872

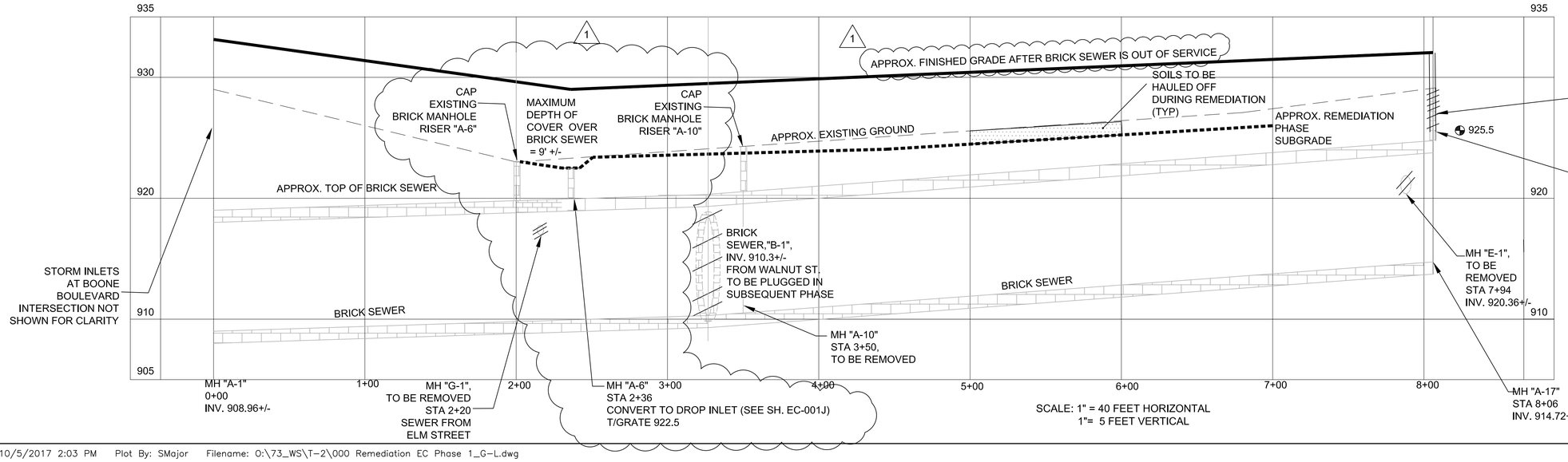
0 20 40 60 80
SCALE: 1" = 40 FEET



MH "A-17" NOTES:

1. MAINTAIN DROP INLET UNTIL SUCH TIME AS STORM CONNECTIONS HAVE BEEN INSTALLED AND TESTED TO THE PERMANENT POND OUTFALL.

2. AFTER THE STORM DRAIN CONNECTIONS MADE, PLACE STANDARD PRECAST RISERS, MH FRAME AND COVER, TO FINISHED ROADWAY GRADES ABOVE CENTER OF DROP INLET GRATES.



SCALE: 1" = 40 FEET HORIZONTAL
1"= 5 FEET VERTICAL

811 Know what's below. Call before you dig.

City of Atlanta Department of watershed management

JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

EROSION AND SEDIMENT CONTROL EXISTING BRICK SEWER PROFILE ALONG VINE STREET

No.	Description	Date
0	ISSUED FOR PERMITTING	9/28/2017
1	ISSUED FOR CONSTRUCTION	10/6/2017

PROJECT NO: 7383-E
DESIGNED BY: GWM
DRAWN BY: JC
CHECKED BY: BS
DATE: 9-25-2017
SCALE: AS SHOWN

DRAWING NO.
EC-001L
SHEET OF

ACAD Rel: 19.1s (LMS Tech)
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Last Saved: 10/4/2017 5:37 PM Saved By: SMajor

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STORM WATER MANAGEMENT NOTES

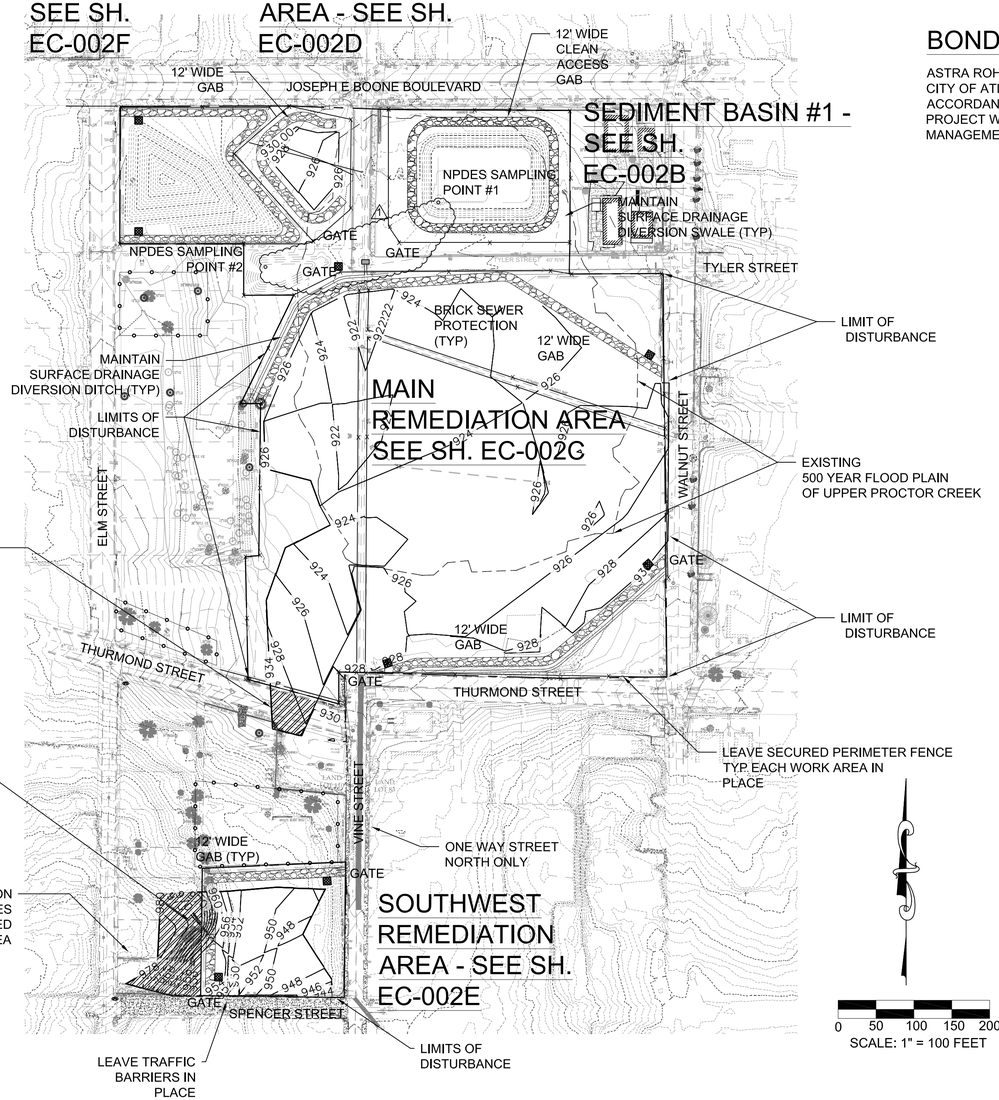
1. STORM WATER DIVERSION DITCHES AND SWALES SHALL BE INSPECTED DAILY UNTIL STABILIZED WITH VEGETATIVE COVER.

2. THE INTERSECTION OF TYLER AND VINE STREETS IS KNOWN TO FLOOD. DURING AND AFTER EACH RAINFALL EVENT, CONTRACTOR SHALL GO TO THE SITE AND PLACE TRAFFIC CONES AROUND THE PERIMETER OF ANY PONDING AREA. AFTER PONDING SUBSIDES, REMOVE THE CONES UNTIL THE NEXT RAINFALL EVENT. CLEAN THE GRATES OF CONTRACTORS DROP INLET THAT DRAINS TO THE BRICK SEWER BELOW. THE CITY OF ATLANTA WILL NOT MAINTAIN OR OPERATE ANY SURFACE DRAINAGE DIVERSIONS, DITCHES, AND SWALES.

3. NO STANDING WATER IS PERMITTED TO BE IN LOW AREAS FOR MORE THAN 24 HOURS IN ANY OF THE REMEDIATION AREAS. FURNISH, OPERATE AND MAINTAIN 2 PUMPS AT EACH LOW AREA AS DUTY-STANDBY. OPERATE THE DUTY PUMP ONLY, NOT BOTH. PIPE DISCHARGE TO THE SOUTHEAST CORNER OF THE POND.

DEFERRED REMEDIATION WORK AREAS

1. REMEDIATION WORK SHOWN IN THE R/W OF THURMOND STREET AND WALNUT STREET IS NOT PART OF THIS CONTRACT. REMEDIATION WORK SHOWN WEST OF THE SOUTHWEST REMEDIATION AREA (ON PRIVATE PROPERTY) IS NOT PART OF THIS CONTRACT.



BOND STATEMENT

ASTRA ROHADFOX, AS THE CONSTRUCTION MANAGER AT RISK (CMAR) FOR THE CITY OF ATLANTA. HAS PROVIDED A PERFORMANCE AND PAYMENT BOND IN ACCORDANCE WITH CONTRACT AGREEMENT FOR THE RODNEY COOK, SR PROJECT WITH THE CITY OF ATLANTA DEPARTMENT OF WATER SHED MANAGEMENT.

NOTES:

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES.

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

ANY DISTURBED AREA REMAINING IDLE FOR 30 DAYS SHALL BE STABILIZED WITH PERMANENT VEGETATION.

AT CONTRACTOR'S OPTION, TEMPORARY SEDIMENT TANKS MAY BE UTILIZED IN LIEU OF SEDIMENT BASIN #1. SEE SHEET EC-012 FOR DETAILS.

GSWCC Georgia Soil and Water Conservation Commission

Susan U. Major
Level II Certified Design Professional
CERTIFICATION NUMBER **0000028288**
ISSUED: **12/15/2015** EXPIRES: **12/15/2018**

24 HOUR EROSION CONTROL CONTACT:
CMAR PRIMARY PERMITTEE
NAME: STEVE ORTMAN
ADDRESS: 300 CHURCHILL COURT
WOODSTOCK, GA 30188
PHONE : 404-427-3872

Know what's below. Call before you dig.

GEORGIA REGISTERED ENGINEER No. PE 16510 PROFESSIONAL Susan U. Major

CITY OF ATLANTA DEPARTMENT OF watershed management

JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY
EROSION AND SEDIMENT CONTROL
OVERALL REMEDIATED PLAN
PHASE 2

No.	Description	Date
0	ISSUED FOR PERMITTING	9/25/2017
1	ISSUED FOR CONSTRUCTION	10/6/2017

PROJECT NO: 7383-E
DESIGNED BY: GW
DRAWN BY: JC
CHECKED BY: BS
DATE: 9-25-2017
SCALE: AS SHOWN

DRAWING NO.
EC-002A

SHEET OF

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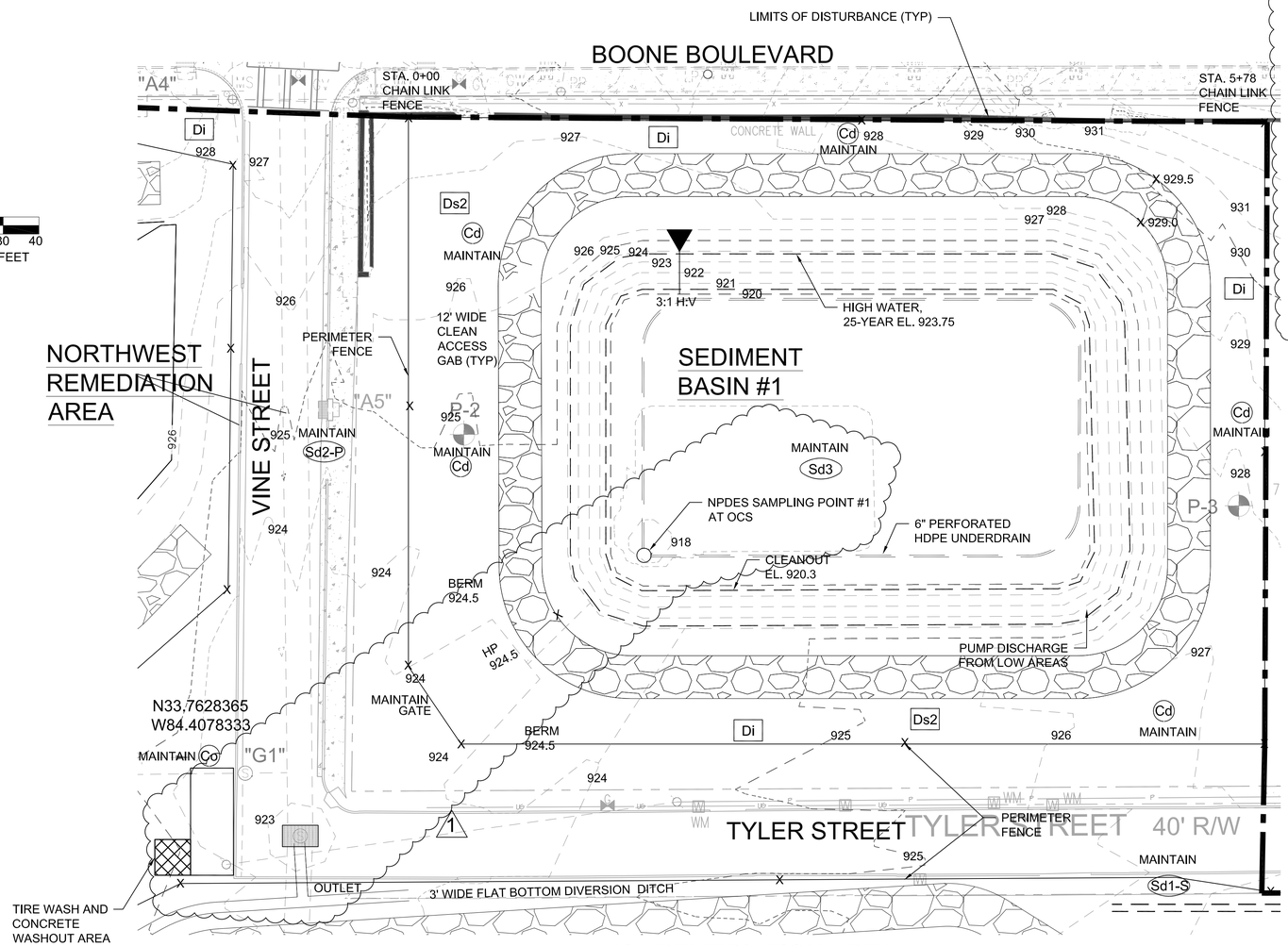
LEGEND

- Co — CONSTRUCTION ENTRANCE
- Sd1-S — SILT FENCE
- Sd1-S / Ds1 / Sd1-S — SILT FENCE (WITH DISTURBED AREA STABILIZATION)
- Du — DUST CONTROL
- Ds1 — DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)
- Ds2 — DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)
- Ds3 — DISTURBED AREA STABILIZATION (WITH PERMANENT SEEDING)
- Cd — CHECK DAM
- Sd2-BG — BLOCK & GRAVEL INLET PROTECTION
- Sd2-P — CURB FILTER INLET
- Sd3 — TEMPORARY SEDIMENT BASIN
- Di — DIVERSION
- Sk — FLOATING SURFACE SKIMMER
- Tr — TREE PROTECTION
- X — CHAIN LINK FENCE

0 10 20 30 40
SCALE: 1" = 20 FEET



MAIN REMEDIATION AREA

POND RELEASE PROCEDURE

1. PRIOR TO DEWATERING THE POND, CONTRACTOR SHALL PERFORM BOTH TURBIDITY TESTS AND CHEMICAL TESTS OF POND WATER.
2. DEWATERING PUMPING SHALL BE PERFORMED FROM THE SURFACE OF THE POND.
3. PROVIDE TEST RESULTS TO THE ENGINEER BEFORE PUMPING ANY WATER TO THE COMBINED SEWER. WHEN TEST RESULTS FOR TURBIDITY OR LEAD EXCEED THRESHOLDS, ALLOW AT LEAST 48 HOURS BEFORE RESAMPLING AND RETESTING.
4. DURING DRAWDOWN OBTAIN SAMPLES EVERY 8 HOURS AND RETEST. STOP PUMPING AND AWAIT TEST RESULTS. REPEAT STEP 1 AND SUBSEQUENT STEPS UNTIL POND IS DRAWN DOWN.

POND MAINTENANCE

1. COMPLETELY CLEAN THE BOTTOM OF THE POND WHEN SEDIMENT ACCUMULATIONS ARE MORE THAN 6" DEEP.
2. HAUL OFF SEDIMENT
3. PRESSURE WASH THE EXPOSED LINER, OCS, AND SKIMMER ASSEMBLY (INSIDE AND OUT).
4. MOISTEN SEDIMENTS DURING DRY WEATHER TO MITIGATE DUST.

DROP INLET MAINTENANCE

1. AFTER EACH RAINFALL EVENT, REMOVE DEBRIS, PLASTIC BAGS, SEDIMENT, OR ANY OTHER DETRITOUS THAT IMPEDES THE FLOW OF WATER THROUGH ALL THE GRATE OPENINGS. PROVIDE CONES AROUND PONDING AREAS DURING RAINFALL EVENTS.
2. THE CITY ACCEPTS NO RESPONSIBILITY TO OPERATE AND MAINTAIN CONTRACTORS WORK DURING WET WEATHER.

CHECK DAM MAINTENANCE

1. WHEN DISTURBED AREAS HAVE BEEN STABILIZED WITH VEGETATIVE COVER, CLEAN CHECK DAMS AND LEAVE THEM IN PLACE.

CONSTRUCTION EXIT MAINTENANCE

1. WHEN DISTURBED AREAS HAVE BEEN STABILIZED WITH VEGETATIVE COVER, CLEAN AND ADD MORE STONE IF NECESSARY.

NOTES:

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES.

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

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ANY DISTURBED AREA REMAINING IDLE FOR 30 DAYS SHALL BE STABILIZED WITH PERMANENT VEGETATION.

FOR TREE PROTECTION AND REMOVAL PLANS, SEE SHEETS C-102A, C-102B, AND C-102C.

AT CONTRACTOR'S OPTION, TEMPORARY SEDIMENT TANKS MAY BE UTILIZED IN LIEU OF SEDIMENT BASIN #1. SEE SHEET EC-012 FOR DETAILS.

GSWCC — Georgia Soil and Water Conservation Commission

Susan U. Major
Level II Certified Design Professional
Certification Number 0000028288
Issued: 12/15/2015 Expires: 12/15/2018

24 HOUR EROSION CONTROL CONTACT:
CMAR PRIMARY PERMITTEE
NAME: STEVE ORTMAN
ADDRESS: 300 CHURCHILL COURT
WOODSTOCK, GA 30188
PHONE : 404-427-3872

Know what's below. Call before you dig.

JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

EROSION AND SEDIMENT CONTROL
SEDIMENT BASIN #1
PHASE 2

No.	Description	Date
0	ISSUED FOR PERMITTING	9/25/2017
1	ISSUED FOR CONSTRUCTION	10/6/2017

PROJECT NO: 7383-E
DESIGNED BY: GW
DRAWN BY: JC
CHECKED BY: BS
DATE: 9-25-2017
SCALE: AS SHOWN

DRAWING NO.
EC-002B
SHEET OF

ACAD Rel: 19.1s (LMS Tech)
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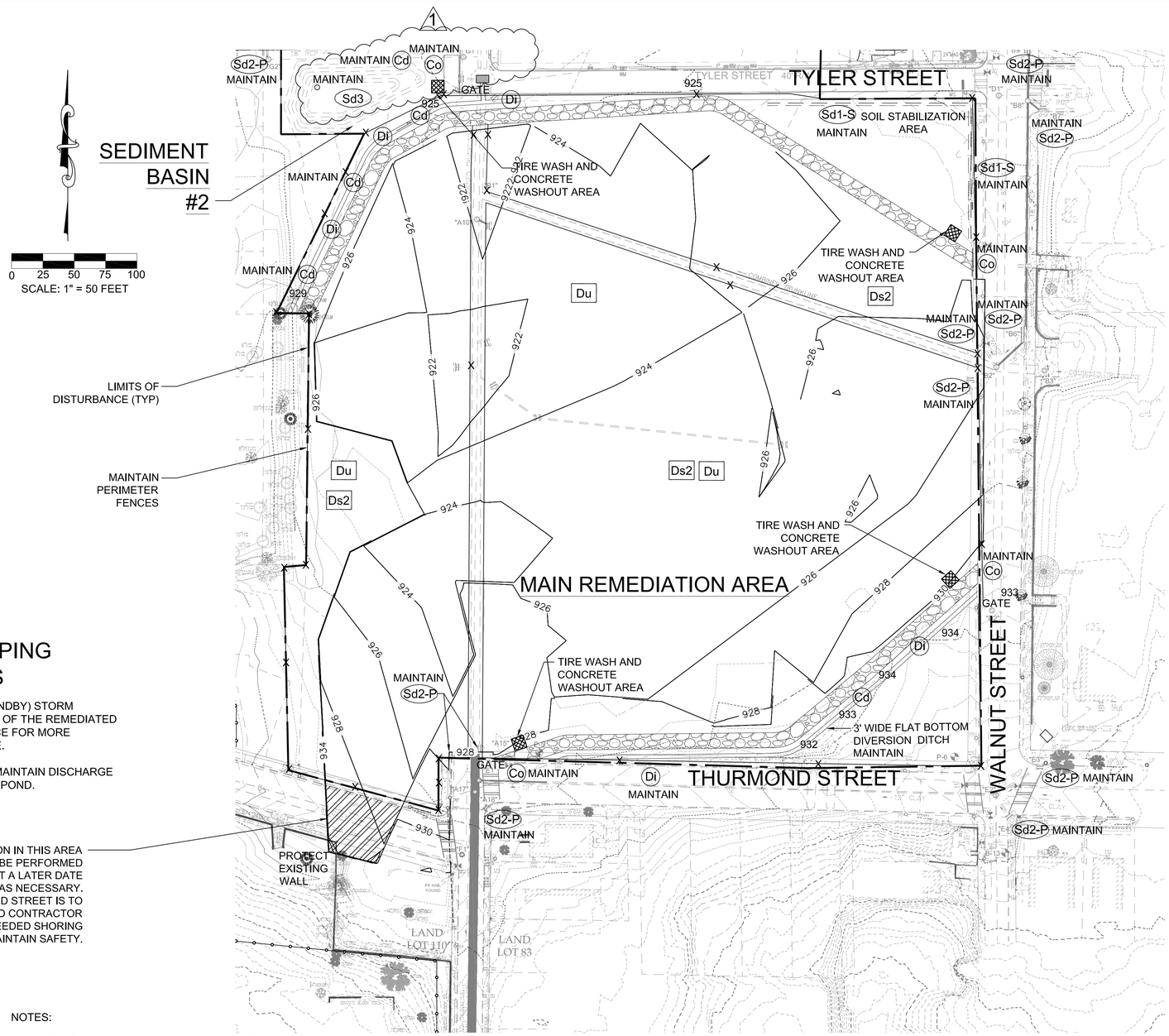
Plot Date: 10/5/2017 2:23 PM Plot By: SMajor Filename: O:\73_WS\T-2\000 Remediation EC Phase 2.dwg

LEGEND

- Co — CONSTRUCTION ENTRANCE
- Sd1-S — SILT FENCE
- Sd1-S / Ds1 / Sd1-S — = = = =
- Du — DUST CONTROL
- Ds1 — DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)
- Ds2 — DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)
- Ds3 — DISTURBED AREA STABILIZATION (WITH PERMANENT SEEDING)
- Cd — CHECK DAM
- Sd2-BG — BLOCK & GRAVEL INLET PROTECTION
- Sd2-P — CURB FILTER INLET
- Sd3 — TEMPORARY SEDIMENT BASIN
- Di — DIVERSION
- Sk — FLOATING SURFACE SKIMMER
- Tr — TREE PROTECTION
- —X— CHAIN LINK FENCE



LOW AREA PUMPING REQUIREMENTS

1. PROVIDE DUPLEX (DUTY-STANDBY) STORM WATER PUMPS AT LOW AREA(S) OF THE REMEDIATED AREA. NO PONDING OF SURFACE FOR MORE THAN 24 HOURS IS ACCEPTABLE.

2. FURNISH, CONSTRUCT AND MAINTAIN DISCHARGE PIPING TO THE WATER QUALITY POND.

DROP INLET MAINTENANCE

1. AFTER EACH RAINFALL EVENT, REMOVE DEBRIS, PLASTIC BAGS, SEDIMENT, OR ANY OTHER DETRITOUS THAT IMPEDES THE FLOW OF WATER THROUGH ALL THE GRATE OPENINGS. PROVIDE CONES AROUND PONDING AREAS DURING RAINFALL EVENTS.

2. THE CITY ACCEPTS NO RESPONSIBILITY TO OPERATE AND MAINTAIN CONTRACTORS WORK DURING WET WEATHER.

CHECK DAM MAINTENANCE

1. WHEN DISTURBED AREAS HAVE BEEN STABILIZED WITH VEGETATIVE COVER, CLEAN CHECK DAMS AND LEAVE THEM IN PLACE.

CONSTRUCTION EXIT MAINTENANCE

1. WHEN DISTURBED AREAS HAVE BEEN STABILIZED WITH VEGETATIVE COVER, CLEAN AND ADD MORE STONE IF NECESSARY.

INLET PROTECTION MAINTENANCE

1. WHEN DISTURBED AREAS HAVE BEEN STABILIZED WITH VEGETATIVE COVER, CLEAN INLET SEDIMENTATION BARRIERS.

NOTES:

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES.

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

ANY DISTURBED AREA REMAINING IDLE FOR 30 DAYS SHALL BE STABILIZED WITH PERMANENT VEGETATION.

FOR TREE PROTECTION AND REMOVAL PLANS, SEE SHEETS C-102A, C-102B, AND C-102C.

AT CONTRACTOR'S OPTION, TEMPORARY SEDIMENT TANKS MAY BE UTILIZED IN LIEU OF SEDIMENT BASIN #1. SEE SHEET EC-012 FOR DETAILS.

GSWCC — GEORGIA SOIL AND WATER CONSERVATION COMMISSION

Susan U. Major
Level II Certified Design Professional
CERTIFICATION NUMBER 0000028288
ISSUED: 12/15/2015 EXPIRES: 12/15/2018

24 HOUR EROSION CONTROL CONTACT:
CMAR PRIMARY PERMITTEE
NAME: STEVE ORTMAN
ADDRESS: 300 CHURCHILL COURT
WOODSTOCK, GA 30188
PHONE : 404-427-3872

Know what's below. Call before you dig. 811

GEORGIA REGISTERED No. PE 16510 PROFESSIONAL ENGINEER — Susan U. Major

CITY OF ATLANTA DEPARTMENT OF watershed management
JP2
5887 Glenridge Drive Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

No.	Description	Date
0	ISSUED FOR PERMITTING	9/25/2017
1	ISSUED FOR CONSTRUCTION	10/6/2017

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY
EROSION AND SEDIMENT CONTROL
MAIN REMEDIATION AREA
PHASE 2

PROJECT NO: 7383-E
DESIGNED BY: CW
DRAWN BY: JC
CHECKED BY: BS
DATE: 9-25-2017
SCALE: AS SHOWN

DRAWING NO.
EC-002C

SHEET OF

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LEGEND

- Co — CONSTRUCTION ENTRANCE
- Sd1-S — SILT FENCE
- Sd1-S / Ds1 / Sd1-S — DUST CONTROL
- Du — DUST CONTROL
- Ds1 — DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)
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- Sd2-P — CURB FILTER INLET
- Sd3 — TEMPORARY SEDIMENT BASIN
- Di — DIVERSION
- Sk — FLOATING SURFACE SKIMMER
- Tr — TREE PROTECTION
- —X— CHAIN LINK FENCE

REMEDIATION PHASE DUST CONTROL

1. PRIOR TO LAND DISTURBANCE ACTIVITIES WITHIN THE REMEDIATION AREA, CONTRACTOR SHALL MOISTEN SOILS TO BE DISTURBED WITH NON POTABLE TO PREVENT VISIBLE PLUMES OF DUST.

2. WHEN CONTAMINATED SOILS ARE LEFT EXPOSED, SOILS SHALL BE MOISTENED AT LEAST ONCE EACH DAY DURING DRY WEATHER.

3. STOCK PILES SHALL BE COMPLETELY COVERED WITH A NYLON TARP AND TETHERED TO THE GROUND WITH STAKES TO PREVENT THE COVERING FROM BLOWING AWAY. WHEN NECESSARY, PROVIDE ADDITIONAL TETHERS FOR WINDY DAY CONDITIONS.

REMEDIATION ACCESS CONTROL

1. PROVIDE A SECURED PERIMETER FENCE AROUND THE ENTIRE REMEDIATION AREA WITH A GATE(S) THAT CAN BE CHAINED AND LOCKED SHUT AT ALL TIMES BEFORE, DURING, AND AFTER CONSTRUCTION ACTIVITIES. EACH TRUCK OR EQUIPMENT ENTERING OR LEAVING THE AREA SHALL UNLOCK, OPEN, THEN LOCK THE GATE.

2. POST THE PERIMETER FENCE WITH CAUTIONARY SIGNAGE.

3. HAND DIG OR SCRAPE SOIL ABOVE EXISTING BRICK SEWERS. NO EQUIPMENT OR TRUCKS ARE PERMITTED TO CROSS BRICK SEWERS.

4. DURING NON-WORK HOURS AFTER DARK, MONITOR AND/OR PATROL AREAS FOR UNAUTHORIZED PEOPLE. CALL 911 TO ESCORT ANY PERSON DISCOVERED ON THE SITE.

REMEDIATION PUMPING REQUIREMENTS

1. PROVIDE DUPLEX (DUTY-STANDBY) STORM WATER PUMPS AT LOW AREA(S) OF THE REMEDIATION AREA. NO PONDING OF SURFACE FOR MORE THAN 24 HOURS IS ACCEPTABLE.

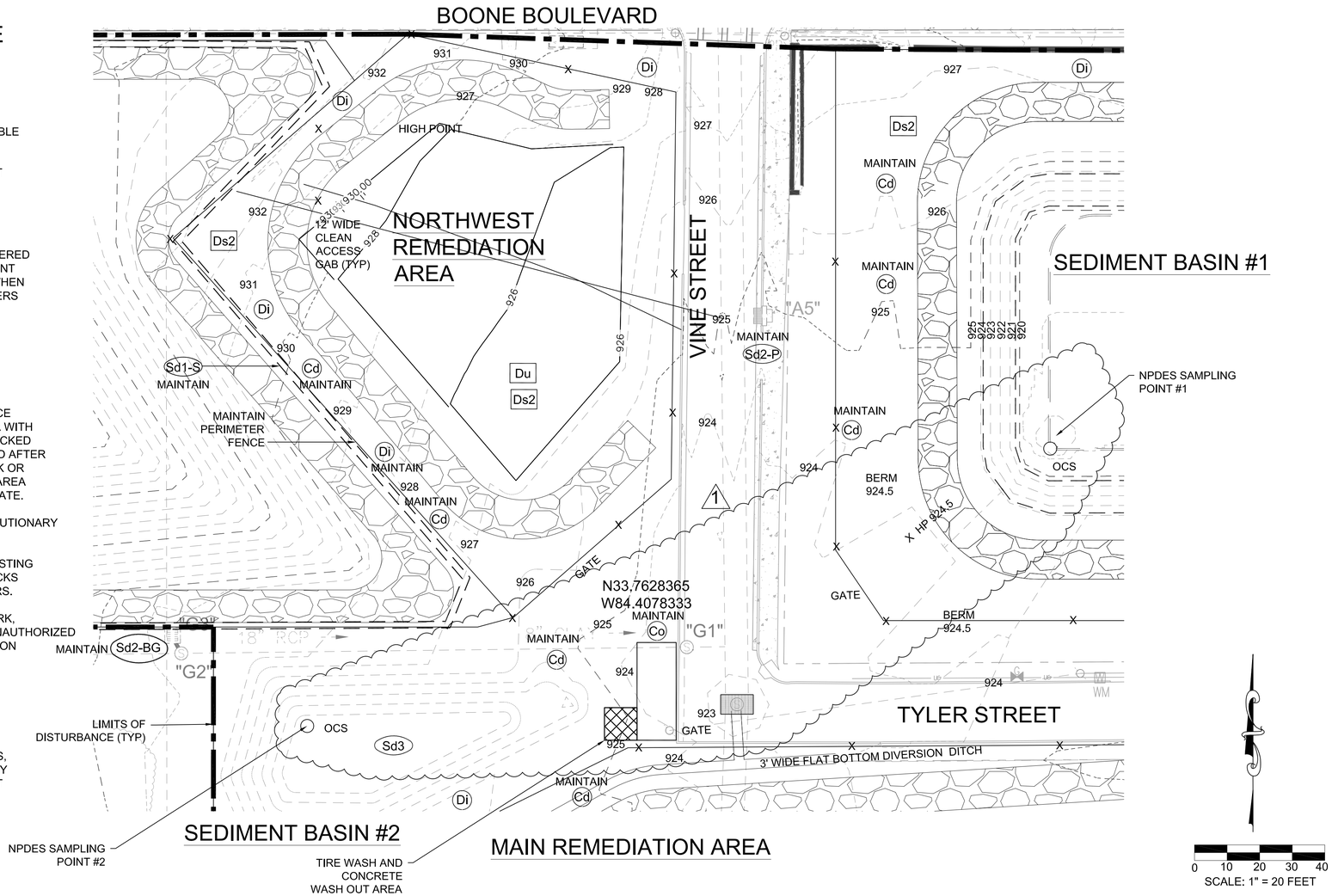
2. FURNISH, CONSTRUCT AND MAINTAIN DISCHARGE PIPING TO THE WATER QUALITY POND.

DIVERSION DITCH REQUIREMENTS

1. ON A DAILY OR MORE FREQUENT BASIS, VISUALLY INSPECT DITCHES, REMOVE ANY DEBRIS OR SEDIMENT, AND ENSURE THAT SURFACE DRAINAGE FREELY FLOWS.

CONSTRUCTION EXIT

1. AT CONTRACTOR'S OPTION, MAKE A SINGLE GRAVEL ENTRANCE/EXIT FOR ALL THREE WORK AREAS AT NO ADDITIONAL COST TO THE CITY OF ATLANTA.



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SCALE: 1" = 20 FEET

NOTES:

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FOR TREE PROTECTION AND REMOVAL PLANS, SEE SHEETS C-102A, C-102B, AND C-102C.

AT CONTRACTOR'S OPTION, TEMPORARY SEDIMENT TANKS MAY BE UTILIZED IN LIEU OF SEDIMENT BASIN #1. SEE SHEET EC-012 FOR DETAILS.

GSWCC — Georgia Soil and Water Conservation Commission

Susan U. Major
Level II Certified Design Professional
Certification Number 0000028288
Issued: 12/15/2015 Expires: 12/15/2018

24 HOUR EROSION CONTROL CONTACT:
CMAR PRIMARY PERMITTEE
NAME: STEVE ORTMAN
ADDRESS: 300 CHURCHILL COURT
WOODSTOCK, GA 30188
PHONE : 404-427-3872

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GEORGIA — Susan U. Major — No. PE016710 — Professional Engineer

CITY OF ATLANTA DEPARTMENT OF watershed management

JP2
5587 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

EROSION AND SEDIMENT CONTROL
NORTHWEST REMEDIATION AREA
PHASE 2

No.	Description	Date
0	ISSUED FOR PERMITTING	9/25/2017
1	ISSUED FOR CONSTRUCTION	10/6/2017

PROJECT NO: 7383-E
DESIGNED BY: CW
DRAWN BY: JC
CHECKED BY: BS
DATE: 9-25-2017
SCALE: AS SHOWN

DRAWING NO.
EC-002D

SHEET OF

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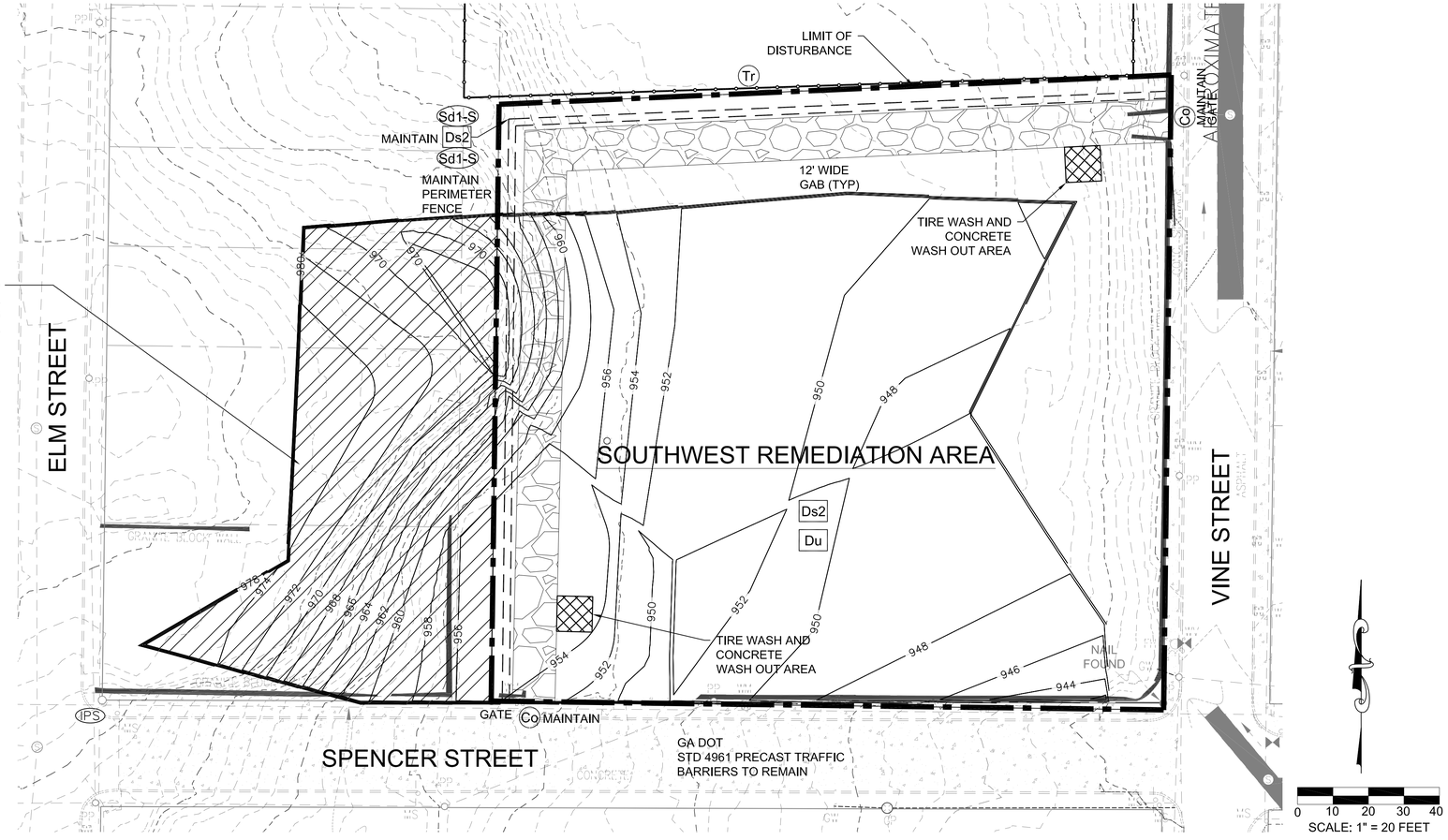
- Tr — TREE PROTECTION
- —X— CHAIN LINK FENCE

REMEDIATION IN THIS AREA TO BE PERFORMED AT A LATER DATE AS NECESSARY. CONTRACTOR IS RESPONSIBLE FOR ANY NEEDED SHORING TO PROTECT PROPERTY AND MAINTAIN SAFETY.



PUMPING REQUIREMENTS

1. PROVIDE DUPLEX (DUTY-STANDBY) STORM WATER PUMPS AT LOW AREA(S) OF THE REMEDIATION AREA. NO PONDING OF SURFACE FOR MORE THAN 24 HOURS IS ACCEPTABLE.

2. FURNISH, CONSTRUCT AND MAINTAIN DISCHARGE PIPING TO THE WATER QUALITY POND.

NOTES:

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GSWCC — Georgia Soil and Water Conservation Commission

Susan U. Major
Level II Certified Design Professional
Certification Number 0000028288
Issued: 12/15/2015 Expires: 12/15/2018

24 HOUR EROSION CONTROL CONTACT:
CMAR PRIMARY PERMITTEE
NAME: STEVE ORTMAN
ADDRESS: 300 CHURCHILL COURT
WOODSTOCK, GA 30188
PHONE : 404-427-3872

GEORGIA REGISTERED No. PE16710 PROFESSIONAL ENGINEER SUSAN U. MAJOR

811 Know what's below. Call before you dig.

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY
EROSION AND SEDIMENT CONTROL
SOUTHWEST REMEDIATION AREA
PHASE 2

JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

No.	Description	Date
0	ISSUED FOR PERMITTING	9/25/2017

PROJECT NO: 7383-E
DESIGNED BY: GW
DRAWN BY: JC
CHECKED BY: BS
DATE: 9-25-2017
SCALE: AS SHOWN

DRAWING NO. EC-002E

SHEET OF

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LEGEND

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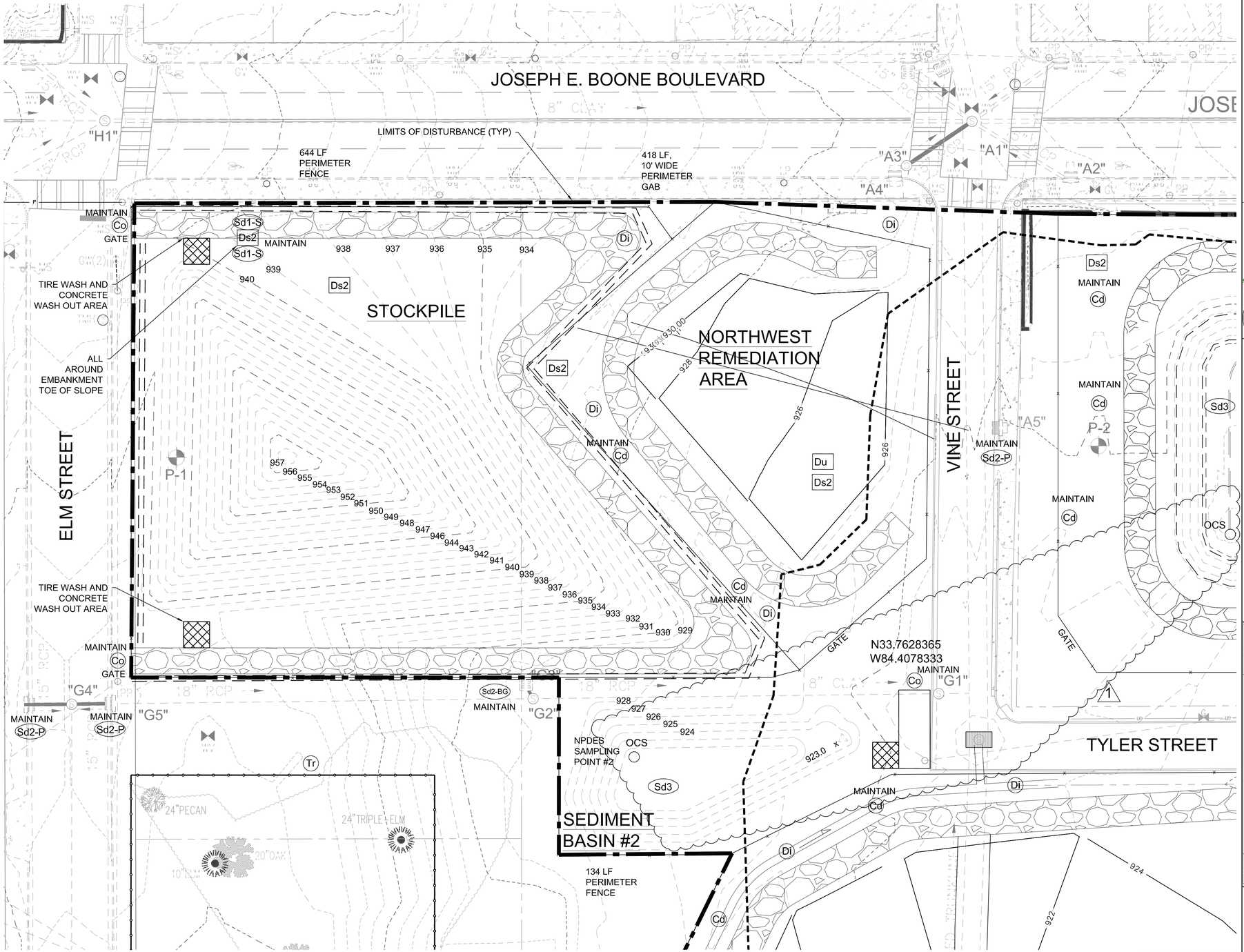
SCALE: 1" = 20 FEET



STOCKPILE NOTES

1. FILL MATERIAL SHALL CONSIST OF BROKEN CONCRETE, CHUNKS OF ASPHALT, BRICKS, ROADWAY DEMOLITION, AND COMMON EXCAVATION MATERIALS NO LARGER THAN 2" IN DIAMETER.

3. NO TREES, STUMPS, ROOTS OR OTHER VEGETATIVE MATERIAL SHALL BE STOCKPILED.

4. ON A DAILY BASIS DURING DRY WEATHER, MOISTEN FILL MATERIAL TO MITIGATE DUST.

5. INSPECT AND MAINTAIN PERIMETER BMPS EACH DAY.

6. PLACE STOCKPILED MATERIAL IN FILLS TO MORE THAN 5 OR 6 FEET TO FINSHED GRADES.

7. EMBANKMENT SLOPES SHALL BE NO STEEPER THAN 3:1 (H:V).

8. ALL GAB SHALL MATCH EXISTING GROUND AND COMPACTED TO 95% PROCTOR DENSITY. PROOFROLL SUBGRADES BEFORE PLACING GAB.

9. MATERIALS IN CONTACT WITH SOILS THAT HAVE NOT BEEN REMEDIATED SHALL NOT BE STOCKPILED IN THIS AREA.

NOTES:

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EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

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FOR TREE PROTECTION AND REMOVAL PLANS, SEE SHEETS C-102A, C-102B, AND C-102C.

GSWCC — Georgia Soil and Water Conservation Commission

Susan U. Major
Level II Certified Design Professional
Certification Number 0000028288
Issued: 12/15/2015 Expires: 12/15/2018

24 HOUR EROSION CONTROL CONTACT:
CMAR PRIMARY PERMITTEE
NAME: STEVE ORTMAN
ADDRESS: 300 CHURCHILL COURT
WOODSTOCK, GA 30188
PHONE : 404-427-3872

AT CONTRACTOR'S OPTION, TEMPORARY SEDIMENT TANKS MAY BE UTILIZED IN LIEU OF SEDIMENT BASIN #1. SEE SHEET EC-012 FOR DETAILS.

Know what's below. Call before you dig. 811

GEORGIA — Susan U. Major — No. PE 21610 — PROFESSIONAL ENGINEER

City of Atlanta Department of watershed management

jp2 — JP2, 5887 Glenridge Drive, Suite 300, Atlanta, GA. 30328, Phone: 404.978.3300, Fax: 404.978.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY
EROSION AND SEDIMENT CONTROL
NORTHWEST STOCKPILE AREA
PHASE 2

No.	Description	Date
0	ISSUED FOR PERMITTING	9/25/2017
1	ISSUED FOR CONSTRUCTION	10/6/2017

PROJECT NO: 7383-E
DESIGNED BY: GWM
DRAWN BY: JC
CHECKED BY: BS
DATE: 9-25-2017
SCALE: AS SHOWN

DRAWING NO.
EC-002F
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REMEDIATION PHASE STORM WATER MANAGEMENT NOTES

1. ALL SOIL THAT HAS NOT BEEN REMEDIATED SHALL NOT BE IN CONTACT WITH CITY STREETS & CLEAN ACCESS GRAVEL. ON A DAILY BASIS DURING DRY WEATHER, MOISTEN ALL SOILS THAT HAVE NOT BEEN REMEDIATED TO MITIGATE DUST.

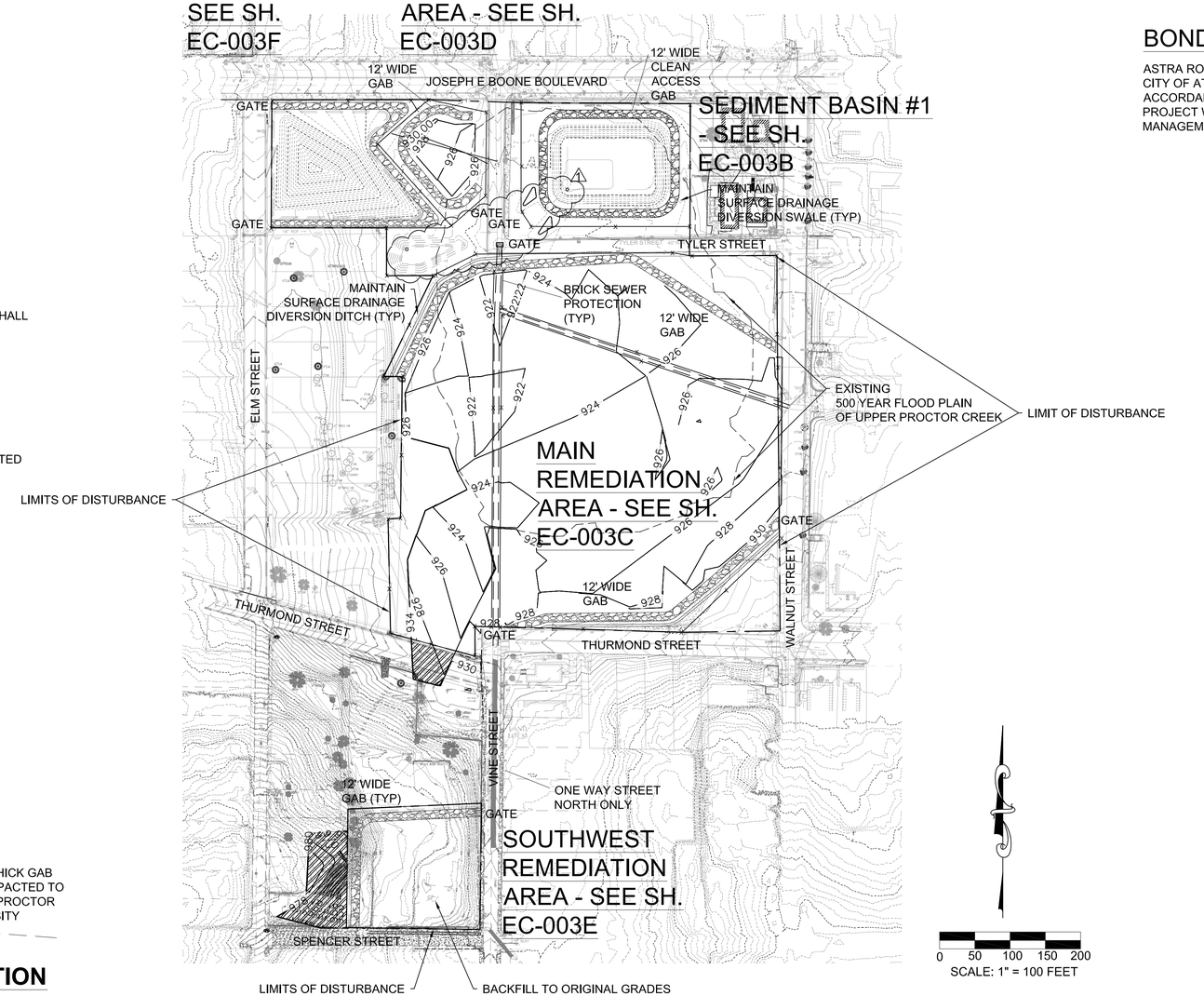
2. STORM WATER DIVERSION DITCHES AND SWALES SHALL BE INPECTED DAILY. PLASTIC BAGS, DETRITUS, AND SEDIMENTS SHALL BE REMOVED SO AS NOT TO IMPEDE THE FREE FLOW OF WATER AT ALL TIMES.

3. THE INTERSECTION OF TYLER AND VINE STREETS IS KNOWN TO FLOOD. DURING AND AFTER EACH RAINFALL EVENT, CONTRACTOR SHALL GO TO THE SITE AND PLACE TRAFFIC CONES AROUND THE PERIMETER OF ANY PONDING AREA. AFTER PONDING SUBSIDES, REMOVE THE CONES UNTIL THE NEXT RAINFALL EVENT. CLEAN THE GRATES OF CONTRACTORS DROP INLET THAT DRAINS TO THE BRICK SEWER BELOW. THE CITY OF ATLANTA WILL NOT MAINTAIN OR OPERATE ANY SURFACE DRAINAGE DIVERSIONS, DITCHES, AND SWALES.

4. CONTRACTOR SHALL BE RESPONSIBLE TO ASSURE NO SOILS IN CONTACT WITH SOILS TO BE REMEDIATED ARE PLACED ON THE CLEAN ACCESS WAYS OR CITY STREETS. TRUCKS HAULING CONTAMINATED MATERIALS SHALL BE COVERED.

5. NO STANDING WATER IS PERMITTED TO BE IN LOW AREAS FOR MORE THAN 24 HOURS IN ANY OF THE REMEDIATION AREAS. FURNISH, OPERATE AND MAINTAIN 2 PUMPS AT EACH LOW AREA AS DUTY-STANDBY. OPERATE THE DUTY PUMP ONLY, NOT BOTH. PIPE DISCHARGE TO THE SOUTHEAST CORNER OF THE REMEDIATION POND. LEVEL REMEDIATION EXCAVATIONS TO AVOID PONDING DURING WET WEATHER.

6. IN DEMOLITION AND TREE REMOVAL AREAS IN CONTACT WITH CONTAMINATED SOILS, REMOVE CONTAMINATED SOIL BEFORE HAULING MATERIALS OFF THE SITE.



CLEAN ACCESS TYPICAL SECTION

1. NO TRUCKS OR EQUIPMENT IN CONTACT WITH SOILS TO BE REMEDIATED ARE PERMITTED TO USE THE CLEAN ACCESS GRAVEL ROADWAY.

2. USE CLEAN ACCESS FOR HAULING, DUST CONTROL, AND MOVEMENT OF REMEDIATION EQUIPMENT AFTER AREAS HAVE BEEN REMEDIATED. ACCESS FROM CITY STREETS IS ALSO PERMITTED.

BOND STATEMENT

ASTRA ROHADFOX, AS THE CONSTRUCTION MANAGER AT RISK (CMAR) FOR THE CITY OF ATLANTA. HAS PROVIDED A PERFORMANCE AND PAYMENT BOND IN ACCORDANCE WITH CONTRACT AGREEMENT FOR THE RODNEY COOK, SR PROJECT WITH THE CITY OF ATLANTA DEPARTMENT OF WATER SHED MANAGEMENT.

NOTES:

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES.

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ANY DISTURBED AREA REMAINING IDLE FOR 30 DAYS SHALL BE STABILIZED WITH PERMANENT VEGETATION.

GSWCC Georgia Soil and Water Conservation Commission

Susan U. Major
Level II Certified Design Professional
CERTIFICATION NUMBER 0000028288
ISSUED: 12/15/2015 EXPIRES: 12/15/2018

24 HOUR EROSION CONTROL CONTACT:
CMAR PRIMARY PERMITTEE
NAME: STEVE ORTMAN
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jp2
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Phone: 404.979.3300 Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY
EROSION AND SEDIMENT CONTROL OVERALL REMEDIATION PLAN PHASE 3

No.	Description	Date
0	ISSUED FOR PERMITTING	9/25/2017
1	ISSUED FOR CONSTRUCTION	10/6/2017

PROJECT NO: 7383-E
DESIGNED BY: GW
DRAWN BY: JC
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SCALE: AS SHOWN

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EC-003A

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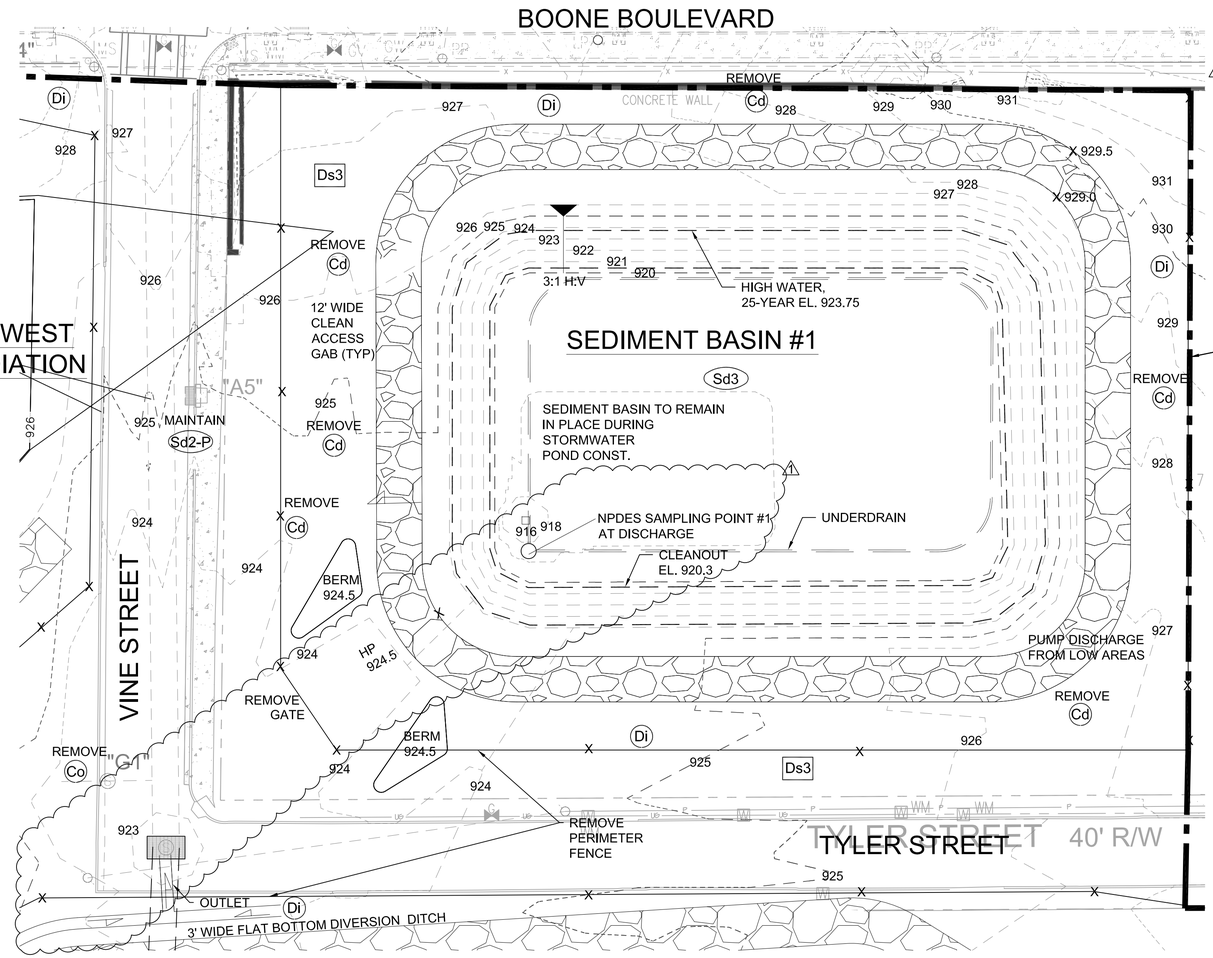
Plot Date: 10/5/2017 2:32 PM Plot By: SMajor Filename: O:\73_WS\T-2\000 Remediation EC Phase-3.dwg

LEGEND

- (Co) CONSTRUCTION ENTRANCE
- (Sd1-S) SILT FENCE
- (Sd1-S) / [Ds1] / (Sd1-S) DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)
- [Du] DUST CONTROL
- [Ds1] DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)
- [Ds2] DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)
- [Ds3] DISTURBED AREA STABILIZATION (WITH PERMANENT SEEDING)
- (Cd) CHECK DAM
- (Sd2-BG) BLOCK & GRAVEL INLET PROTECTION
- (Sd2-P) CURB FILTER INLET
- (Sd3) TEMPORARY SEDIMENT BASIN
- (Di) DIVERSION
- (Sk) FLOATING SURFACE SKIMMER
- (Tr) TREE PROTECTION
- —X— CHAIN LINK FENCE

0 10 20 30 40
SCALE: 1" = 20 FEET



POND RELEASE PROCEDURES:

1. AFTER REMEDIATION IS COMPLETE THERE IS NO NEED TO CHEMICALLY TEST THE WATER.

2. DEWATERING PUMPING SHALL BE PERFORMED FROM THE SURFACE OF THE POND.

NOTES:

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES.

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

ANY DISTURBED AREA REMAINING IDLE FOR 30 DAYS SHALL BE STABILIZED WITH PERMANENT VEGETATION.

FOR TREE PROTECTION AND REMOVAL PLANS, SEE SHEETS C-102A, C-102B, AND C-102C.

NOTE: AT CONTRACTOR'S OPTION, PORTABLE SEDIMENT TANKS MAY BE UTILIZED IN LIEU OF SEDIMENT BASIN #1. SEE SHEET EC-012 FOR DETAILS.

GSWCC Georgia Soil and Water Conservation Commission

Susan U. Major
Level II Certified Design Professional
Certification Number 0000028288
Issued: 12/15/2015 Expires: 12/15/2018

24 HOUR EROSION CONTROL CONTACT:
CMAR PRIMARY PERMITTEE
NAME: STEVE ORTMAN
ADDRESS: 300 CHURCHILL COURT
WOODSTOCK, GA 30188
PHONE : 404-427-3872

Know what's **below.** **Call** before you dig.

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. PE16710 Susan U. Major

CITY OF ATLANTA DEPARTMENT OF watershed management
JP2
5887 Glenridge Drive Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY
EROSION AND SEDIMENT CONTROL
SEDIMENT BASIN #1 PHASE 3

No.	Description	Date
0	ISSUED FOR PERMITTING	9/25/2017
1	ISSUED FOR CONSTRUCTION	10/6/2017

PROJECT NO: 7383-E
DESIGNED BY: GW
DRAWN BY: JC
CHECKED BY: BS
DATE: 9-25-2017
SCALE: AS SHOWN

DRAWING NO.
EC-003B

SHEET OF

ACAD Rel: 19.1s (LMS Tech)
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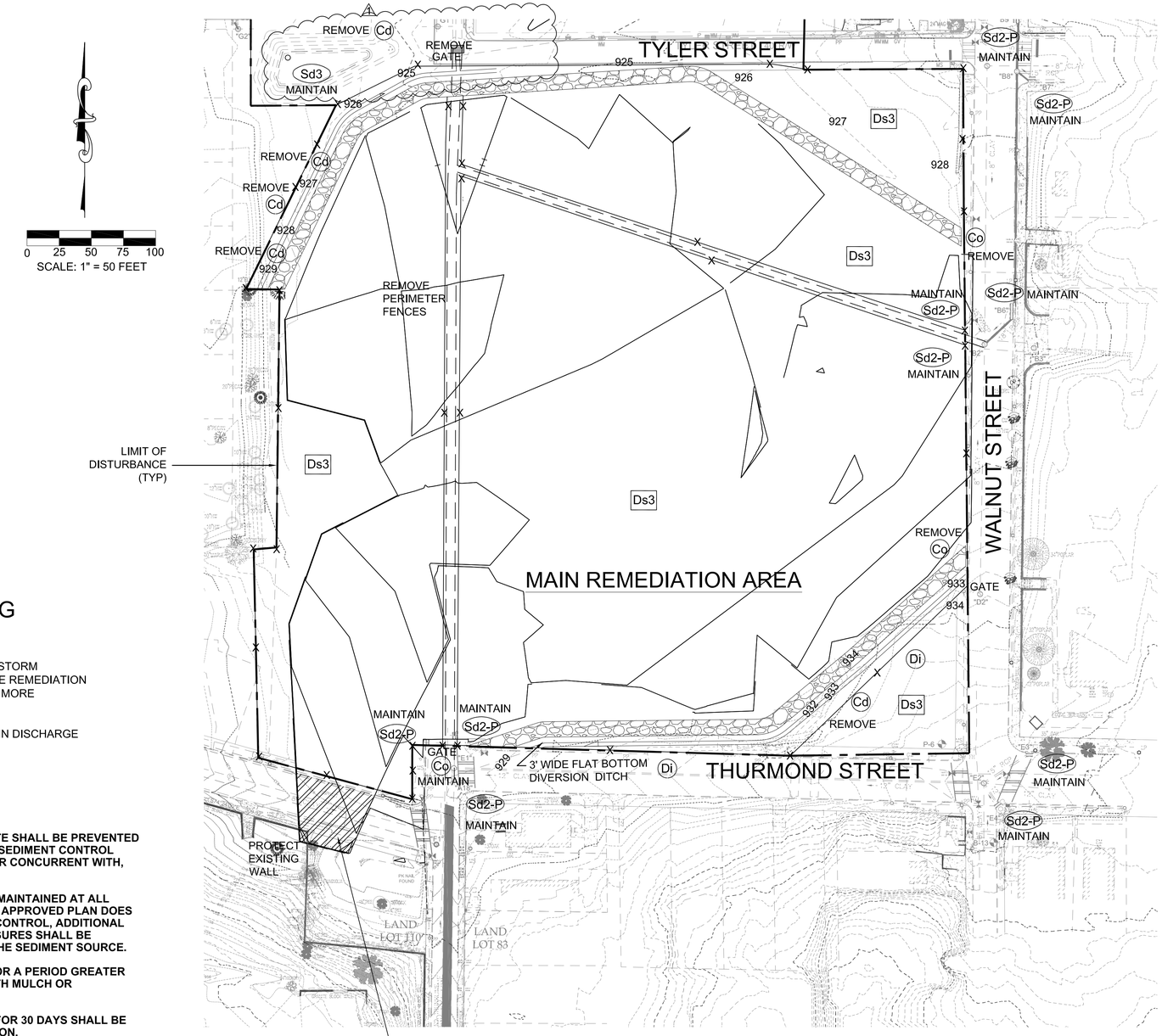
Last Saved: 9/22/2017 2:07 PM Saved By: SMajor

Plot Date: 10/5/2017 2:36 PM Plot By: SMajor Filename: O:\73_WS\T-2\000 Remediation EC Phase-3.dwg

LEGEND

- Co — CONSTRUCTION ENTRANCE
- Sd1-S — SILT FENCE
- Sd1-S / Ds1 / Sd1-S — SILT FENCE / DISTURBED AREA STABILIZATION (WITH MULCHING ONLY) / SILT FENCE
- Du — DUST CONTROL
- Ds1 — DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)
- Ds2 — DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)
- Ds3 — DISTURBED AREA STABILIZATION (WITH PERMANENT SEEDING)
- Cd — CHECK DAM
- Sd2-BG — BLOCK & GRAVEL INLET PROTECTION
- Sd2-P — CURB FILTER INLET
- Sd3 — TEMPORARY SEDIMENT BASIN
- Di — DIVERSION
- Sk — FLOATING SURFACE SKIMMER
- Tr — TREE PROTECTION
- —X— CHAIN LINK FENCE



LOW AREA PUMPING REQUIREMENTS

1. PROVIDE DUPLEX (DUTY-STANDBY) STORM WATER PUMPS AT LOW AREA(S) OF THE REMEDIATION AREA. NO PONDING OF SURFACE FOR MORE THAN 24 HOURS IS ACCEPTABLE.

2. FURNISH, CONSTRUCT AND MAINTAIN DISCHARGE PIPING TO THE SEDIMENT BASIN.

NOTES:

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES.

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

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ANY DISTURBED AREA REMAINING IDLE FOR 30 DAYS SHALL BE STABILIZED WITH PERMANENT VEGETATION.

FOR TREE PROTECTION AND REMOVAL PLANS, SEE SHEETS C-102A, C-102B, AND C-102C.

REMEDIATION IN THIS AREA TO BE PERFORMED AT A LATER DATE AS NECESSARY. THURMOND STREET IS TO REMAIN OPEN AND CONTRACTOR IS RESPONSIBLE FOR ANY NEEDED SHORING TO PROTECT PROPERTY AND MAINTAIN SAFETY.

GSWCC Georgia Soil and Water Conservation Commission

Susan U. Major
Level II Certified Design Professional
Certification Number 0000028288
Issued: 12/15/2015 Expires: 12/15/2018

24 HOUR EROSION CONTROL CONTACT:
CMAR PRIMARY PERMITTEE
NAME: STEVE ORTMAN
ADDRESS: 300 CHURCHILL COURT
WOODSTOCK, GA 30188
PHONE : 404-427-3872

811 Know what's **below.** **Call** before you dig.

Georgia Registered Professional Engineer No. PE16510 Professional Engineer Susan U. Major

City of Atlanta Department of watershed management
JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY
EROSION AND SEDIMENT CONTROL
MAIN REMEDIATED AREA
PHASE 3

No.	Description	Date
0	ISSUED FOR PERMITTING	9/25/2017
1	ISSUED FOR CONSTRUCTION	10/6/2017

PROJECT NO: 7383-E
DESIGNED BY: GW
DRAWN BY: JC
CHECKED BY: BS
DATE: 9-25-2017
SCALE: AS SHOWN

DRAWING NO.
EC-003C

SHEET OF

ACAD Rel: 19.1s (LMS Tech)
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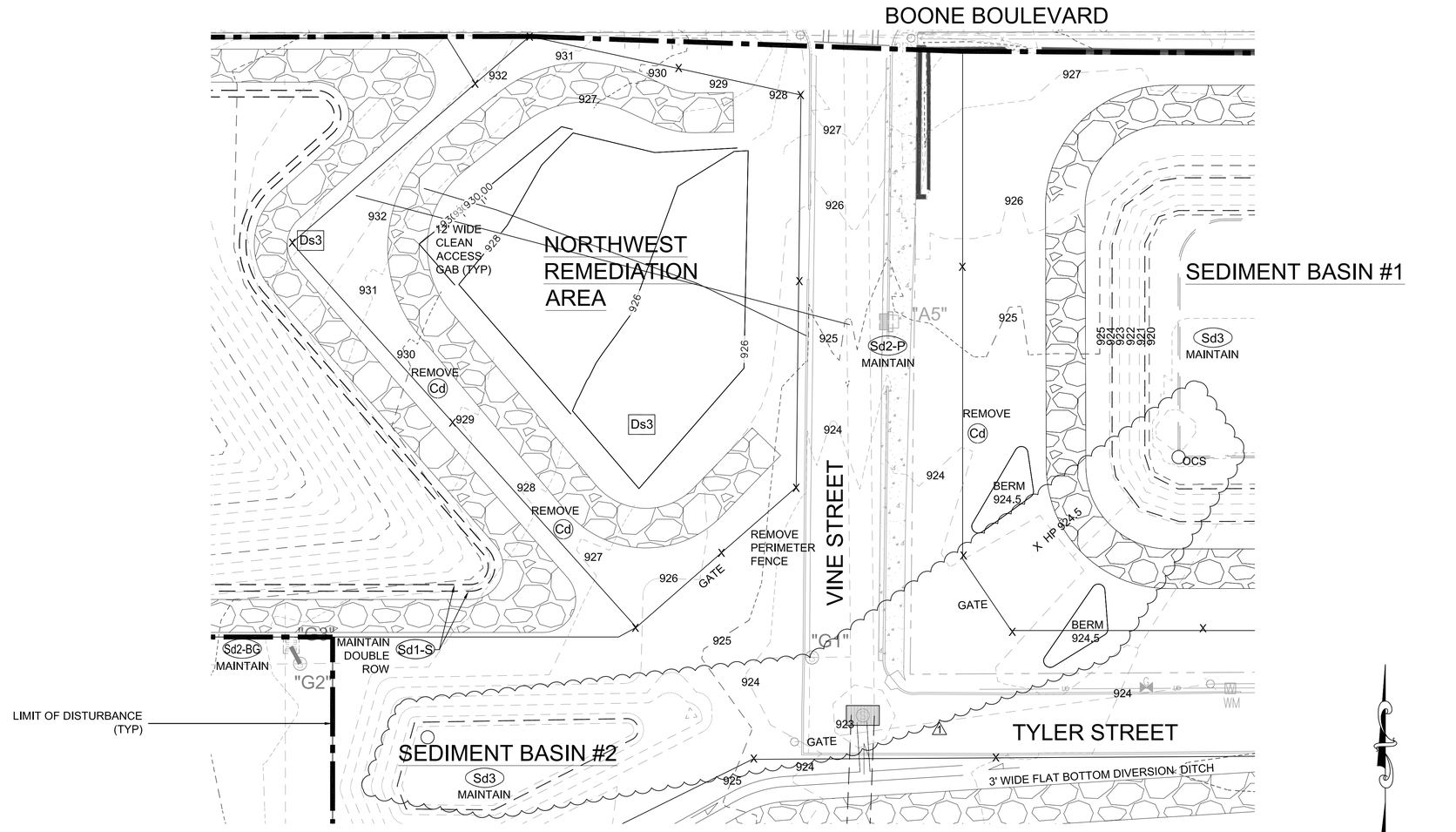
Last Saved: 9/22/2017 2:07 PM Saved By: SMajor

Plot Date: 10/5/2017 2:56 PM Plot By: SMajor Filename: O:\73_WS\T-2\000 Remediation EC Phase-3.dwg

LEGEND

- Co — CONSTRUCTION ENTRANCE
- Sd1-S — SILT FENCE
- Sd1-S / Ds1 / Sd1-S — DUST CONTROL
- Du — DUST CONTROL
- Ds1 — DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)
- Ds2 — DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)
- Ds3 — DISTURBED AREA STABILIZATION (WITH PERMANENT SEEDING)
- Cd — CHECK DAM
- Sd2-BG — BLOCK & GRAVEL INLET PROTECTION
- Sd2-P — CURB FILTER INLET
- Sd3 — TEMPORARY SEDIMENT BASIN
- Di — DIVERSION
- Sk — FLOATING SURFACE SKIMMER
- Tr — TREE PROTECTION
- —X— CHAIN LINK FENCE



0 10 20 30 40
SCALE: 1" = 20 FEET

PUMPING REQUIREMENTS

1. PROVIDE DUPLEX (DUTY-STANDBY) STORM WATER PUMPS AT LOW AREA(S) OF THE REMEDIATION AREA. NO PONDING OF SURFACE FOR MORE THAN 24 HOURS IS ACCEPTABLE.

2. FURNISH, CONSTRUCT AND MAINTAIN DISCHARGE PIPING TO THE WATER QUALITY POND.

NOTES:

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES.

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

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GSWCC Georgia Soil and Water Conservation Commission

Susan U. Major
Level II Certified Design Professional
Certification Number 0000028288
Issued: 12/15/2015 Expires: 12/15/2018

24 HOUR EROSION CONTROL CONTACT:
CMAR PRIMARY PERMITTEE
NAME: STEVE ORTMAN
ADDRESS: 300 CHURCHILL COURT
WOODSTOCK, GA 30188
PHONE : 404-427-3872

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GEORGIA REGISTERED Susan U. Major No. PE16510 PROFESSIONAL ENGINEER

CITY OF ATLANTA DEPARTMENT OF watershed management
JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY
EROSION AND SEDIMENT CONTROL
NORTHWEST REMEDIATION AREA
PHASE 3

No.	Description	Date
0	ISSUED FOR PERMITTING	9/25/2017
1	ISSUED FOR CONSTRUCTION	10/6/2017

PROJECT NO: 7383-E
DESIGNED BY: GW
DRAWN BY: JC
CHECKED BY: BS
DATE: 9-25-2017
SCALE: AS SHOWN

DRAWING NO.
EC-003D

SHEET OF

ACAD Rel: 19.1s (LMS Tech)
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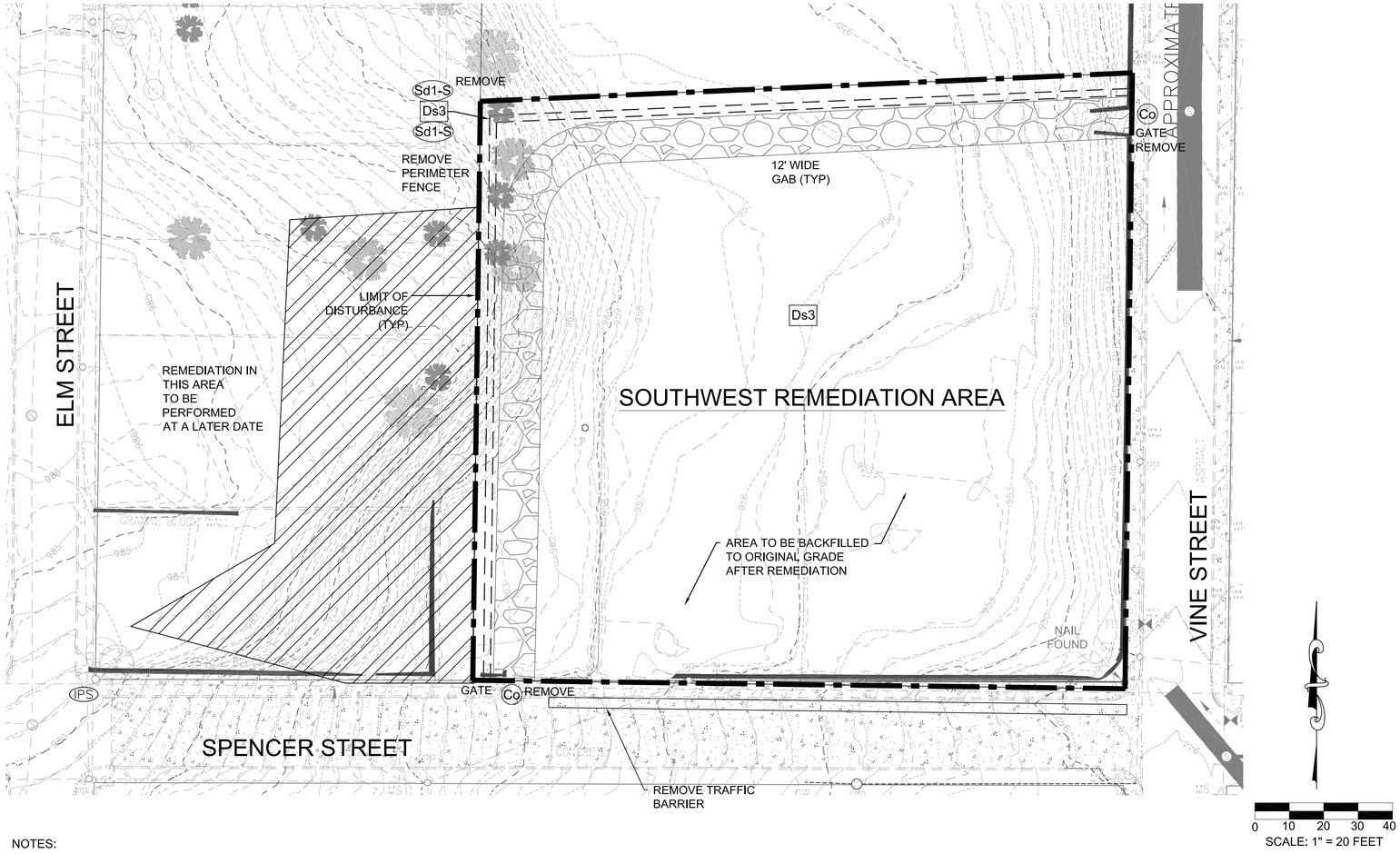
Last Saved: 9/22/2017 2:07 PM Saved By: SMajor

Plot Date: 10/5/2017 2:48 PM Plot By: SMajor Filename: O:\73_WS\T-2\000 Remediation EC Phase-3.dwg

LEGEND

- Co — CONSTRUCTION ENTRANCE
- Sd1-S — SILT FENCE
- Sd1-S / Ds1 / Sd1-S — SILT FENCE / DISTURBED AREA STABILIZATION (WITH MULCHING ONLY) / SILT FENCE
- Du — DUST CONTROL
- Ds1 — DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)
- Ds2 — DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)
- Ds3 — DISTURBED AREA STABILIZATION (WITH PERMANENT SEEDING)
- Cd — CHECK DAM
- Sd2-BG — BLOCK & GRAVEL INLET PROTECTION
- Sd2-P — CURB FILTER INLET
- Sd3 — TEMPORARY SEDIMENT BASIN
- Di — DIVERSION
- Sk — FLOATING SURFACE SKIMMER
- Tr — TREE PROTECTION
- —X— CHAIN LINK FENCE



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DIRT STATEMENT:

1. REFILL THE REMEDIATION GRADES TO EXISTING GRADES REQUIRES 8,800 CUBIC YARDS OF FILL.

2. COMPACT THE UPPER THREE FEET TO 80% (MIN) PROCTOR DENSITY WITH CLEAN MATERIAL. PROOF ROLL THE TOP OF THE REFILL.

3. OBTAIN A HAUL ROUTE PERMIT FROM THE CITY OF ATLANTA PRIOR TO PLACING ANY FILL.

4. IN AREAS TO RECEIVE 6' OR MORE FEET OF FILL, IT IS ACCEPTABLE TO PLACE BROKEN CONCRETE IN CHUNKS 3 FEET OR LESS IN ANY DIMENSION, BROKEN ASPHALT, AND OTHER ROADWAY DEMOLITION IN THE BOTTOM TO A DEPTH NO HIGHER THAN 4 FEET FROM ORIGINAL GRADES SHOWN ON THIS PLAN.

GSWCC Georgia Soil and Water Conservation Commission

Susan U. Major
Level II Certified Design Professional
Certification Number 0000028288
Issued: 12/15/2015 Expires: 12/15/2018

24 HOUR EROSION CONTROL CONTACT:
CMAR PRIMARY PERMITTEE
NAME: STEVE ORTMAN
ADDRESS: 300 CHURCHILL COURT
WOODSTOCK, GA 30188
PHONE : 404-427-3872

GEORGIA REGISTERED No. PE16710 PROFESSIONAL ENGINEER SUSAN U. MAJOR

811 Know what's below. Call before you dig.

City of Atlanta Department of watershed management
JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

EROSION AND SEDIMENT CONTROL
SOUTHWEST REMEDIATION AREA
PHASE 3

No.	Description	Date
0	ISSUED FOR PERMITTING	9/25/2017

PROJECT NO: 7383-E
DESIGNED BY: CW
DRAWN BY: JC
CHECKED BY: BS
DATE: 9-25-2017
SCALE: AS SHOWN

DRAWING NO.
EC-003E

SHEET OF

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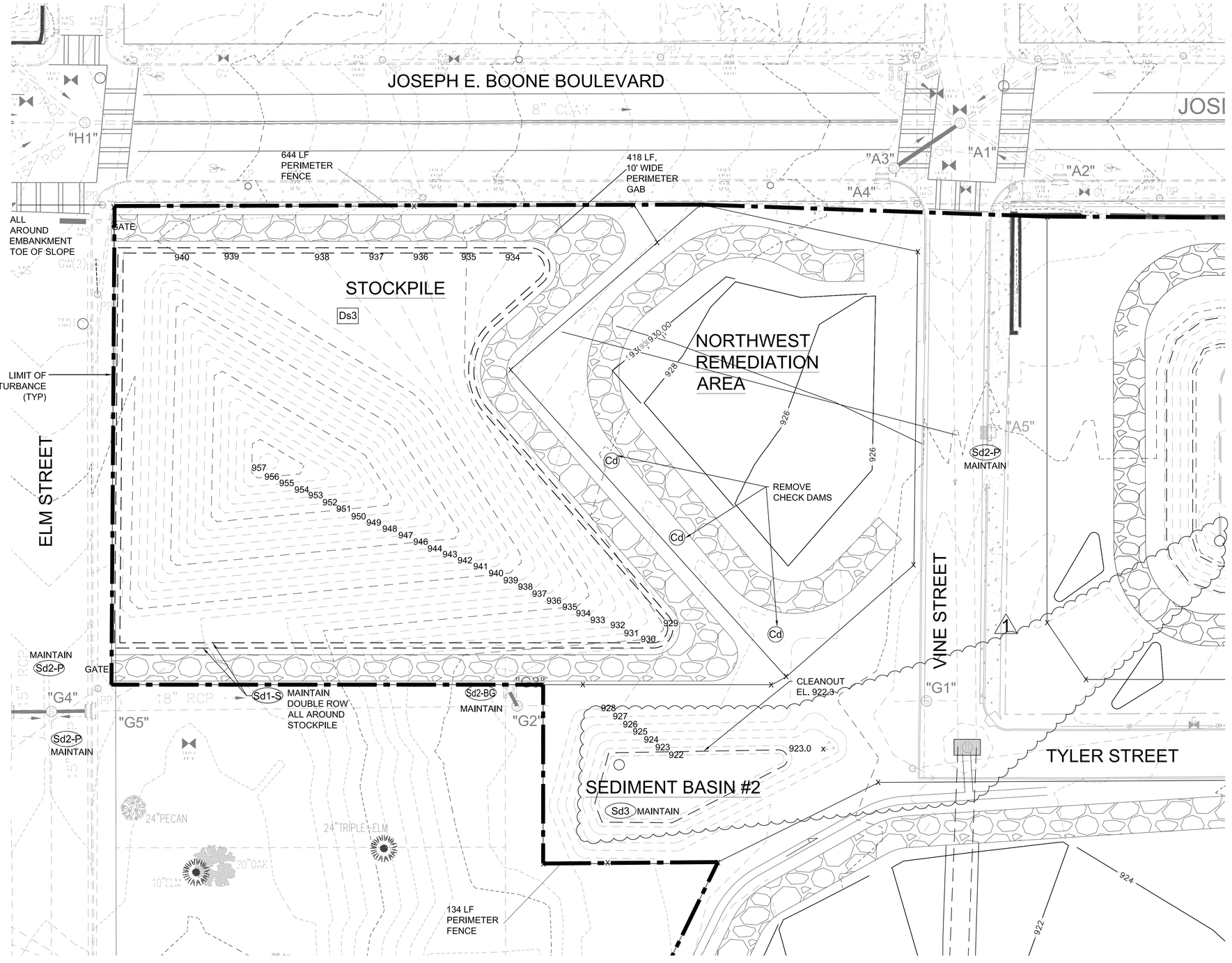
Plot Date: 9/22/2017 2:04 PM Plot By: SMajor Filename: O:\73_WS\T-2\000 Remediation EC Phase-3.dwg

LEGEND

- (Co) CONSTRUCTION ENTRANCE
- (Sd1-S) SILT FENCE
- (Sd1-S) / (Ds1) / (Sd1-S) DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)
- (Du) DUST CONTROL
- (Ds1) DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)
- (Ds2) DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)
- (Ds3) DISTURBED AREA STABILIZATION (WITH PERMANENT SEEDING)
- (Cd) CHECK DAM
- (Sd2-BG) BLOCK & GRAVEL INLET PROTECTION
- (Sd2-P) CURB FILTER INLET
- (Sd3) TEMPORARY SEDIMENT BASIN
- (Di) DIVERSION
- (Sk) FLOATING SURFACE SKIMMER
- (Tr) TREE PROTECTION
- —X— CHAIN LINK FENCE

0 10 20 30 40
SCALE: 1" = 20 FEET



STOCKPILE NOTES

1. FILL MATERIAL SHALL CONSIST OF BROKEN CONCRETE, CHUNKS OF ASPHALT, BRICKS, AND ROADWAY DEMOLITION MATERIALS AND COMMON EXCAVATION NO LARGER THAN 2" IN DIAMETER.

3. NO TREES, STUMPS, ROOTS OR OTHER VEGETATIVE MATERIAL SHALL BE STOCKPILED.

4. ON A DAILY BASIS DURING DRY WEATHER, MOISTEN FILL MATERIAL TO MITIGATE DUST.

5. INSPECT AND MAINTAIN PERIMETER BMPS EACH DAY.

6. PLACE STOCKPILED MATERIAL IN FILLS TO MORE THAN 5 OR 6 FEET TO FINISHED GRADES.

7. EMBANKMENT SLOPES SHALL BE NO STEEPER THAN 3:1 (H:V).

8. ALL GAB SHALL MATCH EXISTING GROUND AND COMPACTED TO 95% PROCTOR DENSITY. PROOFROLL SUBGRADES BEFORE PLACING GAB.

NOTES:

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES.

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

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FOR TREE PROTECTION AND REMOVAL PLANS, SEE SHEETS C-102A, C-102B, AND C-102C.

GSWCC Georgia Soil and Water Conservation Commission

Susan U. Major
Level II Certified Design Professional
Certification Number 0000028288
Issued: 12/15/2015 Expires: 12/15/2018

24 HOUR EROSION CONTROL CONTACT:
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ADDRESS: 300 CHURCHILL COURT
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CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY
EROSION AND SEDIMENT CONTROL
NORTHWEST STOCKPILE AREA
PHASE 3

No.	Description	Date
0	ISSUED FOR PERMITTING	9/25/2017
1	ISSUED FOR CONSTRUCTION	10/6/2017

PROJECT NO: 7383-E
DESIGNED BY: CW
DRAWN BY: JC
CHECKED BY: BS
DATE: 9-25-2017
SCALE: AS SHOWN

DRAWING NO.
EC-003F

SHEET OF

ACAD Rel: 19.1s (LMS Tech)
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Last Saved: 9/22/2017 2:07 PM Saved By: SMajor

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EROSION, SEDIMENTATION, AND POLLUTION CONTROL NOTES

PRIOR TO LAND-DISTURBING ACTIVITIES, THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE AREA EROSION CONTROL INSPECTOR. CALL (404) 546-1300 TO CONTACT THE INSPECTOR.

THIS PLAN HAS BEEN PREPARED TO MEET THE REQUIREMENTS UNDER THE STATE OF GEORGIA, DEPARTMENT OF NATURAL RESOURCES, ENVIRONMENTAL PROTECTION DIVISION (EPD), GENERAL PERMIT NUMBER GAR 100001 FOR AUTHORIZATION TO DISCHARGE UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES), STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY FOR STAND ALONE CONSTRUCTION PROJECTS.

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES.

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

ANY DISTURBED AREAS REMAINING IDLE FOR 30 DAYS SHALL BE STABILIZED WITH PERMANENT VEGETATION.

PRIOR TO FINAL SIGNOFF, APPLICANT IS REQUIRED TO SUBMIT AN ELECTRONIC FORMAT (AS DETERMINED BY THE DEPARTMENT OF WATERSHED MANAGEMENT) AND A PAPER FORMAT OF THE ACTUAL "AS BUILT" PLANS FOR ANY STORMWATER MANAGEMENT FACILITIES OR PRACTICES AFTER FINAL CONSTRUCTION IS COMPLETED. THE PLAN MUST SHOW THE AS BUILT CONFIGURATION FOR ALL STORMWATER MANAGEMENT FACILITIES AND PRACTICES AND MUST BE CERTIFIED BY A PROFESSIONAL ENGINEER.

EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED AT LEAST WEEKLY, AFTER EACH RAIN, AND REPAIRED AS NECESSARY.

ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IF DETERMINED NECESSARY BY ON-SITE INSPECTION.

ALL SILT FENCES MUST BE TYPE S, WIRE BACKED, DOUBLE ROW, AND MEET THE REQUIREMENTS OF THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA, 2016 EDITION.

THE LEVEL II QUALIFIED DESIGN PROFESSIONAL WHO SEALED THESE PLANS IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMP'S WITHIN 7 DAYS AFTER INSTALLATION. THE DESIGN PROFESSIONAL MUST REPORT THE RESULTS OF THE INSPECTION TO THE PERMITTEE WITHIN SEVEN (7) DAYS AND THE PERMITTEE MUST CORRECT ALL DEFICIENCIES WITHIN TWO (2) BUSINESS DAYS OF RECEIPT OF THE INSPECTION REPORT.

ALL AMENDMENTS AND REVISIONS TO THE EROSION & SEDIMENT CONTROL PLANS WHICH WILL HAVE A SIGNIFICANT EFFECT ON BEST MANAGEMENT PRACTICE (BMP) WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.

NO NON-EXEMPT ACTIVITIES SHALL BE CONDUCTED IN THE 25' STATE WATERS BUFFER OR THE 75' CITY OF ATLANTA RIPARIAN BUFFER WITHOUT FIRST OBTAINING THE NECESSARY VARIANCES AND PERMITS.

THE PROPERTY OWNER AND CONTRACTOR ARE EQUALLY RESPONSIBLE FOR ALL EROSION CONTROL ACTIVITIES.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN QUALIFIED PROFESSIONAL ADVICE WHEN QUESTIONS ARISE CONCERNING DESIGN AND EFFECTIVENESS OF EROSION CONTROL DEVICES, NOT THE CITY OF ATLANTA.

ALL TEMPORARY AND PERMANENT SEEDING MUST BE PERFORMED AT THE APPROPRIATE SEASON. IN SUCH INSTANCES WHERE THE ESTABLISHMENT OF VEGETATION IS INOPPORTUNE DUE TO SEASON OR DROUGHT, DISTURBED AREAS SHALL BE TEMPORARILY STABILIZED USING 2"-4" OF MULCH (DS1). ADDITIONAL PLANTINGS WILL BE NECESSARY IF A SUFFICIENT STAND OF GRASS FAILS TO GROW.

THE CITY'S DESIGNEE WILL VERIFY ADEQUATE VEGETATIVE COVER (100% COVER, 70% DENSITY) OF PERMANENT STABILIZATION (Ds3, Ds4).

SILT FENCES SHALL NOT BE PLACED IN STREAM BUFFER OR FLOODPLAINS, UNLESS UTILIZED FOR THE CONSTRUCTION OF AN EXEMPT ACTIVITY (I.E. ROADWAY DRAINAGE STRUCTURES, SEWER/WATER CROSSINGS, OR DRAINAGE STRUCTURES) PER THE APPROVED PLANS. FOR SUCH DISTURBANCES WITHIN THE BUFFER, THE AREA SHALL BE IMMEDIATELY STABILIZED USING EROSION CONTROL MATTING AND/OR BLANKETS ONCE THE ACTIVITY IS COMPLETE.

SEDIMENT STORAGE VOLUME (67 CY/ACRE) MUST BE INSTALLED PRIOR TO ANY OTHER LAND DISTURBANCE ACTIVITY AND REMAIN IN PLACE UNTIL FINAL STABILIZATION OCCURS.

FOR EACH SITE ON WHICH LAND DISTURBING ACTIVITY OCCURS, EACH ENTITY OR PERSON ACTING AS EITHER A PRIMARY, SECONDARY, OR TERTIARY PERMITTEE, AS DEFINED IN THE STATE GENERAL PERMIT, SHALL HAVE AS A MINIMUM ONE PERSON WHO IS IN RESPONSIBLE CHARGE OF EROSION AND SEDIMENTATION CONTROL ACTIVITIES ON BEHALF OF SAID ENTITY OR PERSON AND MEETS THE APPLICABLE (LEVEL 1A) EDUCATION OR TRAINING CERTIFICATION REQUIREMENTS (O.C.G.A. 12-7-19(A)(2)).

SUBCONTRACTORS INVOLVED WITH LAND DISTURBANCE ACTIVITIES SHALL MEET THE EDUCATION REQUIREMENTS (LEVEL 1) DESCRIBED IN O.C.G.A 12-7-19.

THE CONTRACTOR SHALL OBSERVE THE PROJECT SEQUENCE SHOWN ON THE PLANS. THE CONTRACTOR SHALL MAINTAIN CAREFUL SCHEDULING AND PERFORMANCE TO ENSURE THAT LAND STRIPPED OF ITS NATURAL COVER IS EXPOSED ONLY IN SMALL QUANTITIES.

THE OWNER AGREES TO PROVIDE AND MAINTAIN OFF-STREET PARKING ON THE SUBJECT PROPERTY DURING THE ENTIRE CONSTRUCTION PERIOD.

NO STAGING AREAS, MATERIAL STORAGE, CONCRETE WASH OUT AREAS, OR DEBRIS BURN AND BURIAL HOLES SHALL BE LOCATED WITHIN 500 FEET OF DESIGNATED TREE PROTECTION AREAS.

A COPY OF THE APPROVED LAND DISTURBANCE PLAN AND PERMIT SHALL BE PRESENT ON THE SITE AT ALL TIMES.

PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITY, THE LIMITS OF LAND DISTURBANCE AND ALL STREAM BUFFERS SHALL BE CLEARLY AND ACCURATELY DEMARCATED WITH STAKES, RIBBONS, OR OTHER APPROPRIATE MEANS. THE LOCATION AND EXTENT OF ALL AUTHORIZED LAND DISTURBANCE ACTIVITY SHALL BE DEMARCATED FOR THE DURATION OF THE CONSTRUCTION ACTIVITY. NO LAND DISTURBANCE SHALL OCCUR OUTSIDE THE APPROVED LIMITS INDICATED ON THE APPROVED PLANS.

PRIOR TO ANY OTHER CONSTRUCTION, A STABILIZED CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED AT EACH POINT OF ENTRY TO OR EXIT FROM THE SITE OR ONTO ANY PUBLIC ROADWAY.

THE FOLLOWING INITIAL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY.

1. THE CONSTRUCTION EXIT, CONSISTING OF A MINIMUM PAD SIZE OF 20 FEET BY 50 FEET WITH A MINIMUM OF 6" THICK STONE, SHALL BE PLACED AS SHOWN ON THE PLAN. THE STONE SIZE SHOULD CONSIST OF COURSE AGGREGATE BETWEEN 1-1/2" & 3-1/2" IN DIAMETER AND OVERLAID ON A GEOTEXTILE UNDERLINER. THE GEOTEXTILE UNDERLINER SHALL MEET THE REQUIREMENTS OF AASHTO M288-96, SECTION 7.3 SEPARATION REQUIREMENTS.
2. IMMEDIATELY AFTER THE ESTABLISHMENT OF CONSTRUCTION ENTRANCE/EXITS, ALL PERIMETER EROSION CONTROL AND TEMPORARY SEDIMENT BASINS SHALL BE INSTALLED AS SHOWN ON THE INITIAL PHASE EROSION CONTROL PLAN.
3. TYPE "S" SILT FENCE SHOULD BE INSTALLED AT THE PERIMETER OF THE DISTURBED AREA AS SHOWN ON THE PLAN. THE SILT FENCE SHOULD BE PLACED IN ACCORDANCE WITH THE MANUAL FOR EROSION CONTROL IN GEORGIA. THE SILT FENCE SHOULD BE KEPT ERECT AT ALL TIMES AND REPAIRED WHEN REQUESTED BY THE SITE INSPECTOR OR THE PROJECT DESIGN PROFESSIONAL OF RECORD. SILT SHOULD BE REMOVED WHEN ACCUMULATION REACHES ½ HEIGHT OF THE BARRIER. THE PERIMETER SILT FENCE SHOULD BE INSPECTED DAILY FOR ANY FAILURES. ANY FAILURES OF SAID FENCING SHOULD BE REPAIRED IMMEDIATELY.
4. INLET SEDIMENT PROTECTION MEASURES SHALL BE INSTALLED ON ALL EXISTING STORM STRUCTURES AS SHOWN ON THE PLAN. SEE SEPARATE DETAILS FOR SPECIFICS ON TYPE OF INLET PROTECTION SPECIFIED.
5. STONE CHECK DAMS SHALL BE INSTALLED IN AREAS OF CONCENTRATED FLOWS AS SHOWN ON THE PLAN.
6. TREE PROTECTION FENCING SHOULD BE INSTALLED PRIOR TO THE START OF ANY LAND DISTURBANCE ACTIVITY AND MAINTAINED UNTIL FINAL LANDSCAPE IS INSTALLED. THE TREE PROTECTION FENCING SHOULD BE INSPECTED DAILY. ANY FAILURES OF SAID FENCING SHOULD BE REPAIRED IMMEDIATELY.

ADDITIONAL SILT BARRIERS MUST BE PLACED AS SHOWN ON THE PLAN AS ACCESS IS OBTAINED DURING CLEARING. NO GRADING SHALL TAKE PLACE UNTIL SILT BARRIER INSTALLATION AND SEDIMENT PONDS ARE CONSTRUCTED AS SHOWN ON THE PHASE I EROSION CONTROL PLAN.

THE CONTRACTOR CAN UTILIZE CLEARED TREES AS INITIAL BRUSH BARRIER SEDIMENT CONTROL IN AREAS SHOWN ON PLAN WHERE INITIAL GRADING ACTIVITIES WILL NOT OCCUR.

NO BURN OR BURY PITS SHALL BE PERMITTED ON THE CONSTRUCTION SITE WITHOUT WRITTEN PERMISSION BY THE OWNER AND/OR THE ENGINEER OF RECORD.

ALL ITEMS IN THIS SECTION OF THE SPECIFICATIONS SHALL MEET THE REQUIREMENTS AS SET FORTH IN THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA, 2016 EDITION.

MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 14 DAYS OF LAND DISTURBANCE.

ALL DISTURBED AREAS LEFT MULCHED AFTER 30 DAYS SHALL BE STABILIZED WITH PERMANENT VEGETATION.

SEDIMENT AND EROSION CONTROL MEASURES SHOULD BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF THE CAPACITY OF THE DEVICE.

THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION, WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1-3" OF STONE, AS CONDITIONS DEMAND. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLE ON TO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY.

CONTRACTOR SHALL INSPECT EROSION CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.

FAILURE TO INSTALL, OPERATE, OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED EROSION CONTROL PLANS.

THE SITE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTENANCE OF ALL EROSION CONTROL MEASURES INCLUDING REPLACING OR REPAIRING ANY DAMAGED DEVICES DUE TO ANY CONSTRUCTION ACTIVITY BY OTHERS.

DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN CAREFUL SCHEDULING AND PERFORMANCE TO ENSURE THAT LAND STRIPPED OF ITS NATURAL GROUND COVER IS EXPOSED ONLY IN SMALL QUANTITIES AND THEREFORE LIMITED DURATIONS, BEFORE PERMANENT EROSION PROTECTION IS ESTABLISHED. NOTE SUB PHASES SHOWN ON PLANS.

EARTHWORK OPERATIONS IN THE VICINITY OF STREAM BUFFERS SHALL BE CAREFULLY CONTROLLED TO AVOID DUMPING OR SLOUGHING INTO THE BUFFER AREAS.

SEDIMENT SHALL NOT BE WASHED INTO INLETS. IT SHALL BE REMOVED FROM THE SEDIMENT TRAPS AND DISPOSED OF AND STABILIZED SO THAT IT WILL NOT ENTER THE INLETS AGAIN.

EROSION CONTROL DEVICES SHALL BE INSTALLED IMMEDIATELY AFTER GROUND DISTURBANCE OCCURS. THE LOCATION OF SOME OF THE EROSION CONTROL DEVICES MAY HAVE TO BE ALTERED FROM THAT SHOWN ON THE APPROVED PLANS IF DRAINAGE PATTERNS DURING THE CONSTRUCTION ARE DIFFERENT FROM THE PROPOSED DRAINAGE PATTERNS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE DESIGN PROFESSIONAL IMMEDIATELY.

THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY BARRICADES WHILE ROADWAY FRONTAGE IMPROVEMENTS ARE BEING MADE.

A DOUBLE ROW OF TYPE "S" SILT FENCE SHOULD BE INSTALLED AT THE TOE OF ALL FILL SLOPES 10 FEET GREATER IN HEIGHT. THE SILT FENCE SHOULD BE PLACED IN ACCORDANCE WITH THE MANUAL FOR EROSION CONTROL IN GEORGIA. THE SILT FENCE SHALL BE MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED ON THE SLOPE. SILT SHALL BE REMOVED WHEN ACCUMULATION REACHES ½ HEIGHT OF THE BARRIER. ADDITIONALLY, DIVERSION DIKES SHALL BE CONSTRUCTED ALONG THE TOP OF ALL SAID FILL SLOPES WITH THE USE OF TEMPORARY DOWN DRAINS TO CONTROL STORM WATER RUN OFF AS SHOWN ON THE PLANS. SEE SEPARATE DETAILS FOR ADDITIONAL INFORMATION.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING BARRIERS AT THE TOE OF SLOPES UNDER CONSTRUCTION. THESE BARRIERS SHALL BE AS SHOWN IN THE PLANS. THESE BARRIERS MAY BE RELOCATED AND REUSED AFTER PERMANENT SLOPE STABILIZATION BECOMES FULLY ESTABLISHED. AS THEY ARE RELOCATED, ANY DEFECTIVE MATERIALS IN THE BARRIER SHALL BE REPLACED. IN ADDITION, ALL DEBRIS AND SILT AT THE PREVIOUS LOCATION SHALL BE REMOVED. CUT AND FILL SLOPES ARE NOT TO EXCEED "2H:1V".

A DOUBLE ROW OF TYPE "S" SILT FENCE SHALL BE PLACED AT THE TOE OF ALL DIRT STOCK PILE AREAS. SEE SEPARATE DETAILS FOR ADDITIONAL INFORMATION.

INLET SEDIMENT PROTECTION MEASURES SHALL BE INSTALLED ON ALL STORM STRUCTURES AS THEY ARE CONSTRUCTED. SEE PLAN VIEW FOR SPECIFIC TYPE AND SEPARATE DETAILS FOR ADDITIONAL INFORMATION ON TYPE OF INLET PROTECTION SPECIFIED.

STORM DRAIN OUTLET PROTECTION SHALL BE PLACED AT ALL OUTLET HEADWALLS AS SOON AS THE HEADWALL IS CONSTRUCTED. SEE SEPARATE DETAILS FOR ADDITIONAL INFORMATION.

STONE CHECK DAMS SHALL BE INSTALLED IN AREAS OF CONCENTRATED FLOWS AS SHOWN ON THE PLAN. SEE SEPARATE DETAIL FOR ADDITIONAL INFORMATION.

ALL DRAINAGE SWALES SHALL BE STABILIZED AS SOON AS FINAL GRADE IS ACHIEVED.

ALL GRADED AREAS SHALL BE APPLIED WITH VEGETATIVE COVER AS SOON AS FINAL GRADE IS ACHIEVED.

MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 14 DAYS OF LAND DISTURBANCE.

ALL DISTURBED AREAS LEFT MULCHED AFTER 30 DAYS SHALL BE STABILIZED WITH TEMPORARY GRASSING.

CONTRACTOR SHALL INSPECT CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.

ALTERNATIVE BMP'S

USE OF ALTERNATIVE BMP'S WHOSE PERFORMANCE HAS BEEN DOCUMENTED TO BE EQUIVALENT OR SUPERIOR TO CONVENTIONAL BMP'S AS CERTIFIED BY A DESIGN PROFESSIONAL MAY BE ALLOWED (UNLESS DISAPPROVED BY EPD OR THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION).

REQUIRED DOCUMENTATION FOR ALTERNATIVE BMPS:

1. ONE PAGE SUMMARY DETAILING WHY THE ALTERNATIVE BMP IS EQUIVALENT OR SUPERIOR TO THE CONVENTIONAL BMP'S FOUND IN THE "MANUAL FOR EROSION AND SEDIMENTATION CONTROL IN GEORGIA" (MANUAL).

2. DOCUMENTED SIDE BY SIDE TESTING (ALTERNATIVE BMP VS. CONVENTIONAL BMP) USING THE APPROPRIATE DESIGN REQUIREMENTS AND SPECIFICATIONS CONTAINED IN THE MANUAL.

3. PROOF THAT THE ALTERNATIVE BMP WAS PREVIOUSLY INSTALLED AND WORKED UNDER CONDITIONS COMPARABLE TO THE ENVIRONMENTAL CONDITIONS OF THE PROPOSED SITE. THIS CAN BE DOCUMENTED WITH PHOTOGRAPHS.

4. ALL SPECIFICATIONS INCLUDING THE DESIGN REQUIREMENTS AND THE PROCEDURES FOR PROPER INSTALLATION AND MAINTENANCE.

ALL FORMS OF DOCUMENTATION MUST BE SIGNED AND CERTIFIED BY THE DESIGN PROFESSIONAL WHO IS PREPARING THE ES&PC PLAN AND MUST INCLUDE THE DESIGN PROFESSIONAL'S SEAL AND GSWCC DESIGN PROFESSIONAL CERTIFICATION.

NOTE: IF LIMITS OF DISTURBANCE FOR PROJECT REQUIRES DISTURBING 50 ACRES OR MORE AT ANY ONE TIME, WRITTEN AUTHORIZATION FORM THE ENVIRONMENTAL PROTECTION DIVISION (EPD) DISTRICT OFFICE SHALL BE INCORPORATED INTO THIS ES&PC PLAN. IF EPD APPROVES THE REQUEST, THE PLAN MUST INCLUDE 4 OF THE BMP'S LISTED IN APPENDIX 1 OF GSWCC CHECKLIST, OR PART III.C.2. OF NPDES GAR 100001.

NOTE: IF SITE DISCHARGES INTO AN IMPAIRED STREAM AS DESCRIBED BELOW, PROVIDE THE FOLLOWING INFORMATION AND DELINEATE ADDITIONAL BMP'S ON ES&PC PLANS.

ANY PERMITTEE WHO INTENDS TO OBTAIN COVERAGE UNDER THE NPDES GAR# 100001 FOR STORM WATER DISCHARGES ASSOCIATED WITH STAND ALONE CONSTRUCTION ACTIVITY INTO AN IMPAIRED STREAM SEGMENT, OR WITHIN ONE (1) LINEAR MILE UPSTREAM OF AND WITHIN THE SAME WATERSHED AS, ANY PORTION OF AN IMPAIRED STREAM SEGMENT IDENTIFIED AS "NOT SUPPORTING" ITS DESIGNATED USE(S), AS SHOWN ON GEORGIA'S 2008 AND SUBSEQUENT "305(B)/303(D) LIST DOCUMENTS (FINAL)" AT THE TIME OF NOI SUBMITTAL, MUST SATISFY THE REQUIREMENTS OF PART III.C. OF THIS PERMIT IF THE IMPAIRED STREAM SEGMENT HAS BEEN LISTED FOR CRITERIA VIOLATED, "BIO F" (IMPAIRED FISH COMMUNITY) AND/OR "BIO M" (IMPAIRED MACROINVERTEBRATE COMMUNITY), WITHIN CATEGORY 4A, 4B OR 5, AND THE POTENTIAL CAUSE IS EITHER "NP" (NONPOINT SOURCE) OR "UR" (URBAN RUNOFF), THOSE DISCHARGES THAT ARE LOCATED WITHIN ONE (1) LINEAR MILE OF AN IMPAIRED STREAM SEGMENT, BUT ARE NOT LOCATED WITHIN THE WATERSHED OF ANY PORTION OF THAT STREAM SEGMENT, ARE EXCLUDED FROM THIS REQUIREMENT. GEORGIA'S 2008 AND SUBSEQUENT 305(B)/303(D) LIST DOCUMENTS (FINAL)" CAN BE VIEWED ON THE EPD WEBSITE, WWW.GAEPD.ORG/DOCUMENTS/305B.HTML.

1. IF A TOTAL MAXIMUM DAILY LOAD (TMDL) IMPLEMENTATION PLAN FOR SEDIMENT HAS BEEN FINALIZED AT LEAST SIX (6) MONTHS PRIOR TO THE PERMITTEE'S SUBMITTAL OF THE NOI, THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN (PLAN) MUST ADDRESS ANY SITE-SPECIFIC CONDITIONS OR REQUIREMENTS INCLUDED IN THE TMDL IMPLEMENTATION PLAN THAT ARE APPLICABLE TO THE PERMITTEE'S DISCHARGE(S) TO THE IMPAIRED STREAM SEGMENT WITHIN THE TIMEFRAME SPECIFIED IN THE TMDL IMPLEMENTATION PLAN. IF THE TMDL IMPLEMENTATION PLAN ESTABLISHES A SPECIFIC NUMERIC WASTELOAD ALLOCATION THAT APPLIES TO AN PERMITTEE'S DISCHARGE(S) TO THE IMPAIRED STREAM SEGMENT, THEN THE PERMITTEE MUST INCORPORATE THAT ALLOCATION INTO THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN AND IMPLEMENT ALL NECESSARY MEASURES TO MEET THAT ALLOCATION. A LIST OF TMDL IMPLEMENTATION PLANS CAN BE VIEWED ON THE EPD WEBSITE, WWW.GAEPD.ORG.

2. IN ORDER TO ENSURE THAT THE PERMITTEE'S DISCHARGE(S) DO NOT CAUSE OR CONTRIBUTE TO A VIOLATION OF STATE WATER QUALITY STANDARDS, THE PLAN MUST INCLUDE AT LEAST FOUR (4) OF THE FOLLOWING BEST MANAGEMENT PRACTICES (BMP'S) FOR THOSE AREAS OF THE SITE WHICH DISCHARGE INTO OR WITHIN ONE (1) LINEAR MILE UPSTREAM AND WITHIN THE SAME WATERSHED AS THE IMPAIRED STREAM SEGMENT:

A. DURING CONSTRUCTION ACTIVITIES, DOUBLE THE WIDTH OF THE 25 FOOT UNDISTURBED VEGETATED BUFFER ALONG ALL STATE WATERS REQUIRING A BUFFER AND THE 50 FOOT UNDISTURBED VEGETATED BUFFER ALONG ALL STATE WATERS CLASSIFIED AS "TROUT STREAMS" REQUIRING A BUFFER. DURING CONSTRUCTION ACTIVITIES, EPD WILL NOT GRANT VARIANCES TO ANY SUCH BUFFERS THAT ARE INCREASED IN WIDTH PURSUANT TO THIS SECTION.

B. INCREASE ALL TEMPORARY SEDIMENT BASINS AND RETROFITTED STORM WATER MANAGEMENT BASINS TO PROVIDE SEDIMENT STORAGE OF AT LEAST 3600 CUBIC FEET (134 CUBIC YARDS) PER ACRE DRAINED.

C. USE BAFFLES IN ALL TEMPORARY SEDIMENT BASINS AND RETROFITTED STORM WATER MANAGEMENT BASINS TO AT LEAST DOUBLE THE CONVENTIONAL FLOW PATH LENGTH TO THE OUTLET STRUCTURE.

D. PLACE A LARGE SIGN (MINIMUM 4 FEET X 8 FEET) ON THE SITE VISIBLE FROM THE ROADWAY IDENTIFYING THE CONSTRUCTION SITE, THE PERMITTEE(S), AND THE CONTACT PERSON(S) AND TELEPHONE NUMBER(S).

E. USE ANIONIC POLYACRYLAMIDE (PAM) AND/OR MULCH TO STABILIZE AREAS LEFT DISTURBED FOR MORE THAN SEVEN (7) CALENDAR DAYS IN ACCORDANCE WITH PART III.D.1. OF THIS PERMIT.

F. CONDUCT TURBIDITY AND TOTAL SUSPENDED SOLIDS (TSS) SAMPLING AFTER EVERY RAIN EVENT OF 0.5 INCH OR GREATER WITHIN ANY 24 HOUR PERIOD, RECOGNIZING THE EXCEPTIONS SPECIFIED IN PART V.D.6.D. OF THIS PERMIT.

G. COMPLY WITH THE APPLICABLE END-OF-PIPE TURBIDITY EFFLUENT LIMIT, WITHOUT THE "BMP DEFENSE" AS PROVIDED FOR IN O.C.G.A. 12-7-6(A)(1).

H. LIMIT THE TOTAL PLANNED SITE DISTURBANCE TO LESS THAN 50% IMPERVIOUS SURFACES (EXCLUDING ANY STATEMANDATED BUFFER AREAS FROM SUCH CALCULATIONS).

I. LIMIT THE AMOUNT OF AREA DISTURBED AT ANY ONE TIME TO NO GREATER THAN 25 ACRES OR 50% OF THE TOTAL PLANNED SITE, WHICHEVER IS LESS.

J. USE "DIRT II" TECHNIQUES TO MODEL AND MANAGE STORM WATER RUNOFF (E.G., SEEP BERMS, SAND FILTERS, ANIONIC PAM), AVAILABLE ON THE EPD WEBSITE, WWW.GAEPD.ORG.

K. ADD APPROPRIATE ORGANIC SOIL AMENDMENTS (E.G., COMPOST) AND CONDUCT PRE- AND POST-CONSTRUCTION SOIL SAMPLING TO A DEPTH OF 6 (SIX) INCHES TO DOCUMENT IMPROVED LEVELS OF SOIL CARBON AFTER FINAL STABILIZATION OF THE CONSTRUCTION SITE.

L. USE MULCH FILTER BERMS, IN ADDITION TO A SILT FENCE, ON THE SITE PERIMETER WHEREVER STORM WATER MAY BE DISCHARGED.

M. APPLY THE APPROPRIATE GEORGIA DEPARTMENT OF TRANSPORTATION APPROVED EROSION CONTROL MATTING OR BLANKETS OR BONDED FIBER MATRIX TO ALL SLOPES STEEPER THAN 3:1.

N. USE APPROPRIATE EROSION CONTROL MATTING OR BLANKETS INSTEAD OF CONCRETE IN CONSTRUCTION STORM WATER DITCHES AND STORM DRAINAGES DESIGNED FOR A 25 YEAR, 24 HOUR RAINFALL EVENT.

O. USE ANIONIC PAM UNDER A PASSIVE DOSING METHOD (E.G., FLOCCULANT BLOCKS) WITHIN CONSTRUCTION STORM WATER DITCHES AND STORM DRAINAGES THAT FEED INTO TEMPORARY SEDIMENT BASINS AND RETROFITTED MANAGEMENT BASINS.

P. INSTALL SOD FOR A MINIMUM 20 FOOT WIDTH, IN LIEU OF SEEDING, ALONG THE SITE PERIMETER WHEREVER STORM WATER MAY BE DISCHARGED.

Q. USE A SURFACE DRAINING SKIMMER DESIGNED TO DRAIN TEMPORARY SEDIMENT BASINS AND RETROFITTED STORMWATER MANAGEMENT BASINS OVER A MINIMUM THREE (3) DAY PERIOD.
R. CERTIFIED PERSONNEL SHALL CONDUCT INSPECTIONS AT LEAST TWICE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF THE STORM THAT IS 0.5 INCHES RAINFALL OR GREATER IN ACCORDANCE WITH PART IV.D.4.A.(2). (A) – (C) OF THIS PERMIT.

S. APPLY THE APPROPRIATE COMPOST BLANKETS (MINIMUM DEPTH 1.5 INCHES) TO PROTECT SOIL SURFACES UNTIL VEGETATION IS ESTABLISHED DURING THE FINAL STABILIZATION PHASE OF THE CONSTRUCTION ACTIVITY.

T. USE ALTERNATIVE BMP'S WHOSE PERFORMANCE HAS BEEN DOCUMENTED TO BE SUPERIOR TO CONVENTIONAL BMP'S AS CERTIFIED BY A DESIGN PROFESSIONAL (UNLESS DISAPPROVED BY EPD OR THE STATE SOIL AND WATER CONSERVATION COMMISSION).

RETENTION OF RECORDS

1. THE PRIMARY PERMITTEE SHALL RETAIN THE FOLLOWING RECORDS AT THE CONSTRUCTION SITE OR THE RECORDS SHALL BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI:

A. A COPY OF ALL NOTICES OF INTENT SUBMITTED TO EPD;

B. A COPY OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN REQUIRED BY THIS PERMIT;

C. THE DESIGN PROFESSIONAL'S REPORT OF THE RESULTS OF THE INSPECTION CONDUCTED IN ACCORDANCE WITH PART IV.A.5. OF THIS PERMIT;

D. A COPY OF ALL MONITORING INFORMATION, RESULTS, AND REPORTS REQUIRED BY THIS PERMIT;

E. A COPY OF ALL INSPECTION REPORTS GENERATED IN ACCORDANCE WITH PART IV.D.4.A. OF THIS PERMIT;

F. A COPY OF ALL VIOLATION SUMMARIES AND VIOLATION SUMMARY REPORTS GENERATED IN ACCORDANCE WITH PART III.D.2. OF THIS PERMIT; AND

G. DAILY RAINFALL INFORMATION COLLECTED IN ACCORDANCE WITH PART IV.D.4.A.(1)(C) OF THIS PERMIT.

2. COPIES OF ALL NOTICES OF INTENT, NOTICES OF TERMINATION, REPORTS, PLANS, MONITORING REPORTS, MONITORING INFORMATION, INCLUDING ALL CALIBRATION AND MAINTENANCE RECORDS AND ALL ORIGINAL STRIP CHART RECORDINGS FOR CONTINUOUS MONITORING INSTRUMENTATION, EROSION, SEDIMENTATION AND POLLUTION CONTROL PLANS, RECORDS OF ALL DATA USED TO COMPLETE THE NOTICE OF INTENT TO BE COVERED BY THIS PERMIT AND ALL OTHER RECORDS REQUIRED BY THIS PERMIT SHALL BE RETAINED BY THE PERMITTEE WHO EITHER PRODUCED OR USED IT FOR A PERIOD OF AT LEAST THREE YEARS FROM THE DATE THAT THE NOT IS SUBMITTED IN ACCORDANCE WITH PART VI OF THIS PERMIT. THESE RECORDS MUST BE MAINTAINED AT THE PERMITTEE'S PRIMARY PLACE OF BUSINESS OR AT A DESIGNATED ALTERNATIVE LOCATION ONCE THE CONSTRUCTION ACTIVITY HAS CEASED AT THE PERMITTED SITE. THIS PERIOD MAY BE EXTENDED BY REQUEST OF THE EPD AT ANY TIME UPON WRITTEN NOTIFICATION TO THE PERMITTEE.

24 HOUR EROSION CONTROL CONTACT:

NAME: STEVE ORTMAN
ADDRESS: 300 CHURCHILL COURT
WOODSTOCK, GA 30188
PHONE #: 404-427-3872

GEORGIA REGISTERED No. PE16710 PROFESSIONAL ENGINEER SUSAN U. MAJOR

GSWCC Georgia Soil and Water Conservation Commission

Susan U. Major
Level II Certified Design Professional
Certification Number 0000028288
Issued: 12/15/2015 Expires: 12/15/2018

811 Know what's below. Call before you dig.

CITY OF ATLANTA DEPARTMENT OF watershed management
JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY
EROSION AND SEDIMENT CONTROL
REMEDIATION PHASE
NPDES NOTE SHEET

No.	Description	Date
0	ISSUED FOR PERMITTING	9/25/2017

PROJECT NO: 7383--E
DESIGNED BY: CW
DRAWN BY: JC
CHECKED BY: BS
DATE: 9-25-2017
SCALE: NOTED

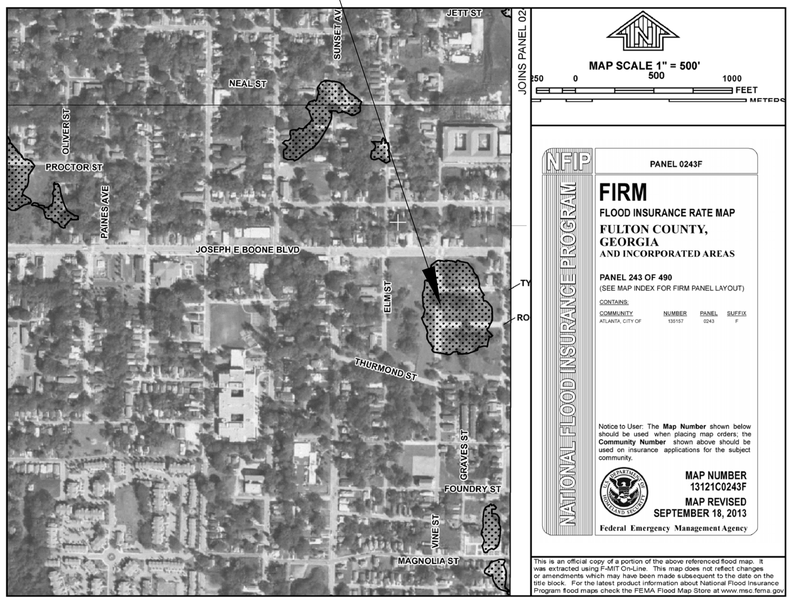
DRAWING NO.
EC-004

SHEET OF

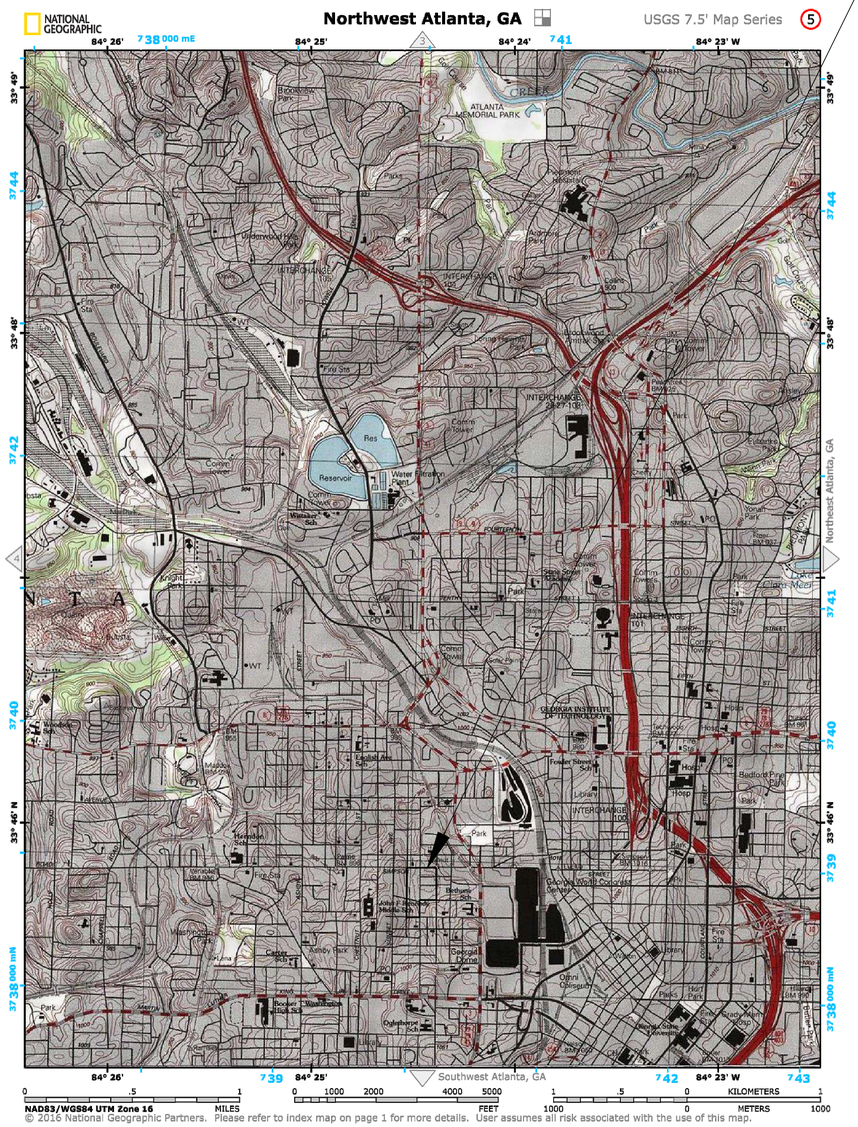
ACAD Rel: 19.1s

UPPER PROCTOR CREEK
CAPACITY RELIEF PROJECT

UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT



FEMA FIRM MAP



USGS TOPOGRAPHIC MAP
NORTHWEST ATLANTA, GA QUADRANGLE
2014
RECEIVING WATERS: PROCTOR CREEK

N

GSWCC Georgia Soil and Water Conservation Commission

Susan U. Major
Level II Certified Design Professional
Certification Number 0000028288
Issued: 12/15/2015 Expires: 12/15/2018

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DRAWN BY: JC
CHECKED BY: BS
DATE: 9-25-2017
SCALE: NOTED

DRAWING NO.
EC-005
SHEET OF

ACAD Rel: 19.1s (LMS Tech)
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NATURE OF CONSTRUCTION ACTIVITY

THE NATURE OF THE CONSTRUCTION ACTIVITY ENTAILS CLEARING AND GRUBBING, TREE REMOVAL, STRUCTURE AND UTILITY DEMOLITION, AND REMEDIATION OF LEAD-IMPACTED SOILS.

TOTAL ACRES: 12.16

DISTURBED ACRES: 9.41

RUNOFF COEFFICIENT

WEIGHTED PRE-CONSTRUCTION CURVE NUMBER (CN):__80__
OR PEAK DISCHARGE FLOW (Qpre):_____CFS

WEIGHTED POST-CONSTRUCTION CURVE NUMBER (CN):__80_____
OR PEAK DISCHARGE FLOW (Qpost):_____CFS

DUST CONTROL

MINIMIZING WIND EROSION AND CONTROLLING DUST WILL BE ACCOMPLISHED BY ONE OR MORE OF THE FOLLOWING METHODS:

A. COVERING 30% OR MORE: OF THE SOIL SURFACE WITH NON-ERODIBLE MATERIAL
B. ROUGHENING THE SOIL TO PRODUCE RIDGES PERPENDICULAR TO THE PREVAILING WIND.
C. FREQUENT WATERING OF EXCAVATION AND FILL AREAS
D. PROVIDING GRAVEL OR PAVING AT ENTRANCE/ EXIT DRIVES

CONCRETE WASHOUT

IT IS PROHIBITED TO WASHOUT THE DRUM OF CONCRETE TRUCK ON SITE. SEE DETAILS SHEET FOR BEST MANAGEMENT PRACTICES FOR CONCRETE WASHDOWN OF TOOLS, CONCRETE MIXER CHUTES, HOPPERS, AND THE REAR OF THE VEHICLE ONLY.

POTENTIAL SOURCES OF STORMWATER POLLUTION

PETROLEUM BASED PRODUCTS - CONTAINERS FOR PRODUCTS SUCH AS FUELS, LUBRICANTS, AND TAR WILL BE INSPECTED DAILY FOR LEAKS AND SPILLS. THIS INCLUDES ON-SITE VEHICLE AND MACHINERY DAILY INSPECTIONS AND REGULAR PREVENTATIVE MAINTENANCE OF SUCH EQUIPMENT. EQUIPMENT MAINTENANCE AREAS WILL BE LOCATED AWAY FROM STATE WATERS, NATURAL DRAINS, AND STORMWATER DRAINAGE INLETS. IN ADDITION, TEMPORARY FUELING TANKS SHALL HAVE A SECONDARY CONTAINMENT LINER TO PREVENT/MINIMIZE SITE CONTAMINATION. DISCHARGE OF OILS, FUELS, AND LUBRICANTS IS PROHIBITED. PROPER DISPOSAL METHODS WILL INCLUDE COLLECTION IN A SUITABLE CONTAINER AND DISPOSAL AS REQUIRED BY LOCAL AND STATE REGULATIONS.

PAINTS/FINISHES/SOLVENTS - ALL PRODUCTS WILL BE STORED IN TIGHTLY SEALED ORIGINAL CONTAINERS WHEN NOT IN USE. EXCESS PRODUCT WILL NOT BE DISCHARGED TO THE STORM WATER COLLECTION SYSTEM. EXCESS PRODUCT, MATERIALS USED WITH THESE PRODUCTS AND PRODUCT CONTAINERS WILL BE DISPOSED OF ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

FERTILIZER/HERBICIDES - THESE PRODUCTS WILL BE APPLIED AT RATES THAT DO NOT EXCEED THE MANUFACTURER'S SPECIFICATION OR ABOVE THE GUIDELINES SET FORTH IN THE CROP ESTABLISHMENT OR IN THE GSWCC MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA. ANY STORAGE OF THESE MATERIALS WILL BE UNDER ROOF IN SEALED CONTAINERS.

BUILDING MATERIALS - NO BUILDING OR CONSTRUCTION MATERIALS WILL BE BURIED OR DISPOSED OF ONSITE. ALL SUCH MATERIAL WILL BE DISPOSED OF IN PROPER WASTE DISPOSAL PROCEDURE.

WASTE MATERIALS, INCLUDING BUILDING MATERIALS, SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

REMEDIATION OF PETROLEUM SPILLS AND LEAKS

LOCAL, STATE AND MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND PROCEDURES WILL BE MADE AVAILABLE TO SITE PERSONNEL.

MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREAS. TYPICAL MATERIALS AND EQUIPMENT INCLUDES, BUT IS NOT LIMITED TO BROOMS, DUSTPANS, MOPS, RAGS, GLOVES, GOGGLES, CAT LITTER, SAND, SAWDUST, AND PROPERLY LABELED PLASTIC AND METAL WASTE CONTAINERS.

SPILL PREVENTION PRACTICES AND PROCEDURES WILL BE REVIEWED AFTER A SPILL AND ADJUSTED AS NECESSARY TO PREVENT FUTURE SPILLS.

ALL SPILLS WILL BE CLEANED UP IMMEDIATELY UPON DISCOVERY. ALL SPILLS WILL BE REPORTED AS REQUIRED BY LOCAL, STATE, AND FEDERAL REGULATIONS.

THE CONTRACTOR SHALL NOTIFY THE LICENSED PROFESSIONAL WHO PREPARED THIS PLAN IF MORE THAN 1320 GALLONS OF PETROLEUM IS STORED ONSITE (THIS INCLUDES CAPACITIES FOR EQUIPMENT) OR IF ANY ONE PIECE OF EQUIPMENT HAS A COUNTERMEASURES PLAN PREPARED BY THAT LICENSED PROFESSIONAL.

FOR SPILLS THAT IMPACT SURFACE WATER (LEAVE A SHEEN ON SURFACE WATER), THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-424-8802.

FOR SPILLS OF AN UNKNOWN AMOUNT, THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-424-8802.

FOR SPILLS GREATER THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE GEORGIA ENVIRONMENTAL PROTECTION DIVISION (EPD) WILL BE CONTACTED WITHIN 24 HOURS.

FOR SPILLS LESS THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE SPILL WILL BE CLEANED UP AND LOCAL AGENCIES WILL BE CONTACTED AS REQUIRED.

SEVEN DAY INSPECTION

THE PRIMARY PERMITTEE MUST RETAIN THE DESIGN PROFESSIONAL WHO PREPARED THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, EXCEPT WHEN THE PRIMARY PERMITTEE HAS REQUESTED IN WRITING AND EPD HAS AGREED TO AN ALTERNATE DESIGN PROFESSIONAL TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMP'S WHICH THE DESIGN PROFESSIONAL DESIGNED WITHIN SEVEN (7) DAYS AFTER INSTALLATION. THE DESIGN PROFESSIONAL SHALL DETERMINE IF THESE BMP'S HAVE BEEN INSTALLED AND ARE BEING MAINTAINED AS DESIGNED. THE DESIGN PROFESSIONAL SHALL REPORT THE RESULTS OF THE INSPECTION TO THE PRIMARY PERMITTEE WITHIN SEVEN (7) DAYS AND THE PERMITTEE MUST CORRECT ALL DEFICIENCIES WITHIN TWO (2) BUSINESS DAYS OF RECEIPT OF THE INSPECTION REPORT FROM THE DESIGN PROFESSIONAL UNLESS WEATHER RELATED SITE CONDITIONS ARE SUCH THAT ADDITIONAL TIME IS REQUIRED.

REVISIONS / AMENDMENTS

THE PRIMARY PERMITTEE SHALL AMEND/REVISE THIS PLAN WHENEVER THERE IS A CHANGE IN DESIGN, CONSTRUCTION, OPERATION, OR MAINTENANCE, WHICH HAS A SIGNIFICANT EFFECT ON BMP'S WITH A HYDRAULIC COMPONENT (i.e. THOSE BMP'S WHERE THE DESIGN IS BASIED UPON RAINFALL INTENSITY, DURATION, AND RETURN FREQUENCY OF STORMS) OR IR THE PLAN PROVES TO BE INEFFECTIVE IN ELIMENATING OR SIGNIFICANTLY MINIMIZING POLLUTANTS IN RUNOFF. AMENDMENTS/REVISIONS MUST BE CERTIFIED BY A DESIGN PROFESSIONAL. REVISIONS MUST ALSO BE SUBMITTED THROUGH THE BUREAU OF BUILDINGS (3RD FLOOR - CITY HALL SOUTH) FOR APPROPRIATE REVIEW AND APPROVAL.

SANITARY WASTES

A MINIMUM OF ONE PORTABLE SANITARY UNIT WILL BE PROVIDED FOR EVERY TEN (10) WORKERS ON THE SITE. ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS A MINIMUM OF ONE TIME PER WEEK BY A LICENSED PORTABLE FACILITY PROVIDER IN COMPLETE COMPLIANCE WITH LOCAL AND STATE REGULATIONS.

ALL SANITARY WASTE UNITS WILL BE LOCATED IN AN AREA WHERE THE LIKELIHOOD OF THE UNIT CONTRIBUTING TO STORM WATER DISCHARGE IS NEGLIGIBLE. ADDITIONAL CONTAINMENT BMP'S MUST BE IMPLEMENTED, SUCH AS GRAVEL BAGS OR SPECIALLY DESIGNED PLASTIC SKID CONTAINERS AROUND THE BASE, TO PREVENT WASTES FROM CONTRIBUTING TO STORMWATER DISCHARGES. THE LOCATION OF SANITARY WASTE UNITS MUST BE IDENTIFIED ON THE EROSION CONTROL PLAN INTERMEDIATE PHASE BY THE CONTRACTOR ONCE THE LOCATIONS HAVE BEEN DETERMINED.

CONNECTION TO CITY OF ATLANTA'S SANITARY SEWER SYSTEM WILL BE MADE ONCE INFRASTRUCTURE AND APPURTENANCES ARE INSTALLED PER UTILITY PLAN. THE SANITARY SEWER INSTALLATION SHALL INCLUDE AN INTERNAL TELEVISION INSPECTION, A SUCCESSFUL MANDREL PULL, AND A SUCCESSFUL LEAK-DOWN PRESSURE TEST.

SAMPLING REQUIREMENTS

THE NPDES PERMIT REQUIRES THE MONITORING OF NEPHELOMETRIC TURBIDITY IN RECEIVING WATER(S) OR OUTFALLS IN ACCORDANCE WITH THIS PERMIT. THIS PARAGRAPH SHALL NOT APPLY TO ANY LAND DISTURBANCE ASSOCIATED WITH THE CONSTRUCTION OF SINGLE-FAMILY HOMES WHICH ARE NOT PART OF A SUBDIVISION OR PLANNED COMMON DEVELOPMENT UNLESS FIVE (5) ACRES OR MORE WILL BE DISTURBED. THE FOLLOWING PROCEDURES CONSTITUTE EPD'S GUIDELINES FOR SAMPLING TURBIDITY.

NOTE: SAMPLING REQUIREMENTS SHALL INCLUDE THE FOLLOWING:

(1) A USGS TOPOGRAPHIC MAP, A TOPOGRAPHIC MAP OR A DRAWING (REFERRED TO AS A TOPOGRAPHIC MAP) THAT IS A SCALE EQUAL TO OR MORE DETAILED THAN A 1:24000 MAP SHOWING THE LOCATION OF THE SITE OR THE STAND ALONE CONSTRUCTION; (A) THE LOCATION OF ALL PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES AS SHOWN ON A USGS TOPOGRAPHIC MAP, AND ALL OTHER PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES LOCATED DURING MANDATORY FIELD VERIFICATION, INTO WHICH THE STORM WATER IS DISCHARGED AND (B) THE RECEIVING WATER AND/OR OUTFALL SAMPLING LOCATIONS. WHEN THE PERMITTEE HAS CHOSEN TO USE A USGS TOPOGRAPHIC MAP AND THE RECEIVING WATER(S) IS NOT SHOWN ON THE USGS TOPOGRAPHIC MAP, THE LOCATION OF THE RECEIVING WATER(S) MUST BE HAND-DRAWN ON THE USGS TOPOGRAPHIC MAP FROM WHERE THE STORM WATER(S) ENTERS THE RECEIVING WATER(S) TO THE POINT WHERE THE RECEIVING WATER(S) COMBINES WITH THE FIRST BLUE LINE STREAM SHOWN ON THE USGS TOPOGRAPHIC MAP;

(2). A WRITTEN NARRATIVE OF SITE SPECIFIC ANALYTICAL METHODS USED TO COLLECT, HANDLE AND ANALYZE THE SAMPLES INCLUDING QUALITY CONTROL/QUALITY ASSURANCE PROCEDURES. THIS NARRATIVE MUST INCLUDE PRECISE SAMPLING METHODOLOGY FOR EACH SAMPLING LOCATION;

(3). WHEN THE PERMITTEE HAS DETERMINED THAT SOME OR ALL OUTFALLS WILL BE MONITORED, A RATIONALE MUST BE INCLUDED FOR THE NTU LIMIT(S) SELECTED FROM APPENDIX B. THIS RATIONALE MUST INCLUDE THE SIZE OF THE CONSTRUCTION SITE, THE CALCULATION OF THE SIZE OF THE SURFACE WATER DRAINAGE AREA, AND THE TYPE OF RECEIVING WATER(S) (I.E., TROUT STREAM OR SUPPORTING WARM WATER FISHERIES); AND

(4). ANY ADDITIONAL INFORMATION EPD DETERMINES NECESSARY TO BE PART OF THE PLAN, EPD WILL PROVIDE WRITTEN NOTICE TO THE PERMITTEE OF THE INFORMATION NECESSARY AND THE TIME LINE FOR SUBMITTAL.

SAMPLE TYPE

ALL SAMPLING SHALL BE COLLECTED BY "GRAB SAMPLES" AND THE ANALYSIS OF THESE SAMPLES MUST BE CONDUCTED IN ACCORDANCE WITH METHODOLOGY AND TEST PROCEDURES ESTABLISHED BY 40 CFR PART 136 (UNLESS OTHER TEST PROCEDURES HAVE BEEN APPROVED); THE GUIDANCE DOCUMENT TITLED "NPDES STORM WATER SAMPLING GUIDANCE DOCUMENT, EPA 833-B-92-001" AND GUIDANCE DOCUMENTS THAT MAY BE PREPARED BY THE EPD.

(1). SAMPLE CONTAINERS SHOULD BE LABELED PRIOR TO COLLECTING THE SAMPLES.

(2). SAMPLES SHOULD BE WELL MIXED BEFORE TRANSFERRING TO A SECONDARY CONTAINER.

(3). LARGE MOUTH, WELL CLEANED AND RINSED GLASS OR PLASTIC JARS SHOULD BE USED FOR COLLECTING SAMPLES. THE JARS SHOULD BE CLEANED THOROUGHLY TO AVOID CONTAMINATION.

(4). MANUAL, AUTOMATIC OR RISING STAGE SAMPLING MAY BE UTILIZED. SAMPLES REQUIRED BY THIS PERMIT SHOULD BE ANALYZED IMMEDIATELY, BUT IN NO CASE LATER THAN 48 HOURS AFTER COLLECTION. HOWEVER, SAMPLES FROM AUTOMATIC SAMPLERS MUST BE COLLECTED NO LATER THAN THE NEXT BUSINESS DAY AFTER THEIR ACCUMULATION, UNLESS FLOW THROUGH AUTOMATED ANALYSIS IS UTILIZED. DILUTION OF SAMPLES IS NOT REQUIRED. SAMPLES MAY BE ANALYZED DIRECTLY WITH A PROPERLY CALIBRATED TURBIDIMETER. SAMPLES ARE NOT REQUIRED TO BE COOLED.

(5). SAMPLING AND ANALYSIS OF THE RECEIVING WATER(S) OR OUTFALLS BEYOND THE MINIMUM FREQUENCY STATED IN THIS PERMIT MUST BE REPORTED TO EPD AS SPECIFIED IN PART IV.E.

SAMPLING POINTS

FOR CONSTRUCTION ACTIVITIES THE PRIMARY PERMITTEE MUST SAMPLE ALL RECEIVING WATER(S), OR ALL OUTFALL(S), OR A COMBINATION OF RECEIVING WATER(S) AND OUTFALL(S). SAMPLES TAKEN FOR THE PURPOSE OF COMPLIANCE WITH THIS PERMIT SHALL BE REPRESENTATIVE OF THE MONITORED ACTIVITY AND REPRESENTATIVE OF THE WATER QUALITY OF THE RECEIVING WATER(S) AND/OR THE STORM WATER OUTFALLS USING THE FOLLOWING MINIMUM GUIDELINES:

(A). THE UPSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN IMMEDIATELY UPSTREAM OF THE CONFLUENCE OF THE FIRST STORM WATER DISCHARGE FROM THE PERMITTED ACTIVITY (i.e. THE DISCHARGE FARTHEST UPSTREAM AT THE SITE) BUT DOWNSTREAM OF ANY OTHER STORM WATER DISCHARGES NOT ASSOCIATED WITH THE PERMITTED ACTIVITY. WHERE APPROPRIATE, SEVERAL UPSTREAM SAMPLES FROM ACROSS THE RECEIVING WATER(S) MAY NEED TO BE TAKEN AND THE ARITHMETIC AVERAGE OF THE TURBIDITY OF THESE SAMPLES USED FOR THE UPSTREAM TURBIDITY VALUE.

(B). THE DOWNSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN DOWNSTREAM OF THE CONFLUENCE OF THE LAST STORM WATER DISCHARGE FROM THE PERMITTED ACTIVITY (I.E., THE DISCHARGE FARTHEST DOWNSTREAM AT THE SITE) BUT UPSTREAM OF ANY OTHER STORM WATER DISCHARGE NOT ASSOCIATED WITH THE PERMITTED ACTIVITY. WHERE APPROPRIATE, SEVERAL DOWNSTREAM SAMPLES FROM ACROSS THE RECEIVING WATER(S) MAY NEED TO BE TAKEN AND THE ARITHMETIC AVERAGE OF THE TURBIDITY OF THESE SAMPLES USED FOR THE DOWNSTREAM TURBIDITY VALUE.

(C). IDEALLY THE SAMPLES SHOULD BE TAKEN FROM THE HORIZONTAL AND VERTICAL CENTER OF THE RECEIVING WATER(S) OR THE STORM WATER OUTFALL CHANNEL(S).

(D). CARE SHOULD BE TAKEN TO AVOID STIRRING THE BOTTOM SEDIMENTS IN THE RECEIVING WATER(S) OR IN THE OUTFALL STORM WATER CHANNEL.

(E). THE SAMPLING CONTAINER SHOULD BE HELD SO THAT THE OPENING FACES UPSTREAM.

(F). THE SAMPLES SHOULD BE KEPT FREE FROM FLOATING DEBRIS.

(G). PERMITTEES DO NOT HAVE TO SAMPLE SHEETFLOW THAT FLOWS ONTO UNDISTURBED NATURAL AREAS OR AREAS STABILIZED BY THE PROJECT. FOR PURPOSES OF THIS SECTION, STABILIZED SHALL MEAN, FOR UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES AND AREAS LOCATED OUTSIDE THE WASTE DISPOSAL LIMITS OF A LANDFILL CELL THAT HAS BEEN CERTIFIED BY EPD FOR WASTE DISPOSAL, 100% OF THE SOIL SURFACE IS UNIFORMLY COVERED IN PERMANENT VEGETATION WITH A DENSITY OF 70% OR GREATER, OR EQUIVALENT PERMANENT STABILIZATION MEASURES (SUCH AS THE USE OF RIP RAP, GABIONS, PERMANENT MULCHES OR GEOTEXTILES) HAVE BEEN USED. PERMANENT VEGETATION SHALL CONSIST OF: PLANTED TREES, SHRUBS, PERENNIAL VINES; A CROP OF PERENNIAL VEGETATION APPROPRIATE FOR THE TIME OF YEAR AND REGION; OR A CROP OF ANNUAL VEGETATION AND SEEDING OF TARGET CROP PERENNIALS APPROPRIATE FOR THE REGION. FINAL STABILIZATION APPLIES TO EACH PHASE OF CONSTRUCTION.

(H). ALL SAMPLING PURSUANT TO THIS PERMIT MUST BE DONE IN SUCH A WAY (INCLUDING GENERALLY ACCEPTED SAMPLING METHODS, LOCATIONS, TIMING, AND FREQUENCY) AS TO ACCURATELY REFLECT WHETHER STORM WATER RUNOFF FROM THE CONSTRUCTION SITE IS IN COMPLIANCE WITH THE STANDARD SET FORTH IN PARTS III.D.3. OR III.D.4.., WHICHEVER IS APPLICABLE.

SAMPLING FREQUENCY

(1). THE PRIMARY PERMITTEE MUST SAMPLE IN ACCORDANCE WITH THE PLAN AT LEAST ONCE FOR EACH RAINFALL EVENT DESCRIBED BELOW. FOR A QUALIFYING EVENT, SAMPLES MUST BE TAKEN WITHIN FORTY-FIVE (45) MINUTES OF:

(A) THE ACCUMULATION OF THE MINIMUM AMOUNT OF RAINFALL FOR THE QUALIFYING EVENT, IF THE STORM WATER DISCHARGE TO A MONITORED RECEIVING WATER OR FROM A MONITORED OUTFALL HAS BEGUN AT OR PRIOR TO THE ACCUMULATION, OR

(B) THE BEGINNING OF ANY STORM WATER DISCHARGE TO A MONITORED RECEIVING WATER OR FROM A MONITORED OUTFALL, IF THE DISCHARGE BEGINS AFTER THE ACCUMULATION OF THE MINIMUM AMOUNT OF RAINFALL FOR THE QUALIFYING EVENT.

(2). HOWEVER, WHERE MANUAL AND AUTOMATIC SAMPLING ARE IMPOSSIBLE (AS DEFINED IN THIS PERMIT), OR ARE BEYOND THE PERMITTEE'S CONTROL, THE PERMITTEE SHALL TAKE SAMPLES AS SOON AS POSSIBLE, BUT IN NO CASE MORE THAN TWELVE (12) HOURS AFTER THE BEGINNING OF THE STORM WATER DISCHARGE.

(3). SAMPLING BY THE PERMITTEE SHALL OCCUR FOR THE FOLLOWING EVENTS:

(A). FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING STREAM, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH AND ALLOWS FOR MONITORING DURING NORMAL BUSINESS HOURS* (MONDAY THRU FRIDAY, 8:00 AM TO 5:00 PM AND SATURDAY 8:00 AM TO 5:00 PM, EXCLUDING ALL NON-WORKING FEDERAL HOLIDAYS, WHEN CONSTRUCTION ACTIVITY IS BEING CONDUCTED BY THE PRIMARY PERMITTEE) THAT OCCURS AFTER ALL CLEARING AND GRUBBING OPERATIONS HAVE BEEN COMPLETED IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE SAMPLING LOCATION;

(B). IN ADDITION TO (A) ABOVE, FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING STREAM, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH AND ALLOWS FOR MONITORING DURING NORMAL BUSINESS HOURS* THAT OCCURS EITHER 90 DAYS AFTER THE FIRST SAMPLING EVENT OR AFTER ALL MASS GRADING OPERATIONS HAVE BEEN COMPLETED IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE SAMPLING LOCATION, WHICHEVER COMES FIRST;

(C). AT THE TIME OF SAMPLING PERFORMED PURSUANT TO (A) AND (B) ABOVE, IF BMPS ARE FOUND TO BE PROPERLY DESIGNED, INSTALLED AND MAINTAINED, NO FURTHER ACTION IS REQUIRED. IF BMPS IN ANY AREA OF THE SITE THAT DISCHARGES TO A RECEIVING STREAM ARE NOT PROPERLY DESIGNED, INSTALLED AND MAINTAINED, CORRECTIVE ACTION SHALL BE DEFINED AND IMPLEMENTED WITHIN TWO (2) BUSINESS DAYS, AND TURBIDITY SAMPLES SHALL BE TAKEN FROM DISCHARGES FROM THAT AREA OF THE SITE FOR EACH SUBSEQUENT RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH DURING NORMAL BUSINESS HOURS* UNTIL THE SELECTED TURBIDITY STANDARD IS ATTAINED, OR UNTIL POST-STORM EVENT INSPECTIONS DETERMINE THAT BMPS ARE PROPERLY DESIGNED, INSTALLED AND MAINTAINED; AND

(D). EXISTING CONSTRUCTION ACTIVITIES, I.E., THOSE THAT ARE OCCURRING ON OR BEFORE THE EFFECTIVE DATE OF THIS PERMIT, THAT HAVE MET THE SAMPLING REQUIRED BY (A) ABOVE SHALL SAMPLE IN ACCORDANCE WITH (B). THOSE EXISTING CONSTRUCTION ACTIVITIES THAT HAVE MET THE SAMPLING REQUIRED BY (B) ABOVE SHALL NOT BE REQUIRED TO CONDUCT ADDITIONAL SAMPLING OTHER THAN AS REQUIRED BY (C) ABOVE.

*NOTE THAT THE PERMITTEE MAY CHOOSE TO MEET THE REQUIREMENTS OF (A) AND (B) ABOVE BY COLLECTING TURBIDITY SAMPLES FROM ANY RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH AND ALLOWS FOR MONITORING AT ANY TIME OF THE DAY OR WEEK.

REPORTING

1. THE APPLICABLE PERMITTEES ARE REQUIRED TO SUBMIT A SUMMARY OF THE MONITORING RESULTS TO THE EPD AT THE ADDRESS SHOWN IN PART II.C. OF THE NPDES PERMIT BY THE FIFTEENTH DAY OF THE MONTH FOLLOWING THE REPORTING PERIOD. REPORTING PERIODS ARE MONTHS DURING WHICH SAMPLES ARE TAKEN IN ACCORDANCE WITH THIS PERMIT. SAMPLING RESULTS SHALL BE IN A CLEARLY LEGIBLE FORMAT. UPON WRITTEN NOTIFICATION, EPD MAY REQUIRE THE APPLICABLE PERMITTEE TO SUBMIT THE SAMPLING RESULTS ON A MORE FREQUENT BASIS. SAMPLING AND ANALYSIS OF ANY STORM WATER DISCHARGE(S) OR THE RECEIVING WATER(S) BEYOND THE MINIMUM FREQUENCY STATED IN THIS PERMIT MUST BE REPORTED IN A SIMILAR MANNER TO THE EPD. THE SAMPLING REPORTS MUST BE SIGNED IN ACCORDANCE WITH PART V.G. SAMPLING REPORTS MUST BE SUBMITTED TO EPD UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI.

2. ALL WRITTEN CORRESPONDENCE REQUIRED BY THIS PERMIT SHALL BE SUBMITTED BY RETURN RECEIPT CERTIFIED MAIL (OR SIMILAR SERVICE) TO THE APPROPRIATE DISTRICT OFFICE OF THE EPD ACCORDING TO THE SCHEDULE IN APPENDIX A OF THIS PERMIT. THE PERMITTEE SHALL RETAIN A COPY OF THE PROOF OF SUBMITTAL AT THE CONSTRUCTION SITE OR THE PROOF OF SUBMITTAL SHALL BE READILY AVAILABLE AT A DESIGNATED LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI.

3. ALL MONITORING RESULTS SHALL INCLUDE THE FOLLOWING INFORMATION:

A. THE DATE, EXACT PLACE, AND TIME OF SAMPLING OR MEASUREMENTS;

B. THE NAME(S) OF THE INDIVIDUAL(S) WHO PERFORMED THE SAMPLING AND MEASUREMENTS;

C. THE DATE(S) ANALYSES WERE PERFORMED;

D. THE TIME(S) ANALYSES WERE INITIATED;

E. THE NAME(S) OF THE INDIVIDUAL(S) WHO PERFORMED THE ANALYSES;

F. REFERENCES AND WRITTEN PROCEDURES, WHEN AVAILABLE, FOR THE ANALYTICAL TECHNIQUES OR METHODS USED; AND

G. THE RESULTS OF SUCH ANALYSES, INCLUDING THE BENCH SHEETS, INSTRUMENT READOUTS, COMPUTER DISKS OR TAPES, ETC., USED TO DETERMINE THESE RESULTS.

H. RESULTS WHICH EXCEED 1000 NTU SHALL BE REPORTED AS "EXCEEDS 1000 NTU."

INSPECTIONS

PERMITTEE REQUIREMENTS

(1). EACH DAY WHEN ANY TYPE OF CONSTRUCTION ACTIVITY HAS TAKEN PLACE AT A PRIMARY PERMITTEE'S SITE, CERTIFIED PERSONNEL PROVIDED BY THE PRIMARY PERMITTEE SHALL INSPECT:

(A) ALL AREAS AT THE PRIMARY PERMITTEE'S SITE WHERE PETROLEUM PRODUCTS ARE STORED, USED, OR HANDLED FOR SPILLS AND LEAKS FROM VEHICLES AND EQUIPMENT;

(B) ALL LOCATIONS AT THE PRIMARY PERMITTEE'S SITE WHERE VEHICLES ENTER OR EXIT THE SITE FOR EVIDENCE OF OFF-SITE SEDIMENT TRACKING; AND

(C) MEASURE RAINFALL ONCE EACH 24 HOUR PERIOD AT THE SITE, EXCEPT ANY NON-WORKING SATURDAY, NON-WORKING SUNDAY, AND NON-WORKING FEDERAL HOLIDAY. THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.

(2). CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT THE FOLLOWING AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES RAINFALL OR GREATER (UNLESS SUCH STORM ENDS AFTER 5:00 PM ON ANY FRIDAY OR ON ANY NON-WORKING SATURDAY, NON-WORKING SUNDAY OR ANY NON-WORKING FEDERAL HOLIDAY IN WHICH CASE THE INSPECTION SHALL BE COMPLETED BY THE END OF THE NEXT BUSINESS DAY AND/OR WORKING DAY, WHICHEVER OCCURS FIRST):

(A) DISTURBED AREAS OF THE PRIMARY PERMITTEE'S CONSTRUCTION SITE THAT HAVE NOT UNDERGONE FINAL STABILIZATION;

(B) AREAS USED BY THE PRIMARY PERMITTEE FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION THAT HAVE NOT UNDERGONE FINAL STABILIZATION; AND

(C) STRUCTURAL CONTROL MEASURES.

EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN APPLICABLE TO THE PRIMARY PERMITTEE'S SITE SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATER(S), FOR AREAS OF A SITE THAT HAVE UNDERGONE FINAL STABILIZATION, THE PERMITTEE MUST COMPLY WITH PART IV.D.4.A.(3). THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.

(3). CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT AT LEAST ONCE PER MONTH DURING THE TERM OF THIS PERMIT (I.E., UNTIL A NOTICE OF TERMINATION IS RECEIVED BY EPD) THE AREAS OF THE SITE THAT HAVE UNDERGONE FINAL STABILIZATION. THESE AREAS SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM AND THE RECEIVING WATER(S). EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATER(S).

(4). BASED ON THE RESULTS OF EACH INSPECTION, THE SITE DESCRIPTION AND THE POLLUTION PREVENTION AND CONTROL MEASURES IDENTIFIED IN THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, THE PLAN SHALL BE REVISED AS APPROPRIATE NOT LATER THAN SEVEN (7) CALENDAR DAYS FOLLOWING EACH INSPECTION. IMPLEMENTATION OF SUCH CHANGES SHALL BE MADE AS SOON AS PRACTICAL BUT IN NO CASE LATER THAN SEVEN (7) CALENDAR DAYS FOLLOWING EACH INSPECTION.

(5). A REPORT OF EACH INSPECTION THAT INCLUDES THE NAME(S) OF PERSONNEL MAKING EACH INSPECTION, THE DATE(S) OF EACH INSPECTION, MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, AND ACTIONS TAKEN IN ACCORDANCE WITH PART IV.D.4.A.(4). OF THE PERMIT SHALL BE MADE AND RETAINED AT THE SITE OR BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION UNTIL THE ENTIRE SITE OR THE PORTION OF A CONSTRUCTION PROJECT THAT HAS BEEN PHASED HAS UNDERGONE FINAL STABILIZATION AND A NOTICE OF TERMINATION IS SUBMITTED TO EPD. SUCH REPORTS SHALL IDENTIFY ANY INCIDENTS OF NON-COMPLIANCE. WHERE THE REPORT DOES NOT IDENTIFY ANY INCIDENTS OF NON-COMPLIANCE, THE REPORT SHALL CONTAIN A CERTIFICATION THAT THE PERMITTEE IS IN COMPLIANCE WITH THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN AND THIS PERMIT. THE REPORT SHALL BE SIGNED IN ACCORDANCE WITH PART V.G. OF THIS PERMIT.

NOTICE OF TERMINATION (NOT) SUBMITTAL

NOTICE OF TERMINATION, SIGNED IN ACCORDANCE WITH PART V.G. OF THE NPDES PERMIT, MUST BE SUBMITTED FOR CONSTRUCTION ACTIVITIES, BY THE PERMITTEE WHERE THE ENTIRE STAND ALONE DEVELOPMENT HAS UNDERGONE FINAL STABILIZATION AND ALL STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY THAT ARE AUTHORIZED BY THIS PERMIT HAVE CEASED. FOR CONSTRUCTION ACTIVITIES WHERE THE PRIMARY PERMITTEE HAS ELECTED TO SUBMIT NOIS FOR SEPARATE PHASES OF THE STAND ALONE DEVELOPMENT, THE PHASE OR PHASES OF THE STAND ALONE DEVELOPMENT ON THE NOT SHALL CORRESPOND TO THE PHASE OR PHASES ON THE NOI AND SHALL HAVE UNDERGONE FINAL STABILIZATION AND ALL STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY THAT ARE AUTHORIZED BY THIS PERMIT SHALL HAVE CEASED.

Note: Appendix B chart and rationale are to be provided when sampling OUTFALLS. This chart is not needed when sampling receiving waters upstream and downstream of site.

###

GSWCC EROSION, SEDIMENTATION, AND POLLUTION CONTROL CHECKLIST FOR STAND ALONE CONSTRUCTION PROJECTS

Revised June 2015

For Official Use Only

NOTICE OF INTENT

VERSION June 2015

State of Georgia
Department of Natural Resources
Environmental Protection Division

For Coverage Under the 2013 Re-Issuance of the NPDES General Permits To Discharge Storm Water Associated With Construction Activity

THESE PERMITS EXPIRE JULY 31, 2018

PRIMARY PERMITTEE

****Instructions for this form are included on Page 6.****

NOTICE OF INTENT (Check Only One):

○ Initial Notification - (New Facility/Construction Site)

○ Change of Information - (Existing Facility/Construction Site)

COVERAGE DESIRED (Select Only One):

○ GAR 100001 Stand Alone
○ GAR 100002 Infrastructure
○ GAR 100003 Common Development

I. SITE/OWNER/OPERATOR INFORMATION

Project Construction Site Name: _____

For **GAR100001 Stand Alone** or **GAR 100003 Common Development** Project, enter GPS Location of Construction Site Entrance:

To convert to Decimal Degrees, **please see http://www.fcc.gov/encyclopedia/degrees-minutes-seconds-to-from-decimal-degrees**

Latitude (Dec Deg) _____ Longitude (Dec Deg) _____

For **GAR100002 Infrastructure** Project, enter GPS Location of the Beginning and End of the Infrastructure Project Including:

Latitude _____ Longitude _____

Latitude _____ Longitude _____

Construction Site Address (e.g., *street address*): _____

Page 1

Revised September 2013

For Official Use Only

NOTICE OF TERMINATION

VERSION 2013

State of Georgia
Department of Natural Resources
Environmental Protection Division

To Cease Coverage Under the NPDES General Permits To Discharge Storm Water Associated With Construction Activity

THESE PERMITS EXPIRE JULY 31, 2018

I.

PERMIT TYPE ***(Check Only One):***

GAR100001 - *Stand Alone*
GAR100002 – *Infrastructure*
GAR100003 - *Common Development*

PERMITTEE TYPE ***(Select Only One and Complete):***

Primary Permittee

Number of Secondary Permittees *(applicable only to General NPDES Permit No. GAR100003)*: _____

Secondary Permittee *(applicable only to General NPDES Permit No. GAR100003)*

Primary Permittee's Name: _____ Phone: _____

Email Address: _____

Address: _____ City: _____ State: _____ Zip Code: _____

Tertiary Permittee *(applicable only to General NPDES Permit No. GAR100003)*

Primary Permittee's Name *(if available)*: _____ Phone: _____

Email Address: _____

Address: _____ City: _____ State: _____ Zip Code: _____

Page 1

SCAN AND INSERT COPY OF COMPLETED AND SIGNED FORM

NOTICE OF INTENT (NOI)

NOTICE OF INTENT NOTES:

1. CONTRACTOR SHALL AFFIX THE COMPLETED NOI TO THIS SHEET AS APPROVED BY ISSUING AUTHORITY.

NOI PAGE 3.jpg

GSWCC Georgia Soil and Water Conservation Commission

Susan U. Major
Level II Certified Design Professional

Certification Number 0000028288
Issued: 12/15/2015 Expires: 12/15/2018

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST
STAND ALONE CONSTRUCTION PROJECTS

SWCD: FULTON COUNTY

Project Name: UPPER PROCTOR CREEK CAPACITY RELIEF PROJ. **Address:** 310 VINE STREET
City/County: ATLANTA/FULTON **Date on Plans:** 5/12/2017

Plan Page #	Included Y/N	TO BE SHOWN ON ES&PC PLAN
EC-007	Y	1 The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of January 1 of the year in which the land-disturbing activity was permitted. (The completed Checklist must be submitted with the ES&PC Plan or the Plan will not be reviewed)
EC-000	Y	2 Level II certification number issued by the Commission, signature and seal of the certified design professional. (Signature, seal and Level II number must be on each sheet pertaining to ES&PC plan or the Plan will not be reviewed)
N/A	N/A	3 Limits of disturbance shall be no greater than 50 acres at any one time without prior written authorization from the EPD District Office. If EPD approves the request to disturb 50 acres or more at any one time, the plan must include at least 4 of the BMPs listed in Appendix 1 of this checklist.* (A copy of the written approval by EPD must be attached to the plan for the plan to be reviewed.)
EC-000	Y	4 The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution controls.
EC-000	Y	5 Provide the name, address and phone number of primary permittee.
EC-000	Y	6 Note total and disturbed acreage of the project or phase under construction.
EC-001B-F	Y	7 Provide the GPS location of the construction exit for the site. Give the Latitude and Longitude in decimal degrees.
EC-000	Y	8 Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.
EC-005	Y	9 Description of the nature of construction activity.
EC-000	Y	10 Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.
EC-005	Y	11 Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected.
EC-000	Y	12 Design professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as stated on page 15 of the permit.
EC-000	Y	13 Design professional's certification statement and signature that the permittee's ES&PC Plan provides for an appropriate and comprehensive system of BMPs and sampling to meet permit requirements as stated on page 15 of the permit.*
EC-004	Y	14 Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect the installation of the initial sediment storage requirements and perimeter control BMPs within 7 days after installation."*
N/A	N/A	15 Clearly note the statement that "Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream buffers as measured from the point of wrested vegetation or within 25-feet of the coastal marshland buffer as measured from the Jurisdictional Determination Line without first acquiring the necessary variances and permits."*
N/A	N/A	16 Provide a description of any buffer encroachments and indicate whether a buffer variance is required.
EC-004	Y	17 Clearly note the statement that "Amendments/revisions to the ES&PC Plan which have a significant effect on BMPs with a hydraulic component must be certified by the design professional."*
EC-000	Y	18 Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as authorized by a section 404 permit."*
EC-000	Y	19 Clearly note statement that "The escape of sediment from the site shall be prevented by the installation of erosion and sediment control measures and practices prior to land disturbing activities."*
EC-000	Y	20 Clearly note statement that "Erosion control measures will be maintained at all times. If full implementation of the approved plan does not provide for effective erosion control, additional erosion and sediment control measures shall be implemented to control or treat the sediment source."*
EC-000	Y	21 Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding."*
N/A	N/A	22 Any construction activity which discharges storm water into an Impaired Stream Segment, or within 1 linear mile upstream of and within the same watershed as, any portion of an Biota Impaired Stream Segment must comply with Part III, C. of the Permit. Include the completed Appendix 1 listing all the BMPs that will be used for those areas of the site which discharge to the Impaired Stream Segment.*
N/A	N/A	23 If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segment (identified in item 22 above) at least six months prior to submittal of NOI, the ES&PC Plan must address any site-specific conditions or requirements included in the TMDL Implementation Plan.*
EC-006	Y	24 BMPs for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Washout of the drum at the construction site is prohibited.*
EC-006	Y	25 Provide BMPs for the remediation of all petroleum spills and leaks.
EC-001A-F, 002A-F, 003A-F	Y	26 Description of the measures that will be installed during the construction process to control pollutants in storm water that will occur after construction operations have been completed.*
EC-001A-F, 002A-F, 003A-F	Y	27 Description of the practices that will be used to reduce the pollutants in storm water discharges.*
EC-001A-F, 002A-F, 003A-F	Y	28 Description and chart or timeline of the intended sequence of major activities which disturb soils for the major portions of the site (i.e., Initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, utility activities, temporary and final stabilization).
EC-004	Y	29 Provide complete requirements of inspections and record keeping by the primary permittee.*
EC-006	Y	30 Provide complete requirements of sampling frequency and reporting of sampling results.*
EC-004	Y	31 Provide complete details for retention of records as per Part IV.F. of the permit.*
EC-005	Y	32 Description of analytical methods to be used to collect and analyze the samples from each location.*
EC-005	Y	33 Appendix B rationale for NTU values at all outfall sampling points where applicable.*
EC-002A-F, 003A-F	Y	34 Delineate all sampling locations, perennial and intermittent streams and other water bodies into which storm water is discharged.*
EC-001A-F, 002A-F, 003A-F	Y	35 A description of appropriate controls and measures that will be implemented at the construction site including: (1) initial sediment storage requirements and perimeter control BMPs, (2) intermediate grading and drainage BMPs, and (3) final BMPs. For construction sites where there will be no mass grading and the initial perimeter control BMPs, intermediate grading and drainage BMPs, and final BMPs are the same, the plan may combine all of the BMPs into a single phase.*
EC-001A-F, 002A-F, 003A-F	Y	36 Graphic scale and North arrow.
EC-001A-F, 002A-F, 003A-F	Y	37 Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following:

Map Scale	Ground Slope	Contour Intervals, ft.
1 inch = 100ft or larger scale	Flat 0 - 2%	0.5 or 1
	Rolling 2 - 6%	1 or 2
	Steep 6% +	2,5 or 10

N/A	N/A	38 Use of alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as certified by a Design Professional (unless disapproved by EPD or the Georgia Soil and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document found at www.gaswcc.org.
N/A	N/A	39 Use of alternative BMP for application to the Equivalent BMP List. Please refer to Appendix A-2 of the Manual for Erosion & Sediment Control in Georgia 2016 Edition.*
N/A	N/A	40 Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to state waters and any additional buffers required by the Local Issuing Authority. Clearly note and delineate all areas of impact.
N/A	N/A	41 Delineation of on-site wetlands and all state waters located on and within 200 feet of the project site.
C-105A	Y	42 Delineation and acreage of contributing drainage basins on the project site.
N/A	N/A	43 Provide hydrology study and maps of drainage basins for both the pre- and post-developed conditions.*
EC-006	Y	44 An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed.
N/A	Y	45 Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points.
EC-000	Y	46 Soil series for the project site and their delineation.
EC-001A-F, 002A-F, 003A-F	Y	47 The limits of disturbance for each phase of construction.
EC-001B, 002B, 001F, 002E	Y	48 Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin, retrofitted detention pond, and/or excavated inlet sediment traps for each common drainage location. Sediment storage volume must be in place prior to and during all land disturbance activities until final stabilization of the site has been achieved. A written justification explaining the decision to use equivalent controls when a sediment basin is not attainable must be included in the plan for each common drainage location in which a sediment basin is not provided. A written justification as to why 67 cubic yards of storage is not attainable must also be given. Worksheets from the Manual included for structural BMPs and all calculations used by the storage design professional to obtain the required sediment when using equivalent controls. When discharging from sediment basins and impoundments, permitees are required to utilize outlet structures that withdraw water from the surface, unless infeasible. If outlet structures that withdraw water from the surface are not feasable, a written justification explaining this decision must be included in the plan.
EC-001A-F, 002A-F, 003A-F	Y	49 Location of Best Management Practices that are consistent with and no less stringent than the Manual for Erosion and Sediment Control in Georgia. Use uniform coding symbols from the Manual, Chapter 6, with legend.
EC-008-012	Y	50 Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines set forth in the Manual for Erosion and Sediment Control in Georgia.
EC-013-014	Y	51 Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of the year that seeding will take place and for the appropriate geographic region of Georgia.

*If using this checklist for a project that is less than 1 acre and not part of a common development but within 200 ft of a perennial stream the * checklist items would be N/A.* **Effective January 1, 2017**

24 HOUR EROSION CONTROL CONTACT:
NAME: STEVE ORTMAN
ADDRESS: 300 CHURCHILL COURT
WOODSTOCK, GA 30188
PHONE #: 404-427-3872

GEORGIA REGISTERED No. PE16710 PROFESSIONAL ENGINEER SUSAN U. MAJOR

811 Know what's **below.** **Call** before you dig.

CITY OF ATLANTA DEPARTMENT OF watershed management
JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY
EROSION AND SEDIMENT CONTROL
REMEDIATION PHASE
SCANNED DOCUMENTS SHEETS

No.	Description	Date
0	ISSUED FOR PERMITTING	9/25/2017

PROJECT NO: 7383-E
DESIGNED BY: CW
DRAWN BY: JC
CHECKED BY: BS
DATE: 9-25-2017
SCALE: NOTED

DRAWING NO.
EC-007

SHEET OF

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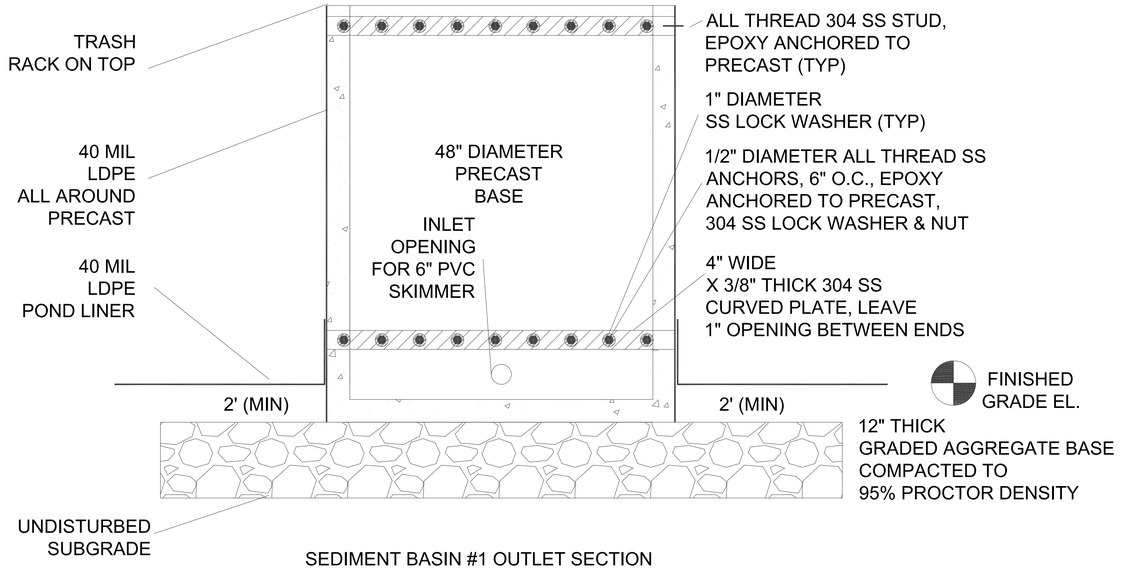
SEDIMENT BASIN #2 NOTES

1. OMIT LINER, STUDS, ANCHORS, AND CURVED PLATE.

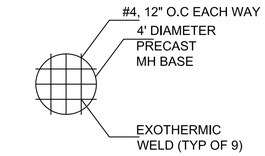
2. USE A 4" PVC SKIMMER INLET OPENING.

3. SAME AS SEDIMENT BASIN#1, EXCEPT AS INDICATED ABOVE.



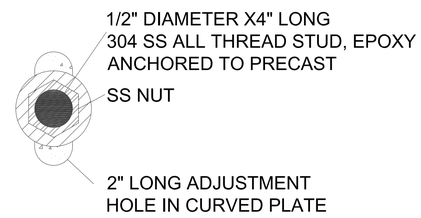
SEDIMENT BASIN #1 OUTLET SECTION

1" = 1 FOOT H&V



TRASH RACK PLAN

NTS



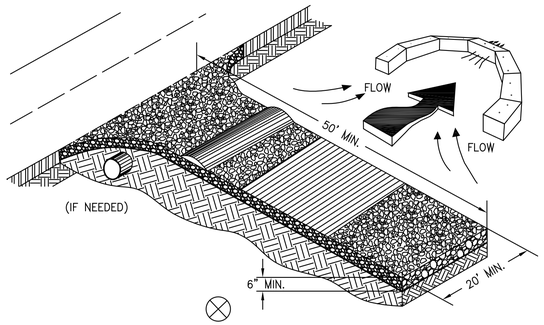
TYPICAL HOLE IN CURVED PLATE

NTS

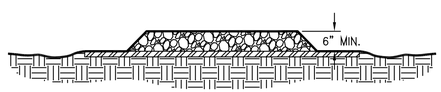
24 HOUR EROSION CONTROL CONTACT:

NAME: STEVE ORTMAN
ADDRESS: 300 CHURCHILL COURT
WOODSTOCK, GA 30188
PHONE #: 404-427-3872

EXIT DIAGRAM



ENTRANCE ELEVATION



NOTES:
1. AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC ROADS.
2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE, AND CROWN FOR POSITIVE DRAINAGE.
3. AGGREGATE SIZE SHALL BE IN ACCORDANCE WITH NATIONAL STONE ASSOCIATION R-2 (1.5"-3.5" STONE).
4. GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6".
5. PAD WIDTH SHALL BE EQUAL FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN 20'.
6. A DIVERSION RIDGE SHOULD BE CONSTRUCTED WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2%.
7. INSTALL PIPE UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.
8. WHEN WASHING IS REQUIRED, IT SHOULD BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN (DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE ENTRANCE TO A SEDIMENT CONTROL DEVICE).
9. WASHRACKS AND/OR TIRE WASHERS MAY BE REQUIRED DEPENDING ON SCALE AND CIRCUMSTANCE. IF NECESSARY, WASHRACK DESIGN MAY CONSIST OF ANY MATERIAL SUITABLE FOR TRUCK TRAFFIC THAT REMOVE MUD AND DIRT.
10. MAINTAIN AREA IN A WAY THAT PREVENTS TRACKING AND/OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.

Co CRUSHED STONE CONSTRUCTION EXIT
N.T.S.

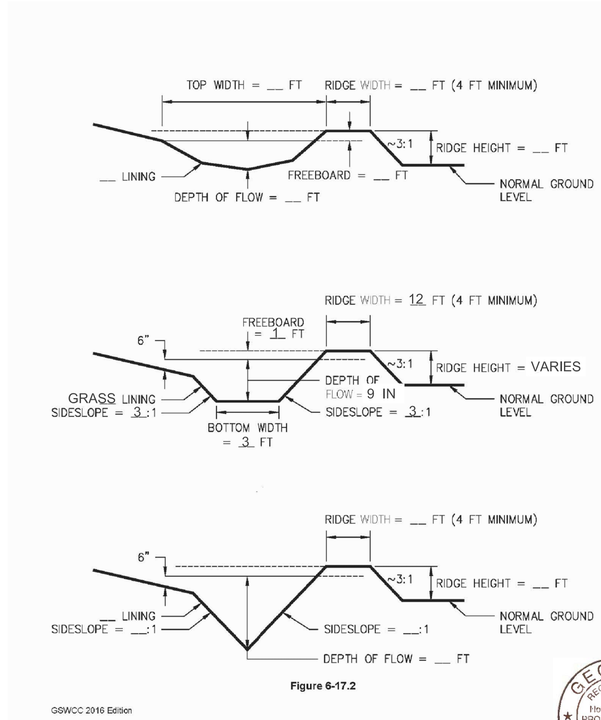


Figure 6-17.2

GSWCC 2016 Edition

Di DIVERSION TYPES
N.T.S.

GSWCC
GEORGIA SOIL AND WATER CONSERVATION COMMISSION

Susan U. Major
Level II Certified Design Professional
CERTIFICATION NUMBER 0000028288
ISSUED: 12/15/2015 EXPIRES: 12/15/2018

GEORGIA REGISTERED No. PE16710 PROFESSIONAL ENGINEER SUSAN U. MAJOR

811 Know what's below. Call before you dig.

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY
EROSION AND SEDIMENT CONTROL
REMEDIATION PHASE
ESPC STANDARD DETAILS

CITY OF ATLANTA DEPARTMENT OF watershed management
JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

No.	Description	Date
0	ISSUED FOR PERMITTING	9/25/2017

PROJECT NO: 7383-E
DESIGNED BY: CW
DRAWN BY: JC
CHECKED BY: BS
DATE: 9-25-2017
SCALE: NOTED

DRAWING NO.
EC-008

SHEET OF

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DESIGN CRITERIA FOR ALL Sd2 APPLICATIONS

MANY SEDIMENT FILTERING DEVICES CAN BE DESIGNED TO SERVE AS TEMPORARY SEDIMENT TRAPS. SEDIMENT TRAPS MUST BE SELF-DRAINING UNLESS THEY ARE OTHERWISE PROTECTED IN AN APPROVED FASHION THAT WILL NOT PRESENT A SAFETY HAZARD. **THE AREA DRAINING TO THE INLET SEDIMENT TRAP SHALL BE NO GREATER THAN ONE ACRE.**

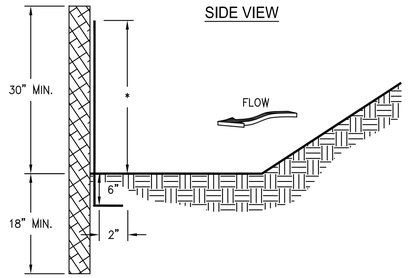
IF RUNOFF MAY BYPASS THE PROTECTED INLET, A TEMPORARY DIKE SHOULD BE CONSTRUCTED ON THE DOWN SLOPE SIDE OF THE STRUCTURE. ALSO, A STONE FILTER RING MAY BE USED ON THE UP SLOPE SIDE OF THE INLET TO SLOW RUNOFF AND FILTER LARGER SOIL PARTICLES. REFER TO FR-STONE FILTER RING.

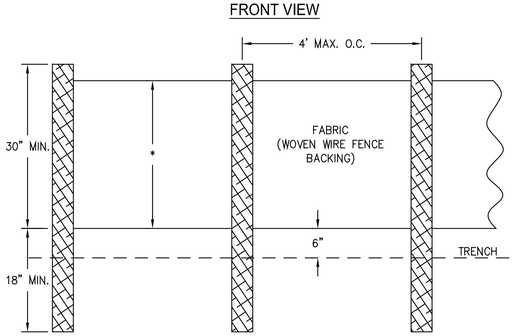
MAINTENANCE FOR ALL Sd2 APPLICATIONS

ALL TRAPS SHALL BE INSPECTED DAILY AND AFTER EACH RAIN AND REPAIRS MADE AS NEEDED. SEDIMENT SHALL BE REMOVED WHEN THE SEDIMENT HAS ACCUMULATED TO ONE-HALF THE HEIGHT OF THE TRAP. SEDIMENT SHALL BE REMOVED FROM CURB INLET PROTECTION IMMEDIATELY. FOR EXCAVATED INLET SEDIMENT TRAPS, SEDIMENT SHALL BE REMOVED WHEN ONE-HALF OF THE SEDIMENT STORAGE CAPACITY HAS BEEN LOST TO SEDIMENT ACCUMULATION. SOD INLET PROTECTION SHAL BE MAINTAINED AS SPECIFIED IN DS4-DISTURBED AREA STABLIZATION (WITH SODDING).

SEDIMENT SHALL NOT BE WASHED INTO THE INLET. IT SHALL BE REMOVED FROM THE SEDIMENT TRAP AND DISPOSED OF AND STABILIZED SO THAT IT WILL NOT ENTER THE INLET, AGAIN.
WHEN THE CONTRIBUTING DRAINAGE AREA HAS BEEN PERMANENTLY STABILIZED, ALL MATERIALS AND ANY SEDIMENT SHALL BE REMOVED, AND EITHER SALVAGED OR DISPOSED OF PROPERLY. THE DISTURBED AREA SHALL BE BROUGHT TO PROPER GRADE, THEN SMOOTHED AND COMPACTED. ALL DISTURBED AREAS AROUND THE INLET SHALL BE APPROPRIATELY STABILIZED.

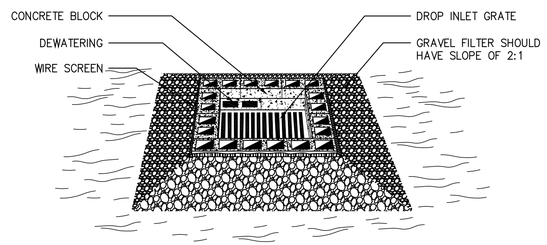
Sd2 INLET SEDIMENT BARRIER



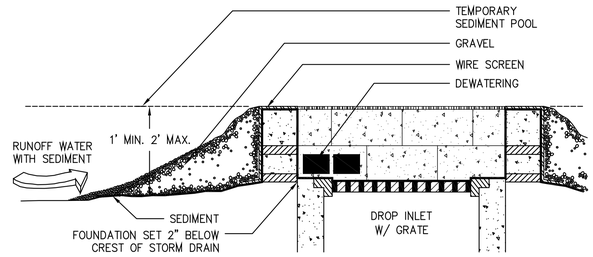


NOTES:
1. USE STEEL OR WOOD POSTS OR AS SPECIFIED BY THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
2. HEIGHT (*) IS TO BE SHOWN ON THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

Sd1-S SILT FENCE - TYPE SENSITIVE
N.T.S.



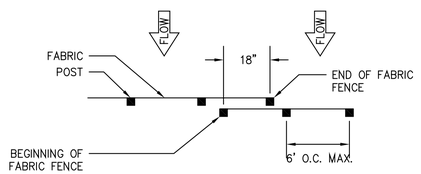
BLOCK AND GRAVEL SECTION



NOTE:
1. HARDWARE CLOTH OR COMPARABLE WIRE MESH WITH ½ INCH OPENINGS SHALL BE FITTED OVER ALL BLOCK OPENINGS TO HOLD GRAVEL IN PLACE.
2. THE FOUNDATION SHOULD BE EXCAVATED AT LEAST 2 INCHES BELOW THE CREST OF THE STORM DRAIN. THE FIRST ROW OF BLOCKS WILL BE PLACED HERE FOR LATERAL SUPPORT.
3. ONE BLOCK (AS SHOWN) IS TO BE PLACED ON EACH SIDE OF THE STRUCTURE ON ITS SIDE IN THE BOTTOM ROW TO ALLOW FOR POOL DRAINAGE.

Sd2-BG BLOCK & GRAVEL DROP INLET PROTECTION
N.T.S.

OVERLAP AT FABRIC ENDS

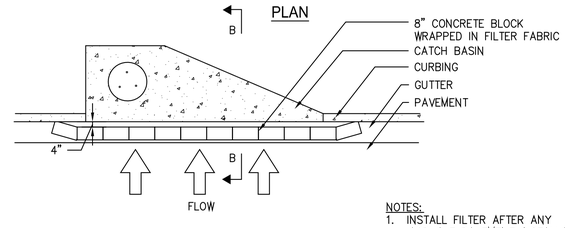


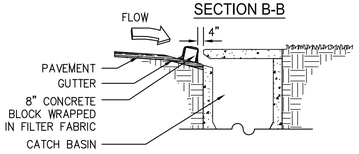
TOP VEIW – NOT TO SCALE

FRONT VIEWS – NOT TO SCALE

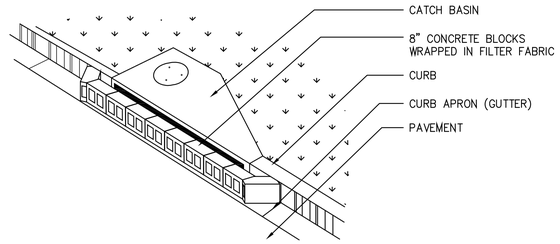
NOTES:
1. THE FABRIC AND WIRE SHOULD BE SECURELY FASTENED TO POSTS AND FABRIC ENDS MUST BE OVERLAPPED A MINIMUM OF 18" OR WRAPPED TOGETHER AROUND A POST TO PROVIDE A CONTINUOUS FABRIC BARRIER AROUND THE INLET.

Sd1-S FASTENER FOR SILT FENCE
N.T.S.





NOTES:
1. INSTALL FILTER AFTER ANY ASPHALT PAVEMENT INSTALLATION
2. WRAP 8" CONCRETE BLOCKS IN FILTER FABRIC AND SPAN ACROSS CATCH BASIN INLET.
3. FACE OPENINGS IN BLOCKS OUTWARD.
4. LEAVE A GAP OF APPROXIMATELY 4 INCHES BETWEEN THE CURB AND THE FILTERS TO ALLOW FOR OVERFLOW TO PREVENT HAZARDOUS PONDING.
5. INSTALL OUTLET PROTECTION BELOW STORM DRAIN OUTLETS.



Sd2-P CURB FILTER INLET
N.T.S.

24 HOUR EROSION CONTROL CONTACT:
NAME: STEVE ORTMAN
ADDRESS: 300 CHURCHILL COURT
WOODSTOCK, GA 30188
PHONE #: 404-427-3872

GSWCC Georgia Soil and Water Conservation Commission
Susan U. Major
Level II Certified Design Professional
Certification Number 0000028288
Issued: 12/15/2015 Expires: 12/15/2018

GEORGIA REGISTERED No. PE16710 PROFESSIONAL ENGINEER SUSAN U. MAJOR

Know what's below. Call before you dig.

CITY OF ATLANTA DEPARTMENT OF watershed management
JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY
EROSION AND SEDIMENT CONTROL
REMEDIATION PHASE
ESPC STANDARD DETAILS

No.	Description	Date
0	ISSUED FOR PERMITTING	9/25/2017

PROJECT NO: 7383-E
DESIGNED BY: CW
DRAWN BY: JC
CHECKED BY: BS
DATE: 9-25-2017
SCALE: NOTED

DRAWING NO.
EC-009
SHEET OF

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Plot Date: 9/22/2017 2:38 PM Plot By: SMajor Filename: O:\73_WS\T-2\EC-000-017_Remediation.dwg

TEMPORARY SEDIMENT BASIN DESIGN SHEET

Computed by _____ Date _____
Checked by_____ Date _____

Project Name UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
Basin No. 1
Total area draining to basin = 12.3 acres Note: This pond is designed based on drainage area during
Disturbed area draining to basin = 8.89 acres stormwater pond construction (post-remediation)

Volume

1. Compute minimum required storage volume (V_s).
   V_s = 67 cy/ac * 12.3 acres = 824 cy
2. Compute volume of basin at clean-out (V).
   V_s = 22 cy/ac * 12.3 acres = 270.6 cy
3. Determine elevation corresponding to minimum required storage volume, V_s.
   Minimum riser crest elevation = 921.85 ft (determined by stage/storage relationship)
4. Determine elevation corresponding to clean-out volume, V_c.
   Clean-out elevation = 920.3 ft (determined by stage/storage relationship)
   Note: Clean-out elevation shall be clearly marked on the riser or marked by a post near the riser.
5. Compute length of riser.
   Riser length = Minimum elevation of riser crest - Lowest elevation of pipe at riser
   Riser length = 923.75 ft - 917.0 ft
   Riser length = 6.75 ft

Stormwater Runoff

6. Compute peak discharge from a 2-yr, 24-hr storm event.
   Q_2 = 32.43 cfs (Attach runoff computation sheet.)
7. Compute peak discharge from a 25-yr, 24-hr storm event.
   Q_{25} = 66.87 cfs (Attach runoff computation sheet.)

Surface Area/Configuration Design

8. Compute minimum basin surface area (SA_{bs}).
   SA_{bs} = 0.01 ac/cfs * Q_2
   SA_{bs} = 0.01 ac/cfs * 32.43 cfs
   SA_{bs} = 0.32 ac = 43560 sf/ac * 0.32 ac = 14127 sf
9. Check available area at elevation of riser crest.
   Available area = 16043 sf (determined by stage/storage relationship)
   Available area SA_{bs}? Yes X No ____
10. Compute required length to achieve 2:1 L:W ratio.
    Average width = 83 ft
    Required length = 2 * average width
    Required length = 2 * 83 ft
    Required length = 166 ft
    Available length = 140 ft
    2:1 L:W ratio satisfied? Yes ____ No X
    If "no", refer to Figure 6-29.2 for baffle designs. Note any required baffles on E&SC Plan and include calculations and details for baffle(s). BAFFLES NOT REQUIRED AS ONLY DISCHARGE FROM POND IS VIA RELEASE VALVE.

Principal Spillway (ps)

11. Determine maximum principal spillway capacity.
    $Q_{max} = Q_s$ = 32.43 cfs
12. Compute the vertical distance between the centerline of the outlet pipe and the emergency spillway crest (H).
    H = 6 ft
13. Compute the total pipe length of the principal spillway, L, using Figure 6-29.3.
    L = [A - (B+C)/2] [Zu+Zd] + T + E = (____ - (____ + ____)/2] [____ + ____] + ____ + ____
    L = 118 ft

TEMPORARY SEDIMENT BASIN DESIGN SHEET
Project Name _____
Page 2

14. Determine diameter of principal spillway (D_{ps}) and flow through the principal spillway (Q) from Table 6-29.1 using H and Q_{max}.
    D_{ps} = 18 in. Q = 26.8 cfs (value directly from table) ADJUSTED FOR N = 0.012 (RCP)
15. Compute actual flow through the principal spillway, using Table 6-29.1 to determine the correction factor for pipe length, L.
    Q_{ps} = Q * correction factor = 26.8 cfs * .82
    Q_{ps} = 21.95 cfs
16. Compute riser diameter (D_r).
    D_r = 1.5 * D_{ps}
    D_r = 1.5 * 18 in.
    D_r = 27 in.
    D_r = 48 in.
17. Compute trash rack diameter (D_t).
    D_t = 1.4 * D_r
    D_t = 1.4* 27 in.
    D_t = 37.8 in.
    D_t = 48 in.
18. Determine the minimum distance between the riser crest and the emergency spillway crest, h, using Table 6-29.2 D_r and Q_{ps}.
    h = 0.75 ft

Concrete Riser Base Design

19. Determine the volume of concrete per vertical foot of riser height needed, from Table 6-29.3 to prevent flotation.
    Required volume of concrete per vertical foot = 10.98 cf/v.f.
20. Compute total volume of concrete required.
    Total required volume of concrete = Required volume per vertical foot * Riser length
    Total required volume of concrete = 10.98 cf/v.f. * 6.75 ft
    Total volume of concrete required = 74.1 cf
21. Assume base thickness, B (usually 18").
    B = 18 in = 1.5 ft
22. Compute required surface area.
    Required surface area = Total volume required / B
    Required surface area = 74.1 cf / 1.5 ft
    Required surface area = 49.4 sf
23. Compute riser base length (l) and width (w) (assume square base).
    l = w = (required surface area)$^{1/2}$
    l = w = (49.4 sf)$^{1/2}$
    l = w = 7.0 ft = 12in/ft* 7.0 ft = 84 in

Anti-Seep Collar Design

24. Determine if anti-seep collar is required. If yes, to any of the following conditions, a collar is required:
    ____ The settled height of the dam is greater than 15 feet.
    x The principal spillway diameter (D_{ps}) is smooth pipe larger than 8".
    ____ The principal spillway diameter (D_{ps}) is corrugated metal pipe larger than 12".
25. Determine size of anti-seep collar required.
    x 18-inch projection (for heads (H) less than or equal to 10 feet).
    ____ 24-inch projection (for heads (H) greater than 10 feet).

Emergency Spillway (es)

26. Compute minimum capacity of emergency spillway (Q_{es})
    Q_{es} = Q_{25} - Q_s = 66.87 cfs - 21.98 cfs
    Q_{es} = 44.89 cfs

TEMPORARY SEDIMENT BASIN DESIGN SHEET
Project Name _____
Page 3

27. Determine stage (H_p), bottom width (b), velocity (V) and minimum exit slope (S) using Table 6-29.4 and Q_{es}.
    H_p = 0.5 ft b = 17 ft V = 5.8 fps S = 1 %
28. Actual entrance channel slope, S_c = 1.0 %
29. Actual exit channel slope, S_x = 1.0 %
    Note: If S_x is steeper than S (from Table 6-29.4), then the velocity in the exit channel will increase.

    a.) Calculate new exit velocity (V_x)
    V_x = V (S_x/S) $^{0.5}$ = _____ fps * (_____/_____) $^{0.5}$
    V_x = _____ fps
    Note: Refer to Channel Stabilization (Ch) to determine the proper lining for the emergency spillway.
    Grass _____ Rip-rap X Concrete _____

Design Elevations

30. Riser crest elevation = 923.75 ft
31. Compute minimum emergency spillway crest elevation.
    924.5 Minimum emergency spillway crest elevation = Riser crest elevation + h
    Minimum emergency spillway crest elevation = 923.75 ft + 0.75 ft
    Minimum emergency spillway crest elevation = 924.50 ft
32. Determine design high water elevation
    Design high water elevation = Minimum emergency spillway crest elevation + Stage elevation (Hp)
    Design high water elevation = 924.5 ft + 0 ft
    Design high water elevation = 924.5 ft
33. Determine elevation of top of dam NOTE: SEDIMENT BASIN IS EXCAVATED, THEREFORE NO DAM
    Elevation of top of dam = Design high water elevation + 1 ft freeboard
    Elevation of top of dam = _____ ft + 1 ft
    Elevation of top of dam = _____ ft

PLEASE NOTE THAT DESIGN VALUES DETERMINED BY THIS SHEET REPRESENT THE MINIMUM REQUIREMENTS FOR A TEMPORARY SEDIMENT BASIN.

Sd3 TEMPORARY SEDIMENT BASIN 1
N.T.S.

TEMPORARY SEDIMENT BASIN DESIGN SHEET

Computed by _____ Date _____
Checked by_____ Date _____

Project Name UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
Basin No. 2
Total area draining to basin = 1.04 acres
Disturbed area draining to basin = 0.82 acres

Volume

1. Compute minimum required storage volume (V_s).
   V_s = 67 cy/ac * 1.04 acres = 69.68 cy
2. Compute volume of basin at clean-out (V).
   V_s = 22 cy/ac * 1.04 acres = 22.88 cy
3. Determine elevation corresponding to minimum required storage volume, V_s.
   Minimum riser crest elevation = 923.75 ft (determined by stage/storage relationship)
4. Determine elevation corresponding to clean-out volume, V_c.
   Clean-out elevation = 922.3 ft (determined by stage/storage relationship)
   Note: Clean-out elevation shall be clearly marked on the riser or marked by a post near the riser.
5. Compute length of riser.
   Riser length = Minimum elevation of riser crest - Lowest elevation of pipe at riser
   Riser length = 923.75 ft - 918.00 ft
   Riser length = 5.75 ft

Stormwater Runoff

6. Compute peak discharge from a 2-yr, 24-hr storm event.
   Q_2 = 3.21 cfs (Attach runoff computation sheet.)
7. Compute peak discharge from a 25-yr, 24-hr storm event.
   Q_{25} = 8.36 cfs (Attach runoff computation sheet.)

Surface Area/Configuration Design

8. Compute minimum basin surface area (SA_{bs}).
   SA_{bs} = 0.01 ac/cfs * Q_2
   SA_{bs} = 0.01 ac/cfs * 3.21 cfs
   SA_{bs} = 0.03 ac = 43560 sf/ac * 0.03 ac = 1307 sf
9. Check available area at elevation of riser crest.
   Available area = 2713 sf (determined by stage/storage relationship)
   Available area SA_{bs}? Yes X No ____
10. Compute required length to achieve 2:1 L:W ratio.
    Average width = 47 ft
    Required length = 2 * average width
    Required length = 2 * 47 ft
    Required length = 94 ft
    Available length = 101 ft
    2:1 L:W ratio satisfied? Yes x No ____
    If "no", refer to Figure 6-29.2 for baffle designs. Note any required baffles on E&SC Plan and include calculations and details for baffle(s).

Principal Spillway (ps)

11. Determine maximum principal spillway capacity.
    $Q_{max} = Q_s$ = 3.21 cfs
12. Compute the vertical distance between the centerline of the outlet pipe and the emergency spillway crest (H).
    H = 3.75 ft
13. Compute the total pipe length of the principal spillway, L, using Figure 6-29.3.
    L = [A - (B+C)/2] [Zu+Zd] + T + E = (____ - (____ + ____)/2] [____ + ____] + ____ + ____
    L = 129 ft

TEMPORARY SEDIMENT BASIN DESIGN SHEET
Project Name _____
Page 2

14. Determine diameter of principal spillway (D_{ps}) and flow through the principal spillway (Q) from Table 6-29.1 using H and Q_{max}.
    10.9 X 2 = 21.8
    D_{ps} = 18 in. Q = ____ cfs (value directly from table)
15. Compute actual flow through the principal spillway, using Table 6-29.1 to determine the correction factor for pipe length, L.
    Q_{ps} = Q_s * correction factor = 21.8 cfs * .077
    Q_{ps} = 16.8 cfs
16. Compute riser diameter (D_r).
    D_r = 1.5 * D_{ps}
    D_r = 1.5 * 18 in.
    D_r = 27 in.
    D_r = 48 in.
17. Compute trash rack diameter (D_t).
    D_t = 1.4 * D_r
    D_t = 1.4* 27 in.
    D_t = 37.8 in.
    D_t = 48 in.
18. Determine the minimum distance between the riser crest and the emergency spillway crest, h, using Table 6-29.2 D_r and Q_{ps}.
    h = ____ ft

Concrete Riser Base Design

19. Determine the volume of concrete per vertical foot of riser height needed, from Table 6-29.3 to prevent flotation.
    Required volume of concrete per vertical foot = 10.98 cf/v.f.
20. Compute total volume of concrete required.
    Total required volume of concrete = Required volume per vertical foot * Riser length
    Total required volume of concrete = 10.98 cf/v.f. * 5.75 ft
    Total volume of concrete required = 63.1 cf
21. Assume base thickness, B (usually 18").
    B = 18 in = 1.5 ft
22. Compute required surface area.
    Required surface area = Total volume required / B
    Required surface area = 63.1 cf / 1.5 ft
    Required surface area = 42.1 sf
23. Compute riser base length (l) and width (w) (assume square base).
    l = w = (required surface area)$^{1/2}$
    l = w = (42.1 sf)$^{1/2}$
    l = w = 6.5 ft = 12in/ft* 6.5 ft = 78 in

Anti-Seep Collar Design NO EMBANKMENT THEREFORE ANTI-SEEP COLLAR IS NOT REQUIRED.

24. Determine if anti-seep collar is required. If yes, to any of the following conditions, a collar is required:
    ____ The settled height of the dam is greater than 15 feet.
    x The principal spillway diameter (D_{ps}) is smooth pipe larger than 8".
    ____ The principal spillway diameter (D_{ps}) is corrugated metal pipe larger than 12".
25. Determine size of anti-seep collar required.
    x 18-inch projection (for heads (H) less than or equal to 10 feet).
    ____ 24-inch projection (for heads (H) greater than 10 feet).

Emergency Spillway (es)

26. Compute minimum capacity of emergency spillway (Q_{es})
    Q_{es} = Q_{25} - Q_s = 8.36 cfs - 16.8 cfs
    Q_{es} = N/A cfs

TEMPORARY SEDIMENT BASIN DESIGN SHEET
Project Name _____
Page 3

27. Determine stage (H_p), bottom width (b), velocity (V) and minimum exit slope (S) using Table 6-29.4 and Q_{es}.
    H_p = 0.5 ft b = 8 ft V = 2.7 fps S = 1 %
28. Actual entrance channel slope, S_c = 1.0 %
29. Actual exit channel slope, S_x = 1.0 %
    Note: If S_x is steeper than S (from Table 6-29.4), then the velocity in the exit channel will increase.

    a.) Calculate new exit velocity (V_x)
    V_x = V (S_x/S) $^{0.5}$ = _____ fps * (_____/_____) $^{0.5}$
    V_x = _____ fps
    Note: Refer to Channel Stabilization (Ch) to determine the proper lining for the emergency spillway.
    Grass _____ Rip-rap X Concrete _____

Design Elevations

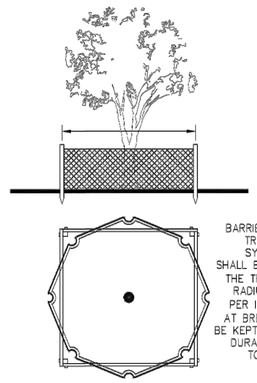
30. Riser crest elevation = 923.75 ft
31. Compute minimum emergency spillway crest elevation.
    Minimum emergency spillway crest elevation = Riser crest elevation + h
    Minimum emergency spillway crest elevation = 923.75 ft + 0.7 ft
    Minimum emergency spillway crest elevation = 924.4 ft
32. Determine design high water elevation
    Design high water elevation = Minimum emergency spillway crest elevation + Stage elevation (Hp)
    Design high water elevation = 923.75 ft + 0.5 ft
    Design high water elevation = 924.25 ft
33. Determine elevation of top of dam NOTE: SEDIMENT BASIN IS EXCAVATED, THEREFORE NO DAM
    Elevation of top of dam = Design high water elevation + 1 ft freeboard
    Elevation of top of dam = _____ ft + 1 ft
    Elevation of top of dam = _____ ft

PLEASE NOTE THAT DESIGN VALUES DETERMINED BY THIS SHEET REPRESENT THE MINIMUM REQUIREMENTS FOR A TEMPORARY SEDIMENT BASIN.

Sd3 TEMPORARY SEDIMENT BASIN 2
N.T.S.

TREE PROTECTION

CHAIN LINK FENCE DETAIL



BARRIER CONSTRUCTED TO PROTECT TREE TRUNK, CROWN, AND ROOT SYSTEM FROM INJURY. BARRIERS SHALL BE LOCATED AT THE LIMITS OF THE TREE'S CRITICAL ROOT ZONE (A RADIUS OF ONE AND A HALF FEET PER INCH OF THE TREE'S DIAMETER AT BREAST HEIGHT). BARRIER SHALL BE KEPT IN GOOD CONDITION FOR THE DURATION OF THE PROJECT AND IS TO REMAIN IN PLACE UNTIL THE NOTICE OF TERMINATION.

FOR ADDED PROTECTION

–PROVIDE 4" DEEP ORGANIC MULCH OVER ANY UNPROTECTED ROOT ZONE.
–PROVIDE TEMPORARY IRRIGATION WHERE PRACTICAL AND FEASIBLE.

Tr TREE PROTECTION 1
N.T.S.

GSWCC Georgia Soil and Water Conservation Commission

Susan U. Major
Level II Certified Design Professional
Certification Number 0000028288
Issued: 12/15/2015 Expires: 12/15/2018

GEORGIA REGISTERED No. PE16710 PROFESSIONAL ENGINEER SUSAN U. MAJOR

24 HOUR EROSION CONTROL CONTACT:
NAME: STEVE ORTMAN
ADDRESS: 300 CHURCHILL COURT
WOODSTOCK, GA 30188
PHONE #: 404-427-3872

Know what's below. Call before you dig.

CITY OF ATLANTA DEPT. OF watershed management
JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

No.	Description	Date
0	ISSUED FOR PERMITTING	9/25/2017

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY
EROSION AND SEDIMENT CONTROL
REMEDIATION PHASE
ESPC STANDARD DETAILS

PROJECT NO: 7383-E
DESIGNED BY: CW
DRAWN BY: JC
CHECKED BY: BS
DATE: 9-25-2017
SCALE: NOTED

DRAWING NO.
EC-010

SHEET OF

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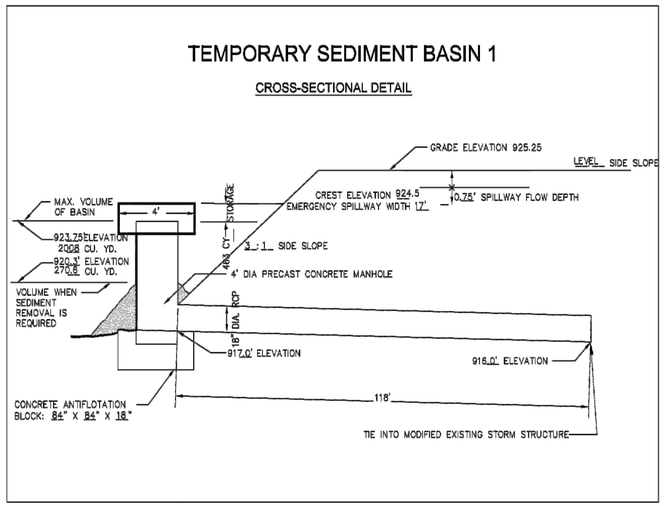
TEMPORARY SEDIMENT BASIN 1

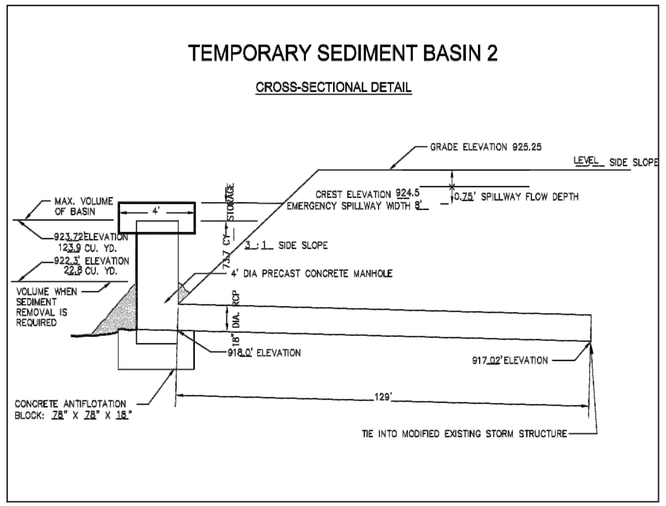
CROSS-SECTIONAL DETAIL



Sd3 TEMPORARY SEDIMENT BASIN 1
N.T.S.

TEMPORARY SEDIMENT BASIN 2

CROSS-SECTIONAL DETAIL



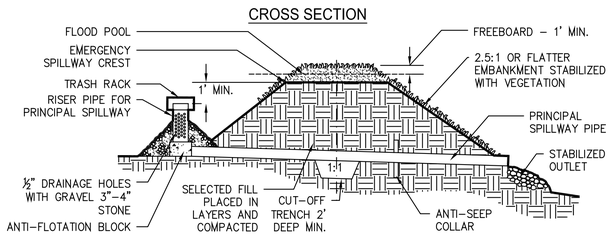
Sd3 TEMPORARY SEDIMENT BASIN 2
N.T.S.

24 HOUR EROSION CONTROL CONTACT:
NAME: STEVE ORTMAN
ADDRESS: 300 CHURCHILL COURT
WOODSTOCK, GA 30188
PHONE #: 404-427-3872

BASIN 1:
L=155 FT
W = 106 FT
FLOW LENGTH = 155 FEET
DEPTH = 5.75 FEET
TIME TO DRAIN - 24 HOURS
SKIMMER TYPE 3: 6 IN. ORIFICE
MANUFACTURER: FAIRCLOTH

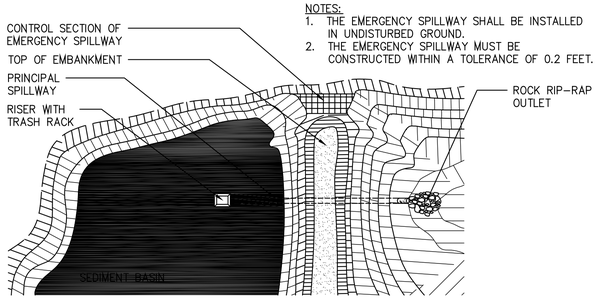
BASIN 2:
L=101 FT
W = 47 FT
FLOW LENGTH = 101 FEET
DEPTH = 4 FEET
TIME TO DRAIN - 24 HOURS
SKIMMER TYPE 1: 4 IN. ORIFICE
MANUFACTURER: FAIRCLOTH

CROSS SECTION



FILL HEIGHT	MINIMUM TOP WIDTH
LESS THAN 10 FEET	8.0 FEET
10 FEET TO 15 FEET	10.0 FEET

PLAN VIEW

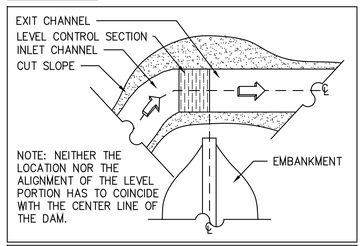


NOTES:
1. THE EMERGENCY SPILLWAY SHALL BE INSTALLED IN UNDISTURBED GROUND.
2. THE EMERGENCY SPILLWAY MUST BE CONSTRUCTED WITHIN A TOLERANCE OF 0.2 FEET.

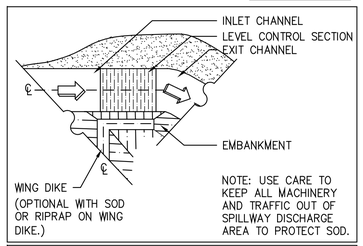
Sd3 BASIC COMPONENTS OF TEMPORARY SEDIMENT BASIN
N.T.S.

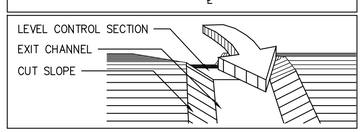
EXCAVATED EARTH SPILLWAY -- PLAN VIEW

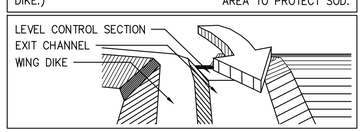
TYPICAL SPILLWAY



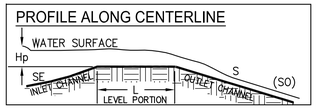
WING DIKE SPILLWAY



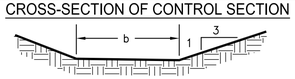




PROFILE ALONG CENTERLINE



CROSS-SECTION OF CONTROL SECTION



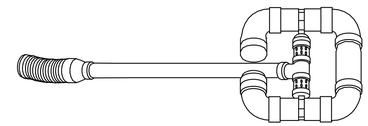
LEGEND:
Hp = DIFFERENCE IN ELEVATION BETWEEN CREST OF EARTH SPILLWAY AT THE CONTROL SECTION AND WATER SURFACE IN THE RESERVOIR (IN FEET).
b = BOTTOM WIDTH OF EARTH SPILLWAY AT THE CONTROL SECTION (IN FEET) SEE TABLE 6–22.4
Q = TOTAL DISCHARGE (IN CFS.)
V = VELOCITY (IN FEET PER SECOND) THAT WILL EXIST IN CHANNEL BELOW CONTROL SECTION, AT DESIGN Q, IF CONSTRUCTED TO SLOPE (S) THAT IS SHOWN (TABLE 6–22.4)
S = FLATTEST SLOPE (IN %) ALLOWABLE FOR CHANNEL BELOW CONTROL SECTION (TABLE 6–22.4)
Se = ENTRY SLOPE
So = EXIT SLOPE

NOTES:
1. FOR Q, V, AND S RELATIONSHIPS, SEE THE CHART ON THE FOLLOWING PAGE.
2. FOR A GIVEN HP, A DECREASE IN THE EXIT SLOPE AS GIVEN IN THE TABLE DECREASES SPILLWAY DISCHARGE, BUT INCREASING THE EXIT SLOPE FROM S DOES NOT INCREASE DISCHARGE. IF AN EXIT SLOPE (So) IS STEEPER THAN S IS USED, THE VELOCITY (Vo) IN THE EXIT CHANNEL WILL INCREASE ACCORDING TO THE FOLLOWING RELATIONSHIP:
$Vo = V\ (So/S)^{0.3}$

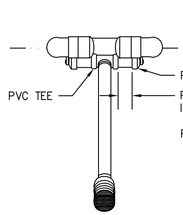
Sd3 EXCAVATED EARTH SPILLWAY
N.T.S.

NOTE:
SKIMMER CONFIGURATION SHOWN IS TYPICAL. THE DESIGNER/ENGINEER MAY SUBMIT AN ALTERNATE SKIMMER DETAIL FOR REVIEW.

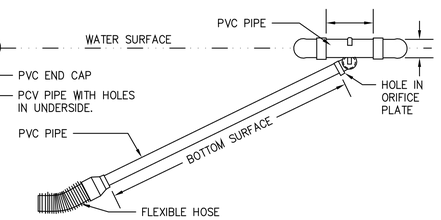
SKIMMER PERSPECTIVE



SKIMMER FRONTAL SECTION VIEW



SKIMMER SIDE SECTION VIEW



Sk TEMPORARY SEDIMENT POND SKIMMER
N.T.S.

GEORGIA REGISTERED No. PE16710 PROFESSIONAL ENGINEER SUSAN U. MAJOR

GSWCC Georgia Soil and Water Conservation Commission

Susan U. Major
Level II Certified Design Professional
Certification Number 0000028288
Issued: 12/15/2015 Expires: 12/15/2018

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5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY
EROSION AND SEDIMENT CONTROL
REMEDIATION PHASE
ESPC STANDARD DETAILS

No.	Description	Date
0	ISSUED FOR PERMITTING	9/25/2017

PROJECT NO: 7383-E
DESIGNED BY: CW
DRAWN BY: JC
CHECKED BY: BS
DATE: 9-25-2017
SCALE: NOTED

DRAWING NO.
EC-011

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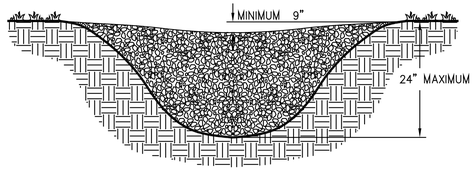
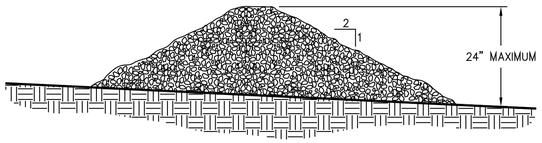
CROSS SECTION



PROFILE VIEW

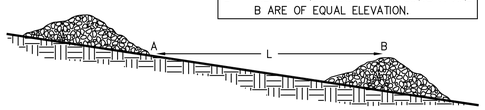


NOTES:
1. CHECK DAMS ARE TO BE USED ONLY IN SMALL OPEN CHANNELS (THEY ARE NOT TO BE USED IN LIVE STREAMS).
2. THE DRAINAGE AREA FOR STONE CHECK DAMS SHALL NOT EXCEED TWO ACRES.
3. THE CENTER OF THE CHECK DAM MUST BE AT LEAST 9 INCHES LOWER THAN THE OUTER EDGES.
4. THE DAM HEIGHT SHOULD BE A MAXIMUM OF 2 FEET FROM CENTER TO RIM EDGE.
5. THE SIDE SLOPES OF THE CHECK DAM SHALL NOT EXCEED A 2:1 SLOPE.
6. GEOTEXTILE SHALL BE USED TO PREVENT THE MITIGATION OF SUBGRADE SOIL PARTICLES INTO THE STONES (REFER TO AASHTO M288-96, SECTION 7.3, TABLE 3).

Cd STONE CHECK DAM 1
N.T.S.

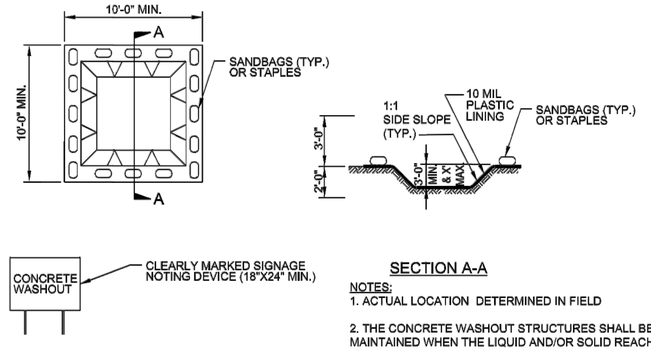
SPACING BETWEEN CHECK DAMS

A = THE TOE OF THE UPSTREAM CHECK DAM.
B = TOP OF THE DOWNSTREAM CHECK DAM.
L = THE DISTANCE SUCH THAT POINTS A AND B ARE OF EQUAL ELEVATION.



Cd STONE CHECK DAM 2
N.T.S.

ONSITE CONCRETE WASHOUT STRUCTURE WITH LINER

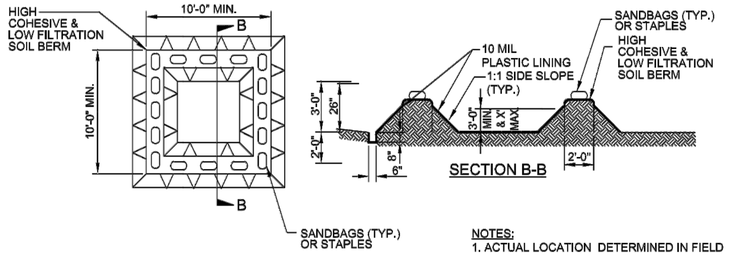


SECTION A-A

NOTES:
1. ACTUAL LOCATION DETERMINED IN FIELD
2. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY.
3.CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARY MARKED WITH SIGNAGE NOTING DEVICE.

PLAN

BELOW GRADE WASHOUT STRUCTURE
NOT TO SCALE



NOTES:
1. ACTUAL LOCATION DETERMINED IN FIELD
2. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM 12 INCHES OF FREEBOARD.
3.CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARY MARKED WITH SIGNAGE NOTING DEVICE.

PLAN

ABOVE GRADE WASHOUT STRUCTURE
NOT TO SCALE

CONCRETE WASHOUT AREA
N.T.S.

PORTABLE WEIR/SEDIMENTATION TANK (TO BE USED IN LIEU OF SEDIMENT BASIN #1 AT CONTRACTOR'S OPTION)

DEFINITION

A COMPARTMENTED CONTAINER THROUGH WHICH SEDIMENT-LADEN WATER IS PUMPED TO TRAP AND RETAIN THE SEDIMENT.

CRITERIA

THE PORTABLE WEIR/SEDIMENTATION TANK WILL BE CONSTRUCTED WITH AT LEAST THREE EQUAL BAFFLED COMPARTMENTS WITH OVER AND UNDER WEIRS . THE INLET AND OUTLET PIPE WILL BE A MINIMUM DIAMETER OF 3 INCHES. THE MINIMUM STORAGE VOLUME OF THE TANK SHALL BE IN CUBIC FEET, CALCULATED BY MULTIPLYING 32 TIMES THE PUMP DISCHARGE IN GALLONS PER MINUTE (GPM).

MINIMUM HYDRAULIC RETENTION TIME ≥ 1.5 HOURS
MAXIMUM OVERFLOW RATE ≤ 1.0 GPM/SF OR ≤ 1440 GPD/SF
MINIMUM LENGTH TO WIDTH RATIO ≥ 4:1
MAXIMUM SEDIMENT ACCUMULATION ≤ 25%

WHEN DISCHARGE RATES EXCEED THE CAPACITY OF A SEDIMENTATION TANK, OR OR MORE TANKS WILL BE ADDED TO ACCOMMODATE THE HIGHER FLOW RATES. ADDITIONAL TANKS MUST BE ADDED IN PARALLEL, AS INDICATED IN FIGURE 1 BELOW.

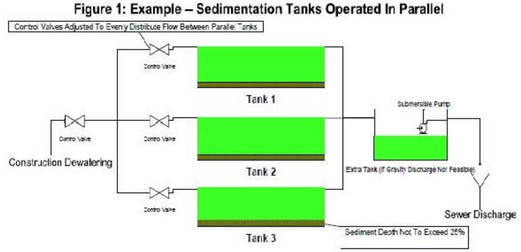
CONSIDERATIONS

THE WEIR/SEDIMENTATION TANK SHOULD BE LOCATED FOR EASE OF CLEAN OUT AND DISPOSAL OF THE TRAPPED SEDIMENT, AND TO MINIMIZE THE INTERFERENCE WITH CONSTRUCTION ACTIVITIES AND PEDESTRIAN TRAFFIC.

SEDIMENT STORAGE:

TRADITIONAL SEDIMENT STORAGE IS NOT BEING PROVIDED DUE TO LIMITED SPACE AND THE INSTALLATION OF THE 96" SANITARY SEWER NEAR THE LOW POINT OF THE SITE. THE DRAINAGE BASIN WHICH IS NOT DIVERTED WILL DISCHARGE IN ITS ENTIRETY INTO THE REMEDIATION EXCAVATIONS, THEREFORE ALL STORMWATER FROM THE DISTURBED AREA WILL BE PUMPED INTO THE SEDIMENTATION TANK(S). DISCHARGE FROM THE SEDIMENTATION TANKS WILL BE MONITORED FOR TURBIDITY AND LEAD, AS DESCRIBED IN THE "TANK RELEASE PROCEDURE" BELOW. CONTRACTOR TO SUPPLY ENOUGH TANKS TO PROVIDE A VOLUME OF 67 CY/ACRE DISTURBED AT THAT TIME.

Figure 1: Example – Sedimentation Tanks Operated In Parallel



TANK RELEASE PROCEDURE

1. PRIOR TO OPENING THE OUTLET VALVE, CONTRACTOR SHALL PERFORM BOTH TURBIDITY TESTS AND CHEMICAL TESTS OF TANK WATER.

2. PROVIDE TEST RESULTS TO THE ENGINEER ***BEFORE RELEASING ANY WATER*** TO THE STORM SEWER. WHEN TEST RESULTS FOR TURBIDITY OR LEAD EXCEED THRESHOLDS, ALLOW AT LEAST 48 HOURS BEFORE RESAMPLING AND RETESTING.

3. DURING DRAWDOWN, OBTAIN SAMPLES EVERY 8-HOURS AND RETEST. CLOSE THE OUTLET VALVE AND AWAIT TEST RESULTS. REPEAT STEP 1. AND SUBSEQUENT STEPS UNTIL TANK IS DRAWN DOWN.

PORTABLE WEIR/SEDIMENTATION TANK
N.T.S.

GEORGIA REGISTERED No. PE16710 PROFESSIONAL ENGINEER SUSAN U. MAJOR

24 HOUR EROSION CONTROL CONTACT:
NAME: STEVE ORTMAN
ADDRESS: 300 CHURCHILL COURT
WOODSTOCK, GA 30188
PHONE #: 404-427-3872

GSWCC Georgia Soil and Water Conservation Commission
Susan U. Major
Level II Certified Design Professional
Certification Number 0000028288
Issued: 12/15/2015 Expires: 12/15/2018

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JP2
5887 Glenridge Drive
Suite 300
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Phone: 404.979.3300
Fax: 404.979.3310

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REMEDIATION PHASE
ESPC STANDARD DETAILS

No.	Description	Date
0	ISSUED FOR PERMITTING	9/25/2017

PROJECT NO: 7383-E
DESIGNED BY: CW
DRAWN BY: JC
CHECKED BY: BS
DATE: 9-25-2017
SCALE: NOTED

DRAWING NO.
EC-012

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24 HOUR EROSION CONTROL CONTACT:
NAME: STEVE ORTMAN
ADDRESS: 300 CHURCHILL COURT
WOODSTOCK, GA 30188
PHONE #: 404-427-3872

MATERIAL	QUANTITY
DRY STRAW OR HAY	2" - 4" DEPTH
WOOD WASTE (SAWDUST, BARK, CHIPS)	2" - 3" DEPTH
CUTBACK ASPHALT (SLOW CURING)	1200 GAL. PER ACRE (1/4 GAL PER SQ. YD.)
POLYETHYLENE FILM	COMPLETELY COVERING EXPOSED AREA. TRENCHED IN AT OUTER EDGES.

STRAW OR HAY MULCH SHALL BE ANCHORED IMMEDIATELY AFTER APPLICATION. MULCH MAY BE ANCHORED BY MECHANICALLY PRESSING INTO SURFACE. IF SPREAD WITH BLOWER EQUIPMENT, MULCH SHALL BE ANCHORED WITH EMULSIFIED ASPHALT (GRADE AE-5 OR SS-1)--100 GAL. ASPHALT + 100 GAL. WATER PER TON OF MULCH. NETTING SHALL BE USED TO ANCHOR WOOD WASTE AND CHIPS. POLYETHYLENE SHALL BE TRENCHED IN AT EDGES.

Ds1 MULCHING

Table 6-4.1 - Temporary Cover or Companion Cover Crops
PLANT, PLANTING RATE, AND PLANTING DATE FOR TEMPORARY COVER OR COMPANION CROPS [1]

Species	Broadcast Rates		Resource Area[3]	Planting Dates by Resource Area (Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.)												Remarks
	Rate Per Acre[2]	Pure Live Seed (PLS) Per 1000 sqft		J	F	M	A	M	J	J	A	S	O	N	D	
BARLEY *Hordeum vulagre*																
alone	3 bu. (144 lbs)	3.3 lbs	M-L													14,000 seed per pound. Winter hardy. Use on productive soils.
In mixture	1/2 bu. (24lbs)	0.6 lb	P													
			C													
LESPEDEZA, ANNUAL *Lespedeza striata*																
alone	40 lbs	0.9 lb	M-L													200,000 seed per pound. May volunteer for several years. Use inoculant EL.
In mixture	10 lbs	0.2 lb	P													
			C													
LOVEGRASS, WEEPING *Eragrostis curvula*																
alone	4 lbs	0.1 lb	M-L													1,500,000 seed per pound. May last for several years. Mix with *Serices lespedeza*.
In mixture	2 lbs	0.05 lb	P													
			C													
MILLET, BROWNTOP *Panicum fasciculatum*																
alone	40 lbs	0.9 lb	M-L													137,000 seed per pound. Quick dense cover. Will provide excessive competion in mixtures if seeded at high rate.
In mixture	10 lbs	0.2 lb	P													
			C													

Ds2 STABILIZATION WITH TEMPORARY SEEDING

Species	Broadcast Rates		Resource Area[3]	Planting Dates by Resource Area (Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.)												Remarks
	Rate Per Acre[2]	Pure Live Seed (PLS) Per 1000 sqft		J	F	M	A	M	J	J	A	S	O	N	D	
MILLET, PEARL *Pennesetum glaucum*																
alone	50 lbs	1.1 lbs	M-L													88,000 seed per pound. Quick dense cover. May reach 5 feet in height. Not recommended for mixtures.
			P													
			C													
OATS *Avena sativa*																
alone	4 bu. (128 lbs)	2.9 lbs	M-L													13,000 seed per pound. Use on productive soils. Not as a winter hardy as rye or barley.
In mixture	1 bu. (32 lbs)	0.7 lb	P													
			C													
RYE *Secale cereale*																
alone	3 bu. (168 lbs)	3.9 lbs	M-L													18,000 seed per pound. Quick cover. Drought tolerant and winter hardy.
In mixture	1/2 bu. (28 lbs)	0.6 lb	P													
			C													
RYEGRASS, ANNUAL *Lolium temulentum*																
alone	40 lbs	0.9 lb	M-L													227,000 seed per pound. Dense cover. Very competitive and is not to be used in mixtures.
			P													
			C													
SUDANGRASS *Sorghum sudanese*																
alone	60 lbs	1.4 lbs	M-L													55,000 seed per pound. Good on droughty sites. Not recommended for mixtures.
			P													
			C													

Ds2 STABILIZATION WITH TEMPORARY SEEDING

Species	Broadcast Rates		Resource Area[3]	Planting Dates by Resource Area (Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.)												Remarks
	Rate Per Acre[2]	Pure Live Seed (PLS) Per 1000 sqft		J	F	M	A	M	J	J	A	S	O	N	D	
TRITICALE *X-Triticosecale*																
alone	3 bu. (144 lbs)	3.3 lbs	C													Use on lower part of Southern Coastal Plain and in Atlantic Coastal Flatwoods only.
in mixture	1/2 bu. (24 lbs)	0.6 lb														
WHEAT *Triticum aestivum*																
alone	3 bu. (180 lbs)	4.1 lbs	M-L													15,000 seed per pound. Winter hardy.
in mixture	1/2 bu. (30 lbs)	0.7 lb	P													
			C													

[1] Temporary cover crops are very competitive and will crowd out perennials if seeded too heavily

[2] Reduce seeding rates by 50% when drilled.

[3] M-L represents the Mountain; Blue Ridge; and Ridges and Valleys MLRAs
P represents the Southern Piedmont MLRA
C represents Southern Coastal Plain; Sand Hills; Black Lands; and Atlantic Coast Flatwoods MLRAs
(see Figure 6-4.1, p. 6-40)

Ds2 STABILIZATION WITH TEMPORARY SEEDING

GSWCC Georgia Soil and Water Conservation Commission

Susan U. Major
Level II Certified Design Professional
Certification Number 0000028888
Issued: 12/15/2015 Expires: 12/15/2018

GEORGIA REGISTERED No. PE16710 PROFESSIONAL ENGINEER SUSAN U. MAJOR

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JP2
5587 Glenridge Drive
Suite 300
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Fax: 404.979.3310

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RODNEY COOK, SR. PARK IN HISTORIC VINE CITY
EROSION AND SEDIMENT CONTROL
REMEDIATION PHASE
ESPC Std. Details - Vegetative

No.	Description	Date
0	ISSUED FOR PERMITTING	9/25/2017

PROJECT NO: 7383-E
DESIGNED BY: CW
DRAWN BY: JC
CHECKED BY: BS
DATE: 9-25-2017
SCALE: NOTED

DRAWING NO.
EC-013

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Table 6-5.1. Fertilizer Requirements

TYPE OF SPECIES	YEAR	ANALYSIS OR EQUIVALENT N-P-K	RATE	N TOP DRESSING RATE
1. Cool season grasses	First	6-12-12	1500 lbs./ac.	50-100 lbs./ac. 1/2/
	Second	6-12-12	1000 lbs./ac.	—
	Maintenance	10-10-10	400 lbs./ac.	30
2. Cool season grasses and legumes	First	6-12-12	1500 lbs./ac.	0-50 lbs./ac. 1/
	Second	0-10-10	1000 lbs./ac.	—
	Maintenance	0-10-10	400 lbs./ac.	—
3. Ground covers	First	10-10-10	1300 lbs./ac. 3/	—
	Second	10-10-10	1300 lbs./ac. 3/	—
	Maintenance	10-10-10	1100 lbs./ac.	—
4. Pine seedlings	First	20-10-5	one 21-gram pellet per seedling placed in the closing hole	—
5. Shrub Lespedeza	First	0-10-10	700 lbs./ac.	—
	Maintenance	0-10-10	700 lbs./ac. 4/	
6. Temporary cover crops seeded alone	First	10-10-10	500 lbs./ac.	30 lbs./ac. 5/
7. Warm season grasses	First	6-12-12	1500 lbs./ac.	50-100 lbs./ac. 2/6/
	Second	6-12-12	800 lbs./ac.	50-100 lbs./ac. 2/
	Maintenance	10-10-10	400 lbs./ac.	30 lbs./ac.
8. Warm season grasses and legumes	First	6-12-12	1500 lbs./ac.	50 lbs./ac./6/
	Second	0-10-10	1000 lbs./ac.	
	Maintenance	0-10-10	400 lbs./ac.	

1/ Apply in spring following seeding.
2/ Apply in split applications when high rates are used.
3/ Apply in 3 split applications.
4/ Apply when plants are pruned.
5/ Apply to grass species only.
6/ Apply when plants grow to a height of 2 to 4 inches.

Ds3 FERTILIZER RATES FOR PERMANENT VEGETATION

24 HOUR EROSION CONTROL CONTACT:
NAME: STEVE ORTMAN
ADDRESS: 300 CHURCHILL COURT
WOODSTOCK, GA 30188
PHONE #: 404-427-3872

Table 6-5.2- Permanent Cover Crops
PLANT, PLANTING RATE, AND PLANTING DATE FOR PERMANENT COVER [1]

Species	Broadcast Rates		Resource Area[3]	Planting Dates by Resource Area (Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.) J F M A M J J A S O N D	Remarks
	Rate Per Acre[2]	Pure Live Seed (PLS) Per 1000 sqft			
BAHIA, PENSACOLA *Paspalum notatum*					
alone or with temporary cover	60 lbs	1.4 lbs	P		166,000 seed per pound. Low growing. Sod forming. Slow to establish. Plant with a companion crop. Will spread nto bermuda pastures and awns. Mix with Sericea lespedeza or weeping lovegrass.
with other perennials	30 lbs	0.7 lb	C		
BAHIA, WILMINGTON *Paspalum notatum*					
alone or with temporary cover	60 lbs	1.4 lb	M-L		
with other perennials	30 lbs	0.7 lb	P		Same as above.
BERMUDA, COMMON *Cynodon dactylon*					
Hulled seed			P		
alone	10 lbs	0.2 lb	C		1,787,000 seed per pound. Quick cover. Low growing and sod forming. Full sun. Good for athletic fileds.
with other perennials	6 lbs	0.7 lb			
BERMUDA, COMMON *Cynodon dactylon*					
Unhulled seed			P		
with temporary cover	10 lbs	0.2 lb			Plant with winter annuals.
with other perennials	6 lbs	0.1 lb	C		Plant with Tall Fescue

Ds3 STABILIZATION WITH PERMANENT VEGETATION

Table 6-5.2- Permanent Cover Crops
PLANT, PLANTING RATE, AND PLANTING DATE FOR PERMANENT COVER [1]

Species	Broadcast Rates		Resource Area[3]	Planting Dates by Resource Area (Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.) J F M A M J J A S O N D	Remarks
	Rate Per Acre[2]	Pure Live Seed (PLS) Per 1000 sqft			
BERMUDA SPRIGS *Cynodon dactylon*					
Coastal, Common, Midland, or Tift 44	40 cu ft or sod plugs 3' x3'	0.9 cu ft	M-L		A cubic foot contains approximately 650 sprigs. A bushel contains 1.25 cubic feet or approximately 800 springs.
			P		
Coastal, Common, of Tift 44			C		Same as above.
Tift 78			C		Southern Coastal Plain only
CENTIPEDE *Eremochloa ophuiroides*					
	Block sod only		P		
			C		Drought tolerant. Full sun or partial shade. Effective adjacent to concrete and in concentrated flow areas. Irrigation is needed until fully established. Do not plant near pastures. Winterhardy as far as north Athens and Atlanta
CROWNVETECH *Coronilla varia*					
with winter annuals or cool season grasses	15 lbs	0.3 lb	M-L P		100,000 seed per pound. Dense growth. Drought tolerant and fire resistant. Attractive rose, pink and white blossoms spring to late fall. Mix with 30 pounds of Tall fescue or 15 pounds of rye. Inoculate see with M inoculant. Use from North Atlanta and Northward.

Ds3 STABILIZATION WITH PERMANENT VEGETATION

Table 6-5.2- Permanent Cover Crops
PLANT, PLANTING RATE, AND PLANTING DATE FOR PERMANENT COVER [1]

Species	Broadcast Rates		Resource Area[3]	Planting Dates by Resource Area (Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.) J F M A M J J A S O N D	Remarks
	Rate Per Acre[2]	Pure Live Seed (PLS) Per 1000 sqft			
FESCUE, TALL *Festuca arundinacea*					
alone	50 lbs	1.1 lb	M-L		227,000 seed per pound. Use alone only on better sites. Mix with perennial lespedeza or Crownvetch. Apply topdressing in spring following fall plantings. Not for heavy use areas or athletic fields.
with other perennials	30 lbs	0.7 lb	P		
KUDZU *Pueraria thumbergiana*					
Plants or crowns	3' - 7' apart		ALL		Rapid and vigorous growth. Excellent in gully erosion control. Will climb. Good livestock forage.
LESPEDEZA SERICEA *Lespedeza cuneata*					
scarified	60 lbs	1.4 lb	M-L P C		350,000 seed per pound. Widely adapted. Low maintenace. Mix with Weeping lovegrass, Common bermuda, bahia, or tall fescue. Takes 2 to 3 years to become fully established. Excellent on roadbanks. Inoculate seed with EL inoculant.
unscarified	75 lbs	1.7 lb	M-L P C		Mix with Tall fesue or winter annuals.
seed- bearing hay	3 tons	1338 lbs	M-L P C		Cut when seed mixture is mature, but before, it shatters. Add Tall fescue or winter annuals.

Ds3 STABILIZATION WITH PERMANENT VEGETATION

Table 6-5.2- Permanent Cover Crops
PLANT, PLANTING RATE, AND PLANTING DATE FOR PERMANENT COVER [1]

Species	Broadcast Rates		Resource Area[3]	Planting Dates by Resource Area (Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.) J F M A M J J A S O N D	Remarks
	Rate Per Acre[2]	Pure Live Seed (PLS) Per 1000 sqft			
FESCUE, TALL *Festuca arundinacea*					
alone	50 lbs	1.1 lb	M-L		227,000 seed per pound. Use alone only on better sites. Mix with perennial lespedeza or Crownvetch. Apply topdressing in spring following fall plantings. Not for heavy use areas or athletic fields.
with other perennials	30 lbs	0.7 lb	P		
KUDZU *Pueraria thumbergiana*					
Plants or crowns	3' - 7' apart		ALL		Rapid and vigorous growth. Excellent in gully erosion control. Will climb. Good livestock forage.
LESPEDEZA SERICEA *Lespedeza cuneata*					
scarified	60 lbs	1.4 lb	M-L P C		350,000 seed per pound. Widely adapted. Low maintenace. Mix with Weeping lovegrass, Common bermuda, bahia, or tall fescue. Takes 2 to 3 years to become fully established. Excellent on roadbanks. Inoculate seed with EL inoculant.
unscarified	75 lbs	1.7 lb	M-L P C		Mix with Tall fesue or winter annuals.
seed- bearing hay	3 tons	1338 lbs	M-L P C		Cut when seed mixture is mature, but before, it shatters. Add Tall fescue or winter annuals.

Ds3 STABILIZATION WITH PERMANENT VEGETATION

GSWCC Georgia Soil and Water Conservation Commission
Susan U. Major
Level II Certified Design Professional
Certification Number 0000028288
Issued: 12/15/2015 Expires: 12/15/2018

GEORGIA REGISTERED No. PE16710 PROFESSIONAL ENGINEER Susan U. Major

811 Know what's below. Call before you dig.

GEORGIA REGISTERED No. PE16710 PROFESSIONAL ENGINEER Susan U. Major

CITY OF ATLANTA DEPARTMENT OF watershed management
JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY
EROSION AND SEDIMENT CONTROL
REMEDIATION PHASE
ESPC STD DETAILS - VEGETATIVE

No.	Description	Date
0	ISSUED FOR PERMITTING	9/25/2017

PROJECT NO: 7383--E
DESIGNED BY: CW
DRAWN BY: JC
CHECKED BY: BS
DATE: 9-25-2017
SCALE: NOTED

DRAWING NO.
EC-014
SHEET OF

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PROJECT LIMIT NOTES

1. AREA OF PROJECT LIMITS = 13.4 ACRES

Know what's below. Call before you dig. 811

0 20' 40' 60' 120'
SCALE IN FEET

N

GEORGIA REGISTERED PROFESSIONAL ENGINEER JASON U. MAJOR

No.	Description	Date
0	ISSUED FOR PERMITTING	9/25/2017

SHEET OF

DRAWING NO. C-101

PROJECT NO:	
DESIGNED BY:	VFA
DRAWN BY:	JS
CHECKED BY:	SUM
DATE:	9-25-2017
SCALE:	

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT

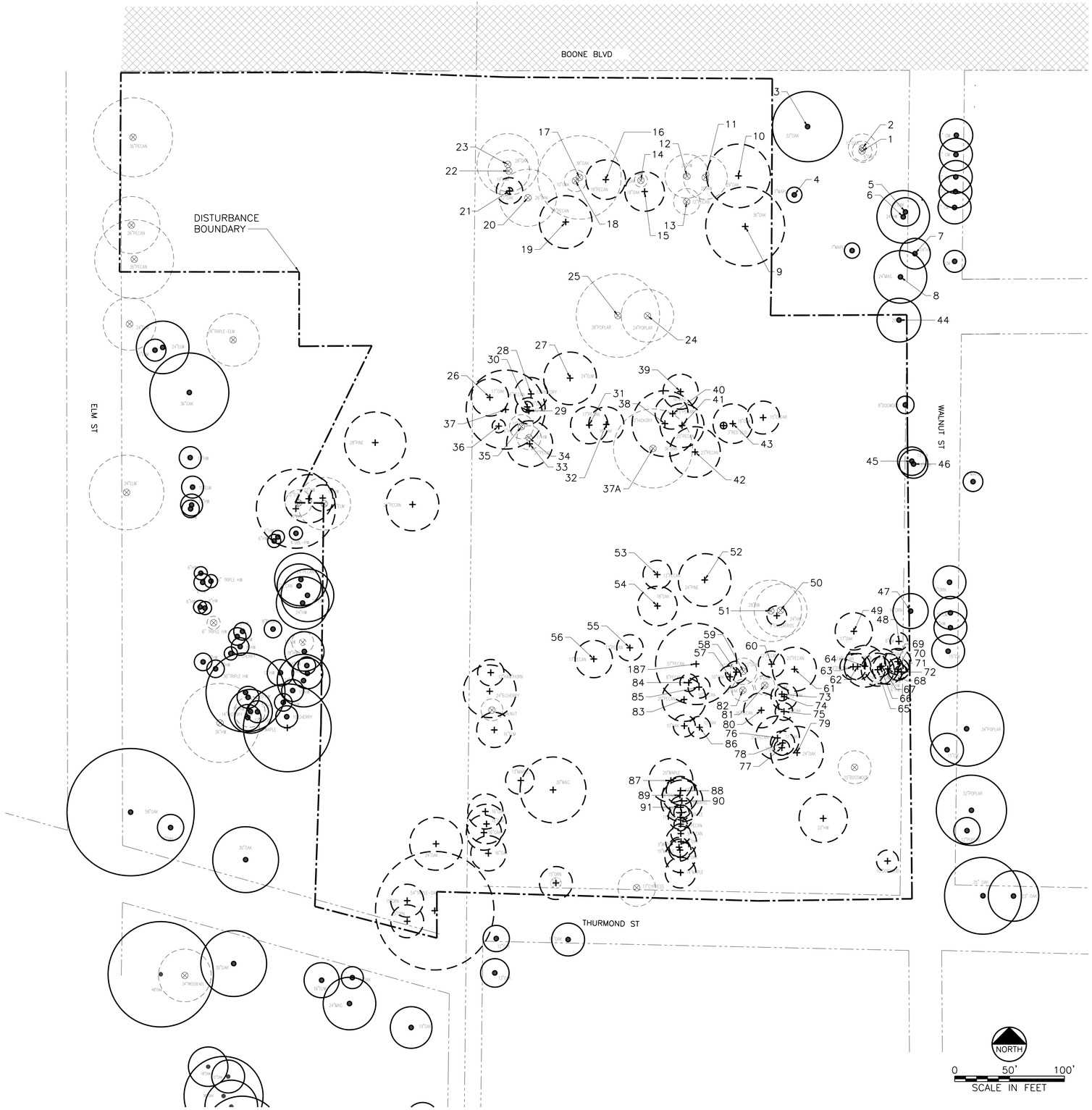
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT

RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

EXISTING CONDITIONS PLAN AND PROJECT LIMITS

CITY OF ATLANTA DEPARTMENT OF watershed management

JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310



SCHEDULE OF TREE REMOVALS			SCHEDULE OF TREE REMOVALS		
TREE NUM.	CALIPER/TYPE	TOTAL	TREE NUM	CALIPER/TYPE	TOTAL
X	9" OAK	CDM	46	13" OAK	RMN
X	13" OAK	CDM	47	16"ORNAMENTAL	RMN
3	32" OAK	RMN	48	8" CREPE MYRTLE	436"
4	7" MAPLE	RMN	49	17" OAK	453"
5	13" OAK	RMN	X	24" HARDWOOD	CDM
6	24" HARDWOOD	RMN	X	28" HARDWOOD	CDM
7	14" HARDWOOD	RMN	52	24" PINE	477"
8	24" MAGNOLIA	RMN	53	13" PECAN	490"
9	36" OAK	36"	54	18" OAK	508"
10	29" OAK	65"	55	12" PECAN	520"
X	20" HARDWOOD	CDM	56	17" PECAN	537"
X	20" HARDWOOD	CDM	57	10" OAK	547"
X	12" PECAN	CDM	58	10" OAK	557"
X	6" OAK	CDM	X	12" OAK	CDM
15	18" OAK	83"	60	12" PECAN	569"
16	18" PECAN	101"	61	20" PECAN	589"
X	38" OAK	CDM	62	12" PECAN	601"
X	10" OAK	CDM	63	12" PECAN	613"
19	24" PECAN	125"	64	19" HARDWOOD	632"
X	26" OAK	CDM	65	15" OAK	647"
21	12" OAK	137"	66	9" OAK	656"
X	19" OAK	CDM	67	14" OAK	670"
X	28" OAK	CDM	68	16" HARDWOOD	686"
X	24" POPLAR	CDM	69	12" OAK	698"
X	38" POPLAR	CDM	70	10" HARDWOOD	708"
26	17" OAK	154"	71	8" HARDWOOD	716"
27	24" ELM	178"	72	6" HARDWOOD	722"
28	15" HICKORY	193"	73	6" OAK	728"
29	12" HARDWOOD	205"	74	12" OAK	740"
30	5" OAK	210"	75	8" OAK	748"
31	17" PECAN	227"	76	20" PECAN	768"
32	16" OAK	243"	77	7" OAK	775"
33	21" PECAN	264"	78	11" OAK	786"
X	11" HARDWOOD	CDM	79	24" OAK	810"
X	11" HARDWOOD	CDM	80	16" PECAN	826"
36	6" HARDWOOD	270"	X	9" OAK	CDM
37	36" PECAN	306"	X	10" OAK	CDM
X	36"OAK	CDM	83	20" PECAN	846"
38	30" HICKORY	336"	84	8" PECAN	854"
39	16" MAGNOLIA	352"	85	10" PECAN	864"
40	15" PECAN	367"	86	10" OAK	874"
41	20" PECAN	387"	87	20" MAPLE	894"
42	23" PECAN	410"	88	13" OAK	907"
43	18" OAK	428"	89	16" OAK	923"
44	20" HARDWOOD	RMN	90	19" MAPLE	942"
45	13" HARDWOOD	RMN	91	10" OAK	952"

RECOMPENCE STATEMENTS

TREES TO BE REPLACED AT INCH FOR EACH CALIPER REMOVED.

TREES TO BE REPLACED AT INCH FOR EACH CALIPER REMOVED.

AT LEAST 604- 3" DIAMETER TREES SHALL BE PLANTED WHERE APPROVED BY THE PARKS ABORIST. SHOULD 2.5" (MIN) TREES BE REPLANTED, INCRESE THE NUMBER OF REPLACEMENT TREES ACCORDINGLY.

CMAR SHALL ENGAGE A LANDSCAPE ARCHITECT TO PREPARE TREE REPLACEMENT PLANS, AND SUBMIT SAME TO THE PARKS ARBORIST FOR APPROVAL.

CMAR SHALL ALLOW AT LEAST 14 CALENDAR DAYS BEFORE THE ARBORIST TO POST THE SITE. PRIOR TO THE PUBLIC POSTING, ALL TREES TO BE REMOVED SHALL BE PAINTED WITH ORANGE Xs.

CMAR SHALL NOT COMMENCE TREE REMOVALS UNTIL THE PARK'S ARBORIST APPROVES THE REMOVALS AFTER THE PUBLIC POSTING PERIOD.

TABLE LEGEND:

CDM -DENOTES TREE CONDEMED BY CITY IN FIELD.

\# -DENOTES TREE TO BE REMOVED

RMN -DENOTES TREE TO REMAIN

PLAN LEGEND:

EX. TREE TO REMAIN

EX. TREE TO REMOVE

CONDEMED EX. TREE

\## EX. TREE NUMBER

GEORGIA REGISTERED No. PE027177 PROFESSIONAL ENGINEER TRICIA H. HATLEY
9/25/17

CITY OF ATLANTA DEPARTMENT OF watershed management
jp2
5887 Glenridge Drive Suite 300 Atlanta, GA. 30328
Phone: 404.979.3300 Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

TREE REMOVAL PLAN 1 OF 3

No.	Description	Date
0	ISSUED FOR PERMITTING	9/25/2017

PROJECT NO: 7353-E
DESIGNED BY: THH
DRAWN BY: MM
CHECKED BY: CS
DATE: 9-25-2017
SCALE: 1" = 50'

DRAWING NO.
C-102A

SHEET OF

ACAD Rel: 21.0s (LMS Tech)
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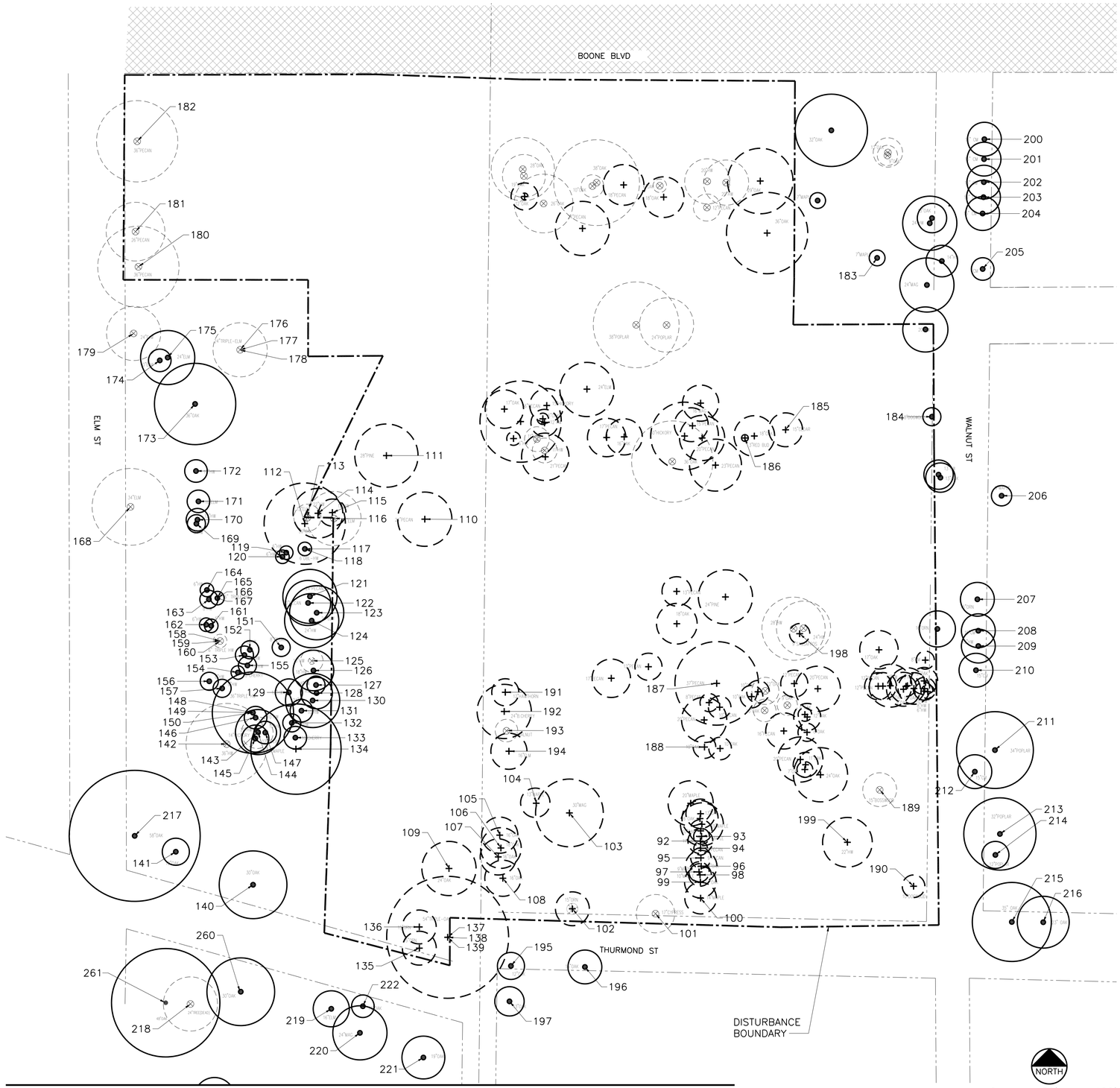

SCHEDULE OF TREE REMOVALS			SCHEDULE OF TREE REMOVALS			SCHEDULE OF TREE REMOVALS		
TREE NUM	CALIPER/TYPE	TOTAL	TREE NUM	CALIPER/TYPE	TOTAL	TREE NUM	CALIPER/TYPE	TOTAL
92	11" OAK	963"	138	54" OAK	1454"	184	8" DOGWOOD	RMN
93	7" MAPLE	970"	139	54" OAK	1508"	185	15" CEDAR	1523"
94	6" PECAN	976"	140	30" OAK	RMN	186	3" RED BUD	
95	9" PECAN	985"	141	12" OAK	RMN	187	37" PECAN	1560"
96	14" OAK	999"	~~142~~	36" HARDWOOD	CDM	188	10" OAK	1570"
97	9" MAPLE	1008"	~~143~~	14" HICKORY	CDM	~~189~~	15" BOSSWOOD	CDM
98	10" MAPLE	1018"	144	20" HARDWOOD	RMN	190	10"DOGWOOD	1580"
99	14" OAK	1032"	145	12" PECAN	RMN	191	12" HAWTHORN	1592"
100	14" MAPLE	1046"	146	10" HARDWOOD	RMN	192	24" B.CHERRY	1616"
~~101~~	17" CYPRESS	CDM	147	10" HARDWOOD	RMN	~~193~~	10" WALNUT	CDM
102	15" ORNAMENTAL	1061"	148	36" HARDWOOD	RMN	194	16" ELM	1632"
103	30" MAGNOLIA	1091"	149	36" HARDWOOD	RMN	195	12" OAK	RMN
104	13" MAPLE	1104"	150	36" HARDWOOD	RMN	196	15" OAK	RMN
105	16" OAK	1120"	151	8" PECAN	RMN	197	13" OAK	RMN
106	18" OAK	1138"	152	8" HARDWOOD	RMN	198	9" SASSAFRAS	1641"
107	16" OAK	1154"	153	8" HARDWOOD	RMN	199	22"HARDWOOD	1663"
108	16" OAK	1170"	154	6" CHERRY	RMN	200	15" CREPE MYRTLE	RMN
109	24" OAK	1194"	155	8" HARDWOOD	RMN	201	15" CREPE MYRTLE	RMN
110	24" PECAN	1218"	156	8" HARDWOOD	RMN	202	15" CREPE MYRTLE	RMN
111	28" PINE	1246"	157	8" HARDWOOD	RMN	203	15" CREPE MYRTLE	RMN
112	36" OAK	1282"	~~158~~	6" HARDWOOD	CDM	204	15" CREPE MYRTLE	RMN
~~113~~	12" ELM	CDM	~~159~~	6" HARDWOOD	CDM	205	CREPE MYRTLE	RMN
114	22" HARDWOOD	1304"	~~160~~	6" HARDWOOD	CDM	206	9" MAPLE	RMN
115	12" HARDWOOD	1316"	161	6" HARDWOOD	RMN	207	15" ORNAMENTAL	RMN
~~116~~	24" ELM	CDM	162	6" HARDWOOD	RMN	208	15" CREPE MYRTLE	RMN
117	6" HARDWOOD	RMN	163	8" HARDWOOD	RMN	209	15" HARDWOOD	RMN
118	6" HARDWOOD	RMN	164	6" HARDWOOD	RMN	210	15" CREPE MYRTLE	RMN
119	6" HARDWOOD	RMN	165	6" HARDWOOD	RMN	211	34' POPLAR	RMN
120	6" HARDWOOD	RMN	166	6" HARDWOOD	RMN	212	15" CREPE MYRTLE	RMN
121	24" PECAN	RMN	167	6" HARDWOOD	RMN	213	32" POPLAR	RMN
122	20" PECAN	RMN	~~168~~	34" ELM	CDM	214	12" POPLAR	RMN
123	24" ELM	RMN	169	8" HARDWOOD	RMN	215	35" OAK	RMN
124	24" HARDWOOD	RMN	170	12" HARDWOOD	RMN	216	23" OAK	RMN
~~125~~	10" HARDWOOD	CDM	171	10" ELM	RMN	217	58" OAK	RMN
126	18" HARDWOOD	RMN	172	10" HARDWOOD	RMN	~~218~~	24" TREE	CDM
127	8" HARDWOOD	RMN	173	36" OAK	RMN	219	16" ELM	RMN
128	14" HARDWOOD	RMN	174	10" ELM	RMN	220	24" MAGNOLIA	RMN
129	12" HARDWOOD	RMN	175	24" ELM	RMN	221	19" OAK	RMN
130	24" HARDWOOD	RMN	~~176~~	24" ELM	CDM	222	10" OAK	RMN
131	10" HARDWOOD	RMN	~~177~~	24" ELM	CDM	260	30" OAK	RMN
132	8" HARDWOOD	RMN	~~178~~	24" ELM	CDM	261	48" OAK	RMN
133	10" CHERRY	RMN	~~179~~	24" ELM	CDM			
134	40" MAPLE	RMN	~~180~~	36" PECAN	CDM			
135	15" ORNAMENTAL	1331"	~~181~~	26" PECAN	CDM			
136	15" ORNAMENTAL	1346"	~~182~~	36" PECAN	CDM			
137	54" OAK	1400"	183	7" MAPLE	RMN			

GEORGIA REGISTERED No. PE027177 PROFESSIONAL ENGINEER TRICIA H. HATLEY
9/25/17

CITY OF ATLANTA DEPARTMENT OF watershed management
JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

TREE REMOVAL
PLAN 2 OF 3

No.	Description	Date
0	ISSUED FOR PERMITTING	9/25/2017

PROJECT NO: 7383-E
DESIGNED BY: THH
DRAWN BY: MM
CHECKED BY: CS
DATE: 9-25-2017
SCALE: 1"=50'

DRAWING NO.
C-102B

SHEET OF

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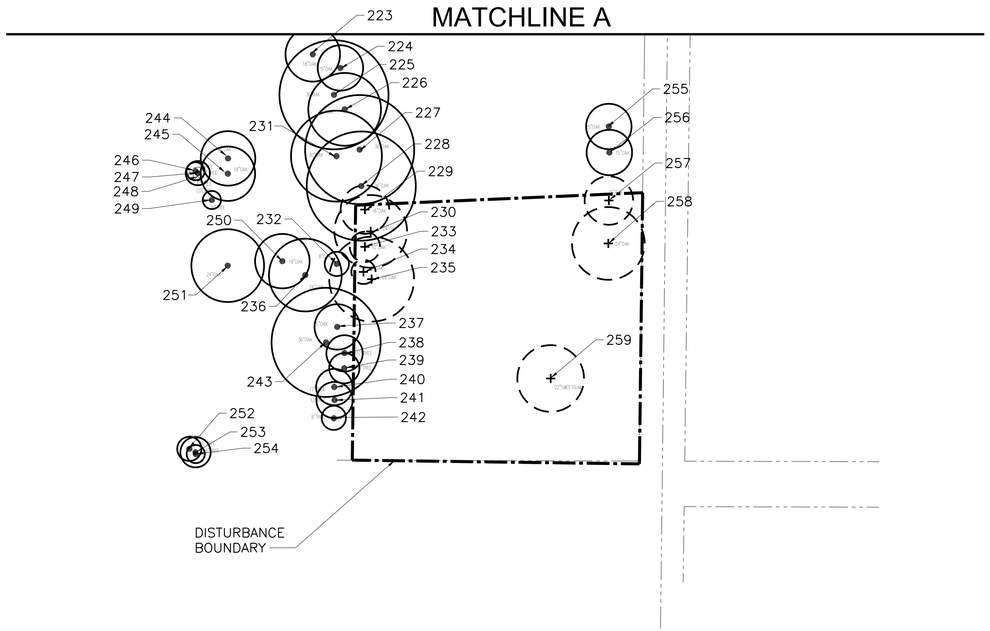
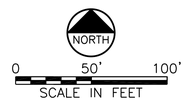


SCHEDULE OF TREE REMOVALS		
TREE NUM	CALIPER/TYPE	TOTAL
223	18" OAK	RMN
224	15" OAK	RMN
225	36" OAK	RMN
226	24" OAK	RMN
227	36" OAK	RMN
228	36" OAK	RMN
229	16" OAK	1679"
230	24" OAK	1703"
231	30" OAK	RMN
232	8" OAK	RMN
233	10" OAK	1713"
234	8" OAK	1721"
235	28" OAK	1749"
236	24" OAK	RMN
237	15" OAK	RMN
238	12" TREE	RMN
239	10" TREE	RMN
240	12" TREE	RMN
241	12" TREE	RMN
242	8" TREE	RMN
243	36" OAK	RMN
244	18" OAK	RMN
245	18" OAK	RMN
246	6" TREE	RMN
247	8" TREE	RMN
~~248~~	6" TREE	CDM
249	6" TREE	RMN
250	18" OAK	RMN
251	24" OAK	RMN
252	8" TREE	RMN
253	10" TREE	RMN
254	6" TREE	RMN
255	15" OAK	RMN
256	15" OAK	RMN
257	16" OAK	1765"
258	24" OAK	1789"
259	22" SWEETGUM	1811"
	TOTAL INCHES:	1811"



GEORGIA REGISTERED No. PE027177 PROFESSIONAL ENGINEER TRICIA H. HATLEY
9/25/17

JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

TREE REMOVAL
PLAN 3 OF 3

No.	Description	Date
0	ISSUED FOR PERMITTING	9/25/2017

PROJECT NO: 7383-E
DESIGNED BY: THH
DRAWN BY: MM
CHECKED BY: CS
DATE: 9-25-2017
SCALE: 1"=50'

DRAWING NO.
C-102C

SHEET OF

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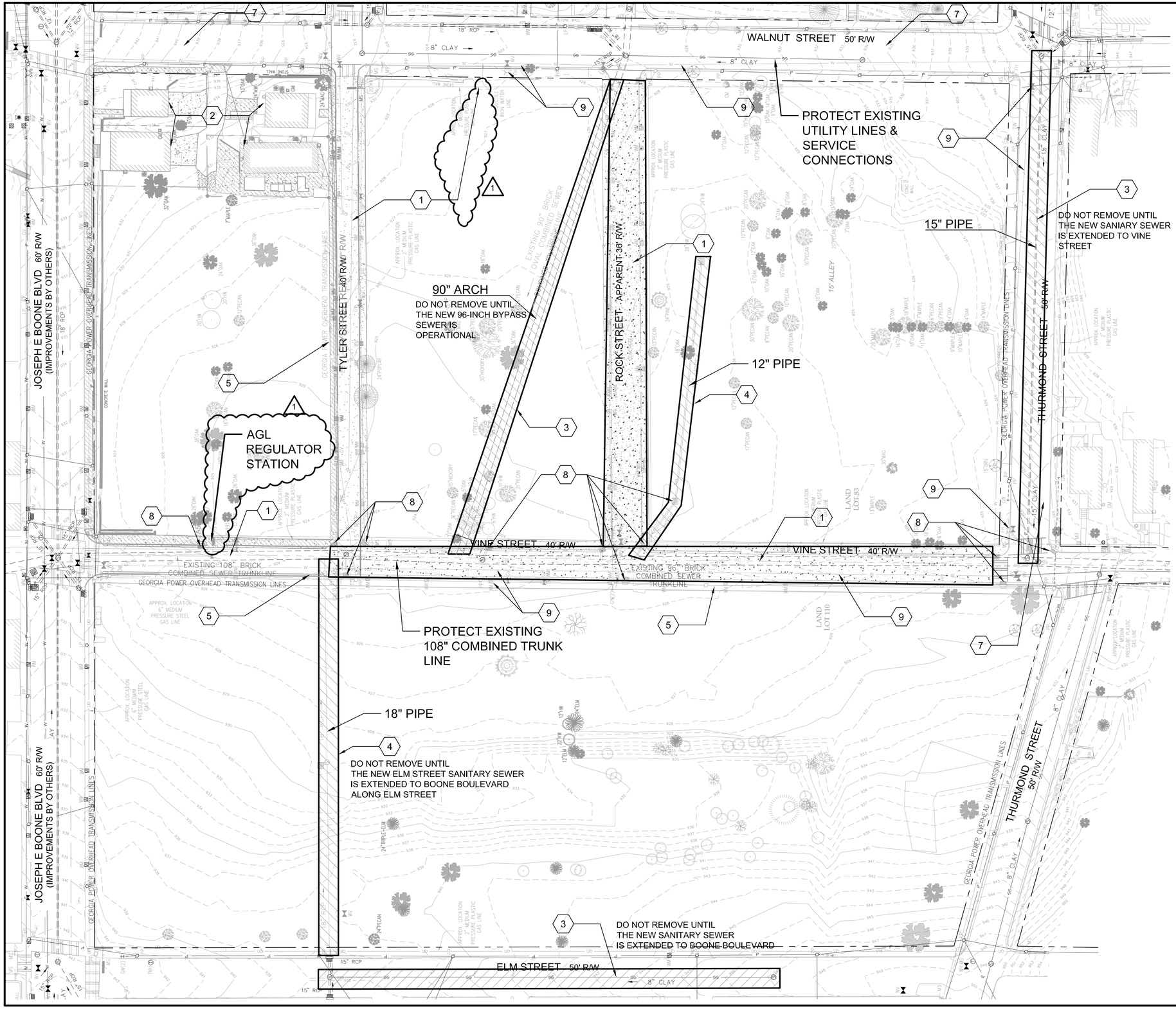


NOTES BY SYMBOL " " (X)

1. REMOVE ASPHALT, GRAVEL BASE, CURBS, GUTTERS, SIDEWALKS AND APPURTENANCES. CAP OFF ALL SERVICE CONNECTIONS FOR WATER & NATURAL GAS. RELOCATE NATURAL GAS REGULATOR STATION.
2. EXISTING STRUCTURES TO BE REMOVED, INCLUDING FOUNDATIONS AND UTILITIES AFTER LAND ACQUISITION.
3. COMBINED SEWER TO BE REMOVED AFTER 96-INCH REROUTE IN SERVICE.
4. REMOVE EXISTING STORM DRAIN COLLECTION SYSTEMS WITHIN PARK SITE.
5. COORDINATION WITH GEORGIA POWER COMPANY WILL BE NECESSARY TO FACILITATE THE RELOCATION OF OVERHEAD TRANSMISSION LINES CROSSING THROUGH THE SITE. ALL ABANDONED APPURTENANCES SHALL BE REMOVED BY CONTRACTOR.
6. SEE TREE REMOVAL PLANS, C102 A-C FOR TREE DEMOLITION.
7. EXISTING STREET TO BE RECONSTRUCTED.
8. REMOVE INLETS AND STORM LINES IN REMEDIATION AREAS.
9. REMOVE WATER MAINS AND APPURTENANCES AFTER NEW MAINS AND SERVICE CONNECTIONS HAVE BEEN TESTED, DISINFECTED WITH ALL SERVICES BEING CHANGED OVER. VERIFY MAINS TO BE ABANDONED ARE NOT UNDER PRESSURE AND PERMANENTLY CAPPED OFF.
10. DURING REMEDIATION PROTECT FACILITIES OUTSIDE OF REMEDIATION PERIMETERS SHOWN ON THE EROSION CONTROL PLANS.

DEFERRED DEMOLITION NOTES

1. THE SANITARY SEWER ON THURMOND STREE5T SHALL NOT BE TAKEN OUT OF SERVICE UNTIL SUCH TIME AS THE EXISTING SANITARY SEWER AT THURMOND AND WALNUT STREETS TO VINE STREET IS INSTALLED, TESTED, WITH ALL SERVICE CONNECTIONS CHANGED OVER TO THE NEW LINE.

2. THE SANITARY SEWER ON ELM STREET SHALL NOT BE TAKEN OUT OF SERVICE UNTIL SUCH TIME AS THE EXISTING SANITARY SEWER ON ELM STREET IS EXTENDED TO THE SANITARY SEWER IN BOONE BOULEVARD IS INSTALLED, TESTED, WITH ALL SERVICE CONNECTIONS CHANGED OVER TO THE NEW LINE. SEWER LINES EAST OF ELM STREET SHALL ALSO REMAIN IN SERVICE UNTIL THE ELM STREET SANITARY SEWER IS COMPLETED.

3. THE EXISTING 90-INCH BRICK SEWER TOWARD TYLER AND VIVE STREETS SHALLNOT BE TAKEN OUT OF SERVICE UNTIL SUCH TIME AS THE ENTIRE RE-ROUTE OF THE NEW 96-INCH SEWER IS INSTALLED & TESTED. THE SHALLOW COVER PRECLUDES SITE GRADING TO THE FINISHED GRADES AS SHOWN.

NOTE: FOR TREE PROTECTION AND REMOVAL PLANS SEE SHEETS C-102A, C-102B, AND C-102C.

LEGEND:

PAVEMENT REMOVAL

R.O.W

PIPE DEMOLITION

N

0 20' 40' 80'
SCALE IN FEET

Know what's below. Call before you dig.

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. PE16110 JOSEPH E. BOONE, JR. GENERAL

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

SITE DEMOLITION PLAN

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	9/25/2017
1	ISSUED FOR CONSTRUCTION	10/6/2017

PROJECT NO:
DESIGNED BY: VFA
DRAWN BY: JS
CHECKED BY: SUM
DATE: 9-25-2017
SCALE:

DRAWING NO.
C-103A

SHEET OF

JP2
5887 Glenridge Drive
Suite 380
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

ACAD Rel: 19.1s (LMS Tech)
Filename: O:\73_WS\T-2\C-103A SITE DEMOLITION PLAN.dwg
Last Saved: 10/22/2017 12:56 PM Saved By: SMajor
Plot Date: 10/22/2017 12:57 PM Plot By: SMajor Filename: O:\73_WS\T-2\C-103A SITE DEMOLITION PLAN.dwg

REMEDIATION DEMOLITION

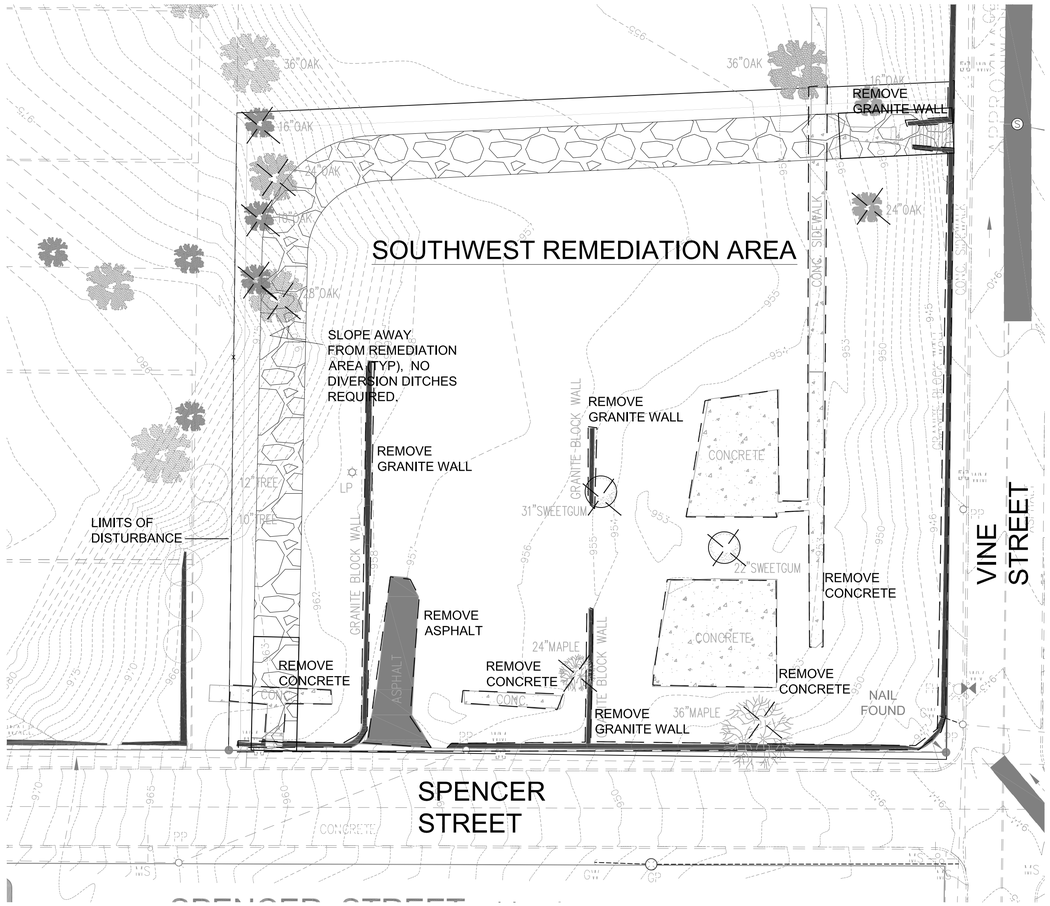
1. DEMOLITION WORK IN CONTACT WITH CONTAMINATED SOILS SHALL BE MADE CLEAN AND TESTED PRIOR TO BEING HAULED.

2. TREE ROOTS & STUMPS IN CONTACT WITH CONTAMINATED SOILS SHALL BE MADE CLEAN AND TESTED PRIOR TO BEING HAULED.

3. AFTER DEMOLITION ACTIVITIES, MOISTEN EXPOSED SOILS AND SUBGRADES TO PREVENT DUST DURING DRY WEATHER.

4. PROVIDE PERIMETER ACCESS CONTROLS, BMPS, AND OTHER PREPARATORY WORK **BEFORE** ANY DEMOLITION ACTIVITIES.

5. FOR TREE PROTECTION AND REMOVAL PLANS, SEE SHEETS C-102A, C-102B, AND C-102C.



CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

SITE DEMOLITION PLAN
SOUTHWEST REMEDIATION AREA

CITY OF ATLANTA DEPARTMENT OF watershed management
jp2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

No.	Description	Date
0	ISSUED FOR PERMITTING	9/25/2017

PROJECT NO: 7383-E
DESIGNED BY: GWM
DRAWN BY: JC
CHECKED BY: BS
DATE: 9-25-2017
SCALE: AS SHOWN

GEORGIA REGISTERED No. PE16710 PROFESSIONAL ENGINEER SUSAN U. MAJOR

811 Know what's below. Call before you dig.

DRAWING NO.
C-103B

SHEET OF

ACAD Rel: 19.1s (LMS Tech)
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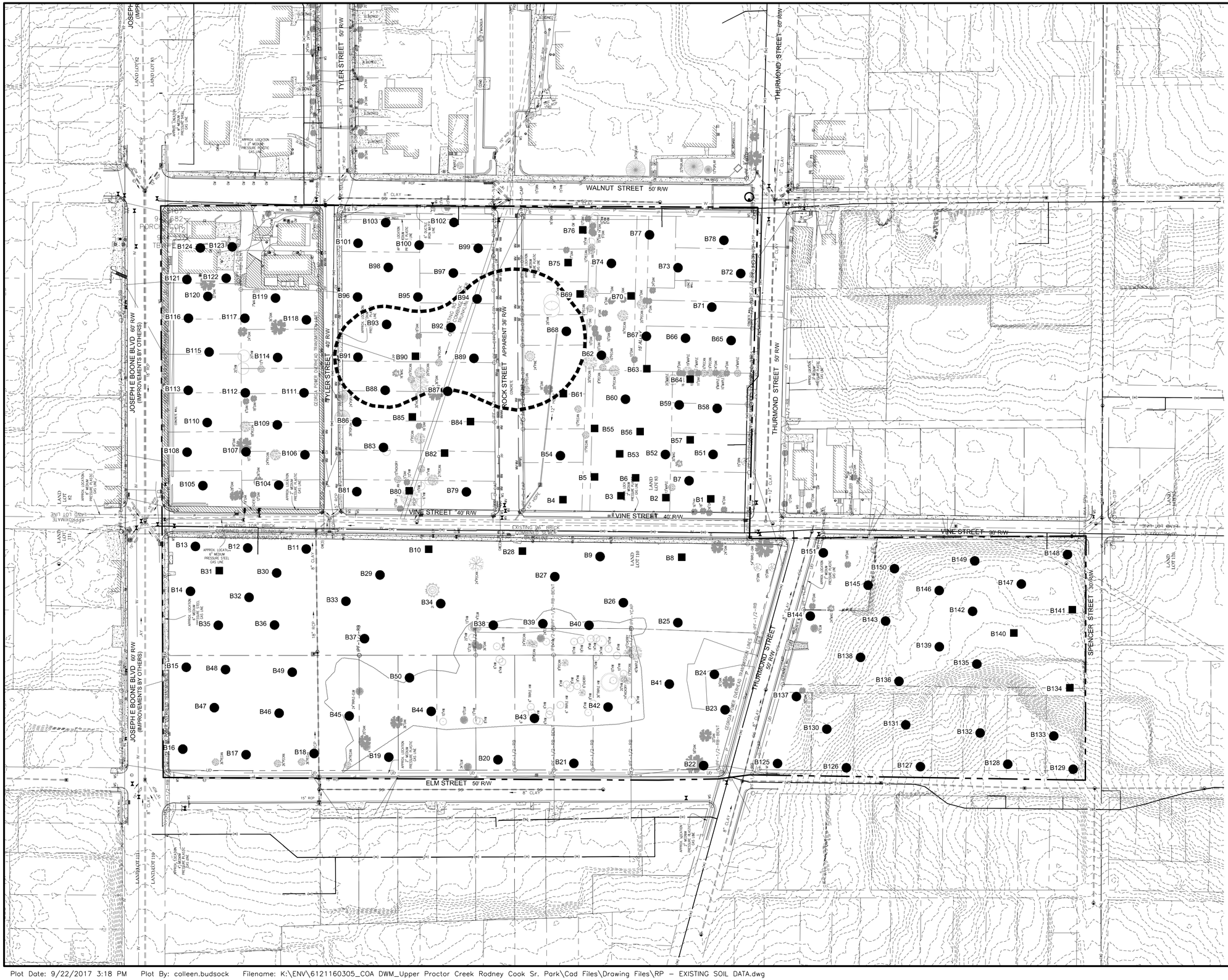
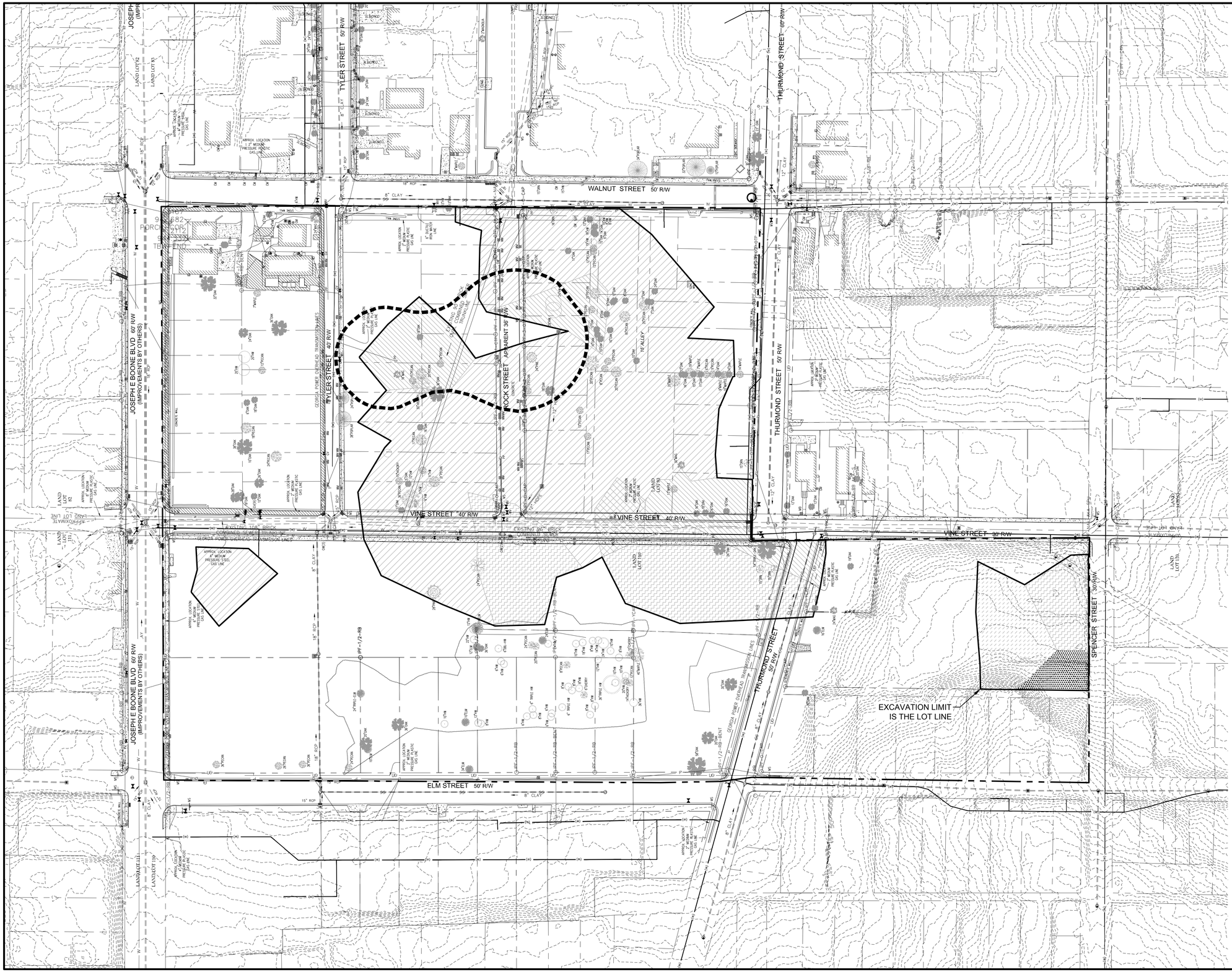

WALNUT STREET 50' R/W
VINE STREET 40' R/W
ELM STREET 50' R/W
TYLER STREET 50' R/W
TYLER STREET 40' R/W
ROCK STREET APPARENT 36' R/W
THURMOND STREET 60' R/W
THURMOND STREET 50' R/W
SPENCER STREET 30' R/W
JOSEPH E BOONE BLVD 60' R/W
(IMPROVEMENTS BY OTHERS)
EXISTING 10FT BRICK COMBINED SEWER
EXISTING 36" BRICK COMBINED SEWER
GEORGIA POWER OVERHEAD TRANSMISSION LINES
APPROX. LOCATION 2" MEDIUM PRESSURE PLASTIC GAS LINE
APPROX. LOCATION 6" MEDIUM PRESSURE STEEL GAS LINE
APPROX. LOCATION 4" MEDIUM PRESSURE PLASTIC GAS LINE
APPROX. LOCATION 12" MEDIUM PRESSURE PLASTIC GAS LINE
APPROX. LOCATION 8" MEDIUM PRESSURE PLASTIC GAS LINE
APPROX. LOCATION 8" MEDIUM PRESSURE STEEL GAS LINE
APPROX. LOCATION 4" MEDIUM PRESSURE STEEL GAS LINE
APPROX. LOCATION 6" MEDIUM PRESSURE PLASTIC GAS LINE
APPROX. LOCATION 2" MEDIUM PRESSURE PLASTIC GAS LINE
APPROX. LOCATION 4" MEDIUM PRESSURE PLASTIC GAS LINE
APPROX. LOCATION 6" MEDIUM PRESSURE PLASTIC GAS LINE
APPROX. LOCATION 4" MEDIUM PRESSURE PLASTIC GAS LINE
APPROX. LOCATION 2



GEORGIA REGISTERED No. 35558 PROFESSIONAL ENGINEER JAMES L. STUDER

LEGEND:

ESTIMATED EXCAVATION DEPTH

- 8 (FEET BELOW GRADE)
- 6 (FEET BELOW GRADE)
- 4 (FEET BELOW GRADE)
- 3 (FEET BELOW GRADE)
- 2 (FEET BELOW GRADE)
- 1 (FEET BELOW GRADE)

- APPROXIMATE PROJECT BOUNDARY
- ESTIMATED HORIZONTAL EXTENT OF EXCAVATION
- APPROXIMATE LIMITS OF LINER / POND
- EXISTING GRADE

NOTES:

1. REFER TO TREE REMOVAL, DEMOLITION AND UTILITY DRAWINGS FOR WORK TO TAKE PLACE PRIOR TO SOIL REMEDIATION.
2. PROTECT ALL UTILITIES NOT INDICATED FOR REMOVAL / ABANDONMENT.
3. EXCAVATE TO THE DEPTH SHOWN OR THE WATER TABLE, WHICHEVER IS ENCOUNTERED FIRST.
4. EXCAVATED SOIL SHALL BE STOCKPILED ON AN IMPERMEABLE SURFACE WITH PROPER EROSION CONTROLS.
5. FOLLOWING EXCAVATION, COLLECT CONFIRMATION SAMPLES AS REQUIRED ON DRAWING R-104.
6. STORMWATER MUST BE MANAGED TO PREVENT ENTRY INTO EXCAVATED AREAS AND MAINTAIN POSITIVE DRAINAGE THROUGHOUT THE WORK.
7. SOIL EXCAVATED AS PART OF THE SITE REMEDIATION SHALL BE TESTED, STABILIZED, TRANSPORTED AND PROPERLY DISPOSED OFF-SITE RATHER THAN REUSED AS FILL.
8. GROUNDWATER ENCOUNTERED DURING EXCAVATION ACTIVITIES MUST BE COLLECTED, ANALYZED AND TREATED, IF NECESSARY PRIOR TO DISCHARGE / DISPOSAL.

N

0 20' 40' 60' 120'
SCALE IN FEET

811 Know what's below. Call before you dig.

CITY OF ATLANTA DEPARTMENT OF watershed management
JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

REMEDIATION PLAN - ESTIMATED EXCAVATION LIMITS

No.	Description	Date
0	ISSUED FOR PERMITTING	9/25/2017

PROJECT NO:
DESIGNED BY: ML
DRAWN BY: CB
CHECKED BY: DH
DATE: 9-25-2017
SCALE:

DRAWING NO.
R-102

SHEET OF

ACAD Rel: 20.0s (LMS Tech)
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JOSEPH E BOONE BLVD 60' R/W
(IMPROVEMENTS BY OTHERS)
TYLER STREET 40' R/W
TYLER STREET 50' R/W
THURMOND STREET 60' R/W
THURMOND STREET 50' R/W
WALNUT STREET 50' R/W
ELM STREET 50' R/W
VINE STREET 60' R/W
CAPE-EZE STREET 0' R/W
GEORGIA POWER OVERHEAD TRANSMISSION LINES
EXISTING TAR BRICK
EXISTING CONCRETE
EXISTING CONCRETE CURB & GUTTER
EXISTING CONCRETE SIDEWALK
EXISTING CONCRETE DRIVEWAY
EXISTING CONCRETE CROSSWALK
EXISTING CONCRETE HANDICAP RAMP
EXISTING CONCRETE CURB
EXISTING CONCRETE SIDEWALK & CURB
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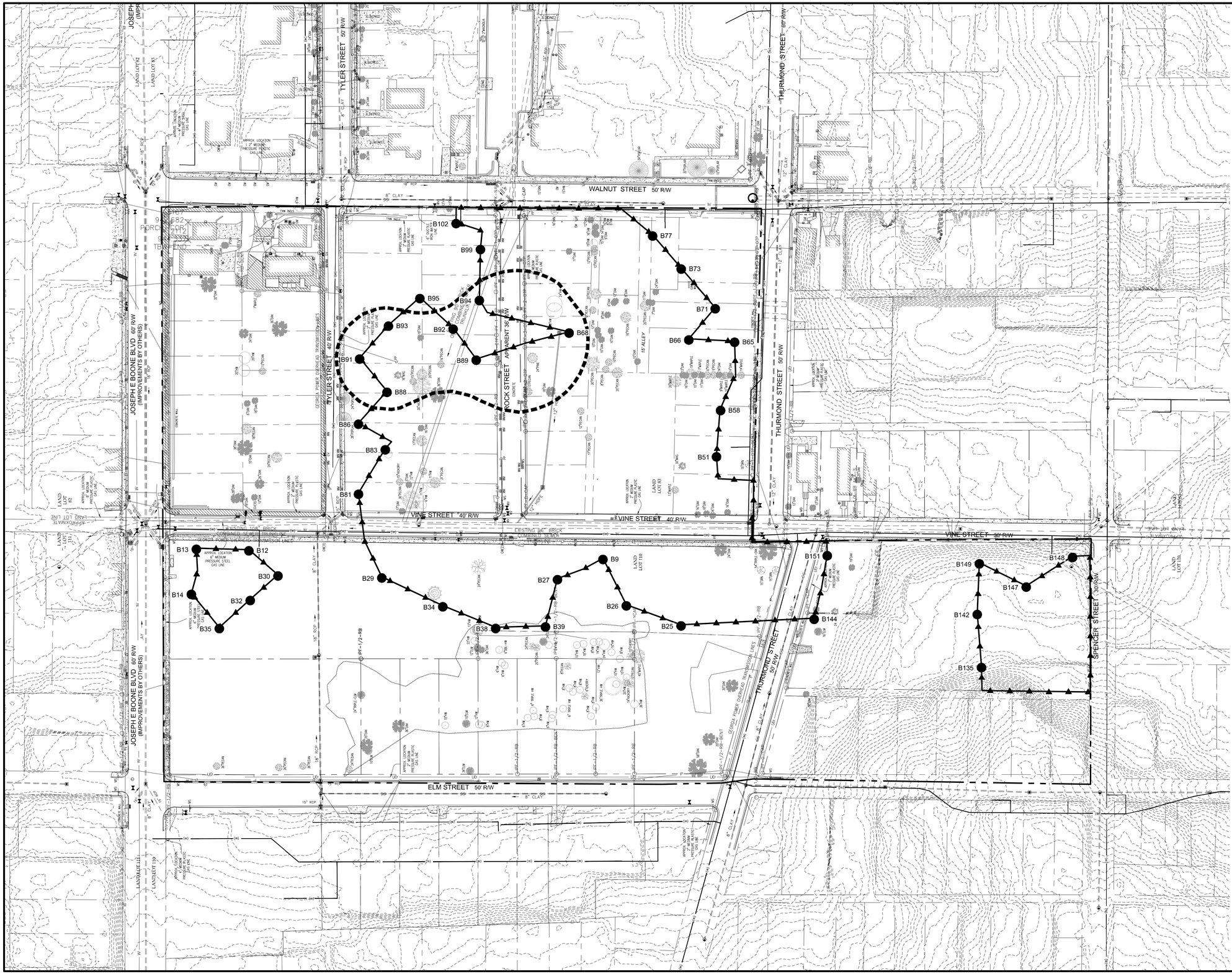

NOTES:

1. COLLECT AND ANALYZE A CONFIRMATION BOTTOM SAMPLE FOR EVERY 1,000 SQUARE FEET OF EXCAVATION ABOVE THE WATER TABLE, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.
2. WHEN PASSING CONFIRMATION SAMPLE RESULTS HAVE BEEN ACCEPTED BY THE ENGINEER, GRADING CAN PROCEED AS SHOWN IN THE SITE GRADING / REDEVELOPMENT PLANS.
3. AREAS OUTSIDE THE GRADING LIMITS MUST BE BACKFILLED WITH APPROVED IMPORTED MATERIAL.
4. ALL IMPORTED FILL MATERIAL MUST PREQUALIFIED.

GEORGIA REGISTERED No. 33558 PROFESSIONAL ENGINEER JAMES L. STUDER 9-25-2017

Know what's below. Call before you dig.

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
watershed management
JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

REMEDIATION PLAN - EXCAVATION CONFIRMATION SAMPLING PLAN

No.	Description	Date
0	ISSUED FOR PERMITTING	9/25/2017

PROJECT NO:
DESIGNED BY: ML
DRAWN BY: CB
CHECKED BY: DH
DATE: 9-25-2017
SCALE:

DRAWING NO.
R-104

SHEET OF

ACAD Rel: 20.0s (LMS Tech)
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EROSION SEDIMENTATION & POLLUTION CONTROL PLANS

ENGINEER CERTIFICATION STATEMENTS:

"I CERTIFY UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY MYSELF OR MY AUTHORIZED AGENT, UNDER MY SUPERVISION."

"I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES REQUIRED BY THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENT "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" (MANUAL) PUBLISHED BY THE STATE SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBING ACTIVITY WAS PERMITTED, PROVIDES FOR THE SAMPLING OF THE RECEIVING WATER(S) OR THE SAMPLING OF THE STORM WATER OUTFALLS AND THAT THE DESIGNED SYSTEM OF BEST MANAGEMENT PRACTICES AND SAMPLING METHODS IS EXPECTED TO MEET THE REQUIREMENTS CONTAINED IN THE GENERAL NPDES PERMIT NO. GAR 100001."

GSWCC LEVEL II DESIGN PROFESSIONAL DATE
CERTIFICATION #: 0000028288

"I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT CERTIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE,AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS." SIGNED BY PRIMARY PERMITTEE:

NAME COMPANY ADDRESS DATE

DESIGN PROFESSIONAL 7-DAY VISIT CERTIFICATION

DATE OF INSPECTION:

I CERTIFY THE SITE WAS IN COMPLIANCE WITH THE ES&PC PLAN ON THE DATE OF INSPECTION.

GWSCC LEVEL 2 DESIGN PROFESSIONAL CERTIFICATION #

LAND DISTURBANCE CONSTRUCTION ACTIVITY SEQUENCE

THE FOLLOWING SEQUENCES ARE TO BE IMPLEMENTED IN THE ORDER SHOWN UNLESS INCLEMENT WEATHER, SITE CONDITIONS, REVISIONS, PRE-CONSTRUCTION CONFERENCE, ETC, DICTATES A DEVIATION FROM THIS SCHEDULE. IF A DEVIATION IS UNDERTAKEN OR ANTICIPATED. THE ENGINEER SHALL BE NOTIFIED AND THE CHANGE OF SEQUENCE SHALL BE RECORDED IN THE DAILY LOG.

GENERAL CONSTRUCTION SCHEDULE
APPROX START DATE: DECEMBER 1, 2017, APPROX. COMPLETION DATE: NOVEMBER 30, 2018

BEGIN CONSTRUCTION DECEMBER, 2017	2017	2018										
	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER
INSTALL Co AND PERIMETER BMPs, MAINTAIN SEDIMENTATION BASINS	X	X										
CLEARING AND GRUBBING, REMOVE TREES		X										
EXECUTE SITE DEMOLITION		X										
INTERMEDIATE GRADING						X						
GRADING FOR POND							X					
OPERATE & MAINTAIN BMPS	X	X	X	X	X	X	X	X	X	X	X	X
INSTALL CONCRETE STRUCTURES, STORM SEWER, AND COMBINED SEWER						X	X	X	X			
BACKFILL							X	X	X	X		
INSTALL PUBLIC UTILITIES, AERATORS, BIORETENTION AREAS, AND STORM WATER PLANTERS								X	X	X		
STREET IMPROVEMENTS									X	X	X	
PAVING AND SIDEWALKS										X	X	
EXECUTE FINAL STABILIZATION & REMOVE TEMPORARY CONSTRUCTION BMPs												X

* SEDIMENT AND EROSION CONTROL MEASURES TO BE INSPECTED DAILY, WEEKLY, AND MONTHLY IN ACCORDANCE WITH GAR100001. MAINTAIN BMP'S THROUGHOUT LAND DISTURBANCE ACTIVITY.

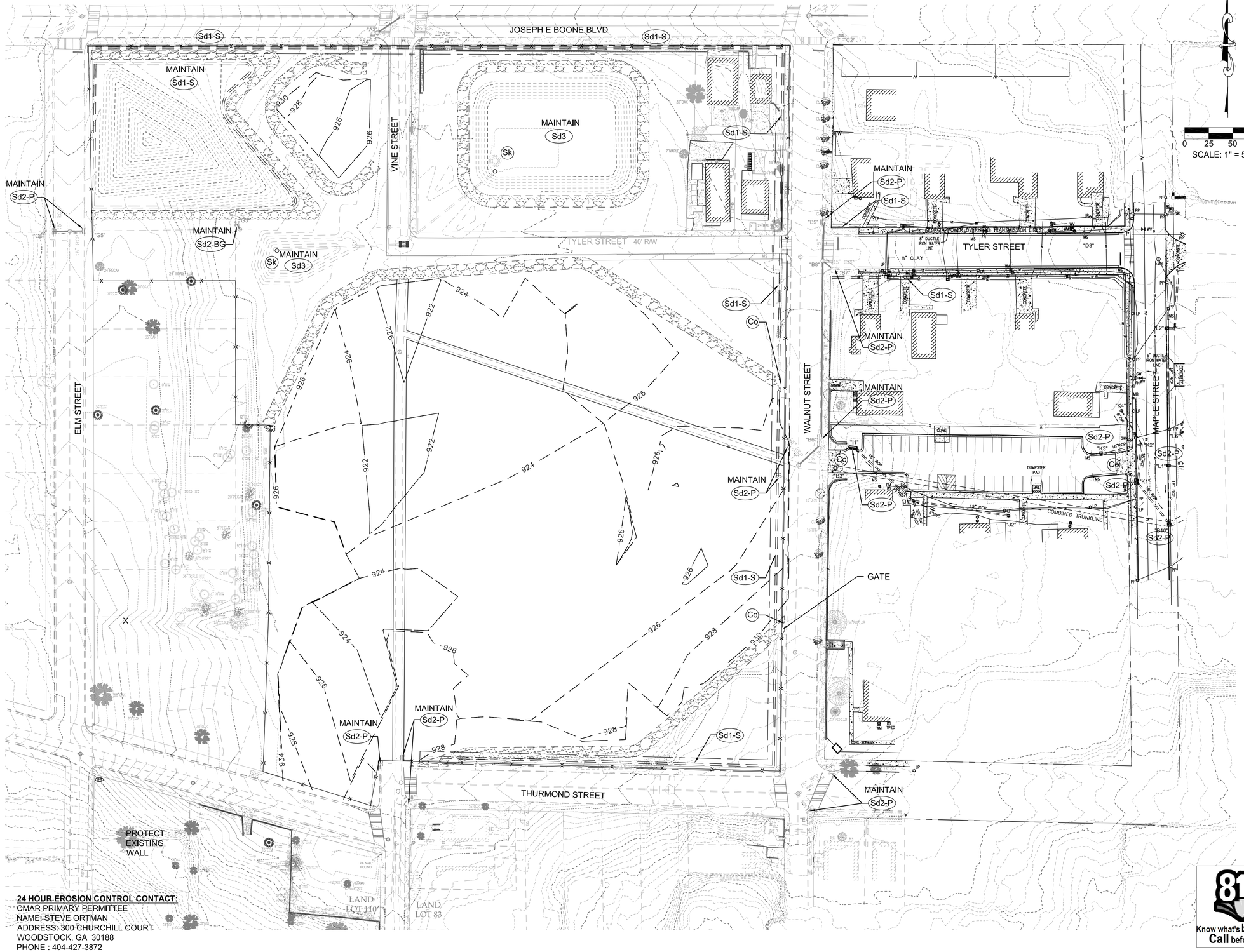
DATE: 10/02/2017

UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK AT HISTORIC VINE CITY
310 VINE STREET
ATLANTA, GA 30314

SITE
BANKHEAD
MARIETTA STREET ARTERY
ENGLISH AVENUE
WASHINGTON PARK
Georgia Aquarium
World of Coca-Cola
Center for Civil and Human Rights
Hyatt Regency Atlanta
Georgia Dome
Philips Arena
Magnolia Park Apartments
The Fox Theater
Joseph E. Boone Blvd NW
Howell Mill Rd
Northside Dr NW
Spring St NW
Techwood Dr NW
Ivan Allen Jr Blvd NW
Marietta St NW
Centennial Olympic Park
Pryor St SW
Mitchell St SW
Alabama St SW
Peachtree Center
Broad St NW
Luckie St NW
Walton St NW
Forsyth St NW
Carnegie Way NW
Baker St NW
Harris St NW
Andrew Young International Blvd NW
Auburn Ave NE
Edgewood Ave NE
Jackson St NE
Irwin St NE
Piedmont Ave NE
Courtland St NE
Boulevard NE
Ponce de Leon Ave NE
North Ave NE
Linden Ave NE
Monroe Dr NE
Virginia Ave NE
Myrtle St NE
Juniper St NE
Peachtree St NE
Cypress St NE
Cone St NE
Williams St NW
Ellis St NE
Harris St NE
Baker St NE
Carnegie Way NE
Pine St NW
Pine St NE
Linden Ave NW
Medlock St NW
Howell Mill Rd NW
Peachtree Battle Ave NW
Moreland Ave NE
Boulevard SE
Memorial Dr SE
Glenwood Ave SE
Wylie St SE
Hilliard St SE
Irwin St SE
Jackson St SE
Edgewood Ave SE
Auburn Ave SE
Peachtree St SE
Ralph David Abernathy Blvd SW
Mitchell St SW
Alabama St SW
Pryor St SW
Spring St S

LEGEND

- Co — CONSTRUCTION ENTRANCE
- Sd1-S — SILT FENCE
- Sd1-S / Ds1 / Sd1-S — SILT FENCE / DUST CONTROL / SILT FENCE
- Du — DUST CONTROL
- Ds1 — DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)
- Ds2 — DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)
- Ds3 — DISTURBED AREA STABILIZATION (WITH PERMANENT SEEDING)
- Cd — CHECK DAM
- Sd2-BG — BLOCK & GRAVEL INLET PROTECTION
- Sd2-P — CURB FILTER INLET
- Sd3 — TEMPORARY SEDIMENT BASIN
- Di — DIVERSION
- Sk — FLOATING SURFACE SKIMMER
- Tr — TREE PROTECTION
- St — STORM DRAIN OUTLET PROTECTION



NOTES:

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES.

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

ANY DISTURBED AREA REMAINING IDLE FOR 30 DAYS SHALL BE STABILIZED WITH PERMANENT VEGETATION.

GSWCC — Georgia Soil and Water Conservation Commission

Susan U. Major
Level II Certified Design Professional
Certification Number 0000028288
Issued: 12/15/2015 Expires: 12/15/2018

24 HOUR EROSION CONTROL CONTACT:
CMAR PRIMARY PERMITTEE
NAME: STEVE ORTMAN
ADDRESS: 300 CHURCHILL COURT.
WOODSTOCK, GA 30188
PHONE : 404-427-3872

811 Know what's **below.** **Call** before you dig.

GEORGIA — Registered Professional Engineer — No. PE19210 — Susan U. Major

CITY OF ATLANTA DEPARTMENT OF watershed management

JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY
EROSION AND SEDIMENT CONTROL
STORMWATER POND
PHASE 1

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	10/2/2017

PROJECT NO: 7383-E
DESIGNED BY: SM
DRAWN BY: JC
CHECKED BY: DM
DATE: 10-2-2017
SCALE: AS SHOWN

DRAWING NO.
ECF-001

SHEET OF

ACAD Rel: 19.1s (LMS Tech)
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Last Saved: 10/1/2017 3:52 PM Saved By: SMajor

Plot Date: 10/1/2017 3:54 PM Plot By: SMajor Filename: O:\73_WS\T-2\ECF-001 SW Pond EC Phase 1.dwg

LEGEND

- Co — CONSTRUCTION ENTRANCE
- Sd1-S — SILT FENCE
- Sd1-S / Ds1 / Sd1-S — = = = =
- Du — DUST CONTROL
- Ds1 — DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)
- Ds2 — DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)
- Ds3 — DISTURBED AREA STABILIZATION (WITH PERMANENT SEEDING)
- Cd — CHECK DAM
- Sd2-BG — BLOCK & GRAVEL INLET PROTECTION
- Sd2-P — CURB FILTER INLET
- Sd3 — TEMPORARY SEDIMENT BASIN
- Di — DIVERSION
- Sk — FLOATING SURFACE SKIMMER
- Tr — TREE PROTECTION
- St — STORM DRAIN OUTLET PROTECTION

LIMIT OF DISTURBANCE (TYP)

NOTES:

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Susan U. Major
Level II Certified Design Professional
Certification Number 0000028288
Issued: 12/15/2015 Expires: 12/15/2018

24 HOUR EROSION CONTROL CONTACT:
CMAR PRIMARY PERMITTEE
NAME: STEVE ORTMAN
ADDRESS: 300 CHURCHILL COURT
WOODSTOCK, GA 30188
PHONE : 404-427-3872

JOSEPH E BOONE BLVD (IMPROVEMENTS BY OTHERS)
JOSEPH E BOONE BLVD (FORMERLY SIMPSON STREET) 60' R/W
ELM STREET
MAPLE STREET
WALNUT STREET
TYLER STREET
THURMOND STREET
STOCKPILE
SEDIMENT BASIN #1 MAINT'N UNTIL SEDIMENT BASIN #3 IS OPERATIONAL
SEDIMENT BASIN #3
36" CMP
PROTECT EXISTING COMBINED SEWER UNTIL 96" COMBINED SEWER IS CONNECTED
EXISTING 10'X8' BRICK COMBINED SEWER TRUNKLINE
EXISTING 96" RCP COMBINED SEWER TRUNKLINE
GEORGIA POWER OVERHEAD TRANSMISSION LINES
GATE
MAINTAIN
DUMPSTER PAD

0 25 50 75 100
SCALE: 1" = 50 FEET

811 Know what's below. Call before you dig.

Plot Date: 10/2/2017 12:54 PM Plot By: SMajor Filename: O:\73_WS\T-2\ECF-002 SW Pond EC Phase 2A.dwg

ACAD Rel: 19.1s (LMS Tech)
Filename: O:\73_WS\T-2\ECF-002 SW Pond EC Phase 2A.dwg
Last Saved: 10/2/2017 12:50 PM Saved By: SMajor

Georgia Registered Professional Engineer — No. PE 16710 — Professional Engineer — Susan U. Major

City of Atlanta Department of watershed management
JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY
EROSION AND SEDIMENT CONTROL
STORMWATER POND
PHASE 2A

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	10/2/2017

PROJECT NO: 7383-E
DESIGNED BY: SM
DRAWN BY: JC
CHECKED BY: DM
DATE: 10-2-2017
SCALE: AS SHOWN

DRAWING NO.
ECF-002A

SHEET OF

LEGEND

- Co — CONSTRUCTION ENTRANCE
- Sd1-S — SILT FENCE
- Sd1-S / Ds1 / Sd1-S — SILT FENCE AND DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)
- Du — DUST CONTROL
- Ds1 — DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)
- Ds2 — DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)
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- Di — DIVERSION
- Sk — FLOATING SURFACE SKIMMER
- Tr — TREE PROTECTION
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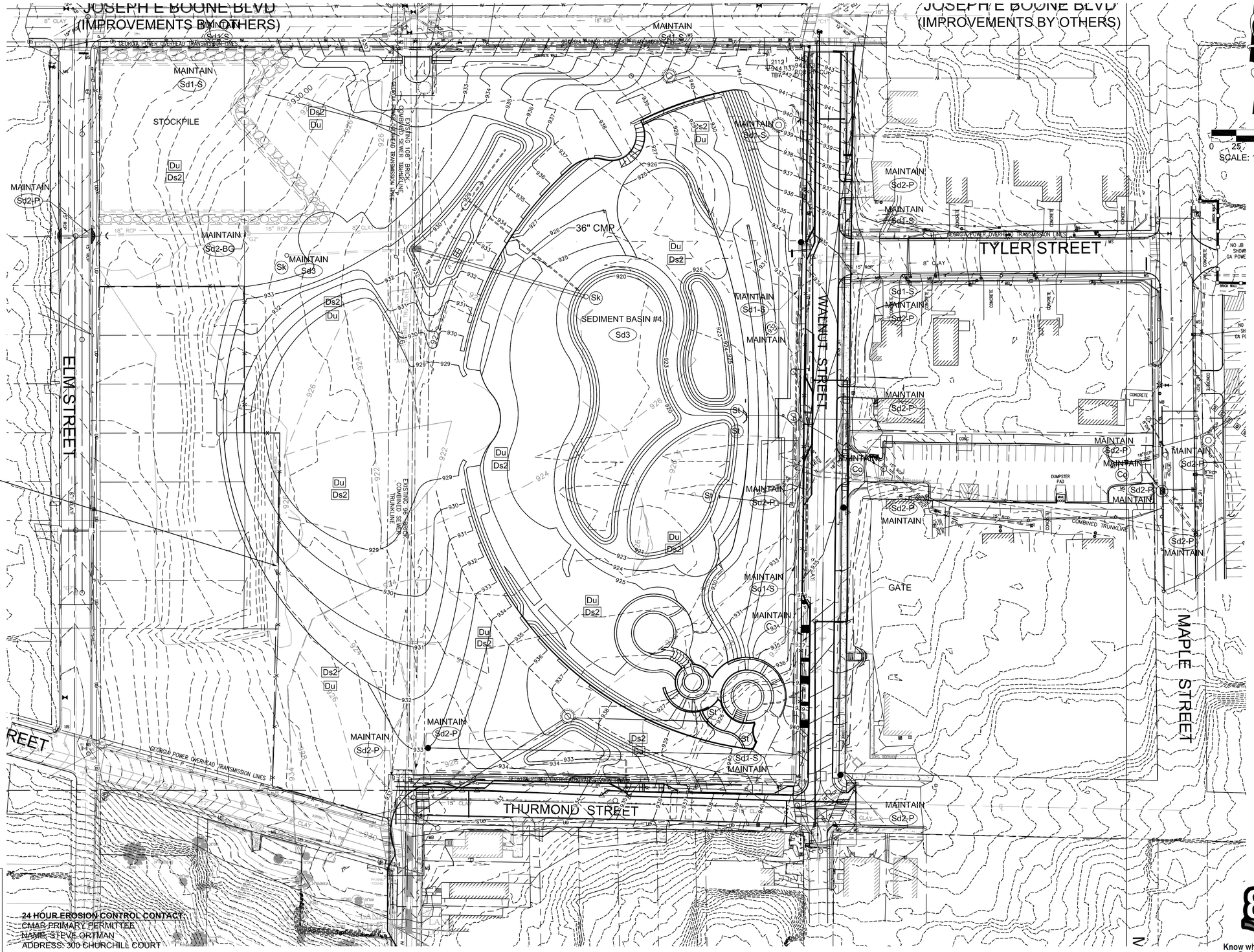
LIMIT OF DISTURBANCE (TYP)



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24 HOUR EROSION CONTROL CONTACT:
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NAME: STEVE ORTMAN
ADDRESS: 300 CHURCHILL COURT
WOODSTOCK, GA 30188
PHONE : 404-427-3872

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GEORGIA — Georgia Registered Professional Engineer — No. PE16710 — Professional Engineer — Susan U. Major

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

EROSION AND SEDIMENT CONTROL
STORMWATER POND
PHASE 2B

City of Atlanta Department of watershed management
JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	10/2/2017

PROJECT NO: 7383-E
DESIGNED BY: SM
DRAWN BY: JC
CHECKED BY: DM
DATE: 10-2-2017
SCALE: AS SHOWN

DRAWING NO.
ECF-002B

SHEET OF

ACAD Rel: 19.1s (LMS Tech)
Filename: O:\73_WS\T-2\ECF-002 SW Pond EC Phase 2B.dwg
Last Saved: 10/2/2017 11:36 AM Saved By: SMajor

Plot Date: 10/2/2017 11:37 AM Plot By: SMajor Filename: O:\73_WS\T-2\ECF-002 SW Pond EC Phase 2B.dwg

LEGEND

- Co — CONSTRUCTION ENTRANCE
- Sd1-S — SILT FENCE
- Sd1-S / Ds1 / Sd1-S — DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)
- Du — DUST CONTROL
- Ds1 — DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)
- Ds2 — DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)
- Ds3 — DISTURBED AREA STABILIZATION (WITH PERMANENT SEEDING)
- Ds4 — DISTURBED AREA STABILIZATION (WITH SODDING)
- Sd2-BG — BLOCK & GRAVEL INLET PROTECTION
- Sd2-P — CURB FILTER INLET
- Sd3 — TEMPORARY SEDIMENT BASIN
- Di — DIVERSION
- Sk — FLOATING SURFACE SKIMMER
- Tr — TREE PROTECTION
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LIMIT OF DISTURBANCE (TYP)

NOTES:

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UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY
EROSION AND SEDIMENT CONTROL
STORMWATER POND
PHASE 3

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	10/2/2017

PROJECT NO. 7383-E
DESIGNED BY: SM
DRAWN BY: JC
CHECKED BY: DM
DATE: 10-2-2017
SCALE: AS SHOWN

DRAWING NO. ECF-003
SHEET OF

ACAD Rel: 19.1s (LMS Tech)
Filename: O:\73_WS\T-2\ECF-003 SW Pond EC Phase 3.dwg
Last Saved: 9/7/2017 5:06 PM Saved By: SMajor
Plot Date: 10/2/2017 3:45 PM Plot By: SMajor Filename: O:\73_WS\T-2\ECF-003 SW Pond EC Phase 3.dwg

EROSION, SEDIMENTATION, AND POLLUTION CONTROL NOTES

PRIOR TO LAND-DISTURBING ACTIVITIES, THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE AREA EROSION CONTROL INSPECTOR. CALL (404) 546-1300 TO CONTACT THE INSPECTOR.

THIS PLAN HAS BEEN PREPARED TO MEET THE REQUIREMENTS UNDER THE STATE OF GEORGIA, DEPARTMENT OF NATURAL RESOURCES, ENVIRONMENTAL PROTECTION DIVISION (EPD), GENERAL PERMIT NUMBER GAR 100001 FOR AUTHORIZATION TO DISCHARGE UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES), STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY FOR STAND ALONE CONSTRUCTION PROJECTS.

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES.

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PRIOR TO FINAL SIGNOFF, APPLICANT IS REQUIRED TO SUBMIT AN ELECTRONIC FORMAT (AS DETERMINED BY THE DEPARTMENT OF WATERSHED MANAGEMENT) AND A PAPER FORMAT OF THE ACTUAL "AS BUILT" PLANS FOR ANY STORMWATER MANAGEMENT FACILITIES OR PRACTICES AFTER FINAL CONSTRUCTION IS COMPLETED. THE PLAN MUST SHOW THE AS BUILT CONFIGURATION FOR ALL STORMWATER MANAGEMENT FACILITIES AND PRACTICES AND MUST BE CERTIFIED BY A PROFESSIONAL ENGINEER.

EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED AT LEAST WEEKLY, AFTER EACH RAIN, AND REPAIRED AS NECESSARY.

ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IF DETERMINED NECESSARY BY ON-SITE INSPECTION.

ALL SILT FENCES MUST BE TYPE S, WIRE BACKED, DOUBLE ROW, AND MEET THE REQUIREMENTS OF THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA, 2016 EDITION.

THE LEVEL II QUALIFIED DESIGN PROFESSIONAL WHO SEALED THESE PLANS IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMP'S WITHIN 7 DAYS AFTER INSTALLATION. THE DESIGN PROFESSIONAL MUST REPORT THE RESULTS OF THE INSPECTION TO THE PERMITTEE WITHIN SEVEN (7) DAYS AND THE PERMITTEE MUST CORRECT ALL DEFICIENCIES WITHIN TWO (2) BUSINESS DAYS OF RECEIPT OF THE INSPECTION REPORT.

ALL AMENDMENTS AND REVISIONS TO THE EROSION & SEDIMENT CONTROL PLANS WHICH WILL HAVE A SIGNIFICANT EFFECT ON BEST MANAGEMENT PRACTICE (BMP) WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.

NO NON-EXEMPT ACTIVITIES SHALL BE CONDUCTED IN THE 25' STATE WATERS BUFFER OR THE 75' CITY OF ATLANTA RIPARIAN BUFFER WITHOUT FIRST OBTAINING THE NECESSARY VARIANCES AND PERMITS.

THE PROPERTY OWNER AND CONTRACTOR ARE EQUALLY RESPONSIBLE FOR ALL EROSION CONTROL ACTIVITIES.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN QUALIFIED PROFESSIONAL ADVICE WHEN QUESTIONS ARISE CONCERNING DESIGN AND EFFECTIVENESS OF EROSION CONTROL DEVICES, NOT THE CITY OF ATLANTA.

ALL TEMPORARY AND PERMANENT SEEDING MUST BE PERFORMED AT THE APPROPRIATE SEASON. IN SUCH INSTANCES WHERE THE ESTABLISHMENT OF VEGETATION IS INOPPORTUNE DUE TO SEASON OR DROUGHT, DISTURBED AREAS SHALL BE TEMPORARILY STABILIZED USING 2"-4" OF MULCH (DS1). ADDITIONAL PLANTINGS WILL BE NECESSARY IF A SUFFICIENT STAND OF GRASS FAILS TO GROW.

THE CITY'S DESIGNEE WILL VERIFY ADEQUATE VEGETATIVE COVER (100% COVER, 70% DENSITY) OF PERMANENT STABILIZATION (Ds3, Ds4).

SILT FENCES SHALL NOT BE PLACED IN STREAM BUFFER OR FLOODPLAINS, UNLESS UTILIZED FOR THE CONSTRUCTION OF AN EXEMPT ACTIVITY (I.E. ROADWAY DRAINAGE STRUCTURES, SEWER/WATER CROSSINGS, OR DRAINAGE STRUCTURES) PER THE APPROVED PLANS. FOR SUCH DISTURBANCES WITHIN THE BUFFER, THE AREA SHALL BE IMMEDIATELY STABILIZED USING EROSION CONTROL MATTING AND/OR BLANKETS ONCE THE ACTIVITY IS COMPLETE.

SEDIMENT STORAGE VOLUME (67 CY/ACRE) MUST BE INSTALLED PRIOR TO ANY OTHER LAND DISTURBANCE ACTIVITY AND REMAIN IN PLACE UNTIL FINAL STABILIZATION OCCURS.

FOR EACH SITE ON WHICH LAND DISTURBING ACTIVITY OCCURS, EACH ENTITY OR PERSON ACTING AS EITHER A PRIMARY, SECONDARY, OR TERTIARY PERMITTEE, AS DEFINED IN THE STATE GENERAL PERMIT, SHALL HAVE AS A MINIMUM ONE PERSON WHO IS IN RESPONSIBLE CHARGE OF EROSION AND SEDIMENTATION CONTROL ACTIVITIES ON BEHALF OF SAID ENTITY OR PERSON AND MEETS THE APPLICABLE (LEVEL 1A) EDUCATION OR TRAINING CERTIFICATION REQUIREMENTS (O.C.G.A. 12-7-19(A)(2)).

SUBCONTRACTORS INVOLVED WITH LAND DISTURBANCE ACTIVITIES SHALL MEET THE EDUCATION REQUIREMENTS (LEVEL 1) DESCRIBED IN O.C.G.A 12-7-19.

THE CONTRACTOR SHALL OBSERVE THE PROJECT SEQUENCE SHOWN ON THE PLANS. THE CONTRACTOR SHALL MAINTAIN CAREFUL SCHEDULING AND PERFORMANCE TO ENSURE THAT LAND STRIPPED OF ITS NATURAL COVER IS EXPOSED ONLY IN SMALL QUANTITIES.

THE OWNER AGREES TO PROVIDE AND MAINTAIN OFF-STREET PARKING ON THE SUBJECT PROPERTY DURING THE ENTIRE CONSTRUCTION PERIOD.

NO STAGING AREAS, MATERIAL STORAGE, CONCRETE WASH OUT AREAS, OR DEBRIS BURN AND BURIAL HOLES SHALL BE LOCATED WITHIN 500 FEET OF DESIGNATED TREE PROTECTION AREAS.

A COPY OF THE APPROVED LAND DISTURBANCE PLAN AND PERMIT SHALL BE PRESENT ON THE SITE AT ALL TIMES.

PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITY, THE LIMITS OF LAND DISTURBANCE AND ALL STREAM BUFFERS SHALL BE CLEARLY AND ACCURATELY DEMARCATED WITH STAKES, RIBBONS, OR OTHER APPROPRIATE MEANS. THE LOCATION AND EXTENT OF ALL AUTHORIZED LAND DISTURBANCE ACTIVITY SHALL BE DEMARCATED FOR THE DURATION OF THE CONSTRUCTION ACTIVITY. NO LAND DISTURBANCE SHALL OCCUR OUTSIDE THE APPROVED LIMITS INDICATED ON THE APPROVED PLANS.

PRIOR TO ANY OTHER CONSTRUCTION, A STABILIZED CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED AT EACH POINT OF ENTRY TO OR EXIT FROM THE SITE OR ONTO ANY PUBLIC ROADWAY.

THE FOLLOWING INITIAL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY.

1. THE CONSTRUCTION EXIT, CONSISTING OF A MINIMUM PAD SIZE OF 20 FEET BY 50 FEET WITH A MINIMUM OF 6" THICK STONE, SHALL BE PLACED AS SHOWN ON THE PLAN. THE STONE SIZE SHOULD CONSIST OF COURSE AGGREGATE BETWEEN 1-1/2" & 3-1/2" IN DIAMETER AND OVERLAID ON A GEOTEXTILE UNDERLINER. THE GEOTEXTILE UNDERLINER SHALL MEET THE REQUIREMENTS OF AASHTO M288-96, SECTION 7.3 SEPARATION REQUIREMENTS.
2. IMMEDIATELY AFTER THE ESTABLISHMENT OF CONSTRUCTION ENTRANCE/EXITS, ALL PERIMETER EROSION CONTROL AND TEMPORARY SEDIMENT BASINS SHALL BE INSTALLED AS SHOWN ON THE INITIAL PHASE EROSION CONTROL PLAN.
3. TYPE "S" SILT FENCE SHOULD BE INSTALLED AT THE PERIMETER OF THE DISTURBED AREA AS SHOWN ON THE PLAN. THE SILT FENCE SHOULD BE PLACED IN ACCORDANCE WITH THE MANUAL FOR EROSION CONTROL IN GEORGIA. THE SILT FENCE SHOULD BE KEPT ERECT AT ALL TIMES AND REPAIRED WHEN REQUESTED BY THE SITE INSPECTOR OR THE PROJECT DESIGN PROFESSIONAL OF RECORD. SILT SHOULD BE REMOVED WHEN ACCUMULATION REACHES ½ HEIGHT OF THE BARRIER. THE PERIMETER SILT FENCE SHOULD BE INSPECTED DAILY FOR ANY FAILURES. ANY FAILURES OF SAID FENCING SHOULD BE REPAIRED IMMEDIATELY.
4. INLET SEDIMENT PROTECTION MEASURES SHALL BE INSTALLED ON ALL EXISTING STORM STRUCTURES AS SHOWN ON THE PLAN. SEE SEPARATE DETAILS FOR SPECIFICS ON TYPE OF INLET PROTECTION SPECIFIED.
5. STONE CHECK DAMS SHALL BE INSTALLED IN AREAS OF CONCENTRATED FLOWS AS SHOWN ON THE PLAN.
6. TREE PROTECTION FENCING SHOULD BE INSTALLED PRIOR TO THE START OF ANY LAND DISTURBANCE ACTIVITY AND MAINTAINED UNTIL FINAL LANDSCAPE IS INSTALLED. THE TREE PROTECTION FENCING SHOULD BE INSPECTED DAILY. ANY FAILURES OF SAID FENCING SHOULD BE REPAIRED IMMEDIATELY.

ADDITIONAL SILT BARRIERS MUST BE PLACED AS SHOWN ON THE PLAN AS ACCESS IS OBTAINED DURING CLEARING. NO GRADING SHALL TAKE PLACE UNTIL SILT BARRIER INSTALLATION AND SEDIMENT PONDS ARE CONSTRUCTED AS SHOWN ON THE PHASE I EROSION CONTROL PLAN.

THE CONTRACTOR CAN UTILIZE CLEARED TREES AS INITIAL BRUSH BARRIER SEDIMENT CONTROL IN AREAS SHOWN ON PLAN WHERE INITIAL GRADING ACTIVITIES WILL NOT OCCUR.

NO BURN OR BURY PITS SHALL BE PERMITTED ON THE CONSTRUCTION SITE WITHOUT WRITTEN PERMISSION BY THE OWNER AND/OR THE ENGINEER OF RECORD.

ALL ITEMS IN THIS SECTION OF THE SPECIFICATIONS SHALL MEET THE REQUIREMENTS AS SET FORTH IN THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA, 2016 EDITION.

MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 14 DAYS OF LAND DISTURBANCE.

ALL DISTURBED AREAS LEFT MULCHED AFTER 30 DAYS SHALL BE STABILIZED WITH PERMANENT VEGETATION.

SEDIMENT AND EROSION CONTROL MEASURES SHOULD BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF THE CAPACITY OF THE DEVICE.

THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION, WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1-3" OF STONE, AS CONDITIONS DEMAND. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLE ON TO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY.

CONTRACTOR SHALL INSPECT EROSION CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.

FAILURE TO INSTALL, OPERATE, OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED EROSION CONTROL PLANS.

THE SITE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTENANCE OF ALL EROSION CONTROL MEASURES INCLUDING REPLACING OR REPAIRING ANY DAMAGED DEVICES DUE TO ANY CONSTRUCTION ACTIVITY BY OTHERS.

DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN CAREFUL SCHEDULING AND PERFORMANCE TO ENSURE THAT LAND STRIPPED OF ITS NATURAL GROUND COVER IS EXPOSED ONLY IN SMALL QUANTITIES AND THEREFORE LIMITED DURATIONS, BEFORE PERMANENT EROSION PROTECTION IS ESTABLISHED. NOTE SUB PHASES SHOWN ON PLANS.

EARTHWORK OPERATIONS IN THE VICINITY OF STREAM BUFFERS SHALL BE CAREFULLY CONTROLLED TO AVOID DUMPING OR SLOUGHING INTO THE BUFFER AREAS.

SEDIMENT SHALL NOT BE WASHED INTO INLETS. IT SHALL BE REMOVED FROM THE SEDIMENT TRAPS AND DISPOSED OF AND STABILIZED SO THAT IT WILL NOT ENTER THE INLETS AGAIN.

EROSION CONTROL DEVICES SHALL BE INSTALLED IMMEDIATELY AFTER GROUND DISTURBANCE OCCURS. THE LOCATION OF SOME OF THE EROSION CONTROL DEVICES MAY HAVE TO BE ALTERED FROM THAT SHOWN ON THE APPROVED PLANS IF DRAINAGE PATTERNS DURING THE CONSTRUCTION ARE DIFFERENT FROM THE PROPOSED DRAINAGE PATTERNS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE DESIGN PROFESSIONAL IMMEDIATELY.

THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY BARRICADES WHILE ROADWAY FRONTAGE IMPROVEMENTS ARE BEING MADE.

A DOUBLE ROW OF TYPE "S" SILT FENCE SHOULD BE INSTALLED AT THE TOE OF ALL FILL SLOPES 10 FEET GREATER IN HEIGHT. THE SILT FENCE SHOULD BE PLACED IN ACCORDANCE WITH THE MANUAL FOR EROSION CONTROL IN GEORGIA. THE SILT FENCE SHALL BE MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED ON THE SLOPE. SILT SHALL BE REMOVED WHEN ACCUMULATION REACHES ½ HEIGHT OF THE BARRIER. ADDITIONALLY, DIVERSION DIKES SHALL BE CONSTRUCTED ALONG THE TOP OF ALL SAID FILL SLOPES WITH THE USE OF TEMPORARY DOWN DRAINS TO CONTROL STORM WATER RUN OFF AS SHOWN ON THE PLANS. SEE SEPARATE DETAILS FOR ADDITIONAL INFORMATION.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING BARRIERS AT THE TOE OF SLOPES UNDER CONSTRUCTION. THESE BARRIERS SHALL BE AS SHOWN IN THE PLANS. THESE BARRIERS MAY BE RELOCATED AND REUSED AFTER PERMANENT SLOPE STABILIZATION BECOMES FULLY ESTABLISHED. AS THEY ARE RELOCATED, ANY DEFECTIVE MATERIALS IN THE BARRIER SHALL BE REPLACED. IN ADDITION, ALL DEBRIS AND SILT AT THE PREVIOUS LOCATION SHALL BE REMOVED. CUT AND FILL SLOPES ARE NOT TO EXCEED "2H:1V".

A DOUBLE ROW OF TYPE "S" SILT FENCE SHALL BE PLACED AT THE TOE OF ALL DIRT STOCK PILE AREAS. SEE SEPARATE DETAILS FOR ADDITIONAL INFORMATION.

INLET SEDIMENT PROTECTION MEASURES SHALL BE INSTALLED ON ALL STORM STRUCTURES AS THEY ARE CONSTRUCTED. SEE PLAN VIEW FOR SPECIFIC TYPE AND SEPARATE DETAILS FOR ADDITIONAL INFORMATION ON TYPE OF INLET PROTECTION SPECIFIED.

STORM DRAIN OUTLET PROTECTION SHALL BE PLACED AT ALL OUTLET HEADWALLS AS SOON AS THE HEADWALL IS CONSTRUCTED. SEE SEPARATE DETAILS FOR ADDITIONAL INFORMATION.

STONE CHECK DAMS SHALL BE INSTALLED IN AREAS OF CONCENTRATED FLOWS AS SHOWN ON THE PLAN. SEE SEPARATE DETAIL FOR ADDITIONAL INFORMATION.

ALL DRAINAGE SWALES SHALL BE STABILIZED AS SOON AS FINAL GRADE IS ACHIEVED.

ALL GRADED AREAS SHALL BE APPLIED WITH VEGETATIVE COVER AS SOON AS FINAL GRADE IS ACHIEVED.

MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 14 DAYS OF LAND DISTURBANCE.

ALL DISTURBED AREAS LEFT MULCHED AFTER 30 DAYS SHALL BE STABILIZED WITH TEMPORARY GRASSING.

CONTRACTOR SHALL INSPECT CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.

ALTERNATIVE BMP'S

USE OF ALTERNATIVE BMP'S WHOSE PERFORMANCE HAS BEEN DOCUMENTED TO BE EQUIVALENT OR SUPERIOR TO CONVENTIONAL BMP'S AS CERTIFIED BY A DESIGN PROFESSIONAL MAY BE ALLOWED (UNLESS DISAPPROVED BY EPD OR THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION).

REQUIRED DOCUMENTATION FOR ALTERNATIVE BMPS:

1. ONE PAGE SUMMARY DETAILING WHY THE ALTERNATIVE BMP IS EQUIVALENT OR SUPERIOR TO THE CONVENTIONAL BMP'S FOUND IN THE "MANUAL FOR EROSION AND SEDIMENTATION CONTROL IN GEORGIA" (MANUAL).

2. DOCUMENTED SIDE BY SIDE TESTING (ALTERNATIVE BMP VS. CONVENTIONAL BMP) USING THE APPROPRIATE DESIGN REQUIREMENTS AND SPECIFICATIONS CONTAINED IN THE MANUAL.

3. PROOF THAT THE ALTERNATIVE BMP WAS PREVIOUSLY INSTALLED AND WORKED UNDER CONDITIONS COMPARABLE TO THE ENVIRONMENTAL CONDITIONS OF THE PROPOSED SITE. THIS CAN BE DOCUMENTED WITH PHOTOGRAPHS.

4. ALL SPECIFICATIONS INCLUDING THE DESIGN REQUIREMENTS AND THE PROCEDURES FOR PROPER INSTALLATION AND MAINTENANCE.

ALL FORMS OF DOCUMENTATION MUST BE SIGNED AND CERTIFIED BY THE DESIGN PROFESSIONAL WHO IS PREPARING THE ES&PC PLAN AND MUST INCLUDE THE DESIGN PROFESSIONAL'S SEAL AND GSWCC DESIGN PROFESSIONAL CERTIFICATION.

NOTE: IF LIMITS OF DISTURBANCE FOR PROJECT REQUIRES DISTURBING 50 ACRES OR MORE AT ANY ONE TIME, WRITTEN AUTHORIZATION FORM THE ENVIRONMENTAL PROTECTION DIVISION (EPD) DISTRICT OFFICE SHALL BE INCORPORATED INTO THIS ES&PC PLAN. IF EPD APPROVES THE REQUEST, THE PLAN MUST INCLUDE 4 OF THE BMP'S LISTED IN APPENDIX 1 OF GSWCC CHECKLIST, OR PART III.C.2. OF NPDES GAR 100001.

NOTE: IF SITE DISCHARGES INTO AN IMPAIRED STREAM AS DESCRIBED BELOW, PROVIDE THE FOLLOWING INFORMATION AND DELINEATE ADDITIONAL BMP'S ON ES&PC PLANS.

ANY PERMITTEE WHO INTENDS TO OBTAIN COVERAGE UNDER THE NPDES GAR# 100001 FOR STORM WATER DISCHARGES ASSOCIATED WITH STAND ALONE CONSTRUCTION ACTIVITY INTO AN IMPAIRED STREAM SEGMENT, OR WITHIN ONE (1) LINEAR MILE UPSTREAM OF AND WITHIN THE SAME WATERSHED AS, ANY PORTION OF AN IMPAIRED STREAM SEGMENT IDENTIFIED AS "NOT SUPPORTING" ITS DESIGNATED USE(S), AS SHOWN ON GEORGIA'S 2008 AND SUBSEQUENT "305(B)/303(D) LIST DOCUMENTS (FINAL)" AT THE TIME OF NOI SUBMITTAL, MUST SATISFY THE REQUIREMENTS OF PART III.C. OF THIS PERMIT IF THE IMPAIRED STREAM SEGMENT HAS BEEN LISTED FOR CRITERIA VIOLATED, "BIO F" (IMPAIRED FISH COMMUNITY) AND/OR "BIO M" (IMPAIRED MACROINVERTEBRATE COMMUNITY), WITHIN CATEGORY 4A, 4B OR 5, AND THE POTENTIAL CAUSE IS EITHER "NP" (NONPOINT SOURCE) OR "UR" (URBAN RUNOFF), THOSE DISCHARGES THAT ARE LOCATED WITHIN ONE (1) LINEAR MILE OF AN IMPAIRED STREAM SEGMENT, BUT ARE NOT LOCATED WITHIN THE WATERSHED OF ANY PORTION OF THAT STREAM SEGMENT, ARE EXCLUDED FROM THIS REQUIREMENT. GEORGIA'S 2008 AND SUBSEQUENT 305(B)/303(D) LIST DOCUMENTS (FINAL)" CAN BE VIEWED ON THE EPD WEBSITE, WWW.GAEPD.ORG/DOCUMENTS/305B.HTML.

1. IF A TOTAL MAXIMUM DAILY LOAD (TMDL) IMPLEMENTATION PLAN FOR SEDIMENT HAS BEEN FINALIZED AT LEAST SIX (6) MONTHS PRIOR TO THE PERMITTEE'S SUBMITTAL OF THE NOI, THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN (PLAN) MUST ADDRESS ANY SITE-SPECIFIC CONDITIONS OR REQUIREMENTS INCLUDED IN THE TMDL IMPLEMENTATION PLAN THAT ARE APPLICABLE TO THE PERMITTEE'S DISCHARGE(S) TO THE IMPAIRED STREAM SEGMENT WITHIN THE TIMEFRAME SPECIFIED IN THE TMDL IMPLEMENTATION PLAN. IF THE TMDL IMPLEMENTATION PLAN ESTABLISHES A SPECIFIC NUMERIC WASTELOAD ALLOCATION THAT APPLIES TO AN PERMITTEE'S DISCHARGE(S) TO THE IMPAIRED STREAM SEGMENT, THEN THE PERMITTEE MUST INCORPORATE THAT ALLOCATION INTO THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN AND IMPLEMENT ALL NECESSARY MEASURES TO MEET THAT ALLOCATION. A LIST OF TMDL IMPLEMENTATION PLANS CAN BE VIEWED ON THE EPD WEBSITE, WWW.GAEPD.ORG.

2. IN ORDER TO ENSURE THAT THE PERMITTEE'S DISCHARGE(S) DO NOT CAUSE OR CONTRIBUTE TO A VIOLATION OF STATE WATER QUALITY STANDARDS, THE PLAN MUST INCLUDE AT LEAST FOUR (4) OF THE FOLLOWING BEST MANAGEMENT PRACTICES (BMP'S) FOR THOSE AREAS OF THE SITE WHICH DISCHARGE INTO OR WITHIN ONE (1) LINEAR MILE UPSTREAM AND WITHIN THE SAME WATERSHED AS THE IMPAIRED STREAM SEGMENT:

A. DURING CONSTRUCTION ACTIVITIES, DOUBLE THE WIDTH OF THE 25 FOOT UNDISTURBED VEGETATED BUFFER ALONG ALL STATE WATERS REQUIRING A BUFFER AND THE 50 FOOT UNDISTURBED VEGETATED BUFFER ALONG ALL STATE WATERS CLASSIFIED AS "TROUT STREAMS" REQUIRING A BUFFER. DURING CONSTRUCTION ACTIVITIES, EPD WILL NOT GRANT VARIANCES TO ANY SUCH BUFFERS THAT ARE INCREASED IN WIDTH PURSUANT TO THIS SECTION.

B. INCREASE ALL TEMPORARY SEDIMENT BASINS AND RETROFITTED STORM WATER MANAGEMENT BASINS TO PROVIDE SEDIMENT STORAGE OF AT LEAST 3600 CUBIC FEET (134 CUBIC YARDS) PER ACRE DRAINED.

C. USE BAFFLES IN ALL TEMPORARY SEDIMENT BASINS AND RETROFITTED STORM WATER MANAGEMENT BASINS TO AT LEAST DOUBLE THE CONVENTIONAL FLOW PATH LENGTH TO THE OUTLET STRUCTURE.

D. PLACE A LARGE SIGN (MINIMUM 4 FEET X 8 FEET) ON THE SITE VISIBLE FROM THE ROADWAY IDENTIFYING THE CONSTRUCTION SITE, THE PERMITTEE(S), AND THE CONTACT PERSON(S) AND TELEPHONE NUMBER(S).

E. USE ANIONIC POLYACRYLAMIDE (PAM) AND/OR MULCH TO STABILIZE AREAS LEFT DISTURBED FOR MORE THAN SEVEN (7) CALENDAR DAYS IN ACCORDANCE WITH PART III.D.1. OF THIS PERMIT.

F. CONDUCT TURBIDITY AND TOTAL SUSPENDED SOLIDS (TSS) SAMPLING AFTER EVERY RAIN EVENT OF 0.5 INCH OR GREATER WITHIN ANY 24 HOUR PERIOD, RECOGNIZING THE EXCEPTIONS SPECIFIED IN PART V.D.6.D. OF THIS PERMIT.

G. COMPLY WITH THE APPLICABLE END-OF-PIPE TURBIDITY EFFLUENT LIMIT, WITHOUT THE "BMP DEFENSE" AS PROVIDED FOR IN O.C.G.A. 12-7-6(A)(1).

H. LIMIT THE TOTAL PLANNED SITE DISTURBANCE TO LESS THAN 50% IMPERVIOUS SURFACES (EXCLUDING ANY STATEMANDATED BUFFER AREAS FROM SUCH CALCULATIONS).

I. LIMIT THE AMOUNT OF AREA DISTURBED AT ANY ONE TIME TO NO GREATER THAN 25 ACRES OR 50% OF THE TOTAL PLANNED SITE, WHICHEVER IS LESS.

J. USE "DIRT II" TECHNIQUES TO MODEL AND MANAGE STORM WATER RUNOFF (E.G., SEEP BERMS, SAND FILTERS, ANIONIC PAM), AVAILABLE ON THE EPD WEBSITE, WWW.GAEPD.ORG.

K. ADD APPROPRIATE ORGANIC SOIL AMENDMENTS (E.G., COMPOST) AND CONDUCT PRE- AND POST-CONSTRUCTION SOIL SAMPLING TO A DEPTH OF 6 (SIX) INCHES TO DOCUMENT IMPROVED LEVELS OF SOIL CARBON AFTER FINAL STABILIZATION OF THE CONSTRUCTION SITE.

L. USE MULCH FILTER BERMS, IN ADDITION TO A SILT FENCE, ON THE SITE PERIMETER WHEREVER STORM WATER MAY BE DISCHARGED.

M. APPLY THE APPROPRIATE GEORGIA DEPARTMENT OF TRANSPORTATION APPROVED EROSION CONTROL MATTING OR BLANKETS OR BONDED FIBER MATRIX TO ALL SLOPES STEEPER THAN 3:1.

N. USE APPROPRIATE EROSION CONTROL MATTING OR BLANKETS INSTEAD OF CONCRETE IN CONSTRUCTION STORM WATER DITCHES AND STORM DRAINAGES DESIGNED FOR A 25 YEAR, 24 HOUR RAINFALL EVENT.

O. USE ANIONIC PAM UNDER A PASSIVE DOSING METHOD (E.G., FLOCCULANT BLOCKS) WITHIN CONSTRUCTION STORM WATER DITCHES AND STORM DRAINAGES THAT FEED INTO TEMPORARY SEDIMENT BASINS AND RETROFITTED MANAGEMENT BASINS.

P. INSTALL SOD FOR A MINIMUM 20 FOOT WIDTH, IN LIEU OF SEEDING, ALONG THE SITE PERIMETER WHEREVER STORM WATER MAY BE DISCHARGED.

Q. USE A SURFACE DRAINING SKIMMER DESIGNED TO DRAIN TEMPORARY SEDIMENT BASINS AND RETROFITTED STORMWATER MANAGEMENT BASINS OVER A MINIMUM THREE (3) DAY PERIOD.
R. CERTIFIED PERSONNEL SHALL CONDUCT INSPECTIONS AT LEAST TWICE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF THE STORM THAT IS 0.5 INCHES RAINFALL OR GREATER IN ACCORDANCE WITH PART IV.D.4.A.(2). (A) – (C) OF THIS PERMIT.

S. APPLY THE APPROPRIATE COMPOST BLANKETS (MINIMUM DEPTH 1.5 INCHES) TO PROTECT SOIL SURFACES UNTIL VEGETATION IS ESTABLISHED DURING THE FINAL STABILIZATION PHASE OF THE CONSTRUCTION ACTIVITY.

T. USE ALTERNATIVE BMP'S WHOSE PERFORMANCE HAS BEEN DOCUMENTED TO BE SUPERIOR TO CONVENTIONAL BMP'S AS CERTIFIED BY A DESIGN PROFESSIONAL (UNLESS DISAPPROVED BY EPD OR THE STATE SOIL AND WATER CONSERVATION COMMISSION).

RETENTION OF RECORDS

1. THE PRIMARY PERMITTEE SHALL RETAIN THE FOLLOWING RECORDS AT THE CONSTRUCTION SITE OR THE RECORDS SHALL BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI:

A. A COPY OF ALL NOTICES OF INTENT SUBMITTED TO EPD;

B. A COPY OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN REQUIRED BY THIS PERMIT;

C. THE DESIGN PROFESSIONAL'S REPORT OF THE RESULTS OF THE INSPECTION CONDUCTED IN ACCORDANCE WITH PART IV.A.5. OF THIS PERMIT;

D. A COPY OF ALL MONITORING INFORMATION, RESULTS, AND REPORTS REQUIRED BY THIS PERMIT;

E. A COPY OF ALL INSPECTION REPORTS GENERATED IN ACCORDANCE WITH PART IV.D.4.A. OF THIS PERMIT;

F. A COPY OF ALL VIOLATION SUMMARIES AND VIOLATION SUMMARY REPORTS GENERATED IN ACCORDANCE WITH PART III.D.2. OF THIS PERMIT; AND

G. DAILY RAINFALL INFORMATION COLLECTED IN ACCORDANCE WITH PART IV.D.4.A.(1)(C) OF THIS PERMIT.

2. COPIES OF ALL NOTICES OF INTENT, NOTICES OF TERMINATION, REPORTS, PLANS, MONITORING REPORTS, MONITORING INFORMATION, INCLUDING ALL CALIBRATION AND MAINTENANCE RECORDS AND ALL ORIGINAL STRIP CHART RECORDINGS FOR CONTINUOUS MONITORING INSTRUMENTATION, EROSION, SEDIMENTATION AND POLLUTION CONTROL PLANS, RECORDS OF ALL DATA USED TO COMPLETE THE NOTICE OF INTENT TO BE COVERED BY THIS PERMIT AND ALL OTHER RECORDS REQUIRED BY THIS PERMIT SHALL BE RETAINED BY THE PERMITTEE WHO EITHER PRODUCED OR USED IT FOR A PERIOD OF AT LEAST THREE YEARS FROM THE DATE THAT THE NOT IS SUBMITTED IN ACCORDANCE WITH PART VI OF THIS PERMIT. THESE RECORDS MUST BE MAINTAINED AT THE PERMITTEE'S PRIMARY PLACE OF BUSINESS OR AT A DESIGNATED ALTERNATIVE LOCATION ONCE THE CONSTRUCTION ACTIVITY HAS CEASED AT THE PERMITTED SITE. THIS PERIOD MAY BE EXTENDED BY REQUEST OF THE EPD AT ANY TIME UPON WRITTEN NOTIFICATION TO THE PERMITTEE.

24 HOUR EROSION CONTROL CONTACT:
NAME: STEVE ORTMAN
ADDRESS: 300 CHURCHILL COURT
WOODSTOCK, GA 30188
PHONE #: 404-427-3872

GSWCC — Georgia Soil and Water Conservation Commission

Susan U. Major
Level II Certified Design Professional
Certification Number 0000028288
Issued: 12/15/2015 Expires: 12/15/2018

Know what's below. Call before you dig. 811

GEORGIA — Certificate of Authorization — Susan U. Major — No. PE016719 — Professional Engineer — 10/2/2017

CITY OF ATLANTA DEPARTMENT OF watershed management
JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY
EROSION AND SEDIMENT CONTROL
STORMWATER POND
NPDES NOTE SHEET

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	10/2/2017

PROJECT NO: 7383-E
DESIGNED BY: SM
DRAWN BY: JC
CHECKED BY: DM
DATE: 10-2-2017
SCALE: NOTED

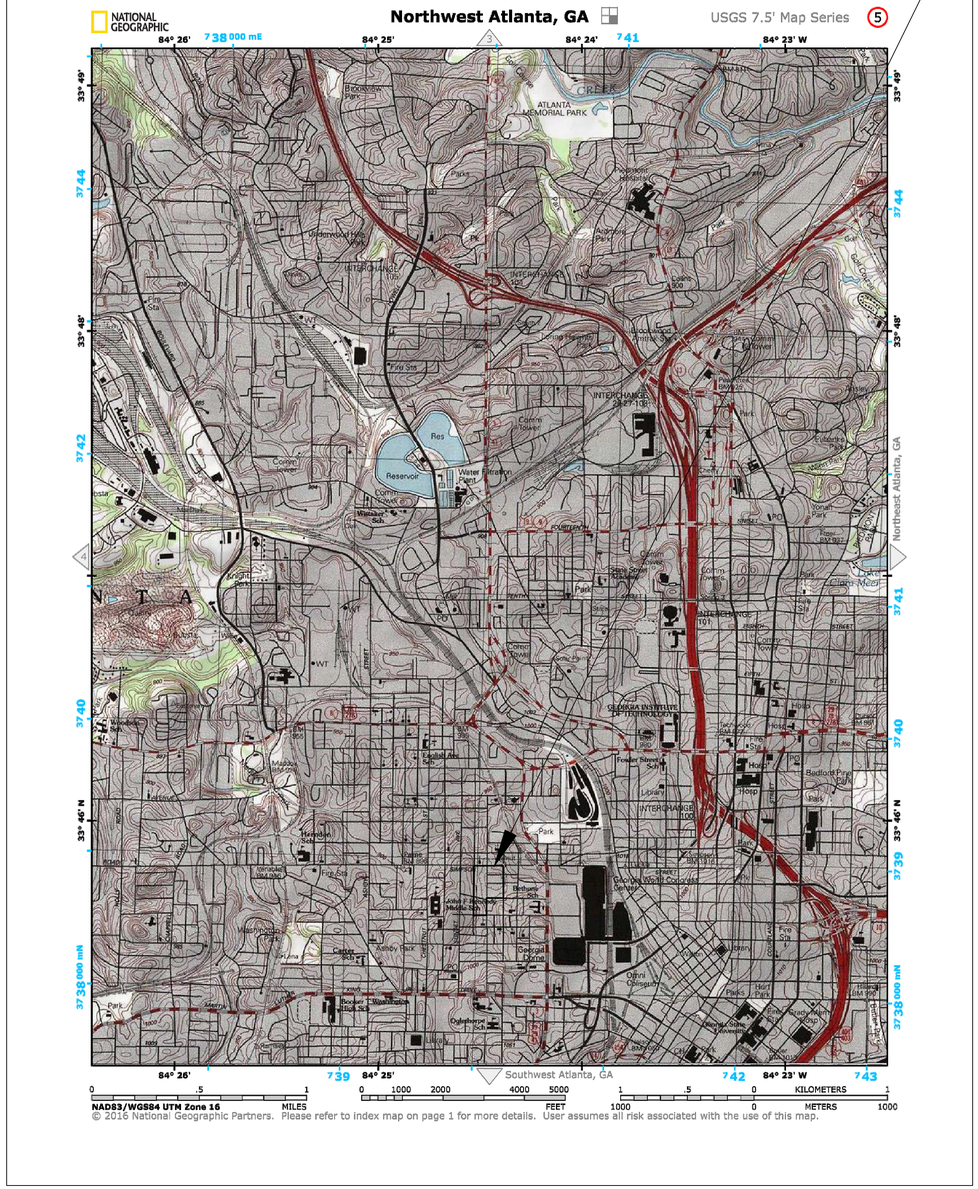
DRAWING NO.
ECF-004
SHEET OF

ACAD Rel: 19.1s (LMS Tech)
Filename: O:\73_WS\T-2\ECF-000-017_Stormwater Pond.dwg
Last Saved: 9/7/2017

UPPER PROCTOR CREEK
CAPACITY RELIEF PROJECT

FEMA FIRM MAP

UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT



USGS TOPOGRAPHIC MAP
NORTHWEST ATLANTA, GA QUADRANGLE
2014
RECEIVING WATERS: PROCTOR CREEK

N

GSWCC
Georgia Soil and Water Conservation Commission

Susan U. Major
Level II Certified Design Professional
Certification Number 0000028288
Issued: 12/15/2015 Expires: 12/15/2018

24 HOUR EROSION CONTROL CONTACT:
NAME: STEVE ORTMAN
ADDRESS: 300 CHURCHILL COURT
WOODSTOCK, GA 30188
PHONE #: 404-427-3872

811 Know what's below. Call before you dig.

GEORGIA REGISTERED No. PE16710 PROFESSIONAL ENGINEER SUSAN U. MAJOR

CITY OF ATLANTA DEPARTMENT OF watershed management

JP2
5587 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY
EROSION AND SEDIMENT CONTROL
STORMWATER POND
NPDES MAP SHEET

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	10/2/2017

PROJECT NO: 7383-E
DESIGNED BY: SM
DRAWN BY: JC
CHECKED BY: DM
DATE: 10-2-2017
SCALE: NOTED

DRAWING NO.
ECF-005
SHEET OF

ACAD Rel: 19.1s (LMS Tech)
Filename: O:\73_WS\T-2\ECF-000-017_Stormwater Pond.dwg
Last Saved: 9/7/2017 6:19 PM Saved By: SMajor

Plot Date: 10/1/2017 2:44 PM Plot By: SMajor Filename: O:\73_WS\T-2\ECF-000-017_Stormwater Pond.dwg

NATURE OF CONSTRUCTION ACTIVITY

THE NATURE OF THE CONSTRUCTION ACTIVITY ENTAILS CLEARING AND GRUBBING, TREE REMOVAL, STRUCTURE AND UTILITY DEMOLITION, GRADING, DRAINAGE STRUCTURES, STORM AND SANITARY SEWERS, ROADWAYS, UTILITIES, POND CONSTRUCTION, STORMWATER PLANTERS, RETAINING WALLS, AND BRIDGE FOUNDATION CONSTRUCTION.

TOTAL ACRES: 13.4

DISTURBED ACRES: 13.4

RUNOFF COEFFICIENT

WEIGHTED PRE-CONSTRUCTION CURVE NUMBER (CN):__80__
OR PEAK DISCHARGE FLOW (Qpre):_____CFS

WEIGHTED POST-CONSTRUCTION CURVE NUMBER (CN):__80_____
OR PEAK DISCHARGE FLOW (Qpost):_____CFS

DUST CONTROL

MINIMIZING WIND EROSION AND CONTROLLING DUST WILL BE ACCOMPLISHED BY ONE OR MORE OF THE FOLLOWING METHODS:

A. COVERING 30% OR MORE: OF THE SOIL SURFACE WITH NON-ERODIBLE MATERIAL
B. ROUGHENING THE SOIL TO PRODUCE RIDGES PERPENDICULAR TO THE PREVAILING WIND.
C. FREQUENT WATERING OF EXCAVATION AND FILL AREAS
D. PROVIDING GRAVEL OR PAVING AT ENTRANCE/ EXIT DRIVES

CONCRETE WASHOUT

IT IS PROHIBITED TO WASHOUT THE DRUM OF CONCRETE TRUCK ON SITE. SEE DETAILS SHEET FOR BEST MANAGEMENT PRACTICES FOR CONCRETE WASHDOWN OF TOOLS, CONCRETE MIXER CHUTES, HOPPERS, AND THE REAR OF THE VEHICLE ONLY.

POTENTIAL SOURCES OF STORMWATER POLLUTION

PETROLEUM BASED PRODUCTS - CONTAINERS FOR PRODUCTS SUCH AS FUELS, LUBRICANTS, AND TAR WILL BE INSPECTED DAILY FOR LEAKS AND SPILLS. THIS INCLUDES ON-SITE VEHICLE AND MACHINERY DAILY INSPECTIONS AND REGULAR PREVENTATIVE MAINTENANCE OF SUCH EQUIPMENT. EQUIPMENT MAINTENANCE AREAS WILL BE LOCATED AWAY FROM STATE WATERS, NATURAL DRAINS, AND STORMWATER DRAINAGE INLETS. IN ADDITION, TEMPORARY FUELING TANKS SHALL HAVE A SECONDARY CONTAINMENT LINER TO PREVENT/MINIMIZE SITE CONTAMINATION. DISCHARGE OF OILS, FUELS, AND LUBRICANTS IS PROHIBITED. PROPER DISPOSAL METHODS WILL INCLUDE COLLECTION IN A SUITABLE CONTAINER AND DISPOSAL AS REQUIRED BY LOCAL AND STATE REGULATIONS.

PAINTS/FINISHES/SOLVENTS - ALL PRODUCTS WILL BE STORED IN TIGHTLY SEALED ORIGINAL CONTAINERS WHEN NOT IN USE. EXCESS PRODUCT WILL NOT BE DISCHARGED TO THE STORM WATER COLLECTION SYSTEM. EXCESS PRODUCT, MATERIALS USED WITH THESE PRODUCTS AND PRODUCT CONTAINERS WILL BE DISPOSED OF ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

FERTILIZER/HERBICIDES - THESE PRODUCTS WILL BE APPLIED AT RATES THAT DO NOT EXCEED THE MANUFACTURER'S SPECIFICATION OR ABOVE THE GUIDELINES SET FORTH IN THE CROP ESTABLISHMENT OR IN THE GSWCC MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA. ANY STORAGE OF THESE MATERIALS WILL BE UNDER ROOF IN SEALED CONTAINERS.

BUILDING MATERIALS - NO BUILDING OR CONSTRUCTION MATERIALS WILL BE BURIED OR DISPOSED OF ONSITE. ALL SUCH MATERIAL WILL BE DISPOSED OF IN PROPER WASTE DISPOSAL PROCEDURE.

WASTE MATERIALS, INCLUDING BUILDING MATERIALS, SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

REMEDIATION OF PETROLEUM SPILLS AND LEAKS

LOCAL, STATE AND MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND PROCEDURES WILL BE MADE AVAILABLE TO SITE PERSONNEL.

MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREAS. TYPICAL MATERIALS AND EQUIPMENT INCLUDES, BUT IS NOT LIMITED TO BROOMS, DUSTPANS, MOPS, RAGS, GLOVES, GOGGLES, CAT LITTER, SAND, SAWDUST, AND PROPERLY LABELED PLASTIC AND METAL WASTE CONTAINERS.

SPILL PREVENTION PRACTICES AND PROCEDURES WILL BE REVIEWED AFTER A SPILL AND ADJUSTED AS NECESSARY TO PREVENT FUTURE SPILLS.

ALL SPILLS WILL BE CLEANED UP IMMEDIATELY UPON DISCOVERY. ALL SPILLS WILL BE REPORTED AS REQUIRED BY LOCAL, STATE, AND FEDERAL REGULATIONS.

THE CONTRACTOR SHALL NOTIFY THE LICENSED PROFESSIONAL WHO PREPARED THIS PLAN IF MORE THAN 1320 GALLONS OF PETROLEUM IS STORED ONSITE (THIS INCLUDES CAPACITIES FOR EQUIPMENT) OR IF ANY ONE PIECE OF EQUIPMENT HAS A COUNTERMEASURES PLAN PREPARED BY THAT LICENSED PROFESSIONAL.

FOR SPILLS THAT IMPACT SURFACE WATER (LEAVE A SHEEN ON SURFACE WATER), THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-424-8802.

FOR SPILLS OF AN UNKNOWN AMOUNT, THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-424-8802.

FOR SPILLS GREATER THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE GEORGIA ENVIRONMENTAL PROTECTION DIVISION (EPD) WILL BE CONTACTED WITHIN 24 HOURS.

FOR SPILLS LESS THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE SPILL WILL BE CLEANED UP AND LOCAL AGENCIES WILL BE CONTACTED AS REQUIRED.

SEVEN DAY INSPECTION

THE PRIMARY PERMITTEE MUST RETAIN THE DESIGN PROFESSIONAL WHO PREPARED THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, EXCEPT WHEN THE PRIMARY PERMITTEE HAS REQUESTED IN WRITING AND EPD HAS AGREED TO AN ALTERNATE DESIGN PROFESSIONAL, TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMP'S WHICH THE DESIGN PROFESSIONAL DESIGNED WITHIN SEVEN (7) DAYS AFTER INSTALLATION. THE DESIGN PROFESSIONAL SHALL DETERMINE IF THESE BMP'S HAVE BEEN INSTALLED AND ARE BEING MAINTAINED AS DESIGNED. THE DESIGN PROFESSIONAL SHALL REPORT THE RESULTS OF THE INSPECTION TO THE PRIMARY PERMITTEE WITHIN SEVEN (7) DAYS AND THE PERMITTEE MUST CORRECT ALL DEFICIENCIES WITHIN TWO (2) BUSINESS DAYS OF RECEIPT OF THE INSPECTION REPORT FROM THE DESIGN PROFESSIONAL UNLESS WEATHER RELATED SITE CONDITIONS ARE SUCH THAT ADDITIONAL TIME IS REQUIRED.

REVISIONS / AMENDMENTS

THE PRIMARY PERMITTEE SHALL AMEND/REVISE THIS PLAN WHENEVER THERE IS A CHANGE IN DESIGN, CONSTRUCTION, OPERATION, OR MAINTENANCE, WHICH HAS A SIGNIFICANT EFFECT ON BMP'S WITH A HYDRAULIC COMPONENT (i.e. THOSE BMP'S WHERE THE DESIGN IS BASIED UPON RAINFALL INTENSITY, DURATION, AND RETURN FREQUENCY OF STORMS) OR IR THE PLAN PROVES TO BE INEFFECTIVE IN ELIMENATING OR SIGNIFICANTLY MINIMIZING POLLUTANTS IN RUNOFF. AMENDMENTS/REVISIONS MUST BE CERTIFIED BY A DESIGN PROFESSIONAL. REVISIONS MUST ALSO BE SUBMITTED THROUGH THE BUREAU OF BUILDINGS (3RD FLOOR - CITY HALL SOUTH) FOR APPROPRIATE REVIEW AND APPROVAL.

SANITARY WASTES

A MINIMUM OF ONE PORTABLE SANITARY UNIT WILL BE PROVIDED FOR EVERY TEN (10) WORKERS ON THE SITE. ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS A MINIMUM OF ONE TIME PER WEEK BY A LICENSED PORTABLE FACILITY PROVIDER IN COMPLETE COMPLIANCE WITH LOCAL AND STATE REGULATIONS.

ALL SANITARY WASTE UNITS WILL BE LOCATED IN AN AREA WHERE THE LIKELIHOOD OF THE UNIT CONTRIBUTING TO STORM WATER DISCHARGE IS NEGLIGIBLE. ADDITIONAL CONTAINMENT BMP'S MUST BE IMPLEMENTED, SUCH AS GRAVEL BAGS OR SPECIALLY DESIGNED PLASTIC SKID CONTAINERS AROUND THE BASE, TO PREVENT WASTES FROM CONTRIBUTING TO STORMWATER DISCHARGES. THE LOCATION OF SANITARY WASTE UNITS MUST BE IDENTIFIED ON THE EROSION CONTROL PLAN INTERMEDIATE PHASE BY THE CONTRACTOR ONCE THE LOCATIONS HAVE BEEN DETERMINED.

CONNECTION TO CITY OF ATLANTA'S SANITARY SEWER SYSTEM WILL BE MADE ONCE INFRASTRUCTURE AND APPURTENANCES ARE INSTALLED PER UTILITY PLAN. THE SANITARY SEWER INSTALLATION SHALL INCLUDE AN INTERNAL TELEVISION INSPECTION, A SUCCESSFUL MANDREL PULL, AND A SUCCESSFUL LEAK-DOWN PRESSURE TEST.

SAMPLING REQUIREMENTS

THE NPDES PERMIT REQUIRES THE MONITORING OF NEPHELOMETRIC TURBIDITY IN RECEIVING WATER(S) OR OUTFALLS IN ACCORDANCE WITH THIS PERMIT. THIS PARAGRAPH SHALL NOT APPLY TO ANY LAND DISTURBANCE ASSOCIATED WITH THE CONSTRUCTION OF SINGLE-FAMILY HOMES WHICH ARE NOT PART OF A SUBDIVISION OR PLANNED COMMON DEVELOPMENT UNLESS FIVE (5) ACRES OR MORE WILL BE DISTURBED. THE FOLLOWING PROCEDURES CONSTITUTE EPD'S GUIDELINES FOR SAMPLING TURBIDITY.

NOTE: SAMPLING REQUIREMENTS SHALL INCLUDE THE FOLLOWING:

(1) A USGS TOPOGRAPHIC MAP, A TOPOGRAPHIC MAP OR A DRAWING (REFERRED TO AS A TOPOGRAPHIC MAP) THAT IS A SCALE EQUAL TO OR MORE DETAILED THAN A 1:24000 MAP SHOWING THE LOCATION OF THE SITE OR THE STAND ALONE CONSTRUCTION; (A) THE LOCATION OF ALL PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES AS SHOWN ON A USGS TOPOGRAPHIC MAP, AND ALL OTHER PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES LOCATED DURING MANDATORY FIELD VERIFICATION, INTO WHICH THE STORM WATER IS DISCHARGED AND (B) THE RECEIVING WATER AND/OR OUTFALL SAMPLING LOCATIONS. WHEN THE PERMITTEE HAS CHOSEN TO USE A USGS TOPOGRAPHIC MAP AND THE RECEIVING WATER(S) IS NOT SHOWN ON THE USGS TOPOGRAPHIC MAP, THE LOCATION OF THE RECEIVING WATER(S) MUST BE HAND-DRAWN ON THE USGS TOPOGRAPHIC MAP FROM WHERE THE STORM WATER(S) ENTERS THE RECEIVING WATER(S) TO THE POINT WHERE THE RECEIVING WATER(S) COMBINES WITH THE FIRST BLUE LINE STREAM SHOWN ON THE USGS TOPOGRAPHIC MAP;

(2). A WRITTEN NARRATIVE OF SITE SPECIFIC ANALYTICAL METHODS USED TO COLLECT, HANDLE AND ANALYZE THE SAMPLES INCLUDING QUALITY CONTROL/QUALITY ASSURANCE PROCEDURES. THIS NARRATIVE MUST INCLUDE PRECISE SAMPLING METHODOLOGY FOR EACH SAMPLING LOCATION;

(3). WHEN THE PERMITTEE HAS DETERMINED THAT SOME OR ALL OUTFALLS WILL BE MONITORED, A RATIONALE MUST BE INCLUDED FOR THE NTU LIMIT(S) SELECTED FROM APPENDIX B. THIS RATIONALE MUST INCLUDE THE SIZE OF THE CONSTRUCTION SITE, THE CALCULATION OF THE SIZE OF THE SURFACE WATER DRAINAGE AREA, AND THE TYPE OF RECEIVING WATER(S) (I.E., TROUT STREAM OR SUPPORTING WARM WATER FISHERIES); AND

(4). ANY ADDITIONAL INFORMATION EPD DETERMINES NECESSARY TO BE PART OF THE PLAN, EPD WILL PROVIDE WRITTEN NOTICE TO THE PERMITTEE OF THE INFORMATION NECESSARY AND THE TIME LINE FOR SUBMITTAL.

SAMPLE TYPE

ALL SAMPLING SHALL BE COLLECTED BY "GRAB SAMPLES" AND THE ANALYSIS OF THESE SAMPLES MUST BE CONDUCTED IN ACCORDANCE WITH METHODOLOGY AND TEST PROCEDURES ESTABLISHED BY 40 CFR PART 136 (UNLESS OTHER TEST PROCEDURES HAVE BEEN APPROVED); THE GUIDANCE DOCUMENT TITLED "NPDES STORM WATER SAMPLING GUIDANCE DOCUMENT, EPA 833-B-92-001" AND GUIDANCE DOCUMENTS THAT MAY BE PREPARED BY THE EPD.

(1). SAMPLE CONTAINERS SHOULD BE LABELED PRIOR TO COLLECTING THE SAMPLES.

(2). SAMPLES SHOULD BE WELL MIXED BEFORE TRANSFERRING TO A SECONDARY CONTAINER.

(3). LARGE MOUTH, WELL CLEANED AND RINSED GLASS OR PLASTIC JARS SHOULD BE USED FOR COLLECTING SAMPLES. THE JARS SHOULD BE CLEANED THOROUGHLY TO AVOID CONTAMINATION.

(4). MANUAL, AUTOMATIC OR RISING STAGE SAMPLING MAY BE UTILIZED. SAMPLES REQUIRED BY THIS PERMIT SHOULD BE ANALYZED IMMEDIATELY, BUT IN NO CASE LATER THAN 48 HOURS AFTER COLLECTION. HOWEVER, SAMPLES FROM AUTOMATIC SAMPLERS MUST BE COLLECTED NO LATER THAN THE NEXT BUSINESS DAY AFTER THEIR ACCUMULATION, UNLESS FLOW THROUGH AUTOMATED ANALYSIS IS UTILIZED. DILUTION OF SAMPLES IS NOT REQUIRED. SAMPLES MAY BE ANALYZED DIRECTLY WITH A PROPERLY CALIBRATED TURBIDIMETER. SAMPLES ARE NOT REQUIRED TO BE COOLED.

(5). SAMPLING AND ANALYSIS OF THE RECEIVING WATER(S) OR OUTFALLS BEYOND THE MINIMUM FREQUENCY STATED IN THIS PERMIT MUST BE REPORTED TO EPD AS SPECIFIED IN PART IV.E.

SAMPLING POINTS

FOR CONSTRUCTION ACTIVITIES THE PRIMARY PERMITTEE MUST SAMPLE ALL RECEIVING WATER(S), OR ALL OUTFALL(S), OR A COMBINATION OF RECEIVING WATER(S) AND OUTFALL(S). SAMPLES TAKEN FOR THE PURPOSE OF COMPLIANCE WITH THIS PERMIT SHALL BE REPRESENTATIVE OF THE MONITORED ACTIVITY AND REPRESENTATIVE OF THE WATER QUALITY OF THE RECEIVING WATER(S) AND/OR THE STORM WATER OUTFALLS USING THE FOLLOWING MINIMUM GUIDELINES:

(A). THE UPSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN IMMEDIATELY UPSTREAM OF THE CONFLUENCE OF THE FIRST STORM WATER DISCHARGE FROM THE PERMITTED ACTIVITY (i.e. THE DISCHARGE FARTHEST UPSTREAM AT THE SITE) BUT DOWNSTREAM OF ANY OTHER STORM WATER DISCHARGES NOT ASSOCIATED WITH THE PERMITTED ACTIVITY. WHERE APPROPRIATE, SEVERAL UPSTREAM SAMPLES FROM ACROSS THE RECEIVING WATER(S) MAY NEED TO BE TAKEN AND THE ARITHMETIC AVERAGE OF THE TURBIDITY OF THESE SAMPLES USED FOR THE UPSTREAM TURBIDITY VALUE.

(B). THE DOWNSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN DOWNSTREAM OF THE CONFLUENCE OF THE LAST STORM WATER DISCHARGE FROM THE PERMITTED ACTIVITY (I.E., THE DISCHARGE FARTHEST DOWNSTREAM AT THE SITE) BUT UPSTREAM OF ANY OTHER STORM WATER DISCHARGE NOT ASSOCIATED WITH THE PERMITTED ACTIVITY. WHERE APPROPRIATE, SEVERAL DOWNSTREAM SAMPLES FROM ACROSS THE RECEIVING WATER(S) MAY NEED TO BE TAKEN AND THE ARITHMETIC AVERAGE OF THE TURBIDITY OF THESE SAMPLES USED FOR THE DOWNSTREAM TURBIDITY VALUE.

(C). IDEALLY THE SAMPLES SHOULD BE TAKEN FROM THE HORIZONTAL AND VERTICAL CENTER OF THE RECEIVING WATER(S) OR THE STORM WATER OUTFALL CHANNEL(S).

(D). CARE SHOULD BE TAKEN TO AVOID STIRRING THE BOTTOM SEDIMENTS IN THE RECEIVING WATER(S) OR IN THE OUTFALL STORM WATER CHANNEL.

(E). THE SAMPLING CONTAINER SHOULD BE HELD SO THAT THE OPENING FACES UPSTREAM.

(F). THE SAMPLES SHOULD BE KEPT FREE FROM FLOATING DEBRIS.

(G). PERMITTEES DO NOT HAVE TO SAMPLE SHEETFLOW THAT FLOWS ONTO UNDISTURBED NATURAL AREAS OR AREAS STABILIZED BY THE PROJECT. FOR PURPOSES OF THIS SECTION, STABILIZED SHALL MEAN, FOR UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES AND AREAS LOCATED OUTSIDE THE WASTE DISPOSAL LIMITS OF A LANDFILL CELL THAT HAS BEEN CERTIFIED BY EPD FOR WASTE DISPOSAL, 100% OF THE SOIL SURFACE IS UNIFORMLY COVERED IN PERMANENT VEGETATION WITH A DENSITY OF 70% OR GREATER, OR EQUIVALENT PERMANENT STABILIZATION MEASURES (SUCH AS THE USE OF RIP RAP, GABIONS, PERMANENT MULCHES OR GEOTEXTILES) HAVE BEEN USED. PERMANENT VEGETATION SHALL CONSIST OF: PLANTED TREES, SHRUBS, PERENNIAL VINES; A CROP OF PERENNIAL VEGETATION APPROPRIATE FOR THE TIME OF YEAR AND REGION; OR A CROP OF ANNUAL VEGETATION AND SEEDING OF TARGET CROP PERENNIALS APPROPRIATE FOR THE REGION. FINAL STABILIZATION APPLIES TO EACH PHASE OF CONSTRUCTION.

(H). ALL SAMPLING PURSUANT TO THIS PERMIT MUST BE DONE IN SUCH A WAY (INCLUDING GENERALLY ACCEPTED SAMPLING METHODS, LOCATIONS, TIMING, AND FREQUENCY) AS TO ACCURATELY REFLECT WHETHER STORM WATER RUNOFF FROM THE CONSTRUCTION SITE IS IN COMPLIANCE WITH THE STANDARD SET FORTH IN PARTS III.D.3. OR III.D.4.., WHICHEVER IS APPLICABLE.

SAMPLING FREQUENCY

(1). THE PRIMARY PERMITTEE MUST SAMPLE IN ACCORDANCE WITH THE PLAN AT LEAST ONCE FOR EACH RAINFALL EVENT DESCRIBED BELOW. FOR A QUALIFYING EVENT, SAMPLES MUST BE TAKEN WITHIN FORTY-FIVE (45) MINUTES OF:

(A) THE ACCUMULATION OF THE MINIMUM AMOUNT OF RAINFALL FOR THE QUALIFYING EVENT, IF THE STORM WATER DISCHARGE TO A MONITORED RECEIVING WATER OR FROM A MONITORED OUTFALL HAS BEGUN AT OR PRIOR TO THE ACCUMULATION, OR

(B) THE BEGINNING OF ANY STORM WATER DISCHARGE TO A MONITORED RECEIVING WATER OR FROM A MONITORED OUTFALL, IF THE DISCHARGE BEGINS AFTER THE ACCUMULATION OF THE MINIMUM AMOUNT OF RAINFALL FOR THE QUALIFYING EVENT.

(2). HOWEVER, WHERE MANUAL AND AUTOMATIC SAMPLING ARE IMPOSSIBLE (AS DEFINED IN THIS PERMIT), OR ARE BEYOND THE PERMITTEE'S CONTROL, THE PERMITTEE SHALL TAKE SAMPLES AS SOON AS POSSIBLE, BUT IN NO CASE MORE THAN TWELVE (12) HOURS AFTER THE BEGINNING OF THE STORM WATER DISCHARGE.

(3). SAMPLING BY THE PERMITTEE SHALL OCCUR FOR THE FOLLOWING EVENTS:

(A). FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING STREAM, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH AND ALLOWS FOR MONITORING DURING NORMAL BUSINESS HOURS* (MONDAY THRU FRIDAY, 8:00 AM TO 5:00 PM AND SATURDAY 8:00 AM TO 5:00 PM, EXCLUDING ALL NON-WORKING FEDERAL HOLIDAYS, WHEN CONSTRUCTION ACTIVITY IS BEING CONDUCTED BY THE PRIMARY PERMITTEE) THAT OCCURS AFTER ALL CLEARING AND GRUBBING OPERATIONS HAVE BEEN COMPLETED IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE SAMPLING LOCATION;

(B). IN ADDITION TO (A) ABOVE, FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING STREAM, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH AND ALLOWS FOR MONITORING DURING NORMAL BUSINESS HOURS* THAT OCCURS EITHER 90 DAYS AFTER THE FIRST SAMPLING EVENT OR AFTER ALL MASS GRADING OPERATIONS HAVE BEEN COMPLETED IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE SAMPLING LOCATION, WHICHEVER COMES FIRST;

(C). AT THE TIME OF SAMPLING PERFORMED PURSUANT TO (A) AND (B) ABOVE, IF BMPS ARE FOUND TO BE PROPERLY DESIGNED, INSTALLED AND MAINTAINED, NO FURTHER ACTION IS REQUIRED. IF BMPS IN ANY AREA OF THE SITE THAT DISCHARGES TO A RECEIVING STREAM ARE NOT PROPERLY DESIGNED, INSTALLED AND MAINTAINED, CORRECTIVE ACTION SHALL BE DEFINED AND IMPLEMENTED WITHIN TWO (2) BUSINESS DAYS, AND TURBIDITY SAMPLES SHALL BE TAKEN FROM DISCHARGES FROM THAT AREA OF THE SITE FOR EACH SUBSEQUENT RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH DURING NORMAL BUSINESS HOURS* UNTIL THE SELECTED TURBIDITY STANDARD IS ATTAINED, OR UNTIL POST-STORM EVENT INSPECTIONS DETERMINE THAT BMPS ARE PROPERLY DESIGNED, INSTALLED AND MAINTAINED; AND

(D). EXISTING CONSTRUCTION ACTIVITIES, I.E., THOSE THAT ARE OCCURRING ON OR BEFORE THE EFFECTIVE DATE OF THIS PERMIT, THAT HAVE MET THE SAMPLING REQUIRED BY (A) ABOVE SHALL SAMPLE IN ACCORDANCE WITH (B). THOSE EXISTING CONSTRUCTION ACTIVITIES THAT HAVE MET THE SAMPLING REQUIRED BY (B) ABOVE SHALL NOT BE REQUIRED TO CONDUCT ADDITIONAL SAMPLING OTHER THAN AS REQUIRED BY (C) ABOVE.

*NOTE THAT THE PERMITTEE MAY CHOOSE TO MEET THE REQUIREMENTS OF (A) AND (B) ABOVE BY COLLECTING TURBIDITY SAMPLES FROM ANY RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH AND ALLOWS FOR MONITORING AT ANY TIME OF THE DAY OR WEEK.

REPORTING

1. THE APPLICABLE PERMITTEES ARE REQUIRED TO SUBMIT A SUMMARY OF THE MONITORING RESULTS TO THE EPD AT THE ADDRESS SHOWN IN PART II.C. OF THE NPDES PERMIT BY THE FIFTEENTH DAY OF THE MONTH FOLLOWING THE REPORTING PERIOD. REPORTING PERIODS ARE MONTHS DURING WHICH SAMPLES ARE TAKEN IN ACCORDANCE WITH THIS PERMIT. SAMPLING RESULTS SHALL BE IN A CLEARLY LEGIBLE FORMAT. UPON WRITTEN NOTIFICATION, EPD MAY REQUIRE THE APPLICABLE PERMITTEE TO SUBMIT THE SAMPLING RESULTS ON A MORE FREQUENT BASIS. SAMPLING AND ANALYSIS OF ANY STORM WATER DISCHARGE(S) OR THE RECEIVING WATER(S) BEYOND THE MINIMUM FREQUENCY STATED IN THIS PERMIT MUST BE REPORTED IN A SIMILAR MANNER TO THE EPD. THE SAMPLING REPORTS MUST BE SIGNED IN ACCORDANCE WITH PART V.G. SAMPLING REPORTS MUST BE SUBMITTED TO EPD UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI.

2. ALL WRITTEN CORRESPONDENCE REQUIRED BY THIS PERMIT SHALL BE SUBMITTED BY RETURN RECEIPT CERTIFIED MAIL (OR SIMILAR SERVICE) TO THE APPROPRIATE DISTRICT OFFICE OF THE EPD ACCORDING TO THE SCHEDULE IN APPENDIX A OF THIS PERMIT. THE PERMITTEE SHALL RETAIN A COPY OF THE PROOF OF SUBMITTAL AT THE CONSTRUCTION SITE OR THE PROOF OF SUBMITTAL SHALL BE READILY AVAILABLE AT A DESIGNATED LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI.

3. ALL MONITORING RESULTS SHALL INCLUDE THE FOLLOWING INFORMATION:

A. THE DATE, EXACT PLACE, AND TIME OF SAMPLING OR MEASUREMENTS;

B. THE NAME(S) OF THE INDIVIDUAL(S) WHO PERFORMED THE SAMPLING AND MEASUREMENTS;

C. THE DATE(S) ANALYSES WERE PERFORMED;

D. THE TIME(S) ANALYSES WERE INITIATED;

E. THE NAME(S) OF THE INDIVIDUAL(S) WHO PERFORMED THE ANALYSES;

F. REFERENCES AND WRITTEN PROCEDURES, WHEN AVAILABLE, FOR THE ANALYTICAL TECHNIQUES OR METHODS USED; AND

G. THE RESULTS OF SUCH ANALYSES, INCLUDING THE BENCH SHEETS, INSTRUMENT READOUTS, COMPUTER DISKS OR TAPES, ETC., USED TO DETERMINE THESE RESULTS.

H. RESULTS WHICH EXCEED 1000 NTU SHALL BE REPORTED AS "EXCEEDS 1000 NTU."

INSPECTIONS

PERMITTEE REQUIREMENTS

(1). EACH DAY WHEN ANY TYPE OF CONSTRUCTION ACTIVITY HAS TAKEN PLACE AT A PRIMARY PERMITTEE'S SITE, CERTIFIED PERSONNEL PROVIDED BY THE PRIMARY PERMITTEE SHALL INSPECT:

(A) ALL AREAS AT THE PRIMARY PERMITTEE'S SITE WHERE PETROLEUM PRODUCTS ARE STORED, USED, OR HANDLED FOR SPILLS AND LEAKS FROM VEHICLES AND EQUIPMENT;

(B) ALL LOCATIONS AT THE PRIMARY PERMITTEE'S SITE WHERE VEHICLES ENTER OR EXIT THE SITE FOR EVIDENCE OF OFF-SITE SEDIMENT TRACKING; AND

(C) MEASURE RAINFALL ONCE EACH 24 HOUR PERIOD AT THE SITE, EXCEPT ANY NON-WORKING SATURDAY, NON-WORKING SUNDAY, AND NON-WORKING FEDERAL HOLIDAY. THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.

(2). CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT THE FOLLOWING AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES RAINFALL OR GREATER (UNLESS SUCH STORM ENDS AFTER 5:00 PM ON ANY FRIDAY OR ON ANY NON-WORKING SATURDAY, NON-WORKING SUNDAY OR ANY NON-WORKING FEDERAL HOLIDAY IN WHICH CASE THE INSPECTION SHALL BE COMPLETED BY THE END OF THE NEXT BUSINESS DAY AND/OR WORKING DAY, WHICHEVER OCCURS FIRST);

(A) DISTURBED AREAS OF THE PRIMARY PERMITTEE'S CONSTRUCTION SITE THAT HAVE NOT UNDERGONE FINAL STABILIZATION;

(B) AREAS USED BY THE PRIMARY PERMITTEE FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION THAT HAVE NOT UNDERGONE FINAL STABILIZATION; AND

(C) STRUCTURAL CONTROL MEASURES.

EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN APPLICABLE TO THE PRIMARY PERMITTEE'S SITE SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATER(S). FOR AREAS OF A SITE THAT HAVE UNDERGONE FINAL STABILIZATION, THE PERMITTEE MUST COMPLY WITH PART IV.D.4.A.(3). THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.

(3). CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT AT LEAST ONCE PER MONTH DURING THE TERM OF THIS PERMIT (I.E., UNTIL A NOTICE OF TERMINATION IS RECEIVED BY EPD) THE AREAS OF THE SITE THAT HAVE UNDERGONE FINAL STABILIZATION. THESE AREAS SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM AND THE RECEIVING WATER(S). EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATER(S).

(4). BASED ON THE RESULTS OF EACH INSPECTION, THE SITE DESCRIPTION AND THE POLLUTION PREVENTION AND CONTROL MEASURES IDENTIFIED IN THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, THE PLAN SHALL BE REVISED AS APPROPRIATE NOT LATER THAN SEVEN (7) CALENDAR DAYS FOLLOWING EACH INSPECTION. IMPLEMENTATION OF SUCH CHANGES SHALL BE MADE AS SOON AS PRACTICAL BUT IN NO CASE LATER THAN SEVEN (7) CALENDAR DAYS FOLLOWING EACH INSPECTION.

(5). A REPORT OF EACH INSPECTION THAT INCLUDES THE NAME(S) OF PERSONNEL MAKING EACH INSPECTION, THE DATE(S) OF EACH INSPECTION, MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, AND ACTIONS TAKEN IN ACCORDANCE WITH PART IV.D.4.A.(4). OF THE PERMIT SHALL BE MADE AND RETAINED AT THE SITE OR BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION UNTIL THE ENTIRE SITE OR THAT PORTION OF A CONSTRUCTION PROJECT THAT HAS BEEN PHASED HAS UNDERGONE FINAL STABILIZATION AND A NOTICE OF TERMINATION IS SUBMITTED TO EPD. SUCH REPORTS SHALL IDENTIFY ANY INCIDENTS OF NON-COMPLIANCE. WHERE THE REPORT DOES NOT IDENTIFY ANY INCIDENTS OF NON-COMPLIANCE, THE REPORT SHALL CONTAIN A CERTIFICATION THAT THE PERMITTEE IS IN COMPLIANCE WITH THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN AND THIS PERMIT. THE REPORT SHALL BE SIGNED IN ACCORDANCE WITH PART V.G. OF THIS PERMIT.

NOTICE OF TERMINATION (NOT) SUBMITTAL

NOTICE OF TERMINATION, SIGNED IN ACCORDANCE WITH PART V.G. OF THE NPDES PERMIT, MUST BE SUBMITTED FOR CONSTRUCTION ACTIVITIES, BY THE PERMITTEE WHERE THE ENTIRE STAND ALONE DEVELOPMENT HAS UNDERGONE FINAL STABILIZATION AND ALL STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY THAT ARE AUTHORIZED BY THIS PERMIT HAVE CEASED. FOR CONSTRUCTION ACTIVITIES WHERE THE PRIMARY PERMITTEE HAS ELECTED TO SUBMIT NOIS FOR SEPARATE PHASES OF THE STAND ALONE DEVELOPMENT, THE PHASE OR PHASES OF THE STAND ALONE DEVELOPMENT ON THE NOT SHALL CORRESPOND TO THE PHASE OR PHASES ON THE NOI AND SHALL HAVE UNDERGONE FINAL STABILIZATION AND ALL STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY THAT ARE AUTHORIZ

Revised June 2015

For Official Use Only

NOTICE OF INTENT

VERSION June 2015

State of Georgia
Department of Natural Resources
Environmental Protection Division

For Coverage Under the 2013 Re-Issuance of the NPDES General Permits To Discharge Storm Water Associated With Construction Activity

THESE PERMITS EXPIRE JULY 31, 2018

PRIMARY PERMITTEE

****Instructions for this form are included on Page 6.****

NOTICE OF INTENT (Check Only One):

○ Initial Notification - (New Facility/Construction Site)

○ Change of Information - (Existing Facility/Construction Site)

COVERAGE DESIRED (Select Only One):

○ GAR 100001 Stand Alone
○ GAR 100002 Infrastructure
○ GAR 100003 Common Development

I. SITE/OWNER/OPERATOR INFORMATION

Project Construction Site Name: _____

For **GAR100001 Stand Alone** or **GAR 100003 Common Development** Project, enter GPS Location of the Construction Site Entrance:
To convert to Decimal Degrees, **please see http://www.fcc.gov/encyclopedia/degrees-minutes-seconds-to-from-decimal-degrees**

Latitude (Dec Deg) _____ Longitude (Dec Deg) _____

For **GAR100002 Infrastructure** Project, enter GPS Location of the Beginning and End of the Infrastructure Project including:

Latitude _____ Longitude _____

Latitude _____ Longitude _____

Construction Location (e.g., *street address*): _____

Page 1

Revised September 2013

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NOTICE OF TERMINATION

VERSION 2013

State of Georgia
Department of Natural Resources
Environmental Protection Division

To Cease Coverage Under the NPDES General Permits To Discharge Storm Water Associated With Construction Activity

THESE PERMITS EXPIRE JULY 31, 2018

I.

PERMIT TYPE *(Check Only One):*

GAR100001 - *Stand Alone*
GAR100002 – *Infrastructure*
GAR100003 - *Common Development*

PERMITTEE TYPE *(Check Only One and Complete):*

Primary Permittee

Number of Secondary Permittees *(applicable only to General NPDES Permit No. GAR100003)*: _____

Secondary Permittee *(applicable only to General NPDES Permit No. GAR100003)*

Primary Permittee's Name: _____ Phone: _____

Email Address: _____

Address: _____ City: _____ State: ___ Zip Code: _____

Tertiary Permittee *(applicable only to General NPDES Permit No. GAR100003)*

Primary Permittee's Name *(if available)*: _____ Phone: _____

Email Address: _____

Address: _____ City: _____ State: ___ Zip Code: _____

Page 1

SCAN AND INSERT COPY OF COMPLETED AND SIGNED FORM

NOI PAGE 3.jpg

NOTICE OF INTENT (NOI)

NOTICE OF INTENT NOTES:

1. CONTRACTOR SHALL AFFIX THE COMPLETED NOI TO THIS SHEET AS APPROVED BY ISSUING AUTHORITY.

24 HOUR EROSION CONTROL CONTACT
NAME: STEVE ORTMAN
ADDRESS: 300 CHURCHILL COURT
WOODSTOCK, GA 30188
PHONE #: 404-427-3872

GSWCC — Georgia Soil and Water Conservation Commission

Susan U. Major
Level II Certified Design Professional
Certification Number **0000028288**
Issued: **12/15/2015** Expires: **12/15/2018**

GSWCC EROSION, SEDIMENTATION, AND POLLUTION CONTROL CHECKLIST FOR STAND ALONE CONSTRUCTION PROJECTS

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST
STAND ALONE CONSTRUCTION PROJECTS

SWCD: FULTON COUNTY

Project Name: UPPER PROCTOR CREEK CAPACITY RELIEF PROJ. **Address:** 310 VINE STREET
City/County: ATLANTA/FULTON **Date on Plans:** 10/2/2017

TO BE SHOWN ON ES&PC PLAN

Plan Page #	Included Y/N		
ECF-007	Y	1	The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of January 1 of the year in which the land-disturbing activity was permitted. (The completed Checklist must be submitted with the ES&PC Plan or the Plan will not be reviewed)
ECF-000	Y	2	Level II certification number issued by the Commission, signature and seal of the certified design professional. (Signature, seal and Level II number must be on each sheet pertaining to ES&PC plan or the Plan will not be reviewed)
N/A	N/A	3	Limits of disturbance shall be no greater than 50 acres at any one time without prior written authorization from the EPD District Office. If EPD approves the request to disturb 50 acres or more at any one time, the plan must include at least 4 of the BMPs listed in Appendix 1 of this checklist.* (A copy of the written approval by EPD must be attached to the plan for the plan to be reviewed.)
ECF-000	Y	4	The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution controls.
ECF-000	Y	5	Provide the name, address and phone number of primary permittee.
ECF-000	Y	6	Note total and disturbed acreage of the project or phase under construction.
ECF-001	Y	7	Provide the GPS location of the construction exit for the site. Give the Latitude and Longitude in decimal degrees.
ECF-000	Y	8	Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.
ECF-006	Y	9	Description of the nature of construction activity.
ECF-000	Y	10	Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.
ECF-005	Y	11	Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected.
ECF-000	Y	12	Design professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as stated on page 15 of the permit.
ECF-000	Y	13	Design professional's certification statement and signature that the permittee's ES&PC Plan provides for an appropriate and comprehensive system of BMPs and sampling to meet permit requirements as stated on page 15 of the permit.*
ECF-004	Y	14	Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect the installation of the initial sediment storage requirements and perimeter control BMPs within 7 days after installation."*
N/A	N/A	15	Clearly note the statement that "Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream buffers as measured from the point of wrested vegetation or within 25-feet of the coastal marshland buffer as measured from the Jurisdictional Determination Line without first acquiring the necessary variances and permits."*
N/A	N/A	16	Provide a description of any buffer encroachments and indicate whether a buffer variance is required.
ECF-001, 002A, 002B, 003	Y	35	A description of appropriate controls and measures that will be implemented at the construction site including: (1) Initial sediment storage requirements and perimeter control BMPs, (2) Intermediate grading and drainage BMPs, and (3) final BMPs. For construction sites where there will be no mass grading and the initial perimeter control BMPs, intermediate grading and drainage BMPs, and final BMPs are the same, the plan may combine all of the BMPs into a single phase.*
ECF-001, 002A, 002B, 003	Y	36	Graphic scale and North arrow.
ECF-001, 002A, 002B, 003	Y	37	Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following:
N/A	N/A	38	Use of alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as certified by a Design Professional (unless disapproved by EPD or the Georgia Soil and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document found at www.gaswcc.org.
N/A	N/A	39	Use of alternative BMP for application to the Equivalent BMP List. Please refer to Appendix A-2 of the Manual for Erosion & Sediment Control in Georgia 2016 Edition.*
N/A	N/A	40	Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to state waters and any additional buffers required by the Local Issuing Authority. Clearly note and delineate all areas of impact.
N/A	N/A	41	Delineation of on-site wetlands and all state waters located on and within 200 feet of the project site.
C-105A	Y	42	Delineation and acreage of contributing drainage basins on the project site.
N/A	N/A	43	Provide hydrology study and maps of drainage basins for both the pre- and post-developed conditions.*
ECF-006	Y	44	An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed.
N/A	Y	45	Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points.
ECF-000	Y	46	Soil series for the project site and their delineation.
ECF-001, 002A, 002B, 003	Y	47	The limits of disturbance for each phase of construction.

Map Scale	Ground Slope	Contour Intervals, ft.
1 inch = 100ft or larger scale	Flat 0 - 2%	0.5 or 1
	Rolling 2 - 8%	1 or 2
	Steep 8% +	2.5 or 10

Plan Page #	Included Y/N		
ECF-004	Y	17	Clearly note the statement that "Amendments/revisions to the ES&PC Plan which have a significant effect on BMPs with a hydraulic component must be certified by the design professional."*
ECF-000	Y	18	Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as authorized by a section 404 permit."*
ECF-000	Y	19	Clearly note statement that "The escape of sediment from the site shall be prevented by the installation of erosion and sediment control measures and practices prior to land disturbing activities."*
ECF-000	Y	20	Clearly note statement that "Erosion control measures will be maintained at all times. If full implementation of the approved plan does not provide for effective erosion control, additional erosion and sediment control measures shall be implemented to control or treat the sediment source."*
ECF-000	Y	21	Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding."*
N/A	N/A	22	Any construction activity which discharges storm water into an Impaired Stream Segment, or within 1 linear mile upstream of and within the same watershed as, any portion of an Biota Impaired Stream Segment must comply with Part III, C. of the Permit. Include the completed Appendix 1 listing all the BMPs that will be used for those areas of the site which discharge to the Impaired Stream Segment.*
N/A	N/A	23	If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segment (identified in item 22 above) at least six months prior to submittal of NOI, the ES&PC Plan must address any site-specific conditions or requirements included in the TMDL Implementation Plan.*
ECF-006	Y	24	BMPs for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Washout of the drum at the construction site is prohibited.*
ECF-006	Y	25	Provide BMPs for the remediation of all petroleum spills and leaks.
ECF-001, 002A, 002B, 003	Y	26	Description of the measures that will be installed during the construction process to control pollutants in storm water that will occur after construction operations have been completed.*
ECF-001, 002A, 002B, 003	Y	27	Description of the practices that will be used to reduce the pollutants in storm water discharges.*
ECF-001, 002A, 002B, 003	Y	28	Description and chart or timeline of the intended sequence of major activities which disturb soils for the major portions of the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, utility activities, temporary and final stabilization).
ECF-004	Y	29	Provide complete requirements of inspections and record keeping by the primary permittee.*
ECF-006	Y	30	Provide complete requirements of sampling frequency and reporting of sampling results.*
ECF-004	Y	31	Provide complete details for retention of records as per Part IV.F. of the permit.*
ECF-006	Y	32	Description of analytical methods to be used to collect and analyze the samples from each location.*
ECF-006	Y	33	Appendix B rationale for NTU values at all outfall sampling points where applicable.*
ECF-002A, 002B, 003	Y	34	Delineate all sampling locations, perennial and intermittent streams and other water bodies into which storm water is discharged.*
ECF-001, 002A, 002B	Y	48	Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin, retrofitted detention pond, and/or excavated inlet sediment traps for each common drainage location. Sediment storage volume must be in place prior to and during all land disturbance activities until final stabilization of the site has been achieved. A written justification explaining the decision to use equivalent controls when a sediment basin is not attainable must be included in the plan for each common drainage location in which a sediment basin is not provided. A written justification as to why 67 cubic yards of storage is not attainable must also be given. Worksheets from the Manual included for structural BMPs and all calculations used by the storage design professional to obtain the required sediment when using equivalent controls. When discharging from sediment basins and impoundments, permittees are required to utilize outlet structures that withdraw water from the surface, unless infeasible. If outlet structures that withdraw water from the surface are not feasible, a written justification explaining this decision must be included in the plan.
ECF-001, 002A, 002B, 003	Y	49	Location of Best Management Practices that are consistent with and no less stringent than the Manual for Erosion and Sediment Control in Georgia. Use uniform coding symbols from the Manual, Chapter 6, with legend.
ECF-008-012	Y	50	Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines set forth in the Manual for Erosion and Sediment Control in Georgia.
ECF-013-014	Y	51	Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of the year that seeding will take place and for the appropriate geographic region of Georgia.

*If using this checklist for a project that is less than 1 acre and not part of a common development but within 200 ft of a perennial stream the * checklist items would be N/A.* **Effective January 1, 2017**

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CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY
EROSION AND SEDIMENT CONTROL
STORMWATER POND
SCANNED DOCUMENTS SHEETS

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	10/2/2017

PROJECT NO: 7383-E
DESIGNED BY: SM
DRAWN BY: JC
CHECKED BY: DM
DATE: 10-2-2017
SCALE: NOTED

DRAWING NO.
ECF-007
SHEET OF

City of Atlanta Department of watershed management
JP2 5887 Glenridge Drive Suite 300 Atlanta, GA. 30328
Phone: 404.979.3300 Fax: 404.979.3310

ACAD Rel: 19.1s (LMS Tech)
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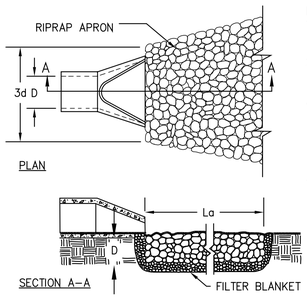
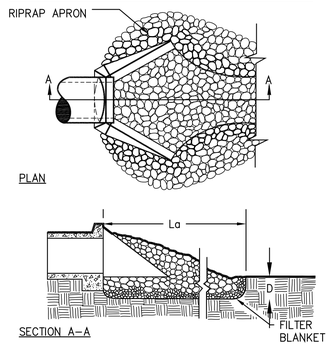
PIPE OUTLET TO FLAT AREA -- NO WELL DEFINED CHANNEL



NOTES:
1. La IS THE LENGTH OF THE RIPRAP APRON.
2. D = 1.5 TIMES THE MAXIMUM STONE DIAMETER BUT NOT LESSTHAN 6".
3. IN A WELL–DEFINED CHANNEL, EXTEND THE APRON UP THE CHANNEL BANKS TO AN ELEVATION OF 6" ABOVE THE MAXIMUM TAILWATER DEPTH OR TO THE TOP OF THE BANK (WHICHEVER IS LESS).
4. A FILTER BLANKET OR FILTER FABRIC SHOULD BE INSTALLED BETWEEN THE RIPRAP AND THE SOIL FOUNDATION.

PIPE OUTLET TO WELL DEFINED CHANNEL



St — RIP RAP OUTLET PROTECTION
N.T.S.

CONSTRUCTION SPECIFICATIONS
1. ENSURE THAT THE SUBGRADE FOR THE FILTER AND RIPRAP FOLLOWS THE REQUIRED LINES AND GRADES SHOWN IN THE PLAN. COMPACT ANY FILL REQUIRED IN THE SUBGRADE TO THE DENSITY OF THE SURROUNDING UNDISTURBED MATERIAL. LOW AREAS IN THE SUBGRADE ON UNDISTURBED SOIL MAY ALSO BE FILLED BY INCREASING THE RIPRAP THICKNESS.
2. THE RIPRAP AND GRAVEL FILTER MUST CONFORM TO THE SPECIFIED GRADING LIMITS SHOWN ON THE PLANS.
3. GEOTEXTILE MUST MEET DESIGN REQUIREMENTS AND BE PROPERLY PROTECTED FROM PUNCHING OR TEARING DURING INSTALLATION. REPAIR ANY DAMAGE BY REMOVING THE RIPRAP AND PLACING ANOTHER PIECE OF FILTER FABRIC OVER THE DAMAGED AREA. ALL CONNECTING JOINTS SHOULD OVERLAP A MINIMUM OF 1 FT. IF THE DAMAGE IS EXTENSIVE, REPLACE THE ENTIRE FILTER FABRIC.
4. RIPRAP MAY BE PLACED BY EQUIPMENT, BUT TAKE CARE TO AVOID DAMAGING THE FILTER FABRIC.
5. THE MINIMUM THICKNESS OF THE RIPRAP SHOULD BE 1.5 TIMES THE MAXIMUM STONE DIAMETER.
6. CONSTRUCT THE APRON ON ZERO GRADE WITH NO OVERFALL AT THE END. MAKE THE TOP OF THE RIPRAP AT THE DOWNSTREAM END LEVEL WITH THE RECEIVING AREA OR SLIGHTLY BELOW IT.
7. ENSURE THAT THE APRON IS PROPERLY ALIGNED WITH THE RECEIVING STREAM AND PREFERABLY STRAIGHT THROUGHOUT ITS LENGTH. IF A CURVE IS NEEDED TO FIT SITE CONDITIONS, PLACE IT IN THE UPPER SECTION OF THE APRON.
8. IMMEDIATELY AFTER CONSTRUCTION, STABILIZE ALL DISTURBED AREAS WITH VEGETATION.
9. STONE QUALITY – SELECT STONE FOR RIPRAP FROM FIELD STONE OR QUARRY STONE. THE STONE SHOULD BE HARD, ANGULAR, AND HIGHLY WEATHER–RESISTANT. THE SPECIFIC GRAVITY OF THE INDIVIDUAL STONES SHOULD BE AT LEAST 2.5.
10. FILTER – INSTALL A FILTER TO PREVENT SOIL MOVEMENT THROUGH THE OPENINGS IN THE RIPRAP. THE FILTER SHOULD CONSIST OF A GRADED GRAVEL LAYER OR A SYNTHETIC FILTER CLOTH. SEE APPENDIX C; P. C–1.

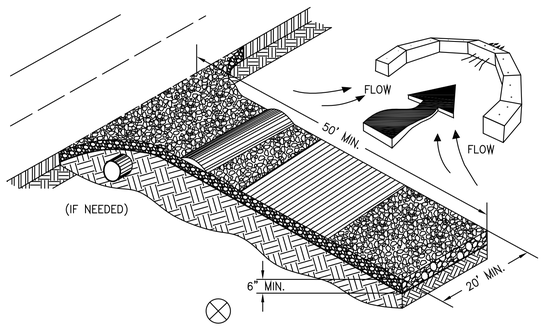
MAINTENANCE
INSPECT RIPRAP OUTLET STRUCTURES AFTER HEAVY RAINS TO SEE IF ANY EROSION AROUND OR BELOW THE RIPRAP HAS TAKEN PLACE OR IF STONES HAVE BEEN DISLODGED. IMMEDIATELY MAKE ALL NEEDED REPAIRS TO PREVENT FURTHER DAMAGE.

OUTLET PROTECTION St

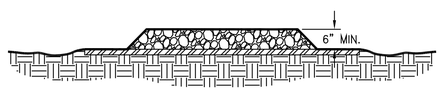
PIPE ID	25-YR, 24-HR. FLOW (CFS)	VELOCITY (FPS)	T.W. CONDITION	La (FT)	W1 (FT)	W2 (FT)	d50 (IN)	GDOT RIP RAP TYPE	D (IN)
BOONE 24" (WEST)	7		MIN.	13	6	15	5	3	18
BOONE 30" (EAST)	33		MIN.	16	7.5	18.5	6	3	18
WALNUT 48"	58	7.7	MIN.	26	12	30	11	1	36
THURMOND 42"	17	9.2	MIN.	22	10.5	25.5	10	1	36

St — RIP RAP OUTLET PROTECTION
N.T.S.

EXIT DIAGRAM



ENTRANCE ELEVATION



NOTES:
1. AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC ROADS.
2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE, AND CROWN FOR POSITIVE DRAINAGE.
3. AGGREGATE SIZE SHALL BE IN ACCORDANCE WITH NATIONAL STONE ASSOCIATION R–2 (1.5"–3.5" STONE).
4. GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6".
5. PAD WIDTH SHALL BE EQUAL FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN 20'.
6. A DIVERSION RIDGE SHOULD BE CONSTRUCTED WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2%.
7. INSTALL PIPE UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.
8. WHEN WASHING IS REQUIRED, IT SHOULD BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN (DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE ENTRANCE TO A SEDIMENT CONTROL DEVICE).
9. WASHRACKS AND/OR TIRE WASHERS MAY BE REQUIRED DEPENDING ON SCALE AND CIRCUMSTANCE. IF NECESSARY, WASHRACK DESIGN MAY CONSIST OF ANY MATERIAL SUITABLE FOR TRUCK TRAFFIC THAT REMOVE MUD AND DIRT.
10. MAINTAIN AREA IN A WAY THAT PREVENTS TRACKING AND/OR FLOW OF MUD ONTO PUBLIC RIGHTS–OF–WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.

Co — CRUSHED STONE CONSTRUCTION EXIT
N.T.S.

24 HOUR EROSION CONTROL CONTACT:
NAME: STEVE ORTMAN
ADDRESS: 300 CHURCHILL COURT
WOODSTOCK, GA 30188
PHONE #: 404-427-3872

GSWCC — Georgia Soil and Water Conservation Commission
Susan U. Major
Level II Certified Design Professional
Certification Number 0000028288
Issued: 12/15/2015 Expires: 12/15/2018

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GEORGIA — Registered — No. PE16710 — Professional Engineer — Susan U. Major

CITY OF ATLANTA DEPARTMENT OF watershed management
JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

EROSION AND SEDIMENT CONTROL
STORMWATER POND
ESPC STANDARD DETAILS

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	10/2/2017

PROJECT NO: 7383–E
DESIGNED BY: SM
DRAWN BY: JC
CHECKED BY: DM
DATE: 10-2-2017
SCALE: NOTED

DRAWING NO.
ECF-008

SHEET OF

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DESIGN CRITERIA FOR ALL Sd2 APPLICATIONS

MANY SEDIMENT FILTERING DEVICES CAN BE DESIGNED TO SERVE AS TEMPORARY SEDIMENT TRAPS. SEDIMENT TRAPS MUST BE SELF-DRAINING UNLESS THEY ARE OTHERWISE PROTECTED IN AN APPROVED FASHION THAT WILL NOT PRESENT A SAFETY HAZARD. **THE AREA DRAINING TO THE INLET SEDIMENT TRAP SHALL BE NO GREATER THAN ONE ACRE.**

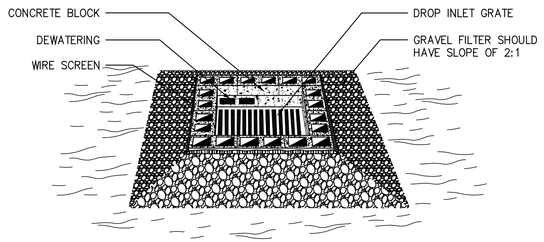
IF RUNOFF MAY BYPASS THE PROTECTED INLET, A TEMPORARY DIKE SHOULD BE CONSTRUCTED ON THE DOWN SLOPE SIDE OF THE STRUCTURE. ALSO, A STONE FILTER RING MAY BE USED ON THE UP SLOPE SIDE OF THE INLET TO SLOW RUNOFF AND FILTER LARGER SOIL PARTICLES. REFER TO FR-STONE FILTER RING.

MAINTENANCE FOR ALL Sd2 APPLICATIONS

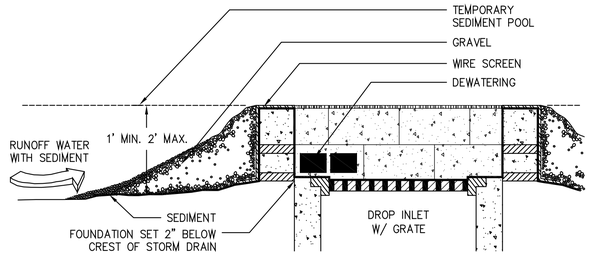
ALL TRAPS SHALL BE INSPECTED DAILY AND AFTER EACH RAIN AND REPAIRS MADE AS NEEDED. SEDIMENT SHALL BE REMOVED WHEN THE SEDIMENT HAS ACCUMULATED TO ONE-HALF THE HEIGHT OF THE TRAP. SEDIMENT SHALL BE REMOVED FROM CURB INLET PROTECTION IMMEDIATELY. FOR EXCAVATED INLET SEDIMENT TRAPS, SEDIMENT SHALL BE REMOVED WHEN ONE-HALF OF THE SEDIMENT STORAGE CAPACITY HAS BEEN LOST TO SEDIMENT ACCUMULATION. SOD INLET PROTECTION SHAL BE MAINTAINED AS SPECIFIED IN DS4-DISTURBED AREA STABLIZATION (WITH SODDING).

SEDIMENT SHALL NOT BE WASHED INTO THE INLET. IT SHALL BE REMOVED FROM THE SEDIMENT TRAP AND DISPOSED OF AND STABILIZED SO THAT IT WILL NOT ENTER THE INLET, AGAIN.
WHEN THE CONTRIBUTING DRAINAGE AREA HAS BEEN PERMANENTLY STABILIZED, ALL MATERIALS AND ANY SEDIMENT SHALL BE REMOVED, AND EITHER SALVAGED OR DISPOSED OF PROPERLY. THE DISTURBED AREA SHALL BE BROUGHT TO PROPER GRADE, THEN SMOOTHED AND COMPACTED. ALL DISTURBED AREAS AROUND THE INLET SHALL BE APPROPRIATELY STABILIZED.

Sd2 INLET SEDIMENT BARRIER

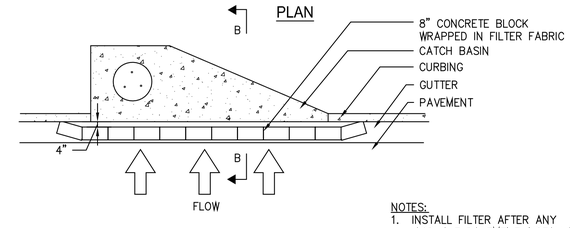


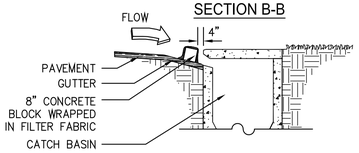
BLOCK AND GRAVEL SECTION



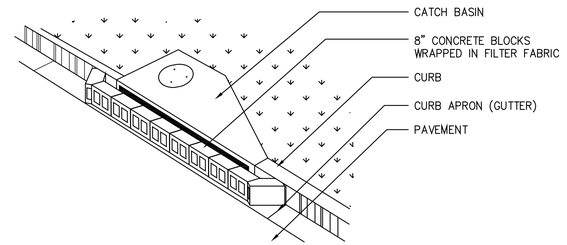
NOTE:
1. HARDWARE CLOTH OR COMPARABLE WIRE MESH WITH ½ INCH OPENINGS SHALL BE FITTED OVER ALL BLOCK OPENINGS TO HOLD GRAVEL IN PLACE.
2. THE FOUNDATION SHOULD BE EXCAVATED AT LEAST 2 INCHES BELOW THE CREST OF THE STORM DRAIN. THE FIRST ROW OF BLOCKS WILL BE PLACED HERE FOR LATERAL SUPPORT.
3. ONE BLOCK (AS SHOWN) IS TO BE PLACED ON EACH SIDE OF THE STRUCTURE ON ITS SIDE IN THE BOTTOM ROW TO ALLOW FOR POOL DRAINAGE.

Sd2-BG BLOCK & GRAVEL DROP INLET PROTECTION
N.T.S.

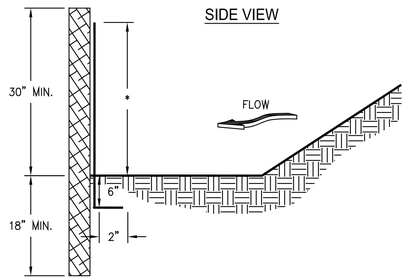




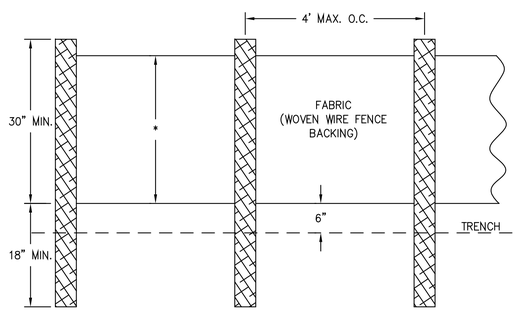
NOTES:
1. INSTALL FILTER AFTER ANY ASPHALT PAVEMENT INSTALLATION
2. WRAP 8" CONCRETE BLOCKS IN FILTER FABRIC AND SPAN ACROSS CATCH BASIN INLET.
3. FACE OPENINGS IN BLOCKS OUTWARD.
4. LEAVE A GAP OF APPROXIMATELY 4 INCHES BETWEEN THE CURB AND THE FILTERS TO ALLOW FOR OVERFLOW TO PREVENT HAZARDOUS PONDING.
5. INSTALL OUTLET PROTECTION BELOW STORM DRAIN OUTLETS.



Sd2-P CURB FILTER INLET
N.T.S.



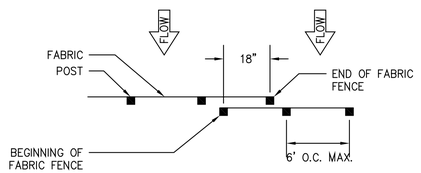
FRONT VIEW



NOTES:
1. USE STEEL OR WOOD POSTS OR AS SPECIFIED BY THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
2. HEIGHT (*) IS TO BE SHOWN ON THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

Sd1-S SILT FENCE - TYPE SENSITIVE
N.T.S.

OVERLAP AT FABRIC ENDS



TOP VEIW – NOT TO SCALE

FRONT VIEWS – NOT TO SCALE

NOTES:
1. THE FABRIC AND WIRE SHOULD BE SECURELY FASTENED TO POSTS AND FABRIC ENDS MUST BE OVERLAPPED A MINIMUM OF 18" OR WRAPPED TOGETHER AROUND A POST TO PROVIDE A CONTINUOUS FABRIC BARRIER AROUND THE INLET.

Sd1-S FASTENER FOR SILT FENCE
N.T.S.

24 HOUR EROSION CONTROL CONTACT:
NAME: STEVE ORTMAN
ADDRESS: 300 CHURCHILL COURT
WOODSTOCK, GA 30188
PHONE #: 404-427-3872

GSWCC Georgia Soil and Water Conservation Commission
Susan U. Major
Level II Certified Design Professional
Certification Number 0000028288
Issued: 12/15/2015 Expires: 12/15/2018

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GEORGIA Georgia Ethics No. PE1610 Professional Engineer Susan U. Major

CITY OF ATLANTA DEPARTMENT OF watershed management
JP2
5587 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

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STORMWATER POND
ESPC STANDARD DETAILS

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	10/2/2017

PROJECT NO: 7383-E
DESIGNED BY: SM
DRAWN BY: JC
CHECKED BY: DM
DATE: 10-2-2017
SCALE: NOTED

DRAWING NO.
ECF-009

SHEET OF

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TEMPORARY SEDIMENT BASIN DESIGN SHEET

Computed by _____ Date _____
Checked by_____ Date _____

Project Name UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
Basin No. 3
Total area draining to basin = 12.7 acres
Disturbed area draining to basin = 12.7 acres

Volume

1. Compute minimum required storage volume (V_r).
   V_r = 67 cy/ac * 12.7 acres = 851 cy
2. Compute volume of basin at clean-out (V_c).
   V_c = 22 cy/ac * 12.7 acres = 279.4 cy
3. Determine elevation corresponding to minimum required storage volume, V_r.
   Minimum riser crest elevation = 922.16 ft (determined by stage/storage relationship)
4. Determine elevation corresponding to clean-out volume, V_c.
   Clean-out elevation = 921.18 ft (determined by stage/storage relationship)
   Note: Clean-out elevation shall be clearly marked on the riser or marked by a post near the riser.
5. Compute length of riser.
   Riser length = Minimum elevation of riser crest - Lowest elevation of pipe at riser
   Riser length = 922.16 ft - 918.5 ft
   Riser length = 3.66 ft

Stormwater Runoff

6. Compute peak discharge from a 2-yr, 24-hr storm event.
   Q_a = 33.5 cfs (Attach runoff computation sheet.)
7. Compute peak discharge from a 25-yr, 24-hr storm event.
   Q_{25} = 59.1 cfs (Attach runoff computation sheet.)

Surface Area/Configuration Design

8. Compute minimum basin surface area (SA_{ac}).
   SA_{ac} = 0.01 ac/cfs * Q_a
   SA_{ac} = 0.01 ac/cfs * 33.5 cfs
   SA_{ac} = 0.335 ac = 43560 sf/ac * 0.335 ac = 14593 sf
9. Check available area at elevation of riser crest.
   Available area = 16114 sf (determined by stage/storage relationship)
   Available area SA_{ac}? Yes X No _____
10. Compute required length to achieve 2:1 L:W ratio.
    Average width = 90 ft
    Required length = 2 * average width
    Required length = 2 * 90 ft
    Required length = 180 ft
    Available length = 180 ft
    2:1 L:W ratio satisfied? Yes x No _____
    If "no", refer to Figure 6-29.2 for baffle designs. Note any required baffles on E&SC Plan and include calculations and details for baffle(s).

Principal Spillway (ps)

11. Determine maximum principal spillway capacity.
    $Q_{max} = Q_a$ = 33.5 cfs
12. Compute the vertical distance between the centerline of the outlet pipe and the emergency spillway crest (H).
    H = 3.0 ft
13. Compute the total pipe length of the principal spillway, L, using Figure 6-29.3.
    L = [A - (B+C)/2] [Zu+Zd] + T + E = [____ - (____+____)/2] [____+____] + ____ + ____
    L = 163 ft

TEMPORARY SEDIMENT BASIN DESIGN SHEET
Project Name _____
Page 2

14. Determine diameter of principal spillway (D_{ps}) and flow through the principal spillway (Q) from Table 6-29.1 using H and Q_{max}.
    D_{ps} = 36 in. Q = 49.9 cfs (value directly from table)
15. Compute actual flow through the principal spillway, using Table 6-29.1 to determine the correction factor for pipe length, L.
    Q_{ps} = Q * correction factor = 49.9 cfs * 0.79
    Q_{ps} = 39.42 cfs
16. Compute riser diameter (D_r).
    D_r = 1.5 * D_{ps}
    D_r = 1.5 * 36 in.
    D_r = 54 in.
    D_r = 54 in.
17. Compute trash rack diameter (D_t).
    D_t = 1.4 * D_r
    D_t = 1.4* 54 in.
    D_t = 75.6 in.
    D_t = 76 in.
18. Determine the minimum distance between the riser crest and the emergency spillway crest, h, using Table 6-29.2 D_r and Q_{ps}.
    h = 1.0 ft

Concrete Riser Base Design

19. Determine the volume of concrete per vertical foot of riser height needed, from Table 6-29.3 to prevent flotation.
    Required volume of concrete per vertical foot = 13.9 cf/v.f.
20. Compute total volume of concrete required.
    Total required volume of concrete = Required volume per vertical foot * Riser length
    Total required volume of concrete = 13.9 cf/v.f. * 3.7 ft
    Total volume of concrete required = 51.4 cf
21. Assume base thickness, B (usually 18").
    B = 18 in = 1.5 ft
22. Compute required surface area.
    Required surface area = Total volume required / B
    Required surface area = 51.4 cf / 1.5 ft
    Required surface area = 34.3 sf
23. Compute riser base length (l) and width (w) (assume square base).
    l = w = (required surface area)$^{1/2}$
    l = w = (34.3 sf)$^{1/2}$
    l = w = 5.85 ft = 12in/ft* 5.85 ft = 71 in

Anti-Seep Collar Design NO EMBANKMENT THEREFORE ANTI-SEEP COLLAR IS NOT REQUIRED.

24. Determine if anti-seep collar is required. If yes, to any of the following conditions, a collar is required:
    _____ The settled height of the dam is greater than 15 feet.
    _____ The principal spillway diameter (D_{ps}) is smooth pipe larger than 8".
    x The principal spillway diameter (D_{ps}) is corrugated metal pipe larger than 12".
25. Determine size of anti-seep collar required.
    x 18-inch projection (for heads (H) less than or equal to 10 feet).
    _____ 24-inch projection (for heads (H) greater than 10 feet).

Emergency Spillway (es)

26. Compute minimum capacity of emergency spillway (Q_{es})
    Q_{es} = Q_{25} - Q_a = 59.1 cfs - 39.42 cfs
    Q_{es} = 29.68 cfs

TEMPORARY SEDIMENT BASIN DESIGN SHEET
Project Name _____
Page 3

27. Determine stage (H_s), bottom width (b), velocity (V) and minimum exit slope (S) using Table 6-29.4 and Q_{es}.
    H_s = 1 ft b = 12 ft V = 4 fps S = 3 %
28. Actual entrance channel slope, S_e = 1.0 %
29. Actual exit channel slope, S_c = 1.0 %
    Note: If S_c is steeper than S (from Table 6-29.4), then the velocity in the exit channel will increase.

    a.) Calculate new exit velocity (V_x)
    V_x = V (S_c/S)$^{0.5}$ = _____ fps * (_____/_____)$^{0.5}$
    V_x = _____ fps
    Note: Refer to Channel Stabilization (Ch) to determine the proper lining for the emergency spillway.
    Grass x Rip-rap _____ Concrete _____

Design Elevations

30. Riser crest elevation = 922.16 ft
31. Compute minimum emergency spillway crest elevation.
    Minimum emergency spillway crest elevation = Riser crest elevation + h
    Minimum emergency spillway crest elevation = 922.16 ft + 1.0 ft
    Minimum emergency spillway crest elevation = 923.16 ft
32. Determine design high water elevation
    Design high water elevation = Minimum emergency spillway crest elevation + Stage elevation (Hp)
    Design high water elevation = 923.16 ft + 1.0 ft
    Design high water elevation = 924.16 ft
33. Determine elevation of top of dam **NOTE: SEDIMENT BASIN IS EXCAVATED, THEREFORE NO DAM**
    Elevation of top of dam = Design high water elevation + 1 ft freeboard
    Elevation of top of dam = _____ ft + 1 ft
    Elevation of top of dam = _____ ft

PLEASE NOTE THAT DESIGN VALUES DETERMINED BY THIS SHEET REPRESENT THE MINIMUM REQUIREMENTS FOR A TEMPORARY SEDIMENT BASIN.

Sd3 TEMPORARY SEDIMENT BASIN 3
N.T.S.

TEMPORARY SEDIMENT BASIN DESIGN SHEET

Computed by _____ Date _____
Checked by_____ Date _____

Project Name UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
Basin No. 4
Total area draining to basin = 13.4 acres
Disturbed area draining to basin = 13.4 acres

Volume

1. Compute minimum required storage volume (V_r).
   V_r = 67 cy/ac * 13.4 acres = 975 cy
2. Compute volume of basin at clean-out (V_c).
   V_c = 22 cy/ac * 13.4 acres = 294.8 cy
3. Determine elevation corresponding to minimum required storage volume, V_r.
   Minimum riser crest elevation = 921.14 ft (determined by stage/storage relationship)
4. Determine elevation corresponding to clean-out volume, V_c.
   Clean-out elevation = 920.2 ft (determined by stage/storage relationship)
   Note: Clean-out elevation shall be clearly marked on the riser or marked by a post near the riser.
5. Compute length of riser.
   Riser length = Minimum elevation of riser crest - Lowest elevation of pipe at riser
   Riser length = 921.14 ft - 918.5 ft
   Riser length = 2.64 ft USE RISER FROM POND 3 L = 3.66 FT. OK.

Stormwater Runoff

6. Compute peak discharge from a 2-yr, 24-hr storm event.
   Q_a = 35.3 cfs (Attach runoff computation sheet.)
7. Compute peak discharge from a 25-yr, 24-hr storm event.
   Q_{25} = 72.9 cfs (Attach runoff computation sheet.)

Surface Area/Configuration Design

8. Compute minimum basin surface area (SA_{ac}).
   SA_{ac} = 0.01 ac/cfs * Q_a
   SA_{ac} = 0.01 ac/cfs * 35.3 cfs
   SA_{ac} = 0.353 ac = 43560 sf/ac * 0.353 ac = 15377 sf
9. Check available area at elevation of riser crest.
   Available area = 18832 sf (determined by stage/storage relationship)
   Available area SA_{ac}? Yes X No _____
10. Compute required length to achieve 2:1 L:W ratio.
    Average width = 85 ft
    Required length = 2 * average width
    Required length = 2 * 85 ft
    Required length = 190 ft
    Available length = 264 ft
    2:1 L:W ratio satisfied? Yes x No _____
    If "no", refer to Figure 6-29.2 for baffle designs. Note any required baffles on E&SC Plan and include calculations and details for baffle(s).

Principal Spillway (ps)

11. Determine maximum principal spillway capacity.
    $Q_{max} = Q_a$ = 35.3 cfs
12. Compute the vertical distance between the centerline of the outlet pipe and the emergency spillway crest (H).
    H = 3.0 ft
13. Compute the total pipe length of the principal spillway, L, using Figure 6-29.3.
    L = [A - (B+C)/2] [Zu+Zd] + T + E = [____ - (____+____)/2] [____+____] + ____ + ____
    L = 163 ft

TEMPORARY SEDIMENT BASIN DESIGN SHEET
Project Name _____
Page 2

14. Determine diameter of principal spillway (D_{ps}) and flow through the principal spillway (Q) from Table 6-29.1 using H and Q_{max}.
    D_{ps} = 36 in. Q = 49.9 cfs (value directly from table)
15. Compute actual flow through the principal spillway, using Table 6-29.1 to determine the correction factor for pipe length, L.
    Q_{ps} = Q * correction factor = 49.9 cfs * 0.79
    Q_{ps} = 39.42 cfs
16. Compute riser diameter (D_r).
    D_r = 1.5 * D_{ps}
    D_r = 1.5 * 36 in.
    D_r = 54 in.
    D_r = 54 in.
17. Compute trash rack diameter (D_t).
    D_t = 1.4 * D_r
    D_t = 1.4* 54 in.
    D_t = 75.6 in.
    D_t = 76 in.
18. Determine the minimum distance between the riser crest and the emergency spillway crest, h, using Table 6-29.2 D_r and Q_{ps}.
    h = 1.0 ft

Concrete Riser Base Design

19. Determine the volume of concrete per vertical foot of riser height needed, from Table 6-29.3 to prevent flotation.
    Required volume of concrete per vertical foot = 13.9 cf/v.f.
20. Compute total volume of concrete required.
    Total required volume of concrete = Required volume per vertical foot * Riser length
    Total required volume of concrete = 13.9 cf/v.f. * 3.7 ft
    Total volume of concrete required = 51.4 cf
21. Assume base thickness, B (usually 18").
    B = 18 in = 1.5 ft
22. Compute required surface area.
    Required surface area = Total volume required / B
    Required surface area = 51.4 cf / 1.5 ft
    Required surface area = 34.3 sf
23. Compute riser base length (l) and width (w) (assume square base).
    l = w = (required surface area)$^{1/2}$
    l = w = (34.3 sf)$^{1/2}$
    l = w = 5.85 ft = 12in/ft* 5.85 ft = 71 in

Anti-Seep Collar Design NO EMBANKMENT THEREFORE ANTI-SEEP COLLAR IS NOT REQUIRED.

24. Determine if anti-seep collar is required. If yes, to any of the following conditions, a collar is required:
    _____ The settled height of the dam is greater than 15 feet.
    _____ The principal spillway diameter (D_{ps}) is smooth pipe larger than 8".
    X The principal spillway diameter (D_{ps}) is corrugated metal pipe larger than 12".
25. Determine size of anti-seep collar required.
    x 18-inch projection (for heads (H) less than or equal to 10 feet).
    _____ 24-inch projection (for heads (H) greater than 10 feet).

Emergency Spillway (es)

26. Compute minimum capacity of emergency spillway (Q_{es})
    Q_{es} = Q_{25} - Q_a = 59.1 cfs - 39.42 cfs
    Q_{es} = 29.68 cfs

TEMPORARY SEDIMENT BASIN DESIGN SHEET
Project Name _____
Page 3

27. Determine stage (H_s), bottom width (b), velocity (V) and minimum exit slope (S) using Table 6-29.4 and Q_{es}.
    H_s = 1 ft b = 12 ft V = 4 fps S = 3 %
28. Actual entrance channel slope, S_e = 1.0 %
29. Actual exit channel slope, S_c = 1.0 %
    Note: If S_c is steeper than S (from Table 6-29.4), then the velocity in the exit channel will increase.

    a.) Calculate new exit velocity (V_x)
    V_x = V (S_c/S)$^{0.5}$ = _____ fps * (_____/_____)$^{0.5}$
    V_x = _____ fps
    Note: Refer to Channel Stabilization (Ch) to determine the proper lining for the emergency spillway.
    Grass x Rip-rap _____ Concrete _____

Design Elevations

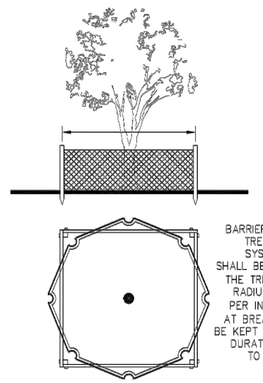
30. Riser crest elevation = 922.16 ft
31. Compute minimum emergency spillway crest elevation.
    Minimum emergency spillway crest elevation = Riser crest elevation + h
    Minimum emergency spillway crest elevation = 922.16 ft + 1.0 ft
    Minimum emergency spillway crest elevation = 923.16 ft
32. Determine design high water elevation
    Design high water elevation = Minimum emergency spillway crest elevation + Stage elevation (Hp)
    Design high water elevation = 923.16 ft + 1.0 ft
    Design high water elevation = 924.16 ft
33. Determine elevation of top of dam **NOTE: SEDIMENT BASIN IS EXCAVATED, THEREFORE NO DAM**
    Elevation of top of dam = Design high water elevation + 1 ft freeboard
    Elevation of top of dam = _____ ft + 1 ft
    Elevation of top of dam = _____ ft

PLEASE NOTE THAT DESIGN VALUES DETERMINED BY THIS SHEET REPRESENT THE MINIMUM REQUIREMENTS FOR A TEMPORARY SEDIMENT BASIN.

Sd3 TEMPORARY SEDIMENT BASIN 4
N.T.S.

TREE PROTECTION

CHAIN LINK FENCE DETAIL



BARRIER CONSTRUCTED TO PROTECT TREE TRUNK, CROWN, AND ROOT SYSTEM FROM INJURY. BARRIERS SHALL BE LOCATED AT THE LIMITS OF THE TREE'S CRITICAL ROOT ZONE (A RADIUS OF ONE AND A HALF FEET PER INCH OF THE TREE'S DIAMETER AT BREAST HEIGHT). BARRIER SHALL BE KEPT IN GOOD CONDITION FOR THE DURATION OF THE PROJECT AND IS TO REMAIN IN PLACE UNTIL THE NOTICE OF TERMINATION.

FOR ADDED PROTECTION

–PROVIDE 4" DEEP ORGANIC MULCH OVER ANY UNPROTECTED ROOT ZONE.
–PROVIDE TEMPORARY IRRIGATION WHERE PRACTICAL AND FEASIBLE.

Tr TREE PROTECTION 1
N.T.S.

24 HOUR EROSION CONTROL CONTACT:
NAME: STEVE ORTMAN
ADDRESS: 300 CHURCHILL COURT
WOODSTOCK, GA 30188
PHONE #: 404-427-3872

GSWCC Georgia Soil and Water Conservation Commission
Susan U. Major
Level II Certified Design Professional
Certification Number 0000028288
Issued: 12/15/2015 Expires: 12/15/2018

811 Know what's below. Call before you dig.

GEORGIA REGISTERED PROFESSIONAL ENGINEER Susan U. Major No. PE16710 PROFESSIONAL ENGINEER

CITY OF ATLANTA DEPARTMENT OF watershed management

JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY
EROSION AND SEDIMENT CONTROL
STORMWATER POND
ESPC STANDARD DETAILS

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	10/2/2017

PROJECT NO: 7383-E
DESIGNED BY: SM
DRAWN BY: JC
CHECKED BY: DM
DATE: 10-2-2017
SCALE: NOTED

DRAWING NO.
ECF-010
SHEET OF

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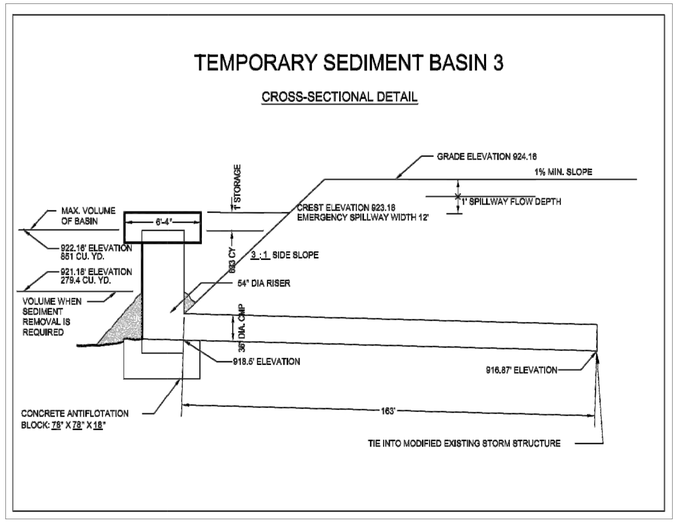
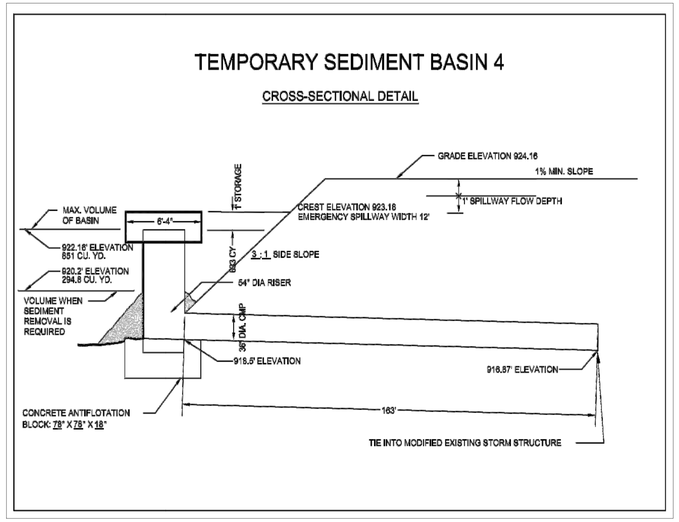


Sd3 TEMPORARY SEDIMENT BASIN 3
N.T.S.



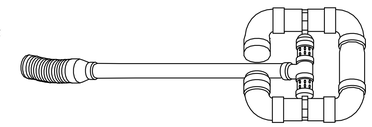
Sd3 TEMPORARY SEDIMENT BASIN 4
N.T.S.

BASIN 3:
L=180 FT
W = 90 FT
FLOW LENGTH = 180 FEET
DEPTH = 4.16 FEET
TIME TO DRAIN - 72 HOURS
SKIMMER SIZE 4"
MANUFACTURER: FAIRCLOTH

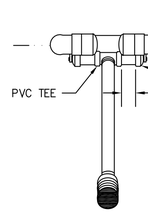
BASIN 4:
L=264 FT
W = 85 FT
FLOW LENGTH = 264 FEET
DEPTH = 3 FEET
TIME TO DRAIN - 72 HOURS
SKIMMER SIZE 4"
MANUFACTURER: FAIRCLOTH

NOTE:
SKIMMER CONFIGURATION SHOWN IS TYPICAL. THE DESIGNER/ENGINEER MAY SUBMIT AN ALTERNATE SKIMMER DETAIL FOR REVIEW.

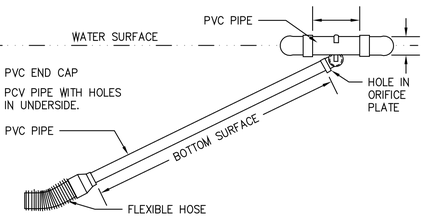
SKIMMER PERSPECTIVE



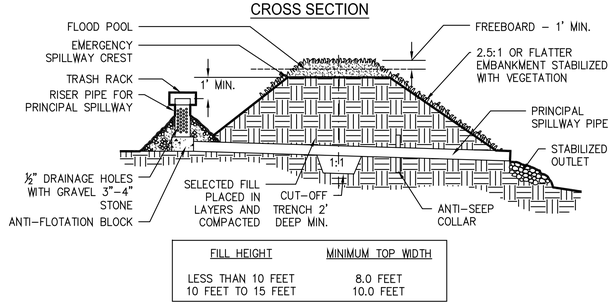
SKIMMER FRONTAL SECTION VIEW



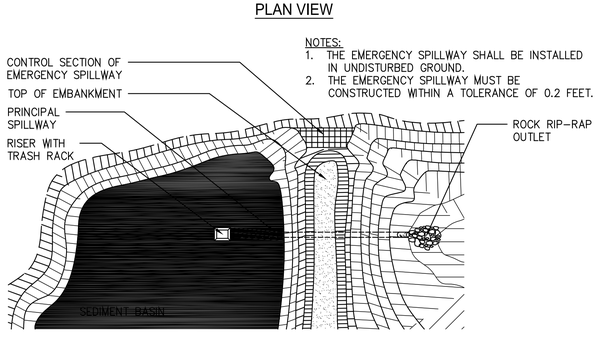
SKIMMER SIDE SECTION VIEW



Sk TEMPORARY SEDIMENT POND SKIMMER
N.T.S.

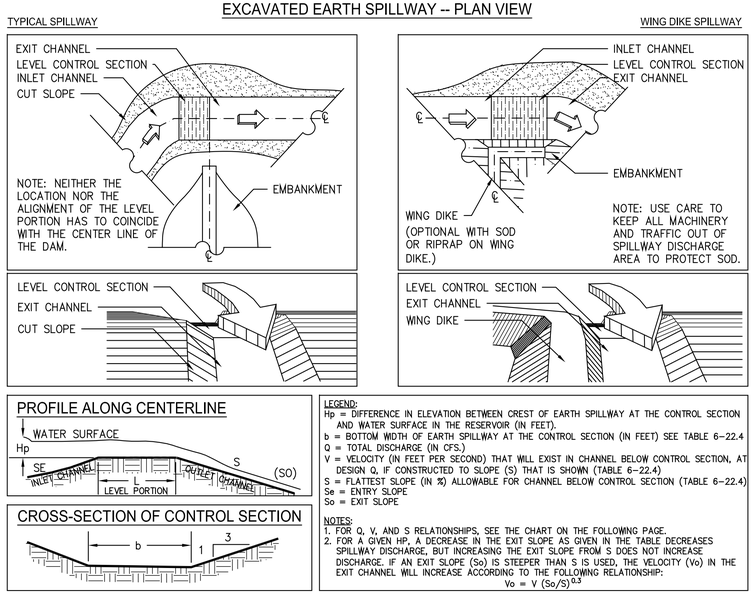


FILL HEIGHT	MINIMUM TOP WIDTH
LESS THAN 10 FEET	8.0 FEET
10 FEET TO 15 FEET	10.0 FEET



Sd3 BASIC COMPONENTS OF TEMPORARY SEDIMENT BASIN
N.T.S.

EXCAVATED EARTH SPILLWAY -- PLAN VIEW



Sd3 EXCAVATED EARTH SPILLWAY
N.T.S.

24 HOUR EROSION CONTROL CONTACT:
NAME: STEVE ORTMAN
ADDRESS: 300 CHURCHILL COURT
WOODSTOCK, GA 30188
PHONE #: 404-427-3872

GSWCC Georgia Soil and Water Conservation Commission
Susan U. Major
Level II Certified Design Professional
Certification Number 0000028288
Issued: 12/15/2015 Expires: 12/15/2018

811 Know what's below. Call before you dig.

GEORGIA LICENSED PROFESSIONAL ENGINEER No. PE16710 SUSAN U. MAJOR REGISTERED

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY
EROSION AND SEDIMENT CONTROL
STORMWATER POND
ESPC STANDARD DETAILS

JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	10/2/2017

PROJECT NO: 7383-LE
DESIGNED BY: SM
DRAWN BY: JC
CHECKED BY: DM
DATE: 10-2-2017
SCALE: NOTED

DRAWING NO.
ECF-011
SHEET OF

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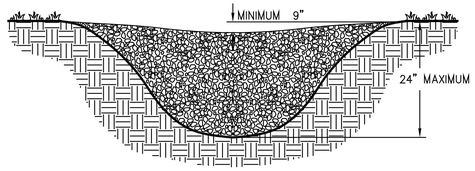
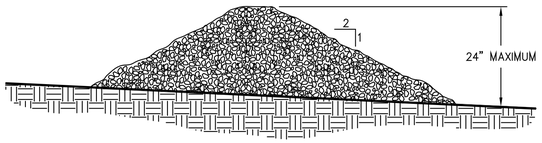
CROSS SECTION



PROFILE VIEW

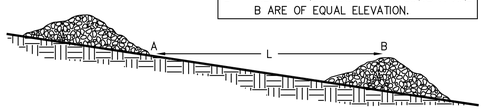


NOTES:
1. CHECK DAMS ARE TO BE USED ONLY IN SMALL OPEN CHANNELS (THEY ARE NOT TO BE USED IN LIVE STREAMS).
2. THE DRAINAGE AREA FOR STONE CHECK DAMS SHALL NOT EXCEED TWO ACRES.
3. THE CENTER OF THE CHECK DAM MUST BE AT LEAST 9 INCHES LOWER THAN THE OUTER EDGES.
4. THE DAM HEIGHT SHOULD BE A MAXIMUM OF 2 FEET FROM CENTER TO RIM EDGE.
5. THE SIDE SLOPES OF THE CHECK DAM SHALL NOT EXCEED A 2:1 SLOPE.
6. GEOTEXTILE SHALL BE USED TO PREVENT THE MITIGATION OF SUBGRADE SOIL PARTICLES INTO THE STONES (REFER TO AASHTO M288–96, SECTION 7.3, TABLE 3).

Cd STONE CHECK DAM 1
N.T.S.

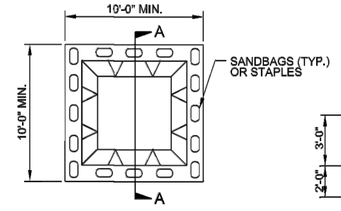
SPACING BETWEEN CHECK DAMS

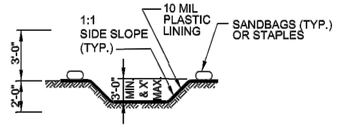
A = THE TOE OF THE UPSTREAM CHECK DAM.
B = TOP OF THE DOWNSTREAM CHECK DAM.
L = THE DISTANCE SUCH THAT POINTS A AND B ARE OF EQUAL ELEVATION.



Cd STONE CHECK DAM 2
N.T.S.

ONSITE CONCRETE WASHOUT STRUCTURE WITH LINER





SECTION A-A

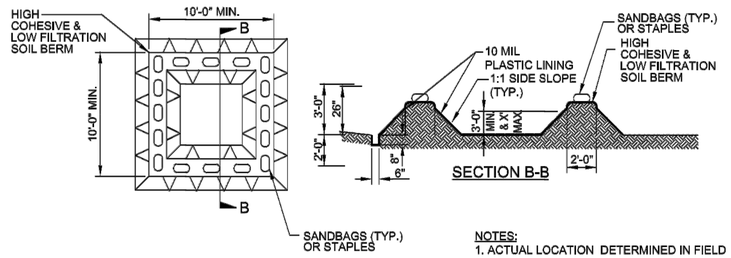
NOTES:
1. ACTUAL LOCATION DETERMINED IN FIELD

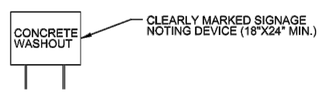
2. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY.

3.CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARY MARKED WITH SIGNAGE NOTING DEVICE.

PLAN

BELOW GRADE WASHOUT STRUCTURE
NOT TO SCALE





NOTES:
1. ACTUAL LOCATION DETERMINED IN FIELD

2. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM 12 INCHES OF FREEBOARD.

3.CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARY MARKED WITH SIGNAGE NOTING DEVICE.

PLAN

ABOVE GRADE WASHOUT STRUCTURE
NOT TO SCALE

CONCRETE WASHOUT AREA
N.T.S.

24 HOUR EROSION CONTROL CONTACT:
NAME: STEVE ORTMAN
ADDRESS: 300 CHURCHILL COURT
WOODSTOCK, GA 30188
PHONE #: 404-427-3872

GSWCC Georgia Soil and Water Conservation Commission
Susan U. Major
Level II Certified Design Professional
Certification Number 0000028288
Issued: 12/15/2015 Expires: 12/15/2018

Know what's below. Call before you dig.

GEORGIA Registered Engineer No. PE16710 Professional Engineer Susan U. Major

CITY OF ATLANTA DEPARTMENT OF watershed management

JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY
EROSION AND SEDIMENT CONTROL
STORMWATER POND
ESPC STANDARD DETAILS

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	10/2/2017

PROJECT NO: 7383–E
DESIGNED BY: SM
DRAWN BY: JC
CHECKED BY: DM
DATE: 10-2-2017
SCALE: AS NOTED

DRAWING NO.
ECF-012
SHEET OF

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24 HOUR EROSION CONTROL CONTACT:
NAME: STEVE ORTMAN
ADDRESS: 300 CHURCHILL COURT
WOODSTOCK, GA 30188
PHONE #: 404-427-3872

MATERIAL	QUANTITY
DRY STRAW OR HAY	2" - 4" DEPTH
WOOD WASTE (SAWDUST, BARK, CHIPS)	2" - 3" DEPTH
CUTBACK ASPHALT (SLOW CURING)	1200 GAL. PER ACRE (1/4 GAL PER SQ. YD.)
POLYETHYLENE FILM	COMPLETELY COVERING EXPOSED AREA. TRENCHED IN AT OUTER EDGES.

STRAW OR HAY MULCH SHALL BE ANCHORED IMMEDIATELY AFTER APPLICATION. MULCH MAY BE ANCHORED BY MECHANICALLY PRESSING INTO SURFACE. IF SPREAD WITH BLOWER EQUIPMENT, MULCH SHALL BE ANCHORED WITH EMULSIFIED ASPHALT (GRADE AE-5 OR SS-1)--100 GAL. ASPHALT + 100 GAL. WATER PER TON OF MULCH. NETTING SHALL BE USED TO ANCHOR WOOD WASTE AND CHIPS. POLYETHYLENE SHALL BE TRENCHED IN AT EDGES.

Ds1 MULCHING

Species	Broadcast Rates: Rate Per Acre[2]	Broadcast Rates: Pure Live Seed (PLS) Per 1000 sqft	Resource Area[3]	Planting Dates by Resource Area (Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.)	Remarks
MILLET, PEARL *Pennesetum glaucum*					
alone	50 lbs	1.1 lbs	M-L P C		88,000 seed per pound. Quick dense cover. May reach 5 feet in height. Not recommended for mixtures.
OATS *Avena sativa*					
alone	4 bu. (128 lbs)	2.9 lbs	M-L		
In mixture	1 bu. (32 lbs)	0.7 lb	P C		13,000 seed per pound. Use on productive soils. Not as a winter hardy as rye or barley.
RYE *Secale cereale*					
alone	3 bu. (168 lbs)	3.9 lbs	M-L		
In mixture	1/2 bu. (28 lbs)	0.6 lb	P C		18,000 seed per pound. Quick cover. Drought tolerant and winter hardy.
RYEGRASS, ANNUAL *Lolium temulentum*					
alone	40 lbs	0.9 lb	M-L P C		227,000 seed per pound. Dense cover. Very competitive and is not to be used in mixtures.
SUDANGRASS *Sorghum sudanese*					
alone	60 lbs	1.4 lbs	M-L P C		55,000 seed per pound. Good on droughty sites. Not recommended for mixtures.

Ds2 STABILIZATION WITH TEMPORARY SEEDING

Table 6-4.1 - Temporary Cover or Companion Cover Crops
PLANT, PLANTING RATE, AND PLANTING DATE FOR TEMPORARY COVER OR COMPANION CROPS [1]

Species	Broadcast Rates: Rate Per Acre[2]	Broadcast Rates: Pure Live Seed (PLS) Per 1000 sqft	Resource Area[3]	Planting Dates by Resource Area (Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.)	Remarks
BARLEY *Hordeum vulagre*					
alone	3 bu. (144 lbs)	3.3 lbs	M-L		
In mixture	1/2 bu. (24lbs)	0.6 lb	P C		14,000 seed per pound. Winter hardy. Use on productive soils.
LESPEDEZA, ANNUAL *Lespedeza striata*					
alone	40 lbs	0.9 lb	M-L		
In mixture	10 lbs	0.2 lb	P C		200,000 seed per pound. May volunteer for several years. Use inoculant EL.
LOVEGRASS, WEEPING *Eragrostis curvula*					
alone	4 lbs	0.1 lb	M-L		
In mixture	2 lbs	0.05 lb	P C		1,500,000 seed per pound. May last for several years. Mix with *Sericea lespedeza*.
MILLET, BROWNTOP *Panicum fasciculatum*					
alone	40 lbs	0.9 lb	M-L		
In mixture	10 lbs	0.2 lb	P C		137,000 seed per pound. Quick dense cover. Will provide excessive competion in mixtures if seeded at high rate.

Ds2 STABILIZATION WITH TEMPORARY SEEDING

Species	Broadcast Rates: Rate Per Acre[2]	Broadcast Rates: Pure Live Seed (PLS) Per 1000 sqft	Resource Area[3]	Planting Dates by Resource Area (Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.)	Remarks
TRITICALE *X-Triticosecale*					
alone	3 bu. (144 lbs)	3.3 lbs	C		
in mixture	1/2 bu. (24 lbs)	0.6 lb			Use on lower part of Southern Coastal Plain and in Atlantic Coastal Flatwoods only.
WHEAT *Triticum aestivum*					
alone	3 bu. (180 lbs)	4.1 lbs	M-L		
in mixture	1/2 bu. (30 lbs)	0.7 lb	P C		15,000 seed per pound. Winter hardy.

[1]Temporary cover crops are very competitive and will crowd out perennials if seeded too heavily
[2]Reduce seeding rates by 50% when drilled.
[3]M-L represents the Mountain; Blue Ridge; and Ridges and Valleys MLRAs
P represents the Southern Piedmont MLRA
C represents Southern Coastal Plan; Sand Hills; Black Lands; and Atlantic Coast Flatwoods MLRAs
(see Figure 6-4.1, p. 6-40)

Ds2 STABILIZATION WITH TEMPORARY SEEDING

GSWCC Georgia Soil and Water Conservation Commission

Susan U. Major
Level II Certified Design Professional
Certification Number 0000028888
Issued: 12/15/2015 Expires: 12/15/2018

Know what's below. Call before you dig.

GEORGIA REGISTERED No. PE16710 PROFESSIONAL ENGINEER SUSAN U. MAJOR

CITY OF ATLANTA DEPARTMENT OF watershed management
JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY
EROSION AND SEDIMENT CONTROL
STORMWATER POND
ESPC Std. Details - Vegetative

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	10/2/2017

PROJECT NO: 7383-E
DESIGNED BY: SM
DRAWN BY: JC
CHECKED BY: DM
DATE: 10-2-2017
SCALE: NOTED

DRAWING NO.
ECF-013
SHEET OF

ACAD Rel: 19.1s (LMS Tech)
Filename: O:\73_WS\T-2\ECF-000-017_Stormwater Pond.dwg
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Plot Date: 10/1/2017 3:13 PM Plot By: SMajor Filename: O:\73_WS\T-2\ECF-000-017_Stormwater Pond.dwg

Table 6-5.1. Fertilizer Requirements

TYPE OF SPECIES	YEAR	ANALYSIS OR EQUIVALENT N-P-K	RATE	N TOP DRESSING RATE
1. Cool season grasses	First	6-12-12	1500 lbs./ac.	50-100 lbs./ac. 1/2/
	Second	6-12-12	1000 lbs./ac.	—
	Maintenance	10-10-10	400 lbs./ac.	30
2. Cool season grasses and legumes	First	6-12-12	1500 lbs./ac.	0-50 lbs./ac. 1/
	Second	0-10-10	1000 lbs./ac.	—
	Maintenance	0-10-10	400 lbs./ac.	—
3. Ground covers	First	10-10-10	1300 lbs./ac. 3/	—
	Second	10-10-10	1300 lbs./ac. 3/	—
	Maintenance	10-10-10	1100 lbs./ac.	—
4. Pine seedlings	First	20-10-5	one 21-gram pellet per seedling placed in the closing hole	—
5. Shrub Lespedeza	First	0-10-10	700 lbs./ac.	—
	Maintenance	0-10-10	700 lbs./ac. 4/	
6. Temporary cover crops seeded alone	First	10-10-10	500 lbs./ac.	30 lbs./ac. 5/
7. Warm season grasses	First	6-12-12	1500 lbs./ac.	50-100 lbs./ac. 2/6/
	Second	6-12-12	800 lbs./ac.	50-100 lbs./ac. 2/
	Maintenance	10-10-10	400 lbs./ac.	30 lbs./ac.
8. Warm season grasses and legumes	First	6-12-12	1500 lbs./ac.	50 lbs./ac./6/
	Second	0-10-10	1000 lbs./ac.	
	Maintenance	0-10-10	400 lbs./ac.	

1/ Apply in spring following seeding.
2/ Apply in split applications when high rates are used.
3/ Apply in 3 split applications.
4/ Apply when plants are pruned.
5/ Apply to grass species only.
6/ Apply when plants grow to a height of 2 to 4 inches.

Ds3 FERTILIZER RATES FOR PERMANENT VEGETATION

24 HOUR EROSION CONTROL CONTACT:
NAME: STEVE ORTMAN
ADDRESS: 300 CHURCHILL COURT
WOODSTOCK, GA 30188
PHONE #: 404-427-3872

Table 6-5.2- Permanent Cover Crops
PLANT, PLANTING RATE, AND PLANTING DATE FOR PERMANENT COVER [1]

Species	Broadcast Rates		Resource Area[3]	Planting Dates by Resource Area (Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.) J F M A M J J A S O N D	Remarks
	Rate Per Acre[2]	Pure Live Seed (PLS) Per 1000 sqft			
BAHIA, PENSACOLA *Paspalum notatum*					
alone or with temporary cover	60 lbs	1.4 lbs	P		166,000 seed per pound. Low growing. Sod forming. Slow to establish. Plant with a companion crop. Will spread nto bermuda pastures and awns. Mix with Sericea lespedeza or weeping lovegrass.
with other perennials	30 lbs	0.7 lb	C		
BAHIA, WILMINGTON *Paspalum notatum*					
alone or with temporary cover	60 lbs	1.4 lb	M-L		
with other perennials	30 lbs	0.7 lb	P		Same as above.
BERMUDA, COMMON *Cynodon dactylon*					
Hulled seed			P		
alone	10 lbs	0.2 lb	C		1,787,000 seed per pound. Quick cover. Low growing and sod forming. Full sun. Good for athletic fileds.
with other perennials	6 lbs	0.7 lb			
BERMUDA, COMMON *Cynodon dactylon*					
Unhulled seed			P		
with temporary cover	10 lbs	0.2 lb			Plant with winter annuals.
with other perennials	6 lbs	0.1 lb	C		Plant with Tall Fescue

Ds3 STABILIZATION WITH PERMANENT VEGETATION

Table 6-5.2- Permanent Cover Crops
PLANT, PLANTING RATE, AND PLANTING DATE FOR PERMANENT COVER [1]

Species	Broadcast Rates		Resource Area[3]	Planting Dates by Resource Area (Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.) J F M A M J J A S O N D	Remarks
	Rate Per Acre[2]	Pure Live Seed (PLS) Per 1000 sqft			
BERMUDA SPRIGS *Cynodon dactylon*					
Coastal, Common, Midland, or Tift 44	40 cu ft or sod plugs 3' x3'	0.9 cu ft	M-L		A cubic foot contains approximately 650 sprigs. A bushel contains 1.25 cubic feet or approximately 800 springs.
			P		
Coastal, Common, of Tift 44			C		Same as above.
Tift 78			C		Southern Coastal Plain only
CENTIPEDE *Eremochloa ophuiroides*					
	Block sod only		P		Drought tolerant. Full sun or partial shade. Effective adjacent to concrete and in concentrated flow areas. Irrigation is needed until fully established. Do not plant near pastures. Winterhardy as far as north Athens and Atlanta
			C		
CROWNVETECH *Coronilla varia*					
with winter annuals or cool season grasses	15 lbs	0.3 lb	M-L P		100,000 seed per pound. Dense growth. Drought tolerant and fire resistant. Attractive rose, pink and white blossoms spring to late fall. Mix with 30 pounds of Tall fescue or 15 pounds of rye. Inoculate see with M inoculant. Use from North Atlanta and Northward.

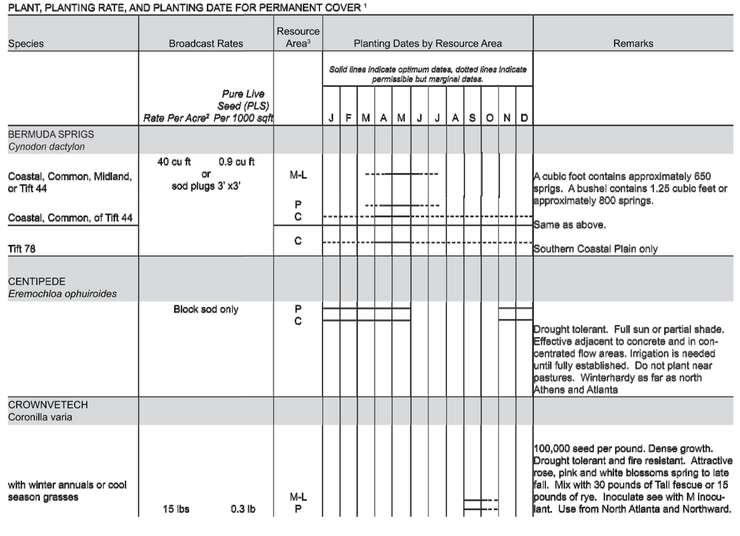
Ds3 STABILIZATION WITH PERMANENT VEGETATION

Table 6-5.2- Permanent Cover Crops
PLANT, PLANTING RATE, AND PLANTING DATE FOR PERMANENT COVER [1]

Species	Broadcast Rates		Resource Area[3]	Planting Dates by Resource Area (Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.) J F M A M J J A S O N D	Remarks
	Rate Per Acre[2]	Pure Live Seed (PLS) Per 1000 sqft			
FESCUE, TALL *Festuca arundinacea*					
alone	50 lbs	1.1 lb	M-L		227,000 seed per pound. Use alone only on better sites. Mix with perennial lespedeza or Crownvetch. Apply topdressing in spring following fall plantings. Not for heavy use areas or athletic fields.
			P		
with other perennials	30 lbs	0.7 lb			
KUDZU *Pueraria thumbergiana*					
Plants or crowns	3' - 7' apart		ALL		Rapid and vigorous growth. Excellent in gully erosion control. Will climb. Good livestock forage.
LESPEDEZA SERICEA *Lespedeza cuneata*					
			M-L		350,000 seed per pound. Widely adapted. Low maintenace. Mix with Weeping lovegrass, Common bermuda, bahia, or tall fescue. Takes 2 to 3 years to become fully established. Excellent on roadbanks. Inoculate seed with EL inoculant.
scarified	60 lbs	1.4 lb	P		
			C		
			M-L		
unscarified	75 lbs	1.7 lb	P		Mix with Tall fesue or winter annuals.
			C		
			M-L		Cut when seed mixture is mature, but before, it shatters. Add Tall fescue or winter annuals.
seed- bearing hay	3 tons	1338 lbs	P		
			C		

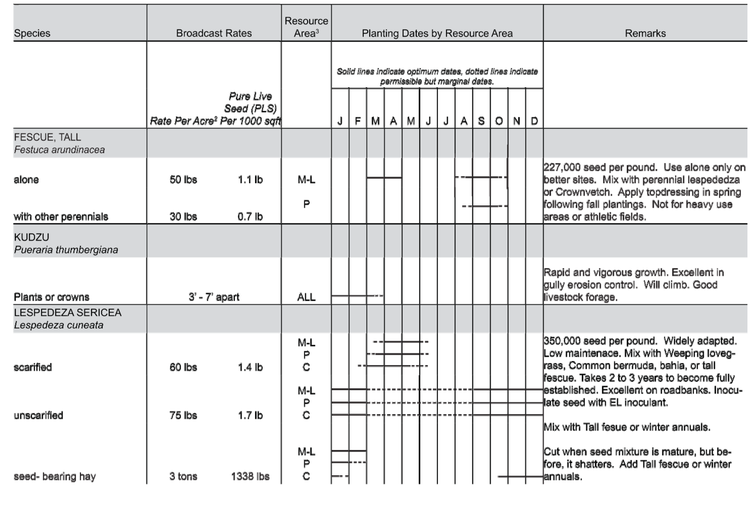
Ds3 STABILIZATION WITH PERMANENT VEGETATION

Table 6-5.2- Permanent Cover Crops
PLANT, PLANTING RATE, AND PLANTING DATE FOR PERMANENT COVER [1]



Ds3 STABILIZATION WITH PERMANENT VEGETATION

Table 6-5.2- Permanent Cover Crops
PLANT, PLANTING RATE, AND PLANTING DATE FOR PERMANENT COVER [1]



Ds3 STABILIZATION WITH PERMANENT VEGETATION

GSWCC Georgia Soil and Water Conservation Commission
Susan U. Major
Level II Certified Design Professional
Certification Number 0000028288
Issued: 12/15/2015 Expires: 12/15/2018

Know what's below. Call before you dig. 811

GEORGIA REGISTERED PE No. PE16710 PROFESSIONAL ENGINEER SUSAN U. MAJOR

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY
EROSION AND SEDIMENT CONTROL
STORMWATER POND
ESPC STD DETAILS - VEGETATIVE

JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	10/2/2017

PROJECT NO: 7383-E
DESIGNED BY: SM
DRAWN BY: JC
CHECKED BY: DM
DATE: 10-2-2017
SCALE: NOTED

DRAWING NO.
ECF-014
SHEET OF

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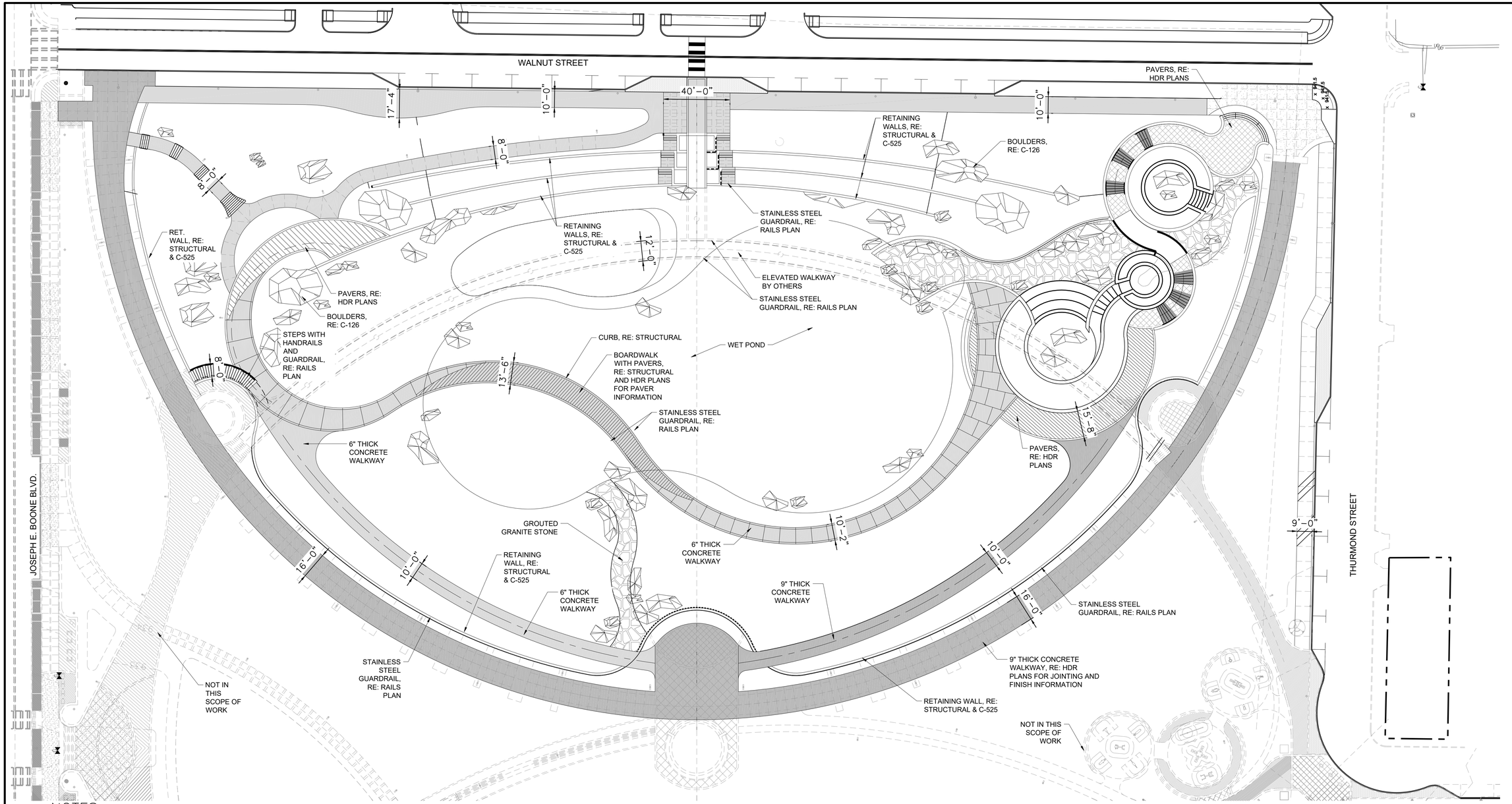

NOTES:

1. ANY REVISION TO THIS PLAN WILL REQUIRE CITY APPROVAL AND WILL REQUIRE REVISIONS TO ANY CORRESPONDING PLANS TO AVOID CONFLICTS BETWEEN PLANS.
2. CONSTRUCTION OF SITE ELEMENTS SHALL BE DONE IN ACCORDANCE WITH JURISDICTIONAL CODES APPLICABLE TO THE PROJECT, INCLUDING BUT NOT LIMITED TO THE AMERICANS WITH DISABILITIES ACT (ADA), ALL APPLICABLE FEDERAL, STATE, COUNTY, AND CITY BUILDING CODES; ZONING AND FORESTRY MITIGATION REQUIREMENTS; AND ENERGY CONSERVATION, ELECTRICAL, MECHANICAL, PLUMBING, AND FIRE CODES. CMAR SHALL VERIFY ALL CODE REQUIREMENTS PRIOR TO COMMENCEMENT OF CONSTRUCTION AND BRING ANY DISCREPANCIES BETWEEN CODE REQUIREMENTS AND THE CONSTRUCTION DOCUMENTS TO THE ATTENTION OF THE ENGINEER.
3. CONTRACTOR SHALL COORDINATE ALL REQUIREMENTS OF JURISDICTIONAL AUTHORITIES FOR, INCLUDING BUT NOT LIMITED TO, WALKS, DRIVEWAYS, CURBS, GUTTERS, STREETLIGHTS, EASEMENTS, UTILITIES, SIGNAGE, BARRICADES, ETC. ADJACENT TO THE PROPERTY, AND SHALL OBTAIN ALL NECESSARY PERMITS AND APPROVALS FOR SAME.
4. THE CONTRACTOR SHALL EMPLOY EXPERIENCED, FULLY QUALIFIED AND LICENSED SUBCONTRACTORS AND MAINTAIN COOPERATION AMONG ALL TRADES AT ALL TIMES.
5. ALL WRITTEN DIMENSIONS TAKE PRECEDENCE. DO NOT SCALE DRAWINGS. NOTIFY ENGINEER OF ANY DISCREPANCIES.
6. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND NOTIFY OWNER AND ENGINEER IN WRITING OF ANY CONFLICTS OR DISCREPANCIES PRIOR TO PROCEEDING WITH WORK.
7. ALL PROPOSED AND FINISHED GRADES ARE BASED ON INFORMATION PROVIDED BY THE OWNER'S SURVEY AND / OR CIVIL ENGINEER. ANY DISCREPANCIES IN ACTUAL FIELD ELEVATIONS AND MEASUREMENTS SHALL BE REPORTED TO ENGINEER IMMEDIATELY.
8. PRIOR TO COMMENCEMENT OF SITE HARDSCAPE CONSTRUCTION, ALL PIERS, FOOTINGS, AND WALLS SHALL BE SURVEYED, LAID OUT AND STAKED IN FIELD FOR REVIEW BY ENGINEER. CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR DEMOLITION, ADJUSTMENTS OR PRECONSTRUCTION RESULTING FROM UNAUTHORIZED CONSTRUCTION ACTIVITIES.
9. CONTRACTOR IS RESPONSIBLE FOR QUANTIFYING OR VERIFYING PROVIDED QUANTITIES OF ALL ELEMENTS SHOWN IN THE DRAWINGS AND SPECIFICATIONS.
10. EASEMENTS, SETBACKS, BUILDINGS, CURBS, GUTTERS AND UNDERGROUND UTILITIES HAVE BEEN PROVIDED BY SURVEY AND PLAT RECORDS. REFER TO SURVEY FOR ADDITIONAL INFORMATION.
11. CONTRACTOR SHALL DISPOSE OF EQUIPMENT AND MATERIALS AS REQUIRED. RUBBISH SHALL BE REMOVED DAILY IN ACCORDANCE WITH THE OWNER'S REGULATIONS AND DISPOSED OF IN A LEGAL MANNER.
12. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS, BROCHURES, PRODUCT DATA, SAMPLES, ETC., TO THE ENGINEER PER SPECIFICATIONS. DUPLICATES SHALL BE PROVIDED TO ARCHITECT AND OTHER CONSULTANTS, AS APPLICABLE, FOR REVIEW.
13. CONTRACTOR SHALL STAMP AND SIGN SUBMITTALS CERTIFYING REVIEW AND VERIFICATION OF PRODUCTS REQUIRED, FIELD DIMENSIONS, ADJACENT CONSTRUCTION WORK AND COORDINATION OF INFORMATION, IS IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. ANY DEVIATIONS SHALL BE NOTED ON THE SUBMITTAL BY THE CONTRACTOR AT THE TIME OF SUBMISSION.
14. CONTRACTOR SHALL STORE AND PROTECT BUILDING MATERIALS AND PRODUCTS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS WITH SEALS AND LABELS INTACT AND LEGIBLE. CONTRACTOR SHALL PREVENT DAMAGE, DETERIORATION, AND LOSS, INCLUDING THEFT.
15. CONTRACTOR SHALL PROVIDE WARRANTY FOR ALL MATERIALS AND WORKMANSHIP BEGINNING FROM THE DATE OF SUBSTANTIAL COMPLETION IN ACCORDANCE WITH THE SPECIFICATIONS.
16. DO NOT WILLFULLY PROCEED WITH CONSTRUCTION OF DESIGN WHEN UNKNOWN OBSTRUCTIONS AND/OR GRADE DIFFERENCES EXIST THAT MAY NOT HAVE BEEN KNOWN DURING DESIGN. SUCH CONDITIONS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL NECESSARY REVISIONS DUE TO FAILURE TO GIVE SUCH NOTIFICATION.

GEORGIA REGISTERED ENGINEER TRICIA H. SMITH No. PE027177 PROFESSIONAL
x 1,744.5
x 84,438

CITY OF ATLANTA DEPARTMENT OF watershed management

JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

SITE PLAN

No.	Description	Date
A	SUBMIT FOR PERMIT REVIEW	12/5/2016
B	90% SUBMITAL - FOR CITY REVIEW	2/15/2017
C	90% SUBMITAL - FOR CITY REVIEW	5/12/2017

PROJECT NO: 7832-E
DESIGNED BY: JP2
DRAWN BY: MM / SF
CHECKED BY: TTH
DATE:
SCALE: 1" = 30'

DRAWING NO.
C-104A

SHEET

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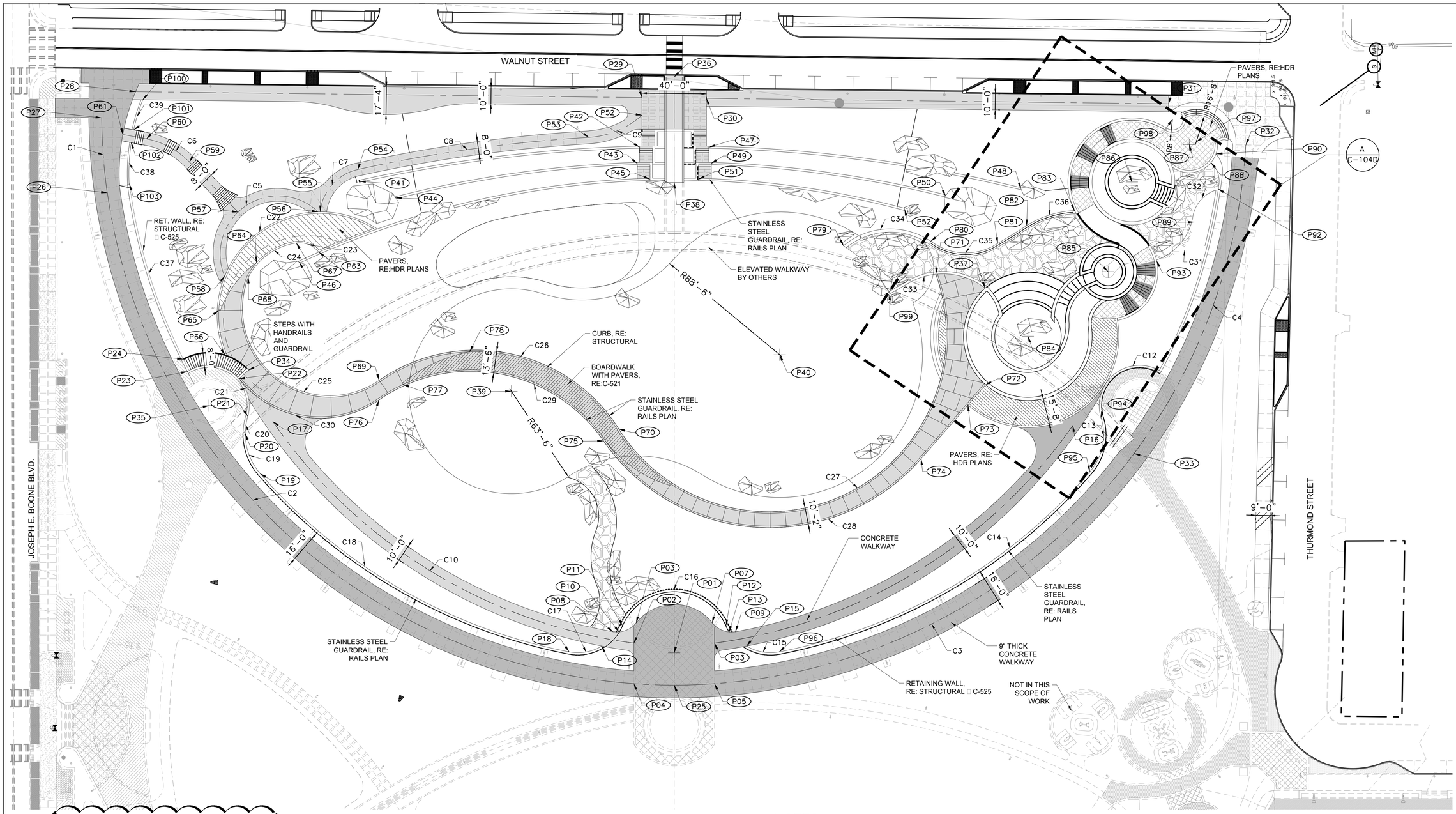

PAVING LEGEND:

1

- 6" THICK CONCRETE WALKWAYS WITH GRACE TOP-CAST SURFACE RETARDER
- 9" THICK CONCRETE MAINTENANCE ACCESS/ WALKWAYS WITH GRACE TOP-CAST SURFACE RETARDER
- CONCRETE PAVERS, RE: HDR PLANS
- SOLID GRANITE STEPS
- GROUTED GRANITE STONE – 6" MINIMUM TO 12" MAX. DIAMETER

LEGEND:

- NOT IN THIS SCOPE OF WORK
- SITE BOULDERS, RE:C-126
- CENTERLINE
- WALLS / RETAINING WALLS, RE:STRUCTURAL & C-525
- EXPANSION JOINT
- CONTROL JOINT
- PXXX SITE COORDINATES, RE:104E
- CXX CURVE DATA, RE:104E

NOTES:

1. HIGH ACCURACY SURVEY-GRADE GPS REQUIRED FOR STAKING-OUT AND LOCATING POINTS. CONTACT JP2 FOR BASE FILE INFORMATION.
2. WRITTEN DIMENSIONS AND COORDINATES (SEE C-104B) SHALL GOVERN OVER SCALED DRAWINGS.
3. ALL IMPROVEMENTS SHALL BE STAKED IN THE FIELD BY THE CONTRACTOR AND APPROVED BY THE PROJECT ENGINEER OR OWNER PRIOR TO CONSTRUCTION.
4. REFER TO SHEETS C-102 & C103 FOR BENCHMARKS AND DEMOLITION INFORMATION.
5. REFER TO SHEETS C-106A & C-106B FOR GRADING INFORMATION.
6. REFER TO SHEETS C-105A THROUGH C-105D FOR STORM DRAIN AND UTILITY INFORMATION.
7. ALL CONSTRUCTION WILL CONFORM TO CITY OF ATLANTA STANDARDS AND SPECIFICATIONS.
8. ALL DIMENSIONS SHOWN ARE TO FACE OF CURB, FACE OF WALL, FACE OF WALK OR FACE OF BUILDING UNLESS OTHERWISE SPECIFIED.
9. ALL NORTHING AND EASTING COORDINATE POINTS ARE TO BE THE CENTERPOINT, CORNER INTERSECTION, CENTER OF POLE, FENCE POST OR SIGN AND ALONG THE DESIGNATED CENTERLINES
10. LAYOUT AND GRADING FOR THE IMPROVEMENTS SHALL OCCUR AS DIRECTED WITH THE FOLLOWING GUIDELINES:
    - ALL WALKS SHALL HAVE A MAXIMUM CROSS SLOPE OF 2% IN THE DIRECTION OF THE DOWNHILL SIDE
    - THE LONGITUDINAL SLOPE OF THE WALKS/TRAILS SHALL BE NO GREATER THAN 5%
    - ALL GRADES SHALL BE FINISHED TO A SMOOTH, FLOWING CONTOUR, MAINTAINING EXISTING FLOW PATTERNS UNLESS DIRECTED OTHERWISE

N

0 15' 30' 60'

SCALE IN FEET

Know what's **below.** **Call** before you dig.

GEORGIA REGISTERED No. PE007177 PROFESSIONAL ENGINEER TRICIA H. WHITLEY 10/23/17

CITY OF ATLANTA DEPARTMENT OF watershed management

JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT

UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT

RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

LAYOUT PLAN

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	10/2/2017
1	REV. 1 - ISSUED FOR CONSTRUCTION	10/23/2017

PROJECT NO:
DESIGNED BY: JP2
DRAWN BY: MM / SF
CHECKED BY: TTH
DATE: 10-23-2017
SCALE: 1" = 30'

DRAWING NO.
C-104C

SHEET OF

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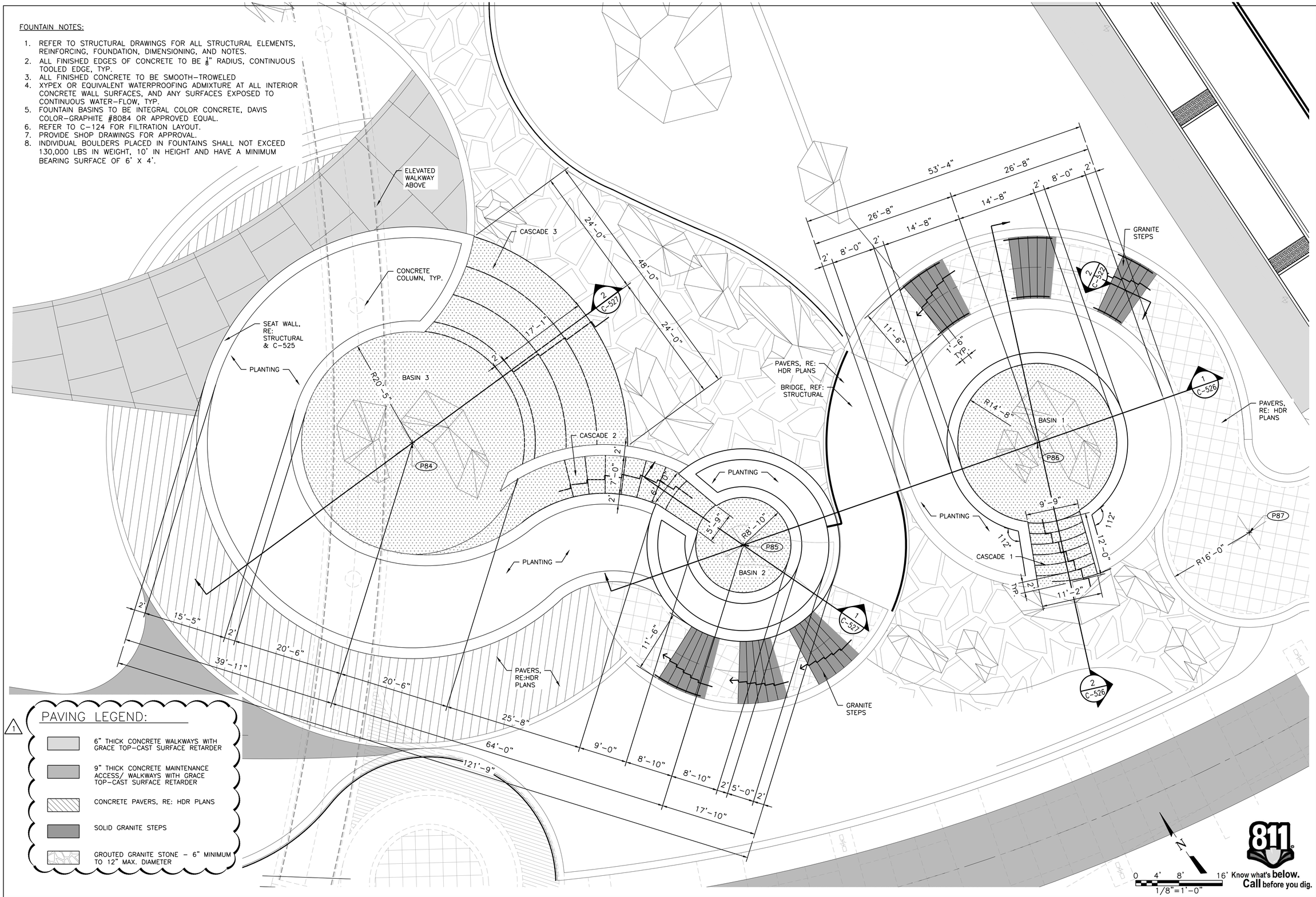
Plot Date: 10/20/2017 5:48 PM Plot By: 02589 Filename: N:\LA\100%\Drawings\CV-JP2-PL-SITEPLAN.dwg

FOUNTAIN NOTES:

1. REFER TO STRUCTURAL DRAWINGS FOR ALL STRUCTURAL ELEMENTS, REINFORCING, FOUNDATION, DIMENSIONING, AND NOTES.
2. ALL FINISHED EDGES OF CONCRETE TO BE $\frac{1}{2}$" RADIUS, CONTINUOUS TOOLED EDGE, TYP.
3. ALL FINISHED CONCRETE TO BE SMOOTH-TROWELED
4. XYPEX OR EQUIVALENT WATERPROOFING ADMIXTURE AT ALL INTERIOR CONCRETE WALL SURFACES, AND ANY SURFACES EXPOSED TO CONTINUOUS WATER-FLOW, TYP.
5. FOUNTAIN BASINS TO BE INTEGRAL COLOR CONCRETE, DAVIS COLOR-GRAPHITE #8084 OR APPROVED EQUAL.
6. REFER TO C-124 FOR FILTRATION LAYOUT.
7. PROVIDE SHOP DRAWINGS FOR APPROVAL.
8. INDIVIDUAL BOULDERS PLACED IN FOUNTAINS SHALL NOT EXCEED 130,000 LBS IN WEIGHT, 10' IN HEIGHT AND HAVE A MINIMUM BEARING SURFACE OF 6' X 4'.



1

PAVING LEGEND:

- 6" THICK CONCRETE WALKWAYS WITH GRACE TOP-CAST SURFACE RETARDER
- 9" THICK CONCRETE MAINTENANCE ACCESS/ WALKWAYS WITH GRACE TOP-CAST SURFACE RETARDER
- CONCRETE PAVERS, RE: HDR PLANS
- SOLID GRANITE STEPS
- GROUTED GRANITE STONE - 6" MINIMUM TO 12" MAX. DIAMETER

N

0 4' 8' 16'

1/8"=1'-0"

811 Know what's below. Call before you dig.

GEORGIA REGISTERED No. PE007177 PROFESSIONAL ENGINEER TRICIA H. MATTHEW 10/23/17

CITY OF ATLANTA DEPARTMENT OF watershed management

JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

FOUNTAIN ENLARGEMENT PLAN

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	10/2/2017
1	REV. 1 - ISSUED FOR CONSTRUCTION	10/23/2017

PROJECT NO:
DESIGNED BY: JP2
DRAWN BY: MM / SF
CHECKED BY: TTH
DATE: 10-23-2017
SCALE: 1/8" 1'-0"

DRAWING NO.
C-104D

SHEET OF

ACAD Rel: 20.0s (LMS Tech)
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COORDINATE POINTS		
POINT NO.	NORTHING	EASTING
P01	1368657.01	2223360.51
P02	1368682.01	2223366.48
P03	1368632.01	2223366.48
P04	1368682.01	2223341.35
P05	1368632.01	2223341.35
P06	1368680.59	2223379.06
P07	1368633.43	2223379.06
P08	1368695.01	2223373.57
P09	1368619.02	2223373.57
P10	1368691.22	2223373.38
P11	1368689.15	2223377.33
P12	1368624.88	2223377.33
P13	1368622.81	2223373.38
P14	1368701.89	2223364.67
P15	1368612.08	2223364.64
P16	1368409.90	2223501.27
P17	1368905.76	2223503.61
P18	1368722.17	2223361.09
P19	1368913.68	2223471.46
P20	1368922.97	2223496.26
P21	1368921.38	2223507.08
P22	1368958.90	2223534.75
P23	1368926.91	2223530.37
P24	1368961.35	2223542.40
P25	1368657.01	2223340.47
P26	1369008.49	2223645.55
P27	1369012.00	2223691.99
P28	1368990.95	2223708.20
P29	1368677.01	2223704.54
P30	1368637.01	2223704.09
P31	1368350.45	2223700.75
P32	1368302.60	2223675.12
P33	1368371.86	2223484.01
P34	1368921.09	2223535.61
P35	1368945.50	2223513.65
P36	1368657.01	2223717.37
P37	1368464.24	2223586.44
P38	1368657.01	2223651.93
P39	1368757.95	2223522.56
P40	1368591.60	2223545.19

COORDINATE POINTS		
POINT NO.	NORTHING	EASTING
P41	1368852.10	2223652.75
P42	1368678.51	2223673.87
P43	1368680.01	2223663.75
P44	1368829.80	2223642.49
P45	1368672.01	2223653.93
P46	1368889.55	2223602.62
P47	1368635.51	2223673.79
P48	1368442.06	2223648.10
P49	1368634.01	2223663.75
P50	1368488.85	2223643.65
P51	1368642.01	2223653.93
P52	1368514.11	2223635.26
P52	1368677.01	2223693.59
P53	1368709.88	2223679.92
P54	1368853.21	2223660.01
P55	1368876.51	2223633.82
P56	1368877.80	2223633.80
P57	1368927.47	2223633.60
P58	1368935.78	2223593.84
P59	1368957.58	2223664.63
P60	1368984.25	2223678.95
P61	1368998.87	2223681.69
P62	1368841.10	2223623.16
P63	1368877.47	2223608.80
P64	1368916.07	2223602.27
P65	1368939.40	2223572.64
P66	1368935.49	2223545.09
P67	1368891.36	2223614.48
P68	1368921.09	2223593.23
P69	1368839.95	2223529.42
P70	1368691.38	2223499.21
P71	1368494.84	2223595.09
P72	1368463.94	2223526.56
P73	1368474.89	2223514.03
P74	1368503.96	2223480.73
P75	1368700.91	2223491.85
P76	1368840.05	2223517.19
P77	1368825.15	2223526.81
P78	1368783.73	2223547.05
P79	1368552.07	2223612.77

COORDINATE POINTS		
POINT NO.	NORTHING	EASTING
P80	1368497.94	2223615.54
P81	1368456.45	2223614.20
P82	1368438.51	2223625.22
P83	1368408.75	2223634.52
P84	1368437.74	2223556.63
P85	1368387.93	2223596.70
P86	1368373.26	2223652.27
P87	1368337.64	2223675.45
P88	1368324.13	2223664.32
P89	1368334.65	2223627.46
P90	1368321.21	2223669.67
P91	1368356.27	2223535.44
P92	1368319.68	2223647.92
P93	1368357.87	2223603.40
P94	1368392.37	2223506.12
P95	1368399.27	2223472.71
P96	1368591.85	2223361.09
P97	1368333.29	2223677.12
P98	1368348.07	2223690.97
P99	1368523.30	2223582.88
P100	1368986.52	2223703.15
P101	1368992.16	2223684.50
P102	1368993.63	2223676.67
P103	1368994.75	2223650.89

CURVE TABLE						
CURVE #	DELTA	RADIUS	ARC	TANGENT	BEARING	CHORD
C1	7.50	355.00	46.48	23.27	S85° 48' 35"W	46.45
C2	81.92	355.00	507.55	308.15	S40° 57' 30"W	465.42
C3	53.44	355.00	331.11	178.70	S26° 43' 15"E	319.24
C4	33.27	355.00	206.16	106.08	S70° 04' 40"E	203.27
C5	155.91	36.00	97.96	168.72	N34° 34' 35"W	70.41
C6	35.25	50.00	30.76	15.88	N28° 14' 22"E	30.28
C7	71.51	30.00	37.44	21.60	N48° 20' 40"W	35.06
C8	9.14	908.00	144.86	72.59	N7° 54' 30"W	144.71
C9	38.49	54.00	36.27	18.85	S22° 34' 51"E	35.59
C10	47.77	324.06	270.19	143.50	S31° 30' 10"W	262.43
C11	47.26	324.06	267.33	141.80	S31° 15' 01"E	259.81
C26	92.43	105.00	169.39	109.55	N11° 29' 39"E	151.61
C27	166.98	110.00	320.57	963.74	S25° 46' 45"E	218.58
C28	104.19	125.00	227.31	160.55	S3° 13' 43"W	197.26
C29	90.00	100.00	157.09	100.01	N10° 19' 21"E	141.43
C30	85.55	64.00	95.56	59.21	S8° 05' 35"W	86.92

GEORGIA REGISTERED PROFESSIONAL ENGINEER TRICIA H. WHITLEY No. PE007177 9/29/17

CITY OF ATLANTA DEPARTMENT OF watershed management
JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT

UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT

RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

COORDINATES FOR LAYOUT PLANS

No.	Description	Date
A	SUBMIT FOR PERMIT REVIEW	12/5/2016
B	90 % SUBMITTAL - FOR CITY REVIEW	2/15/2017
C	90 % SUBMITTAL - FOR CITY REVIEW	5/12/2017

PROJECT NO: 7832-E
DESIGNED BY: JP2
DRAWN BY: MM / SF
CHECKED BY: TTH
DATE:
SCALE:

DRAWING NO.
C-104E

SHEET

ACAD Rel: 20.0s (LMS Tech)
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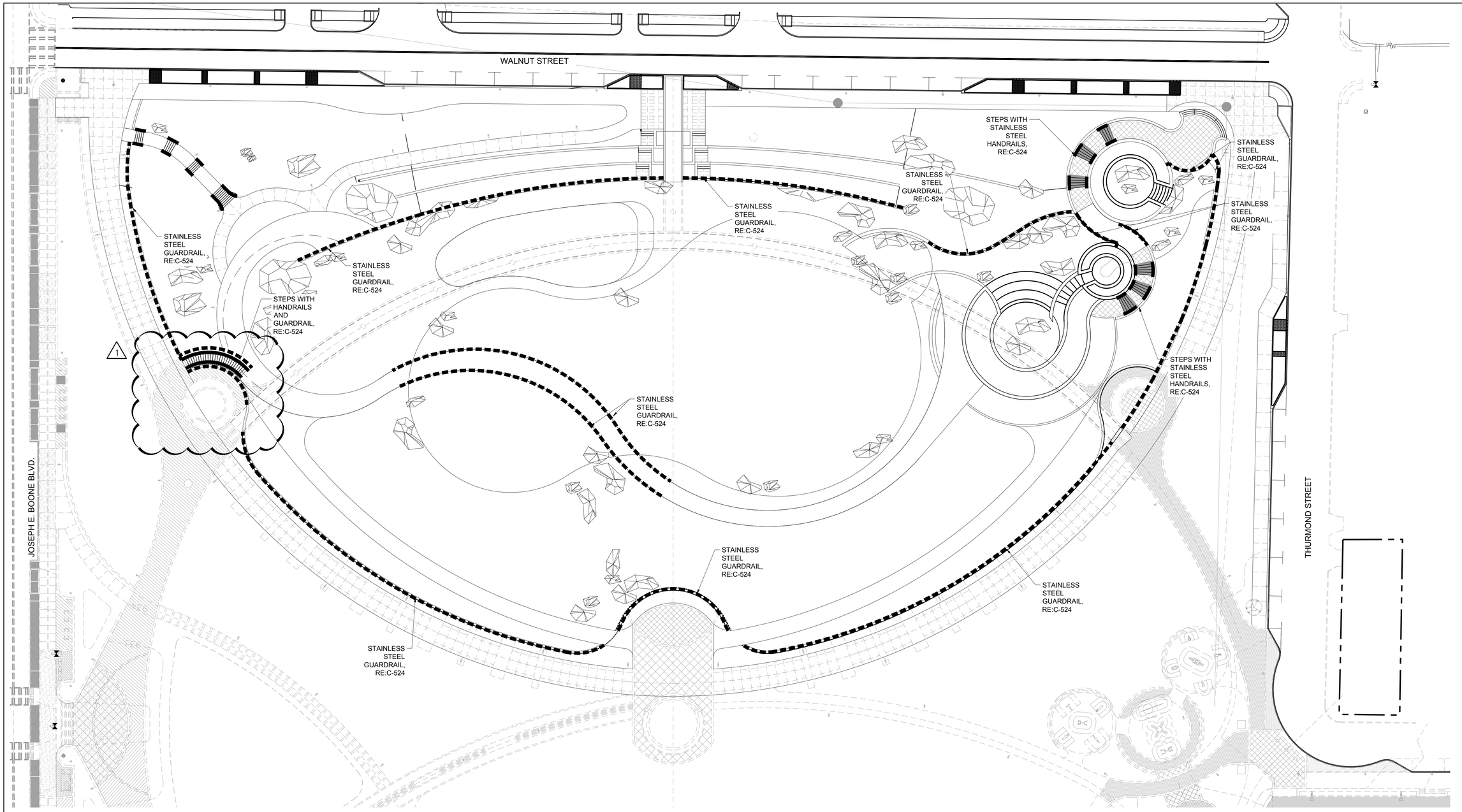

LEGEND:

- TYPICAL SITE GUARDRAIL, RE: 2/C-524
- HANDRAIL, RE: 4/C-524
- GUARDRAIL AND HANDRAIL

NOTES:

1. STAINLESS STEEL SHALL MEET:
   TUBING: ASTM A554
   PIPE: ASTM A312 / A312M
   CASTING: ASTM A743 / A743M
2. WELDING QUALIFICATIONS: QUALIFY PROCEDURES AND PERSONNEL ACCORDING TO THE FOLLOWING: AWS D1.6, "STRUCTURAL WELDING CODE – STAINLESS STEEL."
3. SUBMIT SHOP DRAWING TO OWNER FOR REVIEW PRIOR TO FABRICATION. SHOP DRAWINGS SHALL INCLUDE SECTIONS AND ELEVATIONS, SHOWING POST LOCATIONS, MATERIALS, DIMENSIONS, AND WELD INFORMATION. CONTRACTOR SHALL FIELD MEASURE PIOR TO PREPARATION OF SHOP DRAWINGS.
4. TOP RAIL SHALL BE FABRICATED FROM 1 1/2" ACTURAL O.D. ROUND 11 GA. WALL BRUSH FINISH STAINLESS STEEL TUBE.
5. POSTS SHALL REMAIN VERTICAL IF GUARDRAIL/HANDRAIL IS SLOPING.
6. STICK WELD ALL JOINTS. GRIND WELDS SMOOTH. EDGES SHALL HAVE 1/8" MIN. RADIUS.
7. CONTRACTOR SHALL SUBMIT CUT SHEET TO HARDWARE FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
8. HANDRAIL GRIPPING SURFACE SHALL HAVE 1.5" MIN. CLEARANCE FROM THE SURFACE OF ADJACENT WALL.
9. ENSURE ADA COMPLIANCE

Know what's below. Call before you dig.

GEORGIA REGISTERED No. PE027177 PROFESSIONAL ENGINEER TRICIA H. THOMAS 10/23/17

CITY OF ATLANTA DEPARTMENT OF watershed management
JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

RAILS PLAN

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	10/2/2017
1	REV. 1 - ISSUED FOR CONSTRUCTION	10/23/2017

PROJECT NO:	
DESIGNED BY:	JP2
DRAWN BY:	MM / SF
CHECKED BY:	TTH
DATE:	10-23-2017
SCALE:	1" = 30'

DRAWING NO.
C-104F

SHEET OF

ACAD Rel: 20.0s (LMS Tech)
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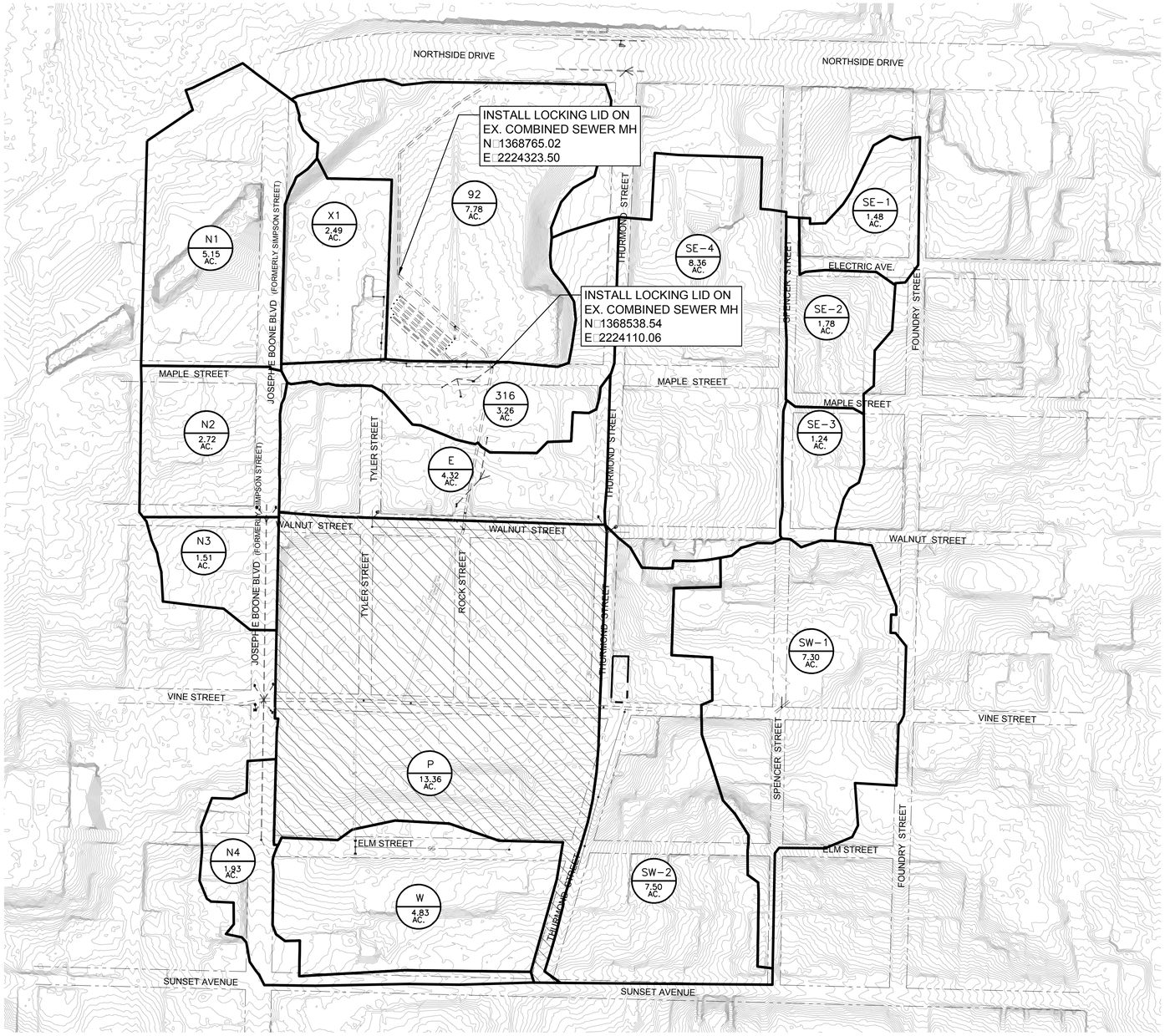
Plot Date: 10/20/2017 5:47 PM Plot By: 02589 Filename: N:\LA\100%\Drawings\CV-JP2-PL-SITEPLAN.dwg



LEGEND:

- 1-FT CONTOURS
- WATERSHED BOUNDARIES
- X / XXXX AC. — DRAINAGE AREA / ACREAGE
- PROJECT WORK AREA

NOTES:

1. DRAINAGE AREAS DEPICTED REPRESENT THE AREA TOPOGRAPHICALLY DRAINING TO POND POST-CONSTRUCTION (REFERRED TO AS "INITIAL" OR "PHASE A" CONDITIONS). POND AND PIPES WERE SIZED FOR AN ULTIMATE BUILD-OUT CONDITION WITH ADDITIONAL DRAINAGE AREAS (NOT SHOWN HERE) ENTERING THE POND IN THE FUTURE.
2. BETWEEN 30-40% OF THESE DRAINAGE AREAS WERE ASSUMED TO CONTINUE TO DRAIN TO THE COMBINED SEWER SYSTEM – REFER TO THE "CONTRIBUTING AREA" COLUMN BELOW FOR DETAILS.
3. FOR ADDITIONAL ASSUMPTIONS AND DETAILS REGARDING THE HYDRAULIC MODELING, REFER TO FREESE AND NICHOLS' "RODNEY COOK SR. PARK AT HISTORIC VINE CITY--HYDROLOGIC AND HYDRAULIC MODELING MEMO," DATED NOV 9, 2016 AND INCLUDED AS PART OF THE REFERENCE INFORMATION.
4. AREA X1 RUNOFF IS CURRENTLY COLLECTED IN THE COMBINED SEWER SYSTEM AND DOES NOT REACH THE POND SITE.
5. SOURCE OF THE EXISTING CONTOURS IS EXISTING 2014 1-FOOT LIDAR DATA.

Table 1. Drainage Area Peak Runoff Summary

ID	Area, ac	Contributing area, ac	Peak runoff, cfs		
			2y3h	25y4h	100y6h
P	13.36	13.36	23.1	59.1	79.4
W	4.83	3.38	5.7	14.6	19.9
316	3.26	2.28	4.4	10.5	13.9
92	7.78	7.00	20.2	37.2	46.4
E	4.32	3.02	6.3	14.0	18.5
N1	5.15	3.61	9.7	18.7	23.6
N2	2.72	1.91	4.6	9.4	12.1
N3	1.51	1.06	2.3	5.0	6.5
N4	1.93	1.35	3.2	6.7	8.6
SW1	7.30	4.38	8.4	20.3	26.8
SW2	7.50	4.50	5.6	16.9	24.2
SE1	1.48	0.89	1.5	3.8	5.1
SE2	1.78	1.07	2.0	4.9	6.5
SE3	1.24	0.74	1.5	3.5	4.6
SE4	8.36	5.02	9.5	23.3	30.7

N

0 150' 300'

SCALE IN FEET

GEORGIA REGISTERED No. PE027177 PROFESSIONAL ENGINEER TRICIA H. HILL 10/23/17

CITY OF ATLANTA DEPARTMENT OF watershed management
JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

DRAINAGE AREA MAP

No.	Description	Date
1	REV 1 - Issued for Construction	10/23/2017

PROJECT NO: 7832-E
DESIGNED BY: BMB
DRAWN BY: NO/ARC
CHECKED BY: THH
DATE:
SCALE:

DRAWING NO.
C-105A

SHEET

ACAD Rel: 20.0s (LMS Tech)
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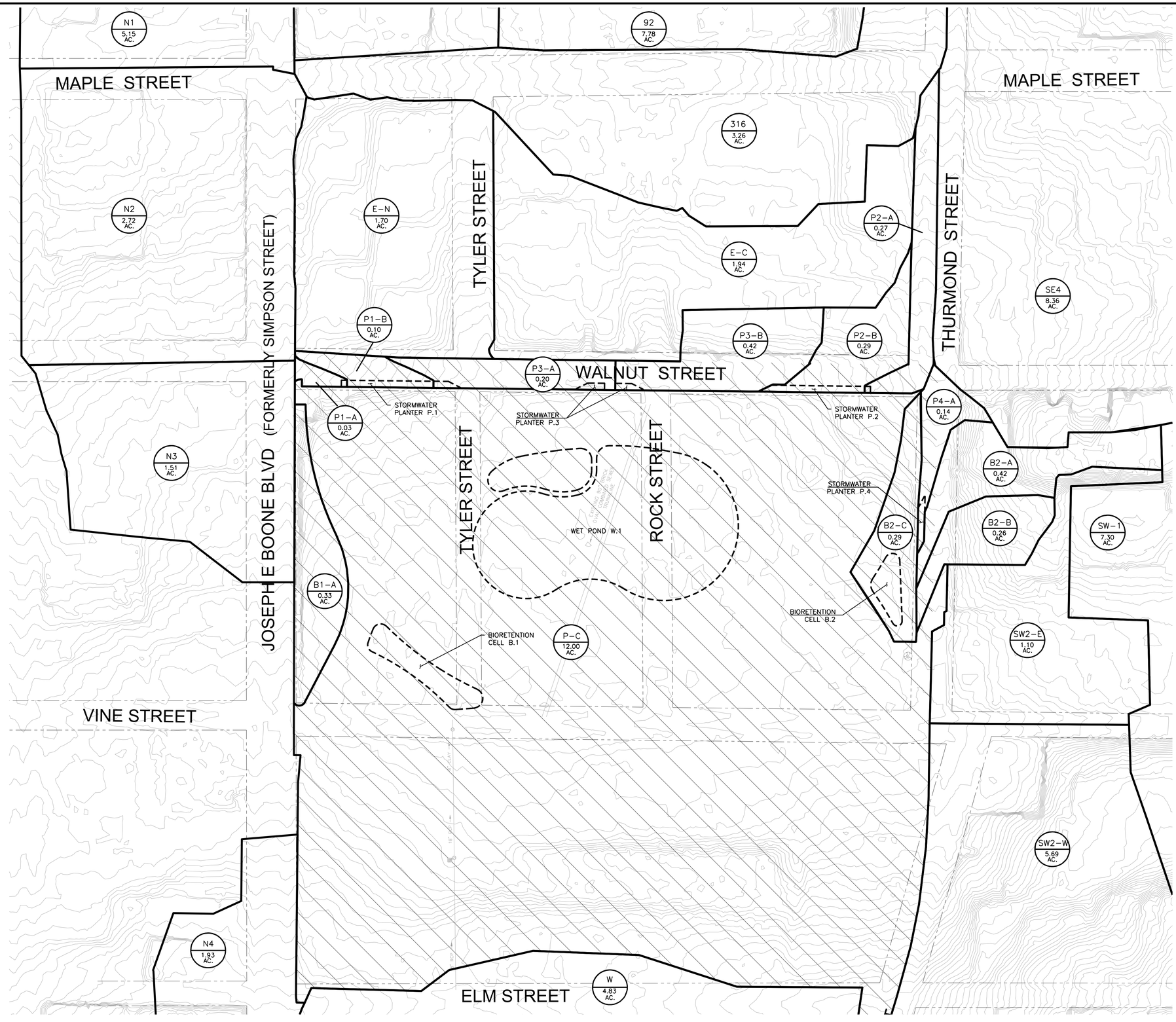

LEGEND:

- 1-FT CONTOURS
- WATERSHED BOUNDARIES
- X / XXXX AC. — DRAINAGE AREA / ACREAGE
- PROJECT WORK AREA

NOTES:

1. DRAINAGE AREAS DEPICTED REPRESENT THE AREAS DRAINING TO THE WATER QUALITY CONTROLS AND WERE USED IN THE SIZING OF THE WATER QUALITY CONTROLS. THESE DRAINAGE AREAS ARE SUB-BASINS OF THE OVERALL POND DRAINAGE AREAS SHOWN ON SHEET C-105A.

D.A. ID	Area (Ac)	Runoff Coefficient	Time of Concentration (min)	10-Year Flow (cfs)	25-Year Flow (cfs)	100-Year Flow (cfs)
P1-A	0.031	0.95	5.00	0.2	0.3	0.4
P1-B	0.099	0.78	5.00	0.6	0.8	1.1
P2-A	0.269	0.73	5.00	1.5	2.0	2.9
P2-B	0.290	0.55	5.00	1.2	1.6	2.3
P4-A	0.144	0.76	5.00	0.8	1.1	1.6
P3-A	0.199	0.90	5.00	1.4	1.8	2.6
P3-B	0.419	0.65	5.00	2.1	2.8	4.0
B2-A	0.422	0.50	12.29	1.1	1.4	2.1
B2-B	0.257	0.38	5.00	0.8	1.0	1.4
B2-C	0.295	0.34	10.61	0.6	0.7	1.1
B1-B	-	-	-	8.1	10.7	15.4

Note: Flow Rates for B1-B Provided by HDR

N

0 20' 40' 60' 120'
SCALE IN FEET

GEORGIA REGISTERED No. PE021717 PROFESSIONAL ENGINEER TRICIA H. HILL 10/23/17

CITY OF ATLANTA DEPARTMENT OF watershed management

JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

WATER QUALITY DRAINAGE AREA MAP

No.	Description	Date
1	REV 1 - Issued for Construction	10/23/2017

PROJECT NO: 7832-E
DESIGNED BY: BMB
DRAWN BY: NO/ARC
CHECKED BY: THH
DATE:
SCALE:

DRAWING NO.
C-105A1

SHEET

ACAD Rel: 20.0s (LMS Tech)
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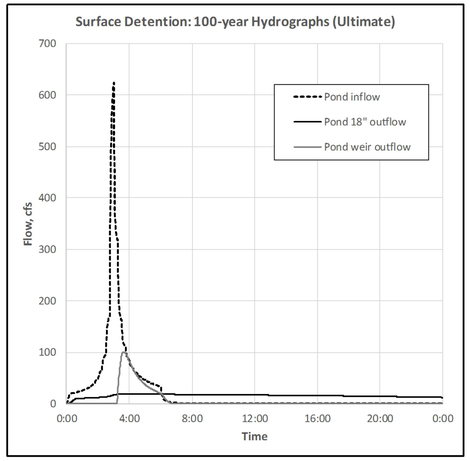
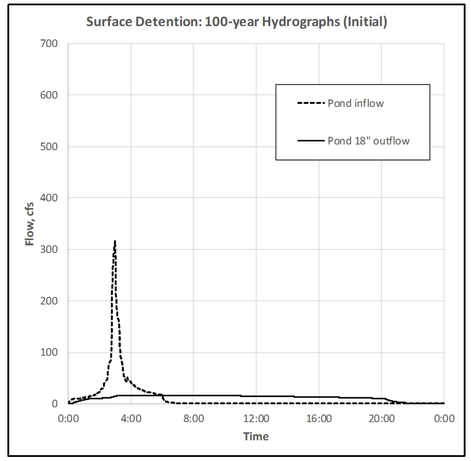
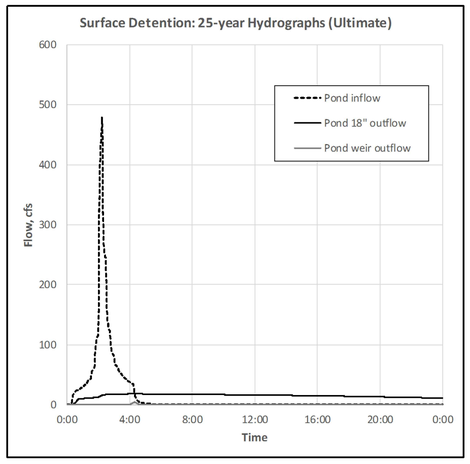
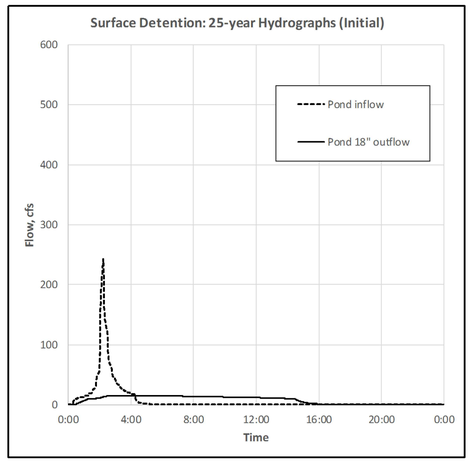
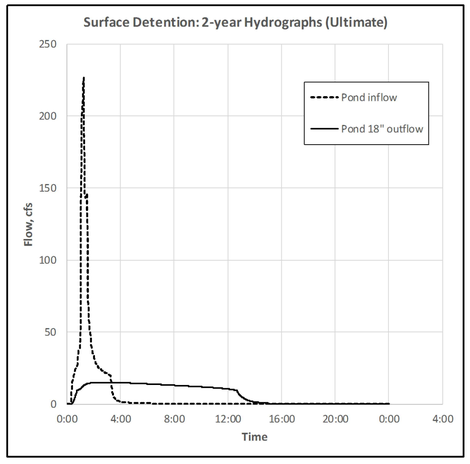
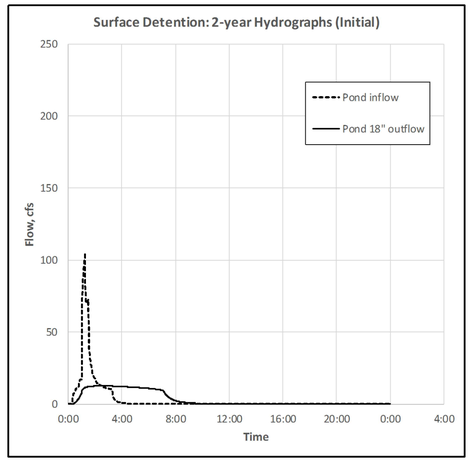












Return event	Peak inflow (cfs)	Peak 18" outflow (cfs)	Peak weir outflow (cfs)	Total peak outflow (cfs)	Peak flow reduction	Peak WSEL	Max storage (ac-ft)
100-yr, 6-hr	317	17	0	17	95%	930.06	16.4
100-yr, 24-hr	208	15	0	15	93%	927.81	8.2
25-yr, 4-hr	242	16	0	16	94%	928.80	11.2
10-yr,-4-hr	198	15	0	15	93%	927.92	8.5
5-yr, 3-hr	162	14	0	14	91%	927.20	6.5
2-yr, 3-hr	105	13	0	13	88%	926.25	4.1

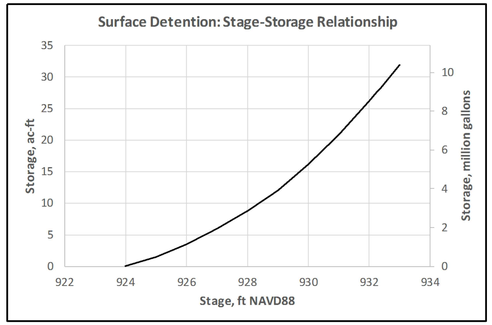
Geometry							Hydraulic Results (100-yr, 6-hr Event)					
Description	Start Node	Stop Node	Invert (Start) (ft)	Invert (Stop) (ft)	Length (ft)	Pipe Size	Peak Flow (ft^3/s)	Peak Velocity (ft/s)	Hydraulic Grade Line (In) (ft)	Hydraulic Grade Line (Out) (ft)	Energy Grade Line (In) (ft)	Energy Grade Line (Out) (ft)
Maple/Walnut Line - 48"	ParkingDischarge	PH2-16	928.55	928.16	64	48"	44.6	6.5	930.56	930.35	931.33	930.97
	PH2-16	PH2-5	928.16	926.35	320	48"	57.3	7.5	930.31	930.07	931.42	930.07
	PH2-5	B2Diversion	926.35	925.74	80	48"	74.8	10.3	930.07	930.07	930.24	930.07
	B2Diversion.	Pond	925.74	925.00	48	58.5x36"	68.3	6.9	930.07	930.06	930.07	930.07
Maple/Walnut Low-Flow Line - 18"	B2Diversion	Pond	925.74	925.00	50	18"	7.9	4.2	932.44	932.42	932.45	932.43
Pond Inflow from Boone/Elm - 51"x31" arch	BooneJB1	Pond	925.72	925.00	95	51"x31"	70.2	7.1	932.45	932.42	932.49	932.45
Pond Outfall - 18"	StormRax	OutfallFlap	921.50	920.51	160	18"	16.8	8.7	929.24	925.14	930.32	926.33

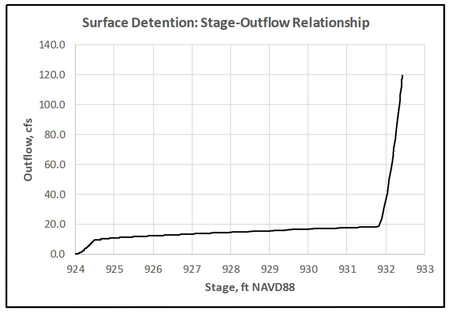
SUMMARY OF HYDRAULIC RESULTS (INITIAL)

Return event	Peak inflow (cfs)	Peak 18" outflow (cfs)	Peak weir outflow (cfs)	Total peak outflow (cfs)	Peak flow reduction	Peak WSEL	Max storage (ac-ft)
100-yr, 6-hr	623	19	100	119	81%	932.42	28.4
100-yr, 24-hr	415	18	0	18	96%	931.38	22.7
25-yr, 4-hr	479	18	4	22	96%	931.87	25.4
10-yr,-4-hr	394	17	0	17	96%	930.74	19.6
5-yr, 3-hr	330	16	0	16	95%	929.74	15.0
2-yr, 3-hr	226	15	0	15	93%	928.47	10.1

Geometry							Hydraulic Results (100-yr, 6-hr Event)					
Description	Start Node	Stop Node	Invert (Start) (ft)	Invert (Stop) (ft)	Length (ft)	Pipe Size	Peak Flow (ft^3/s)	Peak Velocity (ft/s)	Hydraulic Grade Line (In) (ft)	Hydraulic Grade Line (Out) (ft)	Energy Grade Line (In) (ft)	Energy Grade Line (Out) (ft)
Maple/Walnut Line - 48" to 58.5"x36"	ParkingDischarge	PH2-16	928.55	928.16	64	48"	38.8	5.4	932.51	932.51	932.52	932.52
	PH2-16	PH2-5	928.16	926.35	320	48"	50.9	4.6	932.50	932.47	932.52	932.49
	PH2-5	B2Diversion	926.35	925.74	80	48"	68.9	5.9	932.46	932.45	932.48	932.47
	B2Diversion.	Pond	925.74	925.00	48	58.5x36"	60.8	4.8	932.44	932.42	932.45	932.44
Maple/Walnut Low-Flow Line - 18"	B2Diversion	Pond	925.74	925.00	50	18"	7.9	4.2	932.44	932.42	932.45	932.43
Pond Inflow from Walnut/Thurmond - 60"	PH2-1	PH2-1b	927.67	927.28	39	60"	307.6	15.0	935.07	934.52	938.55	938.01
	PH2-1b	Pond	927.28	926.54	74	60"	307.5	16.5	932.48	932.42	936.00	935.28
Walnut South Stub - 42"	PH2-2	PH2-1	938.75	930.00	417	42"	118.2	13.7	943.24	937.54	945.27	939.49
Thurmond East Stub - 54"	PH2-14	PH2-1	938.35	930.00	316	54"	193.0	19.2	941.34	937.54	946.86	939.61
Pond Inflow from Vine/Thurmond - 65"x40" arch	ThurmondMH	Pond	927.06	926.50	139	65"x40"	98.3	6.6	932.45	932.42	932.48	932.45
Pond Inflow from Boone/Elm - 51"x31" arch	BooneJB1	Pond	925.72	925.00	95	51"x31"	70.2	7.1	932.45	932.42	932.49	932.45
Pond Outfall - 18"	StormRax	OutfallFlap	921.50	920.51	160	18"	18.9	9.7	931.45	926.27	932.73	927.71

SUMMARY OF HYDRAULIC RESULTS (ULTIMATE)





STAGE STORAGE–OUTFLOW CURVES

Stage, ft NAVD88	Plan Area, sq ft	Storage, ac-ft	Storage, mgal	Outflow, cfs
924	46,835	0.00	0.00	0.0
925	76,079	1.41	0.46	10.8
926	103,967	3.48	1.13	12.3
927	113,579	5.97	1.95	13.6
928	122,224	8.68	2.83	14.7
929	166,888	12.00	3.91	15.8
930	192,025	16.12	5.25	16.7
931	218,071	20.83	6.79	17.7
932	239,679	26.08	8.50	37.0
932.3	246,014	27.75	9.04	91.0
932.4	248,126	28.32	9.23	113.8
933	260,795	31.83	10.37	-

NOTES:

1. HYDROLOGIC AND HYDRAULIC CALCULATIONS WERE PERFORMED USING INNOVYZE ICM 7.0 SOFTWARE. FOR ADDITIONAL ASSUMPTIONS AND DETAILS, REFER TO FREESE AND NICHOLS "RODNEY COOK SR. PARK AT HISTORIC VINE CITY–HYDROLOGIC AND HYDRAULIC MODELING MEMO," DATED NOV. 9 2016 AND INCLUDED AS PART OF THE REFERENCE INFORMATION.
2. 'INITIAL" CONDITIONS DESCRIBE SITE CONDITIONS AFTER THIS PROJECT IS COMPLETE. "ULTIMATE" CONDITIONS DESCRIBE SITE CONDITIONS AFTER FULL–WATERSHED BUILDOUT OF SEPARATE STORM SEWER SYSTEMS.

GEORGIA REGISTERED No. PE031717 PROFESSIONAL ENGINEER TRICIA H. HATHAWAY 10/23/17

CITY OF ATLANTA DEPARTMENT OF watershed management
JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

HYDRAULIC CALCULATIONS

No.	Description	Date
1	REV 1 - Issued for Construction	10/23/2017

PROJECT NO: 7832-E
DESIGNED BY: KKP
DRAWN BY: NO/ARC
CHECKED BY: THH
DATE:
SCALE:

DRAWING NO.
C-105B

SHEET

ACAD Rel: 20.0s (LMS Tech)
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Last Saved: 10/12/2017 5:50 PM Saved By: jgj
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WATER QUALITY VOLUME CALCUATIONS

BMP ID	BMP Type	Phase	Contributing Basins	Contributing Area (ac.)	Basin Impervious Cover (%)[1]	Contributing Sub-basins	Sub-basin Drainage Area (ac.)	Sub-basin Impervious Cover (%)	Total BMP Contributing Area (ac)	Water Quality Volume Calculations: Composite Impervious Cover (%)	Volumetric Runoff Coefficient	Target Rainfall (in.)	Target Water Quality Volume (cf.)	Carryover Volume (cf.)	Total Contributing Volume (cf.)	BMP Area (sf.)	Maximum Allowable Ponding Depth (in.)	Surface Volume Provided (cf.)	Engineered Soil Mix Depth (ft)	Engineered Soil Mix Porosity	Choker Course Depth (in.)	Choker Course Porosity	Total BMP Storage Volume (cf.)	Bypass Volume (cf)	Bypass BMP ID	Total Volume Treated (cf)
P.1	Planter	Initial/Ultimate	P1-A	0.03	100.00	P1-A	0.03	100.00	0.13	82.50	0.79	1.2	448	0	448	1,107	9.0	415	3.0	0.25	8	0.4	1,541	0	P.3	1,541
			P1-B	0.10	77.12	P1-B	0.10	77.12																		
P.2	Planter	Initial/Ultimate	P2-A	0.27	70.25	P2-A	0.27	70.25	0.56	57.02	0.56	1.2	1,370	0	1,370	1,022	9.0	383	3.0	0.25	8	0.4	1,422	0	P.3	1,422
			P2-B	0.29	44.73	P2-B	0.29	44.73																		
P.3	Planter	Initial/Ultimate	P3-A	0.20	93.81	P3-A	0.20	93.81	0.62	72.13	0.70	1.2	1,883	0	1,883	447	9.0	335	3.0	0.25	8	0.4	790	1,093	W.1	790
			P3-B	0.42	61.85	P3-B	0.42	61.85																		
P.4	Planter	Initial/Ultimate	P4-A	0.14	73.75	P4-A	0.14	73.75	0.14	73.75	0.71	1.2	448	0	448	444	9.0	167	3.0	0.25	8	0.4	618	0	B.2	618
B.1	Bioretention	Initial/Ultimate	W	3.38	39.61	W	3.38	39.61	3.71	36.93	0.38	1.2	6,177	0	6,177	2,416	9.0	333	3.0	0.25	8	0.4	2,789	3,389	W.1	2,789
			B1-A	0.33	9.18	B1-A	0.33	9.18																		
B.2	Bioretention	Initial/Ultimate	B2-C	0.29	16.68	B2-C	0.29	16.68	0.97	5.14	0.10	1.2	408	0	408	1,959	9.0	548	3.0	0.25	8	0.4	2,540	0	W.1	2,540
			B2-A	0.42	0.18	B2-A	0.42	0.18																		
			B2-B	0.26	0.07	B2-B	0.26	0.07																		
W.1	Wet Pond	Initial	P	13.36	40.16	P-C	12.00	36.31	45.64	48.34	0.49	1.2	96,427	4,482	238,438	-	-	126,039	-	-	-	-	126,039	107,917	None	126,039
			E	3.02	52.67	E-C	1.36	52.67																		
			E	3.02	52.67	E-N	1.19	52.67																		
			SE1	0.89	41.04	SE1	0.89	41.04																		
			SE2	1.07	40.13	SE2	1.07	40.13																		
			SE3	0.74	43.02	SE3	0.74	43.02																		
			SE4	5.02	41.46	SE4	5.02	41.46																		
			SW1	4.38	43.56	SW1	4.38	43.56																		
			SW2	4.50	28.75	SW2-E	0.66	28.75																		
			SW2	4.50	28.75	SW2-W	3.41	28.75																		
			N1	3.60	68.42	N1	3.60	68.42																		
			N2	1.91	62.45	N2	1.91	62.45																		
			N3	1.06	53.60	N3	1.06	53.60																		
			N4	1.35	52.90	N4	1.35	52.90																		
			92	7.00	73.60	92	7.00	73.60																		
			316	2.28	45.37	316	2.28	45.37																		
		Ultimate (including Initial)	108	3.61	68.33	108	3.61	68.33	97.28	55.79	0.55	1.2	233,956			-	-	126,039	-	-	-	-	126,039			
			120	0.99	7.41	120	0.99	7.41																		
			124	3.16	39.78	124	3.16	39.78																		
			125	1.49	42.85	125	1.49	42.85																		
			126	1.38	36.46	126	1.38	36.46																		
			127	3.91	68.76	127	3.91	68.76																		
			135	2.88	37.66	135	2.88	37.66																		
			143	0.58	47.11	143	0.58	47.11																		
			227	0.47	47.15	227	0.47	47.15																		
			292	1.18	37.66	292	1.18	37.66																		
			293	1.07	36.21	293	1.07	36.21																		
			296	0.14	36.10	296	0.14	36.10																		
			297	0.97	36.13	297	0.97	36.13																		
			298	0.79	36.10	298	0.79	36.10																		
			299	0.16	47.15	299	0.16	47.15																		
			300	0.56	42.85	300	0.56	42.85																		
			301	0.66	37.66	301	0.66	37.66																		
			303	1.18	30.68	303	1.18	30.68																		
			306	3.15	70.34	306	3.15	70.34																		
			313	12.03	100.00	313	12.03	100.00																		
			314	2.68	64.46	314	2.68	64.46																		
			123	1.13	46.78	123	1.13	46.78																		
			339	0.79	44.19	339	0.79	44.19																		
			77	3.34	65.82	77	3.34	65.82																		
			115	0.68	44.19	115	0.68	44.19																		
			338	0.40	46.17	338	0.40	46.17																		

[1] Impervious cover percentages as provided by Arcadis.

Total Target WQ Volume - Initial Phase (cf.) 107,161

Total Target WQ Volume - Ultimate Phase (cf.) 244,690

Total Treatment Provided (cf.) 135,738

CURB CUT SUMMARY TABLE

ON-GRADE CALCS

Inlet		Peak Discharge										Gutter Analysis						Curb Inlet Analysis							
ID	Location	D.A. ID	Area (Ac)	C_f	C	Tc (min)	Year Design Storm	Intensity (in/hr)	Q (cfs)	CO (cfs)	Q_a (cfs)	n	S_L (ft/ft)	S_X (ft/ft)	d (ft)	Max Depth (ft)	Depth Check	T (ft)	a (ft)	W (ft)	L_T	L	E	Q_i (cfs)	Q_{pass} (cfs)	Bypass Inlet ID
P1-A	Walnut & Joseph E. Boone	P1-A	0.031	1.25	0.95	5.00	100	11.7	0.4	0.0	0.42	0.016	0.0500	0.0200	0.08	0.50	yes	3.85	0	2	21.29	2.00	0.16	0.07	0.35	P1-B
P1-B		P1-B	0.099	1.25	0.78	5.00	100	11.7	1.1	0.4	1.49	0.016	0.0140	0.0200	0.16	0.50	yes	7.84	0	2	24.64	2.00	0.14	0.21	1.28	P3-A
P2-A	Walnut & Thurmond	P2-A	0.269	1.25	0.73	5.00	100	11.7	2.9	0.0	2.88	0.016	0.0200	0.0200	0.19	0.50	yes	9.39	0	2	36.18	2.00	0.10	0.28	2.60	P2-B
P2-B		P2-B	0.290	1.25	0.55	5.00	100	11.7	2.3	2.6	4.92	0.016	0.0200	0.0200	0.23	0.50	yes	11.47	0	2	45.27	2.00	0.08	0.38	4.53	P3-B
P4-A	Thurmond & Walnut	P4-A	0.144	1.25	0.76	5.00	100	11.7	1.6	0.0	1.60	0.016	0.0200	0.0200	0.15	0.50	yes	7.53	0	2	28.23	2.00	0.12	0.20	1.40	B2-A
B2-A	Thurmond & Vine	B2-A	0.422	1.10	0.50	12.29	25	6.2	1.43	0.16	1.59	0.016	0.0093	0.0200	0.17	0.50	yes	8.68	0	2	22.41	5.66	0.41	0.65	0.94	B2-B
B2-B		B2-B	0.257	1.10	0.38	5.00	25	9.3	1.00	0.94	1.94	0.016	0.0093	0.0200	0.19	0.50	yes	9.35	0	2	24.36	5.66	0.38	0.74	1.21	None

*Note: Zero percent clogging factor applied to intercepted flow.

SAG CALCS

Inlet		Peak Discharge										Gutter Analysis						Curb Inlet Analysis					
ID	Location	D.A. ID	Area (Ac)	C_f	C	Tc (min)	Design Storm	Intensity (in/hr)	Q (cfs)	CO (cfs)	Q_a (cfs)	n	S_X (ft/ft)	d (ft)	Weir Depth (ft)	Depth Check	T (ft)	a (ft)	W (ft)	L_T	L	E	Q_i (cfs)
P3-A	Walnut Sag	P3-A	0.199	1.25	0.90	5.00	100	11.7	2.62	1.28	3.90	0.016	0.0200	0.26	0.70	yes	12.84	0	2	6.40	10.00	1.00	3.90
P3-B		P3-B	0.419	1.25	0.65	5.00	100	11.7	4.00	4.53	8.53	0.016	0.0200	0.43	0.70	yes	21.63	0	2	6.40	10.00	1.00	8.53

*Note: Zero percent clogging factor applied to intercepted flow.

LEGEND:

Q - Discharge Calculated for D.A.

CO - Carryover from upstream inlet

Q_a - Actual Discharge = Q+CO

n - Manning's roughness coefficient

S_L - Longitudinal slope of roadway

S_X - Cross-slope or Gutter Slope

d - Gutter depth of flow

T - Spread

a - depth of local depression

W - Width of local depression

L_T - curb inlet length required to interecept 100% of the gutter flow

L_{weir} - length of inlet required in sag location under Weir flow conditions

$L_{orifice}$ - length of inlet required in sag location under orifice flow conditions

L - Actual inlet length

E - Efficiency of inlet

Q_i - Actual inlet interception

Q_{pass} - Bypass flow

GRATE INLET SUMMARY TABLE

Maximum Head Above Grate Summary

Water Quality Control	Year Design Storm	Contributing Flow (cfs)	Weir Equation $Q = CLH^{1.5}$: Weir Discharge Coefficient	Length of Weir (ft)	Head Above Grate - Weir (in)	Orifice Equation $Q = CA(2gH)^{0.5}$: Orifice Discharge Coefficient	Orifice Opening Area (ft^2)	Head Above Grate - Orifice (in)	Controlling Head (in)	Max Allowable Head (in)
P1-A	100	0.1	2.70	2.35	0.59	0.67	0.40	0.01	0.6	9
P1-B	100	0.3	2.70	2.35	1.57	0.67	0.40	0.23	1.6	9
P2-A	100	0.3	2.70	2.35	1.57	0.67	0.40	0.23	1.6	9
P2-B	100	0.4	2.70	2.35	1.90	0.67	0.40	0.42	1.9	9
P3-A	100	4.0	2.70	3.35	6.97	0.67	0.90	8.20	8.2	15
P3-B	100	4.3	2.70	3.35	7.31	0.67	0.90	9.48	9.5	15
P4-A	100	0.2	2.70	2.35	1.20	0.67	0.40	0.10	1.2	9
B2	100	4.6	2.70	3.35	7.65	0.67	0.9	10.84	10.8	15
B1	10	8.1	2.70	3.35	11.15	0.67	0.9	33.62	33.6	36

Notes:

1. All weir lengths and orifice opening areas have been reduced by half to account for a 50% clogging factor.
2. P3-B has two grate inlets.

NOTES:

1. "INITIAL" CONDITIONS IN WATER QUALITY TABLE DESCRIBE SITE CONDITIONS AFTER THIS PROJECT IS COMPLETE. "ULTIMATE" CONDITIONS DESCRIBE SITE CONDITIONS AFTER FULL-WATERSHED BUILDOUT OF SEPARATE STORM SEWER SYSTEMS.
2. EACH STORMWATER PLANTER RISER PIPE (18" OR 24" RCP) AND BEEHIVE GRATE IS SET TO ALLOW NO MORE THAN 9" OF PONDING AFTER EACH STORM.

GEORGIA REGISTERED TRICIA HILTON 34127 PROFESSIONAL ENGINEER 10/13/17

CITY OF ATLANTA DEPARTMENT OF watershed management
JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

WATER QUALITY CALCULATIONS

No.	Description	Date
1	REV 1 - Issued for Construction	10/23/2017

PROJECT NO: 7832-E
DESIGNED BY: KKP
DRAWN BY: NO/ARC
CHECKED BY: THH
DATE:
SCALE:

DRAWING NO. C-105C

SHEET

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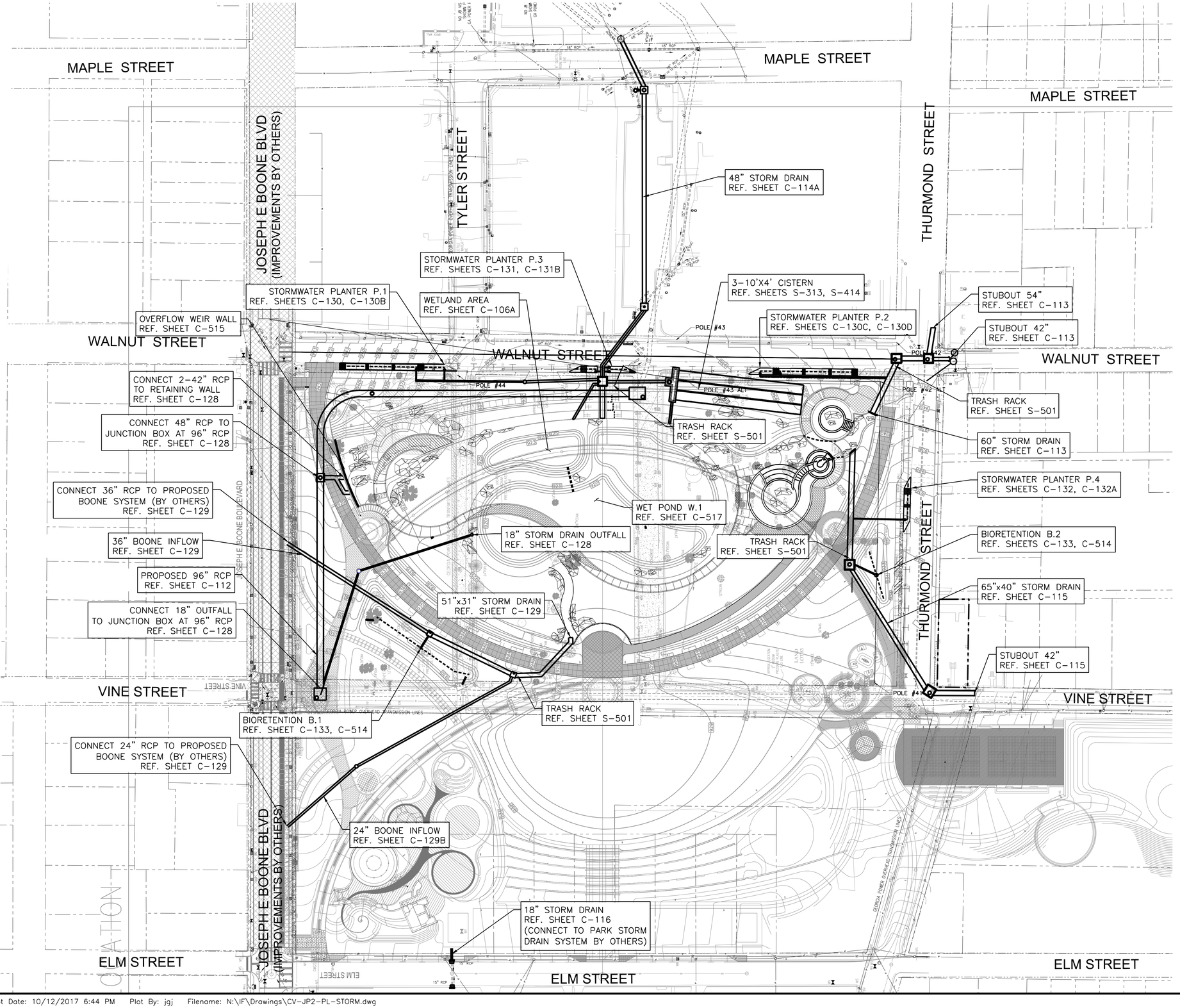

LEGEND

- PROPOSED STORMDRAIN
- EXISTING STORMDRAIN
- 6" PERFORATED PVC UNDERDRAIN PIPE
- STORMWATER PLANTER

NOTES:

1. STORM DRAIN STUBOUTS TO BE EXTENDED TO EDGE OF NEW PAVEMENT FOR CONNECTION TO FUTURE SEPARATE STORM DRAIN SYSTEM.
2. PROPOSED STORMWATER PLANTERS AND BIORETENTION PIPES ARE SIZED TO MEET PONDING REQUIREMENTS AS SHOWN ON SHEETS C-514 AND C-516. REFER TO SHEETS C-130 TO C-133 FOR DETAILS.

N

0 20' 40' 60' 120'
SCALE IN FEET

GEORGIA REGISTERED No. PE027177 PROFESSIONAL ENGINEER TRICIA H. THOMAS 10/23/17

CITY OF ATLANTA DEPARTMENT OF watershed management

JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

DRAINAGE PLAN

No.	Description	Date
1	REV 1 - Issued for Construction	10/23/2017

PROJECT NO: 7832-E
DESIGNED BY: BMB
DRAWN BY: NO/ARC
CHECKED BY: THH
DATE:
SCALE:

DRAWING NO.
C-105D

SHEET

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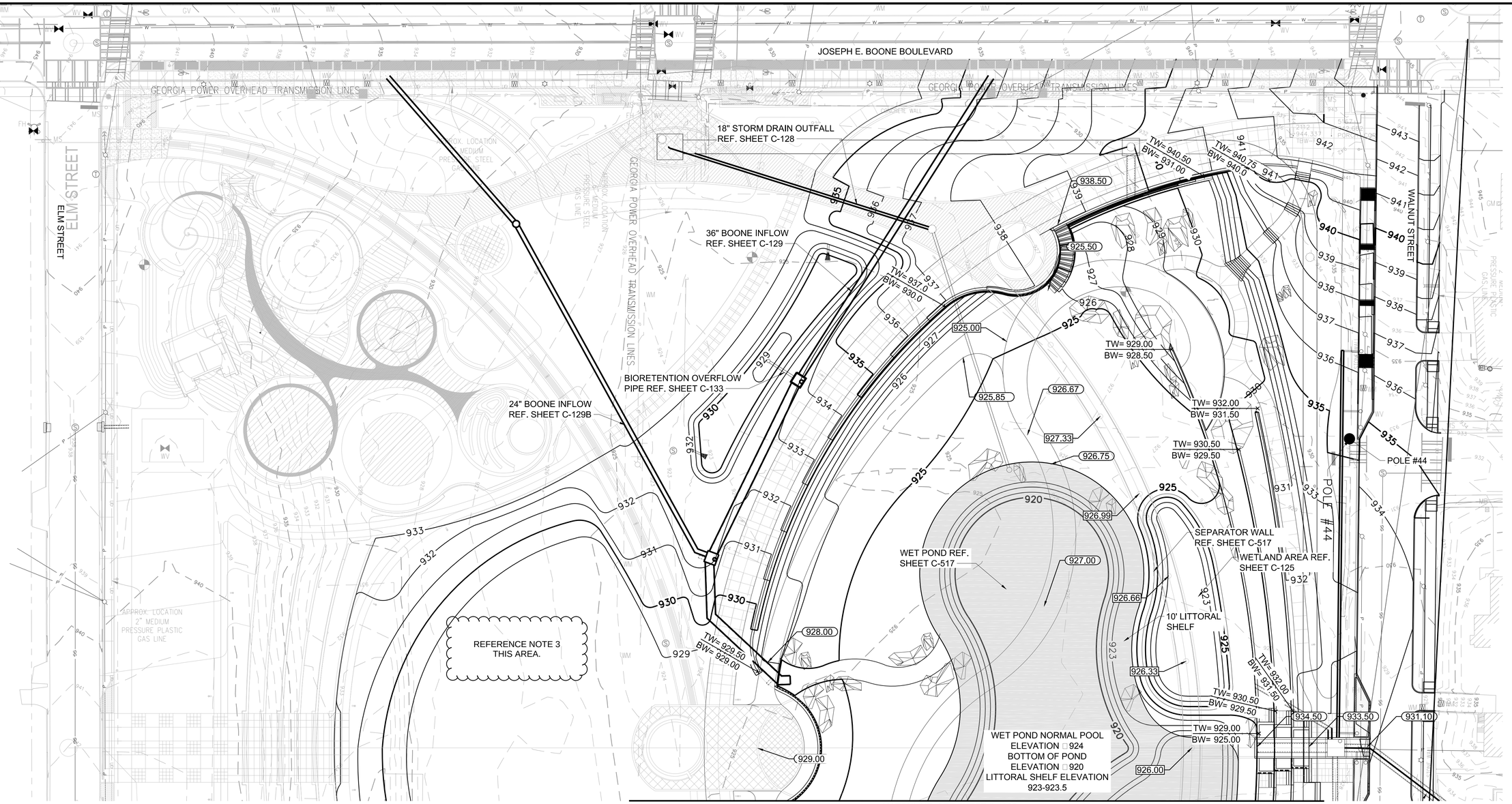

LEGEND

- 935.00 — TOP OF PAVEMENT
- 925.00 — TOP OF ELEVATED WALK COLUMN (ELEVATION ABOVE PROPOSED GROUND VARIES)
- TW= 938.00 / BW= 931.00 — TOP/BOTTOM OF WALL
- 935 — EXISTING CONTOURS
- 935 — PROPOSED CONTOURS
- BASIN LINER LAYOUT

NOTES:

1. REFER TO SHEETS C-107 THROUGH C-111 FOR INFORMATION ON PROPOSED ROADWAY PROFILES ON WALNUT AND THURMOND ST.
2. REFER TO STORM DRAIN PLAN AND PROFILE SHEETS FOR OUTFALL FLOW LINES.
3. FOR GREAT LAWN, CONTRACTOR TO EXCAVATE TO SUBGRADE. UNDERDRAIN, ENGINEERED SOILS, AND FINISHED GRADE BY OTHERS. COORDINATE WITH DESIGN DRAWINGS BY TRUST FOR PUBLIC LAND.

N

0 15' 30' 60'
SCALE IN FEET

GEORGIA REGISTERED PROFESSIONAL ENGINEER
No. PE007177
TRICIA H. THOMAS
9/29/17

CITY OF ATLANTA DEPARTMENT OF watershed management
JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

SITE GRADING PLAN (1 OF 2)

No.	Description	Date

PROJECT NO: 7832-E
DESIGNED BY: BMB
DRAWN BY:
CHECKED BY: THH
DATE:
SCALE: REFER TO PLAN

DRAWING NO.
C-106A

SHEET

ACAD Rel: 20.0s (LMS Tech)
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Last Saved: 9/28/2017 10:39 PM Saved By: bmb

Plot Date: 9/29/2017 12:31 PM Plot By: bmb Filename: N:\IF\Drawings\CV-JP2-PL-GRAD.dwg

MATCHLINE, SEE SHEET C-106A

REFERENCE NOTE 3
THIS AREA.

WET POND NORMAL POOL
ELEVATION □924
BOTTOM OF POND
ELEVATION □920
LITTORAL SHELF ELEVATION
923-923.5

WET POND REF.
SHEET C-517

10' LITTORAL
SHELF

48" STORM DRAIN
REF. SHEET C-114A

POLE #43

POLE #43 ALT

WALNUT STREET

POLE #41

POLE #41 ALT

POLE #42

POLE #42 ALT

65"x40" STORM DRAIN
REF. SHEET C-115

60" STORM DRAIN
REF. SHEET C-113

THURMOND STREET

TW= 930.50
BW= 929.50

TW= 929.00
BW= 925.00

TW= 932.00
BW= 931.50

TW= 929.50
BW= 929.00

TW= 934.00
BW= 930.00

TW= 929.00
BW= 927.00

TW= 931.50
BW= 930.50

TW= 932.00
BW= 931.50

929.00
933.50
931.10
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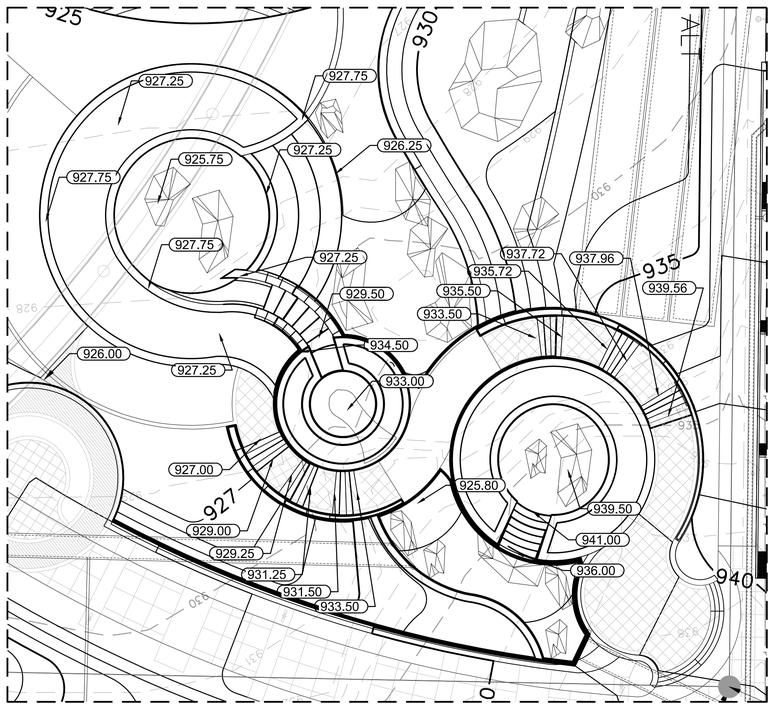
935.00
927.00



A FOUNTAIN GRADING DETAIL
1"=20'

LEGEND

- 935.00 — TOP OF PAVEMENT
- 925.00 — TOP OF ELEVATED WALK COLUMN (ELEVATION ABOVE PROPOSED GROUND VARIES)
- TW= 938.00 / BW= 931.00 — TOP/BOTTOM OF WALL
- EXISTING CONTOURS
- PROPOSED CONTOURS
- BASIN LINER LAYOUT

NOTES:

1. REFER TO SHEETS C-107 THROUGH C-111 FOR INFORMATION ON PROPOSED ROADWAY PROFILES ON WALNUT AND THURMOND ST.
2. REFER TO STORM DRAIN PLAN AND PROFILE SHEETS FOR OUTFALL FLOW LINES.
3. FOR GREAT LAWN, CONTRACTOR TO EXCAVATE TO SUBGRADE. UNDERDRAIN, ENGINEERED SOILS, AND FINISHED GRADE BY OTHERS. COORDINATE WITH DESIGN DRAWINGS BY TRUST FOR PUBLIC LAND.

N

0 15' 30' 60'
SCALE IN FEET

GEORGIA REGISTERED No. PE0017177 PROFESSIONAL ENGINEER TRICIA H. HAY 9/29/17

CITY OF ATLANTA DEPARTMENT OF watershed management
JP2
5687 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

SITE GRADING PLAN (2 OF 2)

No.	Description	Date

PROJECT NO: 7832-E
DESIGNED BY: BMB
DRAWN BY: NO/ARC
CHECKED BY: THH
DATE:
SCALE: REFER TO PLAN

DRAWING NO.
C-106B

SHEET

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Last Saved: 9/28/2017 10:39 PM Saved By: bmb

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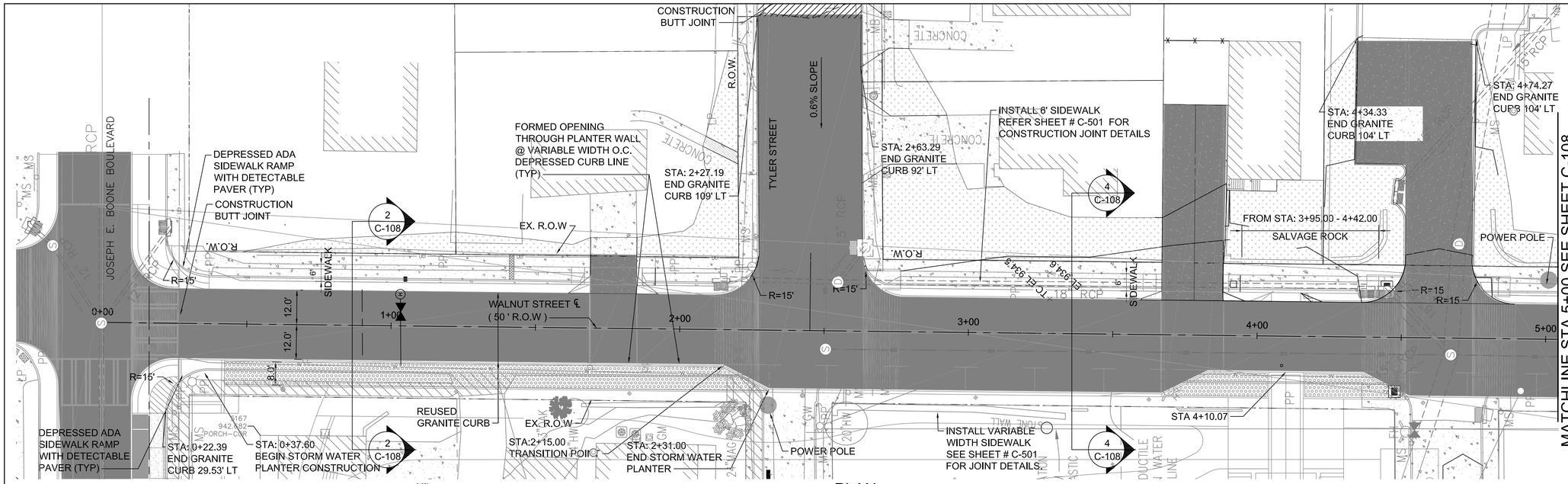
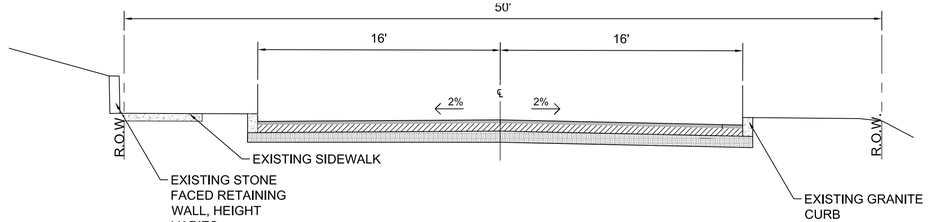
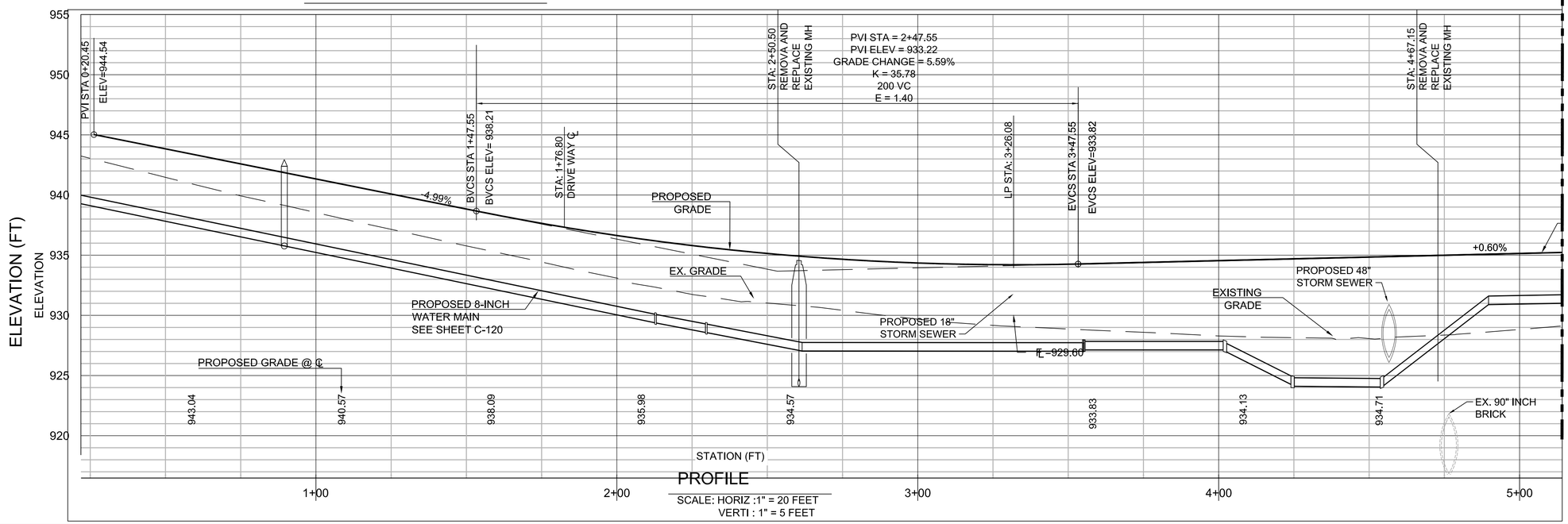




EXISTING WALNUT STREET
TYPICAL SECTION



PROFILE
SCALE: HORIZ :1" = 20 FEET
VERTI : 1" = 5 FEET

NOTES

1) ALL DIMENSIONS ARE FROM FACE OF CURB, UNLESS NOTED OTHERWISE.
2) SEE SHEET C-120 FOR WATER MAIN PLAN & PROFILE

LEGEND

- PROPOSED STORMWATER PLANTERS, REFER TO SHEET C-516 FOR DETAILS
- PROPOSED SODDING
- PROPOSED SIDEWALK/DRIVEWAY
- PROPOSED ROADWAY

0 20' 40'
HORIZONTAL SCALE IN FEET

811 Know what's below. Call before you dig.

GEORGIA REGISTERED ENGINEER No. PE16710 PROFESSIONAL ENGINEER
JP2
5887 Glenridge Drive Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

PLAN AND PROFILE WALNUT STREET STA 0+00 TO 4+50

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	9/25/2017
1	ISSUED FOR CONSTRUCTION	10/6/2017

PROJECT NO:
DESIGNED BY: VFA
DRAWN BY: JS
CHECKED BY: SUM
DATE: 9-25-2017
SCALE:

DRAWING NO.
C-107

SHEET OF

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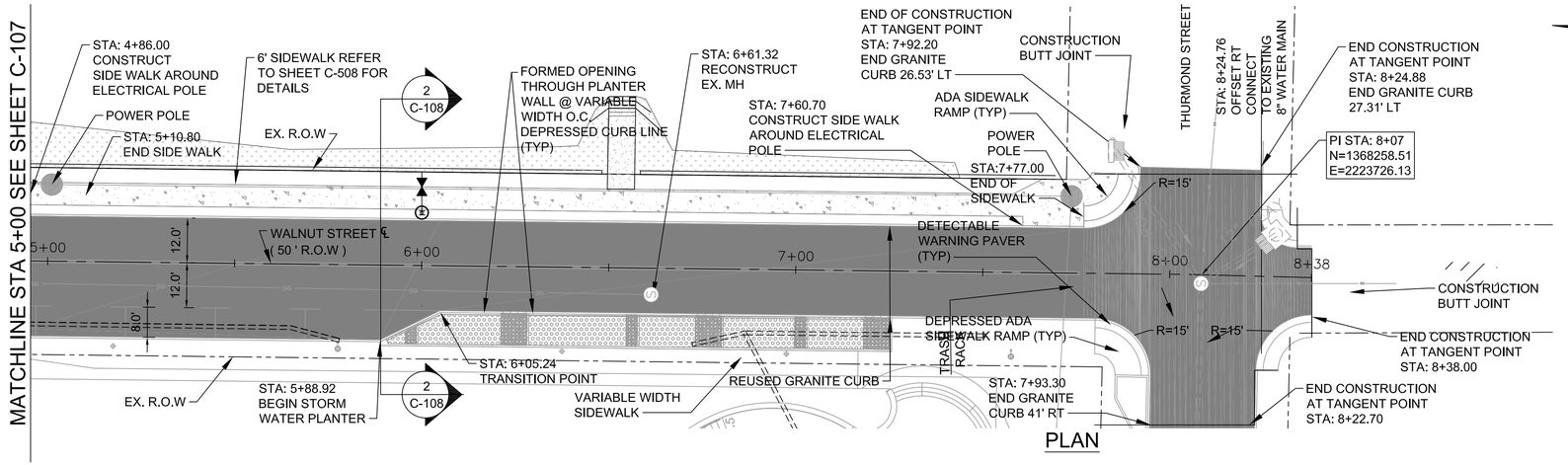
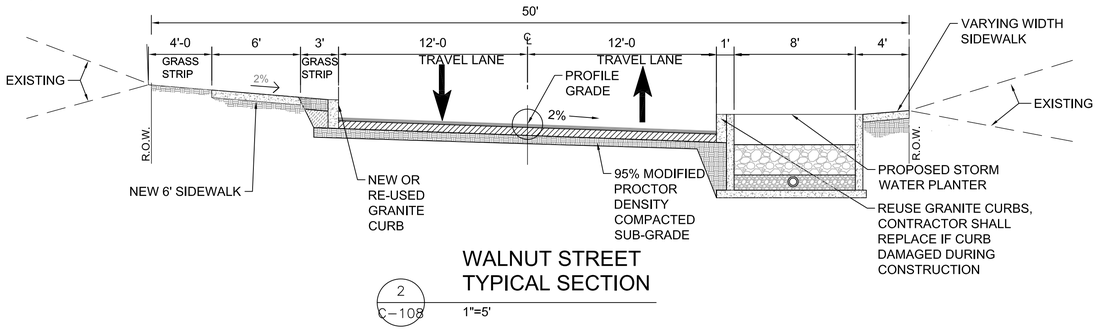
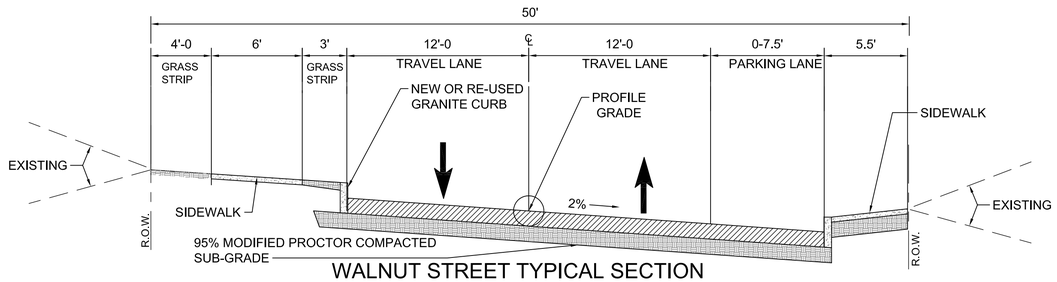




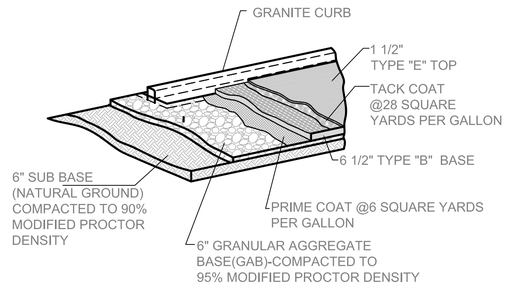
WALNUT STREET
TYPICAL SECTION

2 C-108 1"=5'



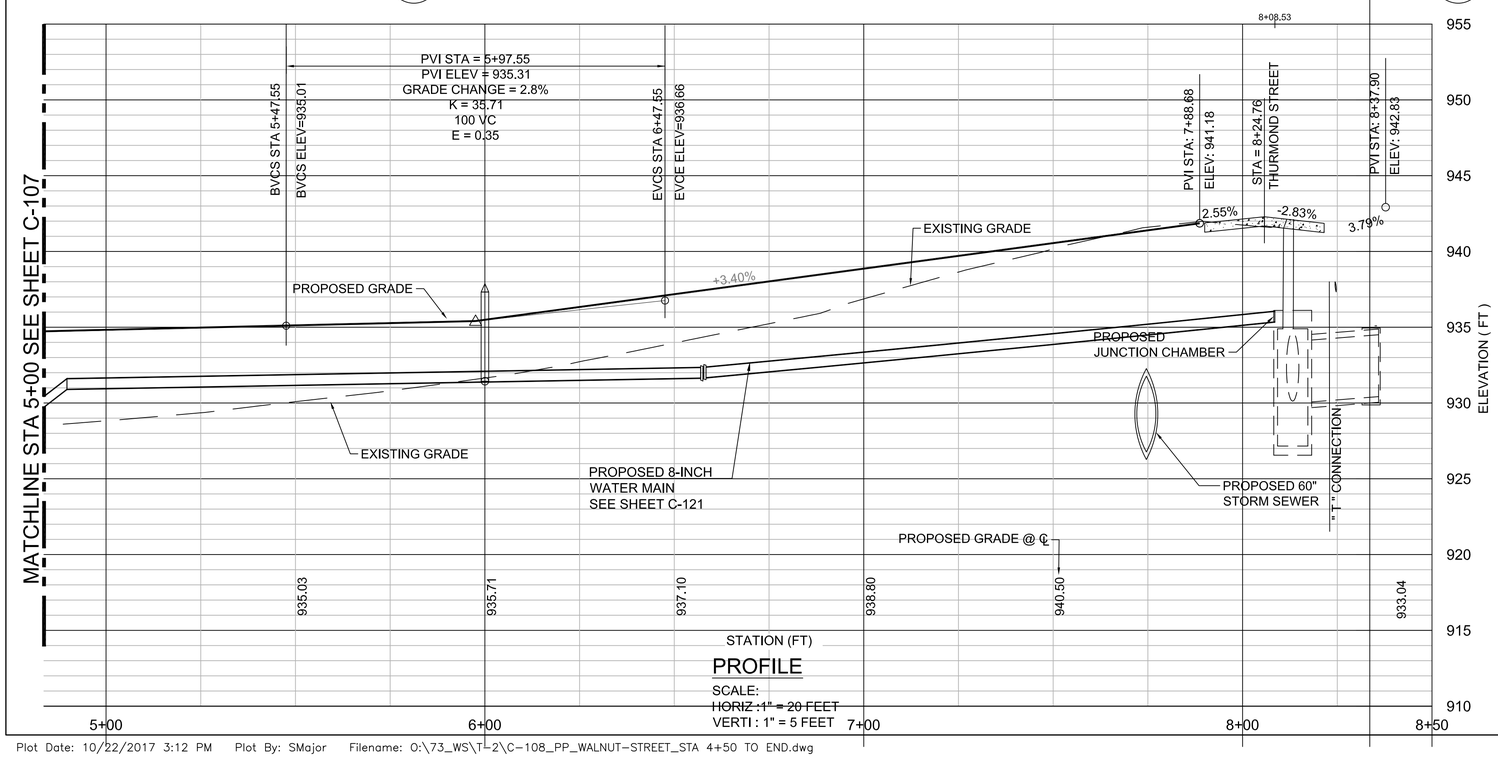
WALNUT STREET TYPICAL SECTION
FROM STA: 2+15.00 TO 3+35.00 AND STA: 4+84.50 TO 6+04.00

4 C-108 1"=5'



TYPICAL PAVEMENT SECTION

5 C-108 1"=5'



PROFILE

SCALE:
~~HORIZ : 1" = 20 FEET~~
VERTI : 1" = 5 FEET

LEGEND

- PROPOSED STORMWATER PLANTERS,
- PROPOSED SODDING
- PROPOSED SIDEWALK
- PROPOSED ROADWAY

NOTES

1) ALL DIMENSIONS ARE FROM FACE OF CURB, UNLESS NOTED OTHERWISE.
2) SEE SHEET C-121 FOR WATER MAIN PLAN & PROFILE.
3) CONTRACTOR SHALL SOD ALL DISTURBED AREAS WITHIN CONSTRUCTION LIMITS.

0 20' 40'
SCALE IN FEET

Know what's below. Call before you dig.

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. PE16710 SUSAN U. WARD

CITY OF ATLANTA DEPARTMENT OF watershed management
JP2
5887 Glenridge Drive Suite 300 Atlanta, GA. 30328
Phone: 404.979.3300 Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

PLAN AND PROFILE
WALNUT STREET
STA 4+50 TO END

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	9/25/2017
1	ISSUED FOR CONSTRUCTION	10/6/2017

PROJECT NO:
DESIGNED BY: VFA
DRAWN BY: JS
CHECKED BY: SUM
DATE: 9-25-2017
SCALE:

DRAWING NO.
C-108

SHEET OF

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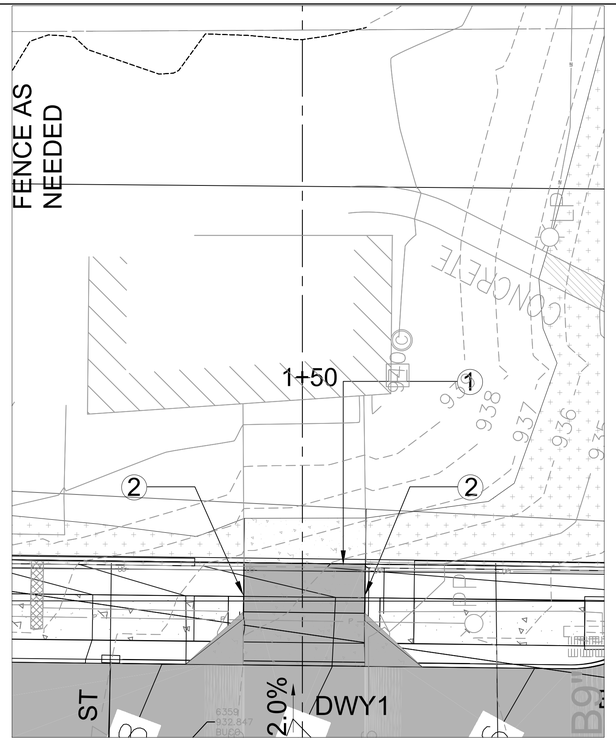
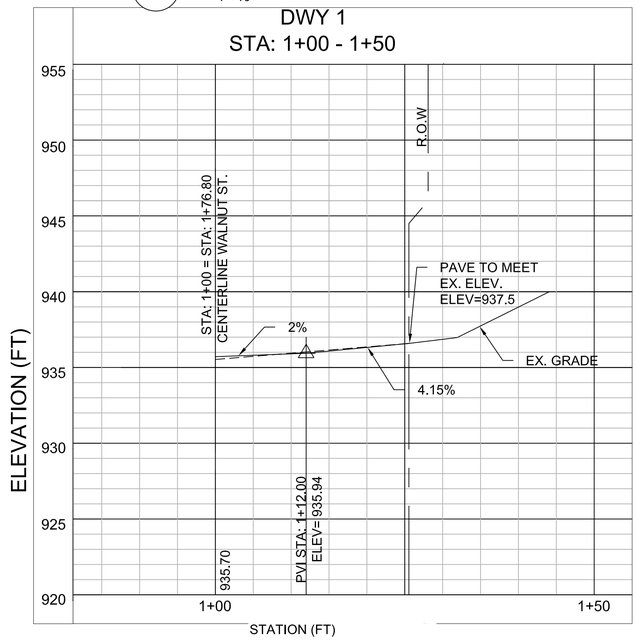


PROPOSED WALNUT STREET
DRIVEWAY 1 KEY PLAN

1
C-109

1"=10'



PROPOSED WALNUT STREET
DRIVEWAY 1 PROFILE

4
C-109

SCALE:
HORIZ. :1" = 10 FEET
VERT. : 1" =5 FEET

N

LEGEND

- PROPOSED STORMWATER PLANTERS.
- PROPOSED SODDING
- PROPOSED SIDEWALK/DRIVEWAYS
- PROPOSED ROADWAY
- ST STORM SEWER
- SS SANITARY SEWER
- MH MAN HOLE

GENERAL NOTES

1. ALL WORK SHALL BE PERFORMED WITHIN THE RIGHT OF WAY UNLESS DIRECTED OTHERWISE BY THE CITY OR THE CITY'S REPRESENTATIVE.

2. CITY TO OBTAIN TEMPORARY EASEMENT PERMIT WHERE WORK EXTENDS BEYOND THE R.O.W. LIMITS.

3. FIELD VERIFY ALL UTILITY CONNECTIONS PRIOR TO INSTALLATION.

4. FOR ROADWAY PLANS SEE SHEET C-107.

5. ACCESS TO ADJACENT PROPERTIES MUST BE MAINTAINED AT ALL TIMES UNLESS PRIOR ARRANGEMENTS HAVE BEEN MADE AND APPROVED BY THE CITY OR THE CITY'S REPRESENTATIVE.

6. CONTRACTOR SHALL WORK WITH THE ENGINEER FOR FINAL REMOVAL AND PAVEMENT CONSTRUCTION LIMIT.

CONSTRUCTION NOTES:

① MATCH EXISTING
② PAVE TO MEET SIDEWALK ELEVATION

Know what's **below.** **Call** before you dig.

GEORGIA
SUSAN U. MAY
No. PE16719
PROFESSIONAL ENGINEER

CITY OF ATLANTA DEPARTMENT OF watershed management
JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

PLAN AND PROFILE
WALNUT STREET DRIVEWAYS

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	9/25/2017
1	ISSUED FOR CONSTRUCTION	10/6/2017

PROJECT NO:	
DESIGNED BY:	VFA
DRAWN BY:	JS
CHECKED BY:	SUM
DATE:	9-25-2017
SCALE:	

DRAWING NO.
C-109

SHEET OF

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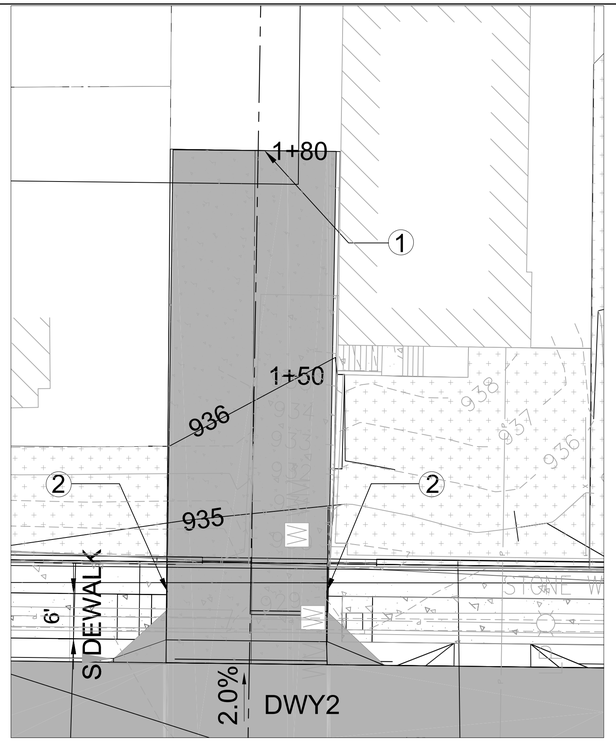
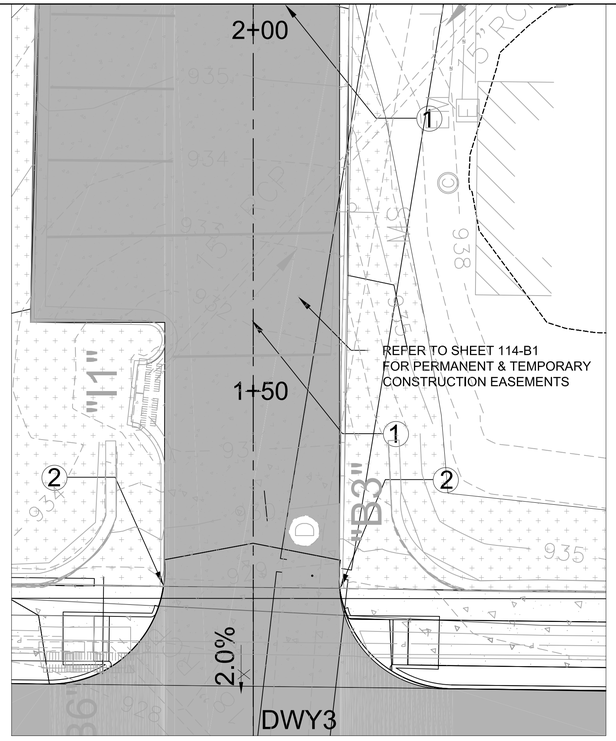


PROPOSED WALNUT STREET
DRIVEWAY 2 KEY PLAN

2 C-109

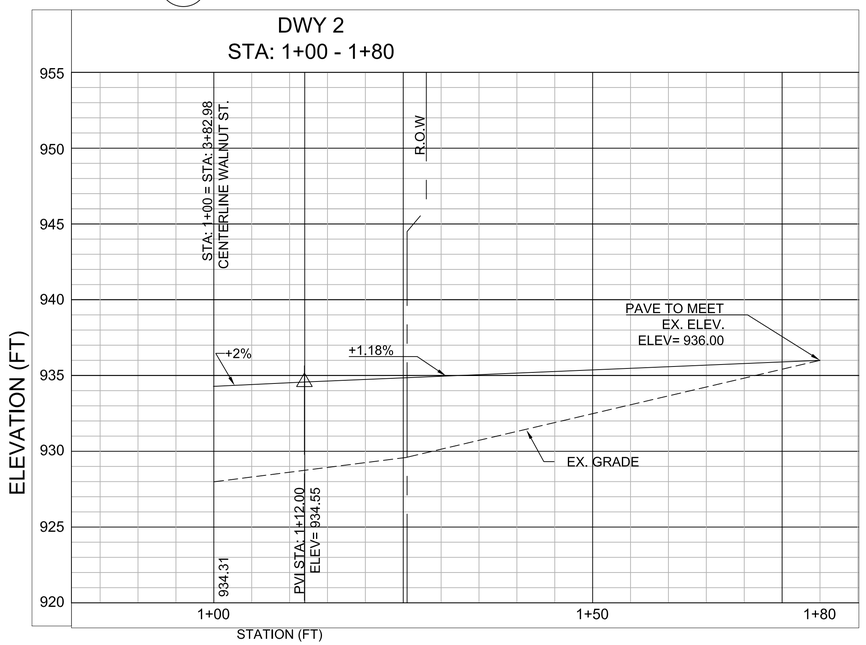
1"=10'



PROPOSED WALNUT STREET
DRIVEWAY 3 KEY PLAN

3 C-109

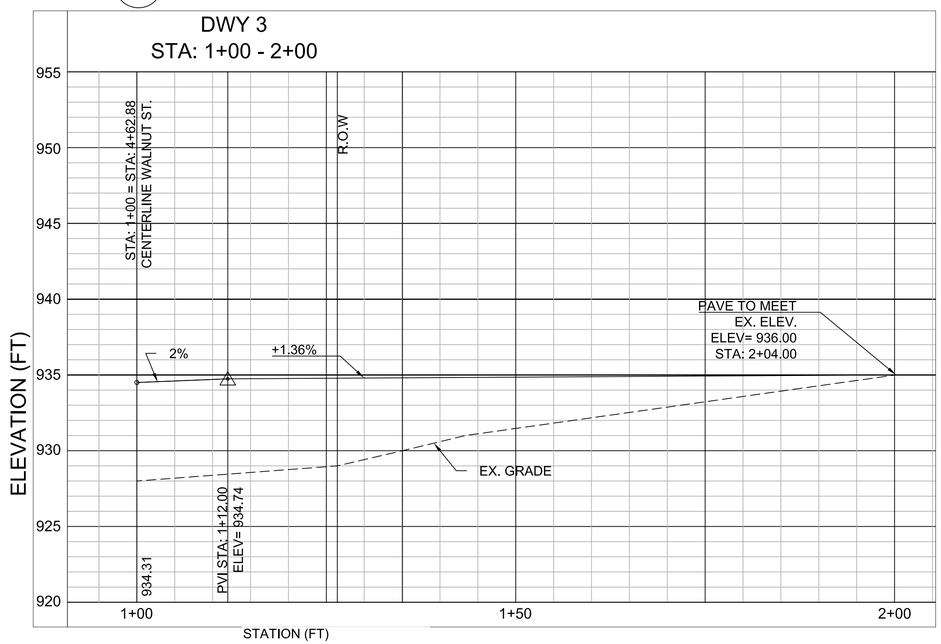
1"=10'



PROPOSED WALNUT STREET
DRIVEWAY 2 PROFILE

5 C-109

SCALE:
HORIZ. :1" = 10 FEET
VERT. : 1" =5 FEET



PROPOSED WALNUT STREET
DRIVEWAY 3 PROFILE

6 C-109

SCALE:
HORIZ. :1" = 10 FEET
VERT. : 1" =5 FEET

N

LEGEND

- PROPOSED STORMWATER PLANTERS.
- PROPOSED PLAZA
- PROPOSED SIDEWALK
- PROPOSED ROADWAY
- ST STORM SEWER
- SS SANITARY SEWER
- MH MAN HOLE

GENERAL NOTES

1. ALL WORK SHALL BE PERFORMED WITHIN THE RIGHT OF WAY UNLESS DIRECTED OTHERWISE BY THE CITY OR THE CITY'S REPRESENTATIVE.

2. CITY TO OBTAIN TEMPORARY EASEMENT PERMIT WHERE WORK EXTENDS BEYOND THE R.O.W. LIMITS.

3. FIELD VERIFY ALL UTILITY CONNECTIONS PRIOR TO INSTALLATION.

4. FOR ROADWAY PLANS SEE SHEET C-107.

5. ACCESS TO ADJACENT PROPERTIES MUST BE MAINTAINED AT ALL TIMES UNLESS PRIOR ARRANGEMENTS HAVE BEEN MADE AND APPROVED BY THE CITY OR THE CITY'S REPRESENTATIVE.

6. CONTRACTOR SHALL WORK WITH THE ENGINEER FOR FINAL REMOVAL AND PAVEMENT CONSTRUCTION LIMIT.

CONSTRUCTION NOTES:

① MATCH EXISTING
② PAVE TO MEET SIDEWALK ELEVATION

GEORGIA REGISTERED No. PE016210 PROFESSIONAL ENGINEER SUSAN U. MAY

CITY OF ATLANTA DEPARTMENT OF watershed management
JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

PLAN AND PROFILE
WALNUT STREET DRIVEWAYS

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	9/25/2017
1	ISSUED FOR CONSTRUCTION	10/6/2017

PROJECT NO:
DESIGNED BY: VFA
DRAWN BY: JS
CHECKED BY: SUM
DATE: 9-25-2017
SCALE:

DRAWING NO.
C-109-A

SHEET OF

Know what's below. Call before you dig.

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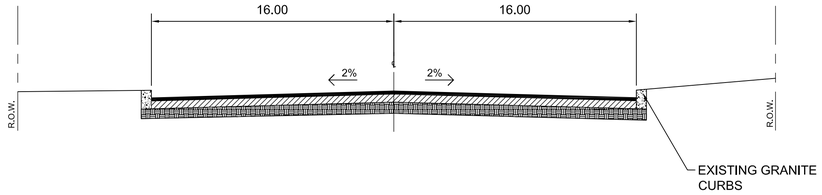
Last Saved: 10/20/2017 3:37 PM Saved By: nperrone

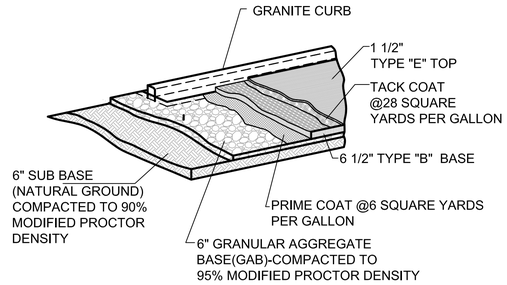
Plot Date: 10/22/2017 3:29 PM Plot By: SMajor Filename: O:\73_WS\T-2\C-109_PP_WALNUT STREET DRIVEWAY.dwg



EXISTING THURMOND STREET
TYPICAL SECTION

3 / C-110

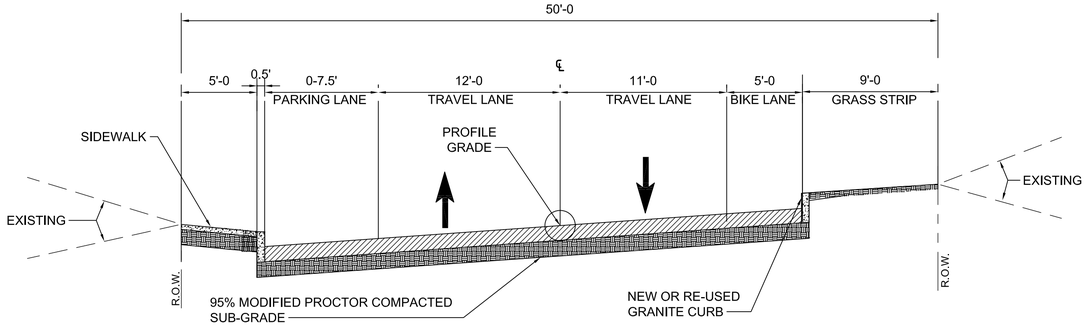
1"=5'



THURMOND STREET
PAVEMENT SECTION

2 / C-108

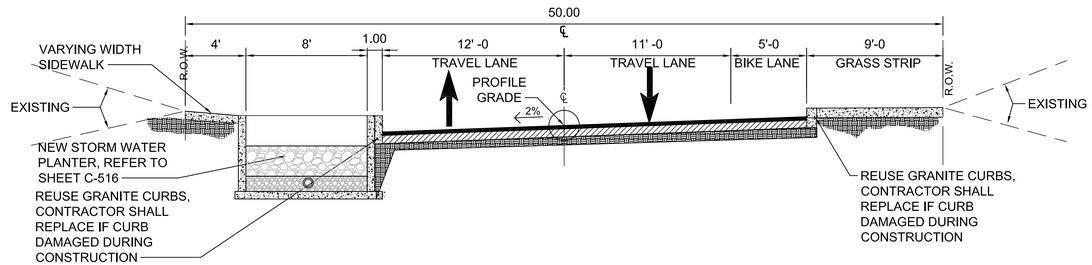
1"=5'



THURMOND STREET TYPICAL SECTION
FROM STA: 4+91.00 TO 7+07.00

4 / C-110

1"=5'



PROPOSED THURMOND STREET
TYPICAL SECTION (FACING EAST)

2 / C-110

1"=5'

LEGEND

- PROPOSED STORMWATER PLANTERS, REFER TO SHEET C-516 FOR DETAILS
- PROPOSED PLAZA
- PROPOSED SIDEWALK
- PROPOSED ROADWAY
- PROPOSED BUTT JOINT
- FIRE HYDRANT

N

NOTES

1) UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEY AND RECORDS . THEREFORE THEIR LOCATION MUST BE CONSIDERED APPROXIMATE ONLY THERE MAY BE OTHERS THE EXISTENCE OF WHICH IS NOT PRESENTLY SHOWN IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE ALL UTILITIES LOCATED IN THE FIELD PRIOR TO EXCAVATION OR CONSTRUCTION.
2) ALL DIMENSIONS ARE FROM FACE OF CURB, UNLESS NOTED OTHERWISE.
3) SEE SHEET C-118 FOR WATER MAIN PLAN & PROFILE.

0 20' 40'
HORIZONTAL SCALE IN FEET

Know what's below. Call before you dig.

GEORGIA REGISTERED ENGINEER No. PE16710 PROFESSIONAL SUSAN U. MANN

CITY OF ATLANTA DEPARTMENT OF watershed management

JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY
THURMOND STREET
TYPICAL SECTIONS

No.	Description	Date
0	ISSUED FOR PERMITTING	9/25/2017
1	ISSUED FOR CONSTRUCTION	10/6/2017

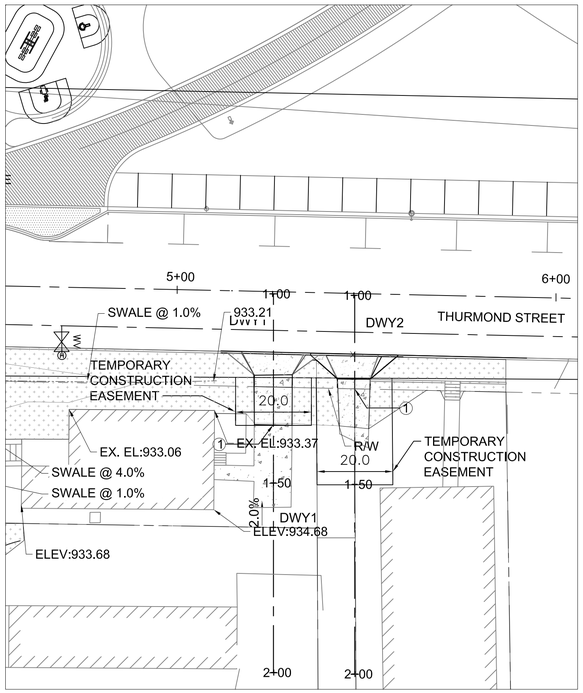
PROJECT NO:
DESIGNED BY: VFA
DRAWN BY: JS
CHECKED BY: SUM
DATE: 9-25-2017
SCALE:

DRAWING NO.
C-110A

SHEET OF

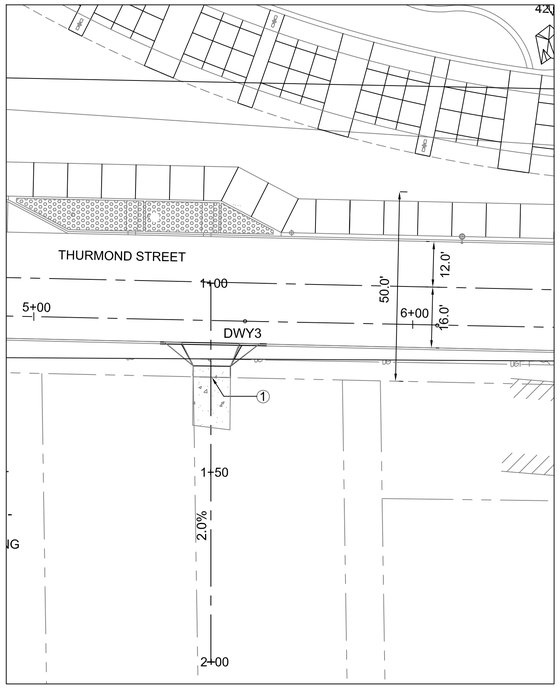
CAD Rel: 19.1s (LMS Tech)
filename: O:\73_WS\T-2\C-110_A_PP_THURMOND STREET.dwg
ast Saved: 10/3/2017 2:18 PM Saved By: JSanchez

Plot Date: 10/19/2017 12:20 PM Plot By: JSanchez Filename: O:\73_WS\T-2\C-110_A_PP_THURMOND STREET.dwg



PROPOSED THURMOND STREET
DRIVEWAYS 1 & 2 KEY PLAN

1 / C-111 — 1"=20'



PROPOSED THURMOND STREET
DRIVEWAY 3 KEY PLAN

2 / C-111 — 1"=20'

LEGEND

- PROPOSED STORMWATER PLANTERS, REFER TO SHEET C-516 FOR DETAILS
- PROPOSED SODDING
- PROPOSED SIDEWALK/DRIVEWAYS

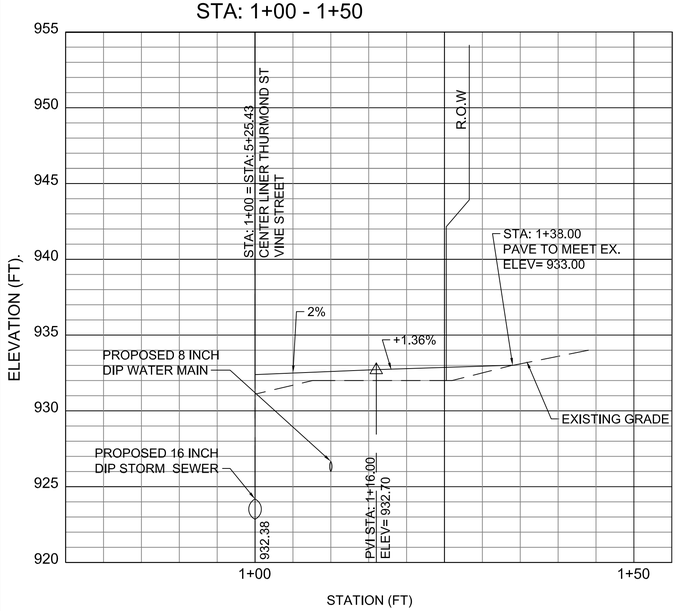
GENERAL NOTES

1. ALL WORK SHALL BE PERFORMED WITHIN THE RIGHT OF WAY UNLESS DIRECTED OTHERWISE BY THE CITY OR THE CITY'S REPRESENTATIVE
2. CITY TO OBTAIN TEMPORARY EASEMENT PERMIT WHERE WORK EXTENDS BEYOND THE R.O.W. LIMITS
3. FIELD VERIFY ALL UTILITY CONNECTIONS PRIOR TO INSTALLATION
4. FOR ROADWAY PLANS SEE SHEET C-110
5. ACCESS TO ADJACENT PROPERTIES MUST BE MAINTAINED AT ALL TIMES UNLESS PRIOR ARRANGEMENTS HAVE BEEN MADE AND APPROVED BY THE CITY OR THE CITY'S REPRESENTATIVE
6. CONTRACTOR SHALL WORK WITH THE ENGINEER FOR FINAL REMOVAL AND PAVEMENT CONSTRUCTION LIMIT

CONSTRUCTION NOTES

① MATCH EXISTING (PAVING LIMIT)

DWY 1
STA: 1+00 - 1+50

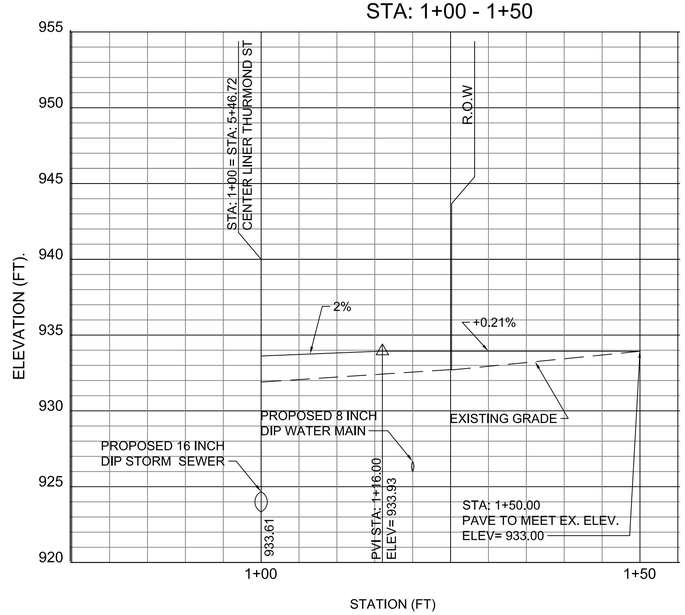


PROPOSED THURMOND STREET
DRIVEWAY 1 PROFILE

3 / C-111

HOR: 1" = 10 FEET
VERT: 1" =4 FEET

DWY 2
STA: 1+00 - 1+50

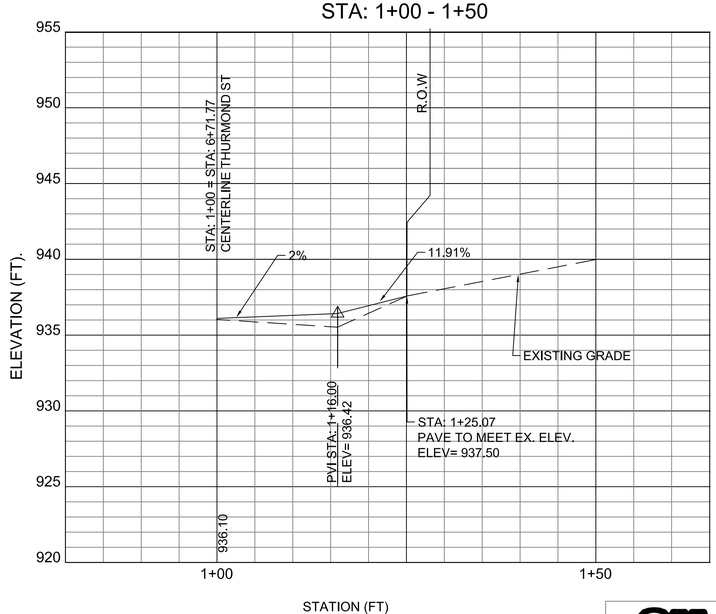


PROPOSED THURMOND STREET
DRIVEWAY 2 PROFILE

4 / C-111

HOR: 1" = 10 FEET
VERT: 1" =4 FEET

DWY 3
STA: 1+00 - 1+50



PROPOSED THURMOND STREET
DRIVEWAY 3 PROFILE

5 / C-111

HOR: 1" = 10 FEET
VERT: 1" =4 FEET

Know what's **below.** **Call** before you dig.

GEORGIA — No. PE16710 — PROFESSIONAL ENGINEER — SUSAN U. NIMOS

CITY OF ATLANTA DEPARTMENT OF watershed management
JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

PLAN AND PROFILE
THURMOND STREET DRIVEWAYS

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	9/25/2017
1	ISSUED FOR CONSTRUCTION	10/6/2017

PROJECT NO:
DESIGNED BY: VFA
DRAWN BY: JS
CHECKED BY: SUM
DATE: 9-25-2017
SCALE:

DRAWING NO.
C-110-B

SHEET OF

ACAD Rel: 19.1s (LMS Tech)
Filename: O:\73_WS\T-2\C-110_B _PP_THURMOND DRIVEWAY.dwg
Last Saved: 10/19/2017 3:12 PM Saved By: JSanchez

Plot Date: 10/20/2017 10:18 AM Plot By: NPerrone Filename: O:\73_WS\T-2\C-110_B _PP_THURMOND DRIVEWAY.dwg

STA: 4+17.89
BEGIN STORM WATER
PLANTER CONSTRUCTION

PI STA: 4+12.94 THURMOND ST. =
0+00 VINE ST.
N = 1368268.83
E = 2223306.48

STA: 4+80.75
END STORM WATER
PLANTER
CONSTRUCTION

STA: 6+17.06
BEGIN STORM WATER
PLANTER CONSTRUCTION

5' SIDEWALK
JOINT DETAILS IN
ACCORDANCE
WITH CITY OF
ATLANTA STANDARD

EXISTING GEORGIA
POWER LINES TO BE
MOVED

STA: 6+33.00
TRANSITION POINT

STA: 6+89.20
END STORM WATER
PLANTER CONSTRUCTION

DEPRESSED ADA
SIDEWALK RAMP
WITH DETECTABLE
PAVER(TYP)

TRASH
RACK

WALNUT STREET

60" SD @ 1.03%

GEORGIA POWER OVERHEAD TRANSMISSION LINE

THURMOND STREET

VINE STREET

R.O.W

PI STA: 8+11.30
N = 1368260. 7
E = 2223704.75

DEPRESSED ADA
SIDEWALK RAMP
WITH DETECTABLE
PAVER(TYP)

END OF CONSTRUCTION
AT TANGENT POINT

PI STA: 8+55.20
N = 1368262.96
E = 2223748.55

38 LF of 54" RCP @ 0.00%

Sd @ -0.97%

15" RCP

STA 8+28.82
OFFSET: 32.12' RT
WALNUT STREET

STA 5+47.18
OFFSET: 35.33' RT
DRIVEWAY

STA 6+71.77
OFFSET: 25.07' RT
DRIVEWAY

REUSED GRANITE CURB

STA 5+25.44
OFFSET: 34.78' RT
DRIVEWAY

1 C-110 PLAN 1"=20'

50.00
16.00
16.00
2%
2%
R.O.W.
R.O.W.

EXISTING GRANITE
CURBS

EXISTING THURMOND STREET
TYPICAL SECTION

LEGEND

- PROPOSED STORMWATER PLANTERS
- PROPOSED PLAZA
- PROPOSED SIDEWALK
- PROPOSED ROADWAY
- PROPOSED BUTT JOINT
- FIRE HYDRANT

NOTES

1) UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEY AND RECORDS . THEREFORE THEIR LOCATION MUST BE CONSIDERED APPROXIMATE ONLY THERE MAY BE OTHERS THE EXISTENCE OF WHICH IS NOT PRESENTLY SHOWN IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE ALL UTILITIES LOCATED IN THE FIELD PRIOR TO EXCAVATION OR CONSTRUCTION.
2) ALL DIMENSIONS ARE FROM FACE OF CURB, UNLESS NOTED OTHERWISE.

0 20' 40'
HORIZONTAL SCALE IN FEET

Know what's below. Call before you dig.

ELEVATION (FT)

STATION (FT)

4 C-110 PROFILE

SCALE:
HORIZ: 1" = 20 FEET
VERT: 1" = 5 FEET

STA: 4+9.96
VINE STREET ℄

BVCS = 4+35.00
BVCE = 932.50

PVI STA= 4+60.00
PVI ELEV= 932.50
GRADE CHANGE= 0.93%
K = 53.8
50.00' VC
E = 0.06

EVCS = 4+85.00
EVCE = 932.73

STA: 5+25.43
DRIVE WAY

BVCS = 5+62.45
BVCE = 933.45

STA: 5+46.72
DRIVE WAY

PVI STA= 6+12.45
PVI ELEV= 933.91
GRADE CHANGE= 2.85%
K = 35.09
100.00' VC
E = 0.36

EVCS = 6+72.45
EVCE = 935.80

DRIVE WAY
STA: 6+71.77

GRADE BREAK

WALNUT STREET ℄

3.62%

3.78%

EXT.
15" RCP

PROPOSED
58.5" X 36"
CONC.
ARCH PIPE

EXISTING GRADE

PROPOSED
GRADE

PROPOSED GRADE

0.00%

0.93%

EXISTING
WATER
MAIN LINE

PROPOSED 8-INCH
WATER MAIN
SEE SHEET C-119

PROPOSED GRADE ℄

PROP. 60" RCP

EX. 90" SEWER

4+35.91 4+48.84 4+67.69 4+82.72 6+10.00 6+17.14 6+35.18 6+42.21 8+60.77

932.50 932.52 932.87 933.34 934 935.40 937.22 939.11 940.97 942.78

950 945 940 935 930 925 920

GEORGIA
REGISTERED
No. PE16710
PROFESSIONAL
ENGINEER
Shawn U. Major

CITY OF ATLANTA DEPARTMENT OF watershed management

jp2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY
PLAN AND PROFILE THURMOND STREET

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	9/25/2017
1	ISSUED FOR CONSTRUCTION	10/6/2017

PROJECT NO: VFA
DESIGNED BY: JS
DRAWN BY: SUM
CHECKED BY: 9-25-2017
DATE:
SCALE:

DRAWING NO.
C-110

SHEET OF

CAD Ref: 20.1s (LMS Tech)
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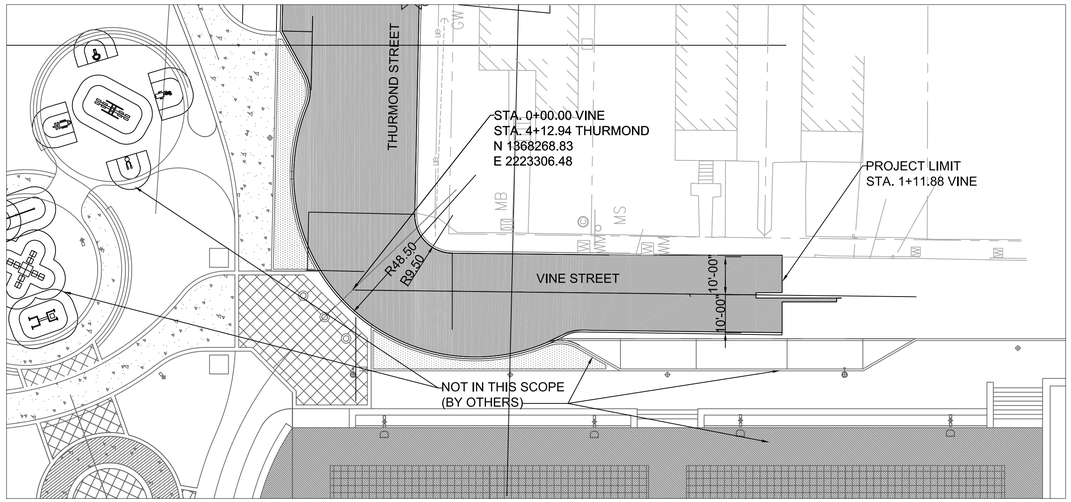
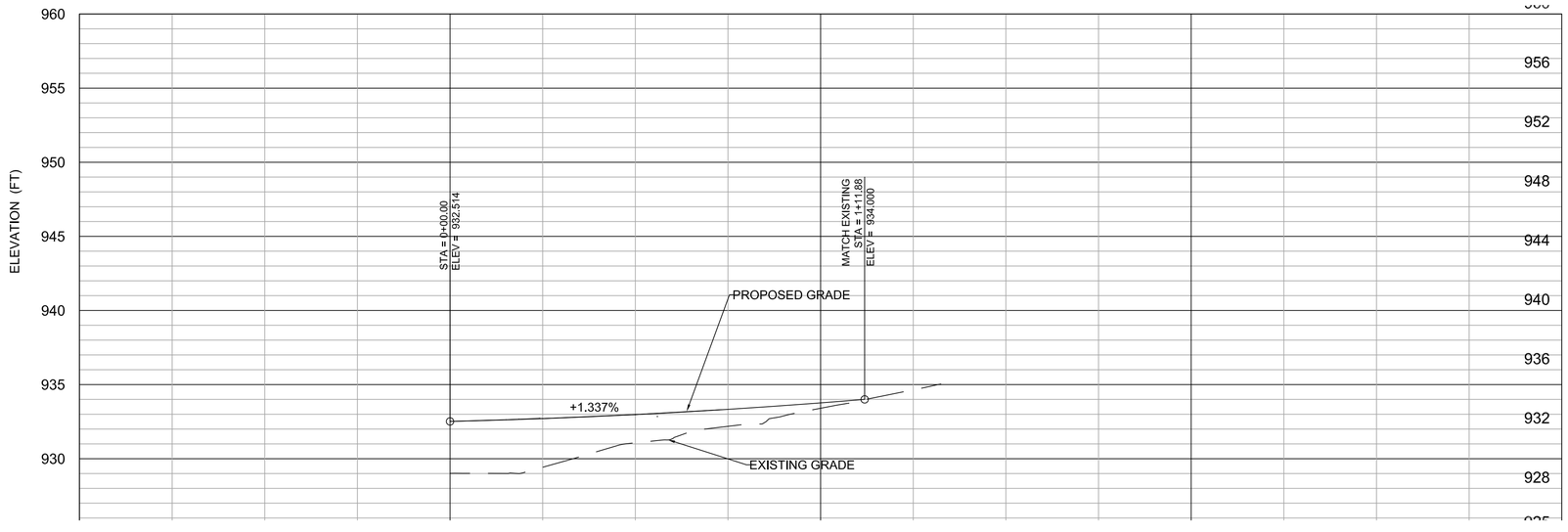
Plot Date: 10/23/2017 3:37 PM Plot By: JSanchez Filename: O:\73_WS\T-2\C-110_PP_THURMOND STREET_NEW.dwg



1 C-111 PLAN

1"=20'



2 C_111 PROFILE

SCALE:
HORI :1" = 20 FEET
VERT: 1" = 5 FEET

N

LEGEND

PROPOSED SIDEWALK

PROPOSED ROADWAY

NOTE

1) ALL DIMENSIONS ARE FROM FACE OF CURB, UNLESS NOTED OTHERWISE.

0 20' 40'

SCALE IN FEET

Know what's below. Call before you dig.

GEORGIA REGISTERED No. PE16710 PROFESSIONAL ENGINEER SUSAN U. MAY

CITY OF ATLANTA DEPARTMENT OF watershed management
JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT

UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT

RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

PLAN AND PROFILE
VINE STREET

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	9/25/2017
1	ISSUED FOR CONSTRUCTION	10/6/2017

PROJECT NO:
DESIGNED BY: VFA
DRAWN BY: IS
CHECKED BY: SUM
DATE: 9-25-2017
SCALE:

DRAWING NO.
C-111

SHEET OF

ACAD Rel: 19.1s (LMS Tech)
Filename: O:\73_WS\T-2\C-111_PP- VINE STREET.dwg
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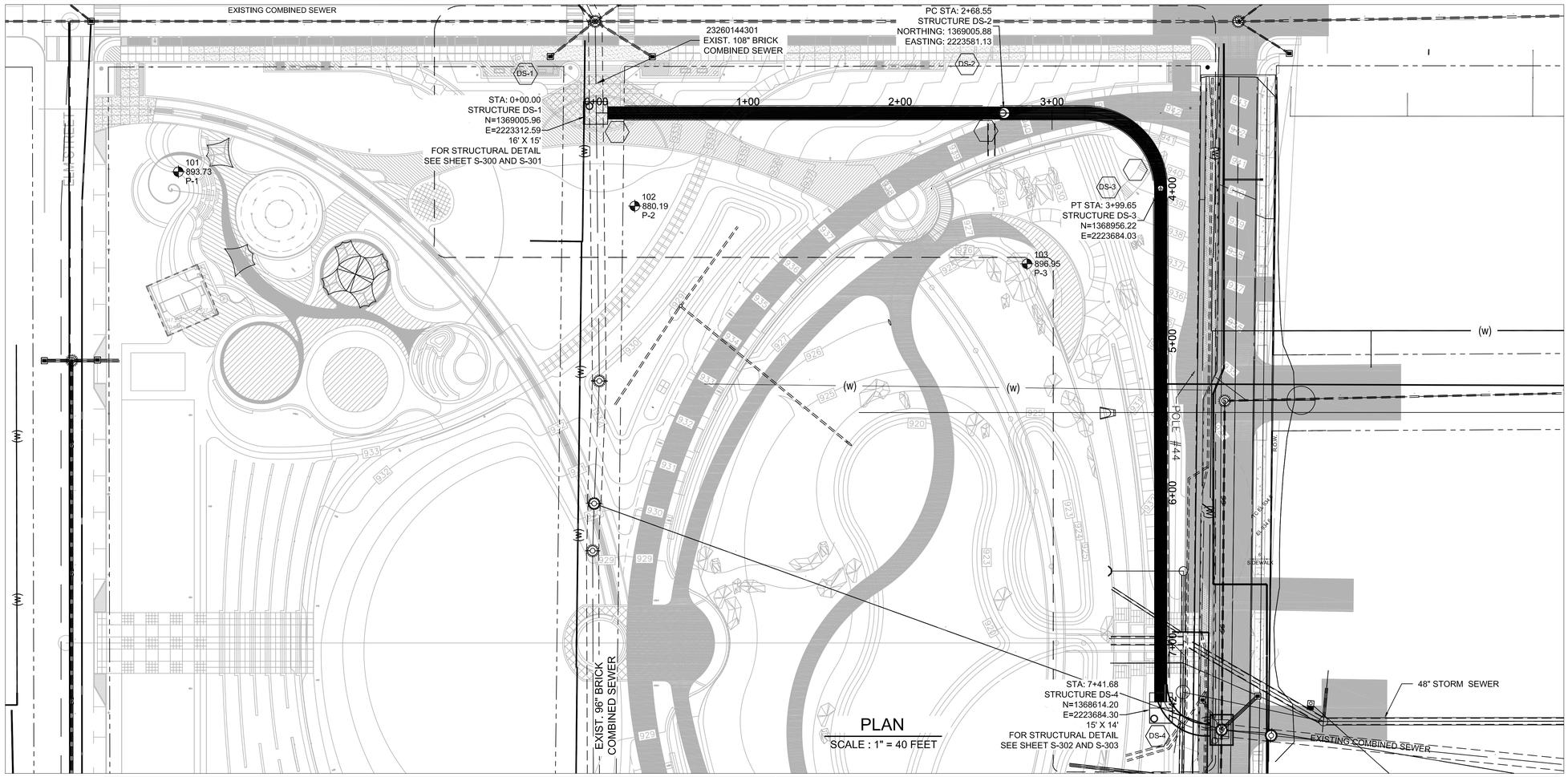
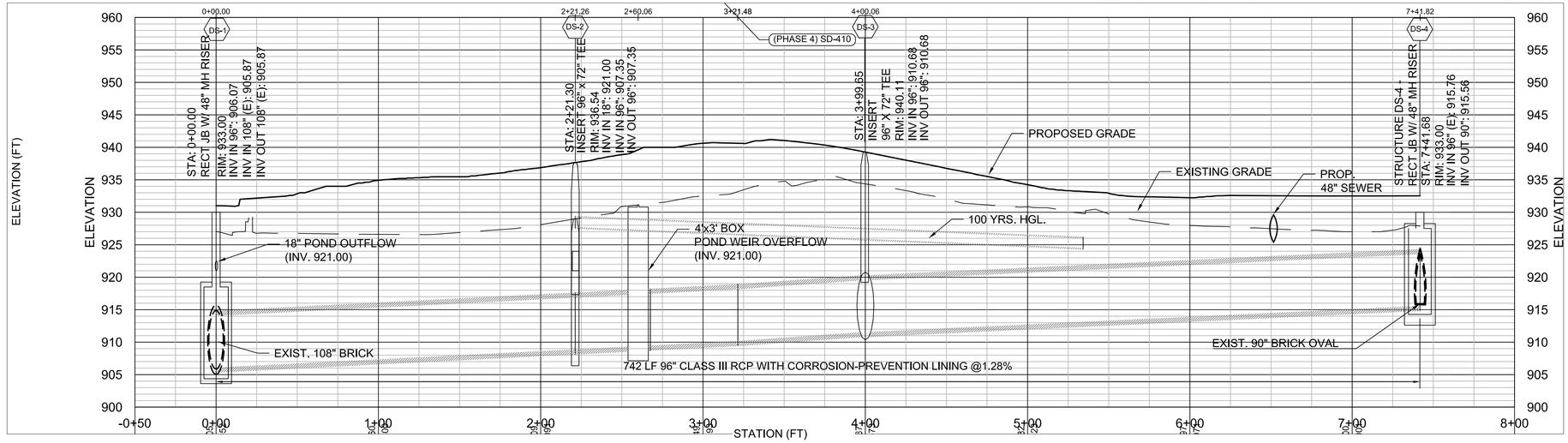
Plot Date: 10/20/2017 3:52 PM Plot By: NPerrone Filename: O:\73_WS\T-2\C-111_PP- VINE STREET.dwg





PROFILE

SCALE:
HORIZ : 1" = 40 FEET
VERT. : 1" = 10 FEET

CURVE DATA:
△= 90 R = 50 T = 50 L =78.54
PC STA: 3 +22.50 N = 1369005.88 E = 2223581.13 PT STA: 4 +01.04 N = 1368956.22 E = 2223684.03

NOTES:

1. SEE STRUCTURAL DRAWINGS FOR JUNCTION BOX DETAIL

Know what's **below.** **Call** before you dig.

CITY OF ATLANTA DEPARTMENT OF watershed management
JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310
JP2-LOGO.JPG

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT

UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT

RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

PLAN AND PROFILE
96" COMBINED SEWER

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	9/25/2017
1	ISSUED FOR CONSTRUCTION	10/6/2017

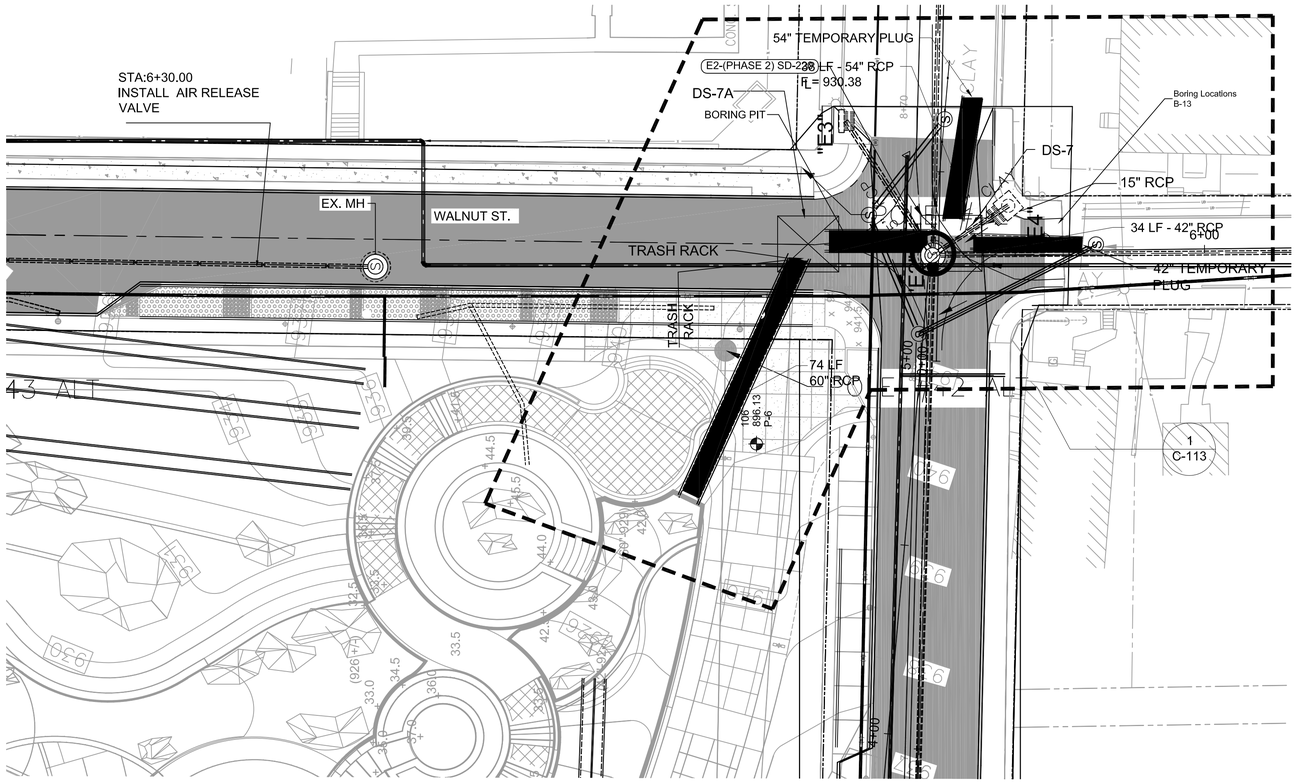
PROJECT NO:
DESIGNED BY: GWM
DRAWN BY: JC
CHECKED BY: BS
DATE: 9-25-2017
SCALE:

DRAWING NO.
C-112

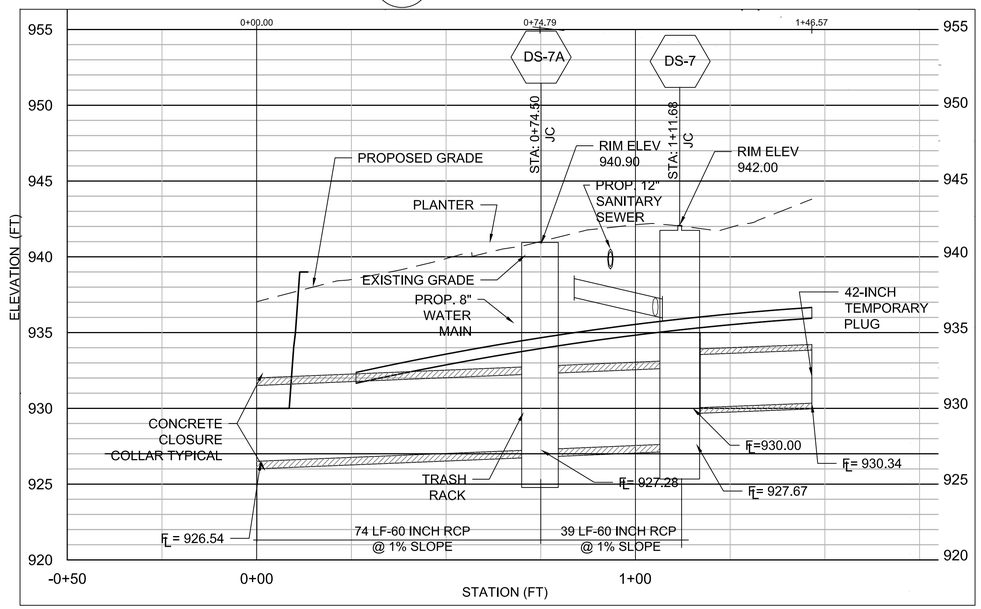
SHEET OF

ACAD Rel: 19.1s (LMS Tech)
Filename: O:\73_WS\T-2\C-112_PP-96IN COMBINED SEWER.dwg
Last Saved: 10/23/2017 2:45 PM Saved By: NPerrone

Plot Date: 10/23/2017 2:47 PM Plot By: NPerrone Filename: O:\73_WS\T-2\C-112_PP-96IN COMBINED SEWER.dwg



1 C-113 KEY PLAN
SCALE : 1" = 20 FEET



2 C-113 PROFILE
SCALE:
HORIZ: 1" = 40 FEET
VERT: 1" = 5 FEET

N

LEGEND

- PROPOSED STORM SEWER
- EXISTING STORM SEWER
- BIORETENTION PIPE
- STORMWATER PLANTER
- DS-X — DRAINAGE STRUCTURE
- JC — JUNCTION CHAMBER
- MANHOLE
- DIRECTION OF FLOW
- PROPOSED STORM WATER PLANTERS,
- PROPOSED PLAZA
- PROPOSED SIDEWALK
- PROPOSED ROADWAY
- PROPOSED BUTT JOINT

NOTES:

1. STORM DRAIN STUBOUTS TO BE EXTENDED TO EDGE OF NEW PAVEMENT FOR CONNECTION TO FUTURE SEPARATE STORM DRAIN SYSTEM.
2. SEE STRUCTURAL DRAWINGS FOR JUNCTION CHAMBER DETAILS.

0 10' 20' 40'
SCALE IN FEET

Know what's below. Call before you dig.

CITY OF ATLANTA DEPARTMENT OF watershed management
JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

PLAN & PROFILE 60" STORM SEWER

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	9/25/2017
1	ISSUED FOR CONSTRUCTION	10/6/2017

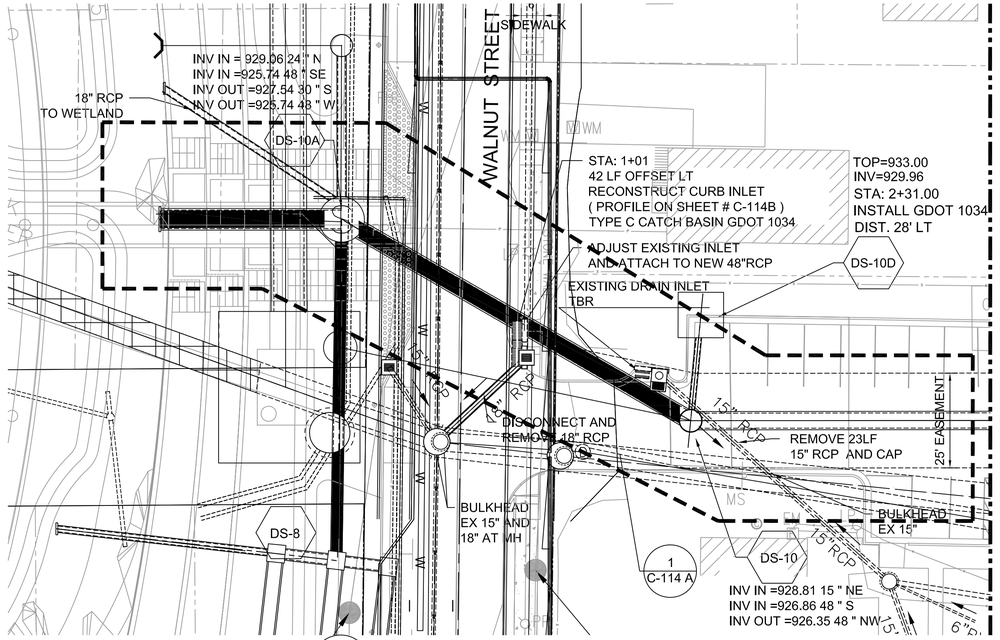
PROJECT NO:
DESIGNED BY: VFA
DRAWN BY: JS
CHECKED BY: SUM
DATE: 9-25-2017
SCALE:

DRAWING NO.
C-113

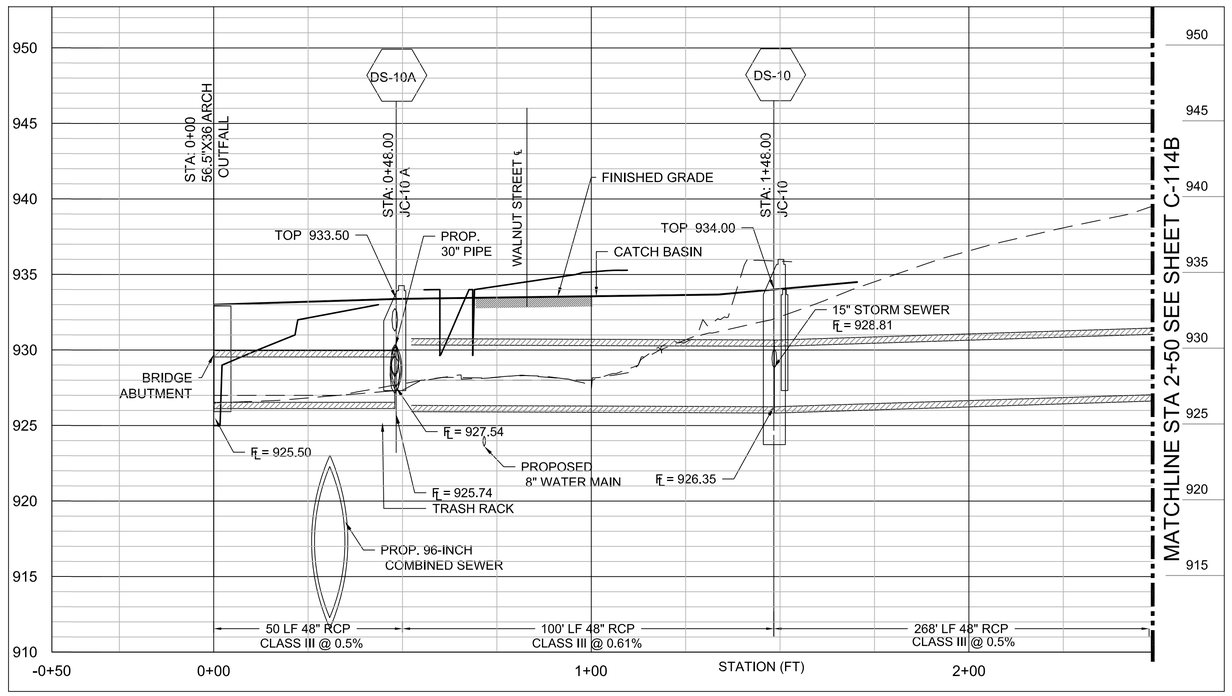
SHEET 14 OF 24

ACAD Rel: 19.1s (LMS Tech)
Filename: O:\73_WS\T-2\C-113_PP-60IN STORM SEWER.dwg
Last Saved: 10/9/2017 10:06 AM Saved By: JSanchez

Plot Date: 10/23/2017 2:48 PM Plot By: nperrone Filename: O:\73_WS\T-2\C-113_PP-60IN STORM SEWER.dwg



1 C-114A PLAN
SCALE : 1" = 20 FEET



2 C-114A PROFILE
SCALE:
HORIZ:1" = 20 FEET
VERT: 1" = 5 FEET

LEGEND

- PROPOSED STORM WATER PLANTERS,
- PROPOSED PLAZA
- PROPOSED SIDEWALK
- PROPOSED ROADWAY
- PROPOSED STORM SEWER
- EXISTING STORM SEWER
- BIORETENTION PIPE

JC	JUNCTION CHAMBER
TBR	TO BE REMOVED
TBA	TO BE ABANDONED
UIP	USE IN PLACE

N

NOTE :

1- SEE SHEET S-310 FOR JUNCTION BOX DETAIL.

2- STATION 2+31.00 BACK = STATION 1+48.00 FORWARD.

0 10' 20' 40'
SCALE IN FEET

811 Know what's below. Call before you dig.

CITY OF ATLANTA DEPARTMENT OF watershed management
JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

PLAN AND PROFILE 48" STORM SEWER

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	9/29/2017
1	ISSUED FOR CONSTRUCTION	10/6/2017

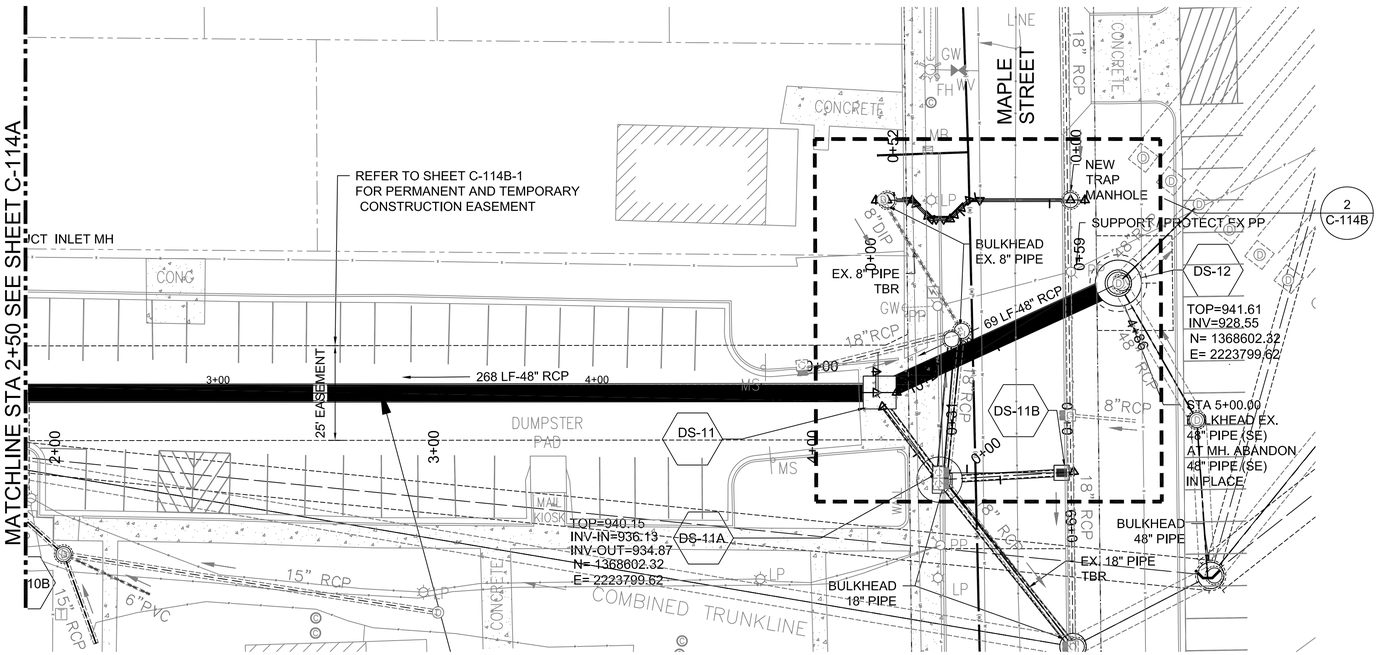
PROJECT NO:
DESIGNED BY: VFA
DRAWN BY: JS
CHECKED BY: SUM
DATE: 9-25-2017
SCALE:

DRAWING NO.
C-114A

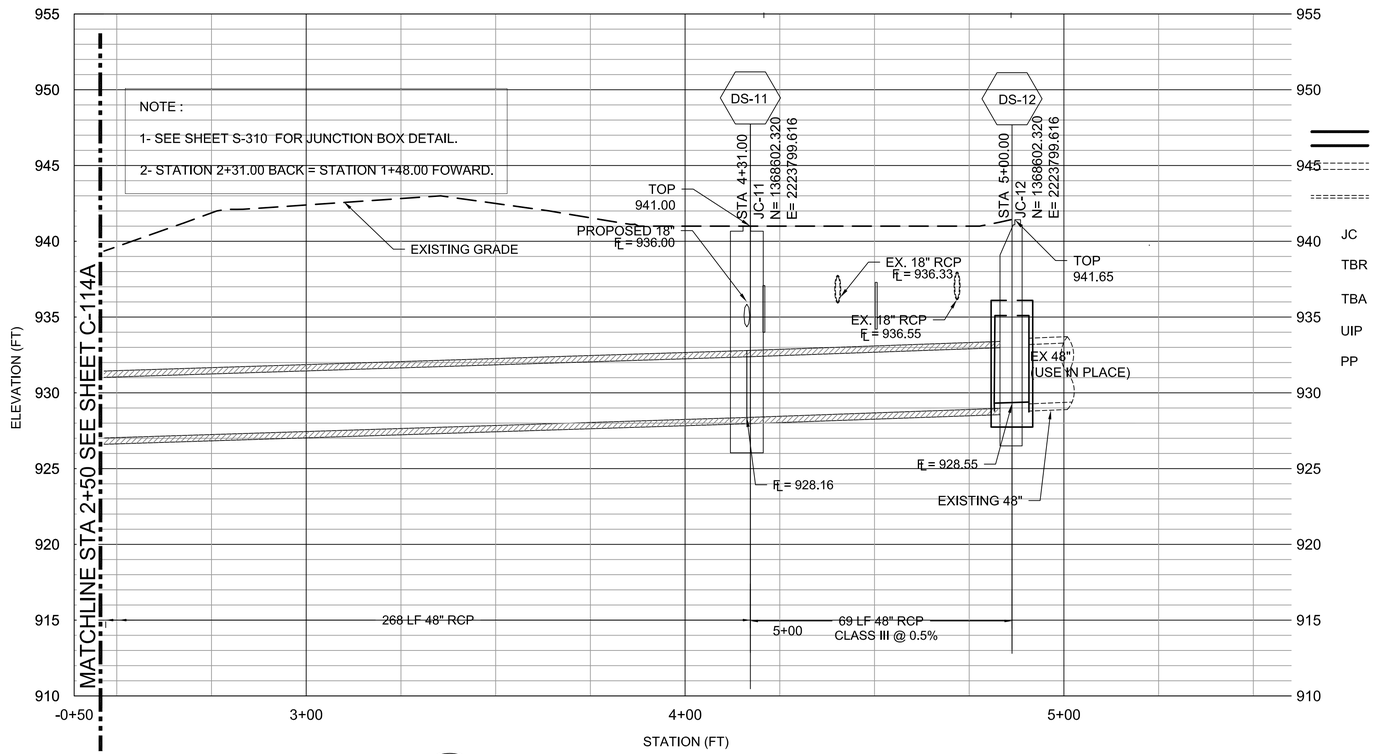
SHEET OF

ACAD Rel: 20.1s (LMS Tech)
Filename: O:\73_WS\T-2\C-114A_PP-48 IN TIE IN (1 OF 5).dwg
Last Saved: 10/20/2017 4:04 PM Saved By: JSanchez

Plot Date: 10/23/2017 3:07 PM Plot By: JSanchez Filename: O:\73_WS\T-2\C-114A_PP-48 IN TIE IN (1 OF 5).dwg



1 PLAN
C-114B SCALE : 1" = 20 FEET



2 PROFILE
C-114B SCALE:
HORIZ:1" = 20 FEET
VERT: 1" = 4 FEET

LEGEND

	PROPOSED STORM SEWER
	EXISTING STORM SEWER
	BIORETENTION PIPE
JC	JUNCTION CHAMBER
TBR	TO BE REMOVED
TBA	TO BE ABANDONED
UIP	USE IN PLACE
PP	POWER POLE

0 10' 20' 40'
SCALE IN FEET

811 Know what's below. Call before you dig.

GEORGIA REGISTERED PROFESSIONAL No. PE 16710 ENGINEER SUSAN U. WANG

CITY OF ATLANTA DEPARTMENT OF watershed management

JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

PLAN AND PROFILE 48" STORM SEWER

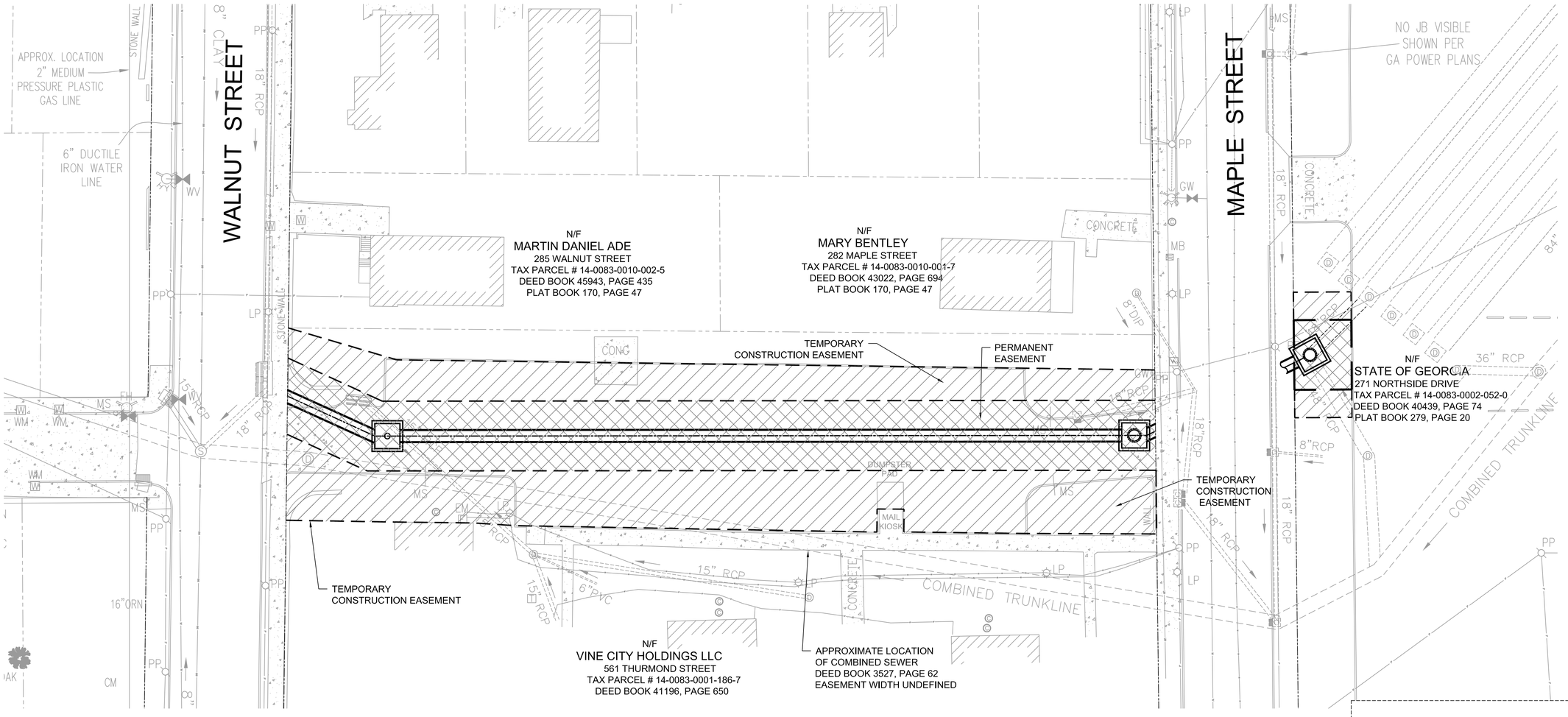
No.	Description	Date
0	ISSUED FOR CONSTRUCTION	9/25/2017
1	ISSUED FOR CONSTRUCTION	10/6/2017

PROJECT NO: VFA
DESIGNED BY: JS
DRAWN BY: SUM
CHECKED BY:
DATE: 9-25-2017
SCALE:

DRAWING NO.
C-114B

SHEET OF

ACAD Rel: 19.1s (LMS Tech)
Filename: O:\73_WS\T-2\C-114B_PP-48IN STORM SEWER (TIE IN 2 OF 5).dwg
Last Saved: 10/10/2017 10:33 AM Saved By: JSanchez
Plot Date: 10/20/2017 4:39 PM Plot By: JSanchez Filename: O:\73_WS\T-2\C-114B_PP-48IN STORM SEWER (TIE IN 2 OF 5).dwg



PLAN
SCALE : 1" = 20 FEET

N

LEGEND

- PROPOSED STORMDRAIN
- EXISTING STORMDRAIN
- PROPOSED PERMANENT EASEMENT
- PROPOSED TEMPORARY EASEMENT

0 10' 20' 40'
SCALE IN FEET

Know what's **below.** **Call** before you dig.

GEORGIA REGISTERED No. PE16719 PROFESSIONAL SUSAN U. MAYS

CITY OF ATLANTA DEPARTMENT OF watershed management
JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

PERMANENT AND TEMPORARY EASEMENT PLAN

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	9/25/2017
1	ISSUED FOR CONSTRUCTION	10/6/2017

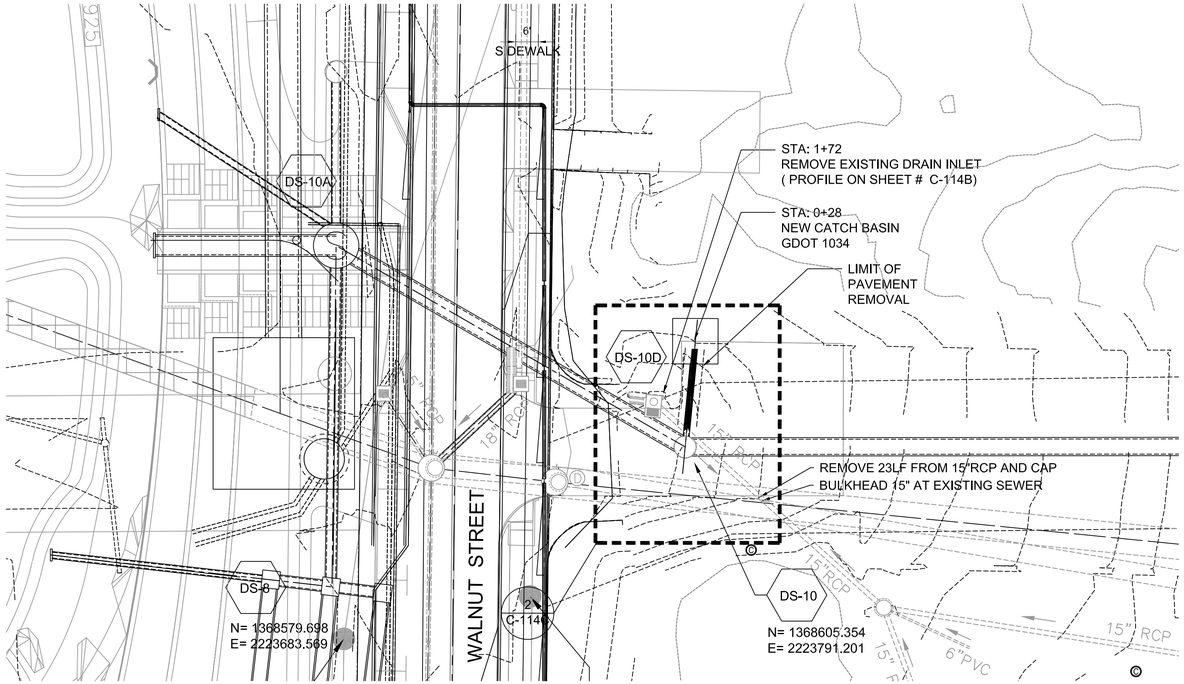
PROJECT NO:
DESIGNED BY: VFA
DRAWN BY: JS
CHECKED BY: SUM
DATE: 9-25-2017
SCALE:

DRAWING NO.
C-114B-1

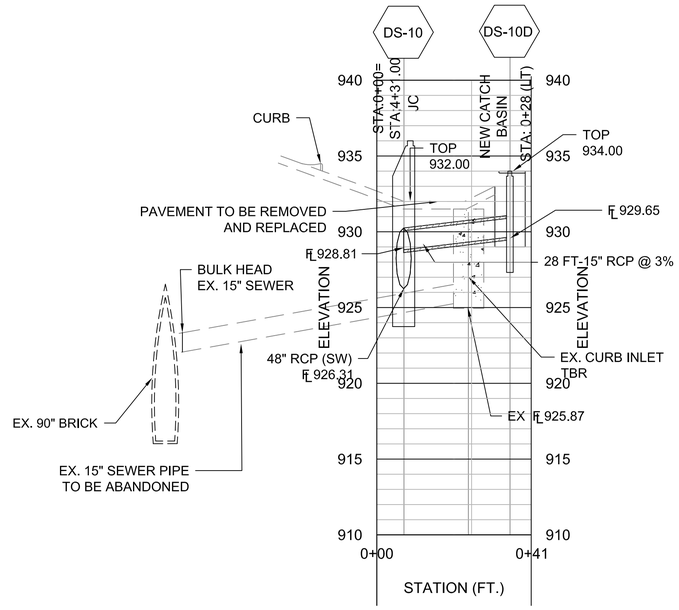
SHEET OF

ACAD Rel: 19.1s (LMS Tech)
Filename: O:\73_WS\T-2\C-114B-1_PL EASEMENT PLAN.dwg
Last Saved: 10/10/2017 10:33 AM Saved By: JSanchez

Plot Date: 10/20/2017 4:46 PM Plot By: JSanchez Filename: O:\73_WS\T-2\C-114B-1_PL EASEMENT PLAN.dwg



1 C-114C KEY PLAN
1"=20'



2 C-114C PROFILE
SCALE: HORIZ: 1" = 20 FEET
VERT: 1" = 5 FEET

N

LEGEND

	PROPOSED STORM WATER PLANTERS,
	PROPOSED PLAZA
	PROPOSED SIDEWALK
	PROPOSED ROADWAY
	PROPOSED STORM SEWER
	EXISTING STORM SEWER
	BIORETENTION PIPE
JC	JUNCTION CHAMBER
TBR	TO BE REMOVED
TBA	TO BE ABANDONED
UIP	USE IN PLACE

Know what's below. Call before you dig.

GEORGIA REGISTERED PROFESSIONAL ENGINEER SUSAN U. MAY

CITY OF ATLANTA DEPARTMENT OF watershed management
JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

PLAN AND PROFILE
48" LATERAL CONNECTIONS (1 OF 2)

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	9/25/2017
1	ISSUED FOR CONSTRUCTION	10/6/2017

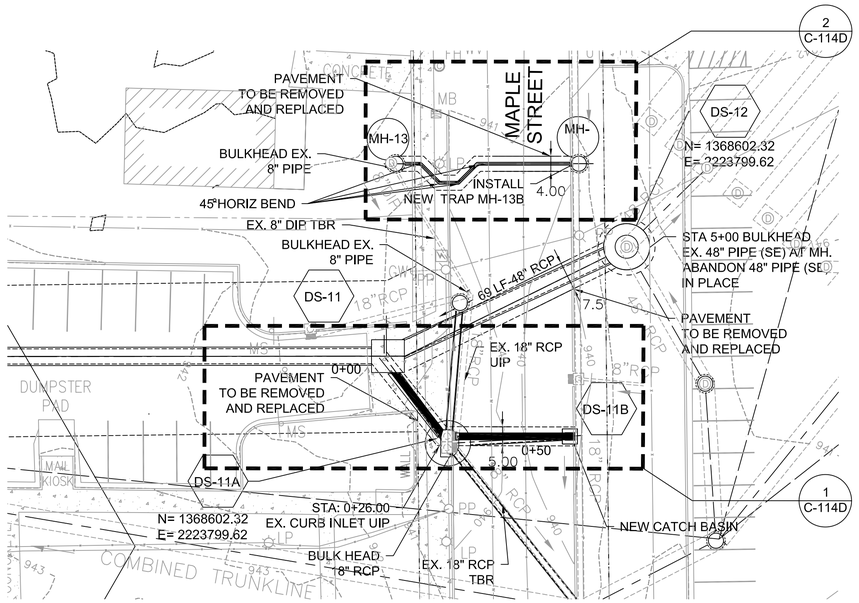
PROJECT NO:
DESIGNED BY: VFA
DRAWN BY: JS
CHECKED BY: SUM
DATE: 9-25-2017
SCALE:

DRAWING NO.
C-114C

SHEET OF

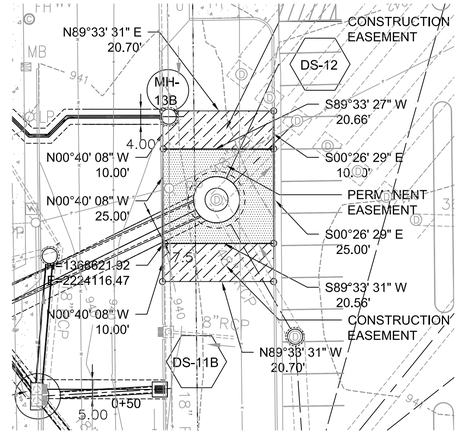
ACAD Rel: 19.1s (LMS Tech)
Filename: O:\73_WS\T-2\C-114C_-PP 48 IN TIE IN (3 OF 5).dwg
Last Saved: 10/10/2017 10:32 AM Saved By: JSanchez

Plot Date: 10/23/2017 3:53 PM Plot By: JSanchez Filename: O:\73_WS\T-2\C-114C_-PP 48 IN TIE IN (3 OF 5).dwg



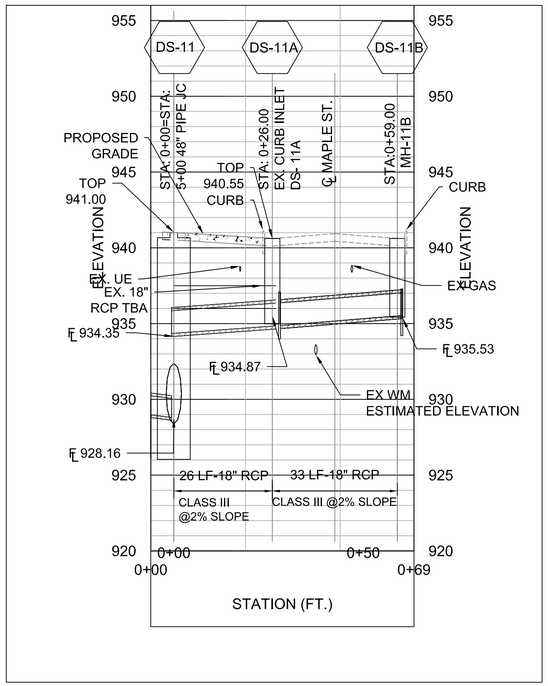
1 C-114D KEY PLAN

SCALE: 1" = 20 FEET



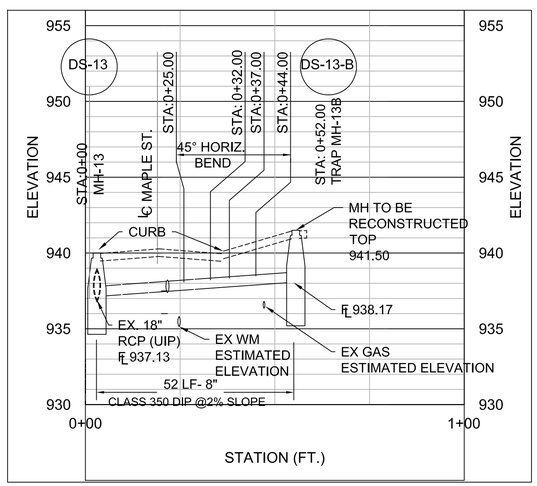
PERMANENT AND
CONSTRUCTION EASEMENT

SCALE: 1" = 20 FEET



1 C-114D PROFILE PLAN 18" RCP

SCALE:
HORIZ: 1" = 20 FEET
VERT: 1" = 5 FEET



2 C-114D PROFILE PLAN 8" DIP

SCALE:
HORIZ: 1" = 20 FEET
VERT: 1" = 5 FEET

LEGEND

———	PROPOSED STORM SEWER
- - - - -	EXISTING STORM SEWER
=========	BIORETENTION PIPE
JC	JUNCTION CHAMBER
TBA	TO BE ABANDONED
TBR	TO BE REMOVED
WM	WATER MAIN
UIP	USE IN PLACE

0 10' 20' 40'
SCALE IN FEET

Know what's below. Call before you dig.

CITY OF ATLANTA DEPARTMENT OF watershed management
jp2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

PLAN AND PROFILE
48" LATERAL CONNECTIONS (2 OF 2)

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	9/25/2017
1	ISSUED FOR CONSTRUCTION	10/6/2017

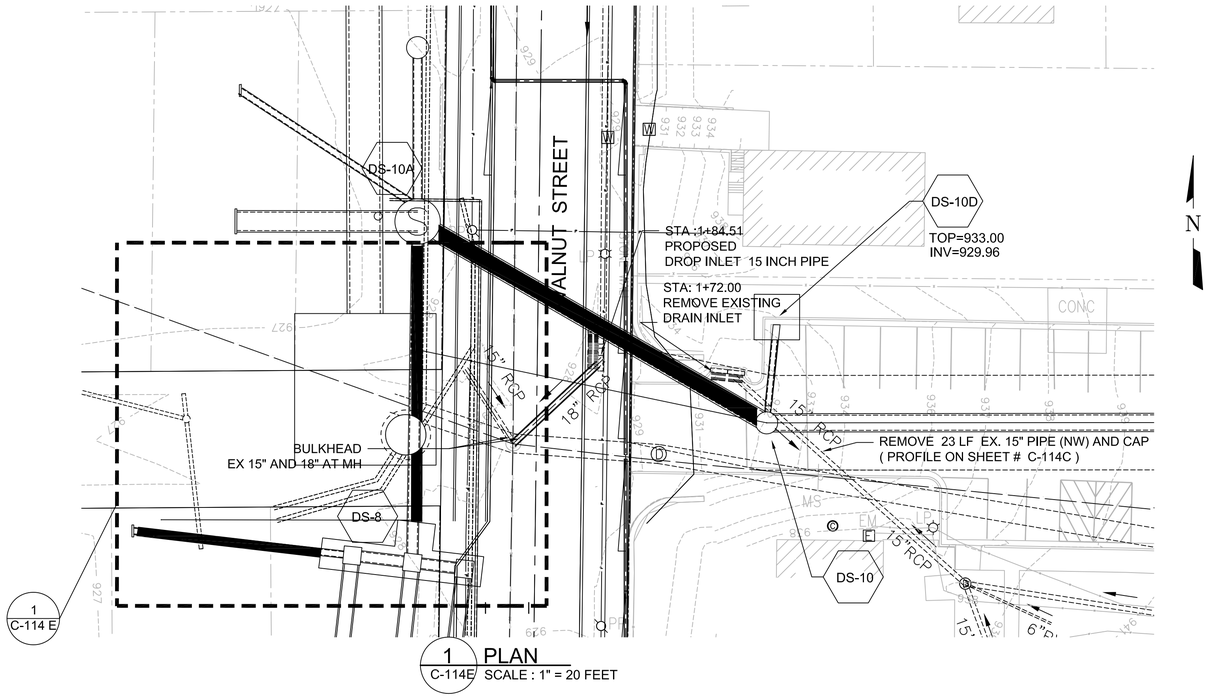
PROJECT NO:
DESIGNED BY: VFA
DRAWN BY: JS
CHECKED BY: SUM
DATE: 9-25-2017
SCALE:

DRAWING NO.
C-114D

SHEET OF

ACAD Rel: 20.1s (LMS Tech)
Filename: O:\73_WS\T-2\C-114D_ PP 48 IN TIE IN (4 OF 5).dwg
Last Saved: 10/10/2017 10:29 AM Saved By: JSanchez

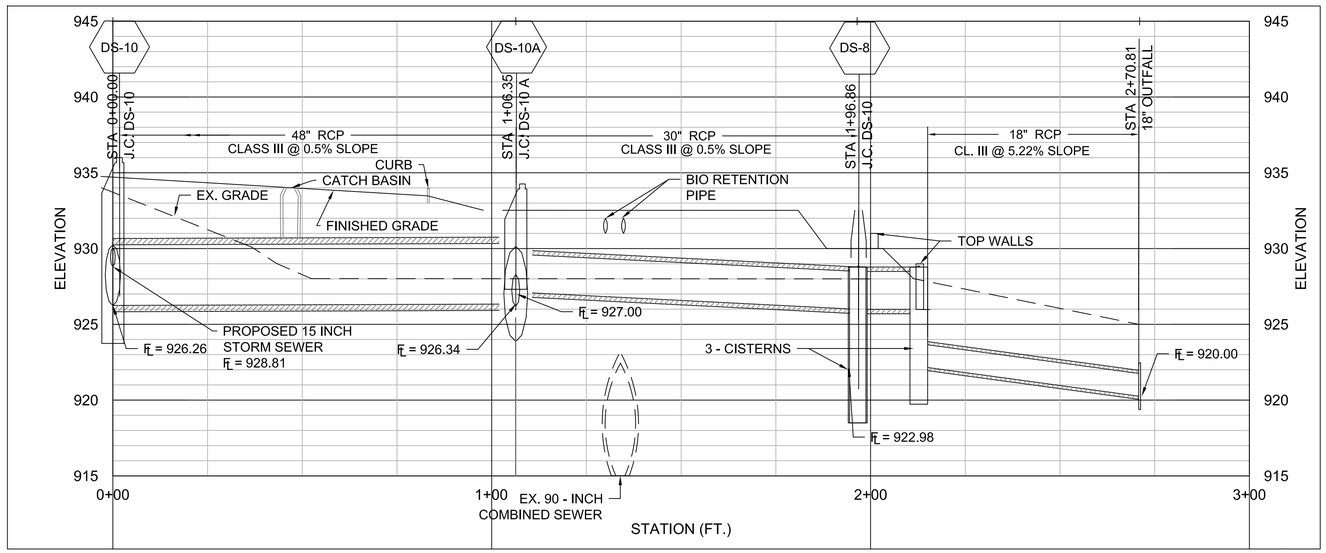
Plot Date: 10/23/2017 3:52 PM Plot By: JSanchez Filename: O:\73_WS\T-2\C-114D_ PP 48 IN TIE IN (4 OF 5).dwg



1 PLAN
C-114E SCALE : 1" = 20 FEET

LEGEND

- PROPOSED STORM WATER PLANTERS.
- PROPOSED PLAZA
- PROPOSED SIDEWALK
- PROPOSED ROADWAY
- PROPOSED STORM SEWER
- EXISTING STORM SEWER
- BIORETENTION PIPE



2 PROFILE
C-114E SCALE:
HORIZ: 1" = 20 FEET
VERT: 1" = 4 FEET

0 10' 20' 40'
SCALE IN FEET

811 Know what's below. Call before you dig.

CITY OF ATLANTA DEPARTMENT OF watershed management
JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

PLAN AND PROFILE
48" STORM SEWER

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	9/25/2017
1	ISSUED FOR CONSTRUCTION	10/6/2017

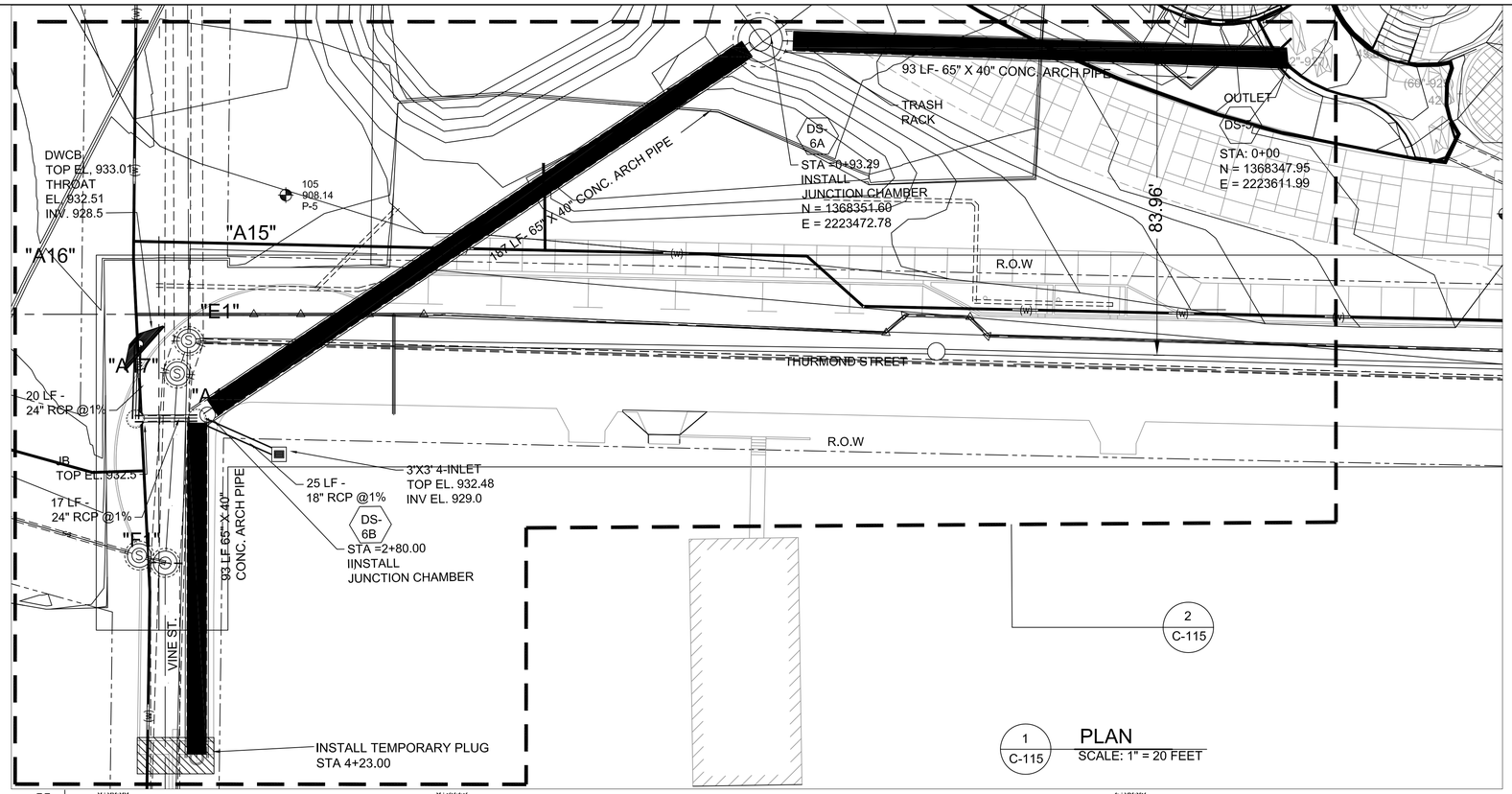
PROJECT NO:
DESIGNED BY: VFA
DRAWN BY: JS
CHECKED BY: SUM
DATE: 9-25-2017
SCALE:

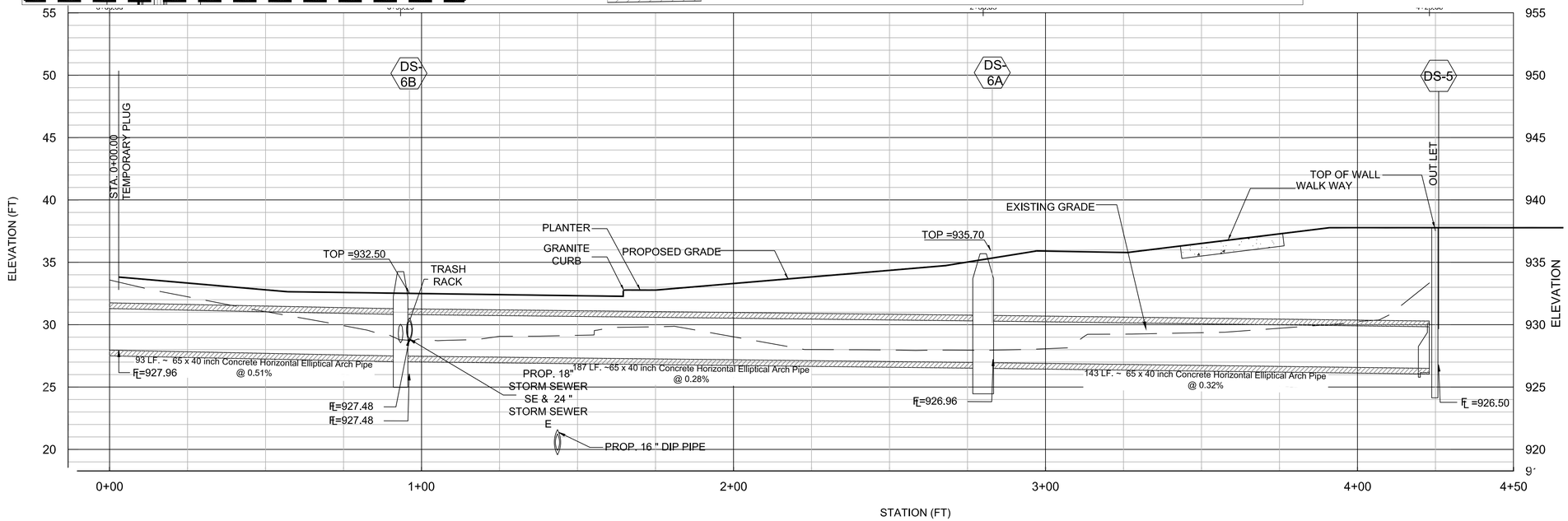
DRAWING NO.
C-114E

SHEET OF

ACAD Rel: 19.1s (LMS Tech)
Filename: O:\73_WS\T-2\C-114E_PP-48 IN TIE IN (5 OF 5).dwg
Last Saved: 10/10/2017 10:43 AM Saved By: JSanchez

Plot Date: 10/23/2017 4:30 PM Plot By: JSanchez Filename: O:\73_WS\T-2\C-114E_PP-48 IN TIE IN (5 OF 5).dwg





2
C-115
PROFILE
SCALE: 1" = 20 FEET HORIZONTAL
1" = 5 FEET VERTICAL

N

LEGEND

- PROPOSED STORM WATER PLANTERS, REFER TO SHEET C-516 FOR DETAILS
- PROPOSED SODDING
- PROPOSED SIDEWALK / DRIVE WAYS
- PROPOSED STORM SEWER
- EXISTING STORM SEWER
- BIORETENTION PIPE
- JC — JUNCTION CHAMBER

0 20' 40'
SCALE IN FEET

Know what's below. Call before you dig. 811

CITY OF ATLANTA DEPARTMENT OF watershed management
JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

PLAN & PROFILE 42" STORM SEWER

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	9/25/2017
1	ISSUED FOR CONSTRUCTION	10/6/2017

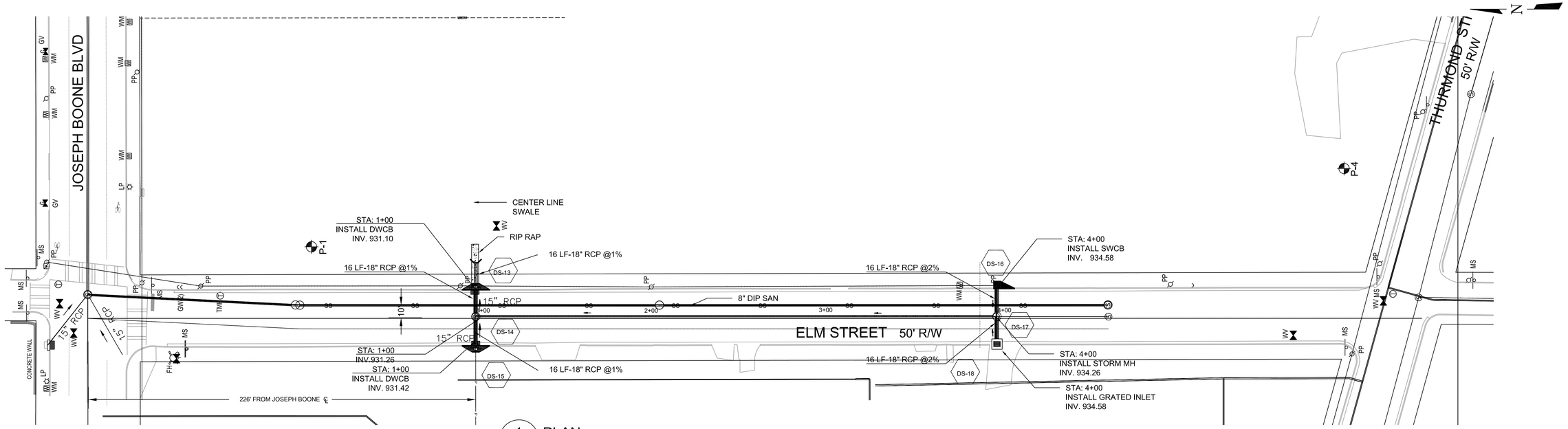
PROJECT NO:
DESIGNED BY: VFA
DRAWN BY: JS
CHECKED BY: SUM
DATE: 9-25-2017
SCALE:

DRAWING NO.
C-115

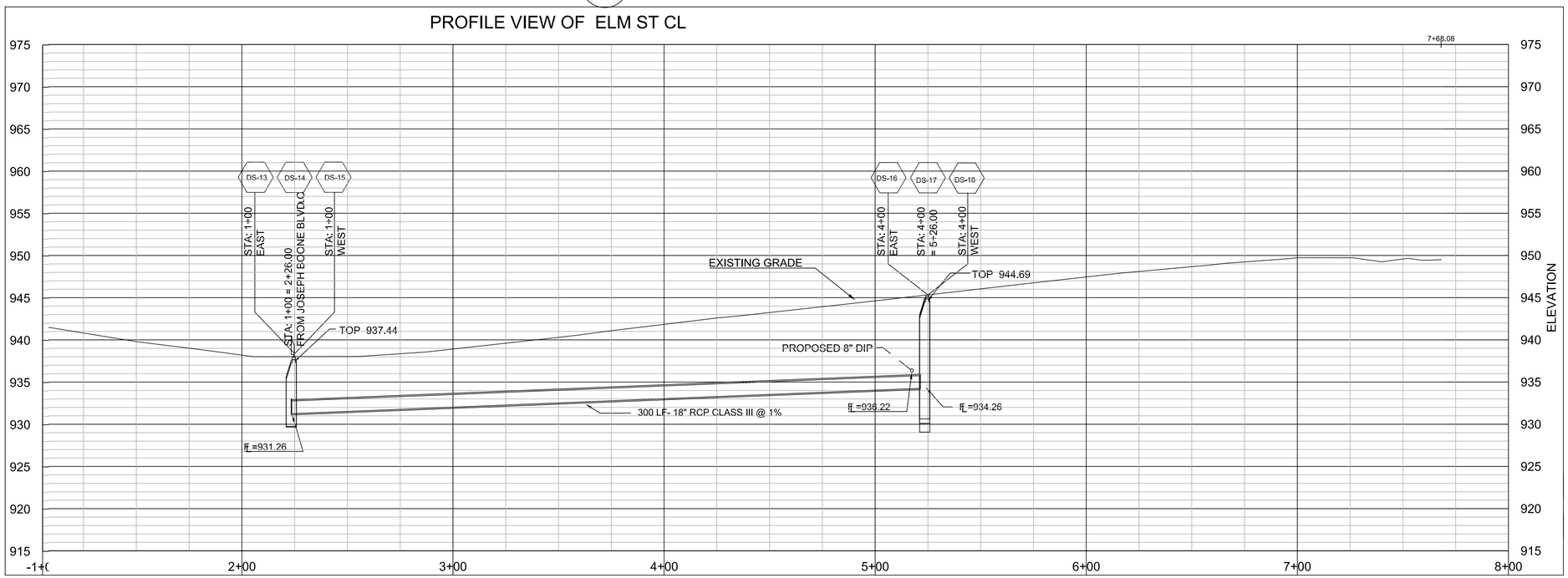
SHEET OF

ACAD Rel: 19.1s (LMS Tech)
Filename: O:\73_WS\T-2\C-115_PP-42IN STORM.dwg
Last Saved: 10/23/2017 2:52 PM Saved By: JSanchez

Plot Date: 10/23/2017 3:16 PM Plot By: JSanchez Filename: O:\73_WS\T-2\C-115_PP-42IN STORM.dwg



1 PLAN
C-117 SCALE : 1" = 30 FEET



2 PROFILE
C-117 SCALE: 1" = 30 FEET HORIZONTAL
1" = 5 FEET VERTICAL

DRAINAGE STRUCTURE TABLE			
DESIGNATION	STATION	STRUC. TYPE	REMARK
DS-13	1+00	DWCB	15.75' OFFSET E
DS-14	1+00	STORM MH	248' FROM J. BOONE
DS-15	1+00	DWCB	15.75' OFFSET W
DS-16	3+00	SWCB	15.75' OFFSET E
DS-17	3+00	STORM MH	CENTERLINE ELM ST
DS-18	3+00	SWCB	15.75' OFFSET W

LEGEND

	PROPOSED STORM SEWER
	EXISTING STORM SEWER
	BIORETENTION PIPE
JC	JUNCTION CHAMBER

NOTE:

STATION 1+00 ALONG ELM STREET = 226 FEET FROM JOSEPH E BOONE BLVD CENTERLINE

0 10' 20'
SCALE IN FEET

Know what's below. Call before you dig.

CITY OF ATLANTA DEPARTMENT OF watershed management
JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

PLAN AND PROFILE
ELM STREET STORM SEWER

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	9/25/2017
1	ISSUED FOR CONSTRUCTION	10/6/2017

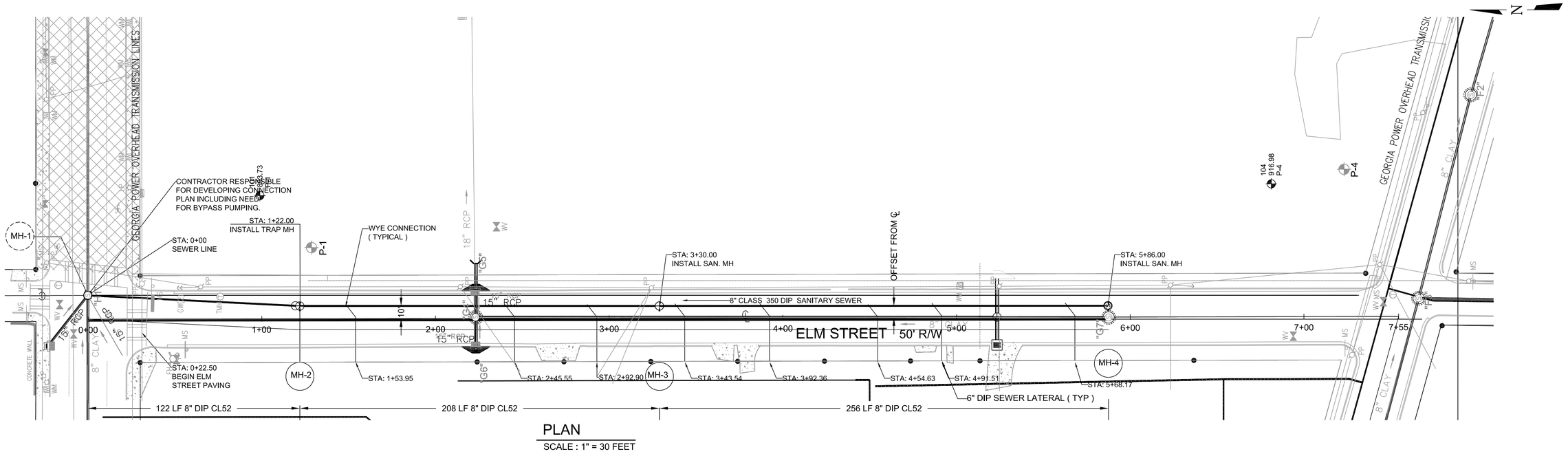
PROJECT NO:
DESIGNED BY: VFA
DRAWN BY: JS
CHECKED BY: SUM
DATE: 9-25-2017
SCALE:

DRAWING NO.
C-116

SHEET OF

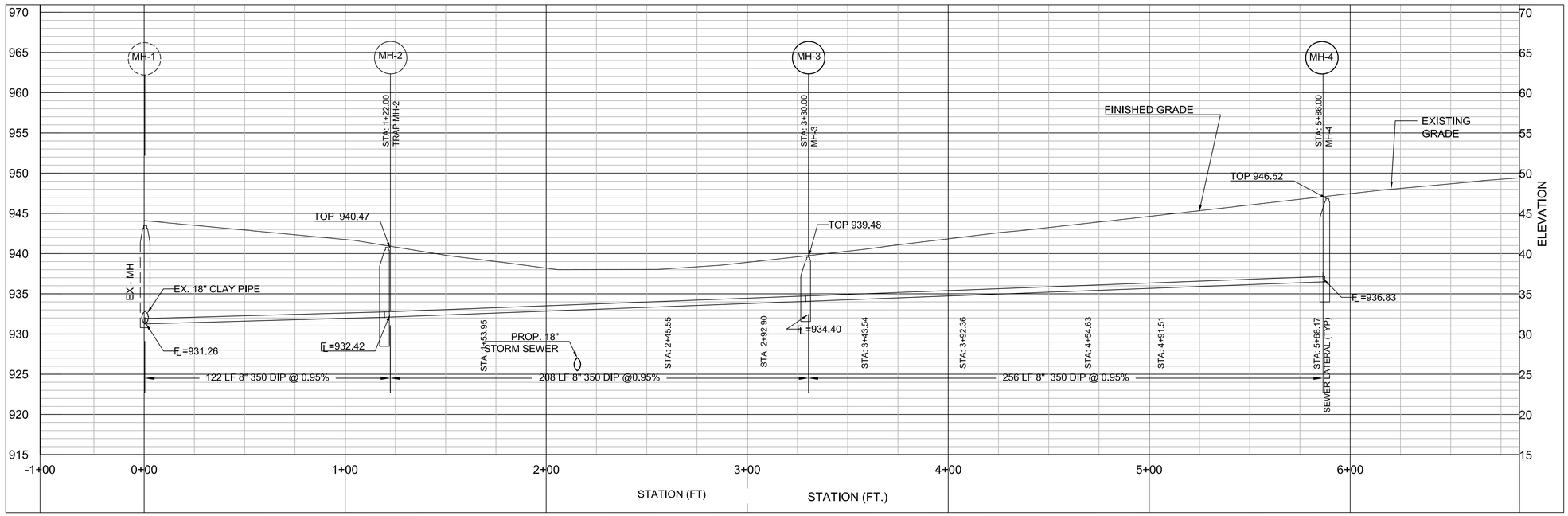
ACAD Rel: 19.1s (LMS Tech)
Filename: O:\73_WS\T-2\C-116_PP-ELM STREET-STORM SEWER.dwg
Last Saved: 10/20/2017 3:56 PM Saved By: JSanchez

Plot Date: 10/23/2017 8:00 AM Plot By: NPerrone Filename: O:\73_WS\T-2\C-116_PP-ELM STREET-STORM SEWER.dwg



PLAN

SCALE : 1" = 30 FEET



PROFILE

SCALE: 1" = 30 FEET HORIZONTAL
1" = 5 FEET VERTICAL

LATERAL NOTE:
SANITARY SEWER SERVICE CONNECTIONS ARE TO BE LOCATED DURING CONSTRUCTION.
CONTRACTOR IS RESPONSIBLE FOR RECONNECTING SERVICES TO NEW SEWER LINE AFTER THE NEW LINE IS TESTED.

Know what's below. Call before you dig.

JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

PLAN AND PROFILE
ELM STREET SANITARY SEWER

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	9/25/2017
1	ISSUED FOR CONSTRUCTION	10/6/2017

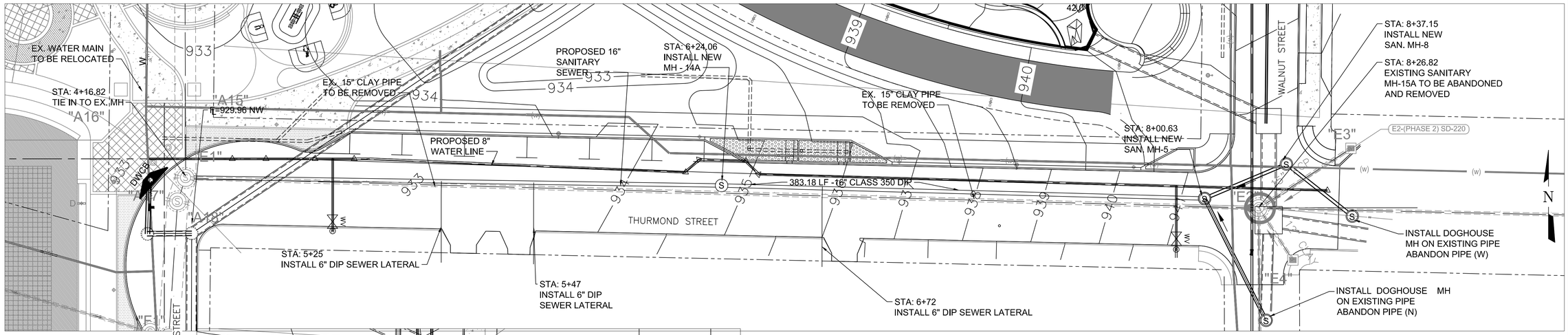
PROJECT NO:
DESIGNED BY: VFA
DRAWN BY: JS
CHECKED BY: SUM
DATE: 9-25-2017
SCALE:

DRAWING NO.
C-117

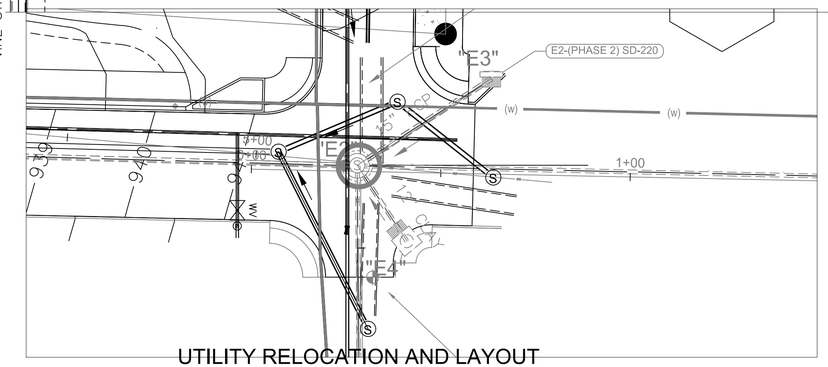
SHEET OF

ACAD Rel: 19.1s (LMS Tech)
Filename: O:\73_WS\T-2\C-117_PP-ELM STREET-SANITARY SEWER.dwg
Last Saved: 10/10/2017 11:01 AM Saved By: JSanchez

Plot Date: 10/20/2017 3:39 PM Plot By: JSanchez Filename: O:\73_WS\T-2\C-117_PP-ELM STREET-SANITARY SEWER.dwg



PLAN



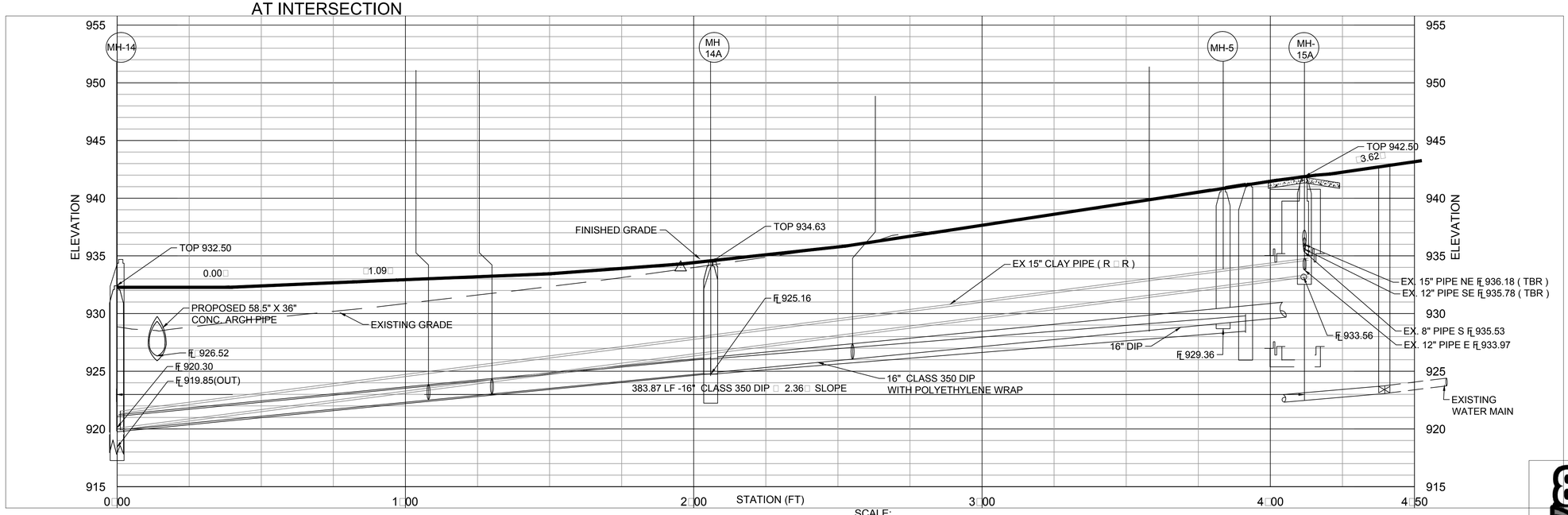
UTILITY RELOCATION AND LAYOUT AT INTERSECTION

LEGEND

PROPOSED ROADWAY

R □ R □ REMOVE AND REPLACE

TBR □ TO BE REMOVED



PROFILE

SCALE:
HORIZ : 1" □ 20 FEET
VERT : 1" □ 5 FEET

811 Know what's below. Call before you dig.

CITY OF ATLANTA DEPARTMENT OF watershed management
JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

PLAN AND PROFILE THURMOND STREET SANITARY SEWER

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	9/25/2017
1	ISSUED FOR CONSTRUCTION	10/6/2017

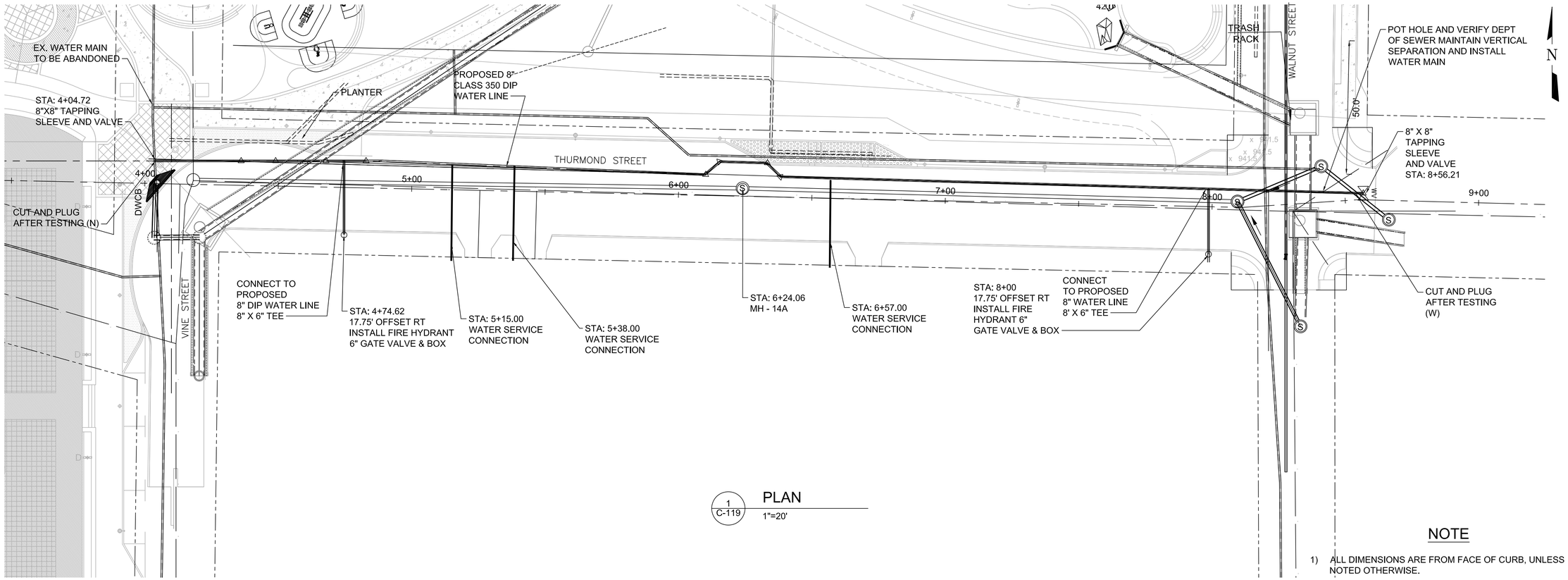
PROJECT NO:
DESIGNED BY: VFA
DRAWN BY: JS
CHECKED BY: SUM
DATE: 9-25-2017
SCALE:

DRAWING NO.
C-118

SHEET OF

ACAD Rel: 19.1s (LMS Tech)
Filename: O:\73_WS\T-2\C-118-PP-THURMOND STREET SANITARY SEWER.dwg
Last Saved: 10/22/2017 2:13 PM Saved By: SMajor

Plot Date: 10/22/2017 2:15 PM Plot By: SMajor Filename: O:\73_WS\T-2\C-118-PP-THURMOND STREET SANITARY SEWER.dwg

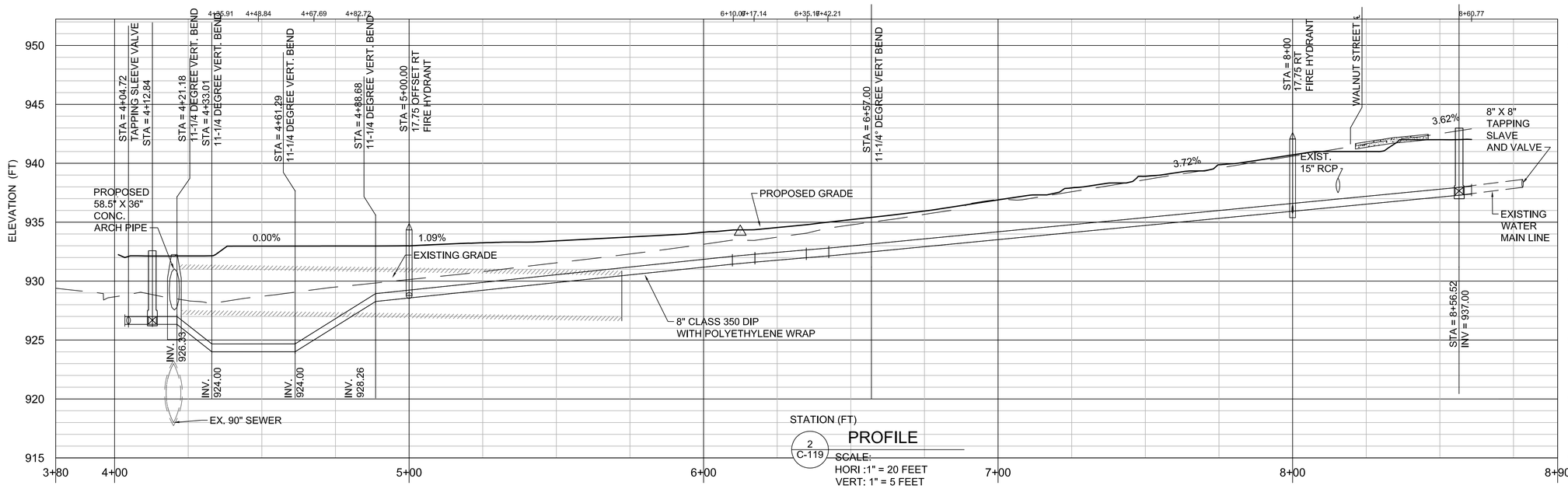


1 C-119 **PLAN**

1"=20'

NOTE

1) ALL DIMENSIONS ARE FROM FACE OF CURB, UNLESS NOTED OTHERWISE.



2 C-119 **PROFILE**

SCALE:
HORI :1" = 20 FEET
VERT: 1" = 5 FEET

0 20' 40'
SCALE IN FEET

811 Know what's **below.** **Call** before you dig.

CITY OF ATLANTA DEPARTMENT OF watershed management

jp2 5887 Glenridge Drive Suite 300 Atlanta, GA. 30328 Phone: 404.979.3300 Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT

UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT

RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

PLAN AND PROFILE THURMOND STREET WATER MAIN

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	9/25/2017
1	ISSUED FOR CONSTRUCTION	10/6/2017

PROJECT NO:
DESIGNED BY: VFA
DRAWN BY: JS
CHECKED BY: SUM
DATE: 9-25-2017
SCALE:

DRAWING NO.
C-119

SHEET OF

ACAD Rel: 19.1s (LMS Tech)
Filename: O:\73_WS\T-2\C-119 _PP-THURMOND STREET-WATER.dwg
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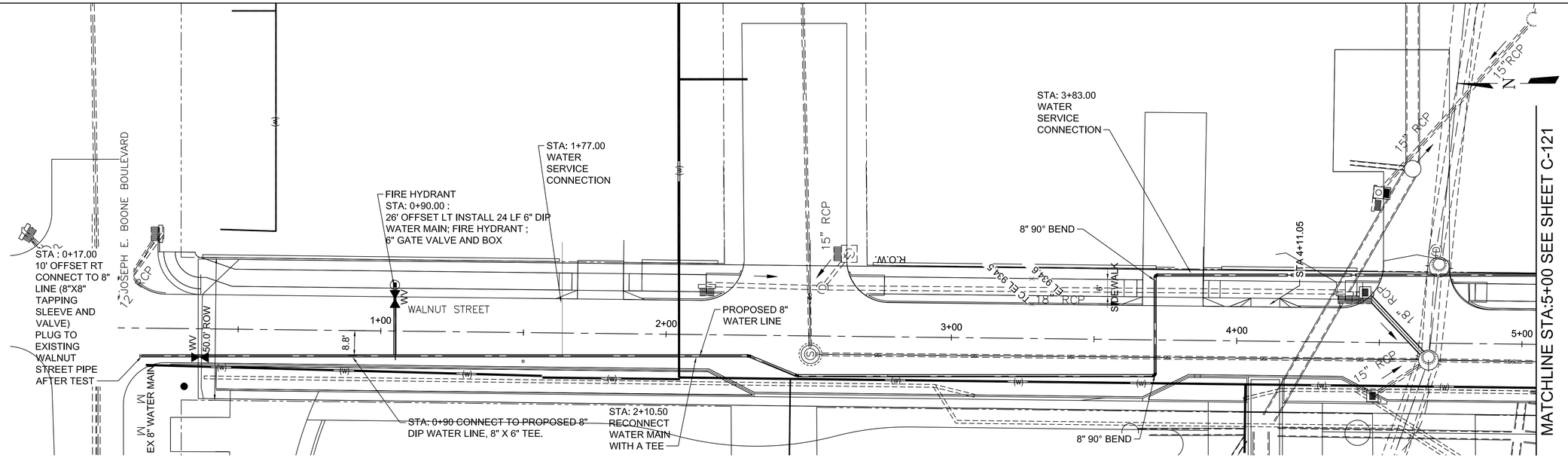
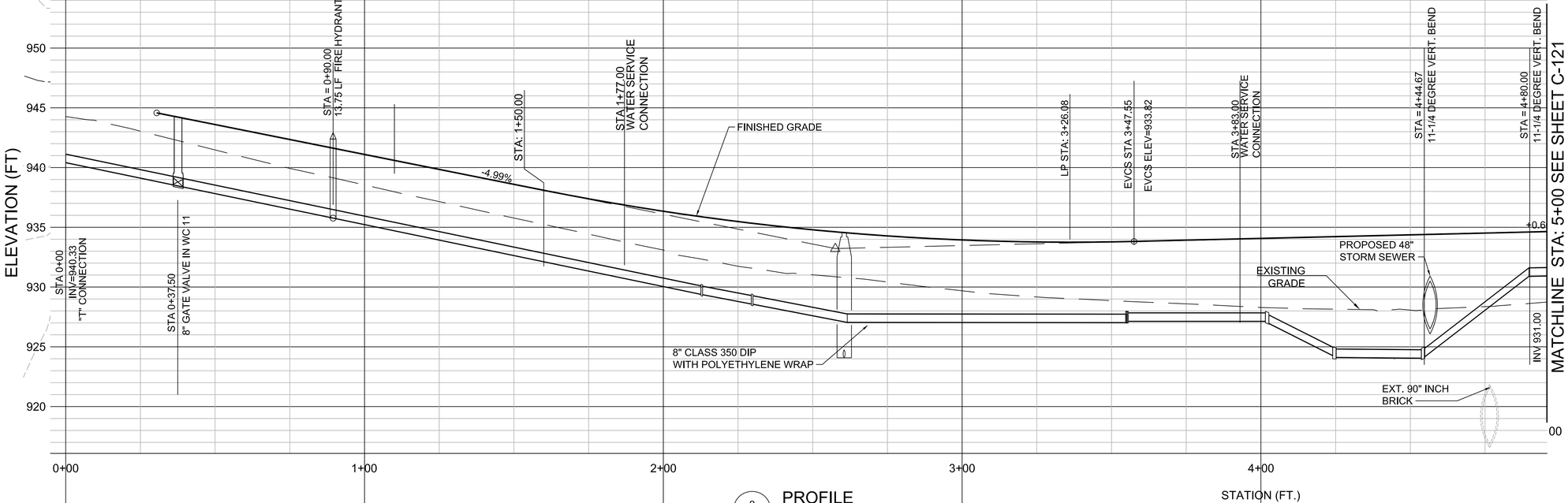


1 C-120 **PLAN**

1"=20'



2 C-120 **PROFILE**

SCALE:
HORIZ :1" = 20 FEET
VERT : 1" = 5 FEET

LEGEND

- PROPOSED PLAZA
- PROPOSED SIDEWALK
- PROPOSED ROADWAY
- FIRE HYDRANT

NOTES

1) ALL DIMENSIONS ARE FROM FACE OF CURB, UNLESS NOTED OTHERWISE.
2) FIRE HYDRANTS SHALL BE INSTALLED WITH NEW 8" WATER LINE PER CITY OF ATLANTA STANDARDS.
3) CONTRACTOR TO MAINTAIN SERVICE DURING WATER MAIN CONSTRUCTION

0 20' 40'
SCALE IN FEET

811 Know what's **below.** **Call** before you dig.

GEORGIA REGISTERED ENGINEER No. PE16170 PROFESSIONAL SUSAN U. MAJOR

CITY OF ATLANTA DEPARTMENT OF watershed management
JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

PLAN AND PROFILE WALNUT STREET WATER MAIN STA 0+00 TO 4+50

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	9/25/2017
1	ISSUED FOR CONSTRUCTION	10/6/2017

PROJECT NO:
DESIGNED BY: VFA
DRAWN BY: JS
CHECKED BY: SUM
DATE: 9-25-2017
SCALE:

DRAWING NO.
C-120

SHEET OF

ACAD Rel: 19.1s (LMS Tech)
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Last Saved: 10/22/2017 4:30 PM Saved By: SMajor

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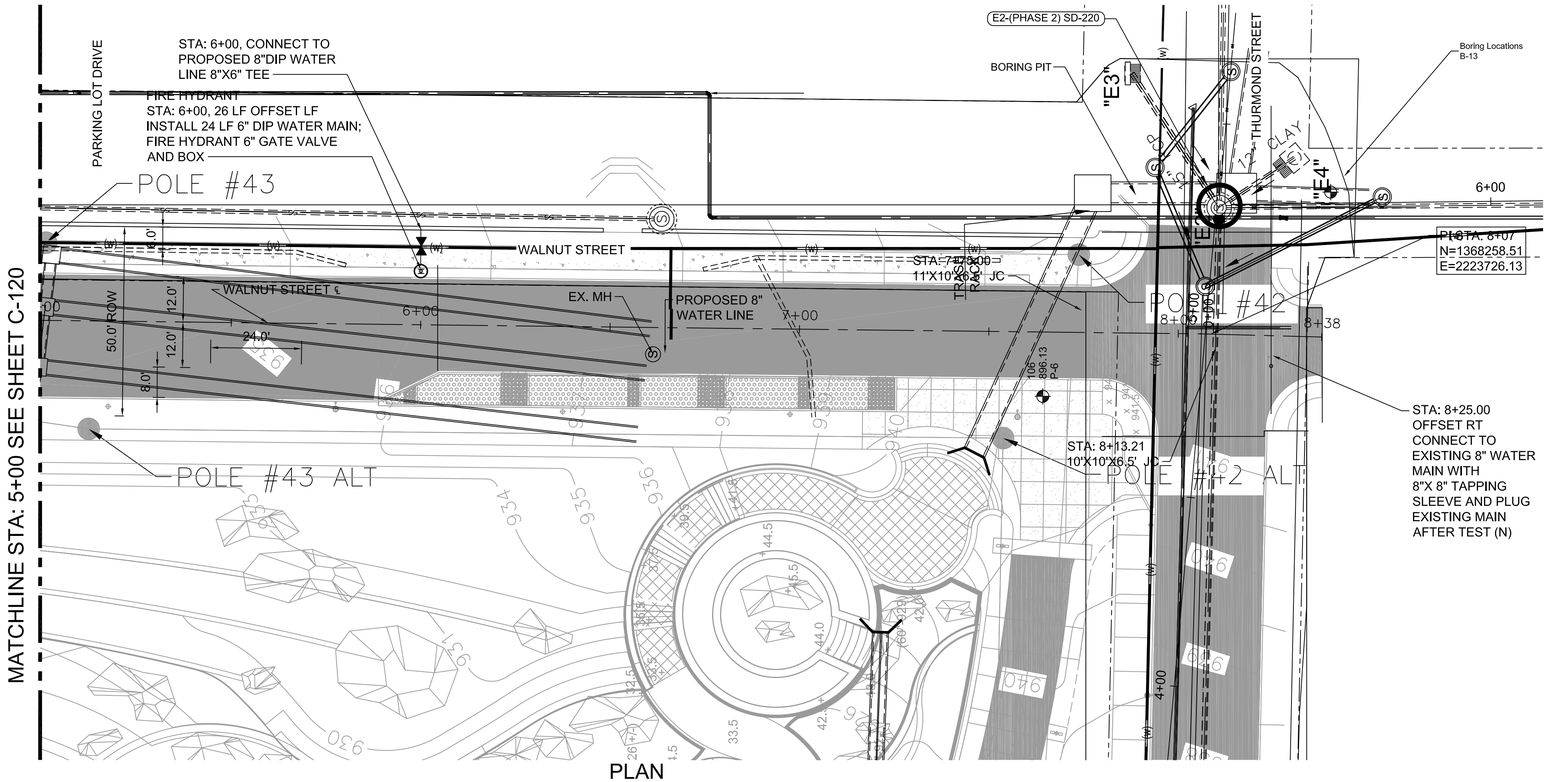
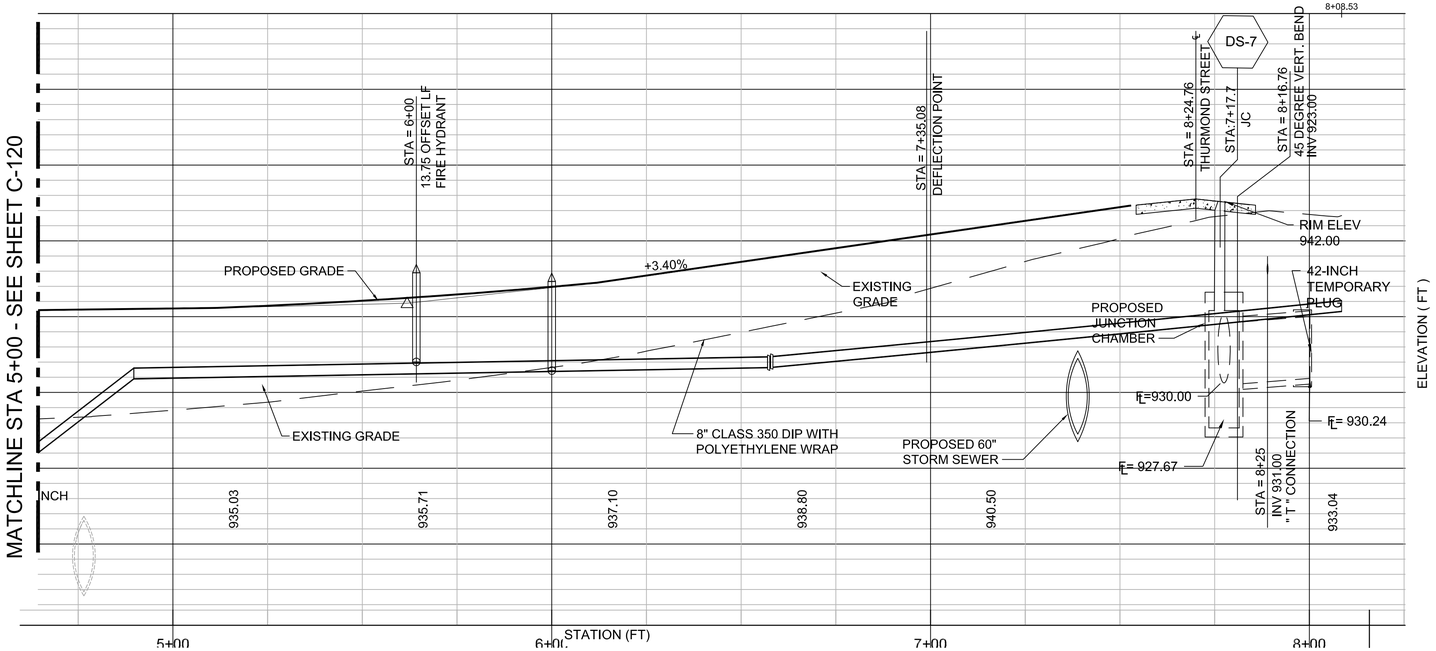




PROFILE

SCALE:
HORIZ: 1" = 20 FEET
VERT: 1" = 5 FEET

LEGEND

- PROPOSED STORMWATER PLANTERS, REFER TO SHEET C-516 FOR DETAILS
- PROPOSED PLAZA
- PROPOSED SIDEWALK
- PROPOSED ROADWAY
- PROPOSED STORM DRAIN
- EXISTING STORM DRAIN
- BIORETENTION PIPE
- JC JUNCTION CHAMBER

0 20' 40'
SCALE IN FEET

Know what's **below.** **Call** before you dig.

CITY OF ATLANTA DEPARTMENT OF watershed management
JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY
PLAN AND PROFILE
WALNUT STREET WATER MAIN
STA 4+50 TO END

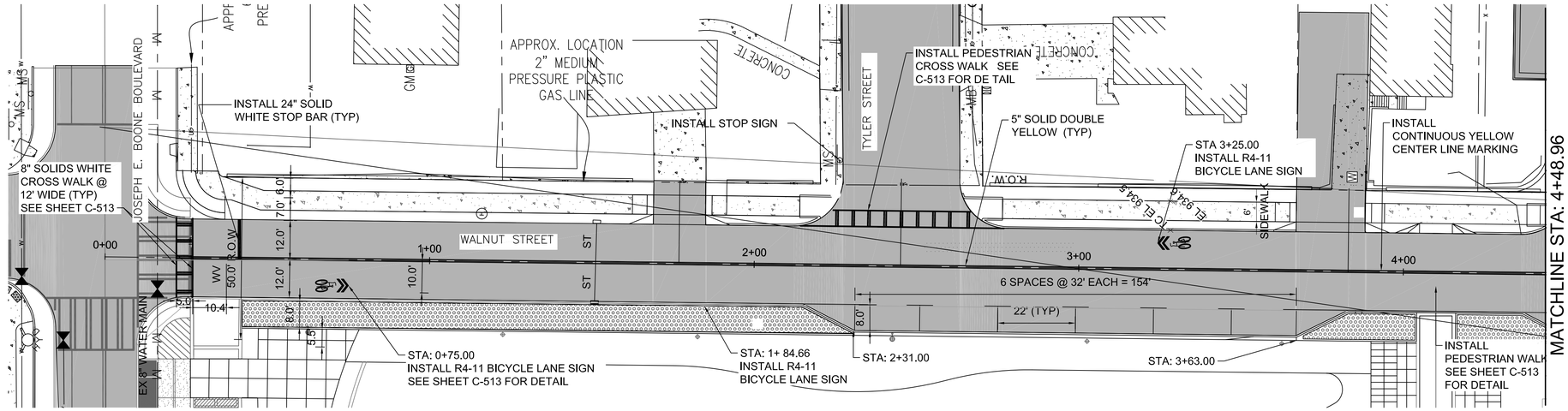
No.	Description	Date
0	ISSUED FOR CONSTRUCTION	9/25/2017
1	ISSUED FOR CONSTRUCTION	10/6/2017

PROJECT NO:
DESIGNED BY: VFA
DRAWN BY: JS
CHECKED BY: SUM
DATE: 9-25-2017
SCALE:

DRAWING NO.
C-121

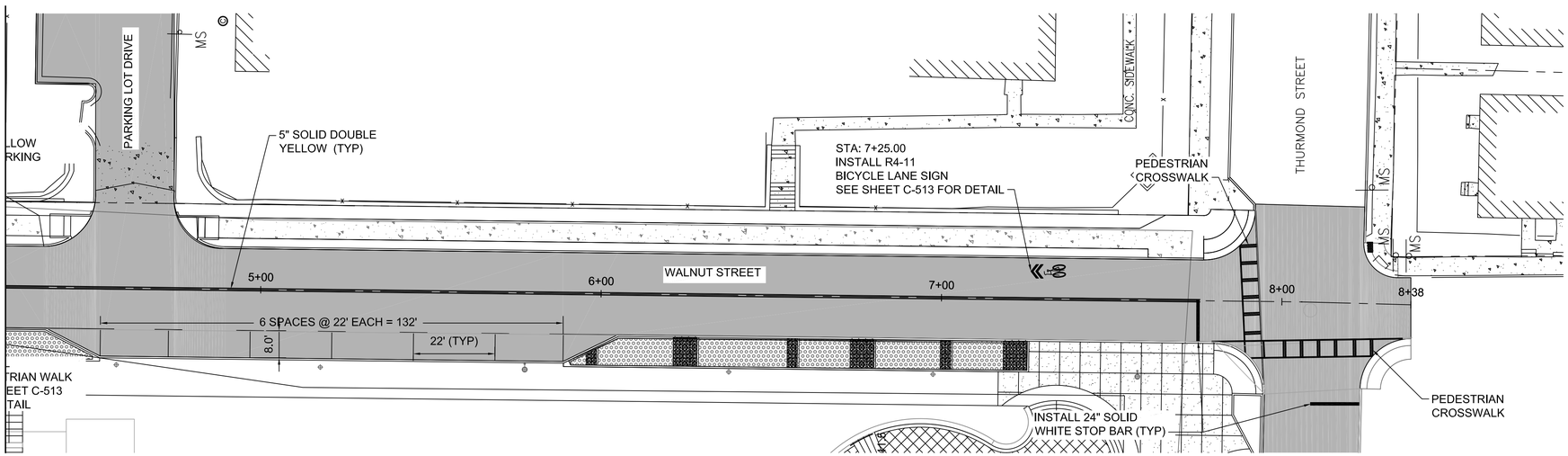
SHEET OF

ACAD Rel: 19.1s (LMS Tech)
Filename: O:\73_WS\T-2\C-121_PP-WALNUT-WATER-450 TO END.dwg
Last Saved: 10/23/2017 12:07 PM Saved By: nperrone
Plot Date: 10/23/2017 12:29 PM Plot By: nperrone Filename: O:\73_WS\T-2\C-121_PP-WALNUT-WATER-450 TO END.dwg



PLAN

SCALE: 1" = 20 FEET



PLAN

SCALE: 1" = 20 FEET

LEGEND

- PROPOSED STORMWATER PLANTERS, REFER TO SHEET C-516 FOR DETAILS
- PROPOSED PLAZA
- PROPOSED SIDEWALK
- PROPOSED ROADWAY
- FOR PARKING DETAIL SEE SHEET C-513

0 20' 40'

SCALE IN FEET

Know what's below. Call before you dig.

CITY OF ATLANTA DEPARTMENT OF watershed management

JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT

UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT

RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

PAVEMENT MARKING PLAN
WALNUT STREET

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	9/25/2017
1	ISSUED FOR CONSTRUCTION	10/6/2017

PROJECT NO:
DESIGNED BY: VFA
DRAWN BY: JS
CHECKED BY: SJM
DATE: 9-25-2017
SCALE:

DRAWING NO.
C-122

SHEET OF

ACAD Rel: 19.1s (LMS Tech)
Filename: O:\73_WS\T-2\C-122_WALNUT ST PAVEMENT MARKING PLAN.dwg
Last Saved: 10/23/2017 12:25 PM Saved By: NPerrone

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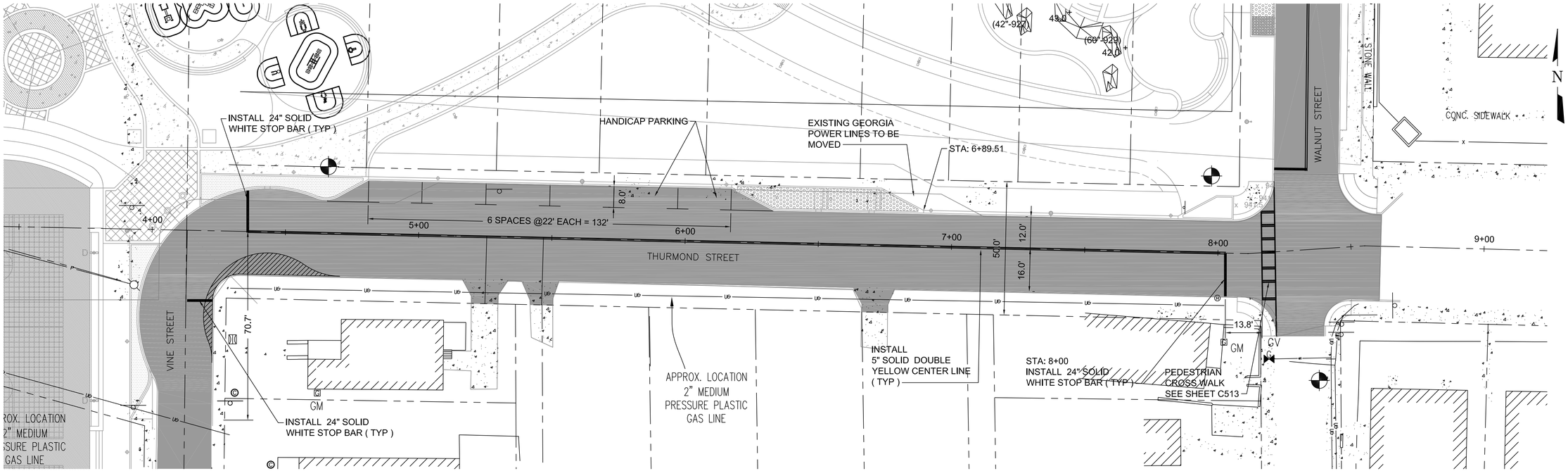

1
C-123

PLAN VIEW

SCALE: 1" = 20 FEET

LEGEND

- PROPOSED STORMWATER PLANTERS, REFER TO SHEET C-516 FOR DETAILS
- PROPOSED PLAZA
- PROPOSED SIDEWALK
- PROPOSED ROADWAY
- PROPOSED BUTT JOINT
- FOR PARKING DETAIL SEE SHEET C-513

0 20' 40'
SCALE IN FEET

Know what's below. Call before you dig.

GEORGIA
GEORGE T. HIGH
No. PE16610
PROFESSIONAL ENGINEER
SUSAN U. MAJOR

CITY OF ATLANTA DEPARTMENT OF watershed management

JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

PAVEMENT MARKING PLAN
THURMOND STREET

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	9/25/2017
1	ISSUED FOR CONSTRUCTION	10/6/2017

PROJECT NO:
DESIGNED BY: VFA
DRAWN BY: NO/ARC
CHECKED BY: THH
DATE: 9-25-2017
SCALE:

DRAWING NO.
C-123

SHEET OF

ACAD Rel: 19.1s (LMS Tech)
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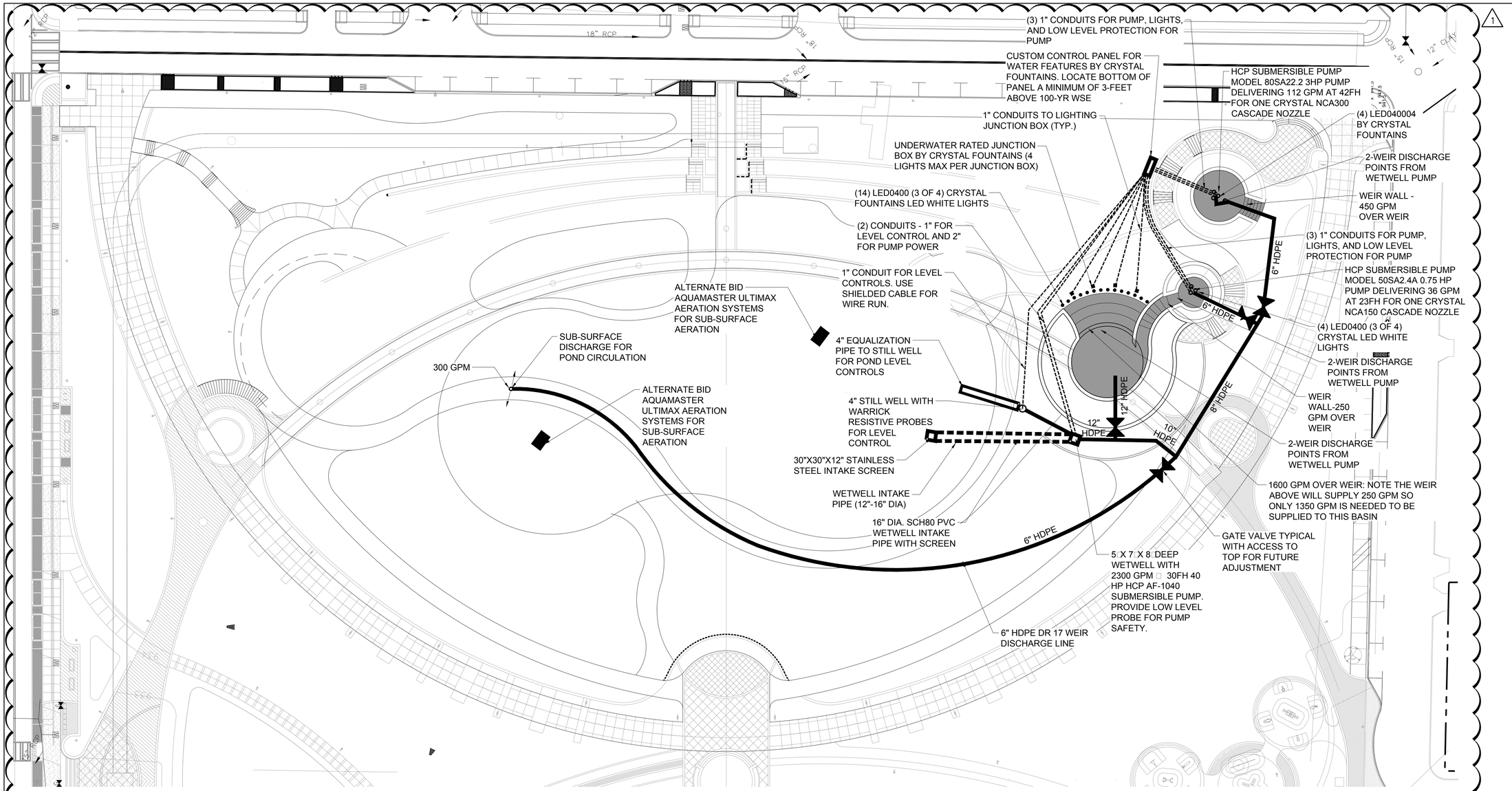
Last Saved: 10/20/2017 3:11 PM Saved By: JSanchez



WATER FEATURE DESIGN NARRATIVE

THE WATER FEATURE IS STONE LINED STREAM FLOWING INTO A POND AND A SERIES OF THREE ELEVATED BASINS WITH CASCADE NOZZLE EFFECTS LOCATED IN THE UPPER AND MIDDLE BASINS. THE UPPER BASIN HAS A WATERFALL THAT DROPS INTO THE HEADWATER OF THE STONE LINED STREAM. THE WEIR FLOW FROM THE UPPER BASIN WATERWALL SHALL BE APPROXIMATELY 1" HIGH WITH A TOTAL GPM OF 450 GPM. WATER SUPPLIED TO THE MIDDLE BASIN, FLOWS DOWN A STEPPED CASCADE TO THE LOWER BASIN. THE FLOW DOWN THESE STEPS SHALL BE 250 GPM WHICH WILL CREATE AN APPROXIMATE 1" FLOW DEPTH. THE LOWEST BASIN HAS A 40' WEIR THAT CREATES A WATERFALL INTO THE LOWER STREAM CHANNEL. THE WEIR FLOW FROM THIS WATERWALL WILL BE APPROXIMATELY 1" HIGH WITH A FLOW RATE OF 1600 GPM.

FOUR WHITE LED LIGHTS WILL BE LOCATED AROUND THE BASE OF BOTH CASCADE NOZZLES MOUNTED TO THE CONCRETE 18" FROM THE NOZZLE. CONDUITS AT THE BASE OF EACH LIGHT WILL CONNECT TO THE PUMP SUMP ALLOWING THE LIGHTING CABLE TO CONNECT TO SUBMERSIBLE JUNCTION BOXES, LOCATED IN THE SUMPS. JUNCTION BOX CAN BE LOCATED IN THE PIT OR A FLUSH MOUNT JUNCTION BOX IN THE FLOOR.

FOURTEEN NICHE-MOUNTED WHITE LED LIGHTS WILL BE LOCATED AT THE BASE OF THE LOWER BASIN WATERFALL. THE LIGHTING CONDUITS WILL BE RUN TO FOUR FLUSH-MOUNTED JUNCTION BOXES WITH NO JUNCTION BOX POWERING MORE THAN FOUR LIGHTS. CONTRACTOR SHALL SUBMIT THE LOCATION OF THE LIGHTS AND JUNCTION BOXES FOR APPROVAL.

THE CASCADE NOZZLE EFFECTS ARE SUPPLIED BY SUBMERSIBLE PUMPS CONNECTED DIRECTLY TO THE NOZZLES IN THE BASINS. THE CASCADE NOZZLE PUMPS ARE LOCATED IN 30"X30"X30" FRP GRATING COVERED SUMPS IN THE CENTER OF THE BASINS. THE PUMPS WILL BE CONTROLLED WITH A VARIABLE FREQUENCY DRIVE TO ALLOW THE ADJUSTMENT OF THE HEIGHT OF THE NOZZLES IN LOW AND HIGH WIND CONDITIONS. SUBMERSIBLE JUNCTION BOXES, LOCATED IN THE SUMPS WILL ALLOW CONNECTION OF THE PUMPS TO THE WIRING FROM THE VFD'S IN THE CONTROL PANEL.

A 5'X7'X8'DEEP WET WELL IS LOCATED IN A PAVING AREA NEAR THE POND. THIS WET WELL WILL BE CONNECTED TO THE POND BY A 16" SCH80 PVC FLUME PIPE WITH A CUSTOM SS SCREEN AT THE INLET. THE ACCESS TO THE WET WELL WILL BE A TWO HINGED 30"X60" PAVER HATCHES. THIS WET SHALL HAVE ONE SUBMERSIBLE JUNCTION BOXES FOR CONNECTION TO THE PUMP AND A SUBMERSIBLE JUNCTION BOX FOR THE CONNECTION OF THE RESISTIVE PROBES FOR LOW LEVEL PROTECTION.

WEIR FLOW TO THE BASINS IS PROVIDED BY A 40HP/2300GPM SUBMERSIBLE PUMP LOCATED THE WET WELL. THIS PUMP WILL SHARE A PORTION OF ITS CAPACITY TO A SUBSURFACE DISCHARGE IN THE OPPOSITE AND OF THE POND. A CHECK VALVE (LOCATED IN THE WET WELL) AND BURIED GATE VALVES (LOCATED OUTSIDE WET WELL) ON THE DISCHARGE OF THIS PUMP ALLOW ADJUSTMENT OF THE FLOW TO THE UPPER AND POND AND PREVENT BACKFLOW WHEN THE PUMP IS OFF.

Know what's below. Call before you dig.

GEORGIA REGISTERED No. PE037177 PROFESSIONAL ENGINEER TRICIA H. THAI 10/23/17

CITY OF ATLANTA DEPARTMENT OF watershed management
JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	10/2/2017
1	REV. 1 - ISSUED FOR CONSTRUCTION	10/23/2017

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

CIVIL

WET POND AERATION / FILTRATION LAYOUT

PROJECT NO:	
DESIGNED BY:	NO/ARC
DRAWN BY:	THH
CHECKED BY:	10-23-2017
DATE:	
SCALE:	

DRAWING NO.
C-124

SHEET ---- OF 24

ACAD Rel: 20.0s (LMS Tech)
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Plot Date: 10/20/2017 4:43 PM Plot By: 02589 Filename: N:\LA\100%\Drawings\CV-JP2-PL-PUMP.dwg

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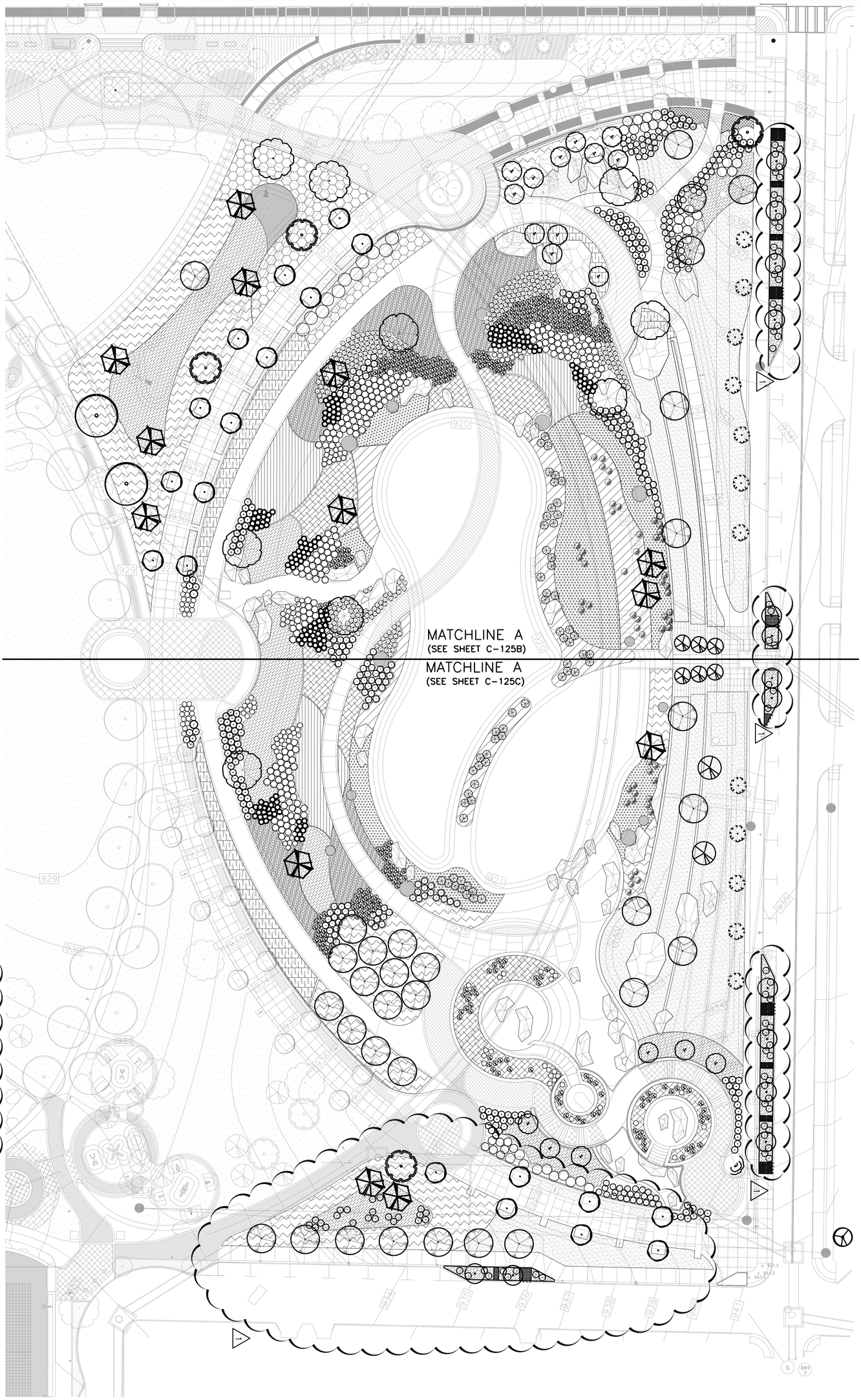
Plot Date: 10/20/2017 4:20 PM Plot By: 02589 Filename: N:\LA\100%\Drawings\LA-ALL-PL-PLANT01.dwg



GENERAL NOTES

1. ALL HATCHES & TREE SYMBOLS SHADED IN GREY ARE PLANT MATERIAL TO BE INSTALLED PER HDR PLANS.

SCALE IN FEET
0 10' 20' 30' 60'

N

Know what's below. Call before you dig. 811

SHEET	DRAWING NO.	PROJECT NO:	DESIGNED BY:	DRAWN BY:	CHECKED BY:	DATE:	SCALE:
OF	C-125A		MLM	EAF	MLM	10-23-2017	

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	10/2/2017
1	REV. 1 - ISSUED FOR CONSTRUCTION	10/23/2017

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

CIVIL

BASIN AREA
OVERALL VEGETATION PLAN

CITY OF ATLANTA DEPARTMENT OF watershed management

JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

GEORGIA REGISTERED No. PE027177 PROFESSIONAL ENGINEER TRICIA H. HALEY
10/23/17

LEGEND

XX — TREE SPECIES

XX / XXX — PLANT SPECIES / PLANT QUANTITY

GENERAL NOTES

1. REFER TO SHEET C-126 FOR ALL LANDSCAPE PLANTING DETAILS.
2. REFER TO PLANT LIST SHEET C-127 FOR PLANT NAMES, SIZES, & DESCRIPTIONS.
3. NOTIFY ENGINEER OF ANY DISCREPANCY BETWEEN DIMENSIONS &FIELD CONDITIONS.
4. ALL HATCHES & TREE SYMBOLS SHADED IN GREY ARE PLANT MATERIAL TO BE INSTALLED PER HDR PLANS.

MATCHLINE A
(SEE SHEET C-125C)

0 10' 20' 40'
SCALE IN FEET

Know what's below. Call before you dig.

GEORGIA REGISTERED No. PE027177 PROFESSIONAL ENGINEER TRICIA H. HALEY 10/23/17

CITY OF ATLANTA DEPARTMENT OF watershed management
JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

CIVIL

BASIN AREA VEGETATION PLAN 1

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	10/2/2017
1	REV. 1 - ISSUED FOR CONSTRUCTION	10/23/2017

PROJECT NO:
DESIGNED BY: MLM
DRAWN BY: EAF
CHECKED BY: MLM
DATE: 10-23-2017
SCALE:

DRAWING NO.
C-125B

SHEET ___ OF

ACAD Rel: 20.0s (LMS Tech)
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Last Saved: 10/20/2017 5:47 PM Saved By: 02589

Plot Date: 10/20/2017 5:52 PM Plot By: 02589 Filename: N:\LA\100%\Drawings\LA-ALL-PL-PLANT02.dwg

MATCHLINE A
(SEE SHEET C-125B)

LEGEND

XX — TREE SPECIES

XX / XXX — PLANT SPECIES / PLANT QUANTITY

GENERAL NOTES

1. REFER TO SHEET C-126 FOR ALL LANDSCAPE PLANTING DETAILS.
2. REFER TO PLANT LIST SHEET C-127 FOR PLANT NAMES, SIZES, & DESCRIPTIONS.
3. NOTIFY ENGINEER OF ANY DISCREPANCY BETWEEN DIMENSIONS &FIELD CONDITIONS.
4. ALL HATCHES & TREE SYMBOLS SHADED IN GREY ARE PLANT MATERIAL TO BE INSTALLED PER HDR PLANS.

PLACEMENT OF TREE TO BE DETERMINED ON SITE BY CITY AND LAND OWNER

N

0 10' 20' 40'
SCALE IN FEET

811 Know what's below. Call before you dig.

GEORGIA REGISTERED No. PE027177 PROFESSIONAL ENGINEER TRICIA H. MALEY 1023417

CITY OF ATLANTA DEPARTMENT OF watershed management
JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

CIVIL

BASIN AREA VEGETATION PLAN 2

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	10/2/2017
1	REV. 1 - ISSUED FOR CONSTRUCTION	10/23/2017

PROJECT NO:
DESIGNED BY: MLM
DRAWN BY: EAF
CHECKED BY: MLM
DATE: 10-23-2017
SCALE:

DRAWING NO.
C-125C

SHEET --OF

ACAD Rel: 20.0s (LMS Tech)
Filename: N:\LA\100%\Drawings\LA-ALL-PL-PLANT03.dwg
Last Saved: 10/20/2017 4:11 PM Saved By: 02589

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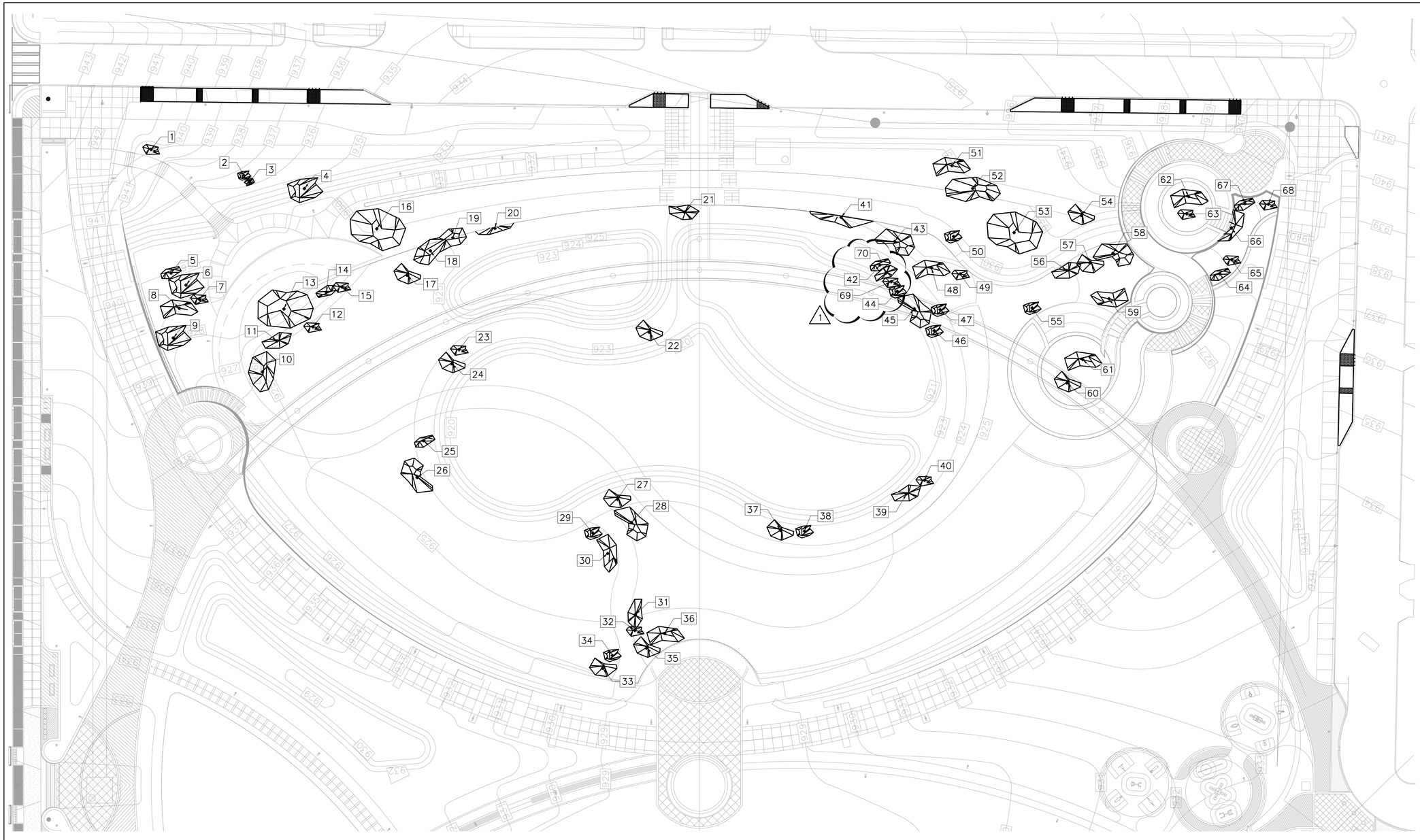

BOULDER LOCATION TABLE		
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2	X: 185305.86	Y: 114076.84
3	X: 185305.54	Y: 114076.58
4	X: 185305.23	Y: 114073.91
5	X: 185301.14	Y: 114080.37
6	X: 185300.55	Y: 114079.65
7	X: 185299.86	Y: 114078.99
8	X: 185299.43	Y: 114079.97
9	X: 185297.99	Y: 114080.26
10	X: 185296.34	Y: 114075.94
11	X: 185297.84	Y: 114075.23
12	X: 185298.53	Y: 114073.49
13	X: 185299.39	Y: 114074.90
14	X: 185300.20	Y: 114072.84

BOULDER LOCATION TABLE		
15	X: 185300.46	Y: 114072.09
16	X: 185303.28	Y: 114070.39
17	X: 185301.03	Y: 114068.93
18	X: 185302.22	Y: 114067.80
19	X: 185302.85	Y: 114066.70
20	X: 185303.31	Y: 114064.66
21	X: 185304.09	Y: 114055.47
22	X: 185298.27	Y: 114057.18
23	X: 185297.42	Y: 114066.41
24	X: 185296.74	Y: 114066.76
25	X: 185293.00	Y: 114068.12
26	X: 185291.22	Y: 114068.44
27	X: 185290.16	Y: 114058.73
28	X: 185289.03	Y: 114058.05

BOULDER LOCATION TABLE		
29	X: 185288.52	Y: 114059.92
30	X: 185287.42	Y: 114059.19
31	X: 185284.57	Y: 114057.86
32	X: 185283.80	Y: 114057.88
33	X: 185281.97	Y: 114059.45
34	X: 185282.58	Y: 114058.98
35	X: 185282.95	Y: 114057.32
36	X: 185283.66	Y: 114056.43
37	X: 185283.65	Y: 114050.82
38	X: 185288.62	Y: 114049.66
39	X: 185290.43	Y: 114044.71
40	X: 185291.08	Y: 114043.83
41	X: 185303.84	Y: 114047.87
42	X: 185300.25	Y: 114045.15

BOULDER LOCATION TABLE		
43	X: 185302.67	Y: 114045.28
44	X: 185300.25	Y: 114045.15
45	X: 185299.40	Y: 114044.33
46	X: 185298.34	Y: 114043.37
47	X: 185299.36	Y: 114043.08
48	X: 185301.39	Y: 114043.50
49	X: 185301.09	Y: 114042.10
50	X: 185302.01	Y: 114046.24
51	X: 185306.35	Y: 114042.50
52	X: 185305.24	Y: 114041.49
53	X: 185303.10	Y: 114039.49
54	X: 185303.93	Y: 114036.23
55	X: 185299.45	Y: 114038.61
56	X: 185301.27	Y: 114036.92

BOULDER LOCATION TABLE		
57	X: 185301.62	Y: 114035.81
58	X: 185302.10	Y: 114034.69
59	X: 185299.89	Y: 114034.88
60	X: 185295.81	Y: 114036.92
61	X: 185296.95	Y: 114036.17
62	X: 185304.85	Y: 114031.03
63	X: 185304.01	Y: 114031.11
64	X: 185301.09	Y: 114029.50
65	X: 185301.78	Y: 114028.94
66	X: 185303.32	Y: 114028.94
67	X: 185304.51	Y: 114028.29
68	X: 185304.47	Y: 114027.15
69	X: 185300.71	Y: 114045.45
70	X: 185300.12	Y: 114045.71

NOTES:
1. BOULDERS SHALL BE NATURAL GRANITE AND IRREGULAR SHAPED.
2. BOULDER LOCATIONS SHALL BE MARKED ON SITE PRIOR TO PLACEMENT.
3. BOULDERS SHALL BE FIELD SELECTED IN APPRX. FOUR (4) DIFFERENT SIZES

X-LARGE- 8'X15'X7'
LARGE - 6'X10'X4'
MEDIUM - 5'X7'X4'
SMALL - 3'X4'X3'

N

0 10' 20' 30' 60'
SCALE IN FEET

811 Know what's below. Call before you dig.

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. PE027177 TRICIA H. HANLEY 10/23/17

CITY OF ATLANTA DEPARTMENT OF watershed management

JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

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UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

CIVIL

BASIN AREA BOULDER PLAN

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	10/2/2017
1	REV. 1 - ISSUED FOR CONSTRUCTION	10/23/2017

PROJECT NO:	
DESIGNED BY:	MLM
DRAWN BY:	EAF
CHECKED BY:	MLM
DATE:	10-23-2017
SCALE:	

DRAWING NO.
C-125D

SHEET --OF

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Plot Date: 10/20/2017 4:23 PM Plot By: 02589 Filename: N:\LA\100%\Drawings\LA-ALL-PL-BOULDER01.dwg

PLANT LIST

SYMBOL		QUANTITY	SIZE	COMMON NAME	BOTANICAL NAME	CONDITION	COMMENTS
SHADE TREES							
	WO	2	–	WILLOW OAK 'ASCENDOR'	QUERCUS PHELLOS 'ASCENDOR'	B&B	MINIMUM SINGLE TRUNK DIAMETER 4 INCHES; MINIMUM SPREAD FIVE FEET; MINIMUM HEIGHT TEN FEET; FULL DENSE CANOPY; MATCH SELECTIONS FOR UNIFORM HEIGHT AND SPREAD
	BC	13	–	BALD CYPRESS	TAXODIUM DISTICHUM	B&B	MINIMUM SINGLE TRUNK DIAMETER 4 INCHES; MINIMUM SPREAD FIVE FEET; MINIMUM HEIGHT TEN FEET; FULL DENSE CANOPY; MATCH SELECTIONS FOR UNIFORM HEIGHT AND SPREAD
	SH	2	–	SHUMARD OAK 'PANACHE'	QUERCUS SHUMMARDII 'PANACHE'	B&B	MINIMUM SINGLE TRUNK DIAMETER 4 INCHES; MINIMUM SPREAD FIVE FEET; MINIMUM HEIGHT TEN FEET; FULL DENSE CANOPY; MATCH SELECTIONS FOR UNIFORM HEIGHT AND SPREAD
	BG	4	–	BLACKGUM	NYSSA SYLVATICA	B&B	MINIMUM SINGLE TRUNK DIAMETER 4 INCHES; MINIMUM SPREAD FIVE FEET; MINIMUM HEIGHT TEN FEET; FULL DENSE CANOPY; MATCH SELECTIONS FOR UNIFORM HEIGHT AND SPREAD
	PD	8	–	PINK DAMSEL SERVICEBERRY	AMELACHIER ARBOREA 'TIFT COUNTY'	B&B	MINIMUM SINGLE TRUNK DIAMETER 3 INCHES; MINIMUM SPREAD FIVE FEET; MINIMUM HEIGHT TEN FEET; FULL DENSE CANOPY; MATCH SELECTIONS FOR UNIFORM HEIGHT AND SPREAD
	RB	1	–	PINK POM POMS EASTERN REDBUD	CERCIS CANADENSIS 'PINK POM POMS'	B&B	MINIMUM SINGLE TRUNK DIAMETER 3 INCHES; MINIMUM SPREAD FIVE FEET; MINIMUM HEIGHT TEN FEET; FULL DENSE CANOPY; MATCH SELECTIONS FOR UNIFORM HEIGHT AND SPREAD
	RI	32	–	RIVER BIRCH 'HERITAGE'	BETULA NIGRA 'CULLY'	B&B	MINIMUM MULTI TRUNK DIAMETER 3 INCHES; MINIMUM SPREAD FIVE FEET; MINIMUM HEIGHT TWELVE FEET; FULL DENSE CANOPY; MATCH SELECTIONS FOR UNIFORM HEIGHT AND SPREAD
	OO	7	–	OVERCUP OAK 'HIGHBEAM'	QUERCUS LYRATA 'HIGHBEAM'	B&B	MINIMUM SINGLE TRUNK DIAMETER 4 INCHES; MINIMUM SPREAD FIVE FEET; MINIMUM HEIGHT TEN FEET; FULL DENSE CANOPY; MATCH SELECTIONS FOR UNIFORM HEIGHT AND SPREAD
	PT	12	–	PERSIAN PARROTIA	PARROTIA PERSICA	B&B	MINIMUM SINGLE TRUNK DIAMETER 3 INCHES; MINIMUM SPREAD FIVE FEET; MINIMUM HEIGHT TEN FEET; FULL DENSE CANOPY; MATCH SELECTIONS FOR UNIFORM HEIGHT AND SPREAD
	SG	18	–	SWEETBAY MAGNOLIA 'MOONGLOW'	MAGNOLIA VIRGINIANA 'MOONGLOW'	B&B	MINIMUM MULTI TRUNK DIAMETER 3 INCHES; MINIMUM SPREAD FIVE FEET; MINIMUM HEIGHT TEN FEET; FULL DENSE CANOPY; MATCH SELECTIONS FOR UNIFORM HEIGHT AND SPREAD
	CC	14	–	MUSCLEWOOD	CARPINUS CAROLINANA	B&B	MINIMUM SINGLE TRUNK DIAMETER 3 INCHES; MINIMUM SPREAD FIVE FEET; MINIMUM HEIGHT TEN FEET; FULL DENSE CANOPY; MATCH SELECTIONS FOR UNIFORM HEIGHT AND SPREAD
	KD	19	–	KEITH DAVEY CHINESE PISTACHE	PISTACIA CHINENIS 'KEITH DAVEY'	B&B	MINIMUM SINGLE TRUNK DIAMETER 3 INCHES; MINIMUM SPREAD FIVE FEET; MINIMUM HEIGHT TEN FEET; FULL DENSE CANOPY; MATCH SELECTIONS FOR UNIFORM HEIGHT AND SPREAD
	JM	1	–	JAPANESE MAPLE 'EMPORER'	ACER PALMATUM 'EMPORER'	B&B	MINIMUM SINGLE TRUNK DIAMETER 3 INCHES; MINIMUM SPREAD FIVE FEET; MINIMUM HEIGHT TEN FEET; FULL DENSE CANOPY; MATCH SELECTIONS FOR UNIFORM HEIGHT AND SPREAD

PLANT LIST

SYMBOL		QUANTITY	SIZE	COMMON NAME	BOTANICAL NAME	CONDITION	COMMENTS
SHRUBS AND VINES							MINIMUM SPACING
	AB	55	# 3 CLASS MINIMUM	ABELIA X GRANDIFLORA 'ROSE CREEK'	ABELIA 'ROSE CREEK'	CONTAINER	36 INCHES O.C.
	BB	26	# 3 CLASS MINIMUM	BEAUTYBERRY	CALLICARPA AMERICANA	CONTAINER	72 INCHES O.C.
	CH	380	# 3 CLASS MINIMUM	SUMMER SWEET 'HUMMINGBIRD'	CLETHRA ALNIFOLIA 'HUMMINGBIRD'	CONTAINER	12 INCHES O.C.
	HY	4	# 3 CLASS MINIMUM	OAKLEAF HYDRANGEA 'SNOWQUEEN'	HYDRANGEA QUERCIFOLIA 'SNOWQUEEN'	CONTAINER	72 INCHES O.C.
	SI	492	# 3 CLASS MINIMUM	INKBERRY 'SHAMROCK'	ILEX GLABRA 'SHAMROCK'	CONTAINER	48 INCHES O.C.
	IV	254	# 3 CLASS MINIMUM	WINTERBERRY 'RED SPRITE'	ILEX VERTICILLATAICILLATA 'RED SPRITE'	CONTAINER	48 INCHES O.C.
			# 3 CLASS MINIMUM	WINTERBERRY 'JIM DANDY'	ILEX VERTICILLATAICILLATA 'JIM DANDY'	CONTAINER	48 INCHES O.C.
	IL	2925	# 3 CLASS MINIMUM	VIRGINIA SWEETSPIRE 'LITTLE HENRY'	ITEA VIRGINICA VIRGINICA 'LITTLE HENRY'	CONTAINER	36 INCHES O.C.
	MD	8	# 3 CLASS MINIMUM	DWARF WAX MYRTLE 'DON'S DWARF'	MYRICA CERIFERA 'DON'S DWARF'	CONTAINER	60 INCHES O.C.
	VB	11	# 3 CLASS MINIMUM	VIBURNUM 'BRANDYWINE'	VIBURNUM NUDUM 'BULK'	CONTAINER	72 INCHES O.C.
	MS	429	# 3 CLASS MINIMUM	DWARF WALTERS VIBURNUM 'MRS. SCHILLERS DELIGHT'	VIBURNUM OBOVATUM 'MRS. SCHILLERS DELIGHT'	CONTAINER	48 INCHES O.C.
FORBS							MINIMUM SPACING
	BO	95	# 3 CLASS MINIMUM	BOLTONIA SNOWBANK	BOLTONIA ASTEROIDES 'SNOWBANK'	CONTAINER	36 INCHES O.C.
	JO	178	# 1 CLASS MINIMUM	JOE PYE WEED 'LITTLE JOE'	EUPATORIUM DUBIUM "LITTLE JOE'	CONTAINER	36 INCHES O.C.
	SC	180	# 1 CLASS MINIMUM	SCARLET HIBISCUS	HIBISCUS COCCINEUS	CONTAINER	36 INCHES O.C.
	IR	2547	# 3 CLASS MINIMUM	NORTHERN BLUE FLAG IRIS	IRIS VERSICOLOR	CONTAINER	24 INCHES O.C.
	PW	1872	# 3 CLASS MINIMUM	PICKERLWEED	PONTEDERIA CORDATA	CONTAINER	24 INCHES O.C.
	TD	49	# 3 CLASS MINIMUM	HARDY CANNA	THALIA DEALBATA	CONTAINER	24 INCHES O.C.
	JE	60	# 3 CLASS MINIMUM	SOFT RUSH	JUNCUS EFFUSUS	CONTAINER	24 INCHES O.C.
GRASSES, SEDGES, & RUSHES							MINIMUM SPACING
	CA	1534	# 3 CLASS MINIMUM	YELLOW FOX SEDGE	CAREX ANNECTENS	CONTAINER	24 INCHES O.C.
	CL	1134	# 3 CLASS MINIMUM	SHALLOW SEDGE	CAREX LURIDA	CONTAINER	24 INCHES O.C.
	CS	2010	# 3 CLASS MINIMUM	TUSSOCK SEDGE	CAREX STRICTA	CONTAINER	24 INCHES O.C.
	CN	2	# 3 CLASS MINIMUM	SWITCH GRASS	PANICUM 'CLOUD NINE'	CONTAINER	36 INCHES O.C.
	PS	1925	# 3 CLASS MINIMUM	SWITCHGRASS 'SHENANDOAH'	PANICUM VIRGATUM 'SHENANDOAH'	CONTAINER	36 INCHES O.C.
	IB	86	# 3 CLASS MINIMUM	LITTLE BLUESTEM 'CAROUSEL'	SCHIZACHYRIUM SCOPARIUM 'CAROUSEL'	CONTAINER	24 INCHES O.C.
	SB	222	# 3 CLASS MINIMUM	SAND CORD GRASS	SPARTINA BAKERII	CONTAINER	48 INCHES O.C.

1

Know what's below. Call before you dig.

GEORGIA REGISTERED No. PE007177 PROFESSIONAL ENGINEER TRICIA H. HANLEY 10/23/17

CITY OF ATLANTA DEPARTMENT OF watershed management
JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY
CIVIL
BASIN AREA PLANT LIST

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	10/22/2017
1	REV 1 - ISSUED FOR CONSTRUCTION	10/23/2017

PROJECT NO:
DESIGNED BY: MLM
DRAWN BY: EAF
CHECKED BY: MLM
DATE: 10-23-2017
SCALE:

DRAWING NO. C-127

SHEET OF

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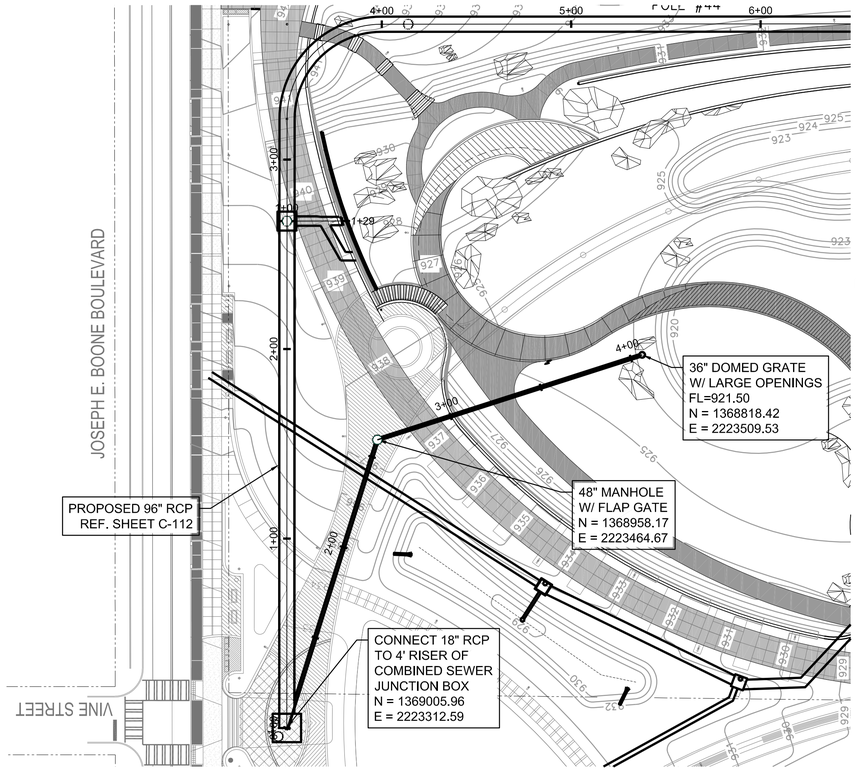
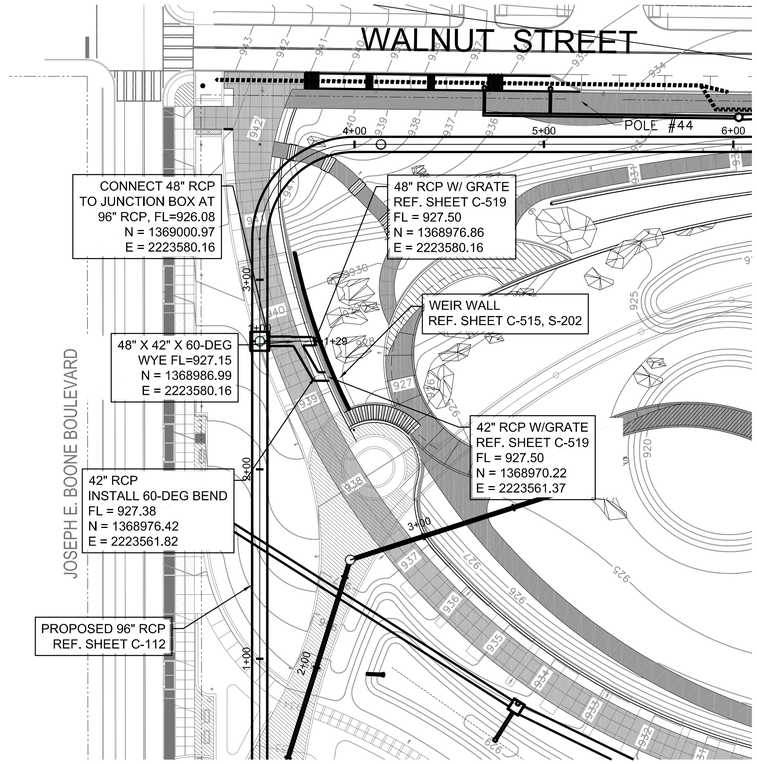


WET POND OUTFALL – 18"
PLAN

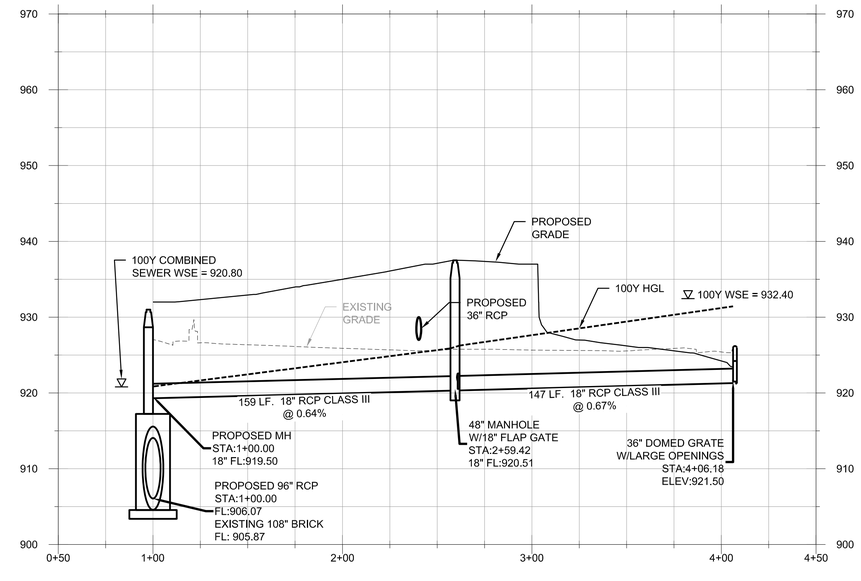
NOTES:
1. 36" DOMED GRATE W/LARGE OPENINGS SHALL BE CONTECH STORMRAX RS–36 BOLTED ON VERTICAL 36" RCP AND CONCRETE PAD, OR APPROVED EQUAL.
2. FLAP GATES SHALL BE NEENAH R–5050 SERIES OR APPROVED EQUAL.



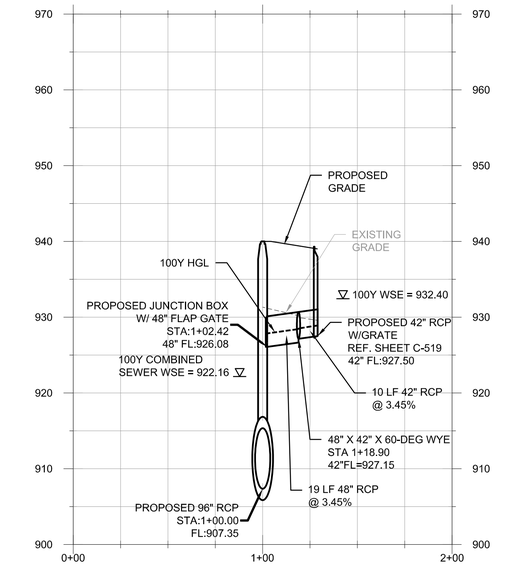
WET POND OUTFALL – OVERFLOW SPILLWAY
PLAN

LEGEND

- PROPOSED STORMDRAIN
- EXISTING STORMDRAIN
- UNDERDRAIN PIPE
- STORMWATER PLANTER



WET POND OUTFALL – 18"
PROFILE



WET POND OUTFALL – OVERFLOW SPILLWAY
PROFILE

N

0 40' 80'
HORIZONTAL

0 10' 20'
VERTICAL

GEORGIA REGISTERED PROFESSIONAL ENGINEER
No. PE037177
TRICIA H. TIGHT
10/23/2017

CITY OF ATLANTA DEPARTMENT OF watershed management
JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

POND OUTFALLS PLAN AND PROFILES

No.	Description	Date
1	REV 1 - Issued for Construction	10/23/2017

PROJECT NO: 7832-E
DESIGNED BY: BMB
DRAWN BY: NO/ARC
CHECKED BY: TTH
DATE:
SCALE:

DRAWING NO.
C-128

SHEET

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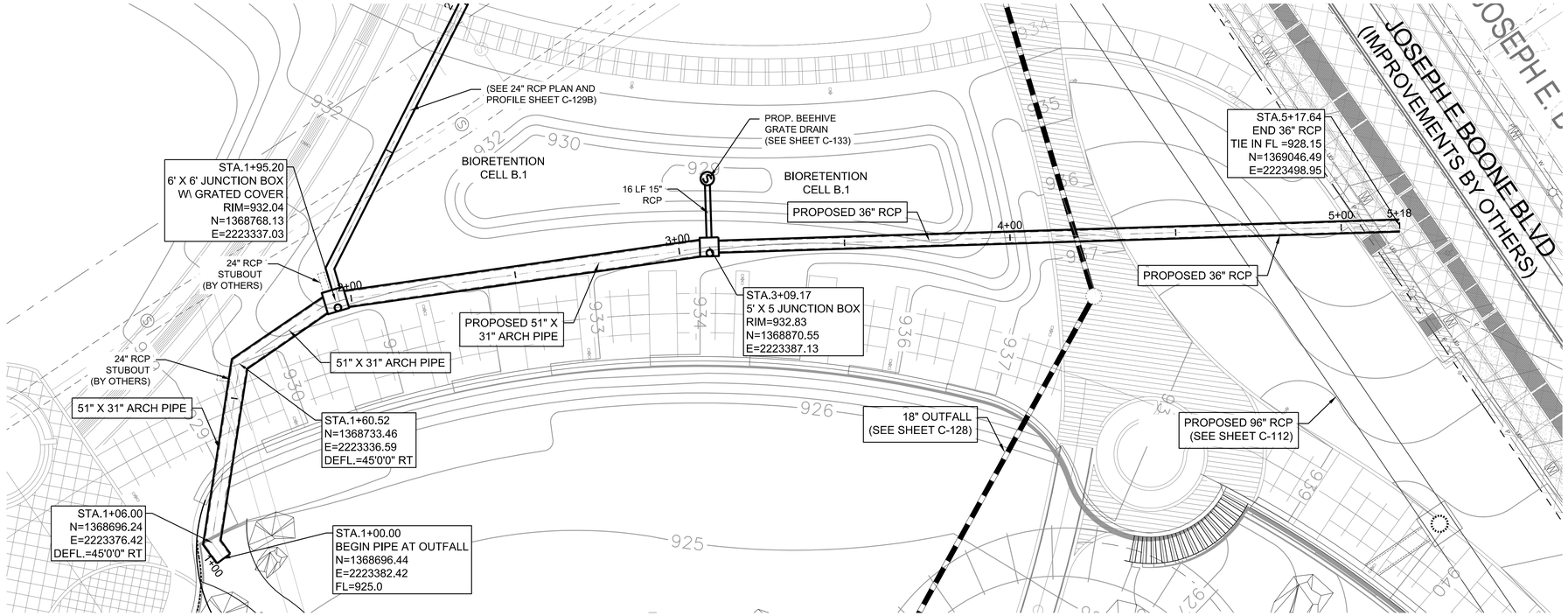
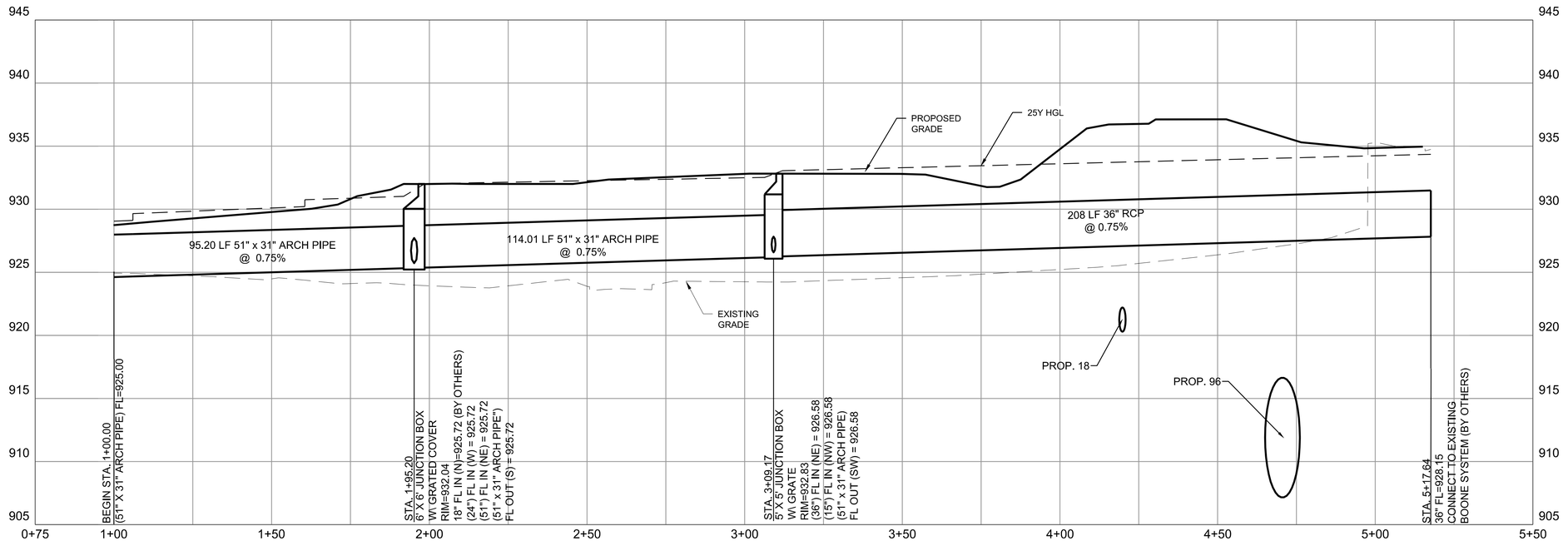


BOONE STORM SEWER (EAST) - PLAN



BOONE STORM SEWER (EAST) - PROFILE

0 20' 40'
SCALE IN FEET HORIZONTAL

0 5' 10'
SCALE IN FEET VERTICAL

GEORGIA REGISTERED No. PE027177 PROFESSIONAL ENGINEER TRICIA H. JAMES 10/23/17

CITY OF ATLANTA DEPT. OF watershed management

JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

BOONE STORM SEWER (EAST) PLAN AND PROFILE

No.	Description	Date
1	REV 1 – Issued for Construction	10/23/2017

PROJECT NO: 7832-E
DESIGNED BY: JGJ
DRAWN BY: NO/ARC
CHECKED BY: THH
DATE:
SCALE:

DRAWING NO.
C-129

SHEET

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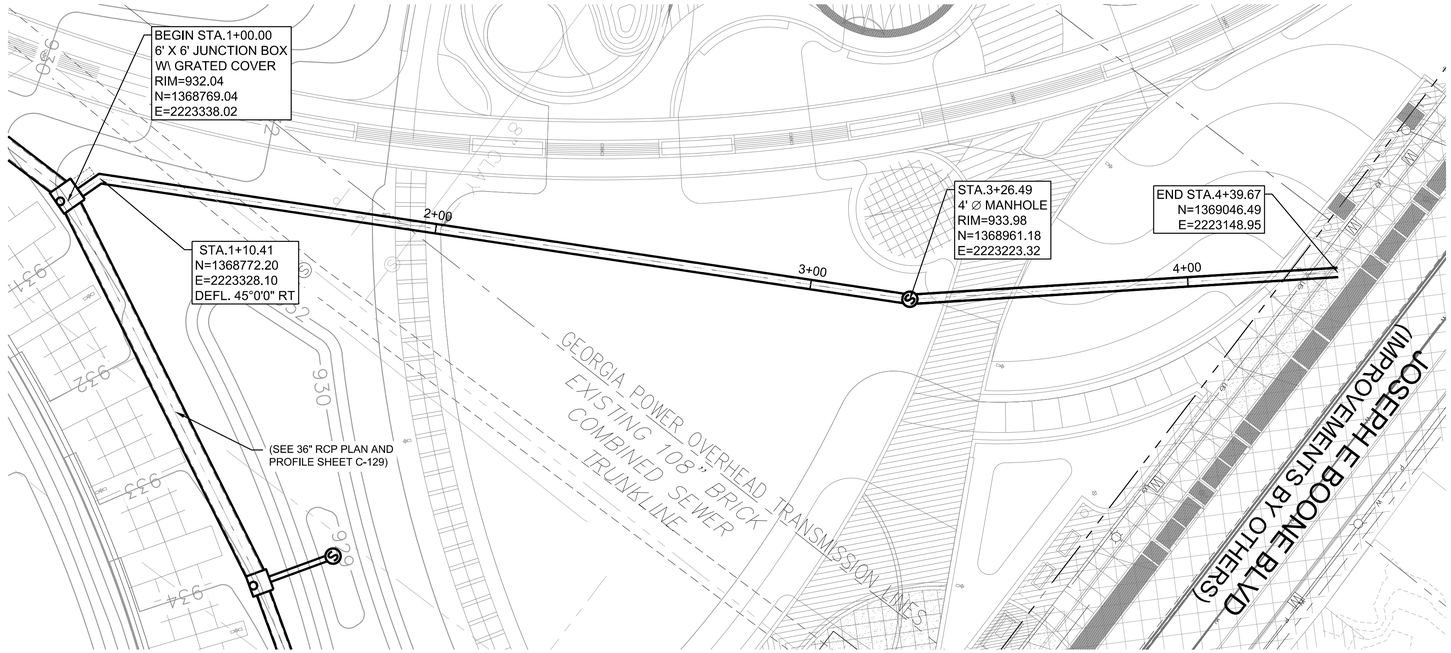
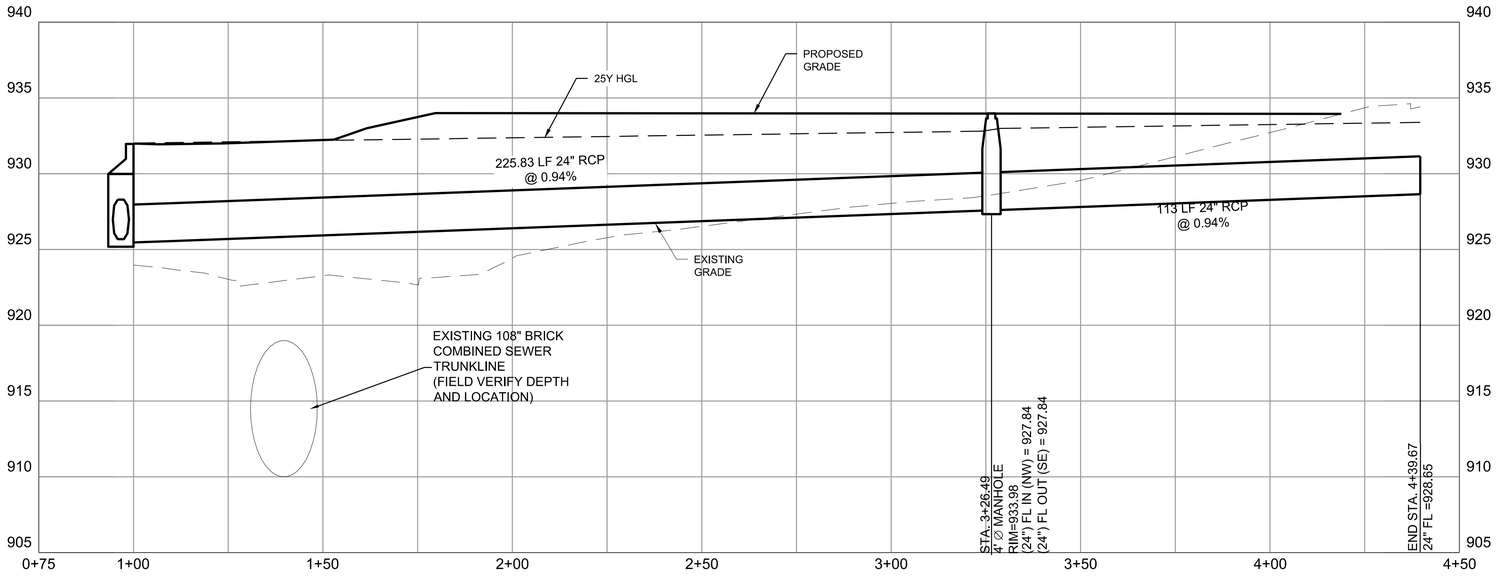


BOONE STORM SEWER (WEST) - PLAN

LEGEND

- PROPOSED STORMDRAIN
- EXISTING STORMDRAIN
- UNDERDRAIN PIPE



BOONE STORM SEWER (WEST) - PROFILE

0 20' 40'
SCALE IN FEET
HORIZONTAL

0 5' 10'
SCALE IN FEET
VERTICAL

GEORGIA REGISTERED ENGINEER No. PE027177 PROFESSIONAL TRICIA H. [illegible] 10/23/17

CITY OF ATLANTA DEPARTMENT OF watershed management

JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

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UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

BOONE STORM SEWER (WEST)
PLAN AND PROFILE

No.	Description	Date
1	REV 1 - Issued for Construction	10/23/17

PROJECT NO: 7832-E
DESIGNED BY: JGJ
DRAWN BY: NO/ARC
CHECKED BY: THH
DATE:
SCALE:

DRAWING NO.
C129B

SHEET

ACAD Rel: 20.1s (LMS Tech)
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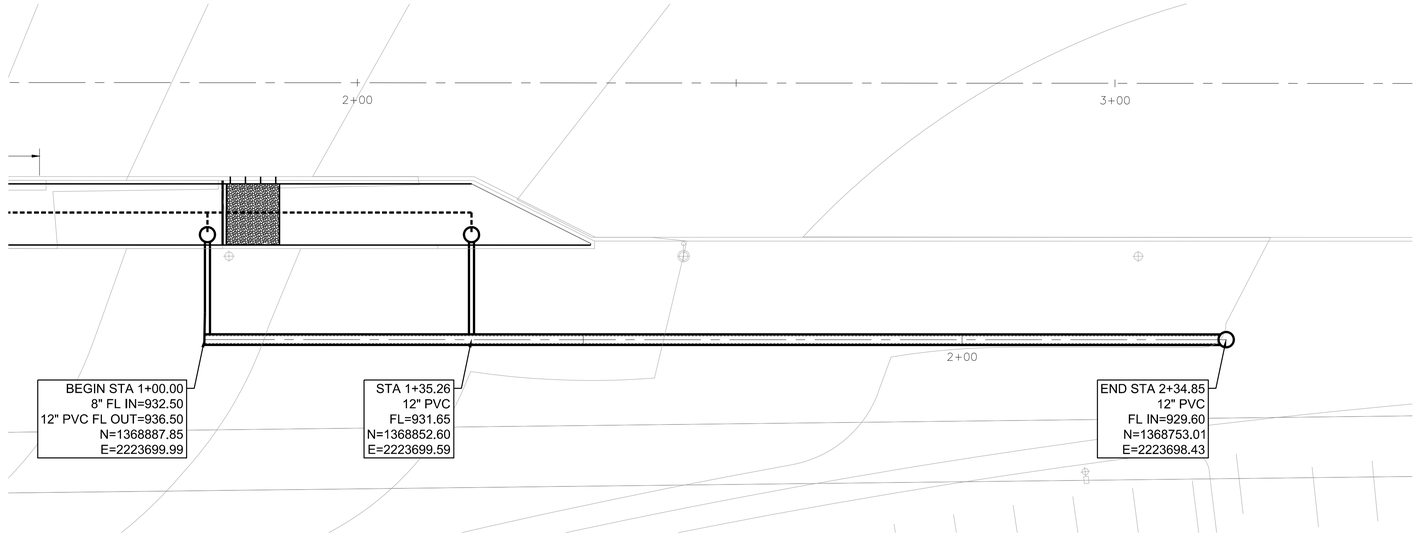
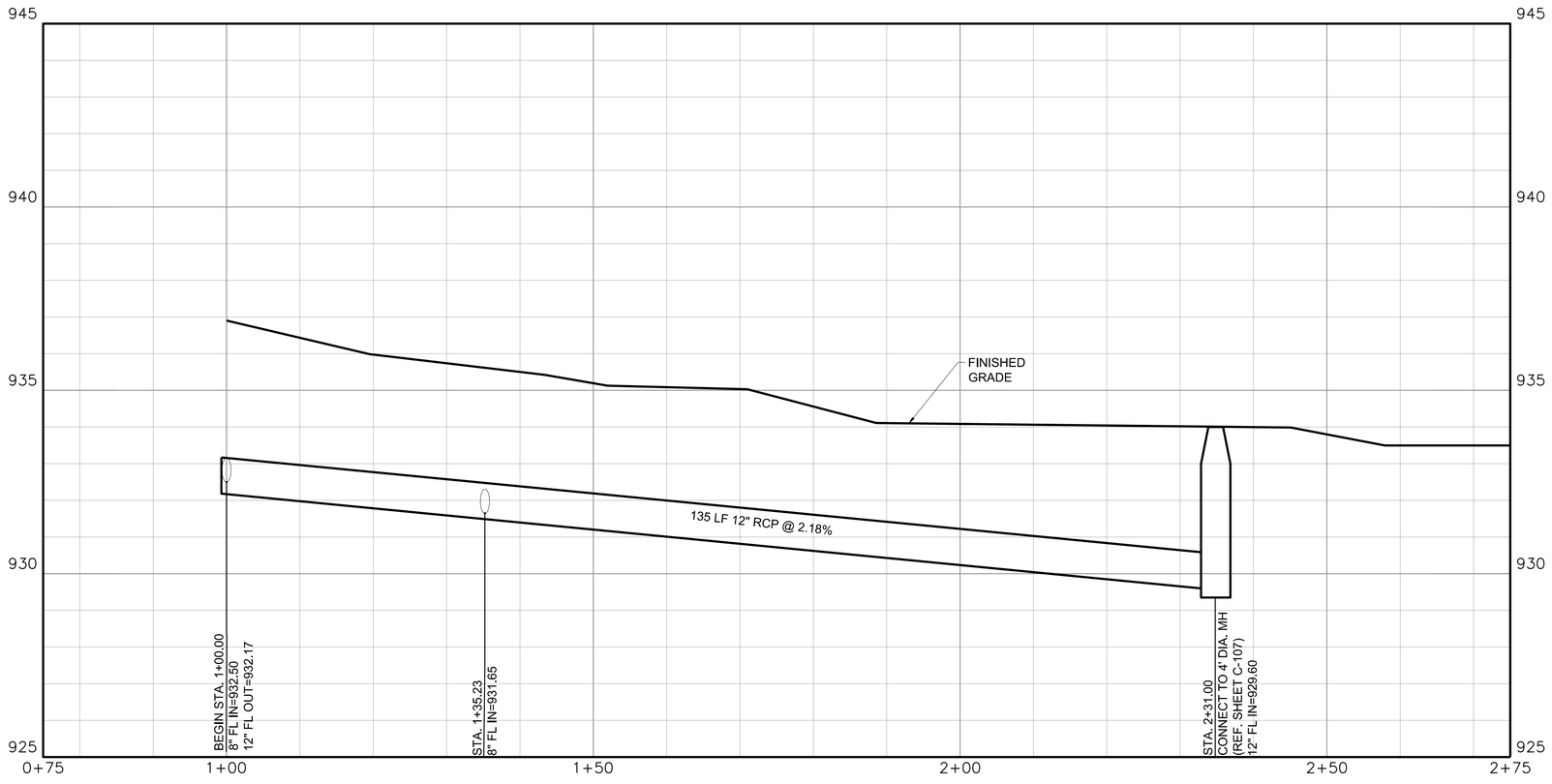


STORMWATER PLANTER P.1 OVERFLOW PIPE
PLAN



STORMWATER PLANTER P.1 OVERFLOW PIPE
PROFILE

0 10' 20'
SCALE IN FEET
HORIZONTAL

0 2' 4'
SCALE IN FEET
VERTICAL

GEORGIA REGISTERED ENGINEER TRICIA H. WHITLEY No. PE027177 PROFESSIONAL 10/4/17

CITY OF ATLANTA DEPARTMENT OF watershed management

JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

WALNUT STREET PLANTER P.1 OVERFLOW PIPE PLAN AND PROFILE

No.	Description	Date

PROJECT NO: 7832-E
DESIGNED BY: WEH
DRAWN BY: NO/ARC
CHECKED BY: THH
DATE:
SCALE:

DRAWING NO.
C-130B

SHEET

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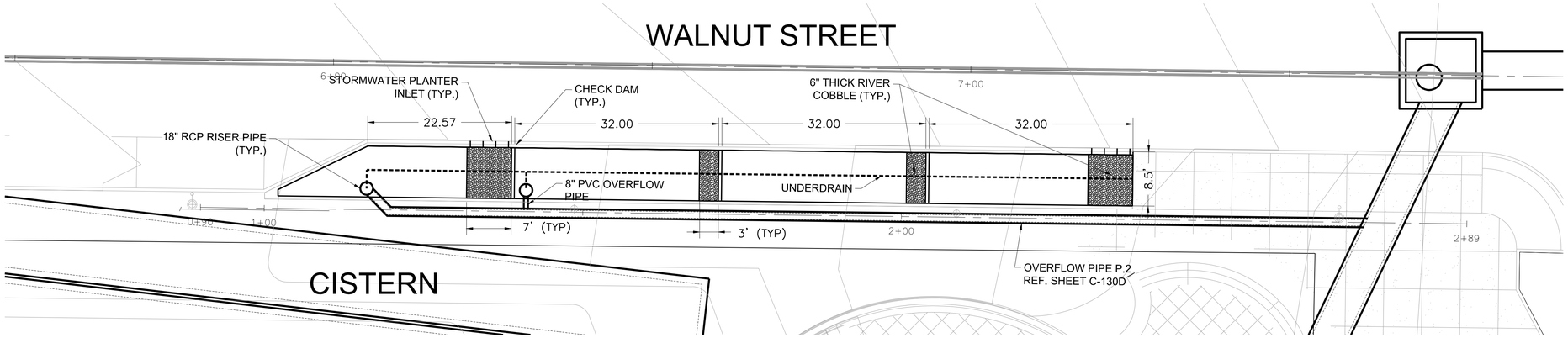
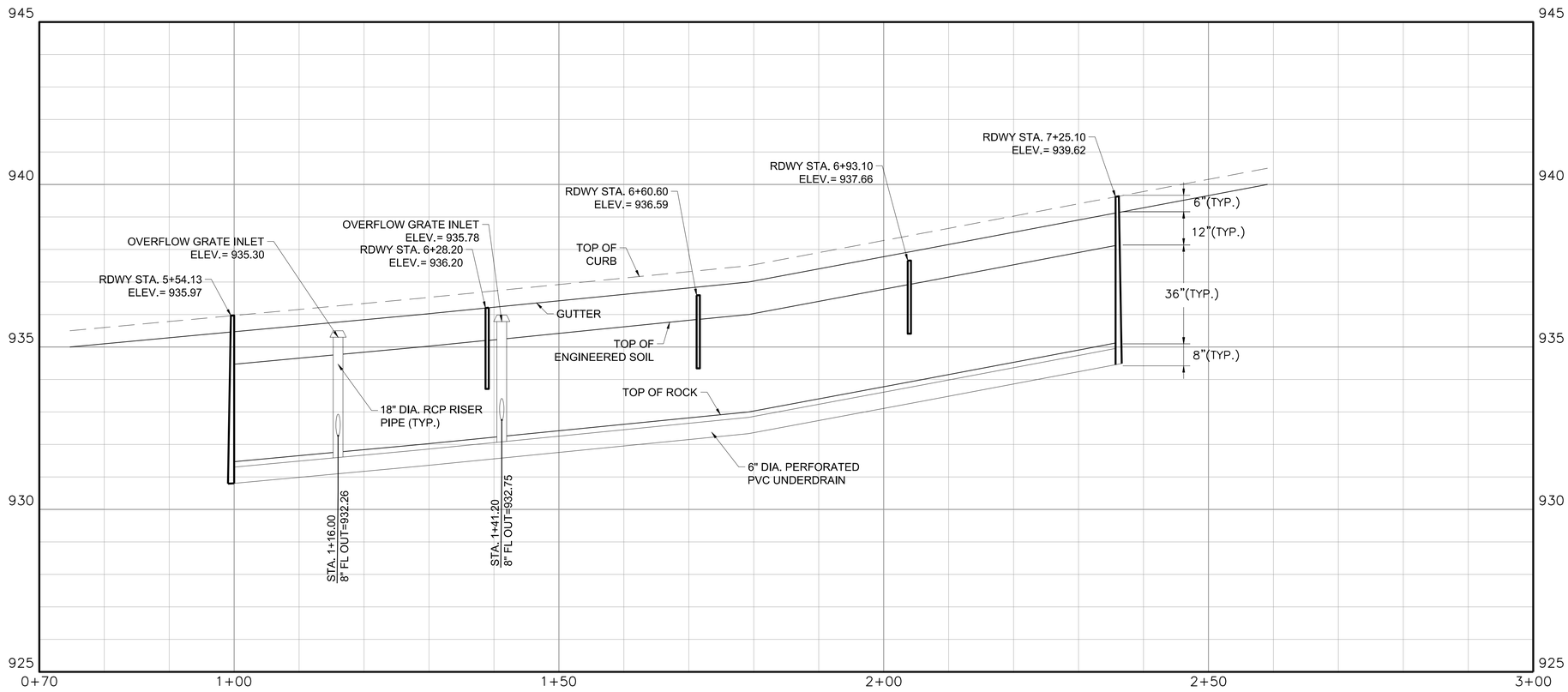


STORMWATER PLANTER P.2
PLAN



STORMWATER PLANTER P.2
PROFILE

NOTE:

1. REFERENCE SHEET C-516 FOR STORMWATER PLANTER DETAILS.
2. OVERFLOW GRATE SHALL BE NEENAH R-4360-B GRATE BOLTED TO 18" RISER PIPE, OR APPROVED EQUAL.

0 10' 20'
SCALE IN FEET
HORIZONTAL

0 2' 4'
SCALE IN FEET
VERTICAL

GEORGIA REGISTERED ENGINEER No. PE027177 PROFESSIONAL TRICIA H. WHITLEY 10/4/17

CITY OF ATLANTA DEPARTMENT OF watershed management
JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

WALNUT STREET PLANTER P.2 PLAN AND PROFILE

No.	Description	Date

PROJECT NO: 7832-E
DESIGNED BY: WEH
DRAWN BY: NO/ARC
CHECKED BY: THH
DATE:
SCALE:

DRAWING NO.
C-130C

SHEET

ACAD Rel: 20.0s (LMS Tech)
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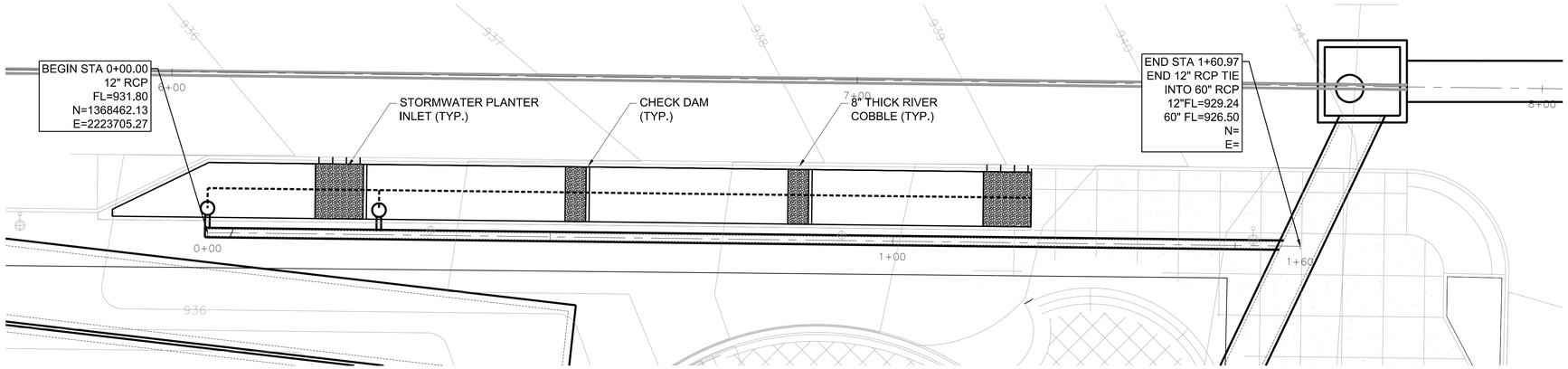
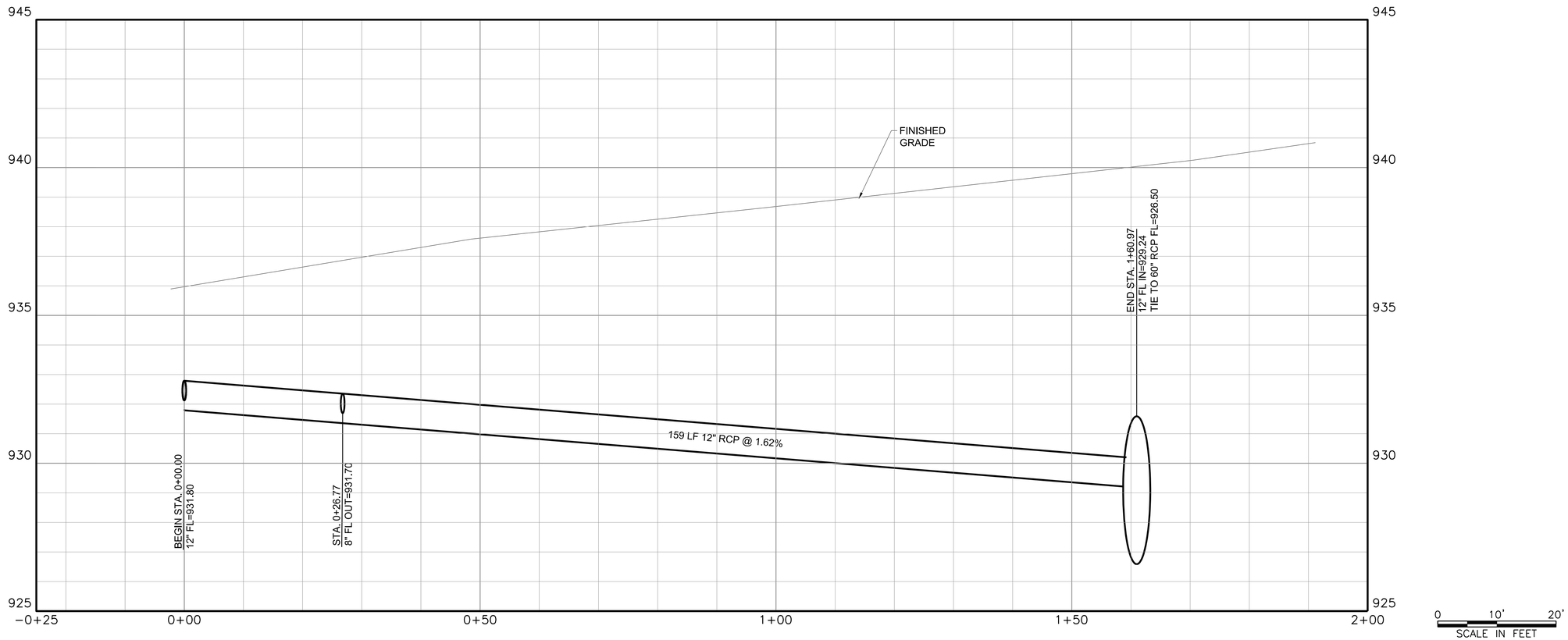


STORMWATER PLANTER P.2 OVERFLOW PIPE PLAN



STORMWATER PLANTER P.2 OVERFLOW PIPE PROFILE

0 10' 20'
SCALE IN FEET
HORIZONTAL

0 2' 4'
SCALE IN FEET
VERTICAL

GEORGIA REGISTERED No. PE027177 PROFESSIONAL ENGINEER TRICIA H. SMITH 10/4/17

CITY OF ATLANTA DEPARTMENT OF watershed management

JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

WALNUT STREET PLANTER P.2 OVERFLOW PIPE PLAN AND PROFILE

No.	Description	Date

PROJECT NO: 7832-E
DESIGNED BY: WEH
DRAWN BY: NO/ARC
CHECKED BY: THH
DATE:
SCALE:

DRAWING NO.
C-130D

SHEET

ACAD Rel: 20.0s (LMS Tech)
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Last Saved: 10/3/2017 5:02 PM Saved By: 02641

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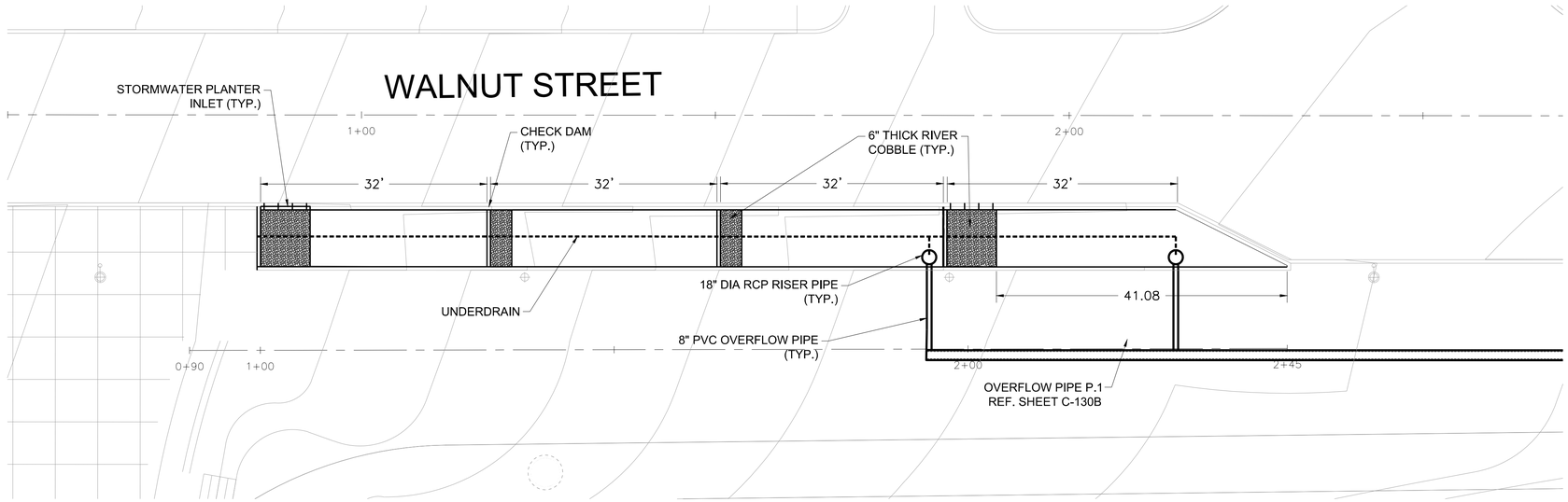
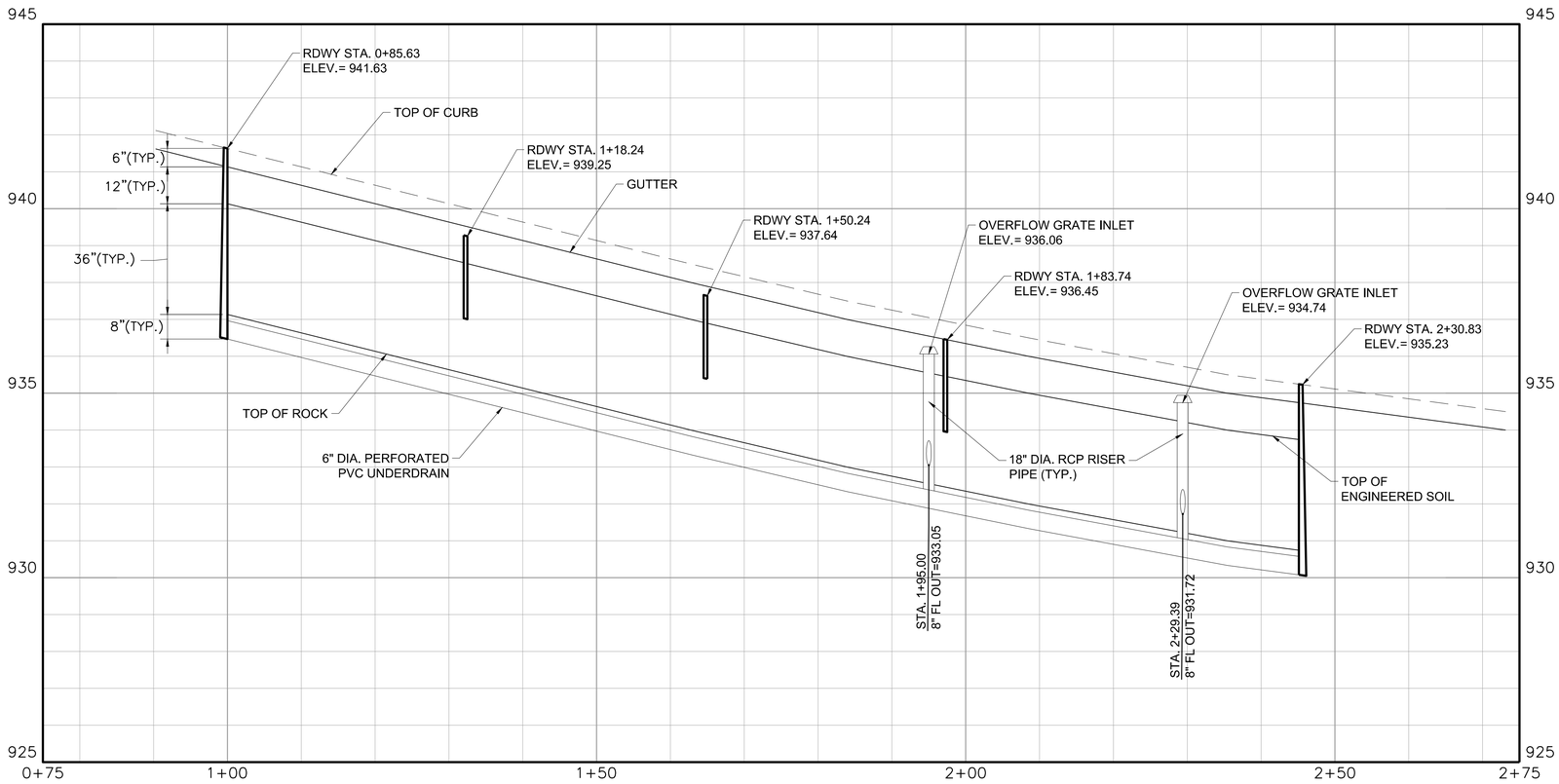


STORMWATER PLANTER P.1 PLAN



STORMWATER PLANTER P.1 PROFILE

NOTES:

1. REFERENCE SHEET C-516 FOR STORMWATER PLANTER DETAILS.
2. OVERFLOW GRATE SHALL BE NEENAH R-4360-B GRATE BOLTED TO 18" RISER PIPE, OR APPROVED EQUAL.

0 10' 20'
SCALE IN FEET
HORIZONTAL

0 2' 4'
SCALE IN FEET
VERTICAL

GEORGIA REGISTERED ENGINEER No. PE027177 PROFESSIONAL TRICIA H. WHITLEY 10/4/17

CITY OF ATLANTA DEPARTMENT OF watershed management
JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

WALNUT STREET PLANTER P.1 PLAN AND PROFILE

No.	Description	Date

PROJECT NO: 7832-E
DESIGNED BY: WEH
DRAWN BY: NO/ARC
CHECKED BY: THH
DATE:
SCALE:

DRAWING NO.
C-130

SHEET

ACAD Rel: 20.0s (LMS Tech)
Filename: N:\IF\Drawings\CV-JP2-PP-PLNTR01.dwg
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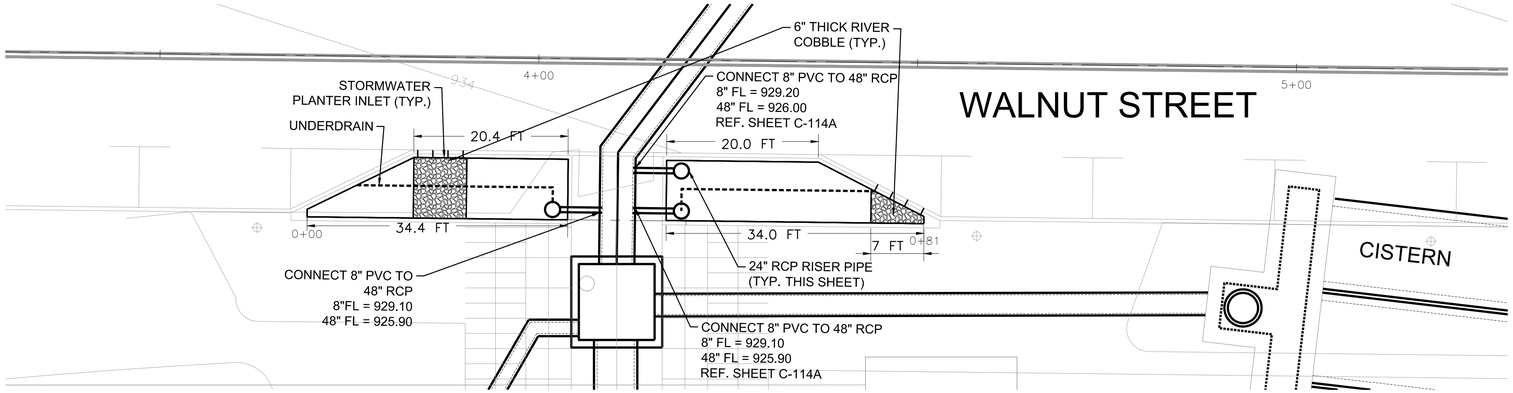
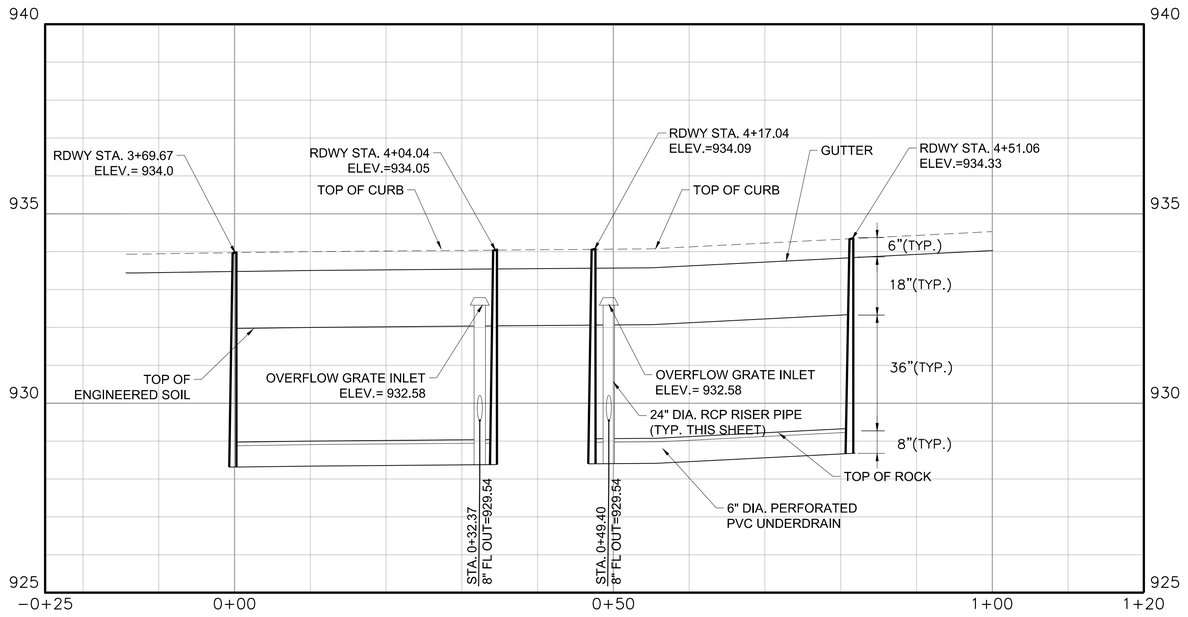


STORMWATER PLANTER P.3
PLAN

NOTE:

1. REFERENCE SHEET C-516 FOR STORMWATER PLANTER DETAILS.
2. OVERFLOW GRATE SHALL BE NEENAH R-4353 GRATE BOLTED TO 24" RISER PIPE, OR APPROVED EQUAL



STORMWATER PLANTER P.3
PROFILE

0 10' 20'
SCALE IN FEET
HORIZONTAL

0 2' 4'
SCALE IN FEET
VERTICAL

GEORGIA REGISTERED No. PE027177 PROFESSIONAL ENGINEER TRICIA H. THIGPEN 10/4/17

CITY OF ATLANTA DEPARTMENT OF watershed management
JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

WALNUT STREET PLANTER P.3
PLAN AND PROFILE

No.	Description	Date

PROJECT NO: 7832-E
DESIGNED BY: WEH
DRAWN BY: NO/ARC
CHECKED BY: THH
DATE:
SCALE:

DRAWING NO.
C-131

SHEET

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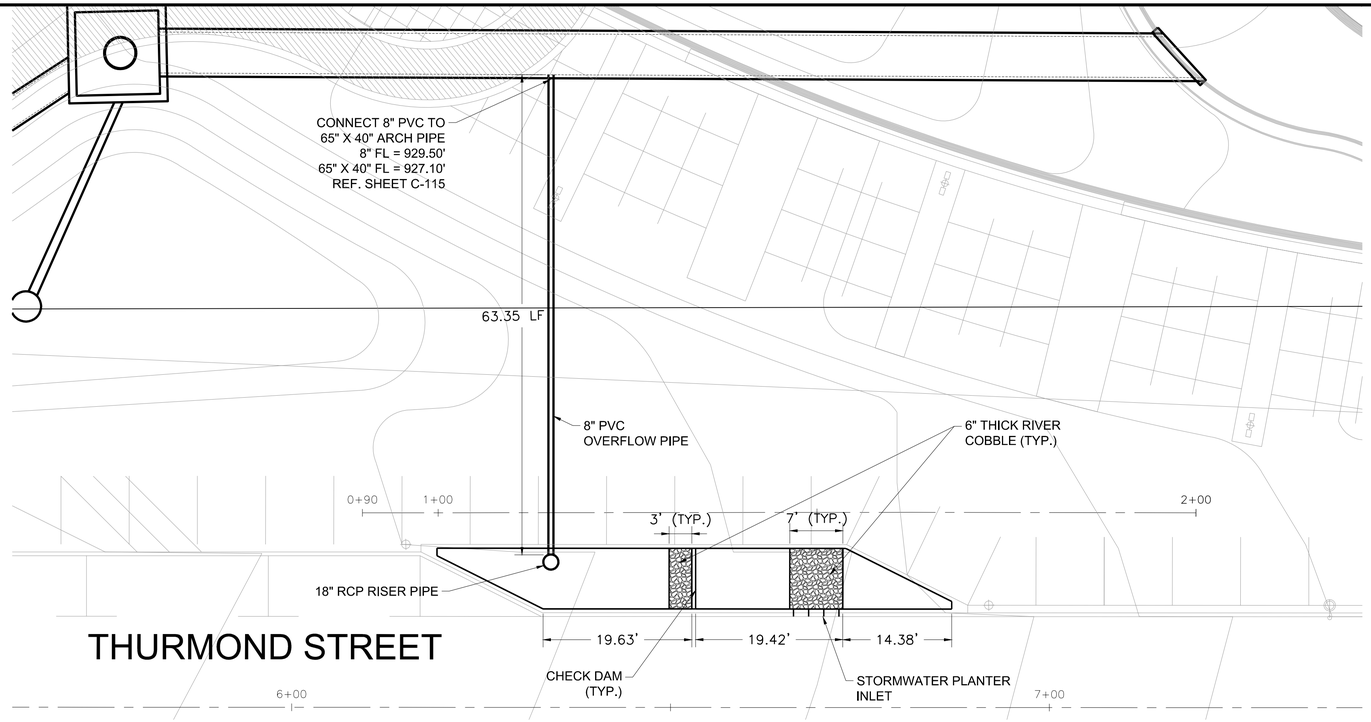
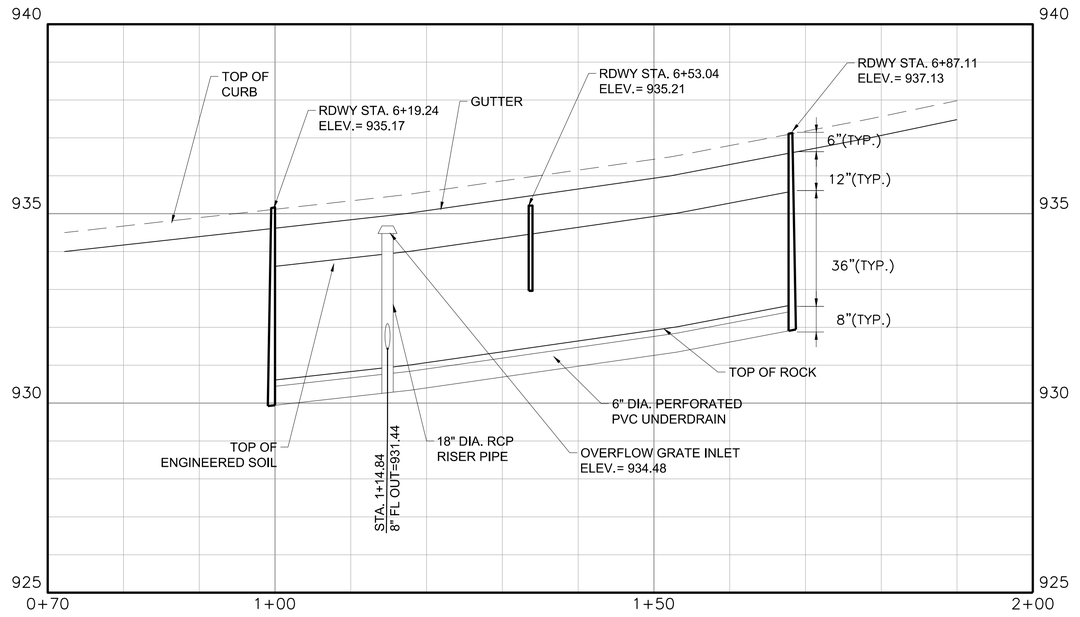


STORMWATER PLANTER P.4
PLAN



STORMWATER PLANTER P.4
PROFILE

NOTE:

1. REFERENCE SHEET C-516 FOR STORMWATER PLANTER DETAILS.

2. OVERFLOW GRATE SHALL BE NEENNAH R-4360-B GRATE BOLTED TO 18" RISER PIPE, OR APPROVED EQUAL.

0 10' 20'
SCALE IN FEET
HORIZONTAL

0 2' 4'
SCALE IN FEET
VERTICAL

GEORGIA REGISTERED
No. PE027777
PROFESSIONAL
ENGINEER
TRICIA H. HALL
10/4/17

CITY OF ATLANTA DEPARTMENT OF watershed management
JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

THURMOND STREET PLANTER P.4 PLAN AND PROFILE

No.	Description	Date

PROJECT NO: 7832-E
DESIGNED BY: WEH
DRAWN BY: NO/ARC
CHECKED BY: THH
DATE:
SCALE:

DRAWING NO.
C-132

SHEET

ACAD Rel: 20.0s (LMS Tech)
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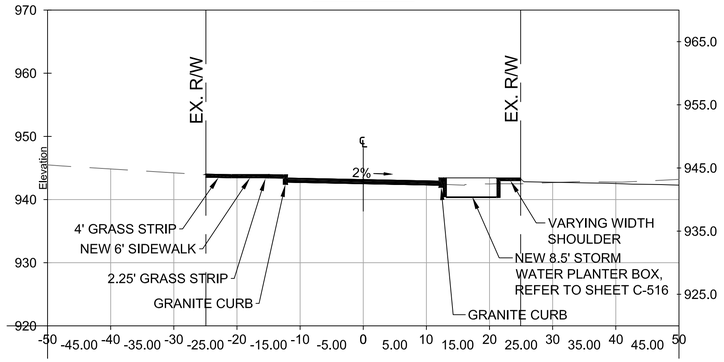
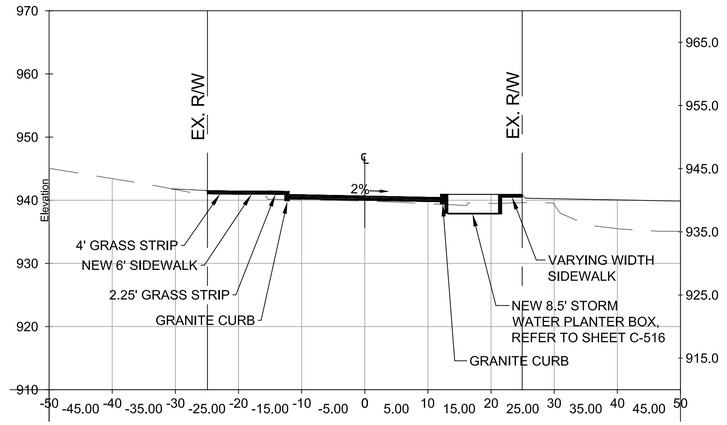


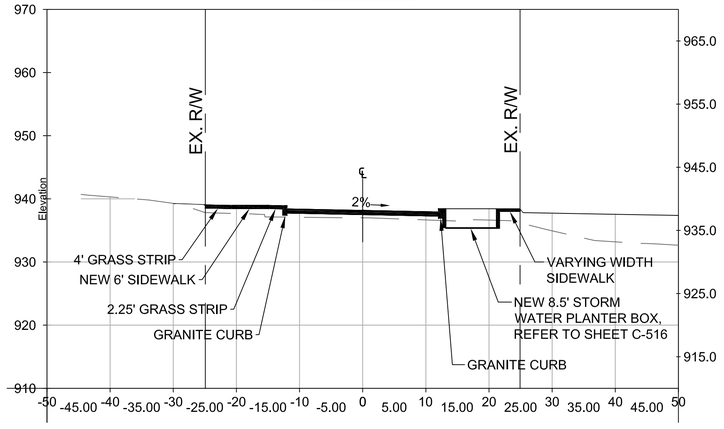
1 C-301 SECTION
SCALE: 1" = 10 FEET

1+00.00



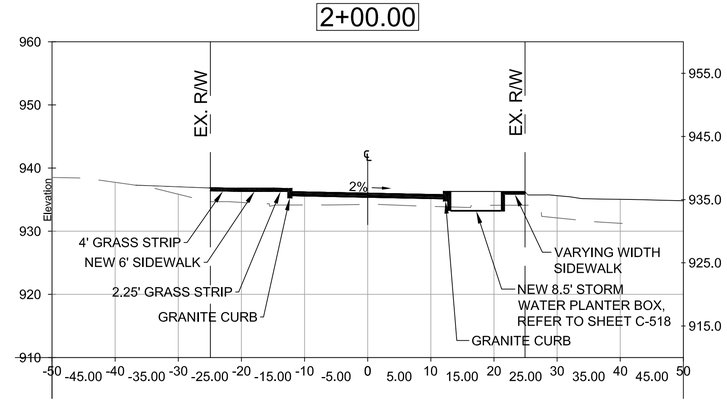
2 C-301 SECTION
SCALE: 1" = 10 FEET

1+50.00



3 C-301 SECTION
SCALE: 1" = 10 FEET

2+00.00



4 C-301 SECTION
SCALE: 1" = 10 FEET

Know what's below. Call before you dig.

GEORGIA REGISTERED No. PE16710 PROFESSIONAL ENGINEER Susan U. Major
CITY OF ATLANTA DEPARTMENT OF watershed management
JP2 5887 Glenridge Drive Suite 300 Atlanta, GA. 30328 Phone: 404.979.3300 Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

CIVIL
WALNUT STREET
PAVING SECTIONS

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	9/25/2017
1	ISSUED FOR CONSTRUCTION	10/6/2017

PROJECT NO:	4906-E
DESIGNED BY:	GWM
DRAWN BY:	NAP
CHECKED BY:	BS
DATE:	9-25-2017
SCALE:	NOTED

DRAWING NO. C-301

SHEET OF

ACAD Rel: 19.1s (LMS Tech)
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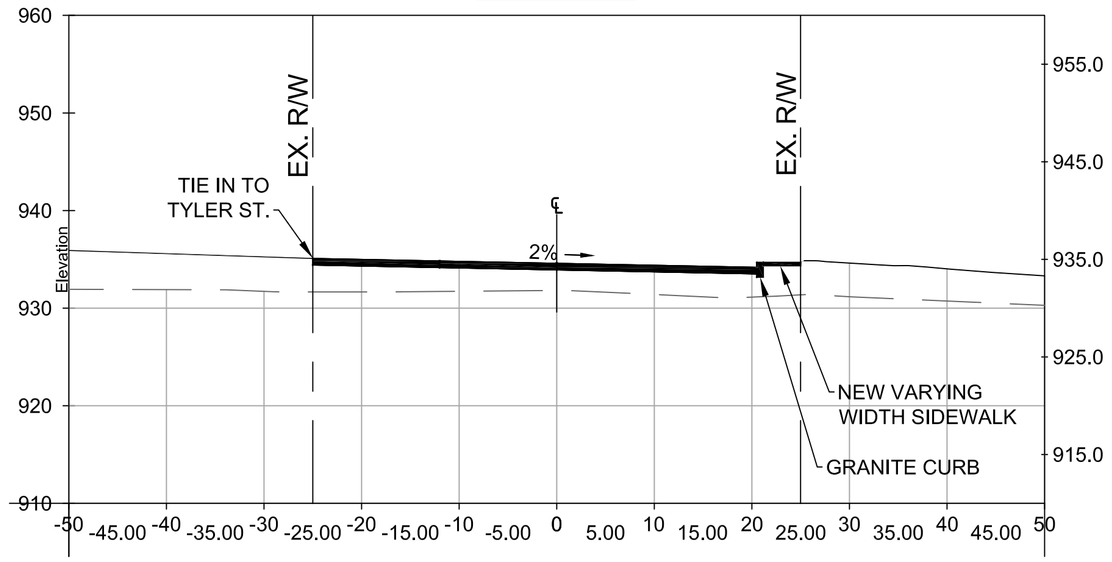

1 / C-302 SECTION
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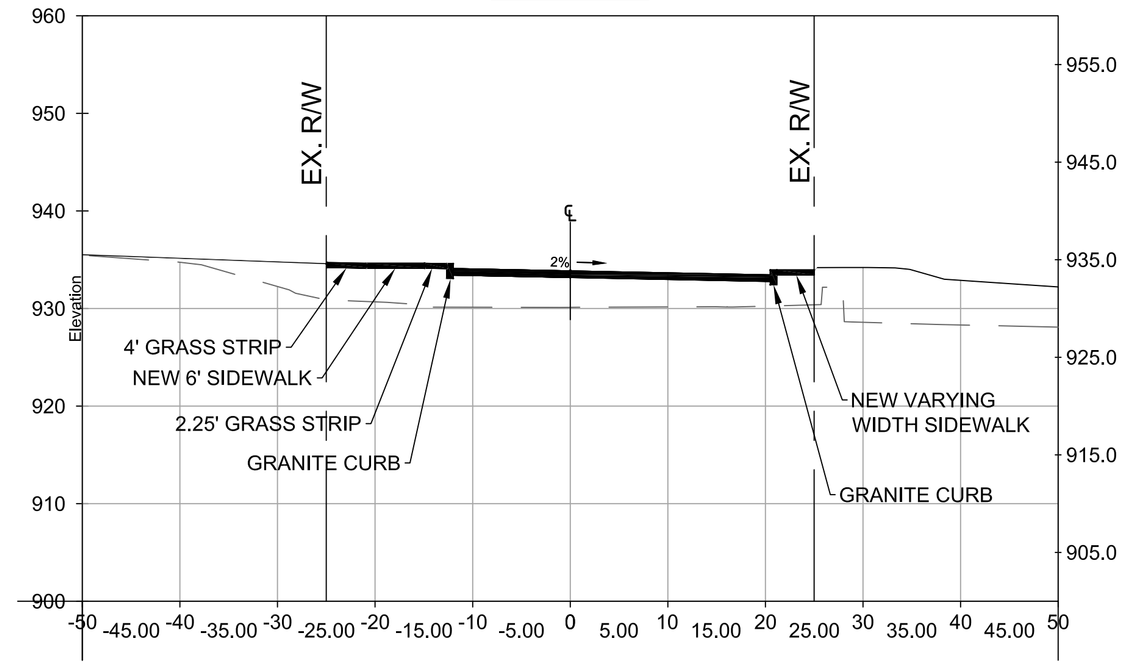
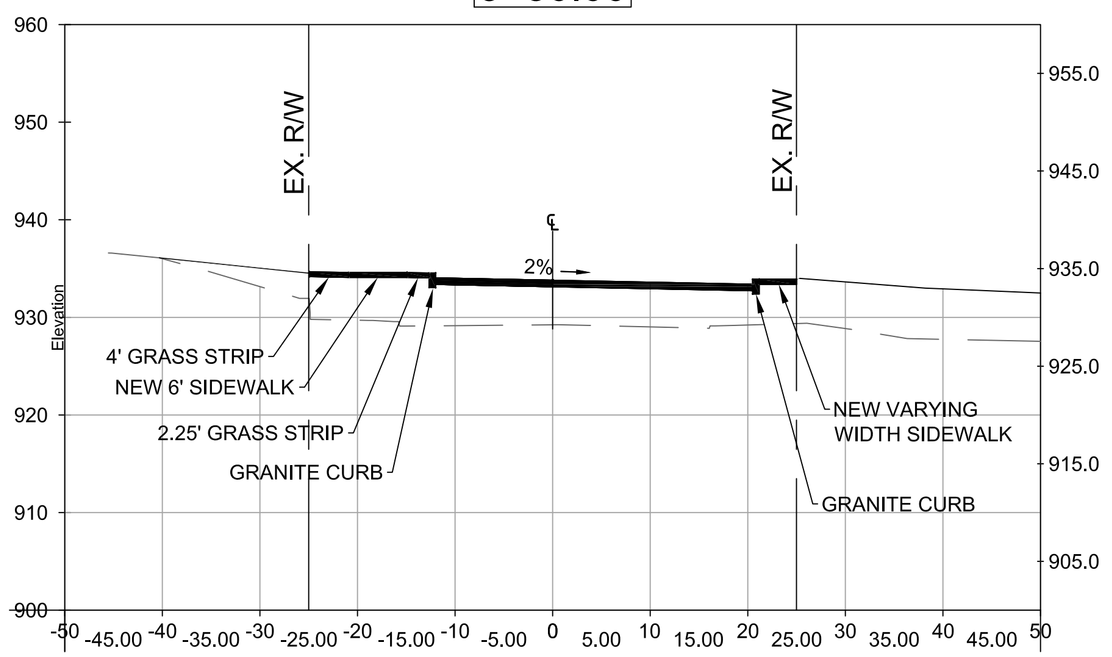


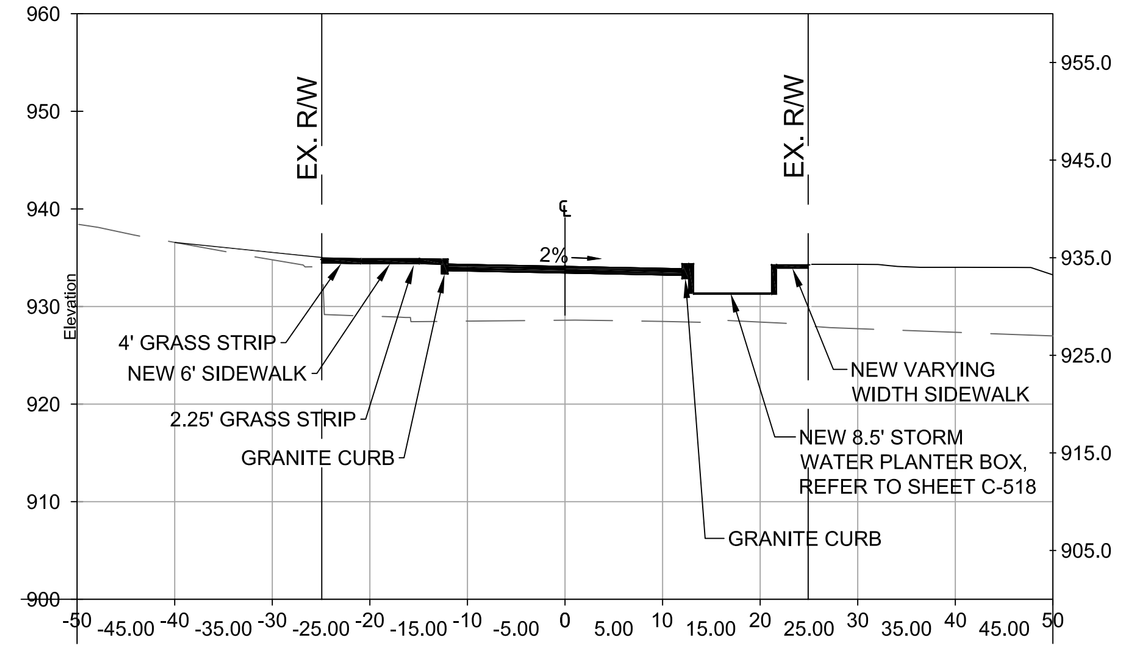
2 / C-302 SECTION
SCALE: 1" = 10 FEET

3+50.00



3 / C-302 SECTION
SCALE: 1" = 10 FEET

4+00.00



4 / C-302 SECTION
SCALE: 1" = 10 FEET

Know what's below. Call before you dig.

CITY OF ATLANTA DEPARTMENT OF watershed management
JP2
5587 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

CIVIL
WALNUT STREET
PAVING SECTIONS

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	9/25/2017
1	ISSUED FOR CONSTRUCTION	10/6/2017

PROJECT NO:	4906-E
DESIGNED BY:	GWM
DRAWN BY:	NAP
CHECKED BY:	BS
DATE:	9-25-2017
SCALE:	NOTED

DRAWING NO.
C-302

SHEET OF

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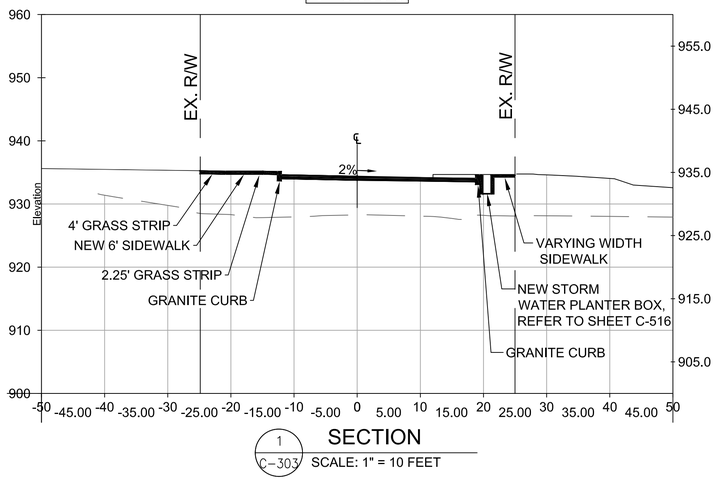
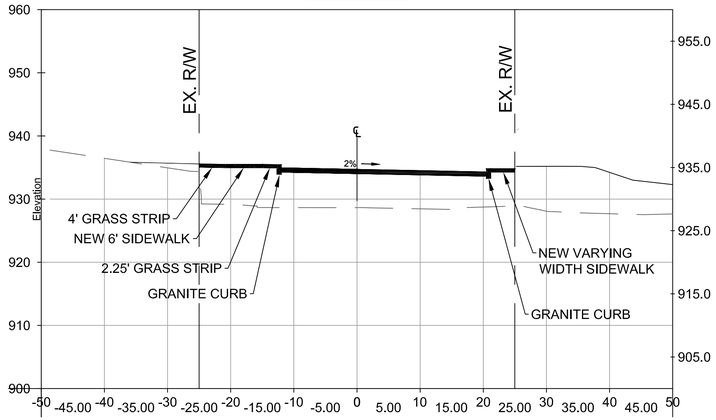
4+50.00



1 / C-303 SECTION
SCALE: 1" = 10 FEET

5+00.00



2 / C-303 SECTION
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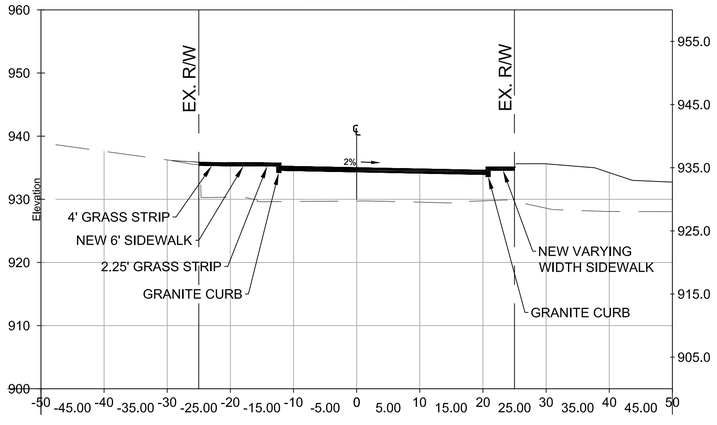
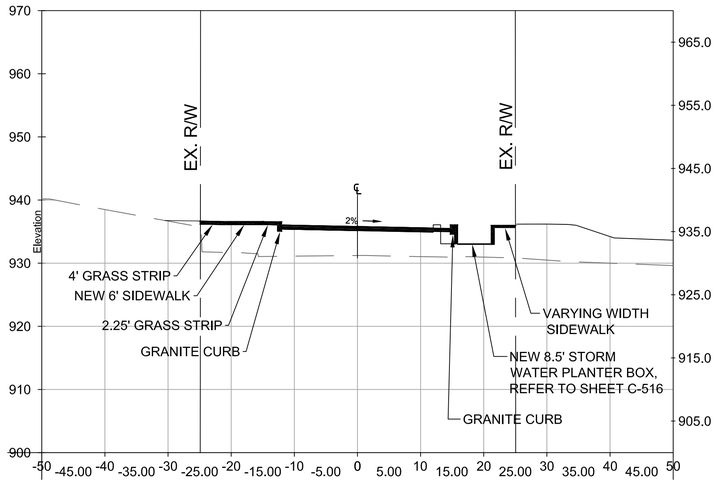
5+50.00



3 / C-303 SECTION
SCALE: 1" = 10 FEET

6+00.00



4 / C-303 SECTION
SCALE: 1" = 10 FEET

Know what's below. Call before you dig.

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

CIVIL
WALNUT STREET
PAVING SECTIONS

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	9/25/2017
1	ISSUED FOR CONSTRUCTION	10/6/2017

PROJECT NO: 4906-E
DESIGNED BY: GWM
DRAWN BY: NAP
CHECKED BY: BS
DATE: 9-25-2017
SCALE: NOTED

DRAWING NO.
C-303

SHEET OF

JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

ACAD Rel: 19.1s (LMS Tech)
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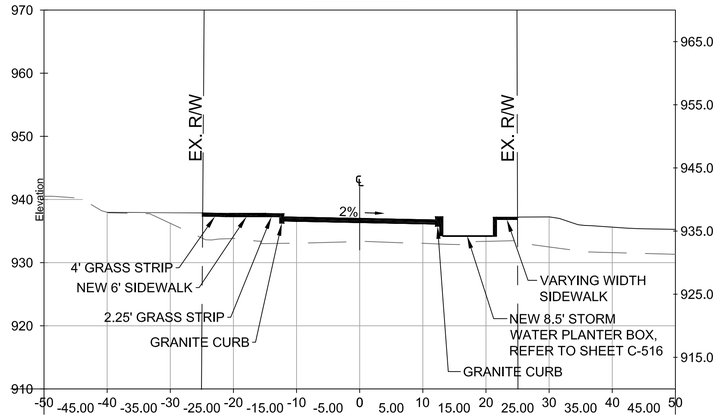
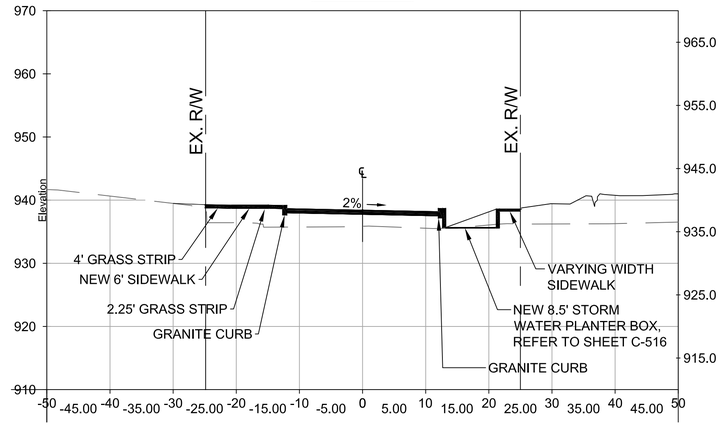
6+50.00



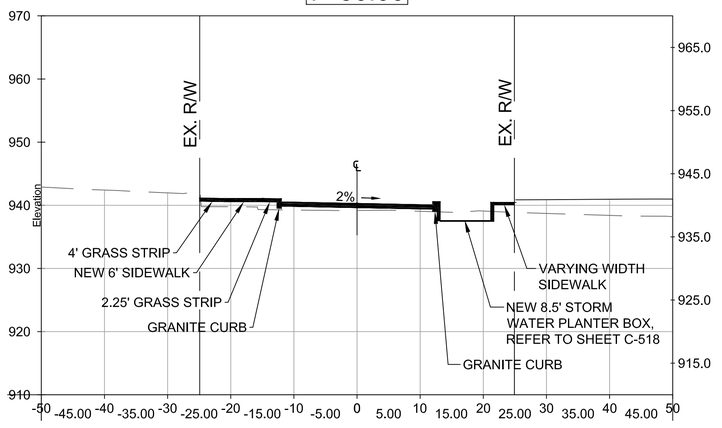
1 / C-304 SECTION
SCALE: 1" = 10 FEET

7+00.00



2 / C-304 SECTION
SCALE: 1" = 10 FEET

7+50.00



3 / C-304 SECTION
SCALE: 1" = 10 FEET

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT

UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT

RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

CIVIL

WALNUT STREET

PAVING SECTIONS

JP2
5867 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	9/25/2017
1	ISSUED FOR CONSTRUCTION	10/6/2017

PROJECT NO:	4906-E
DESIGNED BY:	GWM
DRAWN BY:	NAP
CHECKED BY:	BS
DATE:	9-25-2017
SCALE:	NOTED

DRAWING NO.
C-304

SHEET OF

Know what's below. Call before you dig.

ACAD Rel: 19.1s (LMS Tech)
Filename: X:\73_PW\T-2\X__PROPOSED_ROADWAY SECTIONS.dwg
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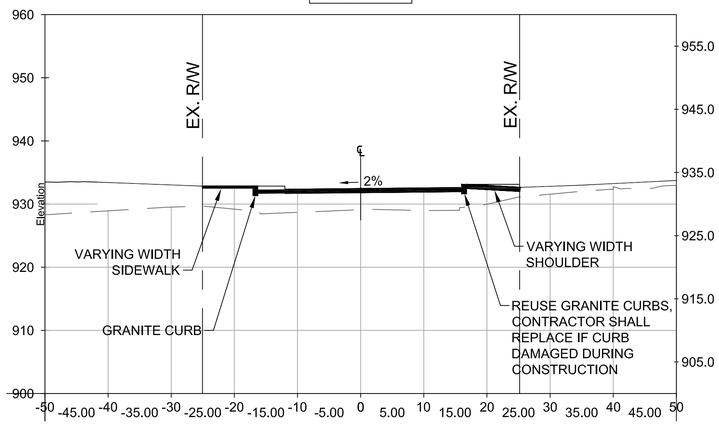
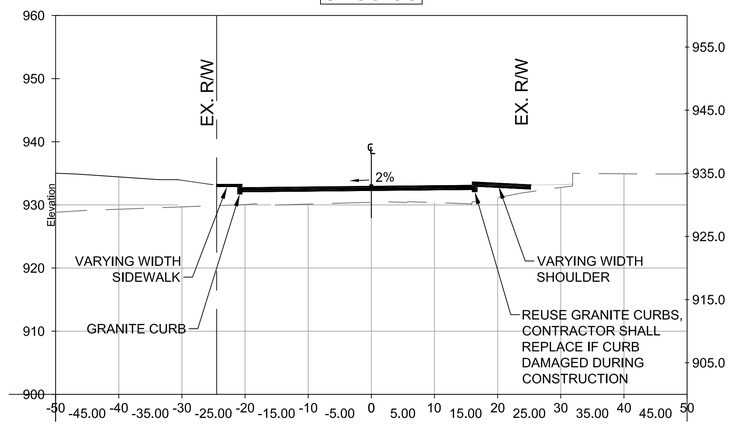
4+50.00



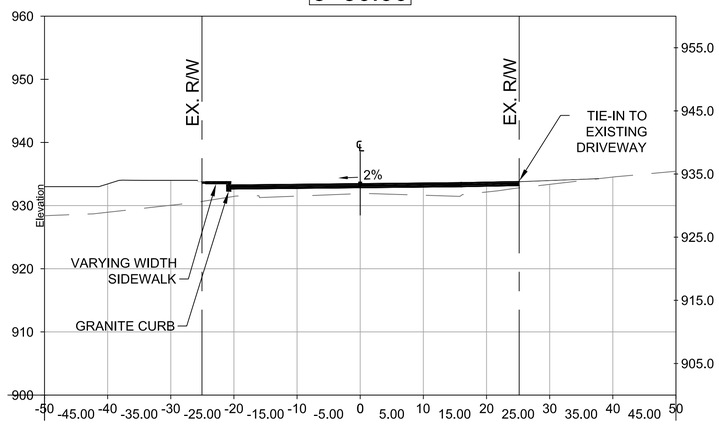
1 C-305 **SECTION**
SCALE: 1" = 10 FEET

5+00.00



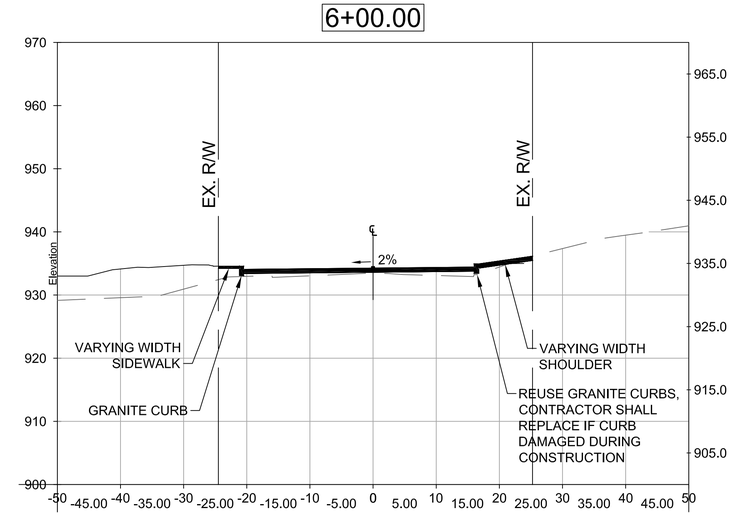
2 C-305 **SECTION**
SCALE: 1" = 10 FEET

5+50.00



3 C-305 **SECTION**
SCALE: 1" = 10 FEET

6+00.00



4 C-305 **SECTION**
SCALE: 1" = 10 FEET

Know what's **below.** **Call** before you dig.

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
JP2
5687 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

CIVIL
THURMOND STREET
PAVING SECTIONS

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	9/25/2017
1	ISSUED FOR CONSTRUCTION	10/6/2017

PROJECT NO:	7383-E
DESIGNED BY:	SM
DRAWN BY:	NAP
CHECKED BY:	BS
DATE:	9-25-2017
SCALE:	NOTED

DRAWING NO.
C-305

SHEET OF

ACAD Rel: 19.1s (LMS Tech)
Filename: X:\73_PW\T-2\X__PROPOSED_ROADWAY SECTIONS.dwg
Last Saved: 10/20/2017 4:21 PM Saved By: SMajor

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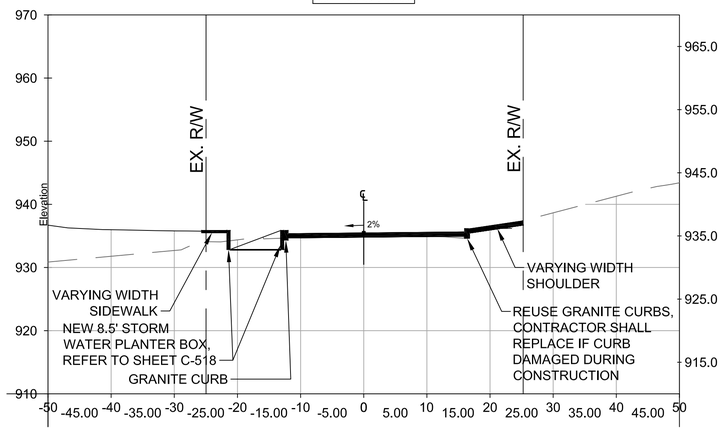
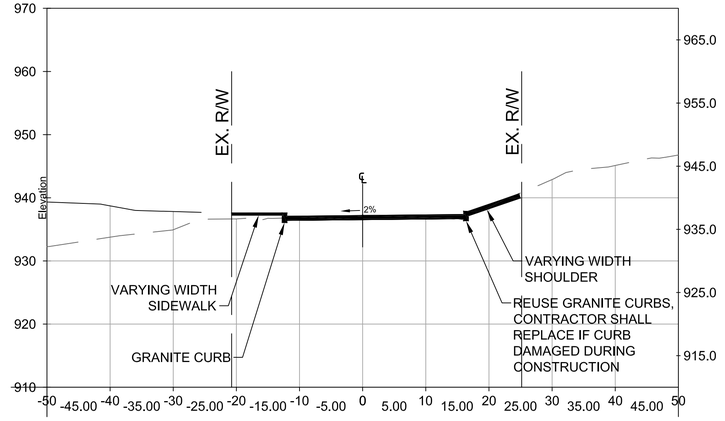
6+50.00



1 C-306 SECTION
SCALE: 1" = 10 FEET

7+00.00



2 C-306 SECTION
SCALE: 1" = 10 FEET

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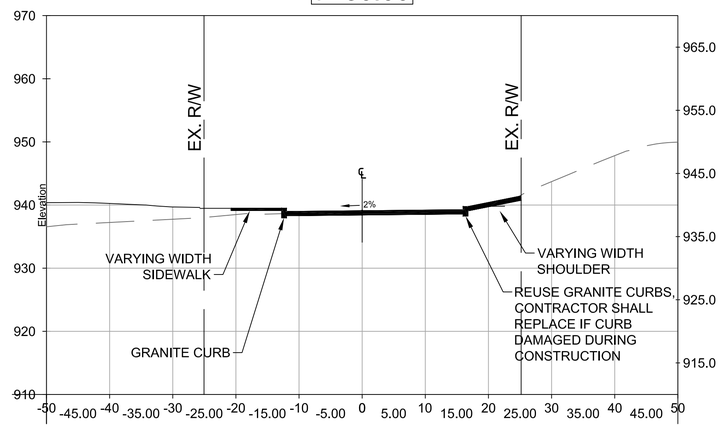

3 C-306 SECTION
SCALE: 1" = 10 FEET

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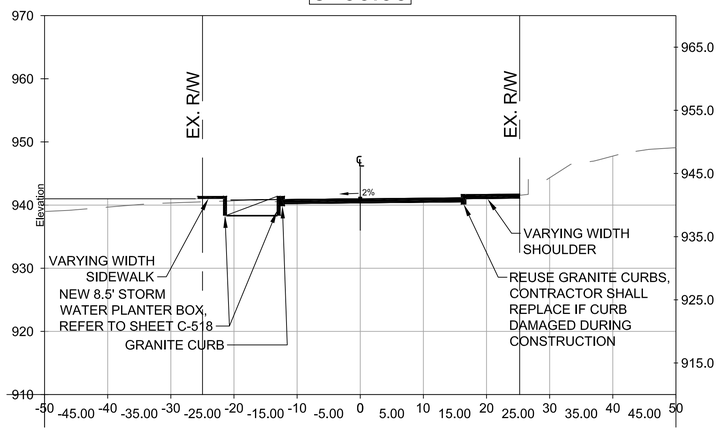

4 C-306 SECTION
SCALE: 1" = 10 FEET

GEORGIA Registered Engineer No. PE16719 PROFESSIONAL SUSAN U. MAJOR

CITY OF ATLANTA DEPARTMENT OF watershed management
JP2
5587 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY
CIVIL
THURMOND STREET
PAVING SECTIONS

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	9/25/2017
1	ISSUED FOR CONSTRUCTION	10/6/2017

PROJECT NO:	7383-E
DESIGNED BY:	SM
DRAWN BY:	NAP
CHECKED BY:	BS
DATE:	9-25-2017
SCALE:	NOTED

DRAWING NO.
C-306

SHEET OF

Know what's below. Call before you dig.

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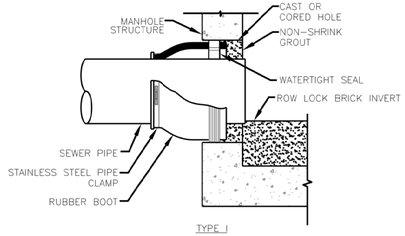
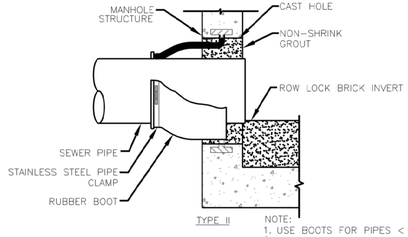


TYPE I



TYPE II

NOTE:
1. USE BOOTS FOR PIPES < 42" DIAMETER TYPE I IS FOR MECHANICALLY ATTACHED TYPE BOOTS. TYPE II IS FOR CAST-IN BOOTS

THIS DETAIL WAS TAKEN FROM THE CITY OF ATLANTA'S WEBSITE. IT MAY HAVE BEEN MODIFIED AND SHOULD BE REVIEWED THOROUGHLY.

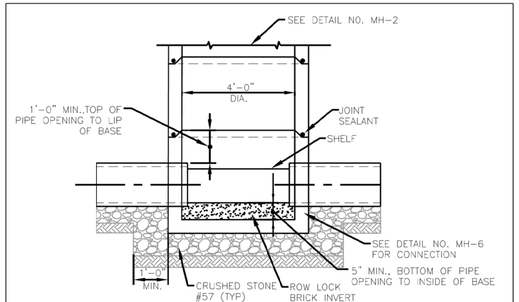
City of Atlanta

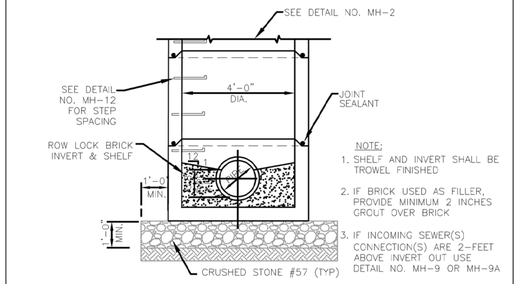
STANDARD DETAILS

BOOT CONNECTION

REV.
DATE: SEPT 2011
ORIG. DATE: NOV 2004
SCALE: N.T.S.

DETAIL NO. SS-G_BC001





NOTE:
1. SHELF AND INVERT SHALL BE TROWEL FINISHED
2. IF BRICK USED AS FILLER, PROVIDE MINIMUM 2 INCHES GROUT OVER BRICK
3. IF INCOMING SEWER(S) CONNECTION(S) ARE 2-FEET ABOVE INVERT OUT USE DETAIL NO. MH-9 OR MH-9A

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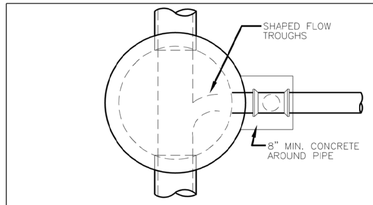
City of Atlanta

STANDARD DETAILS

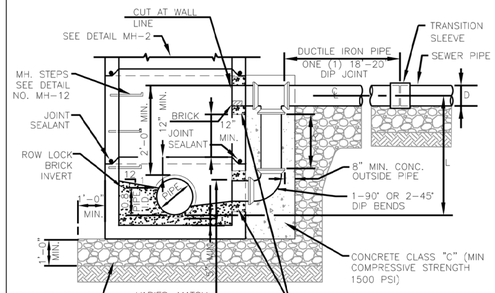
MANHOLE BASE

REV.
DATE: SEPT 2011
ORIG. DATE: NOV 2004
SCALE: N.T.S.

DETAIL NO. SS-G_MH001



PLAN



NOTE: POUR CONCRETE AGAINST UNDISTURBED EARTH OR FORM. IF FORMED, FILL VOID UNDER PIPE WITH CRUSHED STONE.

SECTION

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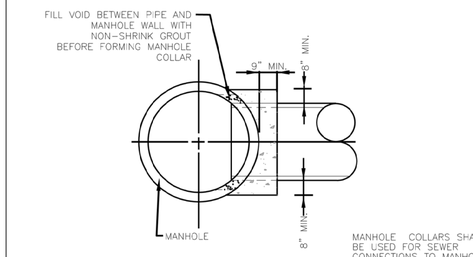
City of Atlanta

STANDARD DETAILS

MANHOLE BASE WITH DROP CONNECTION

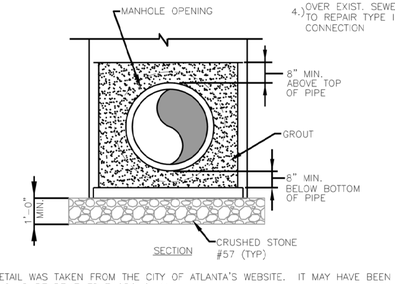
REV.
DATE: SEPT 2011
ORIG. DATE: NOV 2004
SCALE: N.T.S.

DETAIL NO. SS-G_MH005



PLAN

MANHOLE COLLARS SHALL BE USED FOR SEWER CONNECTIONS TO MANHOLES :
1.) IF EXIST. MANHOLE IS BRICK
2.) IF SEWER > 42" ø
3.) IF MANHOLE IS CONSTRUCTED OVER EXIST. SEWER
4.) TO REPAIR TYPE II BOOT CONNECTION



SECTION

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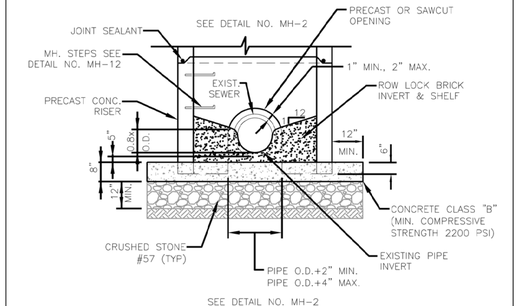
City of Atlanta

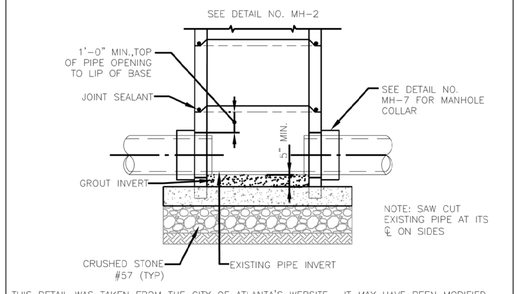
STANDARD DETAILS

MANHOLE COLLAR

REV.
DATE: SEPT 2011
ORIG. DATE: NOV 2004
SCALE: N.T.S.

DETAIL NO. SS-G_MC001





THIS DETAIL WAS TAKEN FROM THE CITY OF ATLANTA'S WEBSITE. IT MAY HAVE BEEN MODIFIED AND SHOULD BE REVIEWED THOROUGHLY.

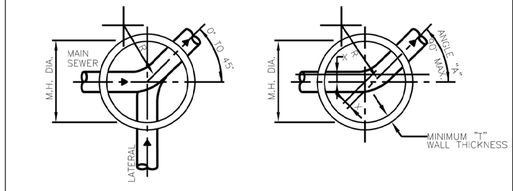
City of Atlanta

STANDARD DETAILS

MANHOLE OVER EXISTING SEWER

REV.
DATE: SEPT 2011
ORIG. DATE: NOV 2004
SCALE: N.T.S.

DETAIL NO. SS-G_MH007



STANDARD MANHOLE SCHEDULE OF GOVERNING DIMENSIONS

PIPE SIZE	ANGLE "A"	MH. DIA.	"T"	"X"
8" TO 15"	0° TO 90°	4'-0"	5"	0"
18" TO 24"	0° TO 60°	4'-0"	5"	0"
18" TO 24"	60° TO 90°	5'-0"	6"	6"
27" TO 30"	0° TO 30°	5'-0"	6"	0"
27" TO 30"	30° TO 60°	5'-0"	6"	6"
27" TO 30"	60° TO 90°	6'-0"	7"	8"
36"	0° TO 90°	6'-0"	7"	0"
42"	0° TO 60°	7'-0"	8"	8"
42"	60° TO 90°	8'-0"	9"	6"
48"	0° TO 45°	8'-0"	9"	6"
48"	60° TO 90°	12'-0"	13"	6"
54"	0° TO 60°	8'-0"	9"	6"
54"	60° TO 90°	12'-0"	13"	6"
60"	0° TO 30°	8'-0"	9"	0"
60"	30° TO 45°	8'-0"	9"	6"
60"	45° TO 60°	10'-0"	11"	6"
60"	60° TO 90°	12'-0"	13"	8"

NOTE:
MINIMUM ℄ RADIUS (R) OF M.H. INVERT = 1.5 x PIPE DIAMETER

City of Atlanta

STANDARD DETAILS

MANHOLE PLAN AND DIAMETERS

REV.
DATE: SEPT 2011
ORIG. DATE: JAN 1997
SCALE: N.T.S.

DETAIL NO. SS-G_MH009

Know what's below. Call before you dig.

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. PE16710 Shane U. Major

CITY OF ATLANTA DEPARTMENT OF watershed management

JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

STANDARD DETAILS

SANITARY SEWER 1 OF 2

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	10/2/2017

PROJECT NO: 7383-E
DESIGNED BY: CWM
DRAWN BY: JC
CHECKED BY: BS
DATE: 10-2-2017
SCALE: NOTED

DRAWING NO.
C-501

SHEET OF

ACAD Rel: 19.1s (LMS Tech)
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Last Saved: 9/30/2017 4:57 PM Saved By: SMajor

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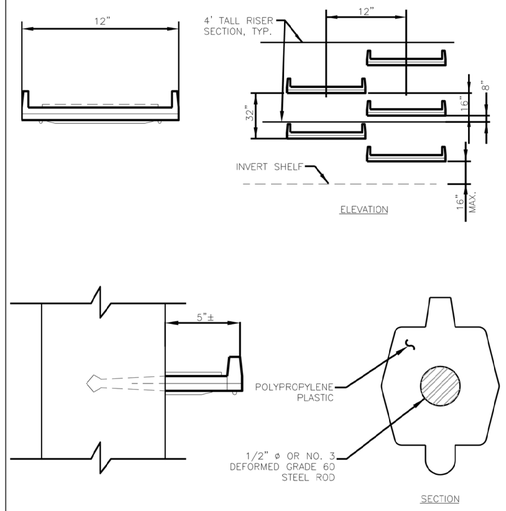
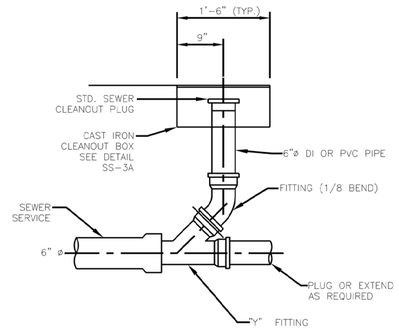


STEPS SHALL BE PLACED INTO WET CONCRETE WALL DURING MANUFACTURE OR MORTORED INTO HOLES AFTER CONCRETE HAS SET.

THIS DETAIL WAS TAKEN FROM THE CITY OF ATLANTA'S WEBSITE. IT MAY HAVE BEEN MODIFIED AND SHOULD BE REVIEWED THOROUGHLY.

City of Atlanta	STANDARD DETAILS	REV. DATE: SEPT 2011 ORIG. DATE: NOV 2004 SCALE: N.T.S.
	MANHOLE STEPS	DETAIL NO. SS-G_MS001

NOTE: TOP OF CLEANOUT BOX SHALL BE FLUSH WITH FINAL SURFACE IN SIDEWALKS AND PAVED AREAS



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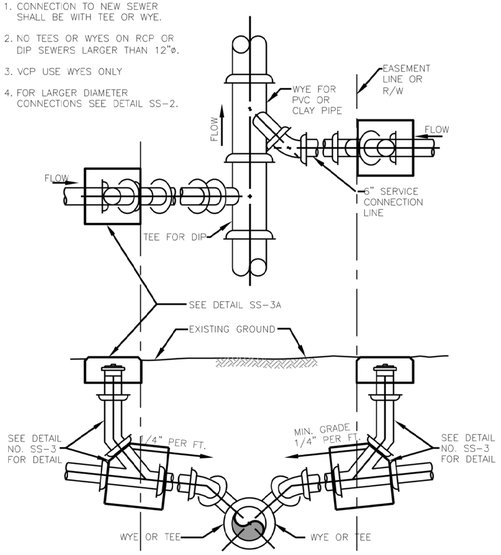
City of Atlanta	STANDARD DETAILS	REV. DATE: OCT. 2011 ORIG. DATE: NOV 2004 SCALE: N.T.S.
	SERVICE CONNECTION CLEANOUT	DETAIL NO. SS-G_SC004

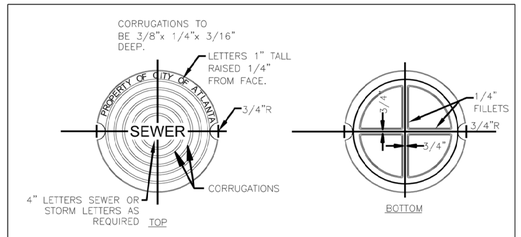
NOTES:

1. CONNECTION TO NEW SEWER SHALL BE WITH TEE OR WYE.
2. NO TEES OR WYES ON RCP OR DIP SEWERS LARGER THAN 12"ø.
3. VCP USE WYES ONLY
4. FOR LARGER DIAMETER CONNECTIONS SEE DETAIL SS-2.



THIS DETAIL WAS TAKEN FROM THE CITY OF ATLANTA'S WEBSITE. IT MAY HAVE BEEN MODIFIED AND SHOULD BE REVIEWED THOROUGHLY.

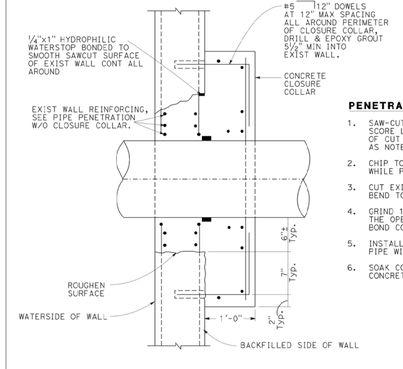
City of Atlanta	STANDARD DETAILS	REV. DATE: OCT. 2011 ORIG. DATE: NOV 2004 SCALE: N.T.S.
	SERVICE CONNECTION ON NEW SEWERS	DETAIL NO. SS-G_SC001



ESTIMATED WEIGHTS
FRAME 268 LBS
COVER 178 LBS.
TOTAL 446 LBS.

THIS DETAIL WAS TAKEN FROM THE CITY OF ATLANTA'S WEBSITE. IT MAY HAVE BEEN MODIFIED AND SHOULD BE REVIEWED THOROUGHLY.

City of Atlanta	STANDARD DETAILS	REV. DATE: SEPT 2011 ORIG. DATE: NOV 2004 SCALE: N.T.S.
	SOLID FRAME AND COVER	DETAIL NO. SG-G_FC002



PENETRATION NOTES:

1. SAW-CUT 1-INCH DEEP X PIPE OD + 12" SQUARE SCORE LINE ON EACH FACE OF WALL (VERIFY DEPTH OF CUT TO CLEAR REINFORCING.) (INCREASE HEIGHT AS NOTED AT TOP ON WATERSIDE FACE FOR POURING.)
2. CHIP TO REMOVE THE CONCRETE WITHIN THE SCORE LINE, WHILE PRESERVING THE EXISTING WALL REINFORCING.
3. CUT EXISTING REINFORCING AT CENTER OF OPENING AND BEND TO CLEAR PIPE.
4. GRIND 1½" WIDE X CONT SMOOTH SURFACE ALL AROUND THE OPENING AT CENTER OF WALL. CLEAN SURFACES AND BOND CONTINOUS HYDROPHILIC WATERSTOP IN PLACE.
5. INSTALL WALL PIPE (COAT CONCRETE ENCASED PORTION OF PIPE WITH SPECIFIED COATING SYSTEM)
6. SOAK CONCRETE SURFACES AND WITHIN 15-MINUTES OF CAST CONCRETE CLOSURE.

PIPE PENETRATION-EXISTING WALL

811 Know what's below. Call before you dig.

GEORGIA REGISTERED PROFESSIONAL ENGINEER SUSAN U. MAJOR

CITY OF ATLANTA DEPARTMENT OF watershed management
JP2
5887 Glenridge Drive Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

STANDARD DETAILS

SANITARY SEWER 2 OF 2

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	10/2/2017

PROJECT NO: 7383-E
DESIGNED BY: CNM
DRAWN BY: JC
CHECKED BY: BS
DATE: 10-2-2017
SCALE: NOTED

DRAWING NO. C-502

SHEET OF

ACAD Rel: 19.1s (LMS Tech)
Filename: O:\73_WS\T-2\C-502 SEWER DETs 2 OF 2.dwg
Last Saved: 9/30/2017 5:09 PM Saved By: SMajor

Plot Date: 9/30/2017 5:09 PM Plot By: SMajor Filename: O:\73_WS\T-2\C-502 SEWER DETs 2 OF 2.dwg

MAXIMUM PERMISSIBLE DEFLECTIONS

SIZE (NOM)	PUSH-ON-JOINT (18 FT. JOINTS) (20 FT. JOINTS)		MECHANICAL JOINT (18 FT. JOINTS) (20 FT. JOINTS)	
	DEGREE	MAX. OFFSET	DEGREE	MAX. OFFSET
3"	4.0	15"	4.5	17"
4"	4.0	15"	4.5	17"
6"	4.0	15"	4.5	17"
8"	4.0	15"	4.5	17"
10"	4.0	15"	4.5	17"
12"	4.0	15"	4.5	17"
14"	2.5	9.4"	3.0	11"
16"	2.0	7.5"	3.0	11"
20"	2.0	7.5"	2.0	7.5"
24"	2.0	7.5"	2.0	7.5"
30"	1.5	5.5"	2.0	7.5"
36"	1.5	5.5"	2.0	7.5"
42"	1.5	5.5"	1.5	5.5"
48"	1.5	5.5"	1.5	5.5"

NOTES:

1. WHEN A PIPE IS DEFLECTED, THE PIPE SHALL FIRST BE ASSEMBLED IN A STRAIGHT LINE, BOTH HORIZONALLY AND VERTICALLY BEFORE THE DEFLECTION IS MADE.

2. FOR MECHANICAL JOINT PIPE, THE BOLTS SHALL BE PARTIALLY TIGHTENED BEFORE THE LENGTH OF PIPE IS DEFLECTED. ANY SUPPORTED PIPE, SHALL BE SO SUPPORTED THAT THERE IS ZERO DEFLECTION EXCEPT WHERE EITHER A HORIZONAL OR VERTICAL CURVE ON A BRIDGE OR OTHER STRUCTURE IS INVOLVED.

3. THRUST RESTRAINTS MAY BE REQUIRED ON THE DEFLECTED JOINTS.

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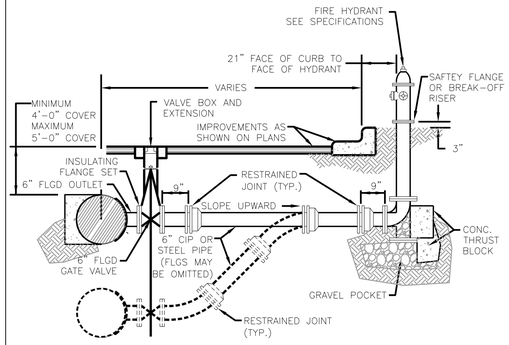
City of Atlanta	STANDARD DETAILS	REV. DATE: OCT. 2011 ORIG. DATE: NOV. 2004 SCALE: N.T.S.
	MAXIMUM PERMISSIBLE JOINT DEFLECTIONS	DETAIL NO. WR-G_DF001

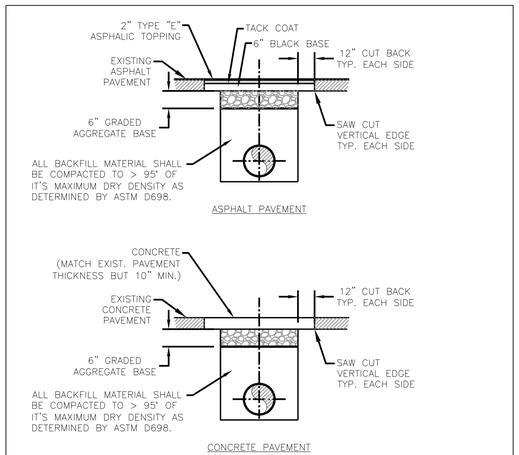


TYPE "A" FIRE HYDRANT (FH) LATERAL

NOTES:
1. ALL FERROUS SURFACES OF PIPE AND APPURTENANCES TO BE PROVIDED WITH PROTECTIVE COATINGS PER SPECS.
2. PROVIDE STAINLESS STEEL NUTS, BOLTS AND WASHERS TO BURIED FLANGES AND COUPLINGS, EXCEPT FOR NON-METALLIC WASHERS TO BE PROVIDED AS PART OF INSULATING FLANGE SET.

THIS DETAIL WAS TAKEN FROM THE CITY OF ATLANTA'S WEBSITE. IT MAY HAVE BEEN MODIFIED AND SHOULD BE REVIEWED THOROUGHLY.

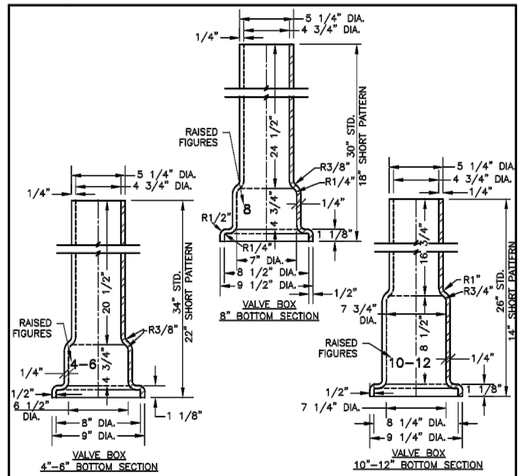
City of Atlanta	STANDARD DETAILS	REV. DATE: OCT. 2011 ORIG. DATE: NOV. 2004 SCALE: N.T.S.
	TYPE "A" TYPICAL FIRE HYDRANT	DETAIL NO. WR-G_FH002



NOTE:
TYPE III PAVEMENT REPLACEMENT SHALL BE USED ONLY FOR, LONGITUDINAL INSTALLATION AND WHERE THE TRENCH WIDTH AT THE TOP OF PIPE IS GREATER THAN FOUR FEET.

THIS DETAIL WAS TAKEN FROM THE CITY OF ATLANTA'S WEBSITE. IT MAY HAVE BEEN MODIFIED AND SHOULD BE REVIEWED THOROUGHLY.

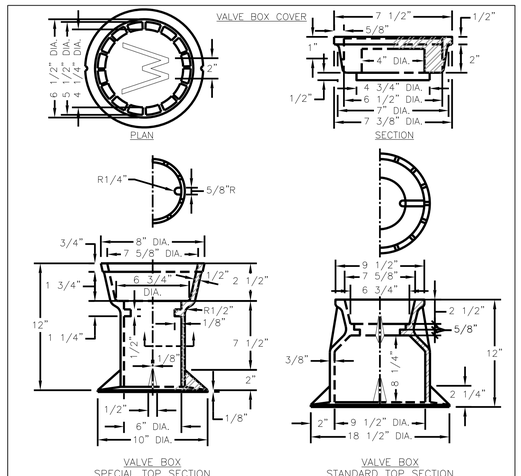
City of Atlanta	STANDARD DETAILS	REV. DATE: OCT. 2011 ORIG. DATE: OCT. 2004 SCALE: N.T.S.
	TYPE III PAVEMENT REPLACEMENT	DETAIL NO. WR-G_PV003



NOTES:
1. UNLESS NOTED OTHERWISE, CAST IRON SHALL CONFORM TO A.S.T.M. SPECIFICATIONS A48 LATEST REVISION FOR CLASS 20 GREY IRON CASTINGS.
2. CASTING SHALL BE TRUE AND FREE OF HOLES. THEY SHALL BE CLEANED ACCORDING TO GOOD FOUNDRY PRACTICE, CHIPPED AND GROUND AS NEEDED TO REMOVE FINS AND ROUGH PLACES.
3. FINISHED CASTING SHALL BE COATED INSIDE AND OUTSIDE WITH COAL TAR PITCH VARNISH AS INDICATED IN A.W.W.A. SPECIFICATIONS C110 LATEST REVISION. COATING MAY BE APPLIED COLD AND SHALL THOROUGHLY COVER ALL METAL SURFACES. FINISHED COATING SHALL BE SMOOTH, GLOSSY NOT BRITTLE WHEN COLD, NOT STICKY WHEN EXPOSED TO THE SUN, AND SHALL ADHERE TO THE METAL AT ALL TEMPERATURES.
4. WHEN COATING IS COMPLETE, LID SHALL FIT SNUGLY WITHOUT ROCKING.

THIS DETAIL WAS TAKEN FROM THE CITY OF ATLANTA'S WEBSITE. IT MAY HAVE BEEN MODIFIED AND SHOULD BE REVIEWED THOROUGHLY.

City of Atlanta	STANDARD DETAILS	REV. DATE: OCT. 2011 ORIG. DATE: OCT. 2004 SCALE: N.T.S.
	TYPICAL 4"-12" VALVE BOX ASSEMBLIES	DETAIL NO. WR-G_VB003



NOTES:
1. UNLESS NOTED OTHERWISE, CAST IRON SHALL CONFORM TO A.S.T.M. SPECIFICATIONS A48 LATEST REVISION FOR CLASS 20 GREY IRON CASTINGS.
2. CASTING SHALL BE TRUE AND FREE OF HOLES. THEY SHALL BE CLEANED ACCORDING TO GOOD FOUNDRY PRACTICE, CHIPPED AND GROUND AS NEEDED TO REMOVE FINS AND ROUGH PLACES.
3. FINISHED CASTING SHALL BE COATED INSIDE AND OUTSIDE WITH COAL TAR PITCH VARNISH AS INDICATED IN A.W.W.A. SPECIFICATIONS C110 LATEST REVISION. COATING MAY BE APPLIED COLD AND SHALL THOROUGHLY COVER ALL METAL SURFACES. FINISHED COATING SHALL BE SMOOTH, GLOSSY NOT BRITTLE WHEN COLD, NOT STICKY WHEN EXPOSED TO THE SUN, AND SHALL ADHERE TO THE METAL AT ALL TEMPERATURES.
4. WHEN COATING IS COMPLETE, LID SHALL FIT SNUGLY WITHOUT ROCKING.

THIS DETAIL WAS TAKEN FROM THE CITY OF ATLANTA'S WEBSITE. IT MAY HAVE BEEN MODIFIED AND SHOULD BE REVIEWED THOROUGHLY.

City of Atlanta	STANDARD DETAILS	REV. DATE: OCT. 2011 ORIG. DATE: OCT. 2004 SCALE: N.T.S.
	TYPICAL 4"-12" VALVE BOX ASSEMBLIES	DETAIL NO. WR-G_VB002

GEORGIA REGISTERED No. PE16710 PROFESSIONAL ENGINEER RODNEY U. MAJOR

CITY OF ATLANTA DEPT. OF watershed management

JP2
5887 Glenridge Drive
Suite 380
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

STANDARD DETAILS

WATER MAIN 1 OF 2

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	10/2/2017

PROJECT NO: 7383-E
DESIGNED BY: GWM
DRAWN BY: JC
CHECKED BY: BS
DATE: 10-2-2017
SCALE: NOTED

DRAWING NO.
C-503

SHEET OF

Know what's below. Call before you dig.

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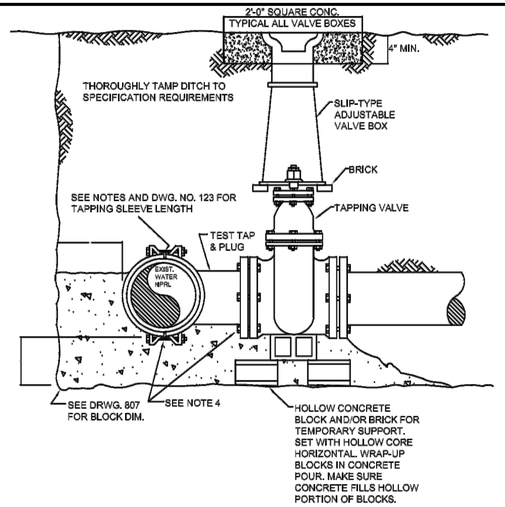


NOTES:

1. TEMPORARILY SUPPORT TAPPING SADDLE AND VALVE AND APPLY STANDARD HYDROSTATIC TEST.
2. IF NO LEAKS, POUR INDICATED PERMENANT CONCRETE BLOCK AND SUPPORT PAD.
3. MAKE TAP, LINE EXTENSION AND BACKFILL.
4. COVER GLANDS AND BOLTS WITH HEAVY POLYETHELENE SHEETING TO KEEP CONCRETE FROM BONDING. TYPICAL WHENEVER BOLTS OR GLANDS MAY BE "WRAPPED-UP" IN CONCRETE.
5. COAT TAPPING SLEEVE AND BOLTS WITH AN APPROVED BITUMASTIC COATING BEFORE POURING CONCRETE. TYPICAL FOR ALL STEEL INCLUDING RODS, COUPLINGS, STRAPS, AND OTHER BURIED STEEL. SEE NOTE 3, DRWG. 127 FOR COATING.

TAPPING SLEEVE AND VALVE INSTALLATION DETAILS

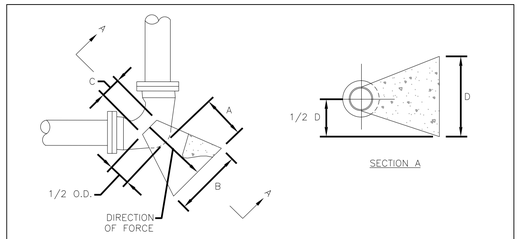
MAXIMUM TAPPING SLEEVE LENGTH

MAIN & TAP (IN. NOMINAL)	LENGTH (ALONG RUN)
6x6, 6x3, 6x4, 6x2	18"
8x2, 8x3, 8x4, 8x6	19"
8x8	21"
10x2, 10x3, 10x4, 10x6	19"
10x8, 10x10	23"
12x2, 12x3, 12x5, 12x6	19"
12x8	21"
12x10, 12x12	25"

NOTES:

1. ALL TAPPING SLEEVES AND VALVES SHALL BE HYDROSTATICALLY TESTED PRIOR TO TAP
2. SEE DWG. NO. 122 FOR TAPPING SLEEVE INSTALLATION DETAILS
3. WORKMEN INSTALLING TAPPING SLEEVE AND VALVE SHALL FOLLOW MANUFACTURER'S INSTALLATION PROCEDURES AND THE REQUIRMENTS OF FULTON COUNTY ENGINEER'S OFFICE.

TAPPING SLEEVE LENGTH



NOTE:
ENGINEER SHALL VERIFY SOIL CONDITION BEFORE THRUST BLOCK DESIGN IS IMPLEMENTED.

DESIGN DATA:
DIMENSION OF THRUST BLOCK IN FEET BASED ON 2000 POUNDS PER SQUARE FOOT SOIL BEARING PRESSURE AND 250 PER SQUARE INCH TEST PRESSURE. ACTUAL INSIDE DIAMETER OF DUCTILE IRON PIPE, CLASS 2 USED AS STANDARD.

CONCRETE SHALL BE CLASS A,3000 P.S.I. HIGH EARLY.

MINIMUM DIMENSIONS IN FEET FOR CONCRETE BLOCKING

BEND	SIZE	A	B	C	D	VOLUME CUBIC YARD
	6"	1.0	1.0	7"	1.0	0.03
	8"	1.0	1.25	7"	1.0	0.04
11 1/4	12"	1.0	2.0	11"	2.0	0.1
	16"	2.0	3.0	15"	2.0	0.3
	20"	2.0	3.0	19"	3.0	0.5
	24"	3.0	4.0	22"	3.0	0.8
	6"	1.0	1.5	7"	1.0	0.04
	8"	1.0	2.0	7"	2.0	0.1
22 1/2	12"	2.0	3.0	11"	2.0	0.3
	16"	2.0	4.0	15"	3.0	0.6
	20"	3.0	5.0	19"	3.0	0.1
	24"	4.0	6.0	22"	4.0	2.3
	6"	1.5	2.0	7"	1.5	0.11
	8"	2.0	3.0	7"	2.0	0.3
45°	12"	2.0	4.0	11"	3.0	0.7
	16"	3.0	5.0	15"	4.0	1.4
	20"	4.0	6.0	19"	5.0	2.8
	24"	5.0	8.0	22"	6.0	5.0

BEND	SIZE	A	B	C	D	VOLUME CUBIC YARD
	6"	1.75	2.5	7"	2.0	0.2
	8"	2.0	3.0	7"	3.0	0.4
90°	12"	4.0	6.0	11"	4.0	2.1
	16"	4.0	7.0	15"	5.0	3.1
	20"	5.0	8.0	19"	7.0	5.3
	24"	6.0	10.0	22"	8.0	10.5
	6"	1.5	2.0	7"	1.75	0.13
TEES	8"	2.0	3.0	7"	2.0	0.3
AND	12"	2.0	4.0	11"	4.0	0.8
PLUGS	16"	4.0	5.0	15"	5.0	1.8
	20"	2.0	7.0	19"	6.0	3.9
	24"	2.0	8.0	22"	7.0	5.9

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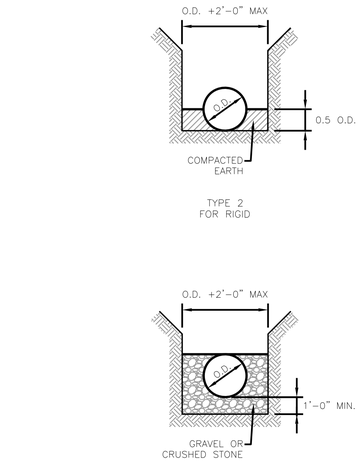
City of Atlanta

STANDARD DETAILS

TYPICAL HORIZONTAL THRUST BLOCK

REV.
DATE: OCT. 2011
ORIG. DATE: NOV. 2004
SCALE: N.T.S.

DETAIL NO. WR-G_TH005



THIS DETAIL WAS TAKEN FROM THE CITY OF ATLANTA'S WEBSITE. IT MAY HAVE BEEN MODIFIED AND SHOULD BE REVIEWED THOROUGHLY.

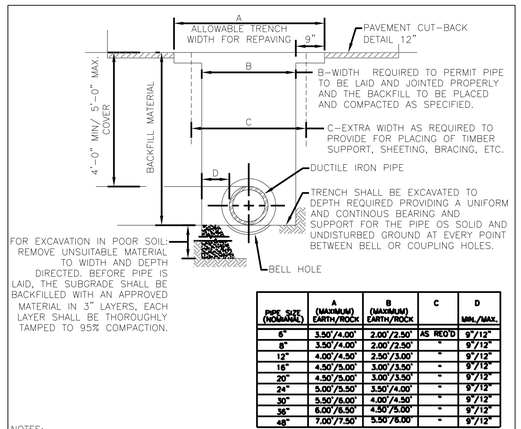
City of Atlanta

STANDARD DETAILS

TYPICAL WATER MAIN BEDDING & HAUNCHING

REV.
DATE: OCT. 2011
ORIG. DATE: OCT. 2004
SCALE: N.T.S.

DETAIL NO. WR-G_TR002



PIPE SIZE (NOMINAL)	A (MAXIMUM) EARTH/ROCK	B (MAXIMUM) EARTH/ROCK	C	D MIN./MAX.
6"	3.50'/4.00'	2.00'/2.50'	AS REQ'D	9"/12"
8"	3.50'/4.00'	2.00'/2.50'	"	9"/12"
12"	4.00'/4.50'	2.50'/3.00'	"	9"/12"
16"	4.50'/5.00'	3.00'/3.50'	"	9"/12"
20"	4.50'/5.00'	3.00'/3.50'	"	9"/12"
24"	5.00'/5.50'	3.50'/4.00'	"	9"/12"
30"	5.50'/6.00'	4.00'/4.50'	"	9"/12"
36"	6.00'/6.50'	4.50'/5.00'	"	9"/12"
48"	7.00'/7.50'	5.50'/6.00'	"	9"/12"

NOTES:

1. COMPACTION: BACKFILLS SHALL BE BUILT UP IN LAYERS AND EACH LAYER SHALL BE THOROUGHLY COMPACTED BEFORE BEGINNING ANOTHER LAYER. LAYERS SHALL BE NO MORE THAN 12-INCHES IN DEPTH, PUDDLING WILL NOT BE PERMITTED, NOR WILL FROZEN OR WET MATERIAL BE PLACED IN TRENCHES.
2. COMPACTION STANDARDS: ALL BACKFILL MATERIALS USED SHALL CONTAIN A SUFFICIENT AMOUNT OF MOISTURE FOR PROPER COMPACTION, AND THESE MATERIALS SMALL BE COMPACTED AT NOT LESS THAN 98% OF THEIR OPTIMUM COMPACTION FOR ANY SPECIFIC SOIL CLASSIFICATION. AS DETERMINED BY THE STANDARD PROCTOR TEST, ASTM D698.
3. COMPACTION TEST: COMPACTION TEST WILL BE REQUIRED IN EXISTING OR PROPOSED STREETS, SIDEWALKS, DRIVES AND OTHER EXISTING OR PROPOSED PAVED AREAS AT VARYING DEPTHS AND AT INTERVALS AS DETERMINED BY THE ENGINEER WITH A MINIMUM OF ONE TEST ON EACH JOB, AND A MAXIMUM OF ONE REQUIRED TEST FOR 400 FEET OF LESS OF WATER MAIN CONSTRUCTION. UNLESS SOIL CONDITIONS OR CONSTRUCTION PRACTICES, IN THE OPINION OF THE ENGINEER, WARRANT THE NEED FOR ADDITIONAL TESTS.

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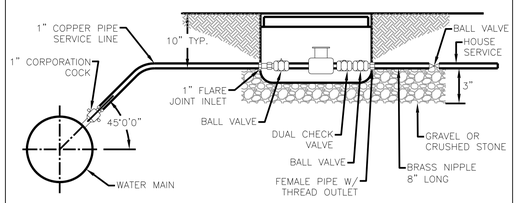
City of Atlanta

STANDARD DETAILS

TYPICAL WATERLINE TRENCH SECTION

REV.
DATE: OCT. 2011
ORIG. DATE: OCT. 2004
SCALE: N.T.S.

DETAIL NO. WR-G_TR001



NOTE:
1. FOR 1 1/2" AND 2-INCH SERVICES, MULTIPLE 1-INCH SERVICE LINES SHALL BE PROVIDED BETWEEN WATER MAIN AND WATER METER.
2. NEW SERVICE LINE UNDER ROADWAYS SHALL BE INSTALLED IN A CASING. REPLACEMENT SERVICE LINES MAY BE INSTALLED BY FREE BORE IF EXIST SERVICE IS NOT CASING.

THIS DETAIL WAS TAKEN FROM THE CITY OF ATLANTA'S WEBSITE. IT MAY HAVE BEEN MODIFIED AND SHOULD BE REVIEWED THOROUGHLY.

City of Atlanta

STANDARD DETAILS

WATER SERVICE AND METER CONNECTION

REV.
DATE: OCT. 2011
ORIG. DATE: OCT. 2004
SCALE: N.T.S.

DETAIL NO. WR-G_SV004

Know what's below. Call before you dig.

GEORGIA REGISTERED No. PE16710 PROFESSIONAL ENGINEER SUSAN U. MAJOR

CITY OF ATLANTA DEPARTMENT OF watershed management
JP2
5887 Glenridge Drive Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	10/2/2017

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

STANDARD DETAILS

WATER MAIN 2 OF 2

PROJECT NO: 7383-E
DESIGNED BY: GWM
DRAWN BY: JC
CHECKED BY: BS
DATE: 10-2-2017
SCALE: NOTED

DRAWING NO.
C-504

SHEET OF

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STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

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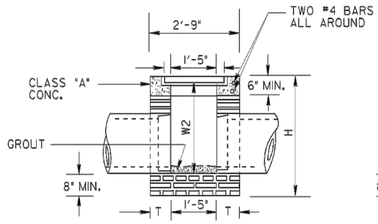
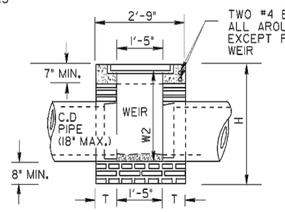


LONGITUDINAL SECTION

TYPE "B" WITH WEIR



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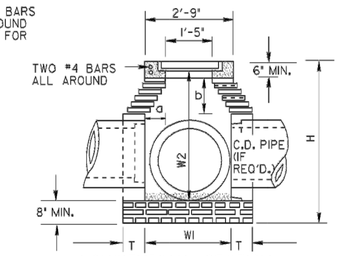
TYPE "C"



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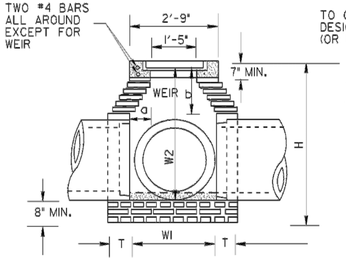

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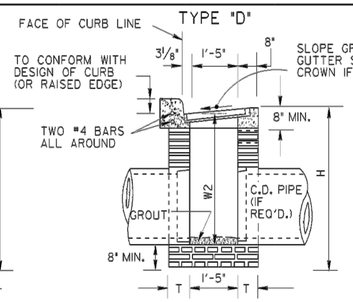
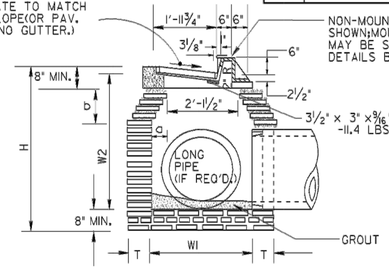
TYPE "D"



LONGITUDINAL SECTION

TYPE "E" (WITH HOOD)



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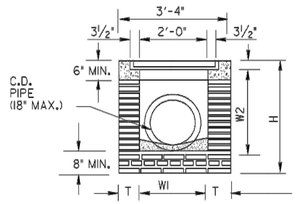

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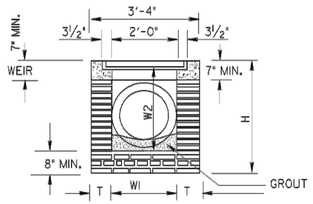

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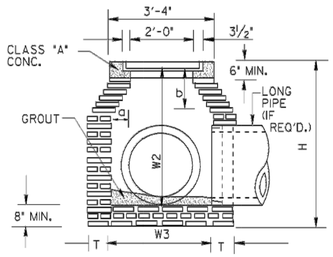

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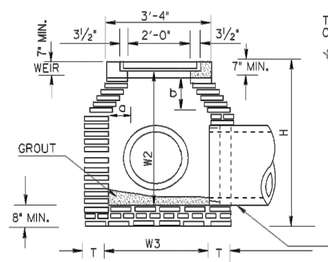

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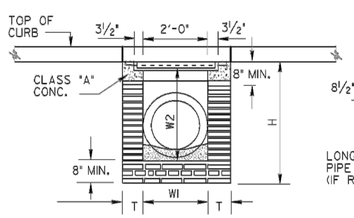

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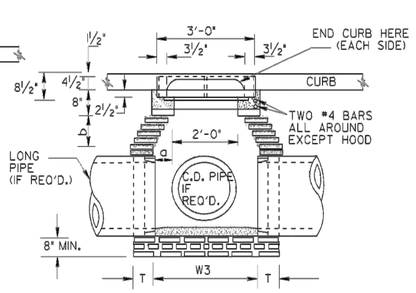

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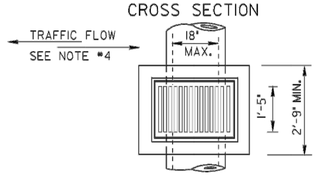
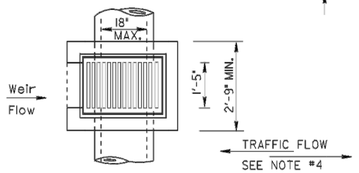
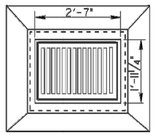


PLAN



PLAN OF CONCRETE COPING SHOWING WEIR



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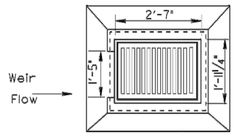
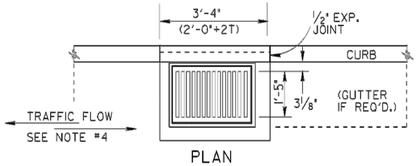


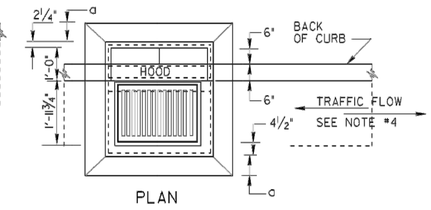
PLAN

TRAFFIC FLOW
SEE NOTE #4



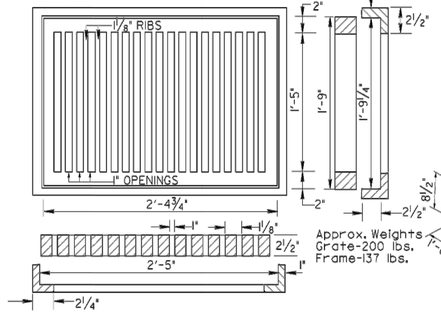
PLAN

NOTE:
FOR LARGER PIPE SIZES, TYPE "D" DROP INLET BOX WILL HAVE DETAILS AND DIMENSIONS AS SHOWN FOR TYPE "C" INLETS.



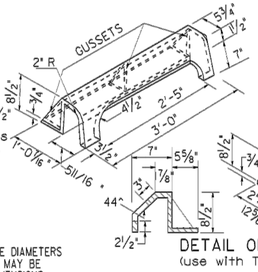
PLAN

DETAILS OF C.I. GRATING & FRAME

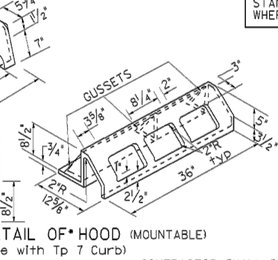


Approx. Weights
Grate-200 lbs.
Frame-137 lbs.

DETAIL OF "HOOD (NON-MOUNTABLE USE WITH TP2 CURB)

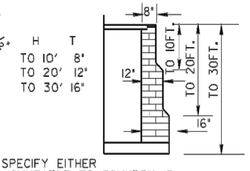


DETAIL OF "HOOD (MOUNTABLE) (use with Tp 7 Curb)



* CONTRACTOR SHALL SPECIFY EITHER MOUNTABLE OR NON-MOUNTABLE TO FOUNDRY IF HOOD IS REQUIRED.

BRICK WALL THICKNESSES (FOR ALL TYPE INLETS)



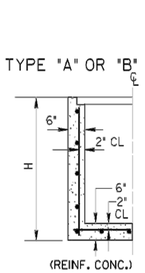
NOTE:
MINIMUM DIMENSIONS GIVEN IN TABLE BELOW ARE BASED UPON TYPICAL OUTSIDE DIAMETERS OF CONCRETE PIPES WITH NORMAL COVER AND CLEARANCES. THESE DIMENSIONS MAY BE MODIFIED IF SO DETAILED IN THE PLANS OR AS DIRECTED BY THE ENGINEER. DIMENSIONS GIVEN ARE MINIMUM EXCEPT FOR "d" WHICH IS MAXIMUM.

SPECIAL NOTE:
STANDARD 1019A INLETS ARE FOR USE AT LOW POINTS & WHERE HYDRAULIC LOW CAPACITY GRATES ARE SUFFICIENT. WHERE HIGHER CAPACITY GRATES ARE NEEDED ON A CONTINUOUS GRADE, STANDARD 1019B IS RECOMMENDED.

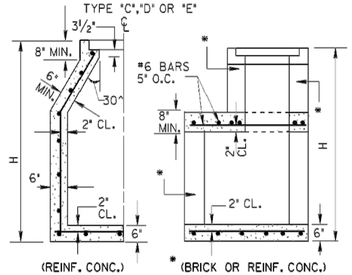
NOTE:
DETAILS NOT SHOWN FOR CONSTRUCTION ALTERNATES WILL BE SIMILAR TO THAT SHOWN FOR BRICK MASONRY.

CONSTRUCTION ALTERNATES

TYPE "A" OR "B"



TYPE "C","D" OR "E"



NOTE: CONCRETE WALLS WILL BE REINFORCED WITH #4 BARS 12" O.C. BOTH WAYS, BUT WHERE H IS OVER 9 FT., AND PIPE IS OVER 30" I.D., THE HORIZONTAL STEEL, WHICH IS MORE THAN 9 FT. DEEP WILL BE INCREASED TO 6" SPACINGS. 6" CONC. BOTTOM SLABS WILL BE REINFORCED WITH #4 BARS 12" O.C. BOTH WAYS.

NOTE: FOR PRECAST ALTERNATES, SEE STD. 1019-A PRECAST AND/OR STD. 1040 PRECAST AND BUILT-IN-PLACE COMPONENTS MAY BE USED IN COMBINATIONS WHICH PROVIDE PROPER FITS AND STRUCTURAL ADEQUACY.

GENERAL NOTES:

1. SPECIFICATIONS:GEORGIA STANDARD AND CURRENT EDITION, AND SUPPLEMENTS THERETO.
2. ½" EXPANSION JOINT WILL BE REQUIRED WHERE RIGID PAVEMENT, CONCRETE SIDEWALK OR CONCRETE GUTTER MEETS DROP INLETS.
3. ALIGNMENT, NUMBER AND SIZES OF PIPES SHOWN ARE ONLY TYPICAL, SEE PLANS FOR ACTUAL PIPE CULVERT REQUIREMENTS.
4. ALL TYPE DROP INLETS WILL BE CONSTRUCTED (AS SHOWN), SO THAT THE GRATE BARS ARE PERPENDICULAR TO THE FLOW OF TRAFFIC EXCEPT ON LIMITED ACCESS PROJECTS OR WHERE BICYCLES ARE PROHIBITED.
5. BRICK MASONRY WITH CLASS "A" CONC. TOP PORTION IS SHOWN AS STANDARD CONSTRUCTION WITH ALTERNATES PERMITTED AS SHOWN, BOTTOM SLAB MAY BE 8" MIN. NON-REINFORCED CONCRETE, 8" BRICK OR 6" MIN. REINFORCED CONCRETE, SEE APPLICABLE STANDARDS FOR ALTERNATE PRECAST CONSTRUCTION.

TABLE OF MINIMUM DIMENSIONS FOR DROP INLETS

D	TYPES"A" or "B" BRICK OR REINF. CONC.			TYPE "C" OR"D" (BRICK)						TYPE "E" (BRICK)						TYPE"C","D" OR"E" (REINFORCED CONCRETE)						
	WI	W2	H(min)	WI	W2	W3	a (MAX.)	b	H(min.)	WI	W2	W3	a (MAX.)	b	H(min.)	WI type"C"	WI type"E"	W2	W3	a (MAX.)	b	H(min.)
15"	2'- 0"	2'- 7"	3'-3½"	2'-2⅛"	2'-11"	2'-9⅛"	0'-4⅜"	0'-7⅞"	3'-9½"	3'-2⅛"	3'- 1"	3'-0⅝"	0'-7⅜"	1'-⅛"	3'-11½"	2'- 0"	2'- 1"	2'- 7"	2'- 0"	3½"	6"	3'- 6"
18"	2'- 0"	2'-10"	3'- 7"	2'-2⅛"	3'-2½"	2'-9⅛"	0'-4⅜"	0'-7⅞"	4'-1"	3'-2⅛"	3'-4½"	3'-0⅝"	0'-7⅜"	1'-⅛"	4'- 1"	2'- 0"	2'- 1"	3'- 0"	2'- 0"	3½"	6"	3'-11"
24"	~	~	~	2'-8⅛"	3'-3⅛"	3'-3⅛"	0'-7⅜"	1'-1⅛"	4'- 9"	3'-2⅛"	3'-11½"	3'-0⅝"	0'-7⅜"	1'-1⅛"	4'-8¼"	2'- 8"	2'- 9"	3'- 8"	2'- 6"	6½"	11¼"	4'- 7"
30"	~	~	~	3'-1¼"	4'-0¼"	3'-10⅛"	1'-0⅛"	1'- 9"	5'-10"	3'-5½"	4'-6⅜"	3'- 4"	0'- 8"	1'-1⅞"	5'-6⅞"	3'- 4"	3'- 6"	4'- 9"	3'- 0"	9½"	16½"	5'-10"
36"	~	~	~	4'-1⅞"	6'-0⅝"	4'-8⅞"	1'-4⅞"	2'-2¼"	6'-11⅝"	3'-11½"	5'-8⅝"	3'-10"	0'-11"	1'-7⅛"	6'-7⅛"	3'-10"	4'- 0"	5'-10"	3'- 9"	1'- 2"	2'- 0"	6'-10"
42"	~	~	~	4'-5 "	7'-1¾"	5'- 0"	1'- 6"	2'-7⅜"	8'-0¼"	4'-6½"	7'-5⅛"	4'- 5"	1'-2½"	2'-1⅜"	8'-4⅜"	4'- 5"	4'- 6"	7'- 0"	4'- 3"	1'- 5"	2'-5½"	7'-11"
48"	~	~	~	5'- 0"	8'-2¾"	5'- 7"	1'-9½"	3'-1¼"	9'-11¼"	5'-1½"	8'-6⅞"	5'- 0"	1'- 6"	2'-7⅜"	9'-5⅜"	5'- 0"	5'- 0"	8'- 2"	5'- 0"	1'-9½"	3'-1½"	9'- 2"
54"	~	~	~	5'- 7"	9'- 4"	6'- 2"	2'- 1"	3'-7½"	10'-2½"	5'-8½"	9'-7¾"	5'- 7"	1'-9½"	3'-1¼"	10'-6¼"	5'- 6"	5'- 6"	9'- 2"	5'- 6"	2'-0½"	3'-6½"	10'- 0"
60"	~	~	~	6'- 2"	1'-4⅞"	6'- 9"	2'-4½"	4'-1⅜"	11'-3¼"	6'-3½"	10'-8⅞"	6'- 2"	2'- 1"	3'-7⅝"	11'-7⅜"	6'- 0"	6'- 0"	10'- 3"	6'- 0"	2'-3½"	4'- 0"	11'- 1"

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	10/2/2017

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD DROP INLETS (BUILT-IN-PLACE)

SCALE AS SHOWN REV. & REDR. AUG., 1999

BY	REVISION	DATE
DES. ____ REV. ____ TRA. ____ CHK. ____	(SUBMITTED) STATE ROAD & AIRPORT DESIGN ENGR. (APPROVED) CHIEF ENGINEER	

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

STANDARD DETAILS
DROP INLETS

PROJECT NO: 7383-E
DESIGNED BY: GWM
DRAWN BY: JC
CHECKED BY: BS
DATE: 10-2-2017
SCALE: NOTED

DRAWING NO.
C-505

SHEET OF

JP2
5887 Glenridge Drive
Suite 380
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

Know what's below. Call before you dig.

ACAD Rel: 19.1s (LMS Tech)
Filename: O:\73_WS\T-2\C-505 DROP INLET DETs.dwg
Last Saved: 5/8/2017 7:15 PM Saved By: NPerrone

Plot Date: 10/1/2017 4:25 PM Plot By: SMajor Filename: O:\73_WS\T-2\C-505 DROP INLET DETs.dwg

STATE	PROJECT NUMBER	SHEET NO	TOTAL SHEETS
GA.			

#4 RING IN TOP
#4 RING IN BOTTOM
(a) BAR
(b) BARS 6" C. TO C.
(c) BARS 6" C. TO C.
48"
2#4 RINGS IN TOP
2#4 RINGS IN BOTTOM
D
(b) BARS 6" C. TO C.
(a) BAR

PLAN OF STEEL REINFORCEMENT

#4 RINGS
48"
#4 RINGS
Y
2#4 RINGS
1½"
BARS
T
D
T

SECTIONAL DETAIL
REDUCER SLAB

D = INSIDE DIAMETER OF BASE UNIT

PRECAST HOLE FOR PIPE. SEE GEN. NOTES NO. 3, 4, & 5

D
T
6" MIN.
12"
ADD'L. CIRCUMFERENTIAL REINFORCEMENT ATTACHED TO REINF. BARS; MINIMUM OF 0.12 SQ.IN./LINEAR FT. FOR D=48" AND 0.17 SQ.IN./ LINEAR FT. FOR D=OVER 48"
REINFORCING BARS (SEE DETAIL BELOW)
1½"
12" SECTIONAL DETAIL 6" 12"
BASE UNIT

BASE UNIT SHALL CONTAIN IN ADDITION TO A.S.T.M. C-478 REINFORCEMENT, TWO NO. 5 VERTICAL BARS AT EACH OPENING EXTENDING FROM WITHIN 2" OF JOINT DOWN WALL INTO BOTTOM SLAB AS SHOWN. MINIMUM 2" CLEARANCE ALL AROUND.

D	T (MIN)
48"	5"
60"	5"
72"	6"

D+2T
6"
12" c. to c.
12" c. to c.
6"
REINFORCING BARS IN TOP OF BOTTOM SLAB MAXIMUM SPACING 12" C. TO C. BOTH WAYS
T
2" CL

PLAN OF STEEL REINFORCEMENT IN BOTTOM SLAB
BASE UNIT

D	BAR SIZE
48"	#5
60"	#6
72"	#6

M.H. WALL
9" MIN.
1" MIN.
CLEATS
FOOT GUIDE LUGS
12"
STEP SHALL BE OF TYPE APPROVED BY GA. D.O.T. OFFICE OF MATERIALS AND RESEARCH.
⅜" Ø REINFORCING ROD (MIN) ENCASED IN A CORROSION-RESISTANT RUBBER OR PLASTIC

MIN. VERTICAL LOAD RESISTANCE = 400 LBS.
MIN. PULLOUT RESISTANCE = 700 LBS.

STEP DETAIL

D	Y MIN.	(a) BARS No.	(a) BARS SIZE	(b) BARS No.	(b) BARS SIZE	(c) BARS No.	(c) BARS SIZE
60"	8"	2	#6	4	#6	2	#6
72"	9"	2	#6	6	#6	4	#5

NOTE: 10 FT. MAXIMUM ALLOWANCE COVER ABOVE TOP OF REDUCER SLABS. REDUCER CONES TO BE USED WHERE REDUCER SLABS NOT PERMITTED.

STEPS ARE REQUIRED IN ALL MANHOLES OVER 4 FT. IN HEIGHT.

MANHOLE CASTINGS AS SHOWN BELOW OR AS SHOWN ON STD. 1011-A (BRICK)
GRADE RINGS OR BRICK COURSES IF REQ'D. FOR GRADE ADJUSTMENT.
5" 24" 8"
24" MAX.
8"
2'-0"
8"
TOP CONE*
M.H. STEP
STEEL REINFORCEMENT SEE GEN. NOTE NO. 2(A)
4'-0"
RISER SECTIONS AS REQ'D. 1'-0" TO 4'-0" HT. EACH.
4" MIN
2#4 CONCENTRIC RINGS
ADDITIONAL CIRCUMFERENTIAL REINFORCEMENT REQ'D. OF NOT LESS THAN ONE LINE OF STEEL 0.17 SQ. IN. PER LINEAL FOOT.
Z+1"
X
16" MAX.
Z
ECCENTRIC REDUCER CONE
RISERS MAY BE USED BETWEEN REDUCER CONE AND BASE UNIT IF NEEDED.
T
6" MIN.
BASE UNIT (SEE DETAILS BOTTOM LEFT)
6"

SECTIONAL DETAIL
(MANHOLE WITH BASE UNIT OF D=OVER 48")

NOTE: 25 FT. MAXIMUM ALLOWABLE COVER ABOVE REDUCER CONE.

D	X (MIN.)	Z (MIN.)
60"	1'-6"	5"
72"	3'-0"	6"

H (30' MAX)

*CONCENTRIC CONE SHOWN. MIN. HT. = 2'-0". ECCENTRIC CONES MAY BE USED AS AN ALTERNATE, MIN. HT. = 3'-0" DESIGNED ACCORDING TO A.S.T.M. C-478

MANHOLE CASTINGS AS SHOWN BELOW OR AS SHOWN ON STD. 1011-A (BRICK)
GRADE RINGS OR BRICK COURSES IF REQ'D. FOR GRADE ADJUSTMENT.
5" 24" 8"
24" MAX.
8"
2'-0"
8"
TOP CONE*
STEEL REINFORCEMENT SEE GEN. NOTE NO. 2(A)
4" MIN
4'-0"
M.H. STEP
RISER SECTIONS 1'0" TO 4'0" HT. EACH (AS REQ'D.)
H (30' MAX)
16" MAX.
6" MIN.
5"
BASE UNIT (SEE DETAILS BOTTOM LEFT)
16"

SECTIONAL DETAIL
(MANHOLE WITH BASE UNIT OF D=48")

INSIDE DIAMETER OF BASE UNIT DEPENDS UPON SIZE AND ALINEMENT OF PIPES. SEE GENERAL NOTES.
INVERT CHANNEL SEE GENERAL NOTE NO. 6
TWO ADDITIONAL NO. 5 BARS AT EACH OPENING.
OUTLET PIPE CHIPPED BACK SO THAT NO PART EXTENDS BEYOND INTERIOR WALL OF STRUCTURE.
8" MIN.
D

PIPE PLACEMENT DETAIL

NO. 6 REINF. BARS
2'-0"
8"
#4 RINGS
BASE UNIT OR RISER
D

SECTIONAL DETAIL

1" R
1¾"
COVER
TOP
B
7/8"
1" R
BOTTOM.
NO. 6 REINF. BARS

PLAN OF REINFORCING STEEL

#4 RING IN TOP
1#4 RING IN BOTTOM.
S = 6" (MAX.) c. to c.

FLAT TOP SLAB IS FOR USE IN AREA OF MINIMUM COVER ONLY. MAXIMUM HEIGHT OF MANHOLE WITH FLAT TOP SLAB SHALL BE 4 FT. ABOVE TOP OF HIGHEST ENTERING PIPE.

FLAT TOP SLAB

FRAME
1⅛
1¼"
½"
3¾"
11" R
11½" R
APPROX. WEIGHTS: FRAME -200 LBS. COVER - 135 LBS.

NOTE: FRAME AND COVER TO BE FITTED BEFORE LEAVING SHOP.

SECTION A-A

1½"
1¾"
27⅞"
27⅞"
½"
2"
1"
¼"
⅛"
3" ⅜"
2" R
1½"
10½"

SECTION B-B

MANHOLE CASTINGS (C.I.)

GENERAL NOTES:

1. MATERIALS: ALL CONCRETE, STEEL BARS AND STEEL WIRE REINFORCEMENT SHALL COMPLY WITH SECTION 866.02 OF GEORGIA STANDARD SPECIFICATIONS AND SPECIAL PROVISION WHICH MODIFY SECTION 866.02.
2. REINFORCEMENT:
   (A) PLACEMENT AND DESIGN OF STEEL REINFORCEMENT IN RISER UNITS, CONE SECTIONS, GRADE RINGS AND JOINTS SHALL BE IN COMPLIANCE WITH A.S.T.M. C-478 UNLESS OTHERWISE NOTED.
   (B) BASE UNITS, REDUCER SLABS AND FLAT TOP SLABS SHALL HAVE STEEL REINFORCEMENT AS SHOWN IN DETAILS AT LEFT.
3. OPENINGS FOR PIPES LARGER THAN 6 INCHES IN DIAMETER ARE TO BE PRECAST. A MINIMUM OF 6" ALONG THE INTERCIRCUMFERENCE IS TO REMAIN BETWEEN THE EXTREMITIES OF HOLE FOR ADJACENT PIPE IN ANY SINGLE UNIT. A MINIMUM OF TWO REINF. BARS, SHALL REMAIN IN WALL BETWEEN ANY TWO OPENINGS.
4. THE CONTRACTOR WILL FURNISH THE FABRICATOR WITH THE ANGLE OF ALINEMENT AND SIZE OF ALL PIPES TO ENTER MANHOLE AND THE HEIGHT OF STRUCTURE.
5. BASE UNITS SHALL HAVE SUFFICIENT HEIGHT TO ALLOW FOR MINIMUM OF 6" OF WALL BETWEEN TOP OF HIGHEST OPENING FOR PIPES AND BOTTOM OF JOINT.
6. INVERT CHANNELS:
   (A) FOR SANITARY SEWER MANHOLES SEE GEORGIA STANDARD SPECIFICATIONS FOR CHANNEL REQUIREMENTS.
   (B) FOR STORM SEWER MANHOLES, CHANNELS BUILT TO SUIT PIPE SIZES AND LOCATION. HEIGHT OF CHANNEL EQUAL TO 1/2 DIAMETER OF OUTLET PIPE. CHANNEL BUILT FROM GROUT OR CLASS "A" CONCRETE.
7. PIPES ARE TO BE EXTENDED INTO STRUCTURE WALL A MINIMUM OF 4" BUT SHOULD NOT EXTEND BEYOND INTERIOR WALL OF STRUCTURE.
8. ALL JOINTS, EXCEPT FOR GRADE RINGS AND TOP OF TOP CONE, SHALL HAVE TONGUE AND GROOVE SECTION.

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD PRECAST REINFORCED CONCRETE MANHOLE

NO SCALE. AUGUST, 1973

REVISIONS	BY	DATE
CASTINGS & BASE U.	R M U	6-1-75

DESIGNED: GCL RMU
DRAWN: RMU JPC
CHECKED:
SUBMITTED: STATE ROAD DESIGN ENGINEER
APPROVED: STATE HIGHWAY ENGINEER
NUMBER 1011A

GEORGIA REGISTERED No. PE16710 PROFESSIONAL ENGINEER RODNEY COOK JR. SEAL

CITY OF ATLANTA DEPT. OF watershed management

jp² JP2 5887 Glenridge Drive Suite 300 Atlanta, GA. 30328 Phone: 404.979.3300 Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

STANDARD DETAILS

PRECAST MANHOLE

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	10/2/2017

PROJECT NO: 7383-E
DESIGNED BY: CWM
DRAWN BY: JC
CHECKED BY: BS
DATE: 01/09/2017
SCALE: NOTED

DRAWING NO. C-506

SHEET OF

Know what's below. Call before you dig.

ACAD Rel: 19.1s (LMS Tech)
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Last Saved: 5/8/2017 7:28 PM Saved By: NPerrone

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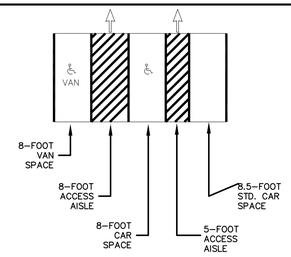
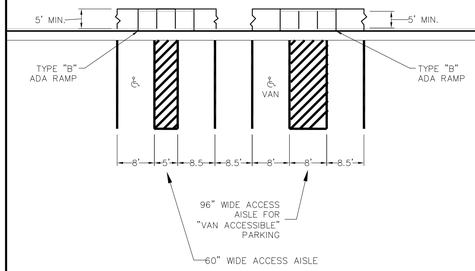
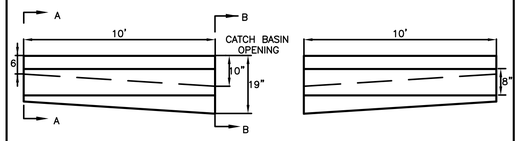


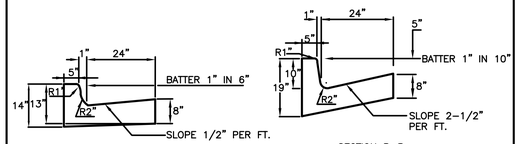
Each accessible parking space must be at least 96 inches (8 feet) wide and shall have an adjacent access aisle. Van-accessible parking spaces must have a 96-inch (8 feet) wide access aisle adjacent to the parking space, and standard vehicle accessible parking spaces must have a 60-inch (5 feet) wide access aisle adjacent to the parking space. The accessible path of travel from the parking space to the building must start from the access aisle (note wide arrows). Access aisles are to be kept clear of all obstructions at all times.



City of Atlanta

STANDARD DETAILS	REV. DATE: OCT 2012 ORIG. DATE: SCALE: N.T.S.
ADA PARKING COMMERCIAL	DETAIL NO. TR-G_PK002





STANDARD SECTION AND SECTION A-A

SECTION B-B
(SECTION AT CATCH BASIN)

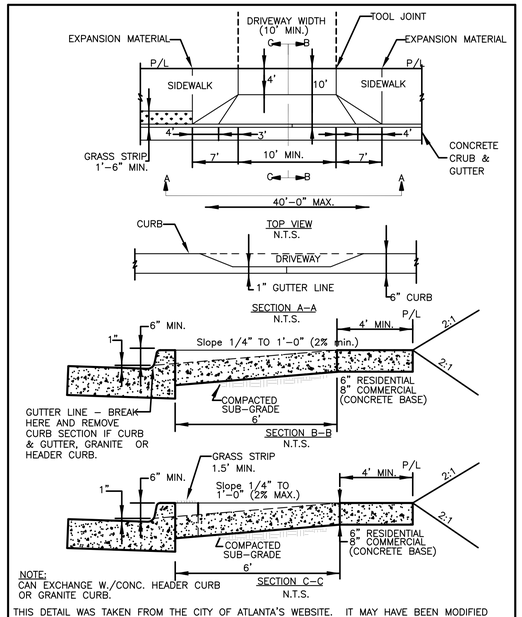
NOTES:

1. SECTIONS, WHERE DIRECTED BY THE ENGINEER, MAY BE CONSTRUCTED IN UNIFORM LENTHS OF TWENTY (20) FT.S ON TANGENT, LENGTH MAY BE REDUCED FOR CLOSURE AND AT CORNERS TO NOT LESS THAN SIX(6) FEET.
2. BASIS OF PAYMENT: PER LINEAR FOOT (INCLUDING VARIABLE HEIGHT CURB)
3. CONCRETE CURB AND GUTTER IN ACCORDANCE WITH GEORGIA STATE HIGHWAY SPECIFICATIONS SECTION 441 (2001 EDITION)
4. SEE STD. CURB CATCHBASIN-NO.CB-1 & CB-2

THIS DETAIL WAS TAKEN FROM THE CITY OF ATLANTA'S WEBSITE. IT MAY HAVE BEEN MODIFIED AND SHOULD BE REVIEWED THOROUGHLY.

City of Atlanta

STANDARD DETAILS	REV. DATE: SEPT 2011 ORIG. DATE: JAN 1997 SCALE: N.T.S.
CONCRETE CURB AND GUTTER	DETAIL NO. TR-B_CG001



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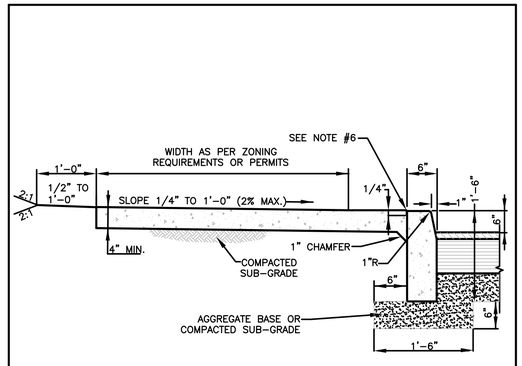
City of Atlanta

STANDARD DETAILS	REV. DATE: MAY 2016 ORIG. DATE: NOV 2004 SCALE: N.T.S.
STANDARD DRIVEWAY DETAIL	DETAIL NO. TR-B_DR005



NOTES:

1. SIDEWALK SHALL BE SCRIBED WITH TRANSVERSE CONTROL JOINTS IN SQUARES EQUAL TO SIDEWALK WIDTH BUT NOT TO EXCEED 10 FEET.
2. CONCRETE SHALL BE TYPE "A" 3,000 P.S.I. MIN. STRENGTH.
3. EXPANSION JOINTS SHALL EXTEND ACROSS THE FULL WIDTH OF THE SIDWALK. CONTROL JOINTS SHALL BE LOCATED ON EACH SIDE OF A DRIVEWAY APRON AND NOT MORE THAN 100 FEET APART.
4. PREFORMED BITUMINOUS MATERIAL SHALL BE PLACED BETWEEN ALL FIXED OBJECTS AND THE NEW CONCRETE SIDEWALK.
5. ALL CONCRETE WORK SHALL BE PER CITY OF ATLANTA STANDARD SPECIFICATIONS FOR CONSTRUCTION.
6. 1/4 INCH TOOLED JOINT BETWEEN CURB AND SIDEWALK.
7. NEITHER WIRE MESH NOR REBAR CAN BE USED IN THE R/W.

THIS DETAIL WAS TAKEN FROM THE CITY OF ATLANTA'S WEBSITE. IT MAY HAVE BEEN MODIFIED AND SHOULD BE REVIEWED THOROUGHLY.

City of Atlanta

STANDARD DETAILS	REV. DATE: SEPT 2011 ORIG. DATE: JAN 1997 SCALE: N.T.S.
STANDARD MONOLITHIC SIDEWALK AND CURB	DETAIL NO. TR-B_SW004

GEORGIA REGISTERED No. PE16710 PROFESSIONAL ENGINEER SUSAN U. MAJOR

CITY OF ATLANTA DEPARTMENT OF watershed management
JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310
jp2 VISION • DISCOVERY • RESULTS

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

STANDARD DETAILS

SITEWORK DETAILS

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	10/2/2017

PROJECT NO: 7383-E
DESIGNED BY: GNM
DRAWN BY: JC
CHECKED BY: BS
DATE: 10-2-2017
SCALE: NOTED

DRAWING NO.
C-507

SHEET OF

Know what's below. Call before you dig.

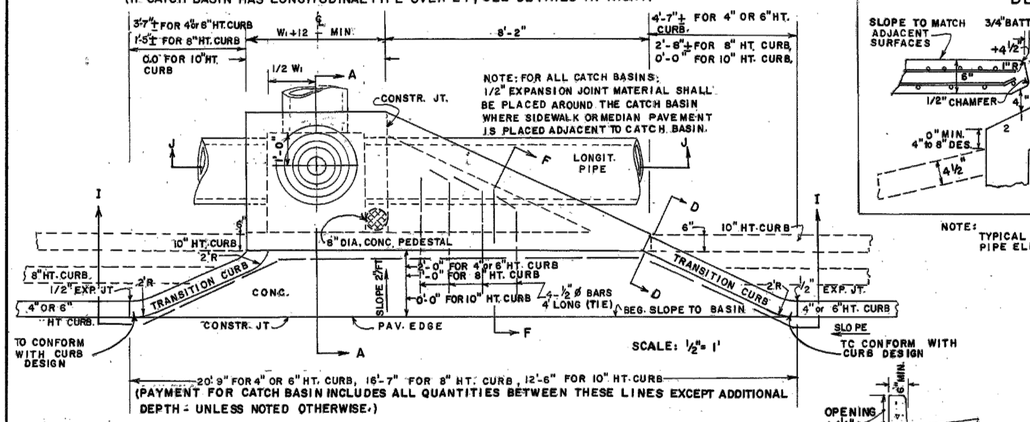
ACAD Rel: 19.1s (LMS Tech)
Filename: O:\73_WS\T-2\C-507 SITEWORK DETs.dwg
Last Saved: 10/1/2017 4:45 PM Saved By: SMajor

Plot Date: 10/1/2017 4:46 PM Plot By: SMajor Filename: O:\73_WS\T-2\C-507 SITEWORK DETs.dwg

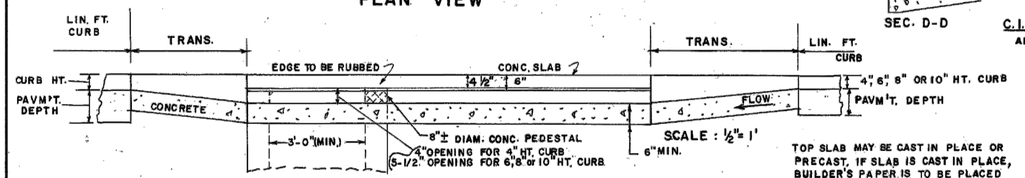
AF 21868

CATCH BASIN

(IF CATCH BASIN HAS LONGITUDINAL PIPE OVER 24", SEE DETAILS AT RIGHT)

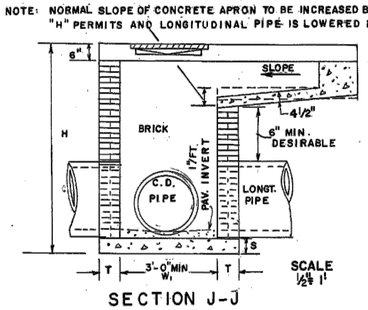


PLAN VIEW



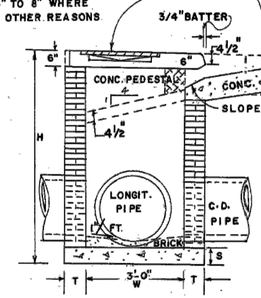
SECTION I-I

NOTE: NORMAL SLOPE OF CONCRETE APRON TO BE INCREASED BY 4" TO 8" WHERE "H" PERMITS AND LONGITUDINAL PIPE IS LOWERED FOR OTHER REASONS.

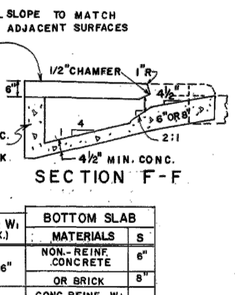


SCALE 1/2" = 1'

SECTION J-J

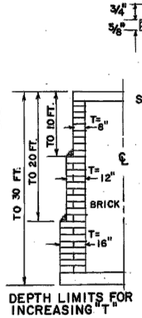


SECTION A-A



SECTION F-F

W OR W₁ (MAX.)	BOTTOM SLAB MATERIALS	S
TO 4'-6"	NON-REINF. CONCRETE	6"
	OR BRICK	8"
OVER 4'-6"	CONC. REINF. W/ #4 BARS 12" O.C. BOTH WAYS, 2"CL. FROM SLAB TOP	8"



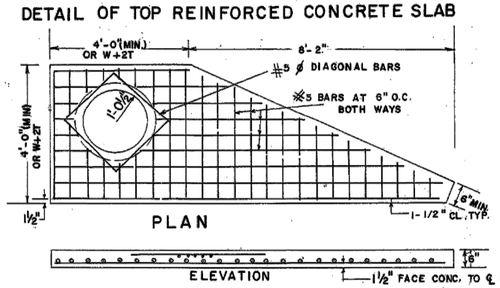
DEPTH LIMITS FOR INCREASING "T"

TYPICAL MAX. DIMENSIONS			
PIPE DIA.	H (MIN)	W OR W₁	Δ E
12	4'-4"	3'-0"	3'-1"
15	4'-7"	3'-0"	3'-4"
18	4'-10"	3'-0"	3'-7"
24	5'-6"	3'-0"	4'-2"
30	6'-2"	3'-7"	4'-10"
36	6'-10"	4'-6"	5'-5"
42	7'-4"	5'-3"	5'-9"
48	8'-0"	6'-0"	6'-4"
54	8'-6"	6'-8"	6'-10"
60	9'-2"	7'-4"	7'-5"

NOTE: THE MIN. H & MIN. Δ E GIVEN IN THE ABOVE TABLE ARE BASED UPON TYPICAL OUTSIDE DIAMETERS OF CONC. PIPE AND MAY BE VARIED, IF CONDITIONS PERMIT WITH THE VARIED DIMENSIONS SPECIFIED IN THE PLANS OR AS DIRECTED BY THE ENGINEER, W & W₁ DIMENSIONS DO NOT HAVE TO BE EQUAL.

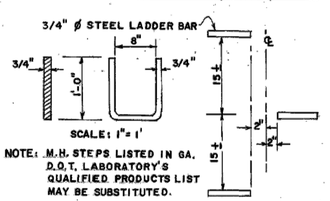
Δ E = MINIMUM DIFFERENCE IN ELEVATION FROM PAVEMENT EDGE TO FLOW LINE OF OUTLET PIPE.

DETAIL OF TOP REINFORCED CONCRETE SLAB



NOTE: ALL BARS IN PLAN VIEW ARE PLACED AT 6" O.C.

NOTE: FOR DETAIL OF REINFORCING STEEL IN TOP PORTION OF SLAB SEE PART PLAN @ TOP RIGHT.



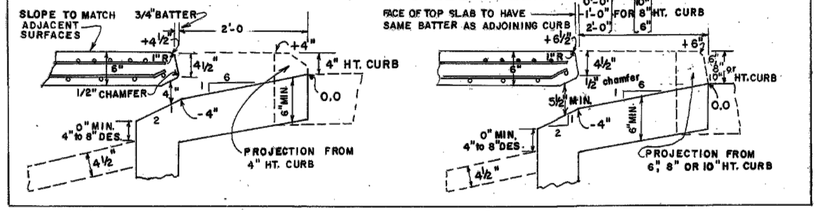
SCALE: 1"= 1'

NOTE: M.H. STEPS LISTED IN GA. D.O.T. LABORATORY'S QUALIFIED PRODUCTS LIST MAY BE SUBSTITUTED.

ALL CATCH BASINS WILL HAVE STEPS OR LADDER BARS. NUMBER & LOCATION TO BE AS DIRECTED BY THE ENGINEER.

DETAIL OF LADDER BARS

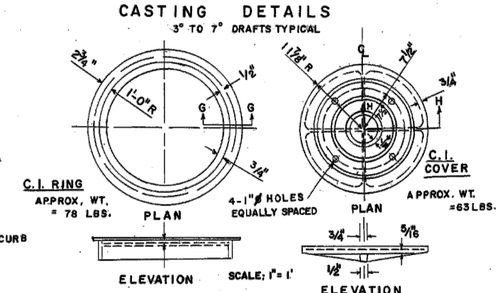
DETAIL OF TOP SLAB, REINF STEEL & CLEARANCES REQ'D.

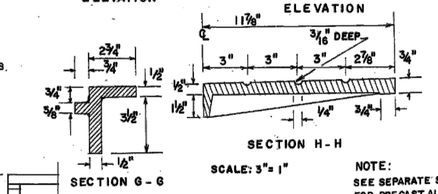


NOTE: TYPICAL TREATMENTS FOR SKEWED PIPE ARE : CIRCULAR PRECAST UNITS; PRECAST SWIVEL SECTIONS; PIPE ELBOWS OR INCREASED BOX SIZES TO ACCOMODATE THE SKEW.

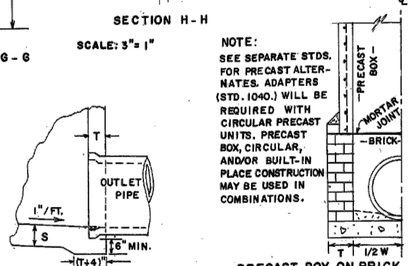
CASTING DETAILS

3° TO 7° DRAFTS TYPICAL





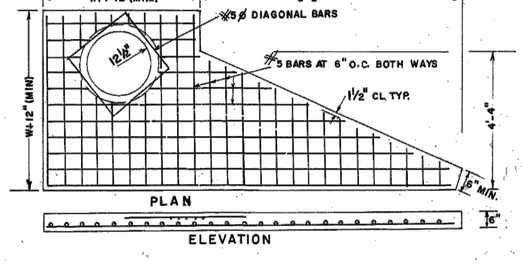
SCALE: 3"= 1"



ALTERNATE TO INVERT

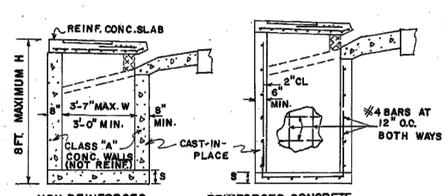
NOTE: SEE SEPARATE STDS. FOR PRECAST ALTERNATES. ADAPTERS (STD. 1040.) WILL BE REQUIRED WITH CIRCULAR PRECAST UNITS. PRECAST BOX, CIRCULAR, AND/OR BUILT-IN PLACE CONSTRUCTION MAY BE USED IN COMBINATIONS.

PRECAST BOX ON BRICK (HALF SECTION)



NOTE: PIPE SIZES, NUMBER, ALIGNMENT, & INVERTS SHOWN ARE ILLUSTRATIVE. SEE PLANS FOR SPECIFICS. INVERTS TO BE FORMED WITH GROUT OR CONCRETE AS DIRECTED BY THE ENGINEER OR AS SHOWN IN THE PLANS.

SEE SEPARATE STANDARDS FOR PRECAST ALTERNATES.

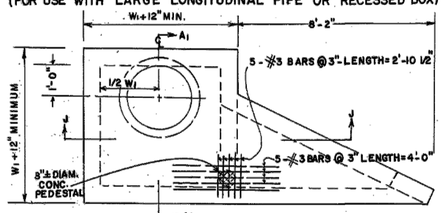


CONSTRUCTION ALTERNATES

NOTE: DETAILS NOT SHOWN ABOVE FOR CONCRETE CATCH BASINS WILL BE SIMILAR TO THOSE SHOWN FOR BRICK CATCH BASINS.

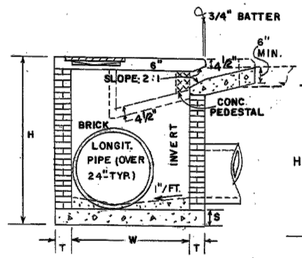
CATCH BASIN (WITH PROTRUDED BACK)

(FOR USE WITH LARGE LONGITUDINAL PIPE OR RECESSED BOX)



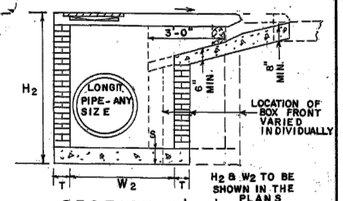
PART PLAN

NOTE: DETAILS NOT SHOWN HERE WILL BE SIMILAR TO THESE AT FAR LEFT FOR NORMAL CATCH BASIN.



SECTION A'-A'
(FOR LARGE LONGITUDINAL PIPE)

NOTE: RECESSED BOX TO BE USED ONLY WHERE SPECIFIED IN THE PLANS. LONGIT. PIPE OR UNDERGROUND OBSTRUCTION TYPICAL.



SECTION A'-A'
(FOR RECESSED BOX)

NOTE:
PIPE SIZES, NUMBER, ALIGNMENT, & INVERTS SHOWN ARE ILLUSTRATIVE. SEE PLANS FOR SPECIFICS. INVERTS TO BE FORMED WITH GROUT OR CONCRETE AS DIRECTED BY THE ENGINEER OR AS SHOWN IN THE PLANS.

SEE SEPARATE STANDARDS FOR PRECAST ALTERNATES.

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

DEPARTMENT OF TRANSPORTATION

STATE OF GEORGIA

STANDARD

CATCH BASINS

FOR USE WITH HEADER OR INTEGRAL CURBS
4, 6", 8" & 10" HEIGHTS

SCALE AS SHOWN — REV. & REDR. AUGUST, 1982

REV. & REDR. R.M.U.	(SUBMITTED) Howard E. Hardy STATE ROAD & AIRPORT DESIGN ENGR.	NUMBER 1033
TRA. & M.E.		
CHK. R.K.C.	(APPROVED) Thomas D. Wakeford STATE HIGHWAY ENGINEER	

REGISTERED GEORGIA — No. PE1610 PROFESSIONAL ENGINEER — Susan U. Wang

CITY OF ATLANTA DEPARTMENT OF watershed management

JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

jp²

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

STANDARD DETAILS

SWCB CATCH BASIN

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	10/2/2017

PROJECT NO: 7383-E
DESIGNED BY: CWM
DRAWN BY: JC
CHECKED BY: BS
DATE: 10-2-2017
SCALE: NOTED

DRAWING NO.
C-508

SHEET OF

Know what's below. Call before you dig.

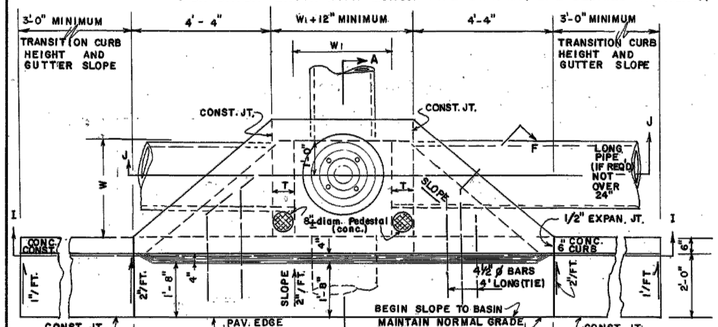
ACAD Rel: 19.1s (LMS Tech)
Filename: O:\73_WS\T-2\C-508 SWCB.dwg
Last Saved: 5/9/2017 5:06 PM Saved By: NPerrone

Plot Date: 10/1/2017 4:52 PM Plot By: SMajor Filename: O:\73_WS\T-2\C-508 SWCB.dwg

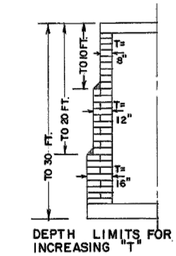
AP 21868

CATCH BASIN

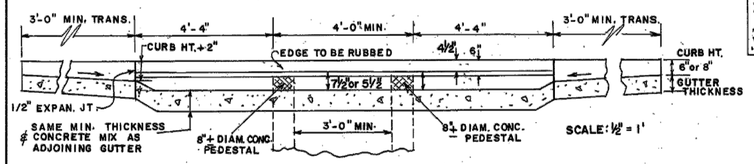
(FOR CATCH BASIN WITH LONGIT. PIPE OVER 24", SEE DETAILS AT RIGHT.)

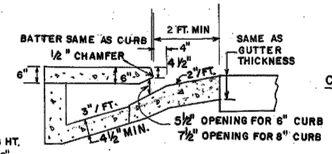


NOTE: 12'-8" (MIN.) - PAYMENT FOR CATCH BASIN INCLUDES ALL QUANTITIES BETWEEN THESE LINES EXCEPT ADDITIONAL DEPTH FOR BASIN (UNLESS OTHERWISE NOTED IN THE PLANS)



DEPTH LIMITS FOR INCREASING "T"

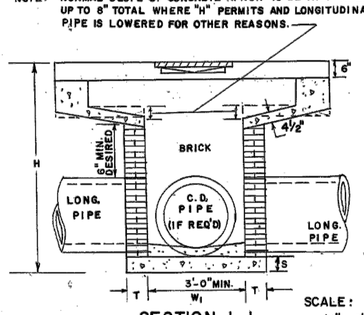




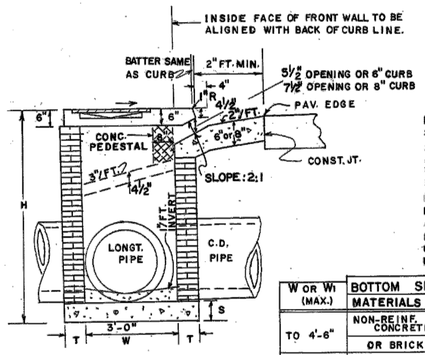
SECTION F-F

SECTION I-I

NOTE: NORMAL SLOPE OF CONCRETE APRON TO BE INCREASED UP TO 8" TOTAL WHERE "H" PERMITS AND LONGITUDINAL PIPE IS LOWERED FOR OTHER REASONS.



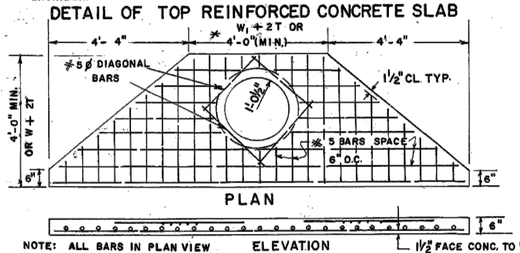
SECTION J-J SCALE: ½" = 1'



SECTION A-A

NOTE: PIPE SIZES, NUMBER, ALIGNMENT AND INVERTS SHOWN ARE ILLUSTRATIVE. SEE PLANS FOR SPECIFICS. INVERTS TO BE FORMED WITH GROUT OR CONC. AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER.

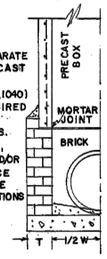
DETAIL OF TOP REINFORCED CONCRETE SLAB



NOTE: ALL BARS IN PLAN VIEW ARE SPACED AT 6" O.C. NOTE: FOR PLAN DETAIL OF REINFORCING STEEL IN TOP PORTION OF SLAB, SEE PART PLAN AT TOP RIGHT.

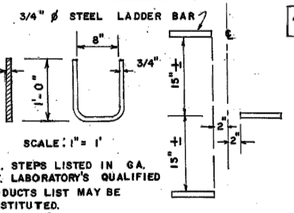
NOTE: TOP SLAB MAY BE CAST IN PLACE OR PRECAST. IF CAST IN PLACE, BUILDER'S PAPER IS TO BE PLACED BETWEEN THE CATCH BASIN AND TOP SLAB.

W or W1 (MAX.)	BOTTOM SLAB MATERIALS	"S"
TO 4'-6"	NON-REINF. CONCRETE	6"
	OR BRICK	8"
OVER 4'-6"	CONC. REINF. W1 4 BARS 12" O.C. BOTH WAYS 2" CL. FROM SLAB TOP	8"



NOTE: SEE SEPARATE STDS. FOR PRECAST ALTERNATES. ADAPTERS (STD. 1040) WILL BE REQUIRED WITH CIRCULAR PRECAST UNITS. PRECAST BOX, CIRCULAR, AND/OR BUILT-IN-PLACE CONSTR. MAY BE USED IN COMBINATIONS

PRECAST BOX ON BRICK (HALF-SECTION)



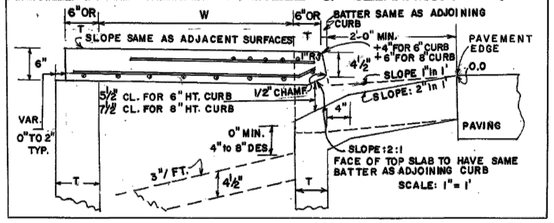
SCALE: 1" = 1'

NOTE: M.H. STEPS LISTED IN GA. D.O.T. LABORATORY'S QUALIFIED PRODUCTS LIST MAY BE SUBSTITUTED.

ALL CATCH BASINS WILL HAVE STEPS OR LADDER BARS. NUMBER & LOCATION TO BE AS DIRECTED BY THE ENGINEER.

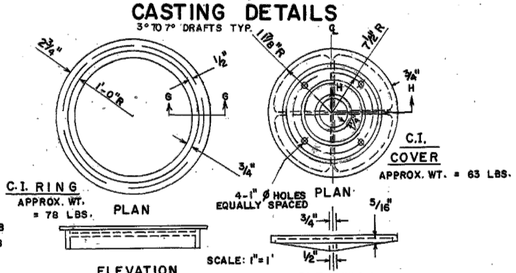
DETAIL OF LADDER BARS

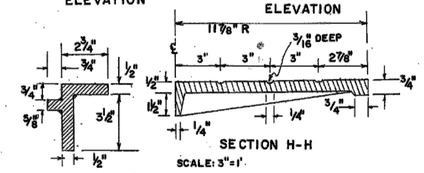
DETAIL OF TOP STAB REINF. STEEL & CLEARANCES REQ'D.



CASTING DETAILS

3° TO 7° DRAFTS TYP.

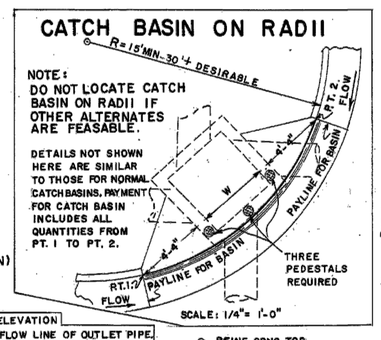


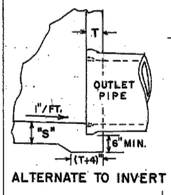


SECTION H-H SCALE: 3" = 1'

SECTION G-G

CATCH BASIN ON RADII



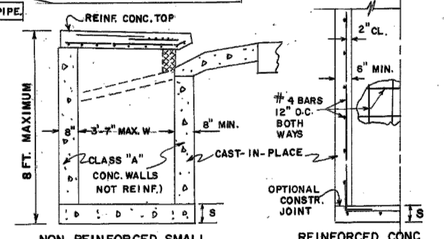


ALTERNATE TO INVERT

△E = MINIMUM DIFFERENCE IN ELEVATION FROM PAVEMENT EDGE TO FLOW LINE OF OUTLET PIPE.

TYPICAL MIN. DIMENSIONS			
PIPE DIA.	H (MIN.)	W or W1	MIN. △E
12	4'-4"	3'-0"	3'-3"
15	4'-7"	3'-0"	3'-6"
18	4'-10"	3'-0"	3'-9"
24	5'-6"	3'-0"	4'-4"
30	6'-2"	3'-7"	5'-0"
36	6'-10"	4'-6"	5'-7"
42	7'-4"	5'-3"	5'-11"
48	8'-0"	6'-0"	6'-6"
54	8'-6"	6'-8"	7'-0"
60	9'-2"	7'-4"	7'-7"

NOTE: THE MIN. H & MIN. △E GIVEN IN ABOVE TABLE ARE BASED UPON TYPICAL OUTSIDE DIAMETERS OF CONC. PIPE AND MAY BE VARIED, IF CONDITIONS PERMIT WITH VARIED DIMENSIONS SPECIFIED IN THE PLANS OR DIRECTED BY THE ENGINEER. W & W1 DIMENSIONS DO NOT HAVE TO BE EQUAL.



NON REINFORCED SMALL BASIN (W1 NOT OVER 3'-7")

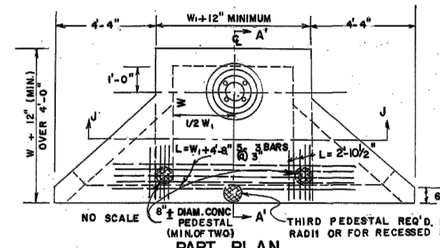
REINFORCED CONC. HALF-SECTION.

NOTE: DETAILS NOT SHOWN ABOVE FOR CONSTRUCTION ALTERNATES WILL BE SIMILAR TO BRICK CATCH BASIN DETAILS.

CONSTRUCTION ALTERNATES

CATCH BASIN (WITH PROTUDED BACK)

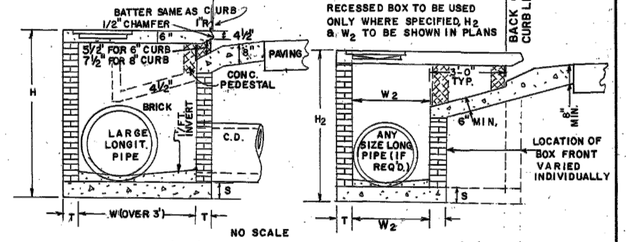
FOR USE WITH LONGITUDINAL PIPE OVER 24" OR FOR USE WITH RECESSED BOX



NOTE: DETAILS NOT SHOWN HERE WILL BE SIMILAR TO THOSE AT FAR LEFT FOR NORMAL CATCH BASINS.

PART PLAN

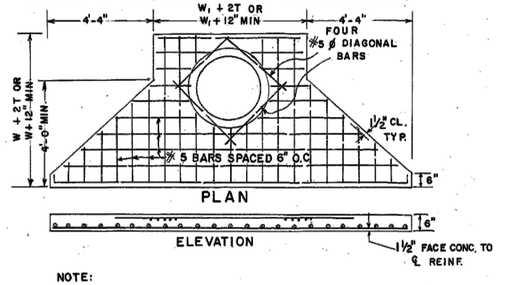
NOTE: RECESSED BOX TO BE USED ONLY WHERE SPECIFIED. H2 & W2 TO BE SHOWN IN PLANS



SECTION A'-A' (FOR LONGIT. PIPE OVER 24")

SECTION A'-A' (FOR RECESSED BOX)

DETAIL OF TOP REINFORCED CONCRETE SLAB



NOTE: TYPICAL TREATMENT FOR SKEWED PIPES ARE: CIRCULAR PRECAST UNITS; PRECAST SWIVEL SECTIONS; PIPE ELBOWS OR INCREASED BOX SIZES TO ACCOMODATE THE SKEWS.

SEE SEPARATE STANDARDS FOR PRECAST ALTERNATES.

DEPARTMENT OF TRANSPORTATION

STATE OF GEORGIA

STANDARD

CATCH BASINS

FOR USE WITH CURB (6" OR 8" HT.) & GUTTER (IN SAGS OR LOW POINTS)

SCALE AS SHOWN REV. & RED. AUGUST, 1982

REV. & REDR. R.M.J. TRA. G.M.F. CHK. R.K.C.

(SUBMITTED) Floyd E. Hardy STATE ROAD & AIRPORT DESIGN ENGR.

(APPROVED) Thomas D. Moore STATE HIGHWAY ENGINEER

NUMBER 1034D

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. PE16710 SUSAN U. MAJOR

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

STANDARD DETAILS

DWCB CATCH BASIN

watershed management

JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

jp²

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	10/2/2017

PROJECT NO: 7383-E
DESIGNED BY: CWM
DRAWN BY: JC
CHECKED BY: BS
DATE: 10-2-2017
SCALE: NOTED

DRAWING NO. C-509

SHEET OF

Know what's below. Call before you dig.

ACAD Rel: 19.1s (LMS Tech)
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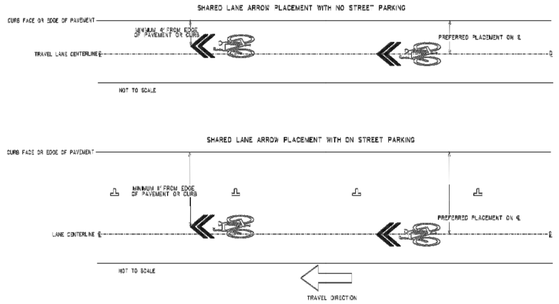
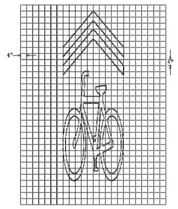
Last Saved: 10/1/2017 5:02 PM Saved By: SMajor

Plot Date: 10/1/2017 5:04 PM Plot By: SMajor Filename: O:\73_WS\T-2\C-509 DWCB.dwg

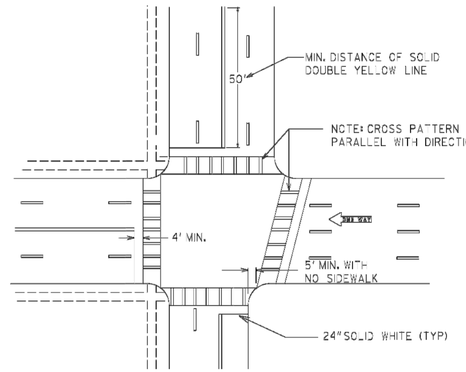




BIKE SHARED LANE SYMBOL

GENERAL NOTES:
1. SHARED LANE MARKINGS SHALL BE PLACED ON THE FAR SIDE OF EACH INTERSECTION 4 FEET BEYOND THE CROSS WALK OR END OF INTERSECTING ROAD RADII. ADDITIONAL SYMBOLS SHOULD BE PLACED NOT GREATER THAN EVERY 250 FEET THEREAFTER.
2. SHARED LANE MARKINGS SHALL NOT BE PLACED ON SHOULDERS OR IN DESIGNATED BIKE LANES.
3. ALL SHARED BICYCLE LANE PAVEMENT SYMBOLS SHALL BE HOT APPLIED PREFORMED PLASTIC (THERMOPLASTIC - 90% FOR BOTH ASPHALT AND CONCRETE PAVEMENTS.
4. FOR ADDITIONAL INFORMATION REFER TO MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION, AND AASHTO GUIDE FOR THE DEVELOPMENT OF BICYCLE FACILITIES, CURRENT EDITION.

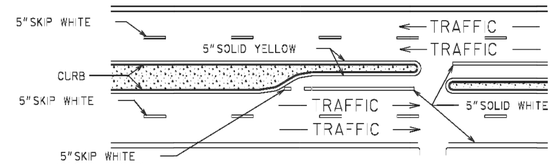
BIKE ROAD DETAILS
NTS



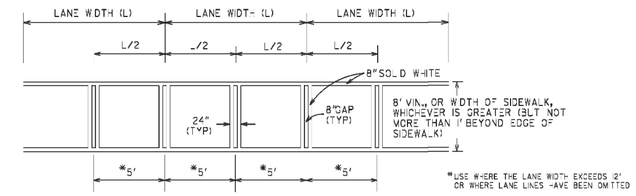
TYPICAL LOCATION OF CROSSWALKS AND STOP BARS

GENERAL NOTES:
1. SPACING BETWEEN DOUBLE LINES SHALL BE EQUAL TO THE LINE WIDTH.
2. EDGE LINES SHALL BE PLACED A MINIMUM OF 4 INCHES FROM THE NORMAL EDGE OF PAVEMENT.
3. CONTRAST MARKINGS FOR SKIP STRIPING SHALL BE AS SHOWN IN DETAIL "HB".

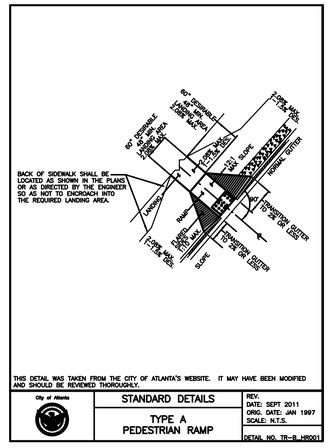
CONSTRUCTION ROAD DETAILS
NTS



DIVIDED HIGHWAY WITH RAISED MEDIAN

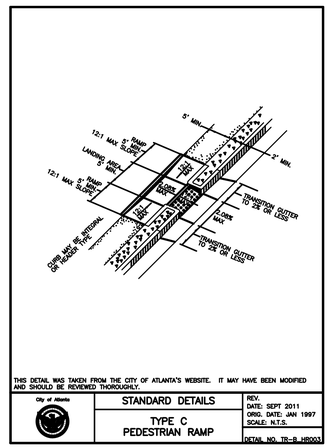


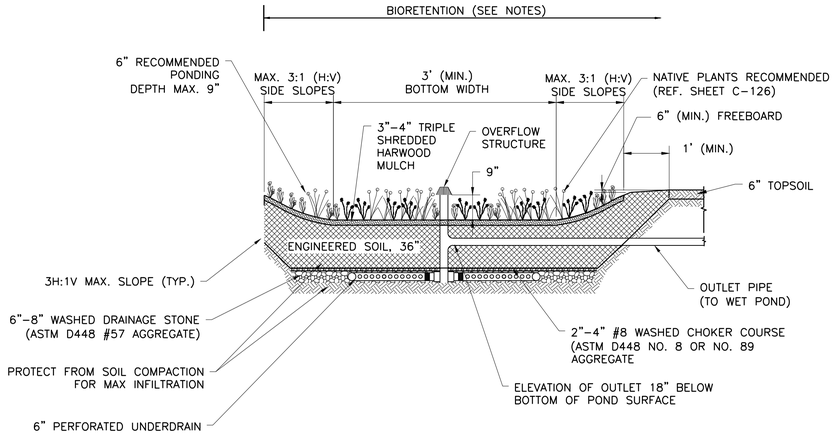
CROSSWALK DETAIL



THIS DETAIL WAS TAKEN FROM THE CITY OF ATLANTA'S WEBSITE. IT MAY HAVE BEEN MODIFIED AND SHOULD BE REVIEWED THOROUGHLY.

STANDARD DETAILS	REV. DATE: SEPT 2011 ORIG. DATE: JAN 1997 SCALE: N.T.S.
TYPE A PEDESTRIAN RAMP	DETAIL NO. TR-B.HR001


5' MIN.
12:1 MAX. SLOPE
LANDING AREA 5' MIN.
12:1 MAX. SLOPE
2.08% MAX.
2.08% MAX.
4" CURB MIN.
4" CURB MIN.
CURB RAMP
CURB RAMP
2.08% MAX. SLOPE
2.08% MAX. SLOPE
CURB RAMP
CURB RAMP
4" CURB MIN.
4" CURB MIN.
TRANSITION GUTTER 10' OR LESS
TRANSITION GUTTER 10' OR LESS
SLOPE
SLOPE
CURB RAMP
CURB RAMP
4" CURB MIN.
4" CURB MIN.
CURB RAMP
CURB RAMP
2.08% MAX. SLOPE
2.08% MAX.



2
–

BIORETENTION CELL TYPICAL DETAIL

NOT TO SCALE

BIORETENTION NOTES:

1. WOODY VEGETATION SHALL NOT BE PLANTED WITHIN TWO FEET OF INFLOW OR OUTFLOW STRUCTURES.
2. ENGINEERED SOIL MIX SHALL BE 36" DEEP, REFER TO SPECIFICATIONS FOR REQUIREMENTS OF ENGINEERED SOIL MIX. GREATER DEPTH OF ENGINEERED SOIL MAY BE NEEDED DEPENDING ON PLANT TYPE AND SPECIFICATIONS.
3. GRAVEL AND PERFORATED PIPE UNDERDRAIN SYSTEM
   A. DRAINAGE STONE: 6"-8" LAYER ASTM D448 SIZE NO. 57 WASHED STONE AND SHOULD BE SEPARATED BY A THIN 2" TO 4" LAYER OF CHOKER STONE (ASTM D448 SIZE NO. 8, 3/8" TO 1/8" OR ASTM D 448 SIZE NO. 89. 3/8" TO 1/16").
   B. PERFORATED PIPE: 6" PERFORATED HDPE (AASHTO M 252), 3/8" PERFORATION SPACED 6 FEET ON CENTER. NO SOCK PIPES SHALL BE PERMITTED.
   C. NON-WOVEN SEPARATION GEOTEXTILE MAY BE UTILIZED ON THE SIDE SURFACE INTERFACES ONLY.
4. INSTALLATION OF ENGINEERED SOIL MIX MUST BE COMPLETED IN A MANNER THAT WILL ENSURE PRESERVATION OF THE INFILTRATIVE CAPACITY OF 0.5 IN/HR OF THE ENGINEERED SOIL MIX. THE MOISTURE CONTENT OF THE SOIL SHALL BE LOW ENOUGH TO PREVENT CLUMPING AND COMPACTION DURING PLACEMENT.
5. TO PREVENT COMPACTION WITHIN THE LIMITS OF THE BASINS, ONLY HAND LABORERS, SMALL EXCAVATION HOES WITH WIDE TRACKS, LIGHT EQUIPMENT WITH TURF TIES, MARSH EQUIPMENT OR WIDE-TRACK LOADERS MAY BE USED. NO HEAVY EQUIPMENT SHALL BE USED WITHIN 10 FEET OF THE PERIMETER OF THE BIORETENTION FACILITY BEFORE, DURING, OR AFTER THE PLACEMENT OF THE BIORETENTION SOIL MIX.
6. SOIL SURFACES SHALL BE SCARIFIED TO AERATE AND REDUCE SOIL COMPACTION. SOIL SHALL BE PLACED IN 6" LOOSE DEPTH LIFTS AND LIGHTLY HAND-TAMPED OR COMPACTED WITH A WATER-FILLED LANDSCAPE ROLLER, TO REDUCE POTENTIAL FOR EXCESSIVE SETTLING. NO OTHER MECHANICAL EQUIPMENT SHALL BE USED TO COMPACT THE ENGINEERED SOIL MIX OR UNDERLYING SOILS.
7. LOOSEN SUBGRADE SOILS THAT HAVE BEEN COMPACTED OR SMEARED BY RAKING, DISKING OR TILLING TO A MINIMUM DEPTH OF 6". SUBSOILS SHALL BE SCARIFIED (NOT COMPACTED) PRIOR TO PLACEMENT OF CLEAN, WASHED DRAINAGE STONE.
8. UNIFORMLY GRADE BIORETENTION SOIL MIX TO ACHIEVE A SMOOTH SURFACE. DO NOT OVER-WORK OR EXCESSIVELY COMPACT BIORETENTION SOIL MIX. GRADE TO CROSS SECTIONS, THICKNESS AND ELEVATIONS INDICATED ON PLANS. SETTLING OF SOIL BY WALKING ON SURFACE, WORKING WITH HAND OR LOW GROUND PRESSURE EQUIPMENT IS ACCEPTABLE.
9. DURING EXCAVATION, HEAVY MACHINERY SHALL NOT DRIVE OVER EXPOSED UNDERLYING SOILS.
10. EXCAVATE IN DRY CONDITIONS AS MUCH AS PRACTICABLE.
11. EXCAVATE FINAL 9" TO 12" WITH TEETH OF BUCKET (DO NOT SMEAR).
12. REFER TO SHEET C-127 FOR PLANT SELECTION SIZES AND SPECIES INFORMATION.

GEORGIA REGISTERED No. PE031717 PROFESSIONAL ENGINEER TRICIA H. HAYES 9/29/17

CITY OF ATLANTA DEPARTMENT OF watershed management
JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

BIORETENTION DETAILS

No.	Description	Date

PROJECT NO: 7832-E
DESIGNED BY: KKP
DRAWN BY: NO/ARC
CHECKED BY: THH
DATE:
SCALE:

DRAWING NO.
C-514

SHEET

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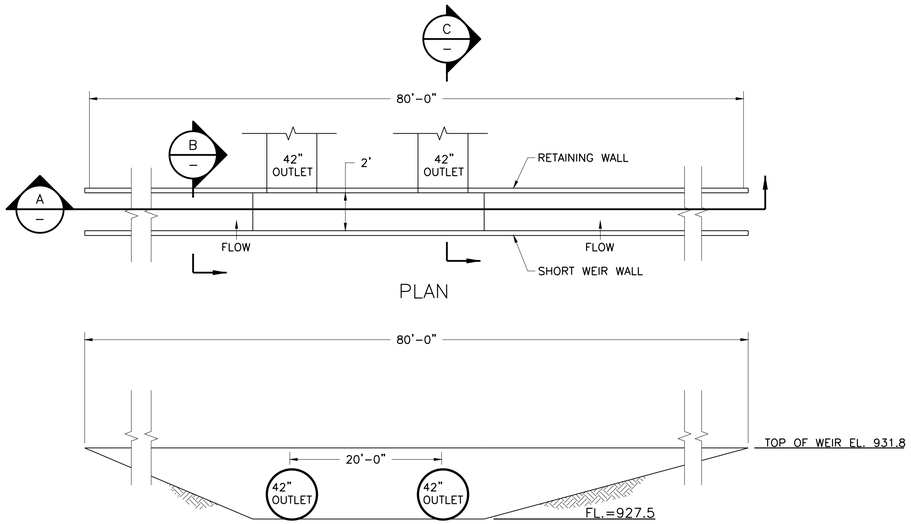


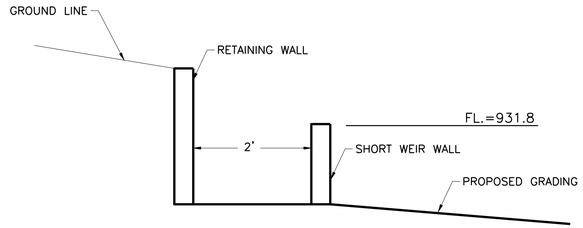
PLAN

SECTION A–A

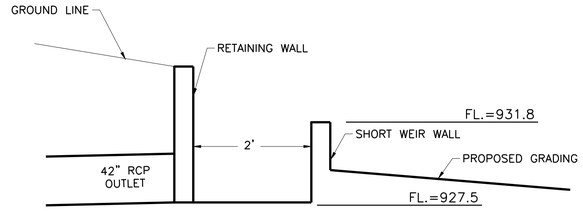
NOTE:

1. REFER TO SHEET S-202 FOR STRUCTURAL DETAILS OF THE OVERFLOW WEIR.

1 – OVERFLOW WEIR SCHEMATIC
NOT TO SCALE



B – SECTION B–B
NOT TO SCALE



B – SECTION C–C
NOT TO SCALE

GEORGIA REGISTERED No. PE031717 PROFESSIONAL ENGINEER TRICIA H. HATHAWAY 10/23/17

CITY OF ATLANTA DEPARTMENT OF watershed management
JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

MISCELLANEOUS DETAILS

No.	Description	Date
1	REV 1 – Issued for Construction	10/23/2017

PROJECT NO: 7832-E
DESIGNED BY: KKP
DRAWN BY: NO/ARC
CHECKED BY: THH
DATE:
SCALE:

DRAWING NO.
C-515

SHEET

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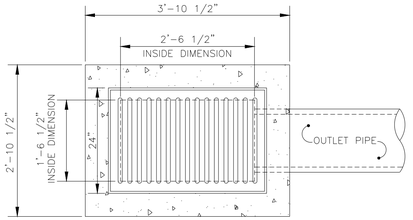
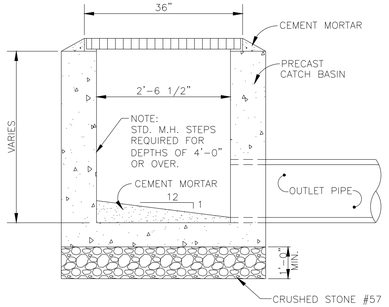
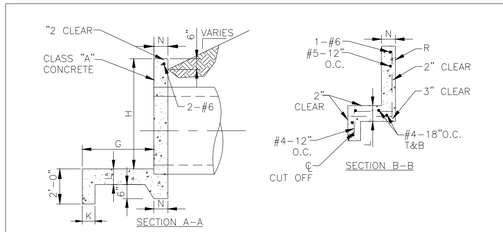


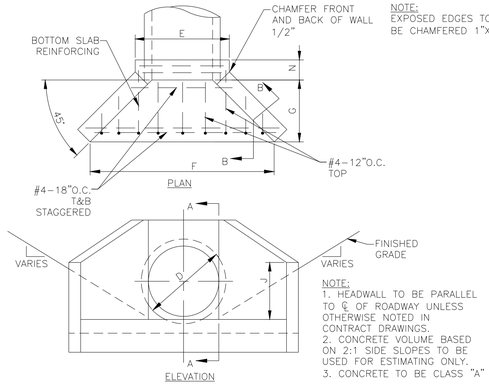
NOTE:
INLET STRUCTURE STRUCTURAL DESIGN SHALL CONFORM TO ACI 318. DESIGN SHALL INCLUDE HS20 TRAFFIC LOADING.



THIS DETAIL WAS TAKEN FROM THE CITY OF ATLANTA'S WEBSITE. IT MAY HAVE BEEN MODIFIED AND SHOULD BE REVIEWED THOROUGHLY.

City of Atlanta	STANDARD DETAILS	REV. DATE: SEPT 2011 ORIG. DATE: NOV 2004 SCALE: N.T.S.
	STANDARD DROP INLET	DETAIL NO. SW-G_DI001A





NOTE:
EXPOSED EDGES TO BE CHAMFERED 1"X1"

NOTE:
1. HEADWALL TO BE PARALLEL TO ℄ OF ROADWAY UNLESS OTHERWISE NOTED IN CONTRACT DRAWINGS.
2. CONCRETE VOLUME BASED ON 2:1 SIDE SLOPES TO BE USED FOR ESTIMATING ONLY.
3. CONCRETE TO BE CLASS "A"

THIS DETAIL WAS TAKEN FROM THE CITY OF ATLANTA'S WEBSITE. IT MAY HAVE BEEN MODIFIED AND SHOULD BE REVIEWED THOROUGHLY.

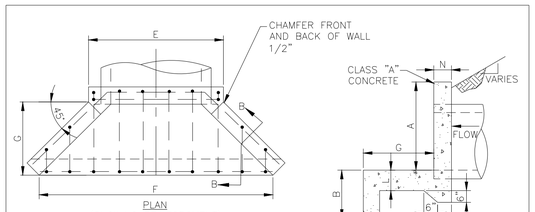
City of Atlanta	STANDARD DETAILS	REV. DATE: SEPT 2011 ORIG. DATE: JULY 1984 SCALE: N.T.S.
	STANDARD HEADWALL SHEET 1 OF 2	DETAIL NO. SW-G_HW002

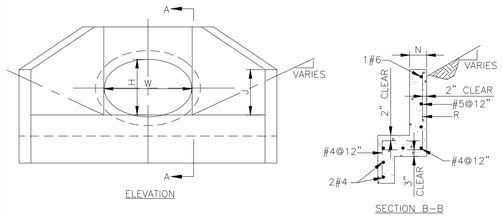
D	E	F	G	H	J	K	L	N	R	N
18"	3'-0"	7'-6"	3'-0"	3'-0"	2'-0"	8"	8"	8"	#5-12"O.C.	1.70
21"	3'-4"	7'-9"		3'-3"	2'-0"					1.80
24"	3'-8"	8'-0"	3'-0"	3'-6"	2'-0"	8"	8"	8"	#5-12"O.C.	1.90
27"	3'-11"	8'-3"		3'-9"	2'-0"					2.00
30"	4'-2"	8'-6"	3'-0"	4'-0"	2'-1"±	8"	8"	10"	#5-12"O.C.	2.85
36"	4'-8"	10'-0"	3'-6"	4'-6"	2'-3"	8"	10"	10"	#5-12"O.C.	3.15
42"	5'-3"	11'-6"	4'-0"	5'-0"	2'-9"	8"	10"	10"	#5-12"O.C.	3.87
48"	5'-10"	13'-0"	4'-6"	5'-6"	3'-0"	8"	10"	10"	#5-12"O.C.	5.08
54"	6'-5"	14-6"	5'-0"	6'-0"	3'-3"	9"	12"	12"	#6-8"O.C.	6.50
60"	7'-0"	16'-0"	5'-6"	6'-6"	3'-6"	9"	12"	12"	#6-8"O.C.	7.98
66"	7'-7"	17'-6"	6'-0"	7'-0"	3'-9"	9"	12"	14"	#6-8"O.C.	9.14
72"	8'-2"	19'-0"	6'-6"	7'-6"	4'-3"	9"	12"	14"	#6-8"O.C.	11.10

* BASED ON 2:1 CHANNEL SIDE SLOPES

THIS DETAIL WAS TAKEN FROM THE CITY OF ATLANTA'S WEBSITE. IT MAY HAVE BEEN MODIFIED AND SHOULD BE REVIEWED THOROUGHLY.

City of Atlanta	STANDARD DETAILS	REV. DATE: SEPT 2011 ORIG. DATE: JULY 1984 SCALE: N.T.S.
	STANDARD HEADWALL SHEET 2 OF 2	DETAIL NO. SW-G_HW002





NOTE:
1. CHAMFER EXPOSED EDGES 1"X1"
2. CONCRETE QUANTITIES TO BE USED FOR ESTIMATING ONLY.
3. HEADWALL TO BE PARALLEL TO ℄ OF ROADWAY.
4. CONCRETE TO BE CLASS "A", 3000 P.S.I. COMPRESSIVE STRENGHT.

THIS DETAIL WAS TAKEN FROM THE CITY OF ATLANTA'S WEBSITE. IT MAY HAVE BEEN MODIFIED AND SHOULD BE REVIEWED THOROUGHLY.

City of Atlanta	STANDARD DETAILS	REV. DATE: SEPT 2011 ORIG. DATE: JULY 1984 SCALE: N.T.S.
	TYPE E HEADWALL SHEET 1 OF 2	DETAIL NO. SW-G_HW006

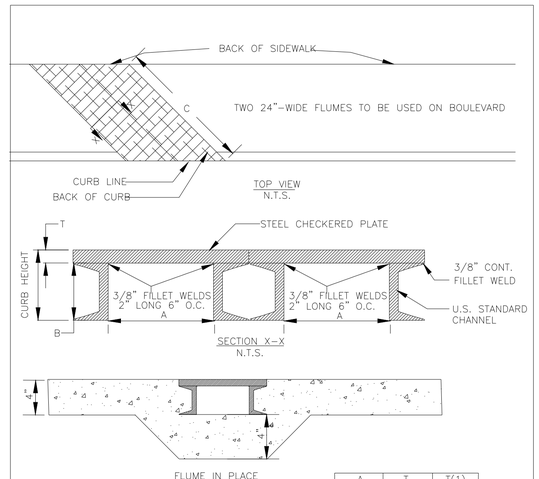
EQ.RD.	W	H	A	B	E	F	G	J	K	L
36"	45"	29"	3'-9"	2'-0"	5'-6"	9'-9"	3'-0"	2'-0"	8"	10"
42"	53"	34"	4'-3	2'-0"	6'-3"	11'-5"	3'-6"	2'-3"	8"	10"
48"	60"	38"	4'-8"	2'-0"	7'-0"	12'-4"	3'-8"	2'-6"	8"	10"
54"	68"	43"	5'-1"	2'-0"	7'-8"	13'-8"	4'-0"	2'-9"	9"	12"
60"	76"	48"	5'-6"	2'-0"	8'-5"	15'-4"	4'-6"	3'-0"	9"	12"
66"	83"	53"	6'-0"	2'-0"	9'-1"	17'-0"	5'-0"	3'-3"	9"	12"
72"	91"	58"	6'-6"	2'-0"	9'-10"	18'-3"	5'-4"	3'-6"	9"	12"

*BASED ON 2:1 SIDE SLOPES

N	R	CONC. CY.
8"	#5@12"	2.17
10"	#5@12"	2.99
10"	#5@12"	3.38
10"	#5@12"	4.53
10"	#5@12"	5.32
12"	#6@8"	7.07
12"	#6@8"	7.88

THIS DETAIL WAS TAKEN FROM THE CITY OF ATLANTA'S WEBSITE. IT MAY HAVE BEEN MODIFIED AND SHOULD BE REVIEWED THOROUGHLY.

City of Atlanta	STANDARD DETAILS	REV. DATE: SEPT 2011 ORIG. DATE: JULY 1984 SCALE: N.T.S.
	TYPE E HEADWALL SHEET 2 OF 2	DETAIL NO. SW-G_HW006



NOTE:
1. ALL MATERIAL NEW STRUCTURAL STEEL.
2. MATERIAL AND WORKMANSHIP TO BE OF BEST QUALITY AND SUBJECT TO THE APPROVAL OF THE DEPT. OF PUBLIC WORKS.
3. ENDS TO BE: _ SQUARE
_ SKEWED TO RIGHT AS SHOWN ABOVE.
_ SKEWED TO LEFT AS SHOWN ABOVE.

A	T	T(1)
12"	3/8"	1/2"
15"	3/8"	9/16"
18"	7/16"	5/8"
21"	1/2"	3/4"
24"	9/16"	13/16"

NOTE: "T" FOR PEDESTRIAN TRAFFIC ONLY

DIMENSIONS: A= _____, B= _____
C= _____, T= _____

THIS DETAIL WAS TAKEN FROM THE CITY OF ATLANTA'S WEBSITE. IT MAY HAVE BEEN MODIFIED AND SHOULD BE REVIEWED THOROUGHLY.

City of Atlanta	STANDARD DETAILS	REV. DATE: SEPT 2011 ORIG. DATE: JAN 1997 SCALE: N.T.S.
	STANDARD SIDEWALK FLUME	DETAIL NO. TR-B_SW009

GEORGIA REGISTERED No. PE027177 PROFESSIONAL ENGINEER TRICIA H. HAY 9/29/17

CITY OF ATLANTA DEPARTMENT OF watershed management

JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

jp2 WATER • STORMWATER • MARINE

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

CITY OF ATLANTA MISCELLANEOUS DETAILS

No.	Description	Date

PROJECT NO: 7832-E
DESIGNED BY: KKP
DRAWN BY: NO/ARC
CHECKED BY: TTH
DATE:
SCALE:

DRAWING NO.
C-515B

SHEET

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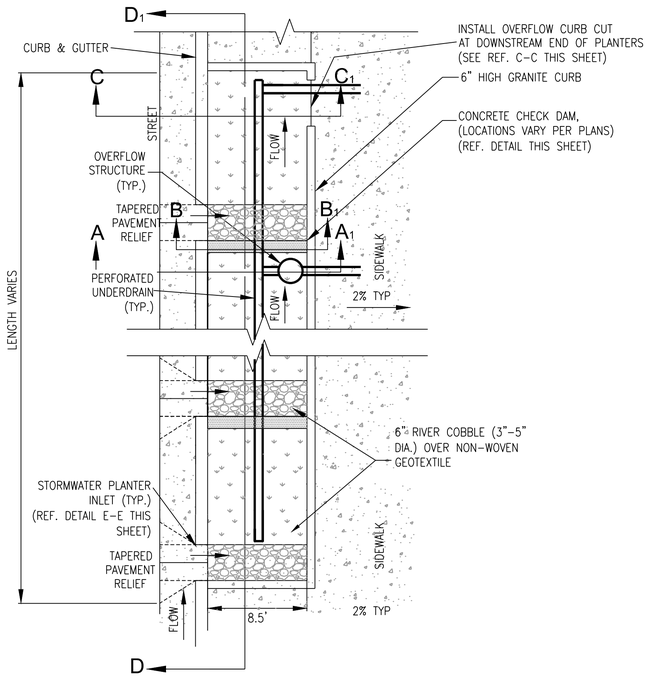
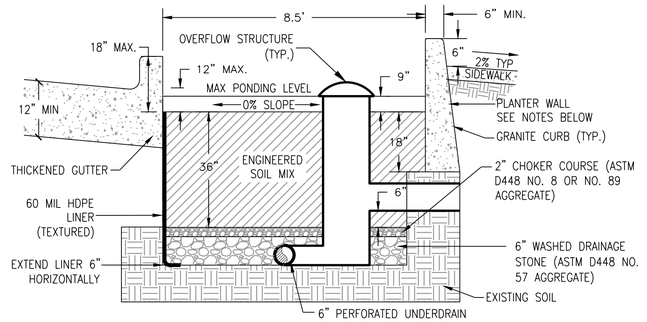


STORMWATER PLANTER
NOT TO SCALE

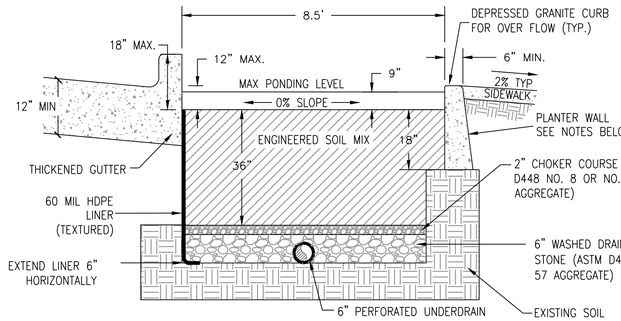


NOTES:
1. PLANTER WALL SHALL BE 3' MINIMUM HEIGHT FOR PLANTERS AGAINST SIDEWALKS.
2. SPECIAL DESIGN CONSIDERATIONS OR STRUCTURAL REVIEW MAY BE REQUIRED FOR LONGER PLANTER WALL SPANS. STEEL REINFORCEMENT OR ADDITIONAL CONCRETE CHECK DAMS MAY BE NEEDED FOR STABILITY.
3. MAINTAIN 1:6 BATTER FOR CURB AND 4" MINIMUM TO TOP OF CURB. WIDTH OF BOTTOM OF CURB WILL VARY WITH HEIGHT.

SECTION A-A1
(TYPICAL SECTION)
NOT TO SCALE

NOTES FOR STORMWATER PLANTERS:

1. LONGITUDINAL SLOPES OF CURBS SURROUNDING PLANTER SHALL MATCH ROADWAY. TOP SURFACE OF PLANTERS SHALL BE A MAXIMUM DEPTH OF 18" BELOW SURROUNDING CURB AT DEEPEST POINT.
2. CROSS SLOPES SHOULD ALWAYS BE AS CLOSE TO LEVEL (0% SLOPE) AS POSSIBLE.
3. CURBS, GUTTERS, STREETS, AND SIDEWALKS SHALL CONFORM TO CITY OF ATLANTA STANDARDS.
4. SIDEWALK ELEVATION MUST BE HIGHER THAN MAXIMUM FLOW OR POOL ELEVATION.



NOTES:
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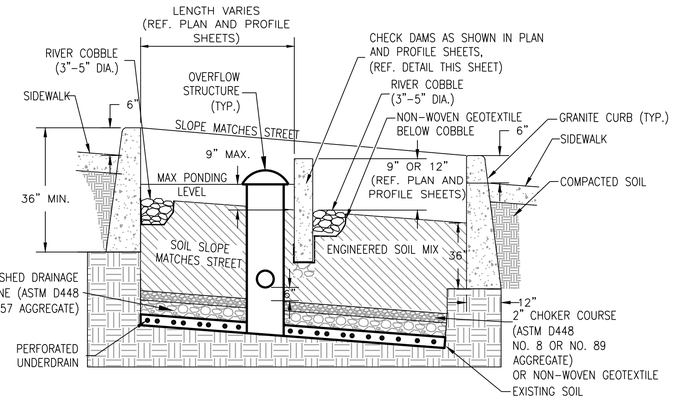
2. SPECIAL DESIGN CONSIDERATIONS OR STRUCTURAL REVIEW MAY BE REQUIRED FOR LONGER PLANTER WALL SPANS. STEEL REINFORCEMENT OR ADDITIONAL CONCRETE CHECK DAMS MAY BE NEEDED FOR STABILITY.
3. MAINTAIN 1:6 BATTER FOR CURB AND 4" MINIMUM TO TOP OF CURB. WIDTH OF BOTTOM OF CURB WILL VARY WITH HEIGHT.

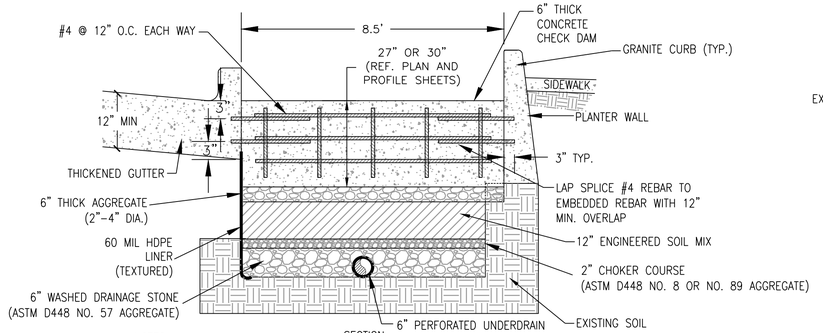
SECTION C-C1 CURB CUT
NOT TO SCALE



NOTES:
1. IF SLOPES OF STREET AND SIDEWALK ALLOW, PLANTERS SHALL BE BUILT WITH LEVEL PLANTING AREAS.
2. PLANTER WALL SHALL BE 3' MINIMUM FOR PLANTERS AGAINST SIDEWALKS.
3. SPECIAL DESIGN CONSIDERATIONS OR STRUCTURAL REVIEW MAY BE REQUIRED FOR LONGER PLANTER WALL SPANS. STEEL REINFORCEMENT OR ADDITIONAL CONCRETE CHECK DAMS MAY BE NEEDED FOR STABILITY.
4. MAINTAIN 1:6 BATTER FOR CURB AND 4" MINIMUM TO TOP OF CURB. WIDTH OF BOTTOM OF CURB WILL VARY WITH HEIGHT.

SECTION D-D1
LONGITUDINAL SECTION, SLOPED PLANTING AREA
NOT TO SCALE

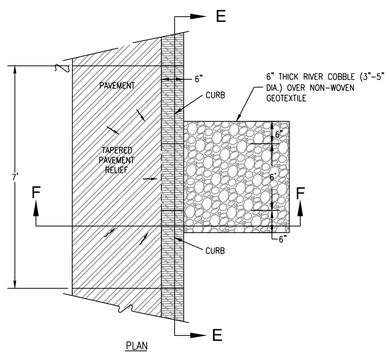
SECTION D-D1
LONGITUDINAL SECTION, LEVEL PLANTING AREA P.3
NOT TO SCALE



SECTION

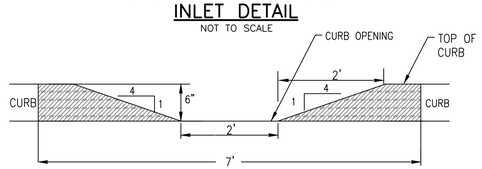
NOTES:
1. MASONRY OR GRANITE MAY BE USED IN PLACE OF CONCRETE FOR CHECK DAM CONSTRUCTION.
2. ENSURE THAT CHECK DAM ELEVATIONS DO NOT CAUSE STORMWATER TO OVERFLOW INTO SIDEWALK.
3. CONCRETE SHALL HAVE A 28 DAY STRENGTH OF 4,000 PSI AND AIR ENTRAINMENT OF 7%.
4. EMBED REBAR 3" INTO CURB AND PLANTER WALL.
5. SPECIFY REBAR OVERLAP LENGTH FOR CHECK DAMS THAT SPAN LONGER THAN 12'. INSTALL REBAR PER ACI 318 BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, LATEST EDITION.

SECTION B-B1
CONCRETE CHECK DAM
NOT TO SCALE

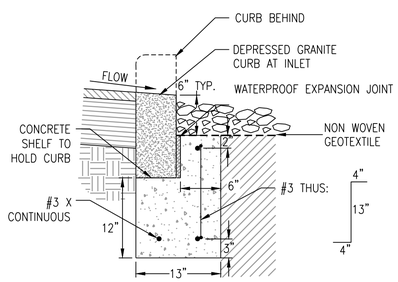


PLAN

STORMWATER PLANTER
INLET DETAIL
NOT TO SCALE



SECTION E-E



SECTION F-F

GEORGIA REGISTERED No. PE007177 PROFESSIONAL ENGINEER TRICIA H. THOMAS
jp2 5887 Glenridge Drive Suite 300 Atlanta, GA. 30328 Phone: 404.979.3300 Fax: 404.979.3310
CITY OF ATLANTA DEPARTMENT OF watershed management

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

STORMWATER PLANTER DETAILS

No.	Description	Date

PROJECT NO: 7832-E
DESIGNED BY: KKP
DRAWN BY: NO/ARC
CHECKED BY: TTH
DATE:
SCALE:

DRAWING NO.
C-516

SHEET

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WET POND LANDSCAPE DESIGN:

1. A TOTAL OF 1,280 WETLAND PLANTS SHALL BE PLANTED IN THE POND. WETLAND PLANTS MAY BE PROVIDED IN BARE-ROOT FORM OR IN CONTAINERS. ROOT MASS OF BARE-ROOT PLANTS MUST BE EQUAL IN MASS TO THE EQUIVALENT CONTAINER SIZES. FOR THE PURPOSE OF FULFILLING THE REQUIRED MINIMUM PLANT QUANTITY, IT IS ASSUMED THAT THE PLANTS TO BE INSTALLED WILL BE 1 GALLON SIZE. OTHER SIZES ARE ACCEPTABLE BUT OVERALL THE QUANTITY MUST BE EQUIVALENT TO THE REQUIRED MINIMUM ONE GALLON PLANTS.

   CONTRACTOR IS REQUIRED TO SUBMIT A DETAILED PLANTING PLAN FOR APPROVAL BY THE CITY. ALL WETLAND PLANTS WHICH FULFILL THE MINIMUM LANDSCAPE REQUIREMENTS SHALL BE PROPAGATED FROM, OR HARVESTED FROM, REGIONALLY ADAPTED STOCK. THESE ARE PLANT SPECIES OR GENOTYPES WHICH ARE NATIVE TO A RANGE OF WITHIN 200 MILES OF THE PROJECT SITE. WETLAND PLANTS GROWN OUTSIDE THE STATE OF GEORGIA ARE NOT ACCEPTABLE. THE DESIGNER IS NOT LIMITED TO THE SPECIES DESCRIBED. ADDITIONAL SPECIES USED FOR AESTHETIC REASONS, ETC. MAY BE USED. PLANTS NOT INTENDED TO MEET MINIMUM REQUIREMENTS DO NOT NEED TO BE NATIVE OR REGIONALLY ADAPTED STOCK.

   CATTAILS (TYPHA SPP.) TEND TO INVADE ALMOST ALL WETLANDS AND AGGRESSIVELY COLONIZE SHALLOW WATER. THEREFORE CATTAILS SHALL NOT BE SPECIFIED ON THE PLANTING PLAN. OTHER PLANTS THAT MUST NOT BE PLANTED ARE THOSE PLANTS LISTED AS INVASIVE BY THE GEORGIA EXOTIC PEST PLANT COUNCIL. THIS LIST INCLUDES: 1) WATER HYACINTH (EICHORNIA SPP.) 2) HYDRILLA (HYDRILLA VERTICILLATA) AND 3) EURASIAN WATER-MILFOIL (MYRIOPHLLUM SPP.).

   A MINIMUM OF 90% OF THE VEGETATION SHALL BE ALIVE AND VIABLE FOR ONE YEAR FOLLOWING INSTALLATION.

   TABLE 1 LISTS WETLAND PLANT CATEGORIES AND THEIR RESPECTIVE RATIOS. SPECIFIC PLANTS FOR USE IN WET PONDS ARE LISTED IN SHEET C-127. EACH SPECIES MUST COMPRISE A MINIMUM OF 5 PERCENT OF THE TOTAL NUMBER OF CONTAINERIZED PLANTS TO PROVIDE ADEQUATE ROOT AND SEED STOCK FOR FUTURE PROPAGATION.

   WETLAND PLANTS ARE ADAPTED TO SPECIFIC WATER DEPTHS. THESE CRITERIA IDENTIFY POND PLANTING ZONES BASED ON THE DEPTH OF THE PERMANENT POOL. INSTALL PLANTS AT WATER DEPTHS APPROPRIATE TO THE SPECIES. THE WATER DEPTHS NOTED IN THE FOLLOWING TABLES SHOW THE RANGE OF DEPTHS IN WHICH THESE PLANTS MUST BE PLANTED. THE PLANTS WILL OFTEN COLONIZE DEEPER WATER THAN THAT IN WHICH THEY ARE PLANTED. TAKEN TOGETHER, THE FOLLOWING ZONES COMPRISE THE AQUATIC BENCH.

   A. POND EDGE ZONE – THE POND EDGE ZONE IS AN AREA OF SATURATED SOIL SURROUNDING THE PERIMETER OF THE POND. THE ZONE EXTENDS FROM AN ELEVATION 6" ABOVE THE PERMANENT POOL LEVEL TO AN ELEVATION 3" BELOW THE PERMANENT POOL LEVEL. WHILE A PORTION OF THIS ZONE IS ABOVE THE ELEVATION OF THE AQUATIC BENCH, PLANTS LISTED IN TABLE 3 THAT ARE INSTALLED IN THIS AREA WILL COUNT TOWARDS FULFILLING THE REQUIRED MINIMUM NUMBER OF PLANTS. USE AT LEAST FOUR OF THE SPECIES IN TABLE 3 IN THIS ZONE. SPECIES NOTED "AS REQUIRED" MUST BE INCLUDED IN THIS ZONE. INCLUDE A MINIMUM OF 512 POND EDGE ZONE PLANTS

   B. MARSH ZONE – THE MARSH ZONE IS THE SHALLOW WATER AREA WITHIN THE POND. THE ZONE EXTENDS FROM AN ELEVATION 3" BELOW THE PERMANENT POOL LEVEL TO AN ELEVATION 12" BELOW THE PERMANENT POOL LEVEL. USE AT LEAST FOUR OF THE SPECIES IN TABLE 4 IN THE MARSH ZONE. SPECIES NOTED "AS REQUIRED" MUST BE INCLUDED IN THIS ZONE. INCLUDE A MINIMUM OF 512 MARSH ZONE PLANTS.

   C. DEEP WATER ZONE – THE DEEP WATER ZONE EXTENDS FROM AN ELEVATION 12" BELOW THE DESIGN POOL LEVEL DOWN TO AN ELEVATION 24" BELOW THE DESIGN POOL LEVEL. THIS ZONE INCLUDES SUBMERGENT PLANTS (WHICH GROW UNDERWATER), FLOATING-LEAVED AQUATIC PLANTS, AND TALL EMERGENT PLANTS. INSTALL SUBMERGENT AND FLOATING-LEAVED AQUATIC PLANTS THROUGHOUT THE POND TO ENCOURAGE COLONIZATION IN A VARIETY OF LOCATIONS. INSTALL AT LEAST THREE SPECIES LISTED IN TABLE 5 IN THE DEEP WATER ZONE. INCLUDE A MINIMUM OF 256 DEEP WATER ZONE PLANTS.

2. MICROBIAL INITIATION – AFTER THE POND LINER IS IN PLACE, YET PRIOR TO ALLOWING THE POND TO BE FILLED, SPREAD THE PLANT LITTER EVENLY ON THE SIDES OF THE POND (BELOW THE PERMANENT POOL LEVEL). TREAT THE ENTIRE SHALLOW WATER BENCH IN THIS MANNER, AND ALL POND SLOPES (RANGING FROM 3:1 TO 10:1). THE MINIMUM REQUIRED AMOUNT OF PLANT LITTER IS 45 POUNDS PER 1,000 SQUARE FEET OF SLOPE. WHEN USING COASTAL HAY, THIS REQUIREMENT CAN BE EXPRESSED AS 1.5 BALES AT 30 LB./BALE. ENSURE THAT THE PLANT LITTER WILL NOT FLOAT BY ATTACHING THE LITTER TO THE SLOPES (WITH STAPLES OR OTHER APPROPRIATE METHODS). COVER A MINIMUM OF 40% OF THE SLOPE SURFACE AREA.

3. INTERGRATED PEST MANAGEMENT: MOSQUITO CONTROL – MOSQUITOES ARE PROBLEMATIC IN URBAN AREAS. THERE IS THE POTENTIAL FOR STANDING WATER IN WET PONDS TO BECOME IDEAL BREEDING LOCALITIES. THE WET POND SHOULD BE STOCKED WITH THE LOCAL NATIVE FISH SPECIES GAMBUSIA AFFINIS AT SUBSTANTIAL COMPLETION TO SERVE AS A BIOLOGICAL CONTROL FOR MOSQUITOES. GAMBUSIA PROVIDE EFFECTIVE CONTROL FOR MOSQUITOES, ELIMINATING THE NEED FOR CHEMICAL CONTROL. GAMBUSIA SHOULD BE STOCKED AT THE INITIAL DENSITY OF 200 INDIVIDUALS PER SURFACE ACRE, FOR A TOTAL OF 196 FISH.

   DOMESTIC WATERFOWL – DOMESTIC WATERFOWL, INCLUDING GEESE AND SWANS CAN DESTROY VEGETATION AND INCREASE POLLUTANT LOADING IN WET POND SYSTEMS. IN ADDITION, WATERFOWL CAN BECOME NUISANCES TO PROPERTY OWNERS NEAR THE POND. FOR THESE REASONS, DOMESTIC WATERFOWL SHOULD NOT BE INTRODUCED INTO THESE SYSTEMS.

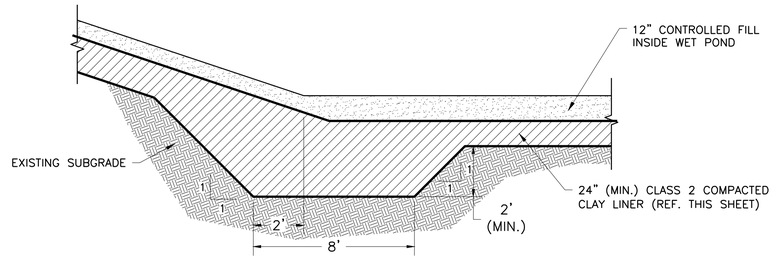
   FISH – FISH OTHER THAN GAMBUSIA AFFINIS SHOULD NOT BE INTRODUCED INTO A WET POND IN ORDER TO DETRACT THE PUBLIC FROM FISHING.

4. WATER – AFTER THE POND LINER IS COMPLETED, THE BASIN MUST FILL UP WITH WATER WITHIN A REASONABLE TIME PERIOD, PREFERABLY WITHIN ONE WEEK. SAFETY CONCERNS AND POND LINER INTEGRITY CONCERNS MUST BE PROPERLY ADDRESSED DURING POND CONSTRUCTION.

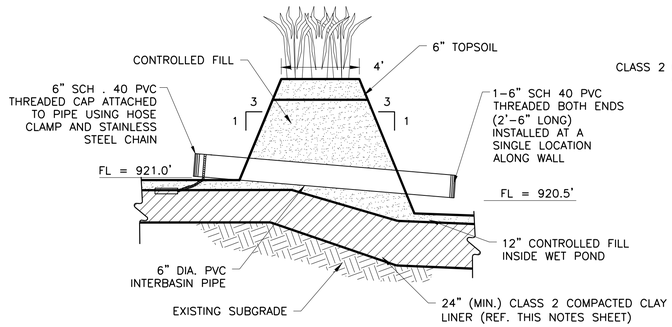
   MAKE-UP WATER – THE CISTERN SHOWN ON SHEETS S-313 AND S-314 SHALL MAINTAIN AN ADEQUATE PERMANENT POOL LEVEL SHOULD THE LEVEL DROP DUE TO A SEVERE DROUGHT. GROUND WATER AT THE PROJECT SITE SHALL NOT BE USED DUE TO CONTAMINATED CONDITIONS. POTABLE AND EFFLUENT WATER ARE NOT ACCEPTABLE MAKE-UP WATER SOURCES.

5. REFER TO SHEET C-127 FOR PLANT SELECTION SIZES AND SPECIES INFORMATION.

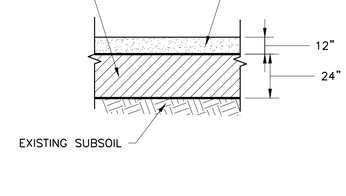
Table 1 - Plant Category Ratios		
Plant Category	Comments	%
Pond Edge Zone	Plant rooted plants at or near the pond edge	
Marsh Zone	Plant rooted plants on the vegetated bench	
Deep Water Zone	Plant rooted plants on the deepest portion of	



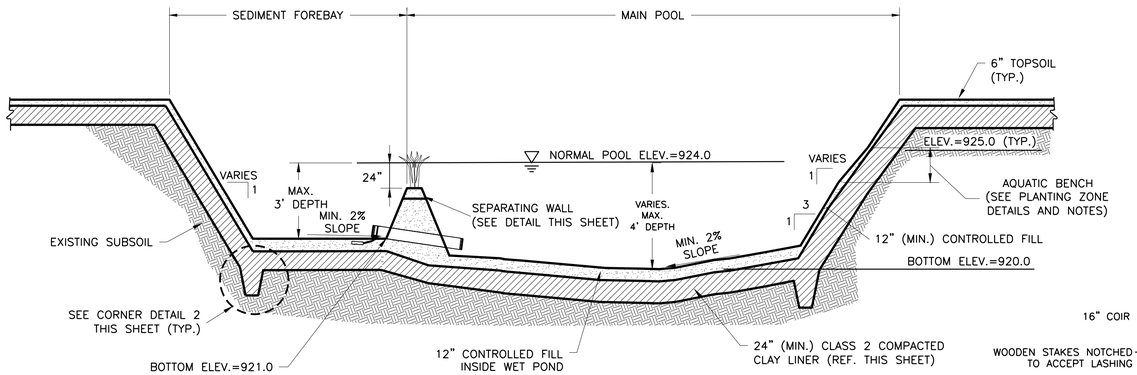
2 – CLAY LINER CORNER DETAIL
NOT TO SCALE



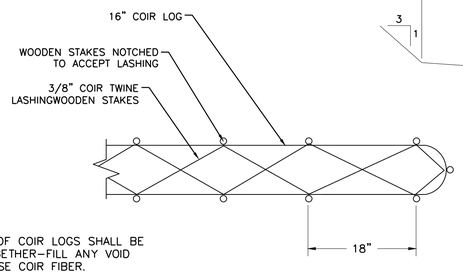
3 – SEPARATION WALL
NOT TO SCALE



4 – CLAY LINER SYSTEM WET POND (TYP.)
NOT TO SCALE

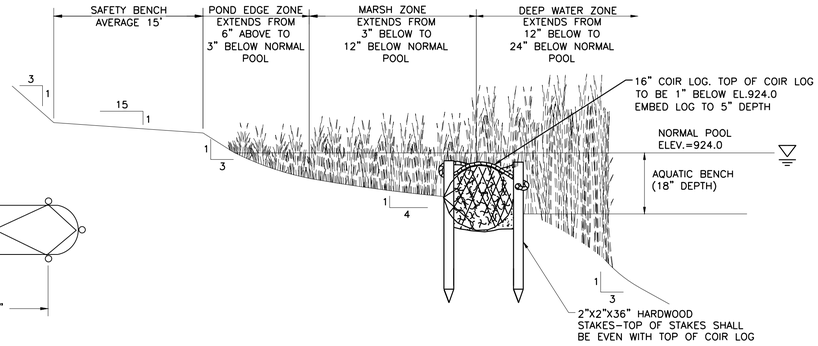


1 – WET POND CROSS SECTION
NOT TO SCALE



NOTE:
ABUTTING ENDS OF COIR LOGS SHALL BE TIGHTLY TIED TOGETHER-FILL ANY VOID SPACE WITH LOOSE COIR FIBER.

6 – COIR LOG LASHING DETAIL
NOT TO SCALE



5 – TYPICAL WET POND PLANTING ZONES
NOT TO SCALE

NOTE:

LINER FOR POND SHALL BE CLAY MEETING THE FOLLOWING REQUIREMENTS:

-LIQUID LIMIT (LL)=30

-PLASTICITY INDEX (PI)=15

-PERCENT PASSING #200 ≥ 50%

-HYDRAULIC CONDUCTIVITY ≤ 1X10^(-7) CM/SEC

GEORGIA REGISTERED No. PE0027177 PROFESSIONAL ENGINEER TRICIA H. HAYES

CITY OF ATLANTA DEPARTMENT OF watershed management

JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

jp2

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

WET POND DETAILS AND PLANTING NOTES

No.	Description	Date

PROJECT NO: 7832-E
DESIGNED BY: KKP
DRAWN BY: NO/ARC
CHECKED BY: THH
DATE:
SCALE:

DRAWING NO.
C-517

SHEET

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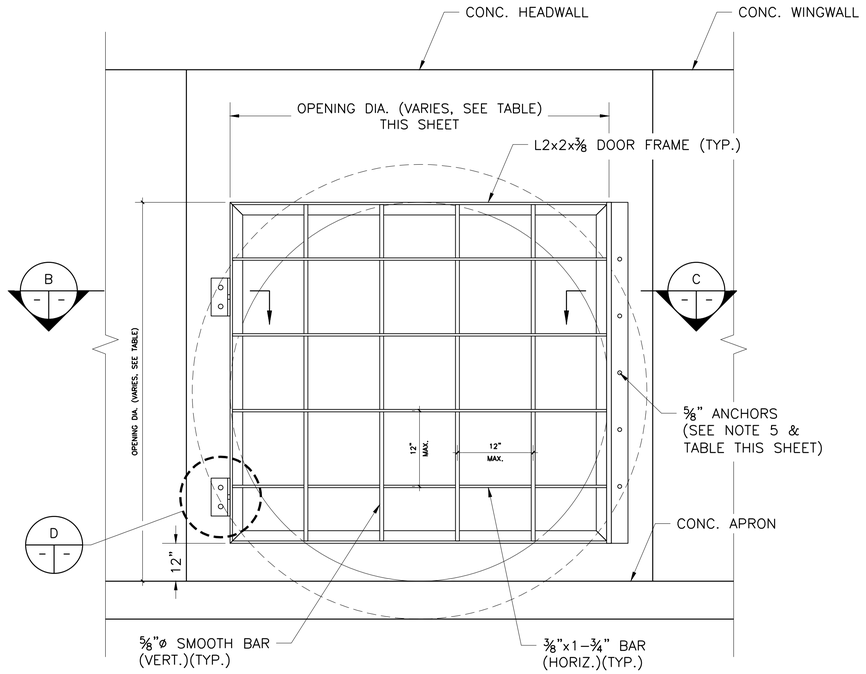

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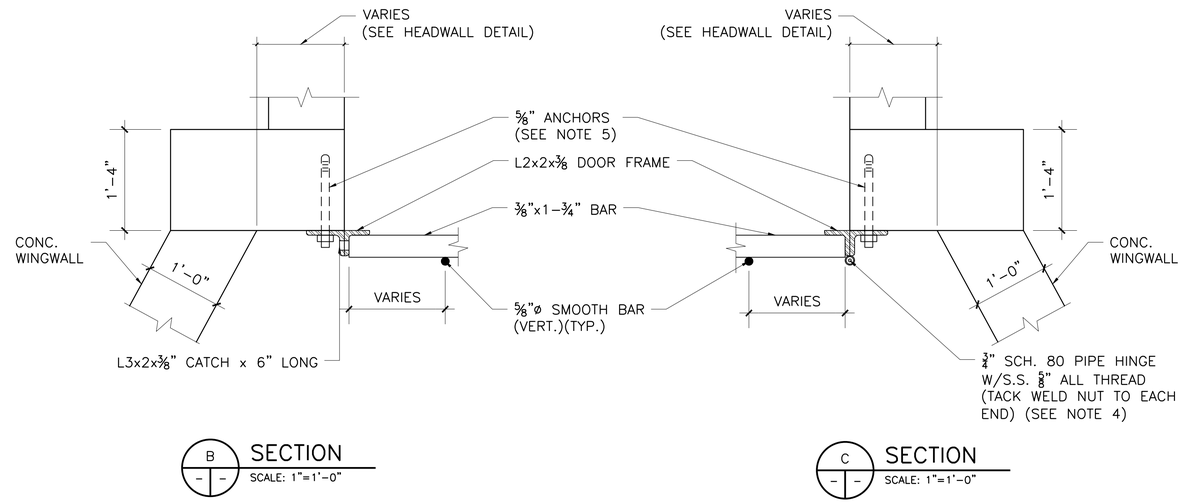

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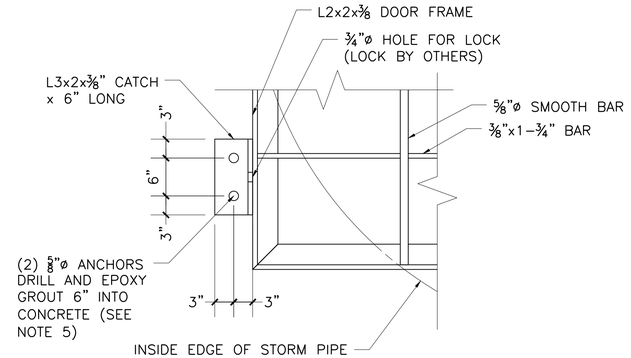

D DETAIL
SCALE: 1"=1'–0"

OUTFALL SECURITY GRATE DIMENSIONS	
OUTFALL ID	NO. OF ANCHORS
42" POND OUTFALLS	5

NOTES:

1. ALL STRUCTURAL STEEL MEMBERS SHALL CONFORM TO ASTM A36 UNLESS OTHERWISE NOTED.
2. ALL WELDS ARE 3/16" SEAL WELDS UNLESS NOTED OTHERWISE.
3. ALL NON–STAINLESS STEEL MEMBERS SHALL BE HOT DIP GALVANIZED. ALL HORIZONTAL ROUND BARS SHALL BE WELDED TO VERTICAL BARS AT EVERY INTERSECTION ON BOTH SIDES. USE E70XX ELECTRODE.
4. CUT 3/4" SCH. 80 PIPE INTO 4" ± SEGMENTS AND WELD ALTERNATE SEGMENTS TO EITHER THE MOUNTING FRAME OR DOOR FRAME, CONTINUOUSLY ACROSS ENTIRE GRATE WIDTH (TYP.).
5. ANCHORS SHALL BE HILTI ANCHOR ROD HIT–Z–R ⅝" x 6" SS316 (STAINLESS STEEL) OR EQUAL AS APPROVED BY THE ENGINEER. USE IN COMBINATION WITH HILTI HIT INJECTABLE ADHESIVE.

GEORGIA REGISTERED ENGINEER TRICIA H. HAYES No. PE031717 PROFESSIONAL 10/12/17

CITY OF ATLANTA DEPARTMENT OF watershed management
JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

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OUTFALL GRATE DETAILS

No.	Description	Date
1	REV 1 - Issued for Construction	10/23/2017

PROJECT NO: 7832-E
DESIGNED BY: KKP
DRAWN BY: NO/ARC
CHECKED BY: THH
DATE:
SCALE:

DRAWING NO.
C-519

SHEET

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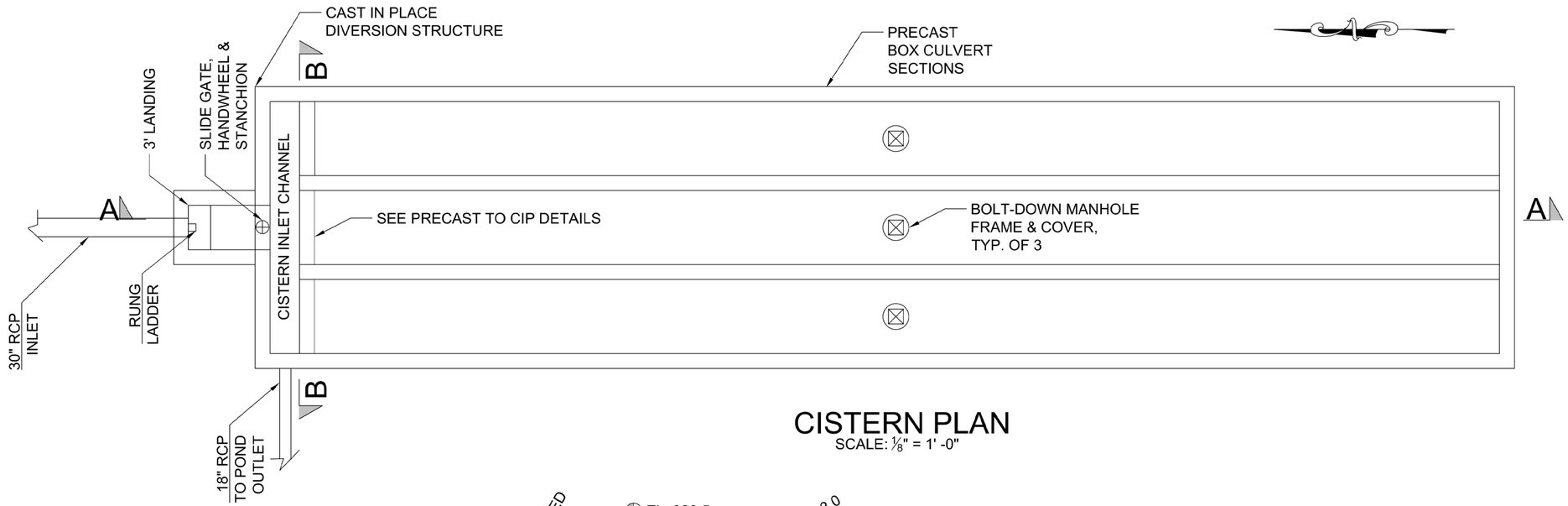

CISTERN PLAN
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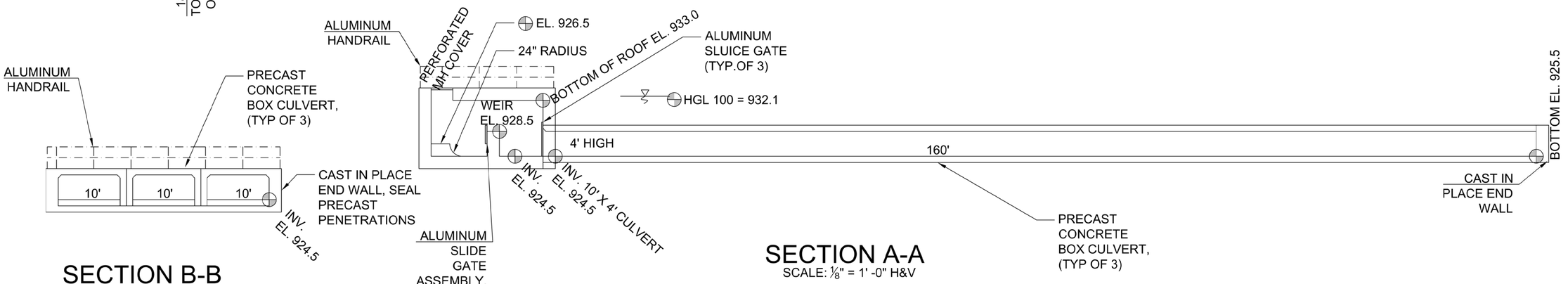
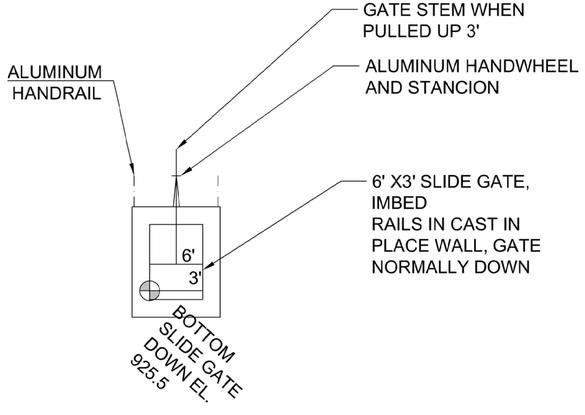
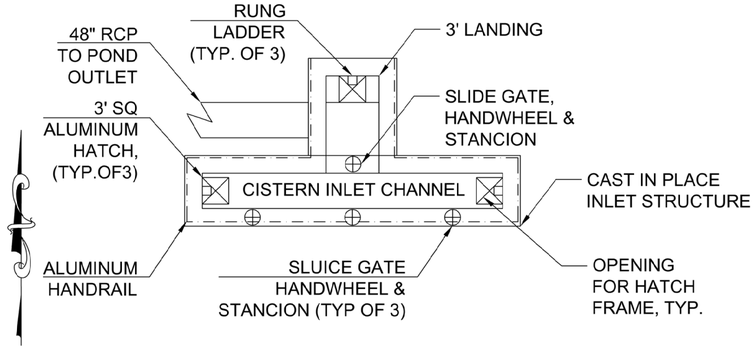


SECTION B-B
SCALE: ⅛" = 1' -0" H&V

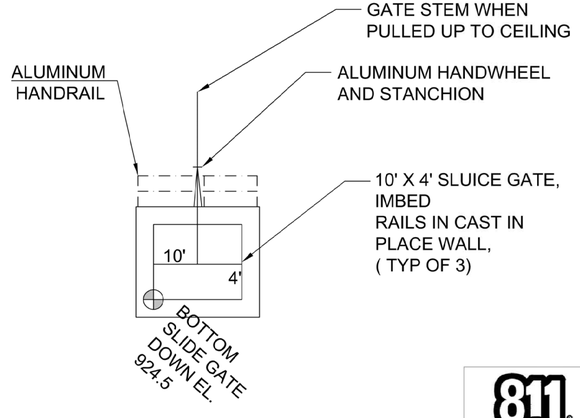
SECTION A-A
SCALE: ⅛" = 1' -0" H&V



SLIDE GATE ELEVATION
SCALE: ⅛" = 1' -0" H&V



INLET STRUCTURE TOP PLAN
SCALE: ⅛" = 1' -0" H&V



SLUICE GATE ELEVATION
SCALE: ⅛" = 1' -0" H&V

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. PE16710 SUSAN U. MANN

CITY OF ATLANTA DEPARTMENT OF watershed management
JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

GENERAL ARRANGEMENT
48" GATED DIVERSION CISTERN

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	10/2/2017

PROJECT NO: 7383-E
DESIGNED BY: GNM
DRAWN BY: JC
CHECKED BY: BS
DATE: 10-2-2017
SCALE: NOTED

DRAWING NO.
C-520

SHEET OF

811 Know what's below. Call before you dig.

ACAD Rel: 19.1s (LMS Tech)
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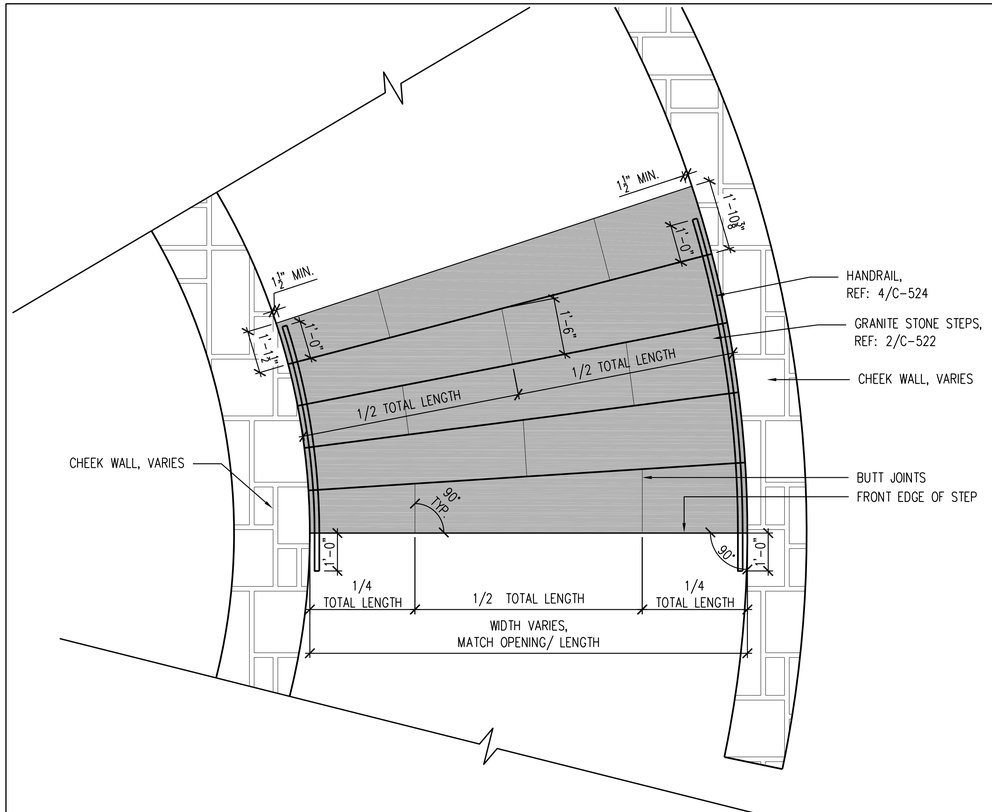
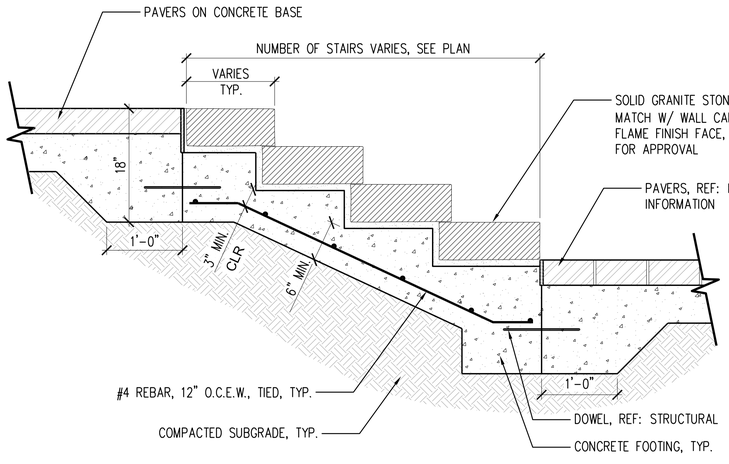
Plot Date: 9/27/2017 4:37 PM Plot By: SMajor Filename: O:\73_WS\T-2\C-520 CISTERN GA.dwg



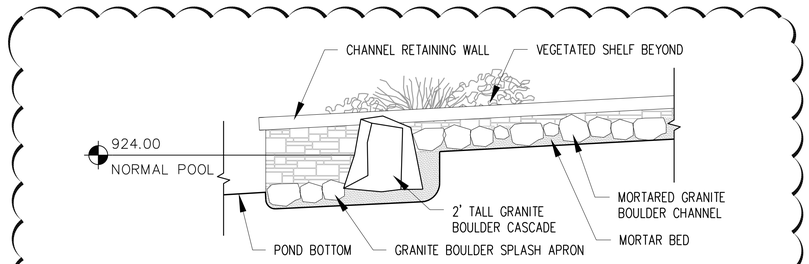
1 C-522 **PLAN: SOLID GRANITE STEP JOINTING PATTERN**

1/2" = 1'-0"



2 C-522 **GRANITE STEPS DETAIL**

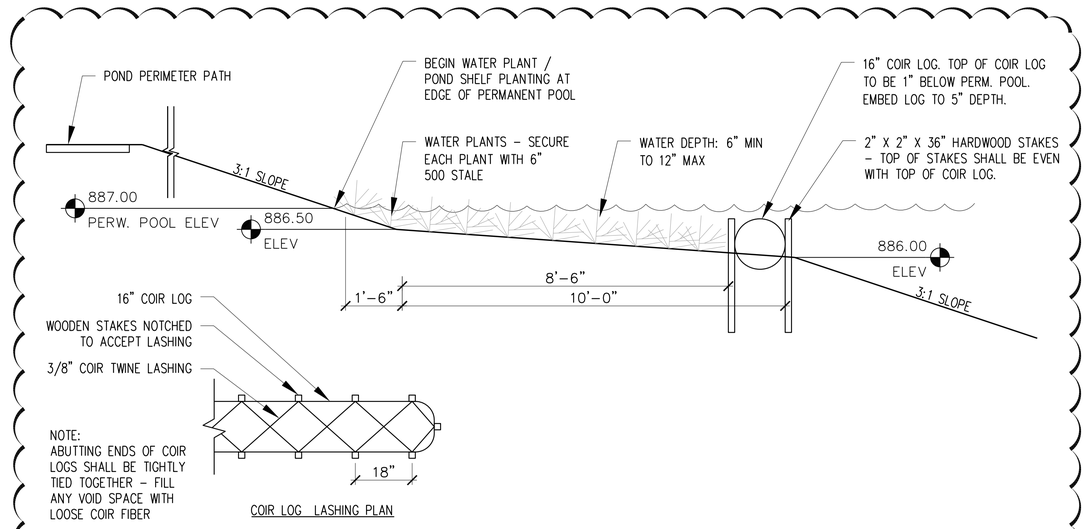
1" = 1'-0"



3 C-522 **CHANNEL DROP SECTION**

N.T.S.

1



4 C-522 **LAKE EDGE PLANTING**

N.T.S.

1

MORTAR BED SPECIFICATION:

LATICRETE 226 THICK BED MORTAR MIXED W/ LATICRETE 3701 MORTAR ADMIXTURE; INSTALL BETWEEN TOP AND BOTTOM LAYER OF LATICRETE 254 PLATINUM THIN SET MORTAR; 1/2" – 1" OVERALL BED THICKNESS – VERIFY W/ MANUFACTURER

NOTES:

1. TREAD WIDTHS MAY VARY FROM DETAIL W/ LOCATION, SEE SCHEDULE, TYP.
2. TREAD WIDTHS VERY W/ RADIAL STEPS, TYP.
3. MIN. 1/2% SLOPE ON EACH TREAD FOR POSITIVE DRAINAGE, TYP. – UNLESS OTHERWISE INDICATED SEE GRADING PLAN AND SCHEDULES.
4. OBTAIN FIELD MEASUREMENTS FOR EACH SET OF STEPS PIOR TO ORDERING MATERIAL, TYP.
5. REFER TO SITE PLAN & GRADING PLAN FOR NUMBERS OF TREADS AND RISERS, TYP.
6. MEASUREMENTS ARE BASED ON INSIDE RADIUS OF RADIAL STEP LOCATIONS, TYP.

GEORGIA REGISTERED No. PE027177 PROFESSIONAL ENGINEER TRICIA H. THATCH 10/23/17

CITY OF ATLANTA DEPARTMENT OF watershed management
JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

SITE DETAILS

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	10/2/2017
1	REV. 1 - ISSUED FOR CONSTRUCTION	10/23/2017

PROJECT NO:
DESIGNED BY: JP2
DRAWN BY: MM / SF
CHECKED BY: TTH
DATE: 10-23-2017
SCALE:

DRAWING NO. C-522

SHEET OF

Know what's **below.** **Call** before you dig.

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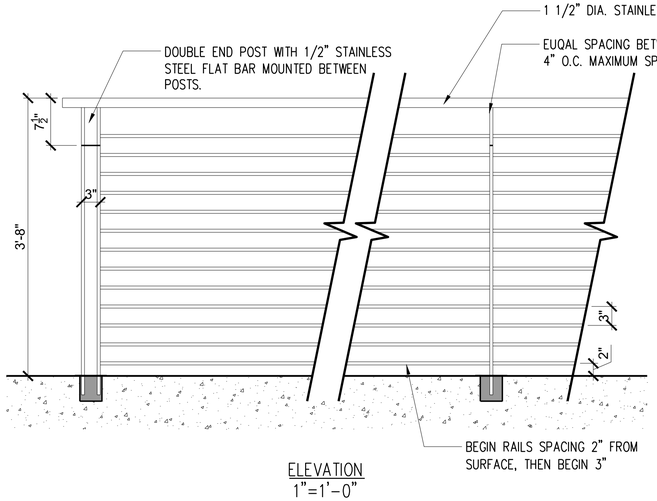
Last Saved: 10/20/2017 5:45 PM Saved By: 02589

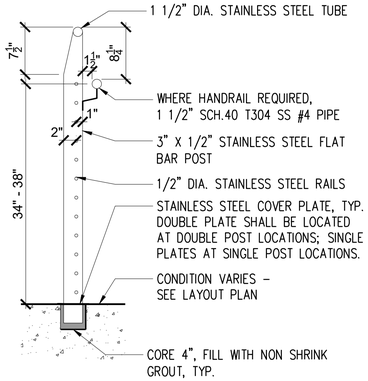
Plot Date: 10/20/2017 5:45 PM Plot By: 02589 Filename: N:\LA\100%\Drawings\CV-JP2-DT-SITE MISC.dwg

NOTES:

1. STAINLESS STEEL SHALL MEET:
   TUBING: ASTM A554
   PIPE: ASTM A312 / A312M
   CASTING: ASTM A743 / A743M
2. WELDING QUALIFICATIONS: QUALIFY PROCEDURES AND PERSONNEL ACCORDING TO THE FOLLOWING: AWS D1.6, "STRUCTURAL WELDING CODE – STAINLESS STEEL."
3. SUBMIT SHOP DRAWING TO OWNER FOR REVIEW PRIOR TO FABRICATION. SHOP DRAWINGS SHALL INCLUDE SECTIONS AND ELEVATIONS, SHOWING POST LOCATIONS, MATERIALS, DIMENSIONS, AND WELD INFORMATION. CONTRACTOR SHALL FIELD MEASURE PIOR TO PREPARATION OF SHOP DRAWINGS.
4. TOP RAIL SHALL BE FABRICATED FROM 1 1/2" ACTURAL O.D. ROUND 11 GA. WALL BRUSH FINISH STAINLESS STEEL TUBE.
5. POSTS SHALL REMAIN VERTICAL IF GUARDRAIL SLOPING.
6. STICK WELD ALL JOINTS. GRIND WELDS SMOOTH. EDGES SHALL HAVE 1/8" MIN. RADIUS.
7. CONTRACTOR SHALL SUBMIT CUT SHEET TO HARDWARE FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.

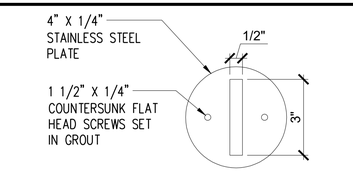


ELEVATION
1"=1'-0"

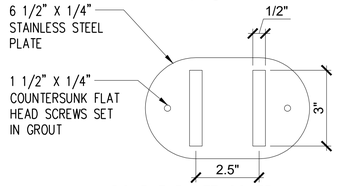


SECTION
1"=1'-0"

1 C-524 DETAIL: ELEVATED WALKWAY GUARDRAIL
NTS



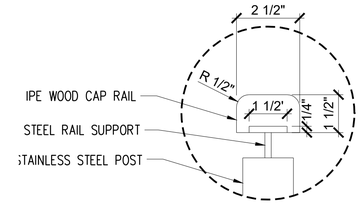
SINGLE PLATE COVER
4"=1'-0"



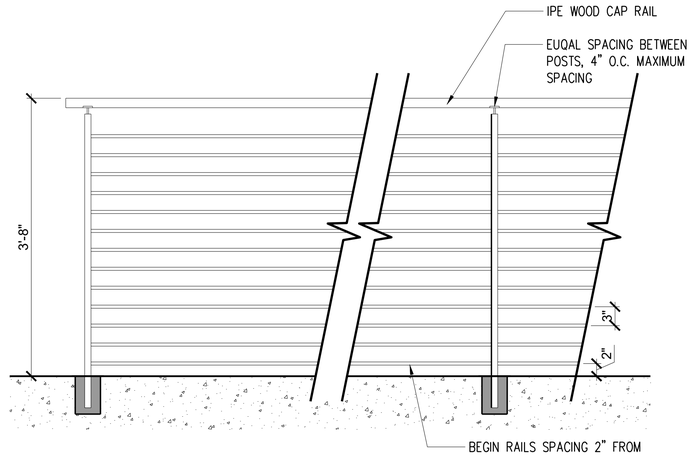
DOUBLE PLATE COVER
4"=1'-0"

NOTES:

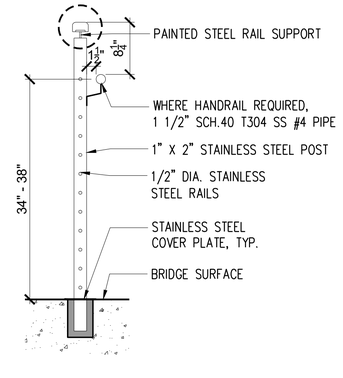
1. STAINLESS STEEL SHALL MEET:
   TUBING: ASTM A554
   PIPE: ASTM A312 / A312M
   CASTING: ASTM A743 / A743M
2. WELDING QUALIFICATIONS: QUALIFY PROCEDURES AND PERSONNEL ACCORDING TO THE FOLLOWING: AWS D1.6, "STRUCTURAL WELDING CODE – STAINLESS STEEL."
3. SUBMIT SHOP DRAWING TO OWNER FOR REVIEW PRIOR TO FABRICATION. SHOP DRAWINGS SHALL INCLUDE SECTIONS AND ELEVATIONS, SHOWING POST LOCATIONS, MATERIALS, DIMENSIONS, AND WELD INFORMATION. CONTRACTOR SHALL FIELD MEASURE PIOR TO PREPARATION OF SHOP DRAWINGS.
4. TOP RAIL SHALL BE FABRICATED FROM 1 1/2" ACTURAL O.D. ROUND 11 GA. WALL BRUSH FINISH STAINLESS STEEL TUBE.
5. POSTS SHALL REMAIN VERTICAL IF GUARDRAIL SLOPING.
6. STICK WELD ALL JOINTS. GRIND WELDS SMOOTH. EDGES SHALL HAVE 1/8" MIN. RADIUS.
7. CONTRACTOR SHALL SUBMIT CUT SHEET TO HARDWARE FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.



DETAIL A
4"=1'-0"

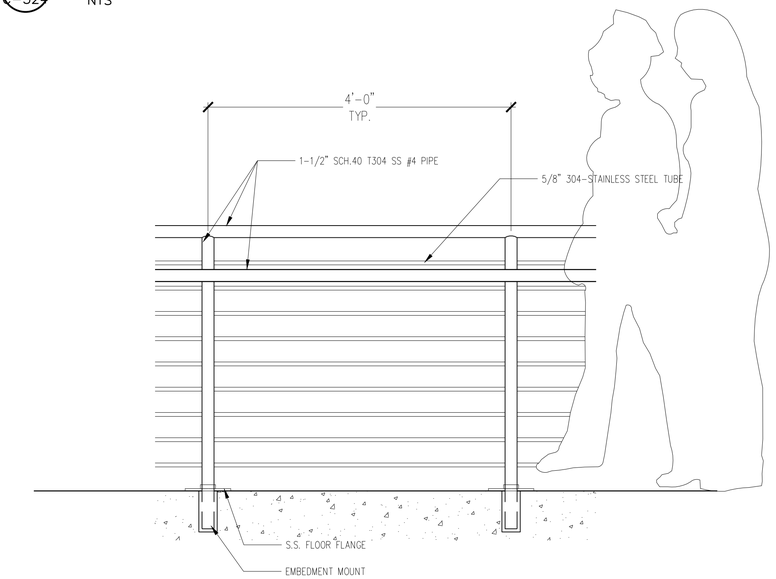


ELEVATION
1"=1'-0"

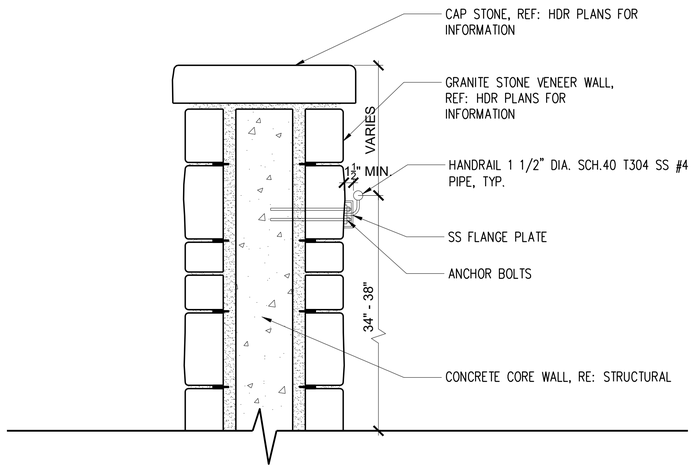


SECTION
1"=1'-0"

2 C-524 DETAIL: TYPICAL SITE GUARDRAIL
NTS



3 C-524 DETAIL: GUARDRAILS WITH HANDRAIL ADDITION
1" = 1'-0"



4 C-524 DETAIL: HANDRAIL ON WALL
1" = 1'-0"

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. PE027177 TRICIA H. MILLER
Issued 5/17/2017

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

GUARD RAIL AND HANDRAIL DETAILS

CITY OF ATLANTA DEPARTMENT OF watershed management

JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.978.3300
Fax: 404.978.3330

No.	Description	Date
A	SUBMIT FOR PERMIT REVIEW	12/5/2016
B	90% SUBMITAL - FOR CITY REVIEW	2/15/2017
C	90% SUBMITAL - FOR CITY REVIEW	5/12/2017

PROJECT NO: 7832-E
DESIGNED BY: JP2
DRAWN BY: MM / SF
CHECKED BY: TTH
DATE:
SCALE: 1" = 30'

DRAWING NO.
C-524

SHEET

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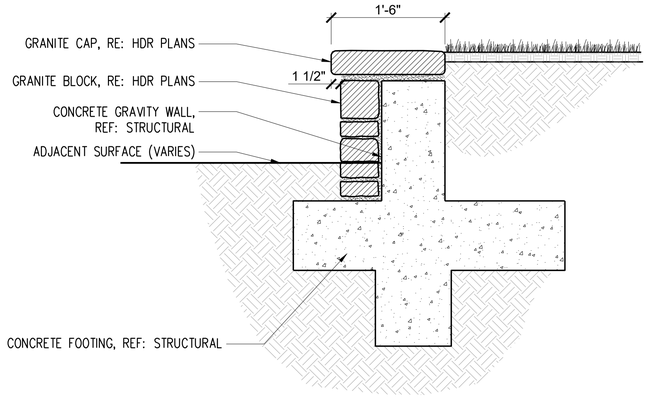
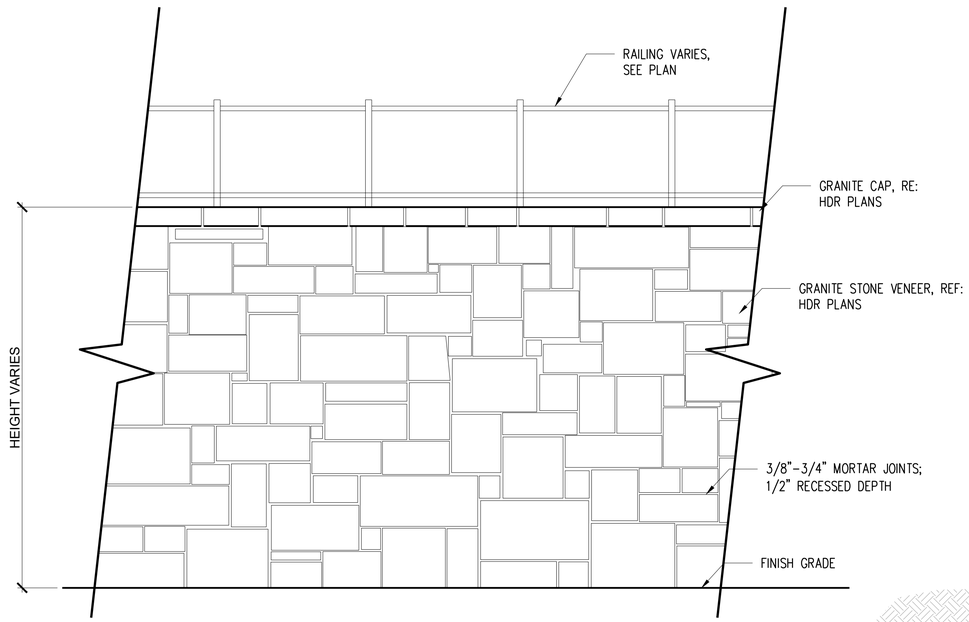


SECTION: RETAINING CONDITION

1 GRANITE SEAT WALL – FINISH DETAILS

C-525

1"=1'-0"

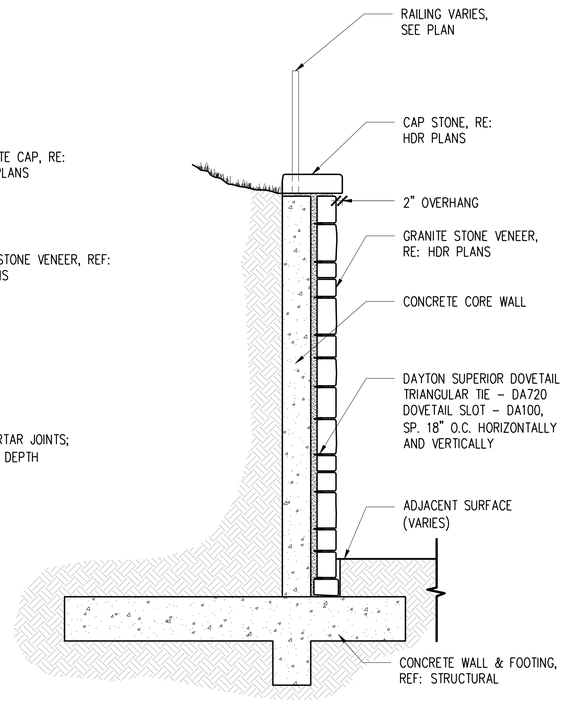


ELEVATION: GRANITE RETAINING WALL

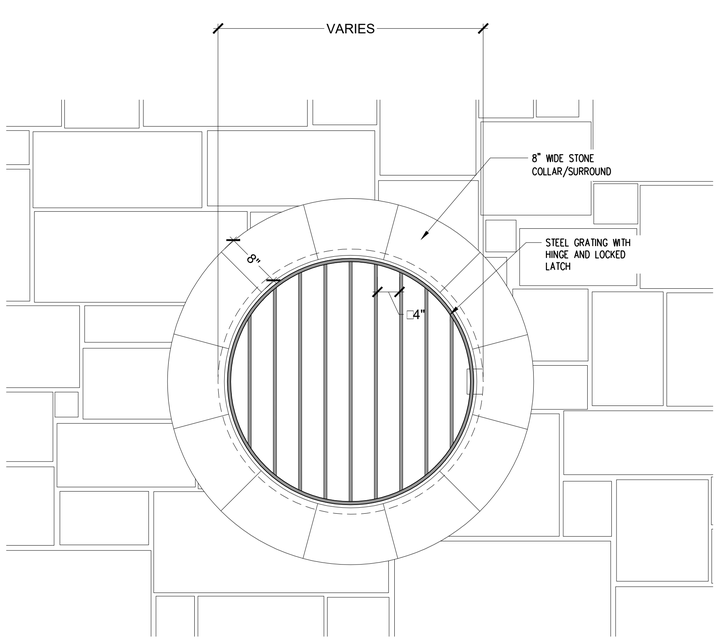
2 GRANITE RETAINING WALL–FINISH DETAILS

C-525

1/2"=1'-0"



ELEVATION: GRANITE RETAINING WALL



3 ELEVATION: RCP OUTFALL GRATINGS/COVERS

C-525

1"=1'-0"

GEORGIA REGISTERED No. PE027177 PROFESSIONAL ENGINEER TRICIA H. WILEY 9/29/17

CITY OF ATLANTA DEPARTMENT OF watershed management
JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3330

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

WALL FINISH DETAILS

No.	Description	Date
A	SUBMIT FOR PERMIT REVIEW	12/5/2016
B	90% SUBMITAL - FOR CITY REVIEW	2/15/2017
C	90% SUBMITAL - FOR CITY REVIEW	5/12/2017

PROJECT NO: 7832-E
DESIGNED BY: JP2
DRAWN BY: MM / SF
CHECKED BY: TTH
DATE:
SCALE: 1" = 30'

DRAWING NO.
C-525

SHEET

ACAD Rel: 20.0s (LMS Tech)
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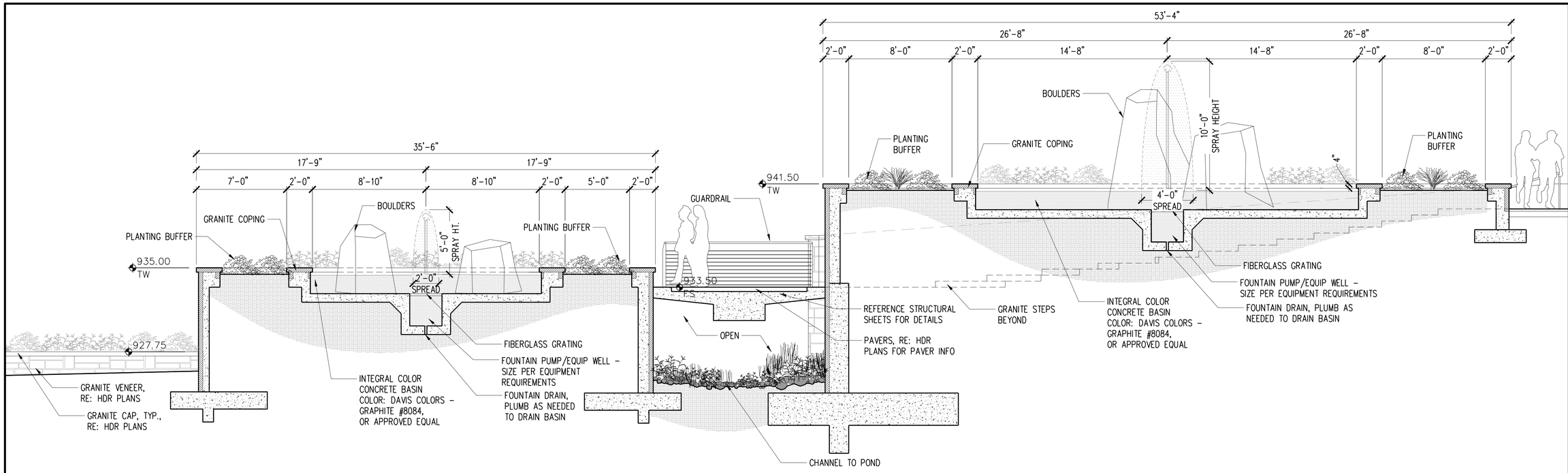
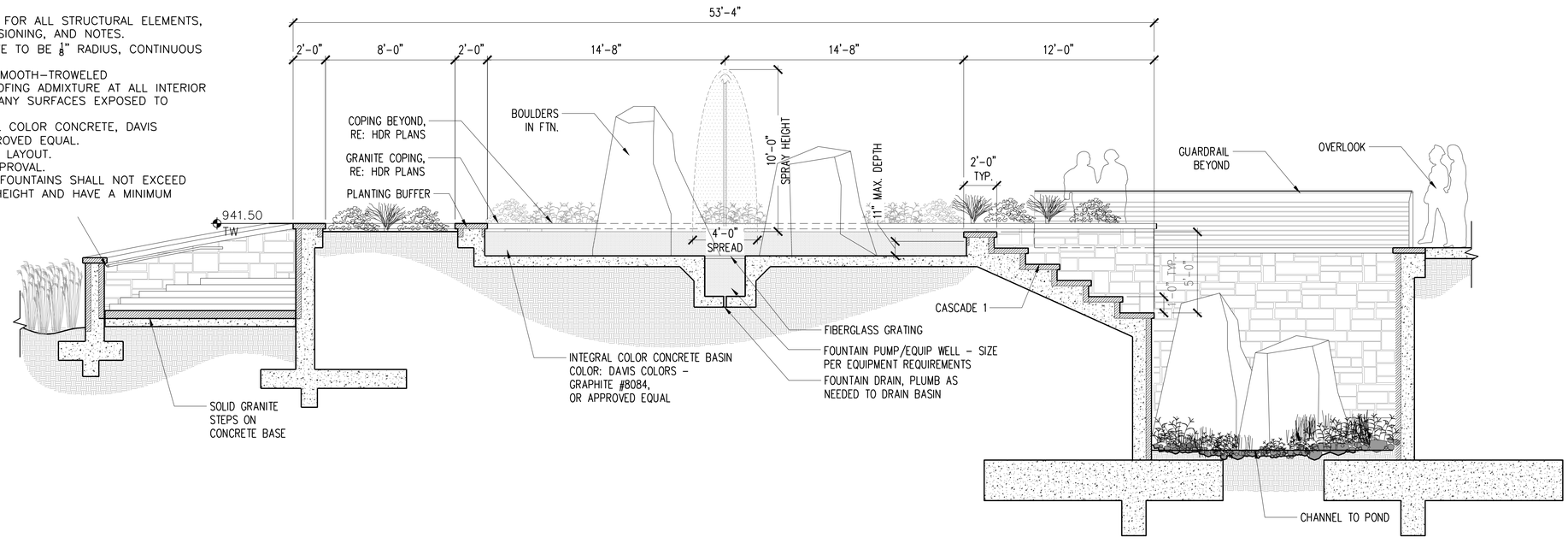


1 / C-526 Section – Upper & Middle Fountains

1/4"=1'-0"

FOUNTAIN NOTES:

1. REFER TO STRUCTURAL DRAWINGS FOR ALL STRUCTURAL ELEMENTS, REINFORCING, FOUNDATION, DIMENSIONING, AND NOTES.
2. ALL FINISHED EDGES OF CONCRETE TO BE 1/2" RADIUS, CONTINUOUS TOOLED EDGE, TYP.
3. ALL FINISHED CONCRETE TO BE SMOOTH-TROWELED
4. XYPEX OR EQUIVALENT WATERPROOFING ADMIXTURE AT ALL INTERIOR CONCRETE WALL SURFACES, AND ANY SURFACES EXPOSED TO CONTINUOUS WATER-FLOW, TYP.
5. FOUNTAIN BASINS TO BE INTEGRAL COLOR CONCRETE, DAVIS COLOR-GRAPHITE #8084 OR APPROVED EQUAL.
6. REFER TO C-124 FOR FILTRATION LAYOUT.
7. PROVIDE SHOP DRAWINGS FOR APPROVAL.
8. INDIVIDUAL BOULDERS PLACED IN FOUNTAINS SHALL NOT EXCEED 130,000 LBS IN WEIGHT, 10' IN HEIGHT AND HAVE A MINIMUM BEARING SURFACE OF 6' X 4'.



2 / C-526 Section – Upper Fountain

1/4"=1'-0"

GEORGIA REGISTERED No. PE027177 PROFESSIONAL ENGINEER TRICIA H. [illegible] 9/29/17

CITY OF ATLANTA DEPT. OF watershed management

jp2 5887 Glenridge Drive Suite 300 Atlanta, GA. 30328 Phone: 404.979.3300 Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

FOUNTAIN DETAILS

No.	Description	Date

PROJECT NO: 7832-E
DESIGNED BY:
DRAWN BY: SMF
CHECKED BY:
DATE:
SCALE: 1/4"=1'-0"

DRAWING NO. C-526

SHEET

ACAD Rel: 20.0s (LMS Tech)
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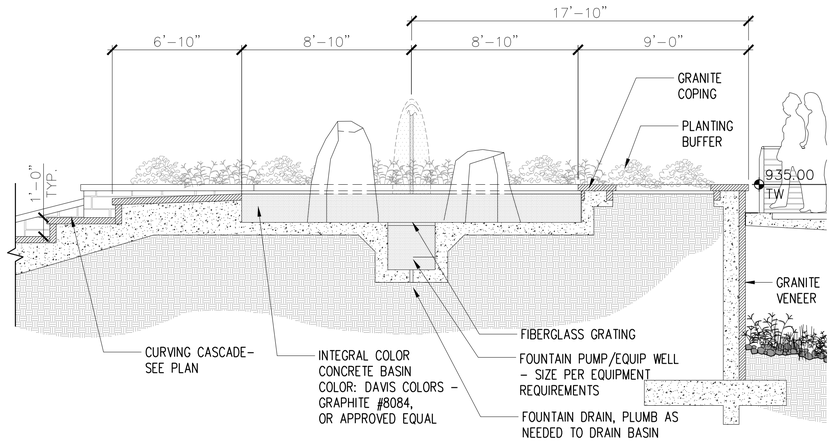
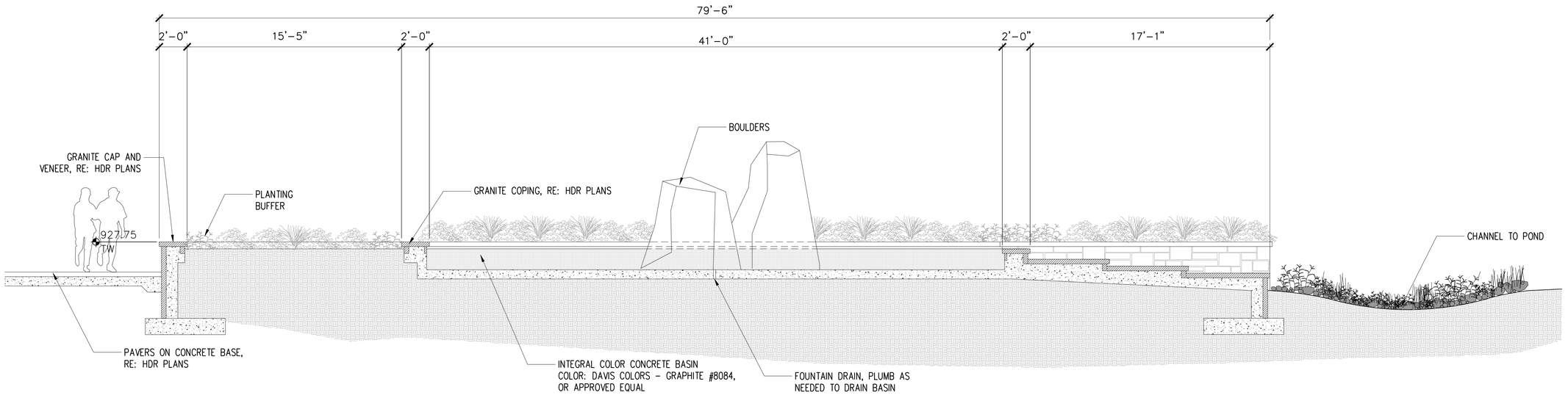


1 / C-527 Section -Middle Fountain

1/4"=1'-0"

FOUNTAIN NOTES:

1. REFER TO STRUCTURAL DRAWINGS FOR ALL STRUCTURAL ELEMENTS, REINFORCING, FOUNDATION, DIMENSIONING, AND NOTES.
2. ALL FINISHED EDGES OF CONCRETE TO BE $\frac{1}{8}$" RADIUS, CONTINUOUS TOOLED EDGE, TYP.
3. ALL FINISHED CONCRETE TO BE SMOOTH-TROWELED
4. XYPEX OR EQUIVALENT WATERPROOFING ADMIXTURE AT ALL INTERIOR CONCRETE WALL SURFACES, AND ANY SURFACES EXPOSED TO CONTINUOUS WATER-FLOW, TYP.
5. FOUNTAIN BASINS TO BE INTEGRAL COLOR CONCRETE, DAVIS COLOR-GRAPHITE #8084 OR APPROVED EQUAL.
6. REFER TO C-124 FOR FILTRATION LAYOUT.
7. PROVIDE SHOP DRAWINGS FOR APPROVAL.
8. INDIVIDUAL BOULDERS PLACED IN FOUNTAINS SHALL NOT EXCEED 130,000 LBS IN WEIGHT, 10' IN HEIGHT AND HAVE A MINIMUM BEARING SURFACE OF 6' X 4'.



2 / C-527 Section - Lower Fountain

1/4"=1'-0"

GEORGIA REGISTERED No. PE027177 PROFESSIONAL ENGINEER TRICIA HAILEY 9/29/17

CITY OF ATLANTA DEPARTMENT OF watershed management
JP2
5887 Glenridge Drive Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3330

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT

UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT

RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

FOUNTAIN DETAILS

No.	Description	Date

PROJECT NO: 7832-E
DESIGNED BY:
DRAWN BY: SMF
CHECKED BY:
DATE:
SCALE: 1/4"=1'-0"

DRAWING NO.
C-527

SHEET

ACAD Rel: 20.0s (LMS Tech)
Filename: N:\LA\100%\Drawings\CV-JP2-DT-FOUNTAINS.dwg
Last Saved: 9/29/2017 11:33 AM Saved By: 02626

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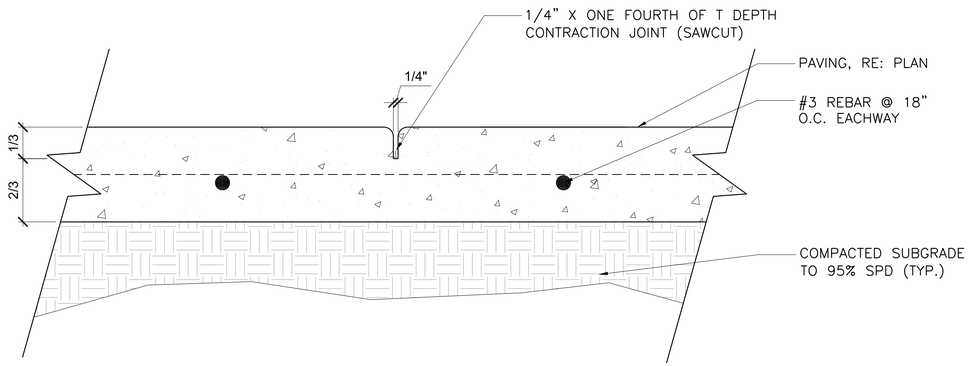
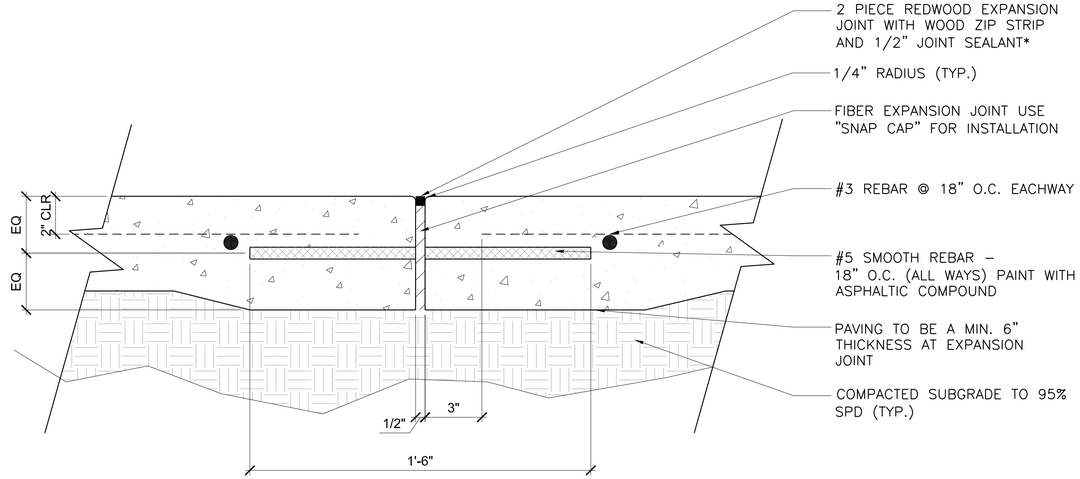
JOINT NOTE:
1. CONSTRUCTION JOINTS: SET CONSTRUCTION JOINTS AT SIDE AND END TERMINATIONS OF PAVEMENT AND AT LOCATIONS WHERE PAVEMENT OPERATIONS ARE STOPPED FOR MORE THAN ONE-HALF HOUR UNLESS PAVEMENT TERMINATES AT ISOLATION JOINTS.
2. ISOLATION JOINTS: FORM ISOLATION JOINTS OF PERFORMED JOINT-FILLER STRIPS ABUTTING CONCRETE CURBS. CATCH BASINS, MANHOLES, INLETS, STRUCTURES, WALKS, OTHER FIXED OBJECTS, AND WHERE INDICATED.
3. CONTRACTION JOINTS: FROM WEAKENED-PLANE CONTRACTION JOINTS, SECTIONING CONCRETE INTO AREAS AS INDICATED. CONSTRUCT CONTRACTION JOINTS FOR A DEPTH EQUAL TO AT LEAST ONE-FOURTH OF THE CONCRETE THICKNESS.
4. EDGES: TOOL EDGES OF PAVEMENT, GUTTERS, CURBS, AND JOINTS IN CONCRETE AFTER INITIAL FLOATING WITH AN EDGING TOOL TO A 1/4-INCH (6-MM) RADIUS. REPEAT TOOLING OF EDGES AFTER APPLYING SURFACE FINISHES. ELIMINATE TOOL MARKS ON CONCRETE SURFACES.
5. SAW CUT JOINTS SHALL BE PLACED IN FRESH CONCRETE. CONCRETE MOCKUP WITH SAW CUTS TO BE REVIEWED FOR APPROVAL BY LANDSCAPE ARCTHIECT PRIOR TO CONSTRUCTION.
6. SAW CUT JOINTS SHALL BE HAND FINISHED AT WALLS AN OTHER VERTICAL OBSTRUCTIONS.
7. REFER TO FOR JOINT PATTERN.

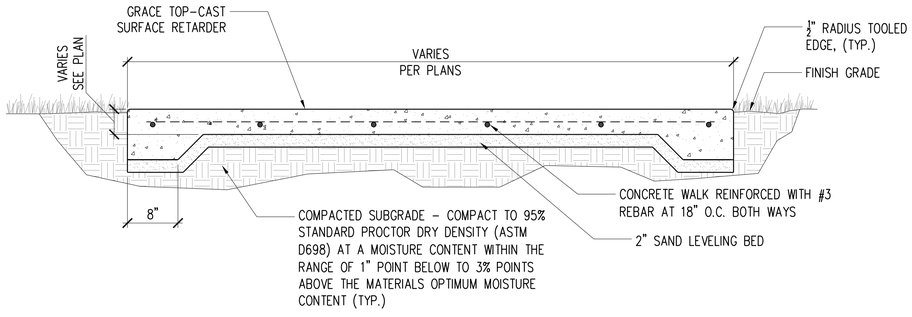


1 C-528 SAWCUT / CONTRACTION JOINT SECTION
3"=1'-0"



NOTE:
* CONTRACTOR TO SUBMIT JOINT SEALANT COLORS TO OWNER FOR APPROVAL

2 C-528 EXPANSION JOINT SECTION
3"=1'-0"



NOTES:
1. SEE GEOTECHNICAL INVESTIGATION REPORT AND SPECIFICATIONS FOR OTHER SITE REPARATION AND PAVEMENT DESIGN CONSIDERATIONS.
2. CONCRETE WALK PAVING TO BE 3600 PSI.
3. REFER 2/C-528 FOR EXPANSION JOINT DETAIL.
4. REFER 1/C-528 FOR SAW CUT JOINT DETAIL

3 C-528 CONCRETE WALK
1"=1'-0"

1

4 C-528 NOT USED
-

Know what's below. Call before you dig.

GEORGIA REGISTERED PROFESSIONAL ENGINEER TRICIA H. HALEY No. PE027177 10/23/17

CITY OF ATLANTA DEPARTMENT OF watershed management
JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

PAVING DETAILS

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	10/2/2017
1	REV. 1 - ISSUED FOR CONSTRUCTION	10/23/2017

PROJECT NO:	
DESIGNED BY:	JP2
DRAWN BY:	MM / SF
CHECKED BY:	TTH
DATE:	10-23-2017
SCALE:	1" = 30'

DRAWING NO.
C-528

SHEET OF

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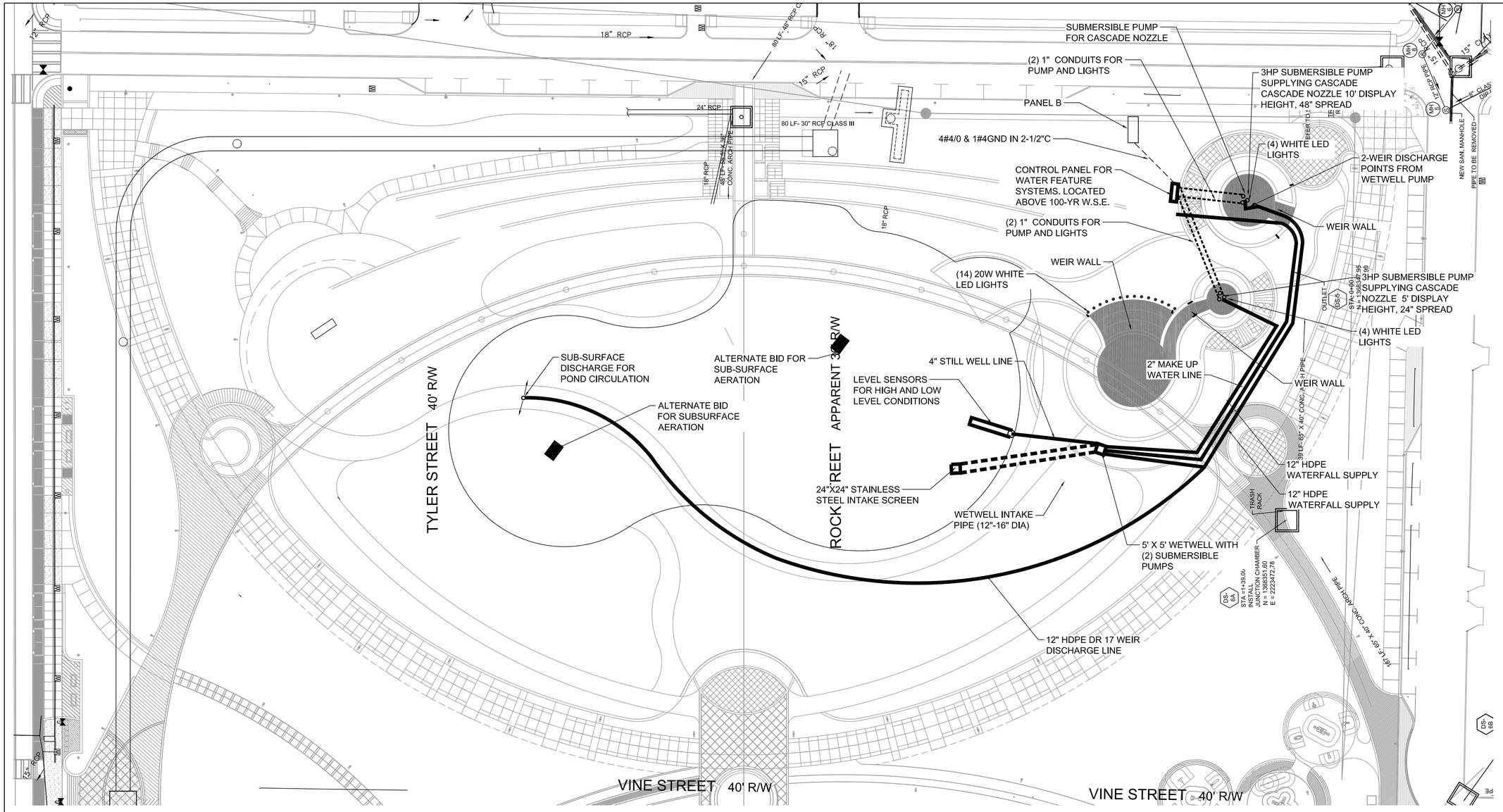
Plot Date: 10/20/2017 5:45 PM Plot By: 02589 Filename: N:\LA\100%\Drawings\CV-JP2-DT-SITE MISC.dwg



1 EF-001 ELECTRICAL SITE PLAN
SCALE: 1" = 60'-0"

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

POWER TO WATER FEATURE CONTROL PANEL

No.	Description	Date
0	ISSUED FOR CONSTRUCTION	10/2/2017

PROJECT NO:
DESIGNED BY:
DRAWN BY: NO/ARC
CHECKED BY: THH
DATE: 10-2-2017
SCALE:

DRAWING NO.
EF-001

SHEET ---- OF 24

CITY OF ATLANTA DEPARTMENT OF watershed management
jp2
5887 Glenridge Drive
Suite 380
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

Know what's below. Call before you dig.

ACAD Rel: 19.1s (LMS Tech)
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Last Saved: 10/2/2017 1:59 PM Saved By: STrakhman

Plot Date: 10/2/2017 2:00 PM Plot By: STrakhman Filename: E:\73_WS\T-2\EF-001.dwg

GENERAL NOTES

1. GENERAL

1.1. ALL CONSTRUCTION SHALL CONFORM TO THE 2012 INTERNATIONAL BUILDING CODE, WITH 2017 GEORGIA STATE AMENDMENTS. REFERENCE TO OTHER STANDARDS OR CODES SHALL MEAN THE LATEST STANDARD OR CODE ADOPTED & PUBLISHED.

1.2. DRAWINGS SHOW TYPICAL & CERTAIN SPECIFIC CONDITIONS ONLY. FOR DETAILS NOT SPECIFICALLY SHOWN, PROVIDE DETAILS SIMILAR TO THOSE SHOWN.

1.3. EXISTING STRUCTURES & UNDERGROUND UTILITIES/STRUCTURES ARE ON DRAWINGS FOR CLARITY ONLY. VERIFY ALL EXISTING CONDITIONS, DIMENSIONS & ELEVATIONS BEFORE STARTING WORK. NOTIFY STRUCTURAL ENGINEER IN WRITING OF ANY INTERFERENCE AND/OR DISCREPANCIES THAT MIGHT EXIST.

1.4. THE DESIGN, ADEQUACY, AND SAFETY OF ERECTION BRACING, SHORING TEMPORARY SUPPORTS, ETC., IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

1.5. COORDINATE STRUCTURAL CONTRACT DOCUMENTS WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING & CIVIL. NOTIFY STRUCTURAL ENGINEER OF ANY CONFLICT AND/OR OMISSION.

1.6. FOR DIMENSIONS NOT SHOWN, SEE CIVIL DRAWINGS.

1.7. REVIEW OF SUBMITTALS AND/OR SHOP DRAWINGS BY THE STRUCTURAL ENGINEER DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO REVIEW & CHECK SHOP DRAWINGS BEFORE SUBMITTAL TO THE STRUCTURAL ENGINEER. THE CONTRACTOR REMAINS SOLELY RESPONSIBLE FOR ERRORS & OMISSIONS ASSOCIATED WITH THE PREPARATION OF SHOP DRAWINGS AS THEY PERTAIN TO MEMBER SIZES, DETAILS, & DIMENSIONS SPECIFIED IN THE CONTRACT DOCUMENTS. CONTRACTOR IS ALSO RESPONSIBLE FOR MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES OF CONSTRUCTION.

1.8. STRUCTURAL DESIGN DRAWINGS SHALL NOT BE REPRODUCED AS SHOP DRAWINGS. CONTRACTOR & HIS SUBCONTRACTORS SHALL PREPARE ORIGINAL SHOP DRAWINGS.

1.9. CONTRACTOR SHALL REVIEW & STAMP ALL SHOP DRAWINGS BEFORE SUBMITTAL FOR REVIEW. PROPOSED FABRICATION CHANGES FROM DESIGN DRAWINGS SHALL BE NOTED IN SHOP DRAWINGS. ANY DISCREPANCIES BETWEEN ARCHITECTURAL & STRUCTURAL DRAWINGS SHALL BE NOTED TO BE VERIFIED ON SHOP DRAWINGS.

2. FOUNDATIONS

2.1. THE DESIGN OF FOUNDATIONS & RETAINING WALLS IS BASED ON THE CRITERIA ASSUMED BY THE STRUCTURAL ENGINEER. ALL DESIGN ASSUMPTIONS SHALL BE VERIFIED BY A GEOTECHNICAL ENGINEER REGISTERED IN THE STATE OF GEORGIA & DESIGNATED BY THE OWNER PRIOR TO START OF THE WORK.

2.2. TOP OF FOOTING ELEVATIONS SHOWN ON STRUCTURAL DRAWINGS ARE FOR ESTIMATING ONLY. FINAL BEARING ELEVATIONS FOR FOOTINGS SHALL BE DETERMINED IN THE FIELD BY THE GEOTECHNICAL ENGINEER TO SATISFY ASSUMED DESIGN BEARING VALUES.

2.3. DRILL SMALL TEST HOLE IN SUBGRADE UNDER FOOTING BEARINGS TO CONFIRM BEARING CONDITIONS WHERE REQUIRED BY THE GEOTECHNICAL ENGINEER.

2.4. GEOTECHNICAL ENGINEER SHALL VERIFY CONDITION AND/OR ADEQUACY OF ALL SUBGRADES, FILLS & BACKFILLS BEFORE PLACEMENT OF FOUNDATIONS, FOOTINGS, SLABS, WALLS, FILLS, BACKFILLS, ETC.

2.5. SIDES OF FOUNDATIONS SHALL BE FORMED UNLESS CONDITIONS PERMIT EARTH FORMING. FOUNDATIONS POURED AGAINST THE EARTH REQUIRE THE FOLLOWING PRECAUTIONS: SLOPE SIDES OF EXCAVATIONS AS APPROVED BY GEOTECHNICAL ENGINEER & CLEAN UP SLOUGH BEFORE & DURING CONCRETE PLACEMENT.

2.6. WHERE FOOTING STEPS ARE NECESSARY, THEY SHALL BE NO STEEPER THAN ONE VERTICAL TO TWO HORIZONTAL.

2.7. UNLESS NOTED OTHERWISE, SLAB-ON-GRADE SHALL BE MINIMUM 4" THICK CONCRETE, PLACED ON 6 mil POLYETHYLENE VAPOR BARRIER LAPPED NOT LESS THAN 6", ON 4" THICK #57 STONE ON COMPACTED SUBGRADE, & REINFORCED WITH 6X6-W1.4 x W1.4. PLACE CONTROL JOINTS AT COLUMN LINES & AT INTERMEDIATE LINES SUCH THAT AREA OF EACH PANEL DOES NOT EXCEED 600 SQUARE FEET. LOCATE CONSTRUCTION JOINTS AT CONTROL JOINTS. CONSULT WITH GEOTECHNICAL ENGINEER FOR ADDITIONAL REQUIREMENTS ON SUBGRADE.

2.8. COMPACT ALL FILL USED UNDER SLAB TO 98% OF STANDARD PROCTOR DENSITY AT OPTIMUM MOISTURE CONTENT.

2.9. ESTABLISH BENCH MARKS ON SURROUNDING STRUCTURES & PAVEMENTS PRIOR TO EXCAVATION, MONITOR VERTICAL & HORIZONTAL REGULARLY DURING EXCAVATION & CONSTRUCTION & SUBMIT WRITTEN REPORTS TO ARCHITECT & STRUCTURAL ENGINEER FOR REVIEW.

2.10. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING SAFETY IN CONNECTION WITH EARTH SLOPES CAUSED BY TRENCHING, EXCAVATION AND/OR FILL DURING CONSTRUCTION.

2.11. BOTTOM OF ALL FOUNDATIONS SHALL EXTEND A MINIMUM OF 12 INCHES BELOW THE TOP OF FINISH GRADE.

3. REINFORCED CONCRETE

3.1. ALL CONCRETE WORK SHALL CONFORM TO ACI 301, SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS. DESIGN IS BASED ON ACI 318-11, BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE

3.2. UNLESS NOTED OTHERWISE, ALL CONCRETE SHALL BE NORMAL WEIGHT & SHALL HAVE MINIMUM 28 DAY STRENGTHS AS FOLLOWS:

RETAINING WALLS.....3000 PSI

JUNCTION BOXES.....5000 PSI

OTHER.....4000 PSI

3.3. THE PROPOSED MATERIALS & MIX DESIGN SHALL BE FULLY DOCUMENTED & REVIEWED BY THE OWNER'S TESTING LABORATORY. RESPONSIBILITY FOR OBTAINING THE REQUIRED DESIGN STRENGTH IS THE CONTRACTOR'S.

3.4. USE OF CALCIUM CHLORIDE, CHLORIDE IONS, OR OTHER SALTS IN CONCRETE IS NOT PERMITTED.

3.5. HORIZONTAL CONSTRUCTION JOINTS ARE PERMITTED ONLY WHERE INDICATED. THE LOCATIONS OF VERTICAL CONSTRUCTION JOINTS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER. CONSTRUCTION JOINTS SHALL BE THOROUGHLY ROUGHENED BY MECHANICAL MEANS & CLEANED.

3.6. UNLESS NOTED OTHERWISE, CHAMFER OR ROUND ALL EXPOSED CORNERS MINIMUM 3/4". SEE ARCHITECTURAL DRAWINGS FOR CHAMFER OR REVEAL REQUIREMENTS FOR ARCHITECTURAL CONCRETE.

3.7. DETAIL CONCRETE REINFORCEMENT & ACCESSORIES IN ACCORDANCE WITH THE LATEST EDITION OF ACI 315 & ACI DETAILING MANUAL (LATEST EDITION). SUBMIT SHOP DRAWINGS FOR REVIEW SHOWING ALL FABRICATION DIMENSIONS & LOCATIONS FOR PLACING REINFORCING STEEL & ACCESSORIES. DO NOT BEGIN FABRICATION UNTIL SHOP DRAWINGS ARE COMPLETED & REVIEWED.

3.8. DETAIL ALL CONCRETE WALLS & BEAMS ON THE SHOP DRAWINGS IN ELEVATION UNLESS SPECIFICALLY APPROVED OTHERWISE.

3.9. REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60 UNLESS NOTED OTHERWISE.

3.10. WELDED WIRE FABRIC (MESH) SHALL CONFORM TO ASTM A185.

3.11. TIE ALL REINFORCING STEEL & EMBEDMENTS SECURELY IN PLACE PRIOR TO PLACING CONCRETE. PROVIDE SUFFICIENT SUPPORTS TO MAINTAIN THE POSITION OF REINFORCEMENT WITHIN SPECIFIED TOLERANCES DURING ALL CONSTRUCTION ACTIVITIES.

3.12. PROVIDE CONTINUOUS REINFORCEMENT WHEREVER POSSIBLE; SPLICE ONLY AS SHOWN OR APPROVED; STAGGER SPLICES WHERE POSSIBLE; USE FULL TENSION SPLICE UNLESS NOTED OTHERWISE.

3.13. REINFORCING STEEL SHALL HAVE THE FOLLOWING CONCRETE COVER UNLESS NOTED OTHERWISE:

CONCRETE AGAINST EARTH (NOT FORMED).....3"

FORMED CONCRETE EXPOSED TO EARTH OR WEATHER

#6 THROUGH #18 BARS.....2"

#5 BARS & SMALLER.....2"

CONCRETE NOT EXPOSED TO EARTH OR WEATHER

SLABS & WALLS.....1"

BEAMS (STIRRUPS) & COLUMNS (TIES).....1-1/2"

3.14. DO NOT WELD OR TACK WELD REINFORCING STEEL UNLESS APPROVED OR DIRECTED BY THE STRUCTURAL ENGINEER.

3.15. STEEL REINFORCEMENT TO BE WELDED SHALL CONFORM TO THE REQUIREMENTS OF ASTM A706 & THAT WELDING SHALL BE IN ACCORDANCE WITH AWS D1.4-04, STRUCTURAL WELDING CODE - REINFORCING STEEL BY AMERICAN WELDING SOCIETY FOR COMPLIANCE WITH ACI 318-11 SECTION 3.5.

3.16. SEE CIVIL & ARCHITECTURAL DRAWINGS FOR EXTERIOR SLAB WORK & JOINTING.

3.17. INCLUDE AIR ENTRAINING ADMIXTURE IN ALL CONCRETE THAT WILL BE EXPOSED TO WEATHER EXCEPT IN FOOTINGS.

3.18. INCLUDE WATER REDUCING ADMIXTURE IN ALL CONCRETE MIXES.

3.19. CONCRETE THAT WILL BE EXPOSED TO WEATHER SHALL HAVE WATER CONTENT LIMITED TO A MAXIMUM OF SIX (6) GALLONS PER SACK OF CEMENT.

3.20. THE PROPOSED MATERIALS & MIX DESIGN SHALL BE FULLY DOCUMENTS & REVIEWED BY THE OWNER'S TESTING LABORATORY. RESPONSIBILITY FOR OBTAINING THE REQUIRED DESIGN STRENGTH IS THE CONTRACTOR'S. RESULTS OF COMPRESSIVE STRENGTH TESTS TO BE AVAILABLE ON SITE FOR INSPECTOR'S REVIEW.

3.21. BARS, OTHER THAN GRADE 40, SHALL BE MILL MARKED SO THAT TYPE, GRADE & YIELD STRENGTH ARE VISIBLY IDENTIFIABLE.

3.22. PROVIDE CORNER BARS AS PER TYPICAL DETAIL AT CORNERS & INTERSECTIONS OF ALL GRADE BEAMS & WALLS.

3.23. ALL REINFORCING LAP SPLICES, UNLESS OTHERWISE SHOWN, SHALL SATISFY THE FOLLOWING SCHEDULE:

CONCRETE REINFORCEMENT LAP SPLICE LENGTH (in) GRADE 60									
BAR SIZE	#3	#4	#5	#6	#7	#8	#9	#10	#11
TOP BAR *	28	37	47	57	81	93	104	117	130
OTHER	21	28	36	43	62	71	80	90	100

ALL BAR DEVELOPMENT LENGTHS, UNLESS OTHERWISE SHOWN, SHALL SATISFY THE FOLLOWING SCHEDULE:

CONCRETE REINFORCEMENT DEVELOPMENT LENGTH (in) GRADE 60									
BAR SIZE	#3	#4	#5	#6	#7	#8	#9	#10	#11
TOP BAR *	21	28	36	43	62	71	80	90	100
OTHER	17	22	28	33	48	55	62	70	77

* TOP BAR SHALL BE DEFINED AS ANY HORIZONTAL BARS PLACED SUCH THAT MORE THAN 12" OF FRESH CONCRETE IS CAST IN THE MEMBER BELOW THE BAR, IN ANY SINGLE CONCRETE PLACEMENT. HORIZONTAL WALL BARS ARE CONSIDERED TOP BARS.

4. HELICAL PILES

4.1. DUE TO THE SPECIAL REQUIREMENTS FOR DESIGN OF HELICAL PILES, HELICAL ANCHORS, AND BRACKETS, ALL HELICAL PILES, HELICAL ANCHORS, AND BRACKETS SHALL BE DESIGNED BY A LICENSED DELEGATED DESIGN PROFESSIONAL, REGISTERED IN GEORGIA, SPECIALIZED IN THE ENGINEERING AND DESIGN OF HELICAL PILES AND HELICAL ANCHORS.

4.2. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE PERFORMANCE OF THE HELICAL PILE SYSTEM. THE HELICAL PILE SYSTEM CAPACITY FOR COMPRESSION, TENSION, AND SHEAR MUST EXCEED THE LOADS NOTED IN THESE DRAWINGS.

4.3. PILE QUANTITIES AND LOCATIONS INDICATED IN THESE DRAWINGS ARE SCHEMATIC ONLY. PROVIDE ADDITIONAL PILES AS NEEDED TO EXCEED LOADS LISTED IN THESE DRAWINGS.

4.4. THE CONTRACTOR SHALL SUBMIT A QUALITY ASSURANCE PLAN TO THE ENGINEER-OF-RECORD FOR REVIEW BEFORE INSTALLATION.

4.5. THE CONTRACTOR'S HELICAL PIER DESIGN PROFESSIONAL SHALL PREPARE AND SUBMIT TO THE ENGINEER FOR REVIEW SEALED SHOP DRAWINGS AND CALCULATIONS FOR THE HELICAL PILES AND PILE CAP BRACKETS INTENDED FOR USE ON THE PROJECT AT LEAST 30 CALENDAR DAYS PRIOR TO PLANNED START OF INSTALLATION.

4.6. THE SHOP DRAWINGS SHALL INCLUDE ALL NECESSARY INFORMATION FOR SELECTION AND INSTALLATION OF THE HELICAL PILES AT LEAST BUT NOT LIMITED TO THE FOLLOWING:

HELICAL PILE AND HELICAL ANCHOR PRODUCT IDENTIFICATION NUMBER(S) AND DESIGNATION(S)

MAXIMUM ALLOWABLE MECHANICAL COMPRESSION AND TENSILE STRENGTH OF THE HELICAL PILES AND HELICAL ANCHORS

NUMBER OF HELICAL PILES AND HELICAL ANCHORS AND RESPECTIVE DESIGN ALLOWABLE CAPACITIES FROM THE DRAWINGS

PLANNED INSTALLATION DEPTH AND THE NUMBER OF LEAD AND EXTENSION SECTIONS

Know what's **below.** **Call** before you dig.

GEORGIA REGISTERED No. 028480 PROFESSIONAL ENGINEER BRIAN K. TUCK

Brian Tuck

Oct 23 2017

JP2
5887 Glenridge Drive
Suite 350
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPARTMENT OF watershed management

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

GENERAL NOTES

No.	Description	Date
A	90% SUBMITTAL - FOR CITY REVIEW	2/15/2017
B	90% DRAINAGE STRUCTURES	4/28/2017
C	90% SUBMITTAL TO COA	10/23/2017
D	100% SUBMITTAL	

PROJECT NO: 7383-E
DESIGNED BY: SS
DRAWN BY: SS
CHECKED BY: BKT
DATE: 5/12/17
SCALE: NOTED

DRAWING NO.
S-000

SHEET OF

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GENERAL NOTES

PRELIMINARY HELICAL CONFIGURATION (NUMBER AND DIAMETER OF HELICAL BEARING PLATES)

MANUFACTURER'S RECOMMENDED CAPACITY TO INSTALLATION TORQUE RATIO

MINIMUM FINAL INSTALLATION TORQUE(S)

PRODUCT IDENTIFICATION NUMBERS AND DESIGNATIONS FOR ALL BRACKET ASSEMBLIES AND NUMBER AND SIZE OF CONNECTION BOLTS OR CONCRETE REINFORCING STEEL DETAIL

CORROSION PROTECTION COATING ON HELICAL PILES, HELICAL ANCHORS, AND BRACKET ASSEMBLIES

4.7. THE CALCULATIONS SHALL INCLUDE THE FOLLOWING:

REDUCTION IN SHAFT DIMENSION AND STRENGTH BY THE SACRIFICIAL THICKNESS ANTICIPATED BASED ON CORROSION LOSS OVER THE DESIGN LIFE FOR PROJECT SOIL CONDITIONS.

MINIMUM INSTALLATION DEPTH TO REACH BEARING STRATUM AND TO ACHIEVE PULLOUT CAPACITY.

SOIL BEARING AND PULLOUT CAPACITY.

LATERAL RESISTANCE OF THE SHAFT.

ESTIMATED PILE HEAD MOVEMENT AT DESIGN LOADS.

4.8. IT IS THE CONTRACTOR'S PILE DESIGN PROFESSIONAL'S RESPONSIBILITY TO SELECT THE APPROPRIATE SIZE AND TYPE OF HELICAL PILES, HELICAL ANCHORS, AND BRACKETS TO SUPPORT THE DESIGN LOADS SHOWN ON THE DRAWINGS. THESE SPECIFICATIONS AND THE DRAWINGS PROVIDE MINIMUM REQUIREMENTS TO AID THE CONTRACTOR IN MAKING APPROPRIATE MATERIALS SELECTIONS. THE SIZE AND NUMBER OF HELICAL BEARING PLATES MUST BE SUCH THAT THE HELICAL PILES AND HELICAL ANCHORS ACHIEVE THE APPROPRIATE TORQUE AND CAPACITY IN THE SOILS AT THE SITE WITHIN THE MINIMUM AND MAXIMUM LENGTH REQUIREMENTS. FAILURE TO ACHIEVE PROPER TORQUE AND CAPACITY SHALL RESULT IN CONTRACTOR REPLACING HELICAL PILES AND HELICAL ANCHORS AS APPROPRIATE TO SUPPORT THE REQUIRED LOADS. ALL MATERIAL REPLACEMENTS SHALL BE ACCEPTABLE TO ENGINEER.

4.9. HELICAL PILES AND HELICAL ANCHORS SHALL BE ADVANCED UNTIL ALL OF THE FOLLOWING CRITERIA ARE SATISFIED:

AXIAL CAPACITY IS VERIFIED BY ACHIEVING THE FINAL INSTALLATION TORQUE AS SHOWN ON THE DRAWINGS OR AS PROVIDED BY THE PILE DESIGN PROFESSIONAL.

MINIMUM DEPTH IS OBTAINED. THE MINIMUM DEPTH SHALL BE AS SHOWN ON THE DRAWINGS, THAT WHICH CORRESPONDS TO THE PLANNED BEARING STRATUM, OR THE DEPTH AT WHICH THE FINAL INSTALLATION TORQUE IS MEASURED, WHICHEVER IS GREATER. IN ADDITION, HELICAL ANCHORS SHALL BE ADVANCED UNTIL THE AVERAGE TORQUE OVER THE LAST THREE (3) FEET EQUALS OR EXCEEDS THE REQUIRED FINAL INSTALLATION TORQUE.

4.10. LOAD TESTING SHALL BE PERFORMED AS DEEMED NECESSARY BY THE CONTRACTOR TO ENSURE PERFORMANCE OF THE HELICAL PILE SYSTEM, HOWEVER THE FOLLOWING TESTS SHALL BE PERFORMED AT MINIMUM:

TWO HELICAL PILE TENSION TESTS

TWO HELICAL PILE COMPRESSION TESTS

TWO HELICAL PILE SHEAR TESTS

4.11. LOAD TESTING SHALL BE MONITORED BY A THIRD PARTY INSPECTOR AND THE RESULTS SHALL BE REPORTED TO THE ENGINEER-OF-RECORD.

5. POST-INSTALLED REBAR & ANCHORS

5.1. SPECIFIC PRODUCT, DIAMETER, AND EMBEDMENT SHALL BE SHOWN IN THE DETAILS. INSTALL PRODUCTS IN ACCORDANCE WITH MANUFACTURER' PRINTED INSTALLATION INSTRUCTIONS (MPII). CONTRACTOR SHALL CONTACT MANUFACTURER'S REPRESENTATIVE FOR PRODUCT INSTALLATION TRAINING AND SHALL SUBMIT LETTER TO THE ENGINEER-OF-RECORD (EOR) INDICATING TRAINING HAS TAKEN PLACE. REFER TO THE PROJECT BUILDING CODE AND/OR EVALUATION REPORT FOR SPECIAL INSPECTIONS AND PROOF LOAD REQUIREMENTS. SUBSTITUTION REQUESTS FOR PRODUCTS OTHER THAN THOSE LISTSED BELOW MAY BE SUBMITTED BY THE CONTRACTOR TO THE EOR FOR REVIEW. SUBSTITUTIONS WILL ONLY BE CONSIDERED FOR PRODUCTS HAVING A RESEARCH REPORT RECOGNIZING THE PRODUCT FOR THE APPROPRIATE APPLICATION UNDER THE PROJECT BUILDING CODE. SUBSTITUTION REQUEST SHALL INCLUDE CALCULATIONS THAT DEMONSTRATE THE SUBSTITUTED PRODUCT IS CAPABLE OF ACHIEVING THE EQUIVALENT PERFORMANCE VALUES OF THE DESIGN BASIS PRODUCT.

5.2. FOR ANCHORING INTO CONCRETE:

5.3. MECHANICAL ANCHORS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ACI 355.2 AND ICC-ES AC193 FOR CRACKED CONCRETE AND SEISMIC APPLICATIONS.

5.4. ADHESIVE FOR REBAR AND ANCHORS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ACI355.4 AND ICC-ES AC308 FOR CRACKED CONCRETE AND SEISMIC APPLICATIONS. DESIGN ADHESIVE BOND STRENGTH HAS BEEN BASED ON ACI 355.4 TEMPERATURE CATEGORY B WITH INSTALLATIONS INTO DRY HOLES DRILLED USING A CARBIDE DRILL BIT INTO CRACKED CONCRETE THAT HAS CURED FOR AT LEAST 21 DAYS. ADHESIVE ANCHORS REQUIRING CERTIFIED INSTALLATIONS SHALL BE INSTALLED BY A CERTIFIED ADHESIVE ANCHOR INSTALLER PER ACI 318-11 D.9.2.2 INSTALLATIONS REQUIRING CERTIFIED INSTALLERS SHALL BE INSPECTED PER ACI 318-11 D.9.2.4.

6. SPECIAL INSPECTIONS

6.1. STRUCTURAL TESTS AND INSPECTIONS SHALL COMPLY WITH THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE.

6.2. THE INSPECTOR SHALL BE HIRED AND PAID FOR BY THE OWNER.

6.3. THE INSPECTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH THE APPROVED STRUCTURAL PLANS AND SHALL SUBMIT PROGRESS REPORTS AND INSPECTION REPORTS TO THE BUILDING OFFICIAL AND TO THE STRUCTURAL ENGINEER OF RECORD.

6.4. SATISFY MINIMUM INSPECTION AND QUALITY CONTROL REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE.

6.5. SEE S001 FOR SCHEDULE OF SPECIAL INSPECTIONS.

PROJECT

MATERIAL / ACTIVITY	SERVICE	APPLICABLE TO THIS PROJECT Y/N	APPLICABLE TO THIS PROJECT EXTENT
1704.7 SOILS			
VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	FIELD INSPECTION	Y	PERIODIC
VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	FIELD INSPECTION	Y	PERIODIC
PERFORM CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS.	FIELD INSPECTION	Y	PERIODIC
VERIFY SITE PREPARATION COMPLIES WITH APPROVED SOILS REPORT.	FIELD INSPECTION	Y	CONTINUOUS
VERIFY USE OF PROPER MATERIALS, DENSITIES, AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF CONTROLLED FILL	FIELD INSPECTION	Y	CONTINUOUS
PRIOR TO PLACEMENT OF CONTROLLED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY	FIELD INSPECTION	Y	PERIODIC
VERIFY DRY-DENSITY OF COMPACTED FILL COMPLIES WITH APPROVED SOILS REPORT.	REVIEW FIELD TESTING	Y	PERIODIC
1704.8 PILE FOUNDATIONS			
VERIFY PILE MATERIALS, SIZES AND LENGTHS COMPLY WITH REQUIREMENTS.	FIELD INSPECTION AND SUBMITTAL REVIEW	Y	CONTINUOUS
VERIFY CAPACITIES OF TEST PILES AND RESULTS OF ADDITIONAL LOAD TESTS, AS REQUIRED.	FIELD INSPECTION AND SUBMITTAL REVIEW	Y	CONTINUOUS
OBSERVE PILE INSTALLATION OPERATIONS AND MAINTAIN COMPLETE AND ACCURATE RECORDS FOR EACH PILE	FIELD INSPECTION AND SUBMITTAL REVIEW. SUBMITTAL TO THE BLDG OFFICIAL OF THE RESULTS OF PILE LOAD TESTS.	Y	CONTINUOUS
VERIFY PLACEMENT LOCATIONS AND PLUMBNESS, CONFIRM TYPE AND SIZE OF HAMMER, RECORD TORQUE, VERIFY REQUIRED PENETRATIONS TO ACHIEVE DESIGN CAPACITY, RECORD TIP AND BUTT ELEVATIONS, AND DOCUMENT ANY PILE DAMAGE.	FIELD INSPECTION AND SUBMITTAL REVIEW.	Y	CONTINUOUS
FOR STEEL PILES, PERFORM ADDITIONAL INSPECTIONS PER SECTION 1704.3	SEE SECTION 1704.3	Y	SEE SECTION 1704.3
FOR SPECIALTY PILES, PERFORM ADDITIONAL INSPECTIONS AS DETERMINED BY THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE.	FIELD INSPECTION	Y	PERIODIC OR CONTINUOUS
1704.4 CONCRETE CONSTRUCTION			
INSPECTION OF REINFORCING STEEL INSTALLATION.	FIELD INSPECTION	Y	PERIODIC
INSPECTION OF CAST-IN-PLACE BOLTS PRIOR TO AND DURING PLACEMENT OF CONCRETE WHERE ALLOWABLE LOADS HAVE BEEN INCREASED PER IBC SECTION 1912.5.	FIELD INSPECTION	Y	CONTINUOUS
VERIFICATION OF REQUIRED DESIGN MIX.	REVIEW SUBMITTALS	Y	PERIODIC
FRESH CONCRETE SAMPLING	FIELD TESTING	Y	CONTINUOUS
INSPECTION OF CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	FIELD REVIEW	Y	CONTINUOUS
CONCRETE CURING OPERATIONS	FIELD REVIEW	Y	PERIODIC
EVALUATION OF CONCRETE STRENGTH.	FIELD TESTING AND REVIEW OF LABORATORY REPORTS	Y	PERIODIC
INSPECTION OF FORMWORK FOR SHAPE, LINES, LOCATION AND DIMENSIONS	FIELD INSPECTION	Y	PERIODIC
1705.13 POST-INSTALLED ANCHORS			
POST-INSTALLED ANCHORS: PREPARE A REPORT INCLUDING THE FOLLOWING DETAILS: A. ANCHOR DESCRIPTION, INCLUDING THE ANCHOR PRODUCT NAME, NOMINAL ANCHOR, AND BOLT DIAMETERS, AND ANCHOR LENGTHS B. HOLE DESCRIPTION INCLUDING VERIFICATION OF DRILL BIT COMPLIANCE WITH ANSI B212.15-1994. RECORD INSTALLATION DESCRIPTION, INCLUDING VERIFICATION OF MASONRY/CONCRETE COMPRESSIVE STRENGTH AND ANCHOR INSTALLATION AND LOCATION (SPACING AND EDGE DISTANCE) IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS.	FIELD INSPECTION	Y	CONTINUOUS

GEORGIA REGISTERED No. 028480 PROFESSIONAL ENGINEER BRIAN K. TUCK

Oct 23 2017

JP2
5887 Glenridge Drive
Suite 350
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

GENERAL NOTES

No.	Description	Date
A	90% SUBMITTAL - FOR CITY REVIEW	2/15/2017
B	90% DRAINAGE STRUCTURES	4/28/2017
C	90% SUBMITTAL TO COA	10/23/2017
D	100% SUBMITTAL	

PROJECT NO: 7383-E
DESIGNED BY: SS
DRAWN BY: SS
CHECKED BY: BKT
DATE: 5/12/17
SCALE: NOTED

DRAWING NO.
S-001

SHEET OF

Know what's below. Call before you dig.

ACAD Rel: 20.1s (LMS Tech)
Filename: Y:\2016 Jobs\216642 – Upper Proctor Creek–Rodney Cook Sr. Park Pond\SDI Drawings\216642 – S – 1.0.dwg
Last Saved: 10/23/2017 2:35 PM Saved By: SHOREDITSS
Plot Date: 10/23/2017 2:36 PM Plot By: SHOREDITSS Filename: Y:\2016 Jobs\216642 – Upper Proctor Creek–Rodney Cook Sr. Park Pond\SDI Drawings\216642 – S – 1.0.dwg

NOTES:

1. PLAN IS FOR LOCATION REFERENCE ONLY. SEE CIVIL DRAWINGS FOR MORE INFORMATION.
2. SEE CIVIL DRAWINGS FOR TOP OF WALL ELEVATIONS.
3. SEE 2/S-500 FOR REINFORCEMENT DETAILS AROUND WALL OPENING FOR RCP INTERSECTIONS.

LEGEND

S — INDICATES STEP IN FOOTING. (SEE 1/S-500)

— — — INDICATES FOOTING OUTLINE

═══ INDICATES RETAINING WALL

T/FTG.= 934'-0"
T/FTG.= 930'-0"
T/FTG.= 926'-0"
T/FTG.= 924'-0"
T/FTG.= 928'-0"
T/FTG.= 929'-6"
T/FTG.= 928'-6"
926'-0" 924'-0"
928'-0" 924'-0"
930'-0" 926'-0"
934'-0" 930'-0"

1 S-202
1 S-210
2 S-203
1 S-203
1 S-201
3 S-200
2 S-200
1 S-200
1 S-200
1 S-200
2 S-212
1 S-213
1 S-209
2 S-404
1 S-204

+937.5
925.0
927.0
927.0

Know what's below. Call before you dig. 811

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Oct 23 2017

CITY OF ATLANTA DEPARTMENT OF watershed management

JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

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UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

RETAINING WALL PLAN

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PROJECT NO:	7383-E
DESIGNED BY:	SS
DRAWN BY:	SS
CHECKED BY:	BKT
DATE:	5/12/17
SCALE:	NOTED

DRAWING NO.
S-100

SHEET OF

ACAD Rel: 20.1s (LMS Tech)
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Plot Date: 10/23/2017 2:36 PM Plot By: SHOREDITSS Filename: Y:\2016 Jobs\216642 - Upper Proctor Creek-Rodney Cook Sr. Park Pond\SDI Drawings\216642 - S - 200.dwg

NOTES:

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2. SEE CIVIL DRAWINGS FOR TOP OF WALL ELEVATIONS.
3. SEE 2/S-500 FOR REINFORCEMENT DETAILS AROUND WALL OPENING FOR RCP INTERSECTIONS.

LEGEND

INDICATES STEP IN FOOTING. (SEE 1/S-500)

INDICATES FOOTING OUTLINE

INDICATES RETAINING WALL

POLE #43 ALT

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JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

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UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT

RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

RETAINING WALL PLAN

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PROJECT NO:	7383-E
DESIGNED BY:	SS
DRAWN BY:	SS
CHECKED BY:	BKT
DATE:	5/12/17
SCALE:	NOTED

DRAWING NO.

S-101

SHEET OF

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ACAD Rel: 20.1s (LMS Tech)
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Plot Date: 10/23/2017 2:36 PM Plot By: SHOREDITSS Filename: Y:\2016 Jobs\216642 – Upper Proctor Creek–Rodney Cook Sr. Park Pond\SDI Drawings\216642 – S – 200.dwg

NOTES:

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2. SEE CIVIL DRAWINGS FOR TOP OF WALL ELEVATIONS.
3. SEE 2/S-500 FOR REINFORCEMENT DETAILS AROUND WALL OPENING FOR RCP INTERSECTIONS.

LEGEND

INDICATES STEP IN FOOTING. (SEE 1/S-500)

INDICATES FOOTING OUTLINE

INDICATES RETAINING WALL

POLE #43

POLE #43 ALT

WALNUT

GEORGIA REGISTERED No. 028480 PROFESSIONAL ENGINEER BRIAN K. TUCK

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JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

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UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT

RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

RETAINING WALL PLAN

No.	Description	Date
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C	90% SUBMITTAL TO COA	10/23/2017
D	100% SUBMITTAL	

PROJECT NO:	7383-E
DESIGNED BY:	SS
DRAWN BY:	SS
CHECKED BY:	BKT
DATE:	5/12/17
SCALE:	NOTED

DRAWING NO.

S-102

SHEET OF

Know what's below. Call before you dig.

ACAD Rel: 20.1s (LMS Tech)
Filename: Y:\2016 Jobs\216642 – Upper Proctor Creek–Rodney Cook Sr. Park Pond\SDI Drawings\216642 – S – 200.dwg
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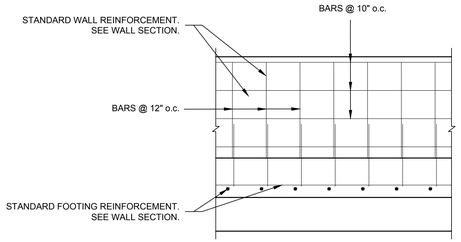
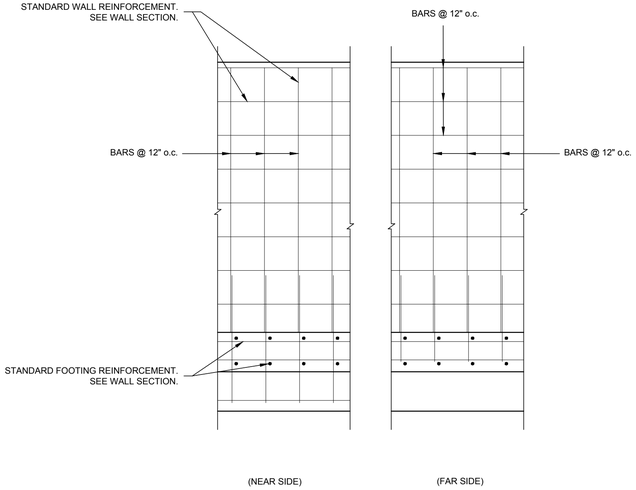
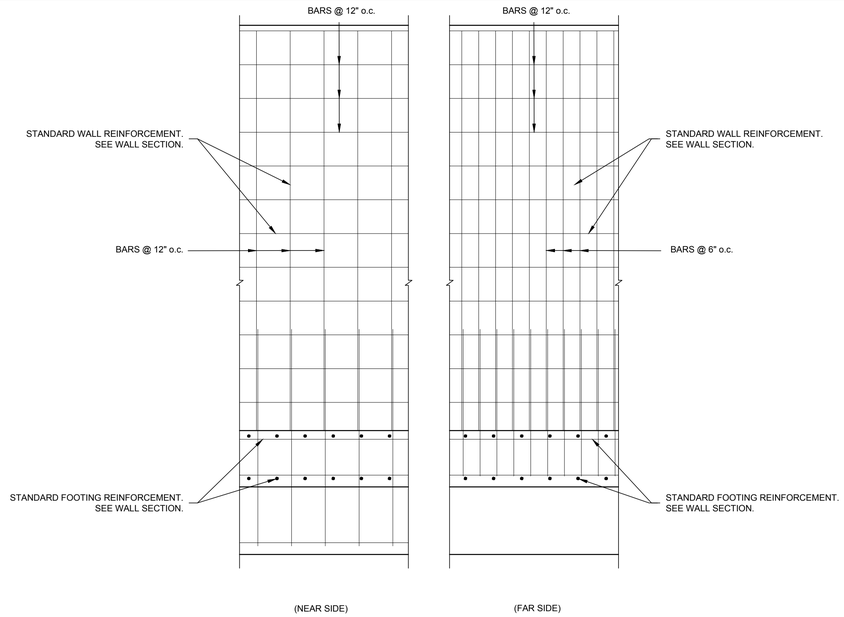


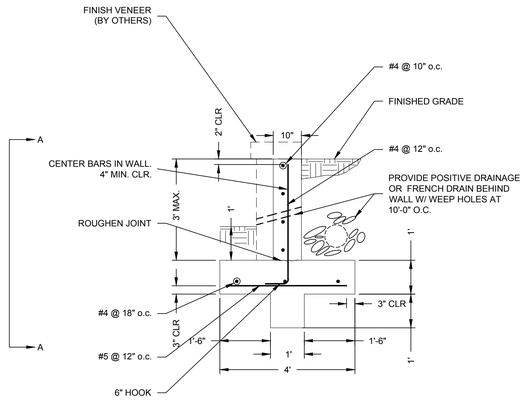
VIEW A-A



VIEW B-B

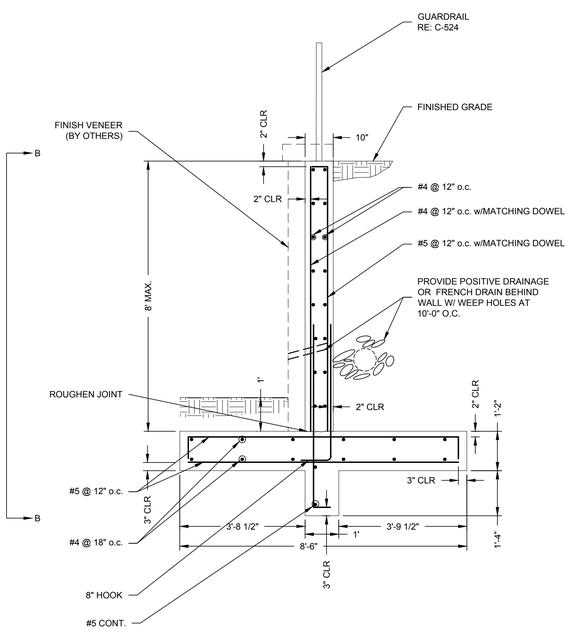


VIEW C-C



1 S-200 WALL SECTION

SCALE: N.T.S.



2 S-200 WALL SECTION

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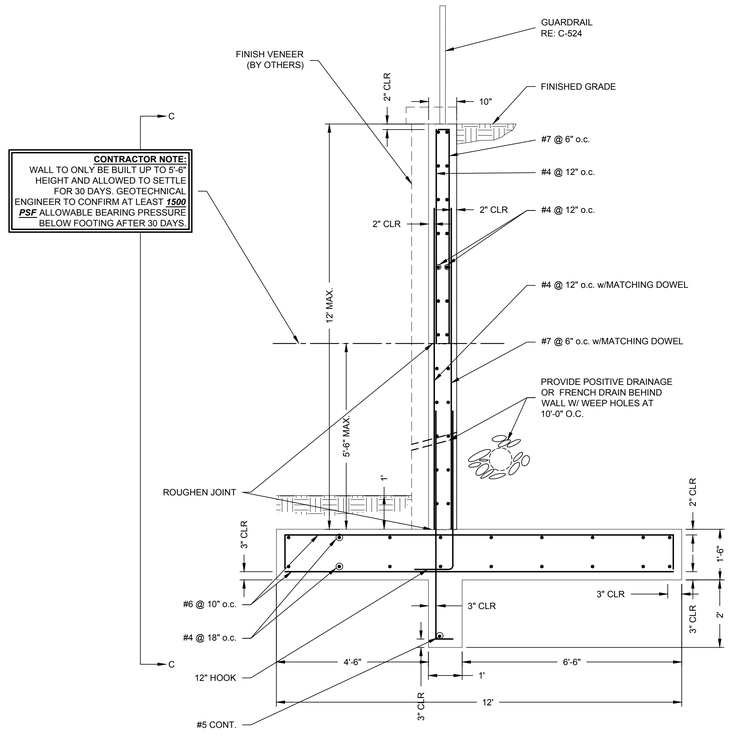

3 S-200 WALL SECTION

SCALE: N.T.S.

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JP2
5887 Glenridge Drive
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Atlanta, GA. 30328
Phone: 404.979.3300
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CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT

UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT

RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

RETAINING WALL SECTIONS

No.	Description	Date
A	90% SUBMITTAL - FOR CITY REVIEW	2/15/2017
B	90% DRAINAGE STRUCTURES	4/28/2017
C	90% SUBMITTAL TO COA	10/23/2017
D	100% SUBMITTAL	

PROJECT NO:	7383-E
DESIGNED BY:	SS
DRAWN BY:	SS
CHECKED BY:	BKT
DATE:	5/12/17
SCALE:	NOTED

DRAWING NO.

S-200

SHEET OF

ACAD Rel: 20.1s (LMS Tech)
Filename: Y:\2016 Jobs\216642 – Upper Proctor Creek–Rodney Cook Sr. Park Pond\SDI Drawings\216642 – S – 200.dwg
Last Saved: 10/23/2017 2:35 PM Saved By: SHOREDITSS

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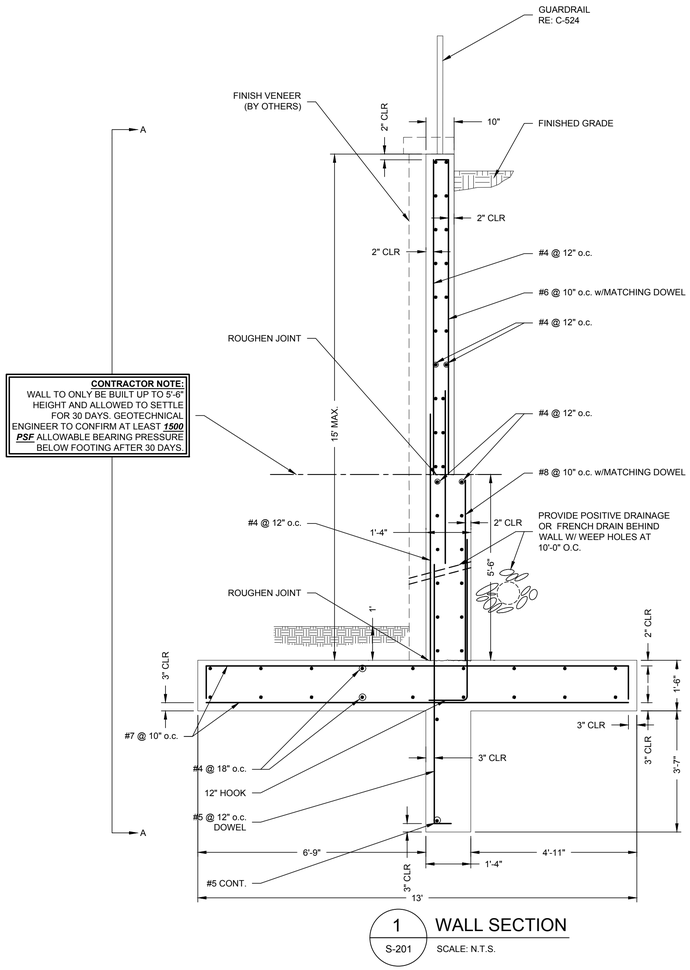
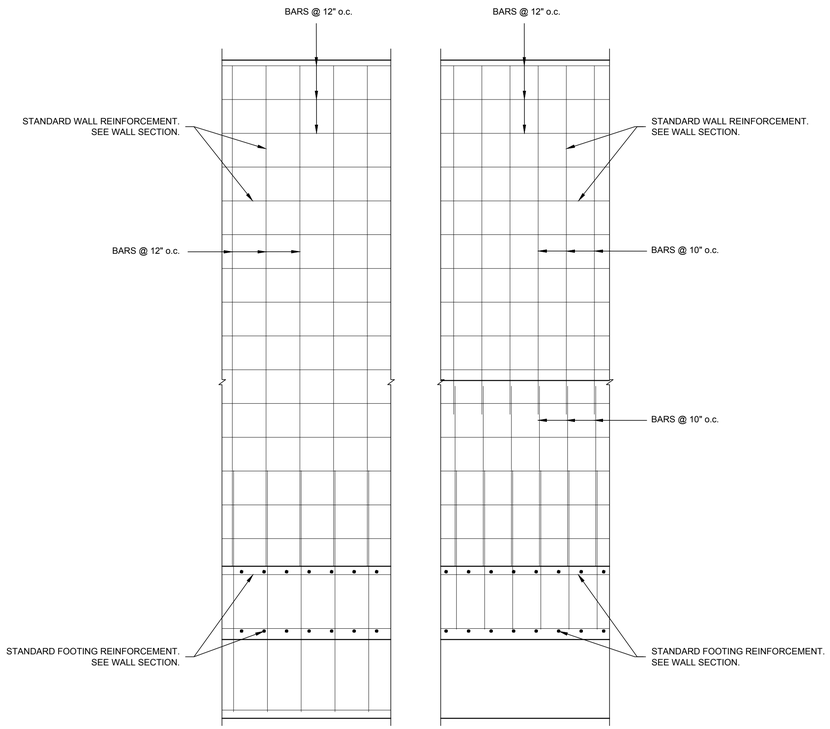


1 / S-201 WALL SECTION

SCALE: N.T.S.



VIEW A-A

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CITY OF ATLANTA DEPARTMENT OF watershed management

JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

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UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT

RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

RETAINING WALL SECTIONS

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PROJECT NO:	7383-E
DESIGNED BY:	SS
DRAWN BY:	SS
CHECKED BY:	BKT
DATE:	5/12/17
SCALE:	NOTED

DRAWING NO.

S-201

SHEET OF

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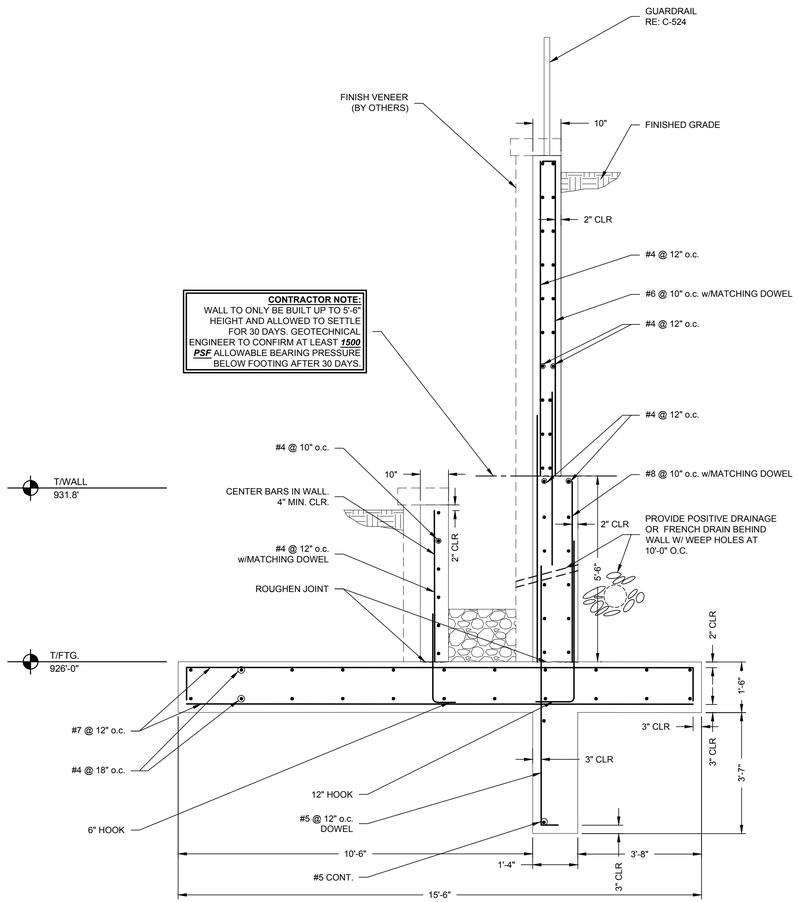
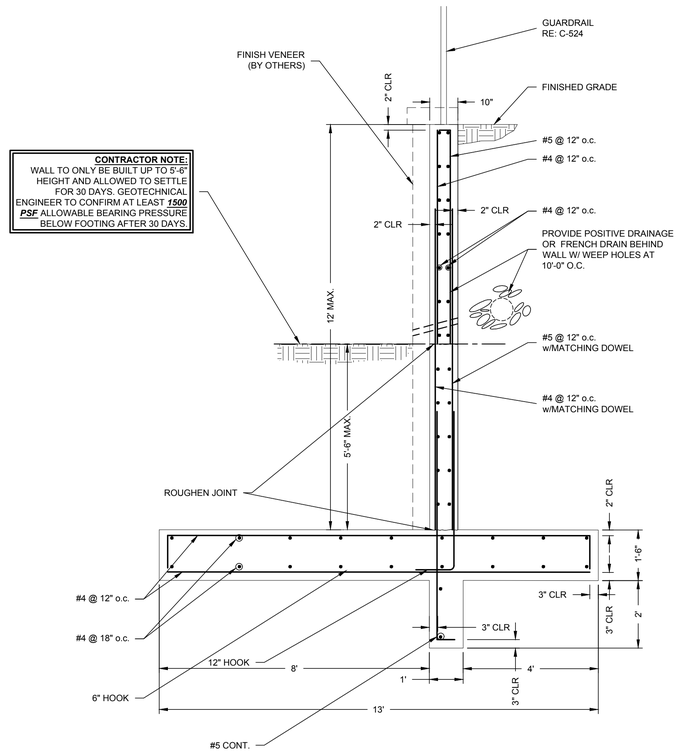


1 WALL SECTION @ OUTFALL WEIR
S-202



2 WALL SECTION
S-202

811 Know what's below. Call before you dig.

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JP2
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DRAWN BY:	SS
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DRAWING NO.
S-202

SHEET OF

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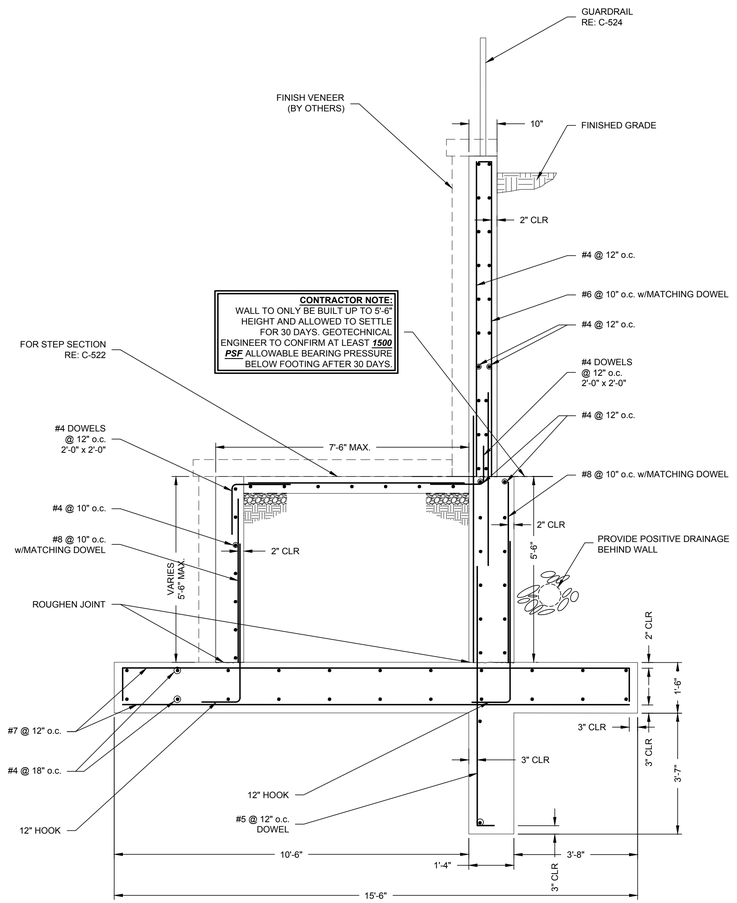
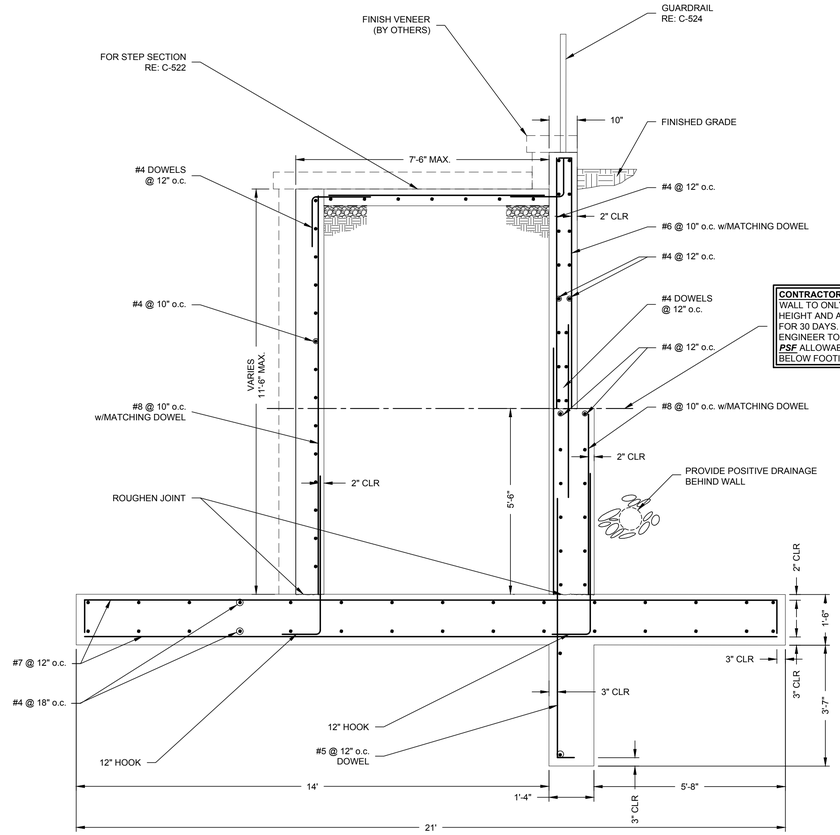


1 S-203 WALL SECTION
SCALE: N.T.S.



2 S-203 WALL SECTION
SCALE: N.T.S.

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DRAWN BY:	SS
CHECKED BY:	BKT
DATE:	5/12/17
SCALE:	NOTED

DRAWING NO.
S-203

SHEET OF

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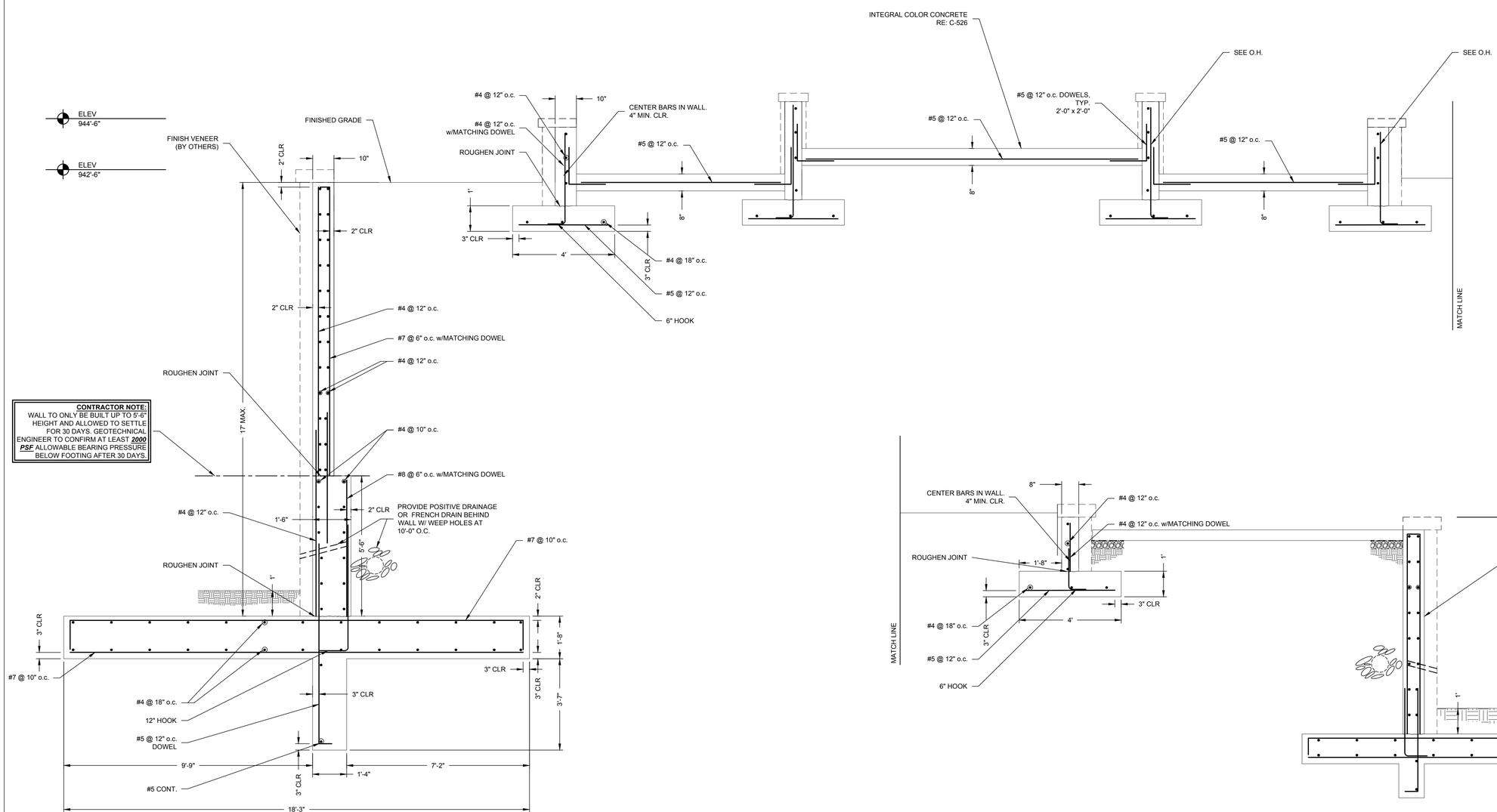

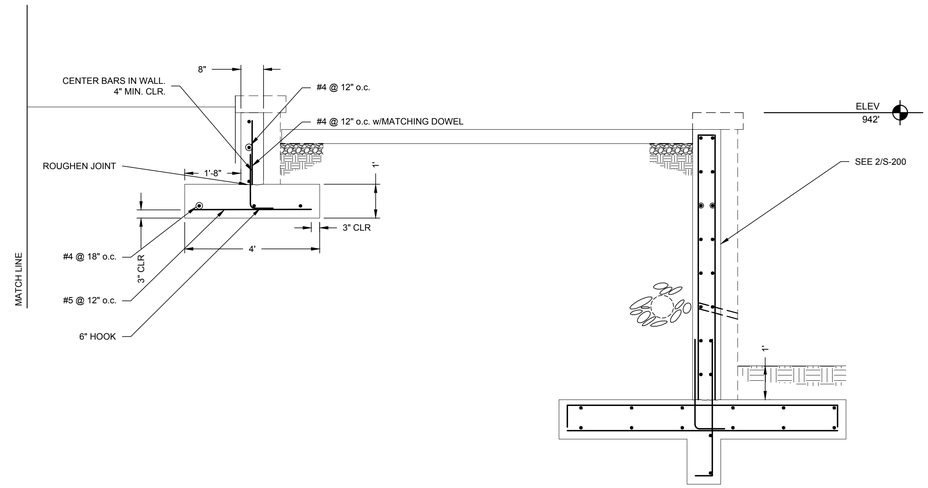

1 S-204 SECTION @ UPPER FOUNTAIN

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CITY OF ATLANTA DEPARTMENT OF watershed management
JP2
5887 Glenridge Drive
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PROJECT NO:	7383-E
DESIGNED BY:	SS
DRAWN BY:	SS
CHECKED BY:	BKT
DATE:	5/12/17
SCALE:	NOTED

DRAWING NO.
S-204

SHEET OF

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ACAD Rel: 20.1s (LMS Tech)
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Last Saved: 10/23/2017 2:35 PM Saved By: SHOREDITSS

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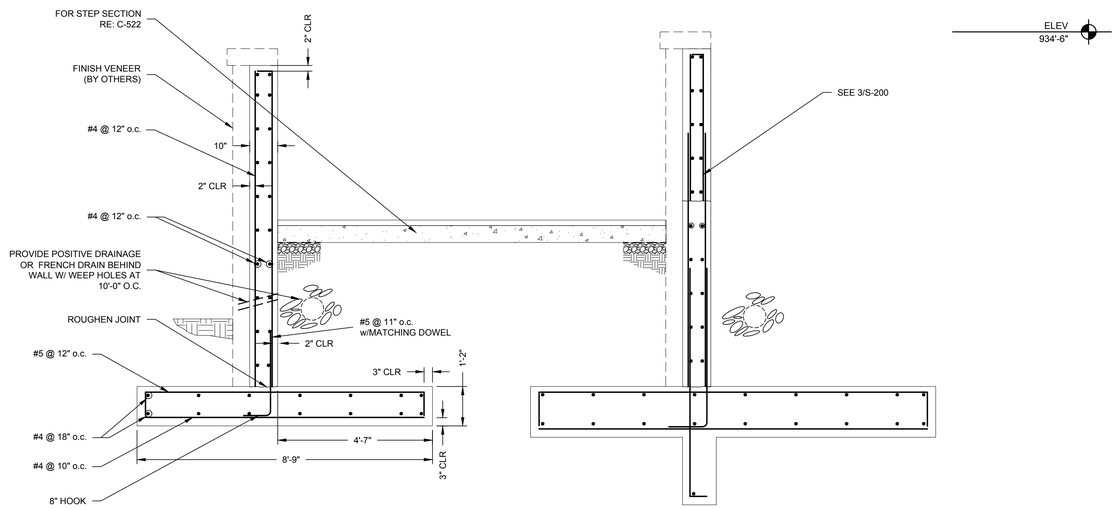
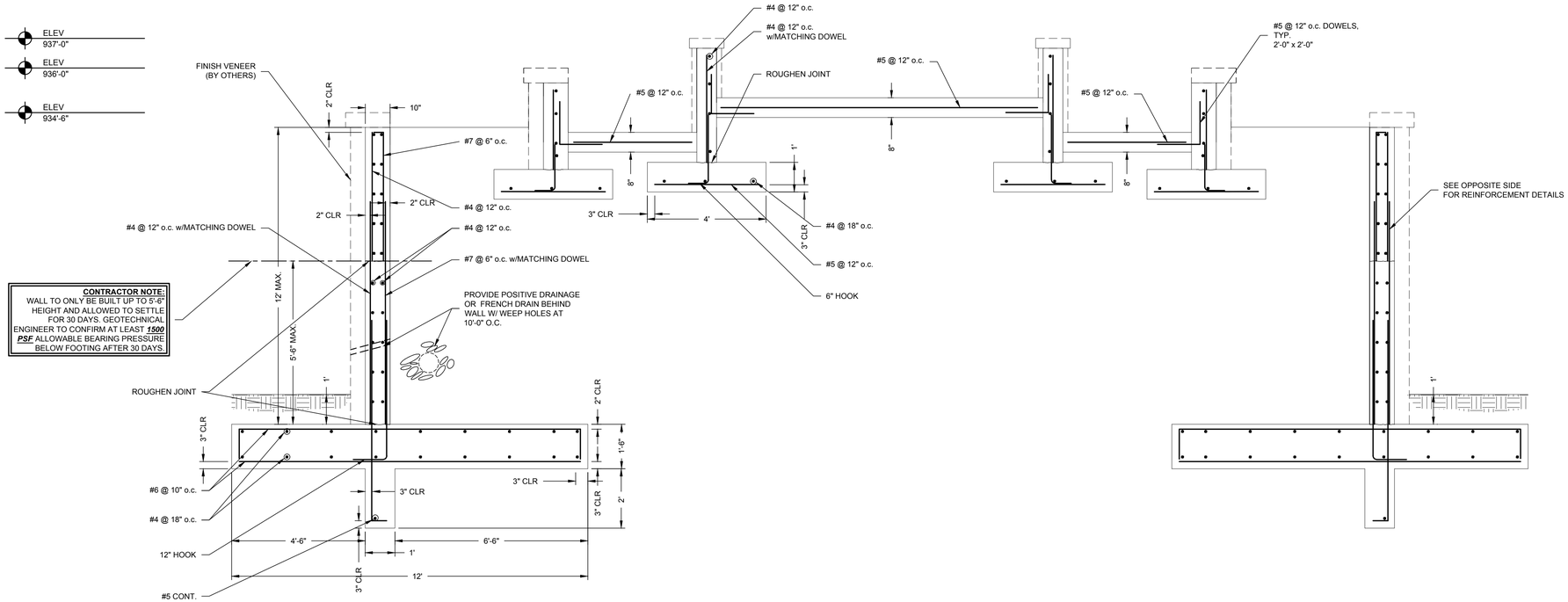


2 SECTION @ MIDDLE FOUNTAIN STAIRS
S-205



1 SECTION @ MIDDLE FOUNTAIN
S-205

Know what's **below.**
Call before you dig.

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Phone: 404.979.3300
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CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

RETAINING WALL SECTIONS

No.	Description	Date
A	90% SUBMITTAL - FOR CITY REVIEW	2/15/2017
B	90% DRAINAGE STRUCTURES	4/28/2017
C	90% SUBMITTAL TO COA	10/23/2017
D	100% SUBMITTAL	

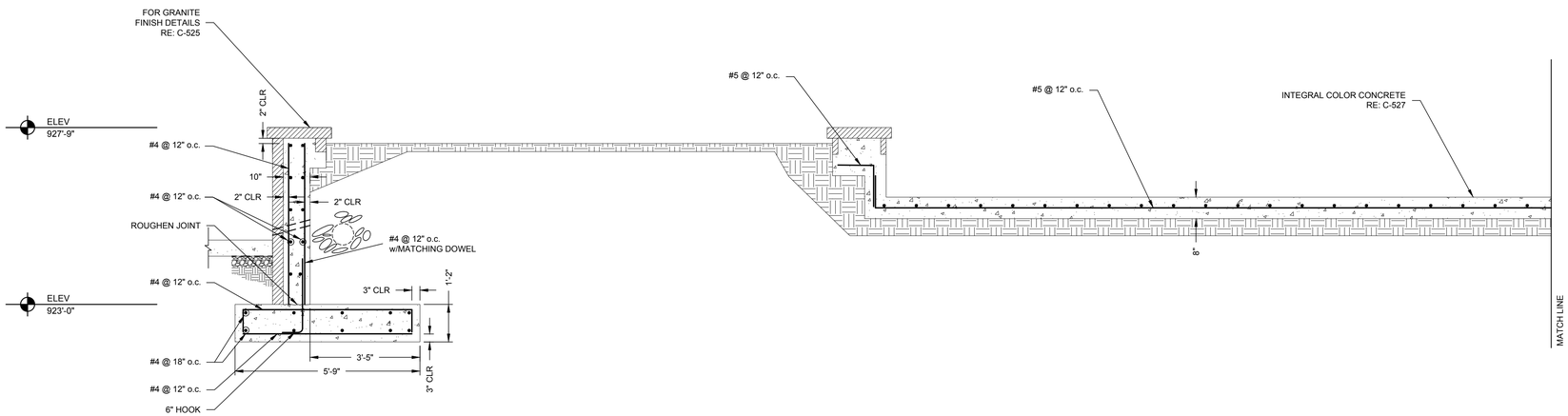
PROJECT NO:	7383-E
DESIGNED BY:	SS
DRAWN BY:	SS
CHECKED BY:	BKT
DATE:	5/12/17
SCALE:	NOTED

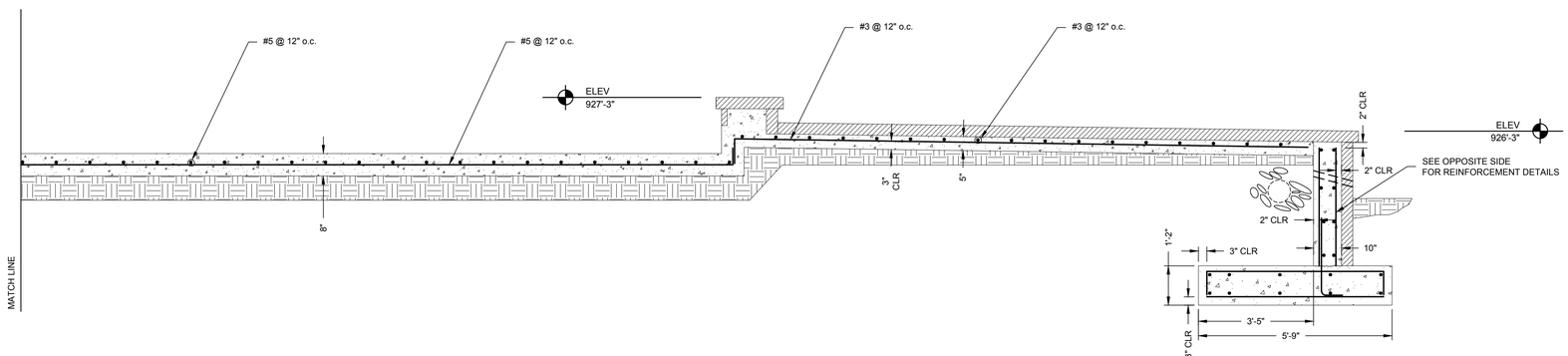
DRAWING NO.
S-205

SHEET OF

ACAD Rel: 20.1s (LMS Tech)
Filename: Y:\2016 Jobs\216642 – Upper Proctor Creek–Rodney Cook Sr. Park Pond\SDI Drawings\216642 – S – 200.dwg
Last Saved: 10/23/2017 2:35 PM Saved By: SHOREDITSS

Plot Date: 10/23/2017 2:37 PM Plot By: SHOREDITSS Filename: Y:\2016 Jobs\216642 – Upper Proctor Creek–Rodney Cook Sr. Park Pond\SDI Drawings\216642 – S – 200.dwg





1 SECTION @ LOWER FOUNDATION
S-206

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JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

RETAINING WALL SECTIONS

No.	Description	Date
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D	100% SUBMITTAL	10/23/2017

PROJECT NO:	7383-E
DESIGNED BY:	SS
DRAWN BY:	SS
CHECKED BY:	BKT
DATE:	5/12/17
SCALE:	NOTED

DRAWING NO.
S-206

SHEET OF

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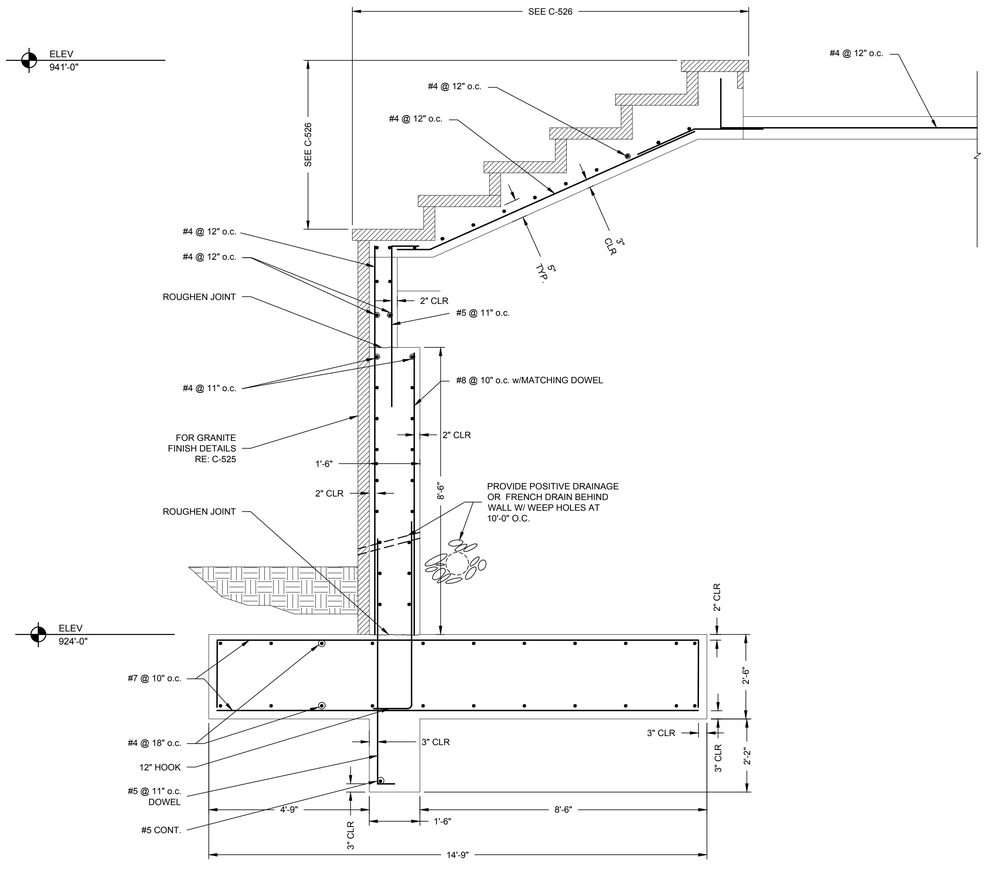
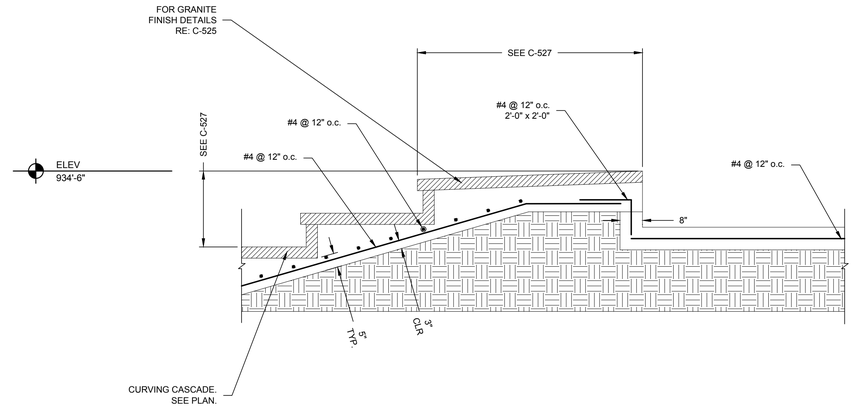


1 S-207 SECTION @ UPPER FOUNTAIN CASCADE



2 S-207 SECTION @ MIDDLE FOUNTAIN CASCADE

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Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

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RETAINING WALL SECTIONS

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B	90% DRAINAGE STRUCTURES	4/28/2017
C	90% SUBMITTAL TO COA	
D	100% SUBMITTAL	10/23/2017

PROJECT NO:	7383-E
DESIGNED BY:	SS
DRAWN BY:	SS
CHECKED BY:	BKT
DATE:	5/12/17
SCALE:	NOTED

DRAWING NO. S-207

SHEET OF

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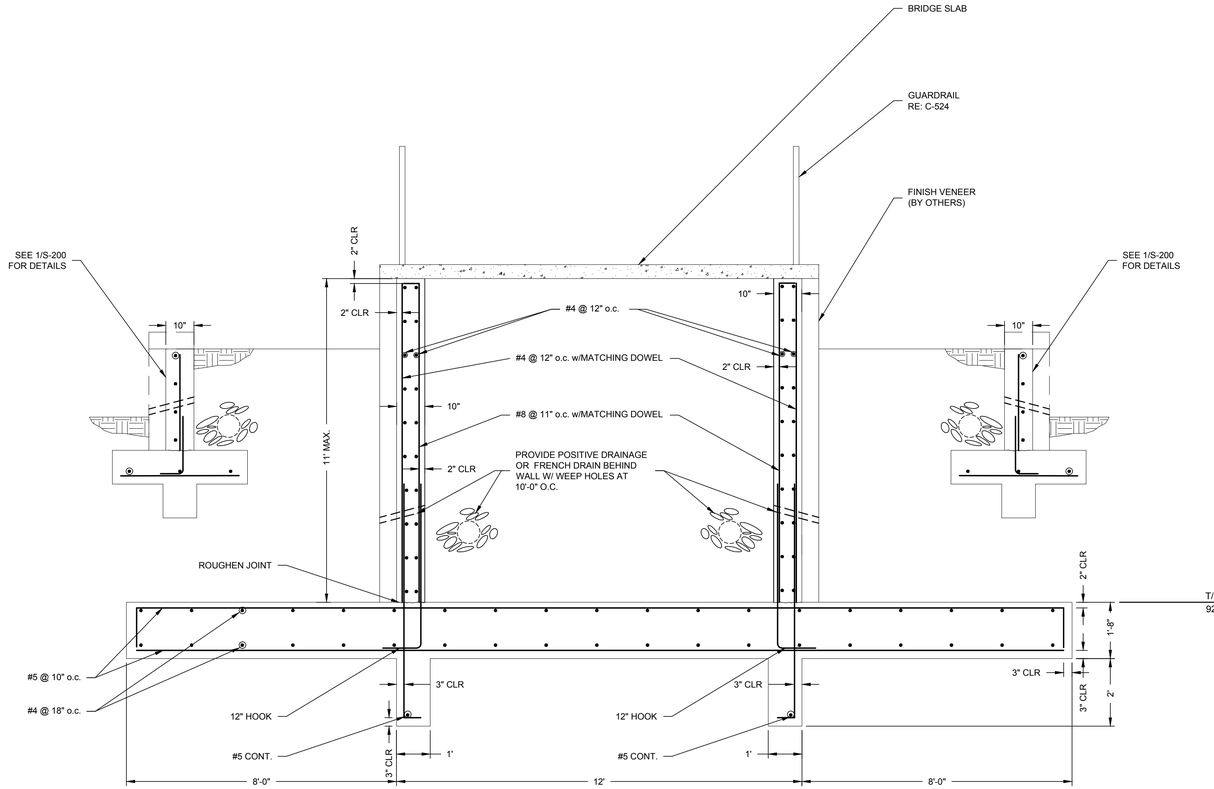

2 / S-208 WALL SECTION

SCALE: N.T.S.

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Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

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UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT

RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

RETAINING WALL SECTIONS

No.	Description	Date
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B	90% DRAINAGE STRUCTURES	4/28/2017
C	90% SUBMITTAL TO COA	10/23/2017
D	100% SUBMITTAL	

PROJECT NO:	7383-E
DESIGNED BY:	SS
DRAWN BY:	SS
CHECKED BY:	BKT
DATE:	5/12/17
SCALE:	NOTED

DRAWING NO.

S-208

SHEET OF

ACAD Rel: 20.1s (LMS Tech)
Filename: Y:\2016 Jobs\216642 – Upper Proctor Creek–Rodney Cook Sr. Park Pond\SDI Drawings\216642 – S – 200.dwg
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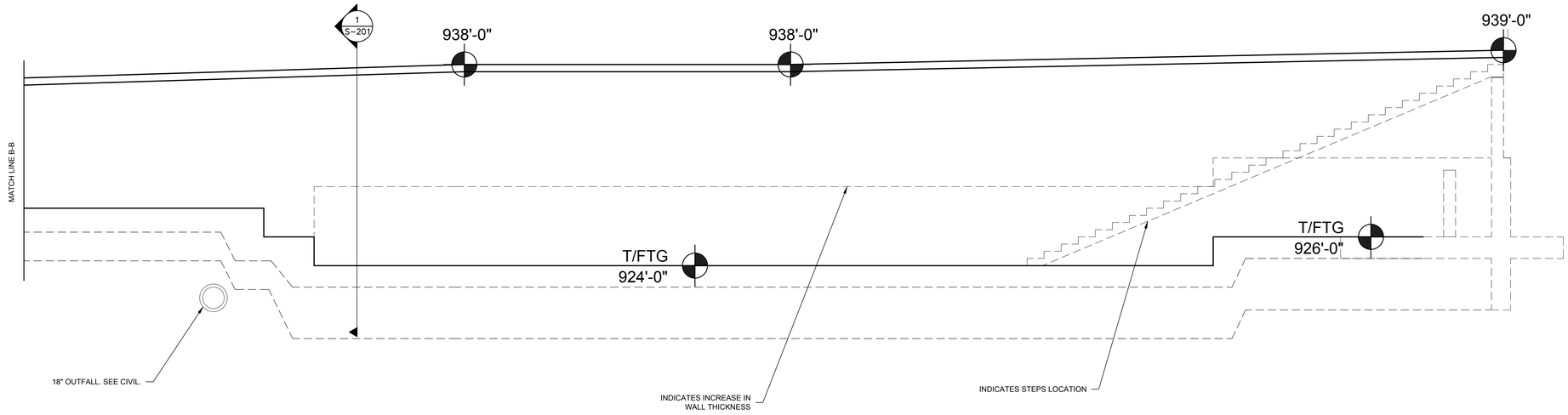

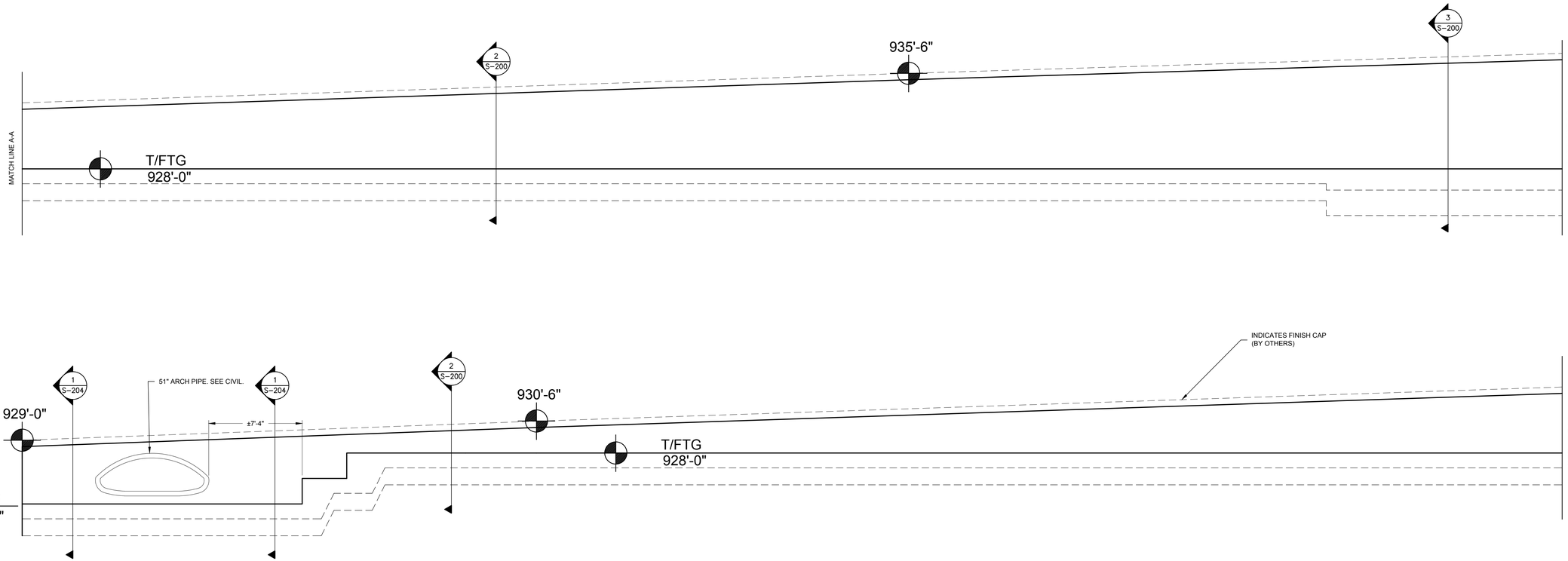

1 S-209 WALL PROFILE
SCALE: N.T.S.
SEGMENTS 'B,C,D,E'

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Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

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UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

WALL PROFILES

No.	Description	Date
A	90% SUBMITTAL - FOR CITY REVIEW	2/15/2017
B	90% DRAINAGE STRUCTURES	4/28/2017
C	90% SUBMITTAL TO COA	
D	100% SUBMITTAL	10/23/2017

PROJECT NO:	7383-E
DESIGNED BY:	SS
DRAWN BY:	SS
CHECKED BY:	BKT
DATE:	5/12/17
SCALE:	NOTED

DRAWING NO.
S-209

SHEET OF

ACAD Rel: 20.1s (LMS Tech)
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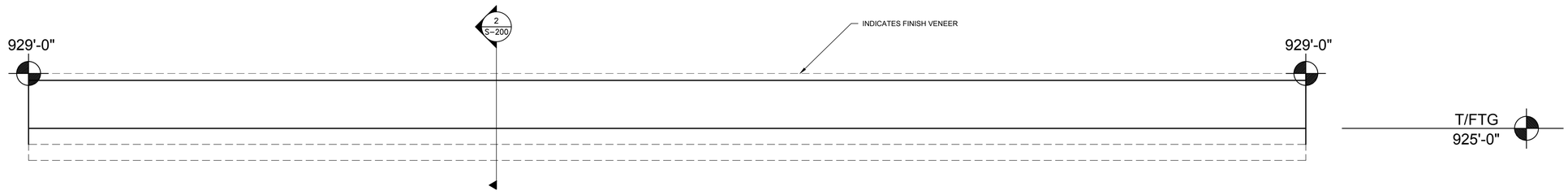
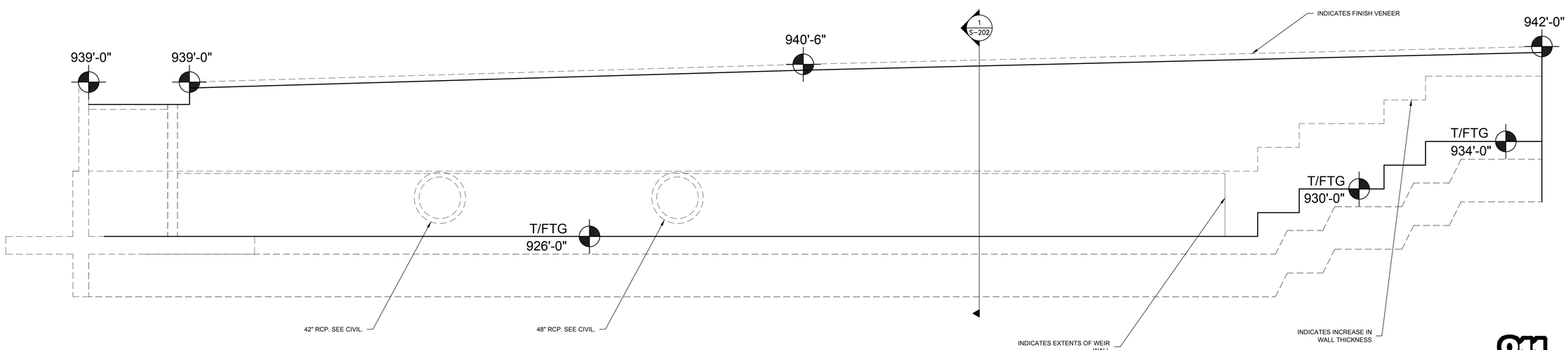


2 WALL PROFILE
S-210 SCALE: N.T.S.
SEGMENT 'F'



1 WALL PROFILE
S-210 SCALE: N.T.S.
SEGMENT 'A'

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Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

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RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

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C	90% SUBMITTAL TO COA	10/23/2017
D	100% SUBMITTAL	

PROJECT NO:	7383-E
DESIGNED BY:	SS
DRAWN BY:	SS
CHECKED BY:	BKT
DATE:	5/12/17
SCALE:	NOTED

DRAWING NO.
S-210

SHEET OF

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Filename: Y:\2016 Jobs\216642 – Upper Proctor Creek–Rodney Cook Sr. Park Pond\SDI Drawings\216642 – S – 200.dwg
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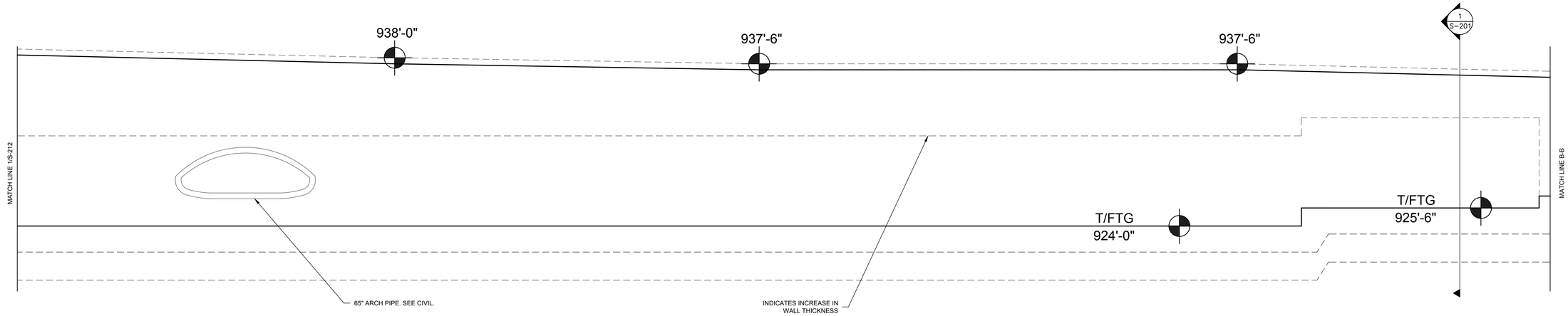

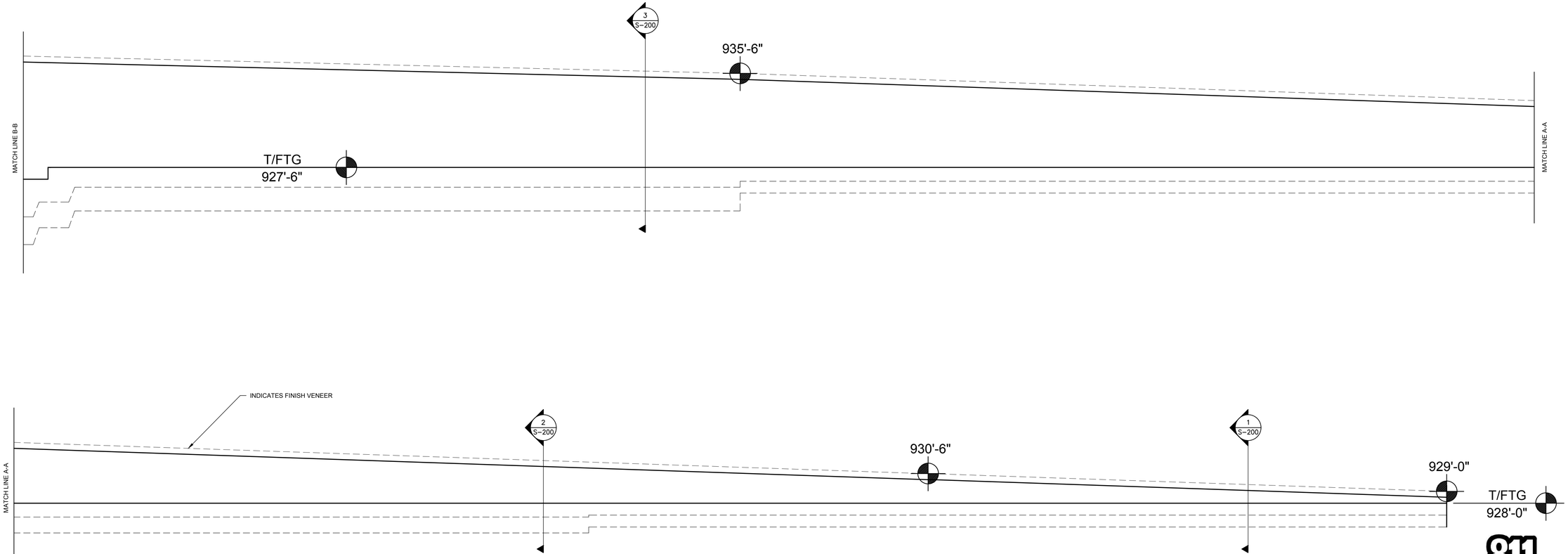

1 S-211 WALL PROFILE
SCALE: N.T.S.
SEGMENTS 'G,H'

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Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

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UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

WALL PROFILES

No.	Description	Date
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C	90% SUBMITTAL TO COA	
D	100% SUBMITTAL	10/23/2017

PROJECT NO:	7383-E
DESIGNED BY:	SS
DRAWN BY:	SS
CHECKED BY:	BKT
DATE:	5/12/17
SCALE:	NOTED

DRAWING NO.
S-211

SHEET OF

ACAD Rel: 20.1s (LMS Tech)
Filename: Y:\2016 Jobs\216642 – Upper Proctor Creek–Rodney Cook Sr. Park Pond\SDI Drawings\216642 – S – 200.dwg
Last Saved: 10/23/2017 2:35 PM Saved By: SHOREDITSS

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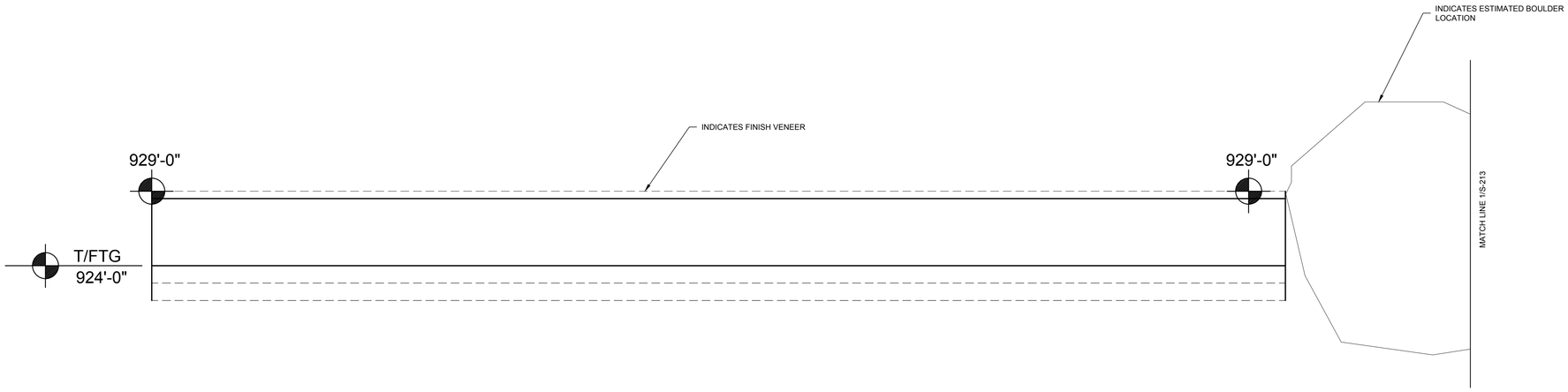
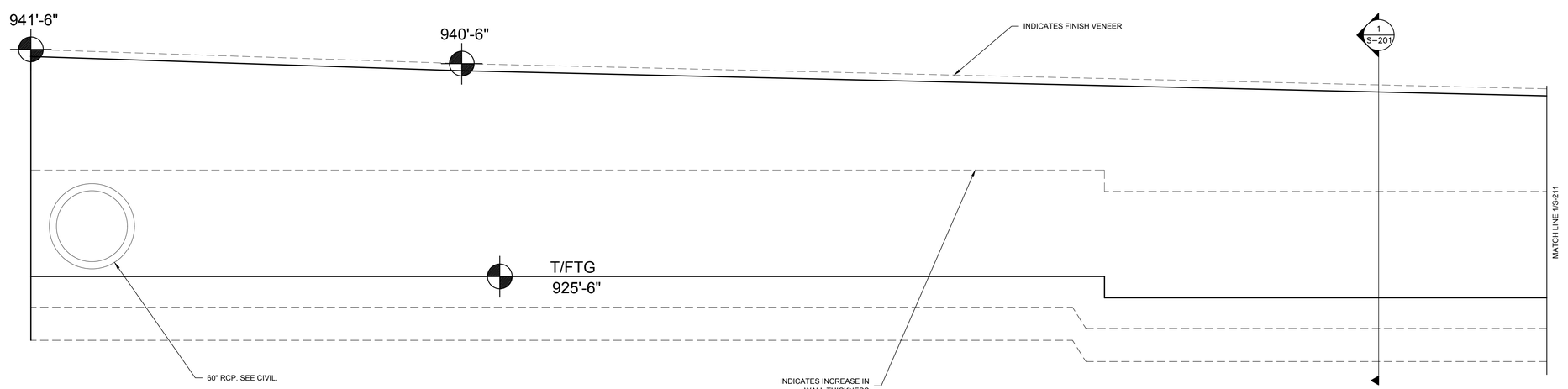


2 S-212 TERRACE WALL PROFILE
SCALE: N.T.S.



1 S-212 WALL PROFILE
SCALE: N.T.S.
SEGMENTS 'H,I'

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Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

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UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

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D	100% SUBMITTAL	

PROJECT NO:	7383-E
DESIGNED BY:	SS
DRAWN BY:	SS
CHECKED BY:	BKT
DATE:	5/12/17
SCALE:	NOTED

DRAWING NO.
S-212

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Filename: Y:\2016 Jobs\216642 – Upper Proctor Creek–Rodney Cook Sr. Park Pond\SDI Drawings\216642 – S – 200.dwg
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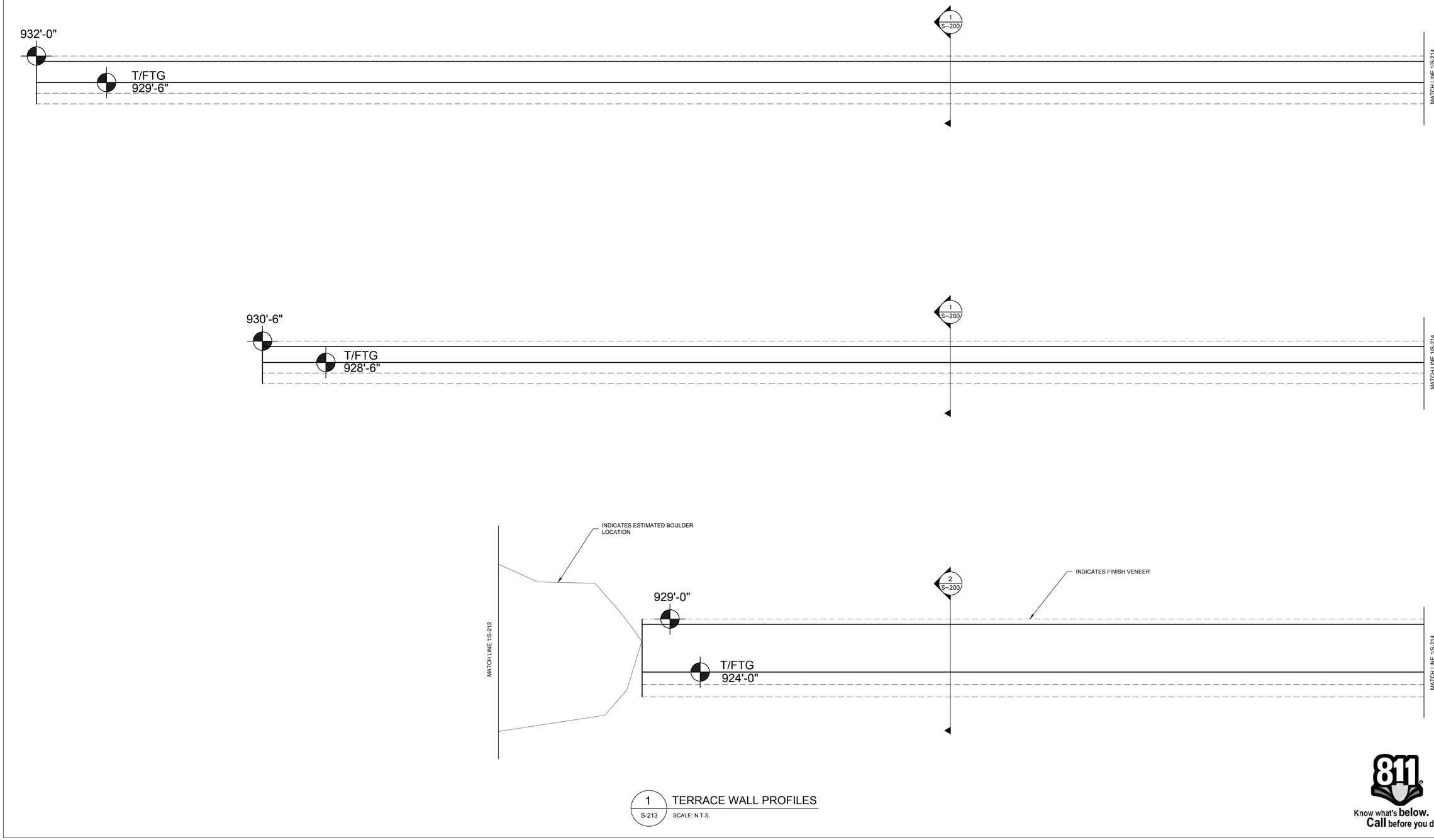

1 S-213 TERRACE WALL PROFILES

SCALE: N.T.S.

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Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

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UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT

RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

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PROJECT NO:	7383-E
DESIGNED BY:	SS
DRAWN BY:	SS
CHECKED BY:	BKT
DATE:	5/12/17
SCALE:	NOTED

DRAWING NO.

S-213

SHEET OF

ACAD Rel: 20.1s (LMS Tech)
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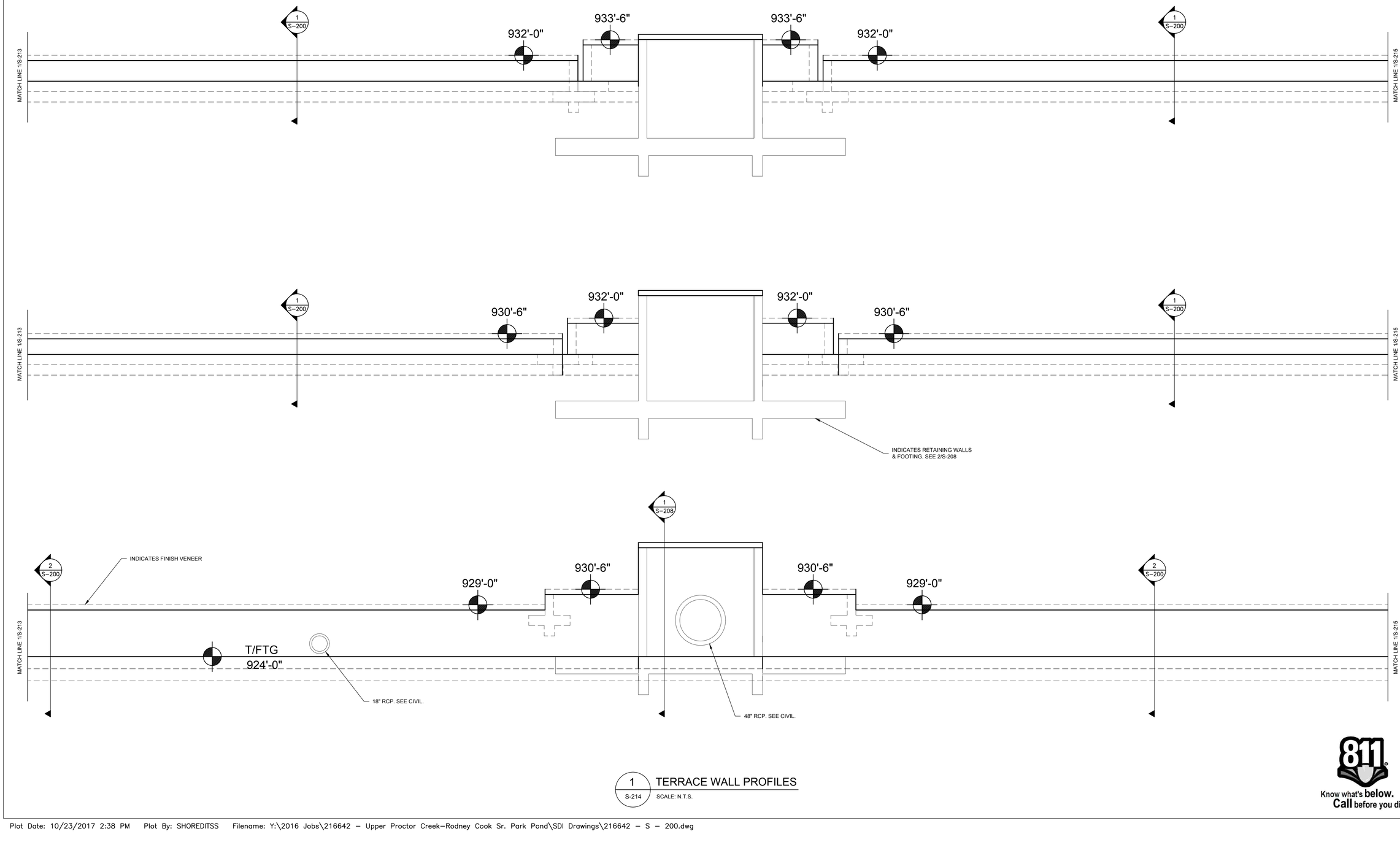
Plot Date: 10/23/2017 2:38 PM Plot By: SHOREDITSS Filename: Y:\2016 Jobs\216642 – Upper Proctor Creek–Rodney Cook Sr. Park Pond\SDI Drawings\216642 – S – 200.dwg



1 S-214 TERRACE WALL PROFILES

SCALE: N.T.S.

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Atlanta, GA. 30328
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Fax: 404.979.3310

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PROJECT NO:	7383-E
DESIGNED BY:	SS
DRAWN BY:	SS
CHECKED BY:	BKT
DATE:	5/12/17
SCALE:	NOTED

DRAWING NO.

S-214

SHEET OF

ACAD Rel: 20.1s (LMS Tech)
Filename: Y:\2016 Jobs\216642 – Upper Proctor Creek–Rodney Cook Sr. Park Pond\SDI Drawings\216642 – S – 200.dwg
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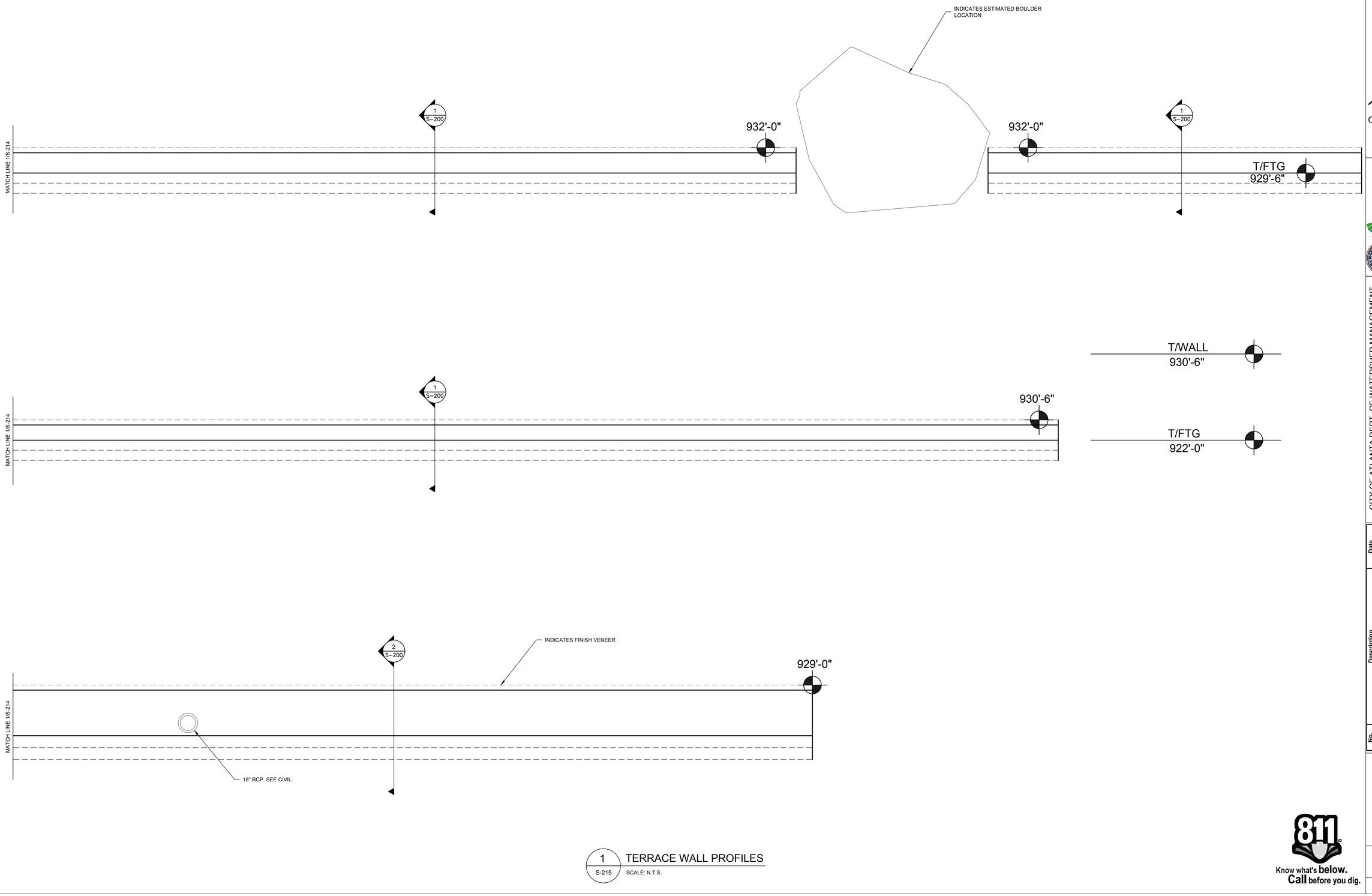

1 S-215 TERRACE WALL PROFILES

SCALE: N.T.S.

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Suite 300
Atlanta, GA. 30328
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D	100% SUBMITTAL	

PROJECT NO:	7383-E
DESIGNED BY:	SS
DRAWN BY:	SS
CHECKED BY:	BKT
DATE:	5/12/17
SCALE:	NOTED

DRAWING NO.

S-215

SHEET OF

ACAD Rel: 20.1s (LMS Tech)
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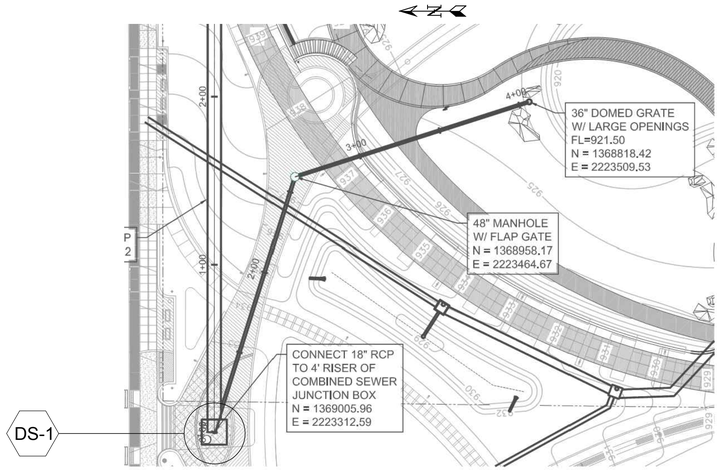
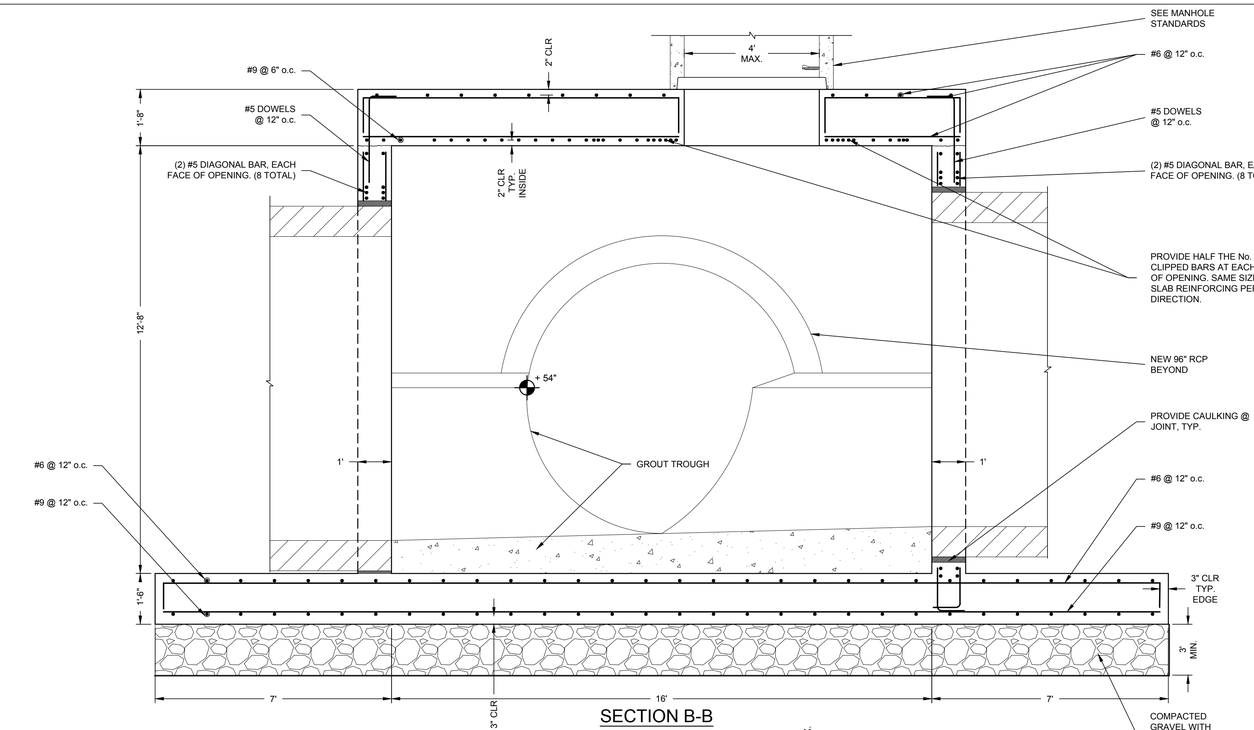
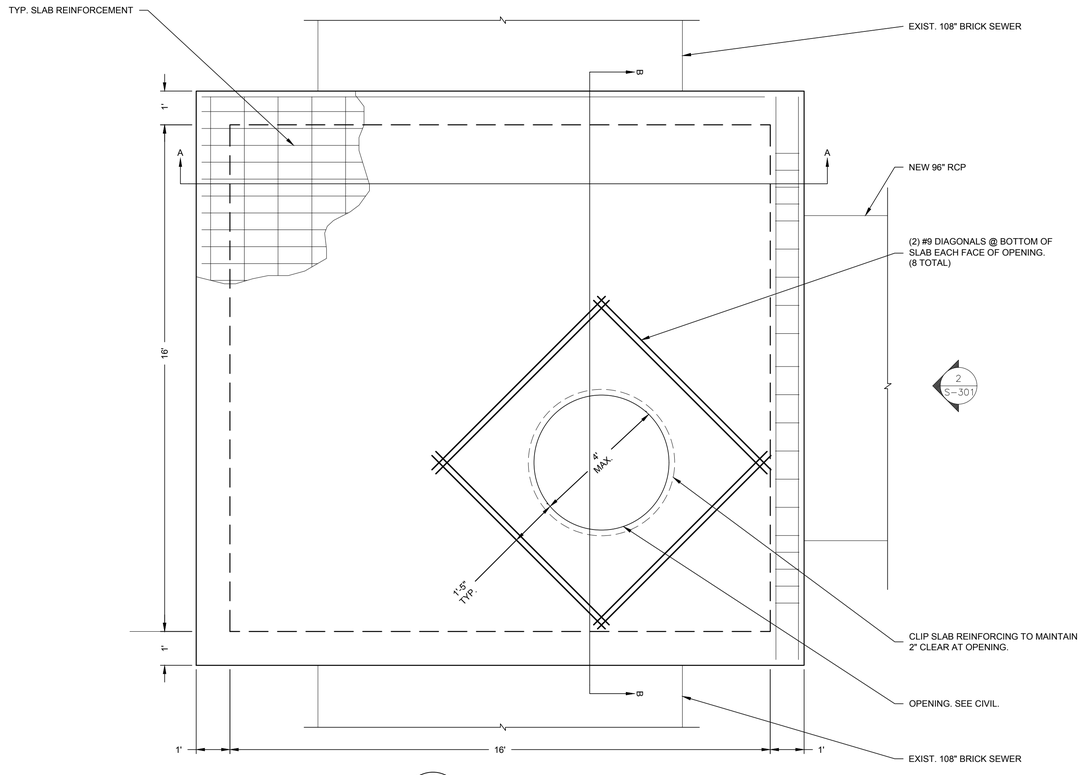
Plot Date: 10/23/2017 2:38 PM Plot By: SHOREDITSS Filename: Y:\2016 Jobs\216642 – Upper Proctor Creek–Rodney Cook Sr. Park Pond\SDI Drawings\216642 – S – 200.dwg



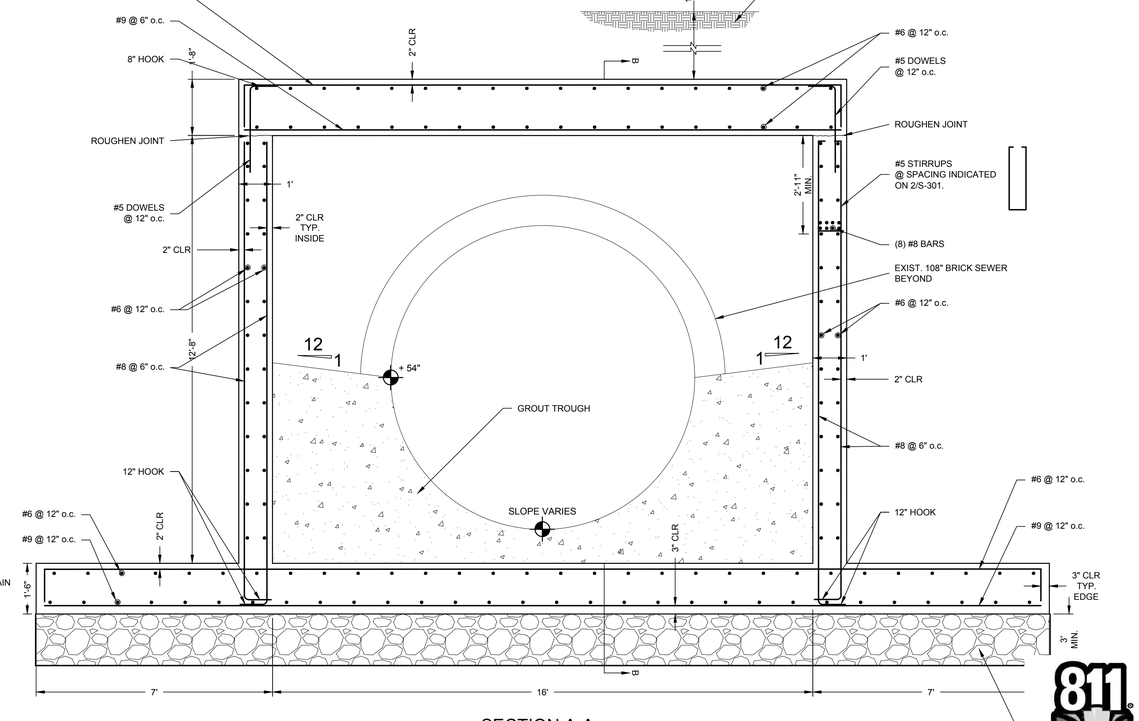
2 S-300 KEY PLAN
SCALE: N.T.S.



SECTION B-B



1 S-300 DS-1 TOP SLAB
SCALE: N.T.S.



SECTION A-A

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GEORGIA REGISTERED No. 028480 PROFESSIONAL ENGINEER BRIAN K. TUCK

Oct 23 2017

CITY OF ATLANTA watershed management
JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

JUNCTION BOXES DS-1

No.	Description	Date
A	90% SUBMITTAL - FOR CITY REVIEW	2/15/2017
B	90% DRAINAGE STRUCTURES	4/28/2017
C	90% SUBMITTAL TO COA	10/23/2017
D	100% SUBMITTAL	

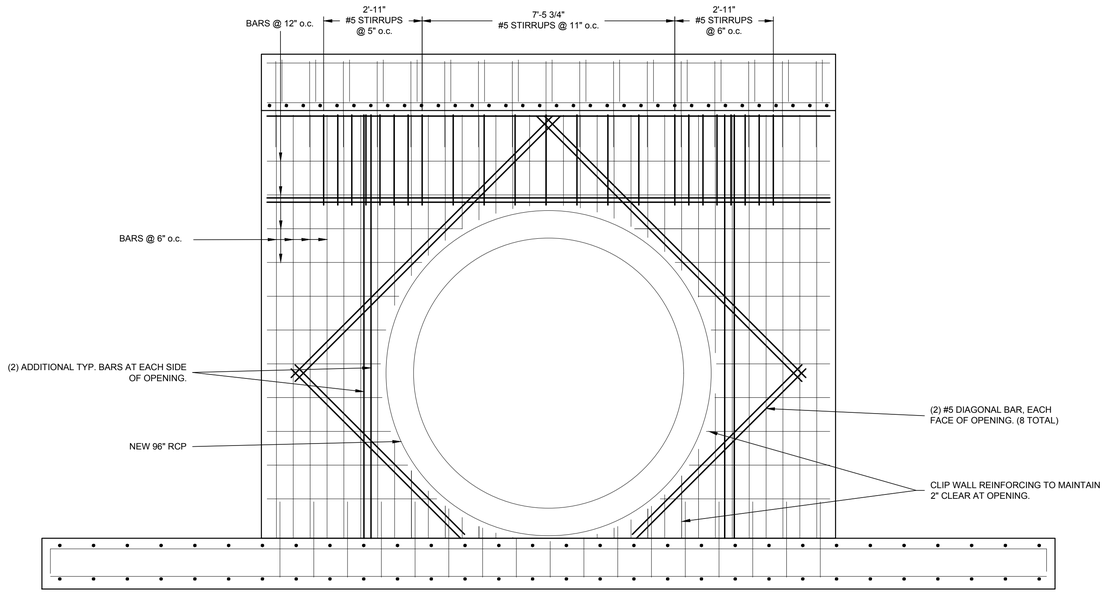
PROJECT NO:	7383-E
DESIGNED BY:	SS
DRAWN BY:	SS
CHECKED BY:	BKT
DATE:	5/12/17
SCALE:	NOTED

DRAWING NO.
S-300

SHEET OF

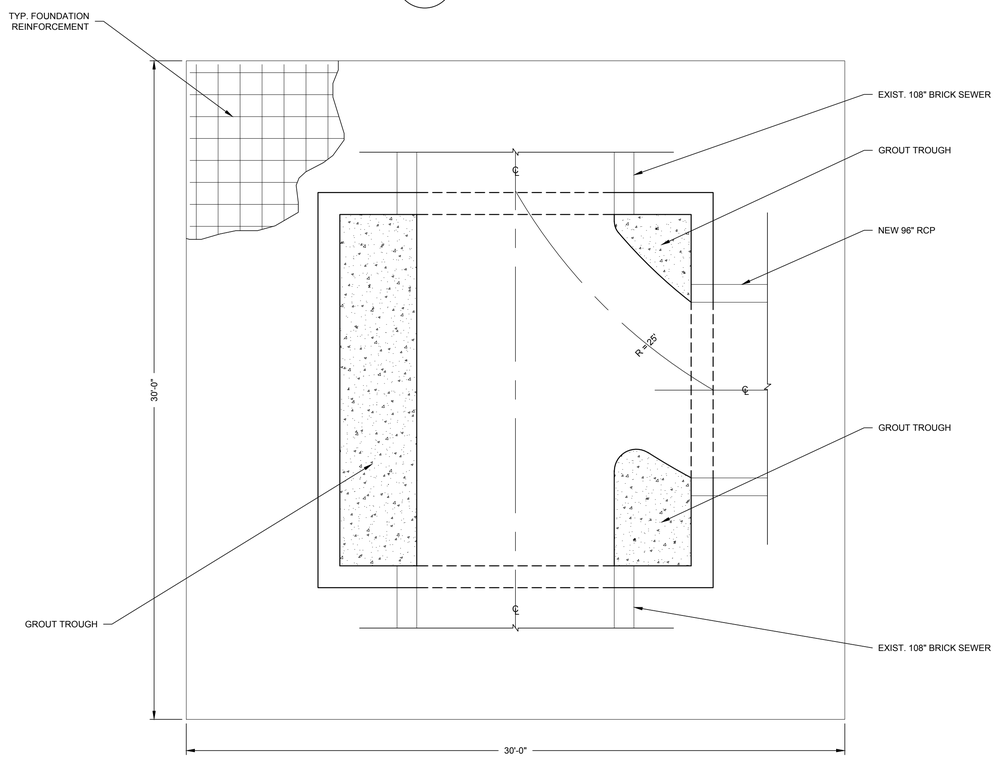
ACAD Rel: 20.1s (LMS Tech)
Filename: Y:\2016 Jobs\216642 – Upper Proctor Creek–Rodney Cook Sr. Park Pond\SDI Drawings\216642 – S – 200.dwg
Last Saved: 10/23/2017 2:35 PM Saved By: SHOREDITSS

Plot Date: 10/23/2017 2:38 PM Plot By: SHOREDITSS Filename: Y:\2016 Jobs\216642 – Upper Proctor Creek–Rodney Cook Sr. Park Pond\SDI Drawings\216642 – S – 200.dwg



2 / S-301 DS-1 EAST WALL

SCALE: N.T.S.



1 / S-301 DS-1 BOTTOM SLAB

SCALE: N.T.S.

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JUNCTION BOXES DS-1

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PROJECT NO:	7383-E
DESIGNED BY:	SS
DRAWN BY:	SS
CHECKED BY:	BKT
DATE:	5/12/17
SCALE:	NOTED

DRAWING NO.

S-301

SHEET OF

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Filename: Y:\2016 Jobs\216642 – Upper Proctor Creek–Rodney Cook Sr. Park Pond\SDI Drawings\216642 – S – 200.dwg
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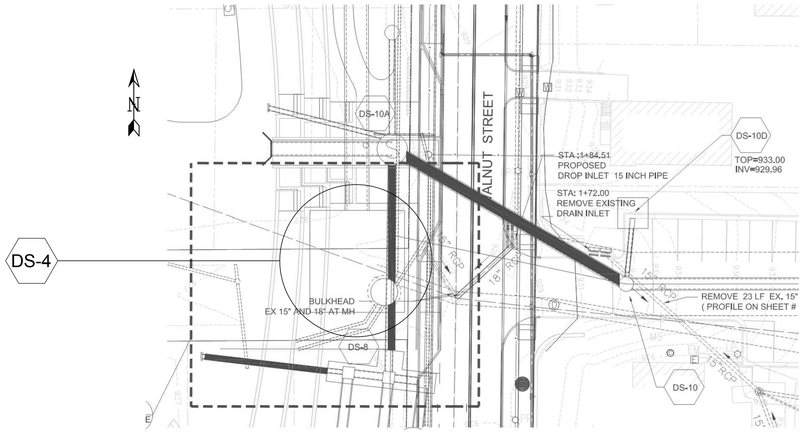
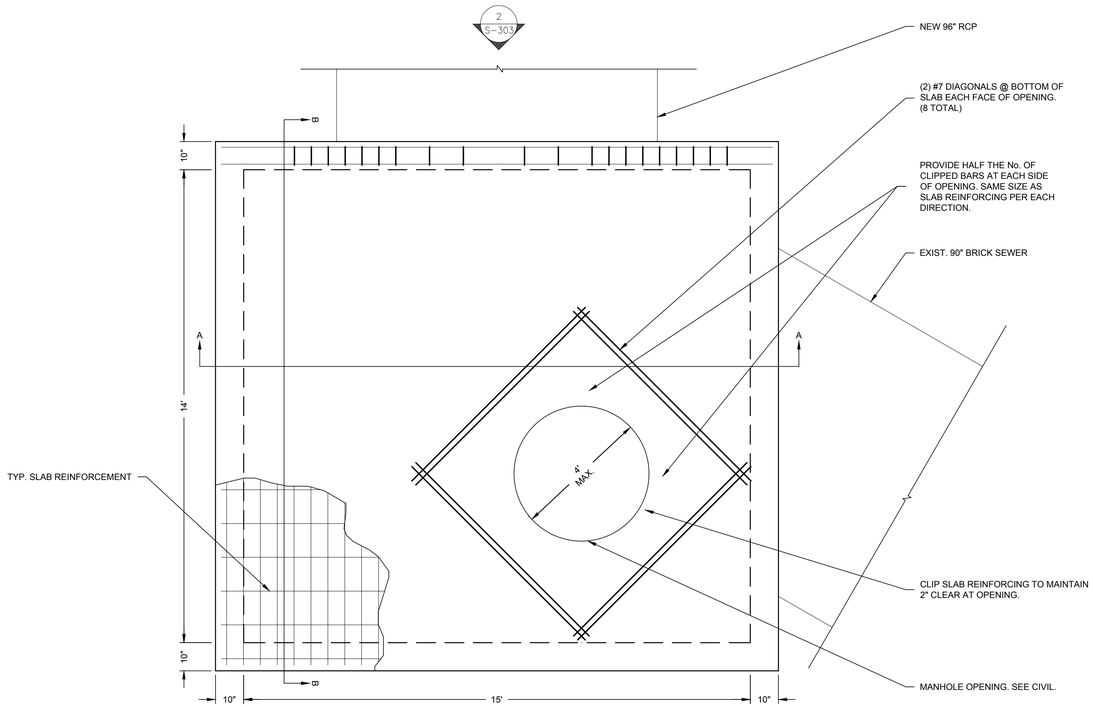
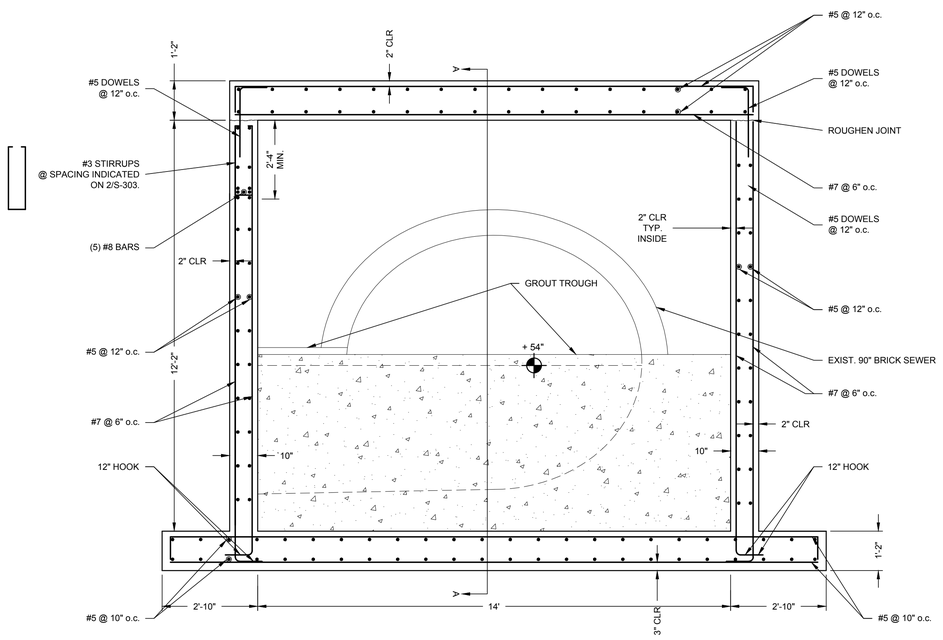


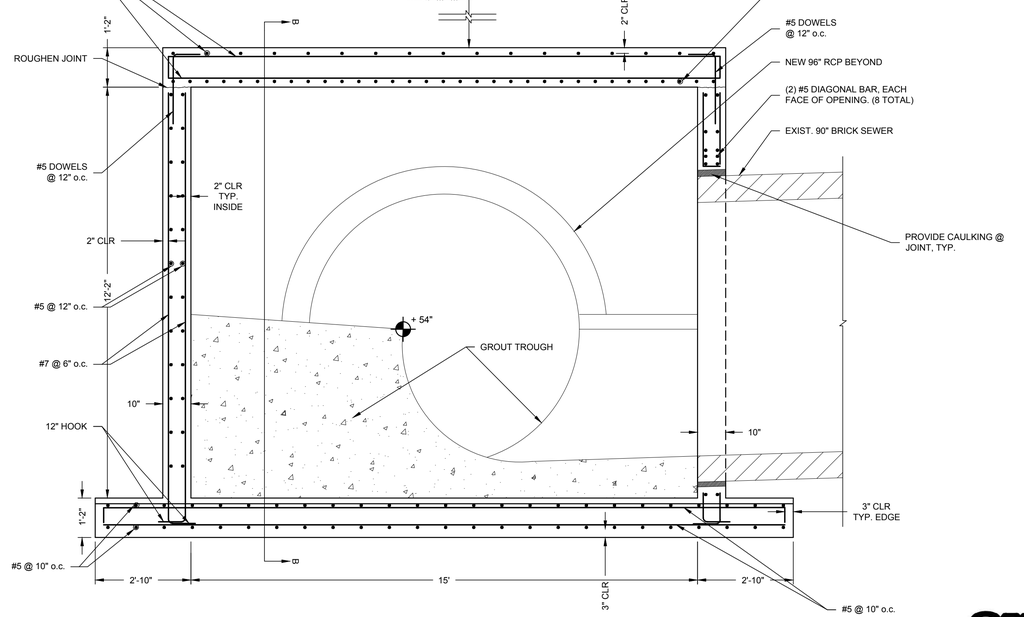
2 S-302 KEY PLAN
SCALE: N.T.S.



1 S-302 DS-4 TOP SLAB
SCALE: N.T.S.



SECTION B-B



SECTION A-A

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Atlanta, GA. 30328
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CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

JUNCTION BOXES DS-4

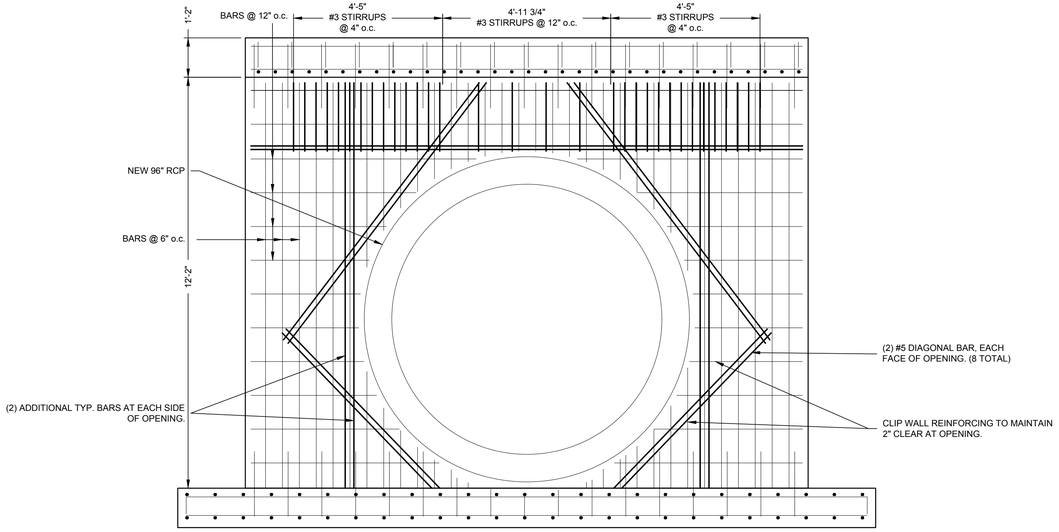
No.	Description	Date
A	90% SUBMITTAL - FOR CITY REVIEW	2/15/2017
B	90% DRAINAGE STRUCTURES	4/28/2017
C	90% SUBMITTAL TO COA	
D	100% SUBMITTAL	10/23/2017

PROJECT NO:	7383-E
DESIGNED BY:	SS
DRAWN BY:	SS
CHECKED BY:	BKT
DATE:	5/12/17
SCALE:	NOTED

DRAWING NO.
S-302

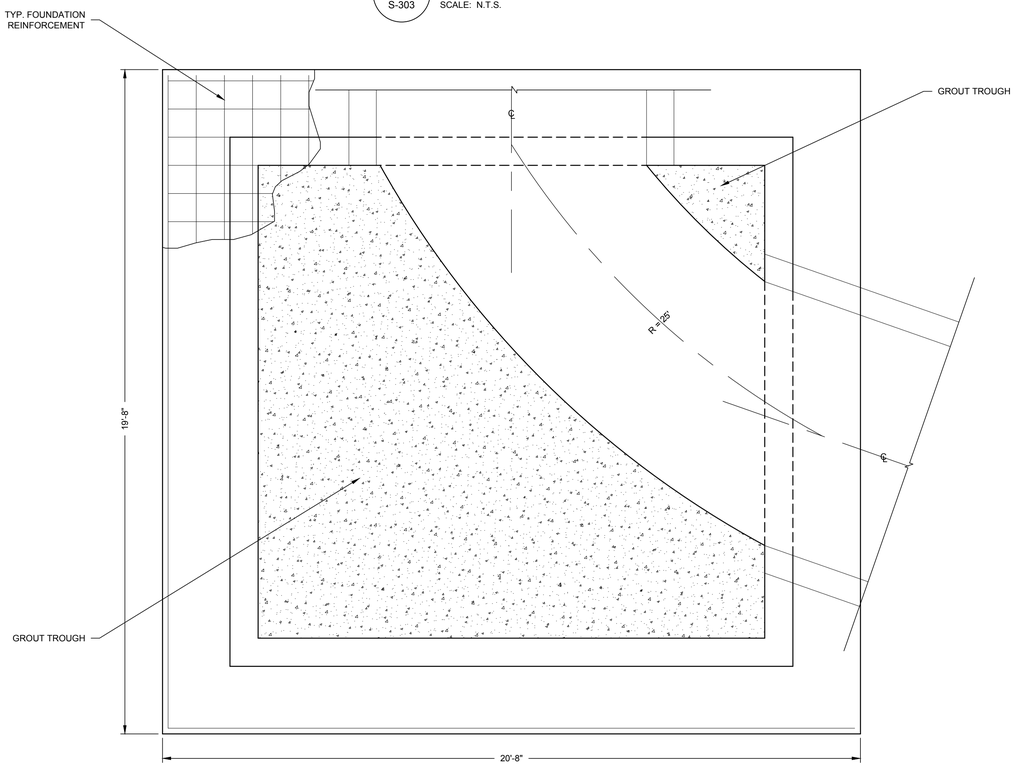
SHEET OF

ACAD Rel: 20.1s (LMS Tech)
Filename: Y:\2016 Jobs\216642 – Upper Proctor Creek–Rodney Cook Sr. Park Pond\SDI Drawings\216642 – S – 200.dwg
Last Saved: 10/23/2017 2:35 PM Saved By: SHOREDITSS
Plot Date: 10/23/2017 2:38 PM Plot By: SHOREDITSS Filename: Y:\2016 Jobs\216642 – Upper Proctor Creek–Rodney Cook Sr. Park Pond\SDI Drawings\216642 – S – 200.dwg



2 S-303 DS-4 NORTH WALL

SCALE: N.T.S.



1 S-303 DS-4 BOTTOM SLAB

SCALE: N.T.S.

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RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

JUNCTION BOXES DS-4

No.	Description	Date
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C	90% SUBMITTAL TO COA	10/23/2017
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PROJECT NO:	7383-E
DESIGNED BY:	SS
DRAWN BY:	SS
CHECKED BY:	BKT
DATE:	5/12/17
SCALE:	NOTED

DRAWING NO.

S-303

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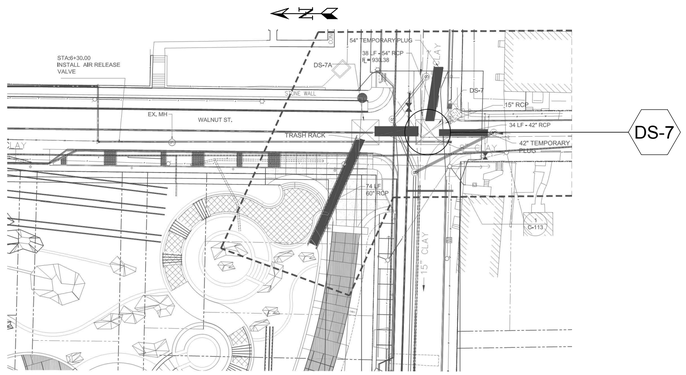
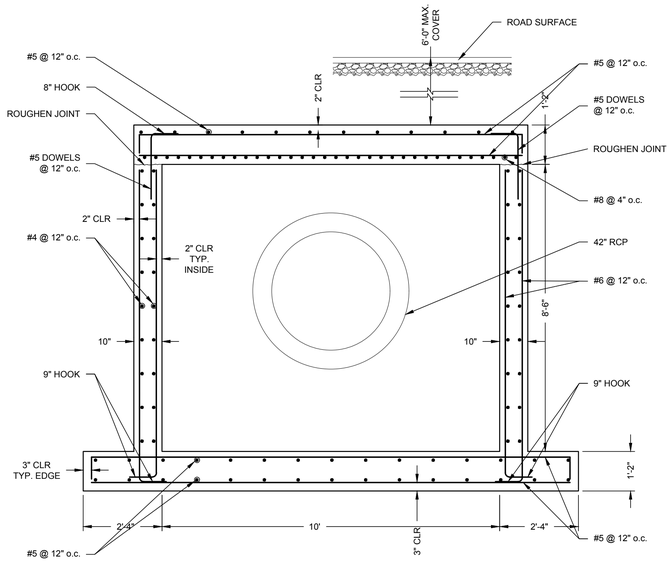
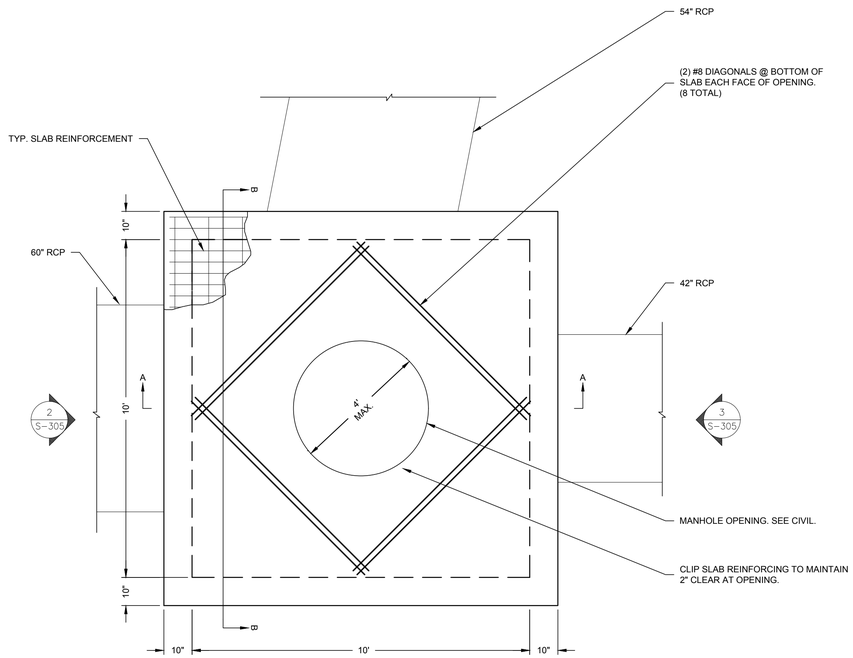


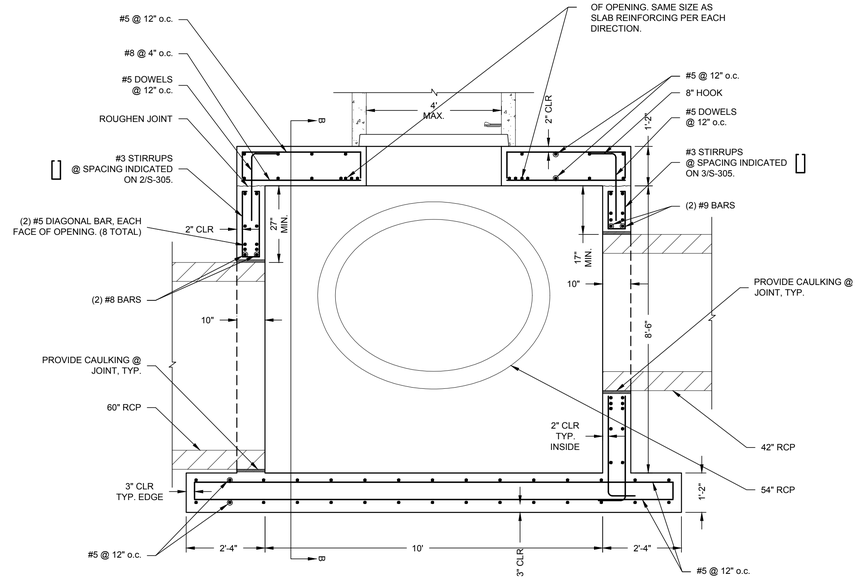
2 KEY PLAN
S-304 SCALE: N.T.S.



SECTION B-B



1 DS-7 TOP SLAB
S-304 SCALE: N.T.S.



SECTION A-A

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JP2
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Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

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UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

JUNCTION BOXES DS-7

No.	Description	Date
A	90% SUBMITTAL - FOR CITY REVIEW	2/15/2017
B	90% DRAINAGE STRUCTURES	4/28/2017
C	90% SUBMITTAL TO COA	
D	100% SUBMITTAL	10/23/2017

PROJECT NO:	7383-E
DESIGNED BY:	SS
DRAWN BY:	SS
CHECKED BY:	BKT
DATE:	5/12/17
SCALE:	NOTED

DRAWING NO.
S-304

SHEET OF

ACAD Rel: 20.1s (LMS Tech)
Filename: Y:\2016 Jobs\216642 – Upper Proctor Creek–Rodney Cook Sr. Park Pond\SDI Drawings\216642 – S – 200.dwg
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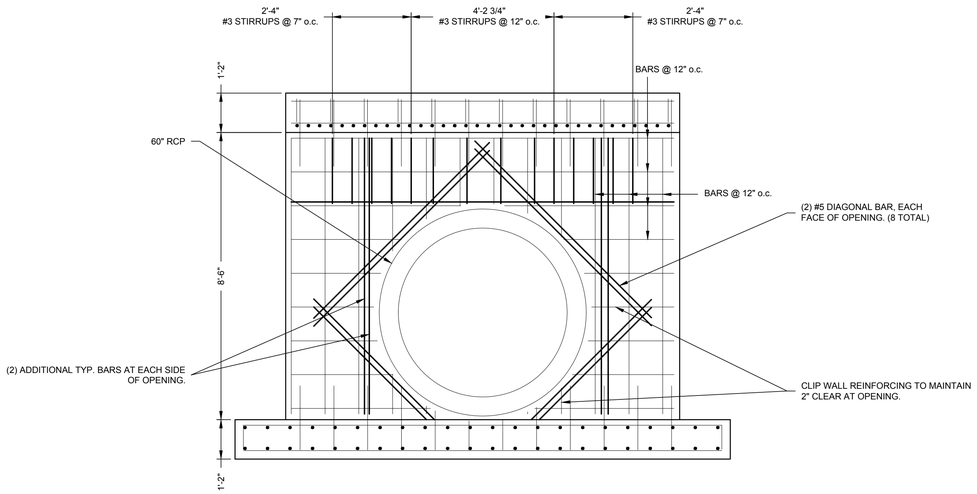
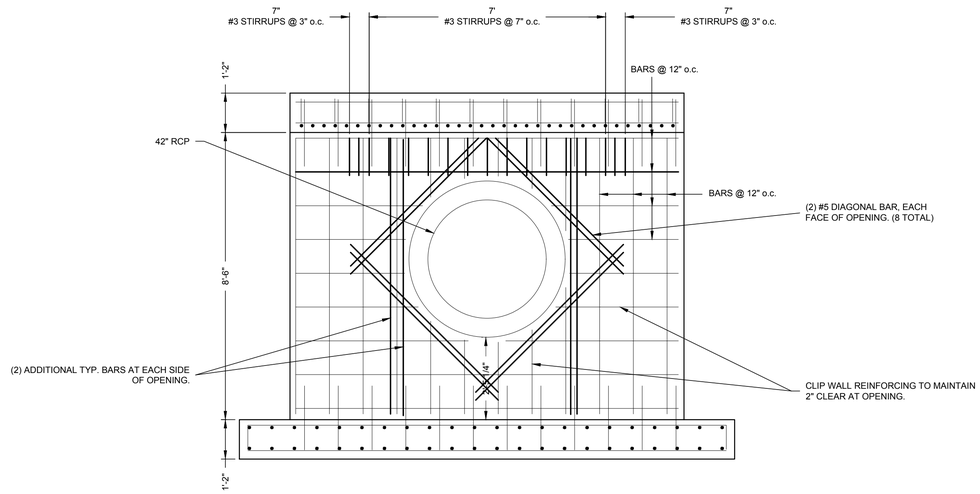


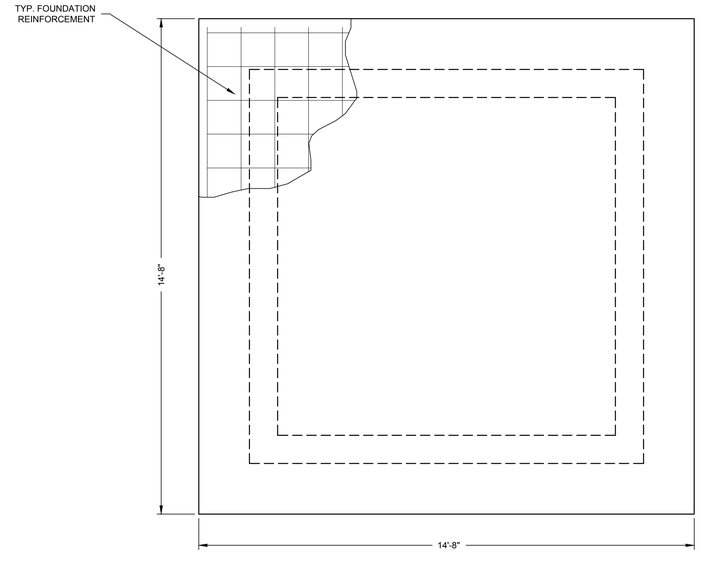
2 S-305 DS-7 NORTH WALL

SCALE: N.T.S.



3 S-305 DS-7 SOUTH WALL

SCALE: N.T.S.



1 S-305 DS-7 BOTTOM SLAB

SCALE: N.T.S.

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CITY OF ATLANTA DEPARTMENT OF watershed management

JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

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UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT

RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

JUNCTION BOXES DS-7

No.	Description	Date
A	90% SUBMITTAL - FOR CITY REVIEW	2/15/2017
B	90% DRAINAGE STRUCTURES	4/28/2017
C	90% SUBMITTAL TO COA	
D	100% SUBMITTAL	10/23/2017

PROJECT NO:	7383-E
DESIGNED BY:	SS
DRAWN BY:	SS
CHECKED BY:	BKT
DATE:	5/12/17
SCALE:	NOTED

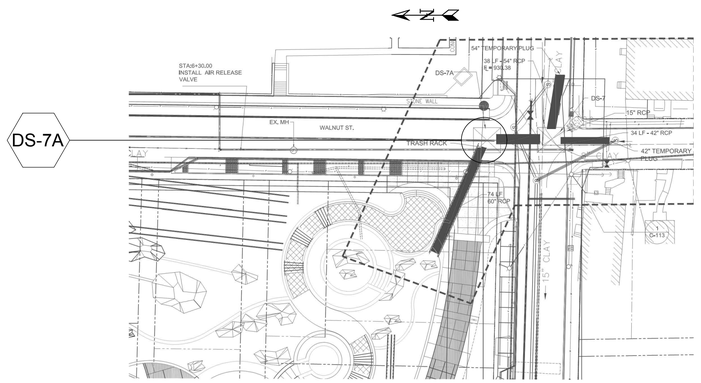
DRAWING NO.

S-305

SHEET OF

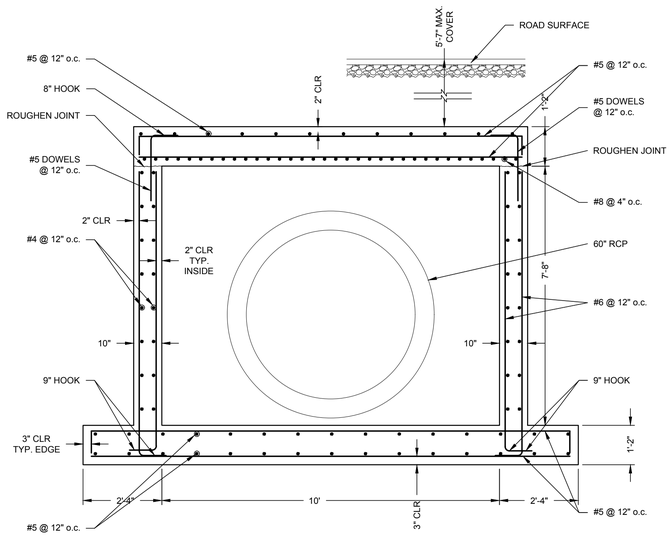
ACAD Rel: 20.1s (LMS Tech)
Filename: Y:\2016 Jobs\216642 – Upper Proctor Creek–Rodney Cook Sr. Park Pond\SDI Drawings\216642 – S – 200.dwg
Last Saved: 10/23/2017 2:35 PM Saved By: SHOREDITSS

Plot Date: 10/23/2017 2:38 PM Plot By: SHOREDITSS Filename: Y:\2016 Jobs\216642 – Upper Proctor Creek–Rodney Cook Sr. Park Pond\SDI Drawings\216642 – S – 200.dwg

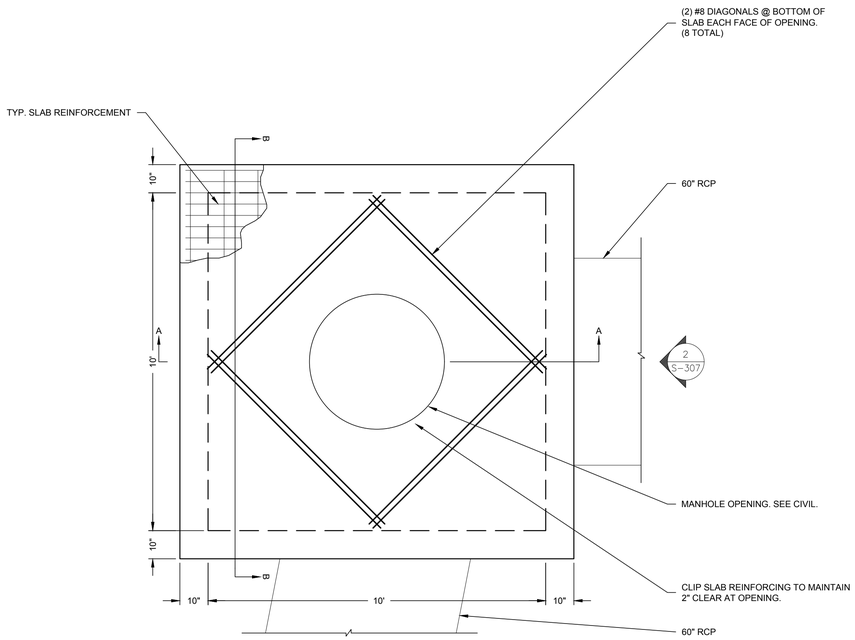


2 S-306 KEY PLAN

SCALE: N.T.S.

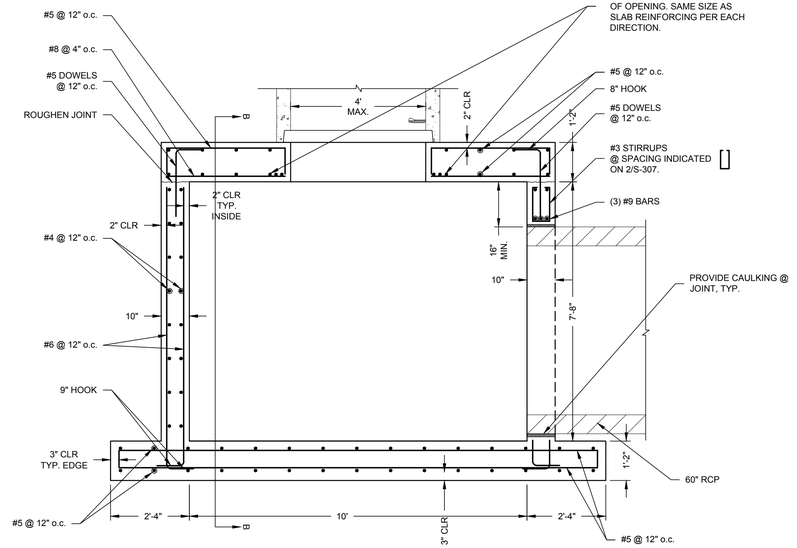


SECTION B-B



1 S-306 DS-7A TOP SLAB

SCALE: N.T.S.



SECTION A-A

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JP2
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Atlanta, GA. 30328
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Fax: 404.979.3310

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RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

JUNCTION BOXES DS-7A

No.	Description	Date
A	90% SUBMITTAL - FOR CITY REVIEW	2/15/2017
B	90% DRAINAGE STRUCTURES	4/28/2017
C	90% SUBMITTAL TO COA	10/23/2017
D	100% SUBMITTAL	

PROJECT NO:	7383-E
DESIGNED BY:	SS
DRAWN BY:	SS
CHECKED BY:	BKT
DATE:	5/12/17
SCALE:	NOTED

DRAWING NO.
S-306

SHEET OF

ACAD Rel: 20.1s (LMS Tech)
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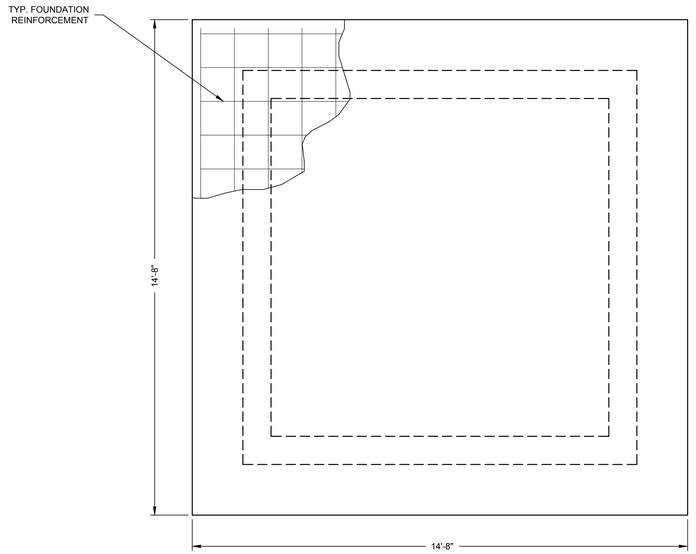
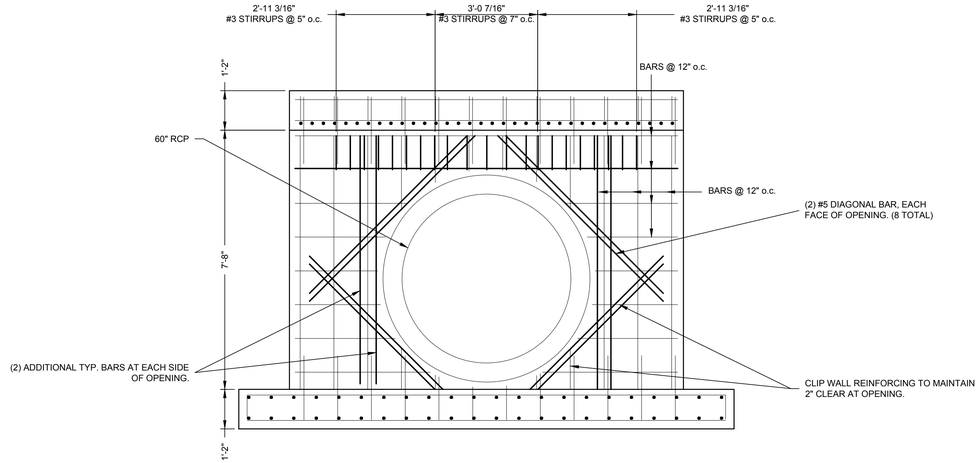


1 S-307 DS-7A BOTTOM SLAB

SCALE: N.T.S.



2 S-307 DS-7A SOUTH WALL

SCALE: N.T.S.

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JUNCTION BOXES DS-7A

No.	Description	Date
A	90% SUBMITTAL - FOR CITY REVIEW	2/15/2017
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PROJECT NO:	7383-E
DESIGNED BY:	SS
DRAWN BY:	SS
CHECKED BY:	BKT
DATE:	5/12/17
SCALE:	NOTED

DRAWING NO.

S-307

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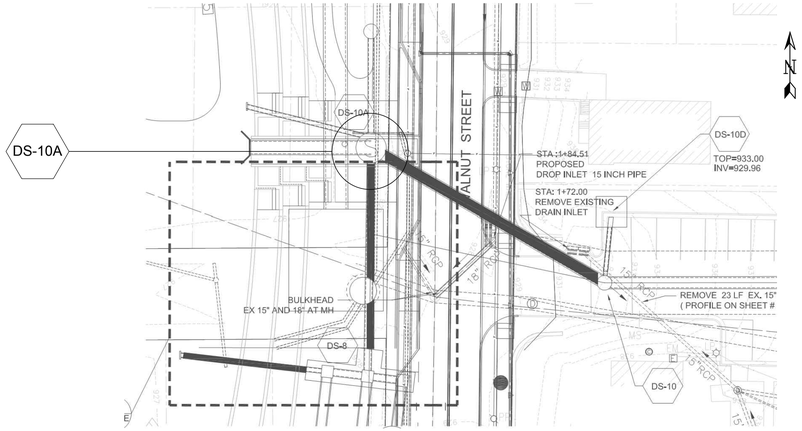
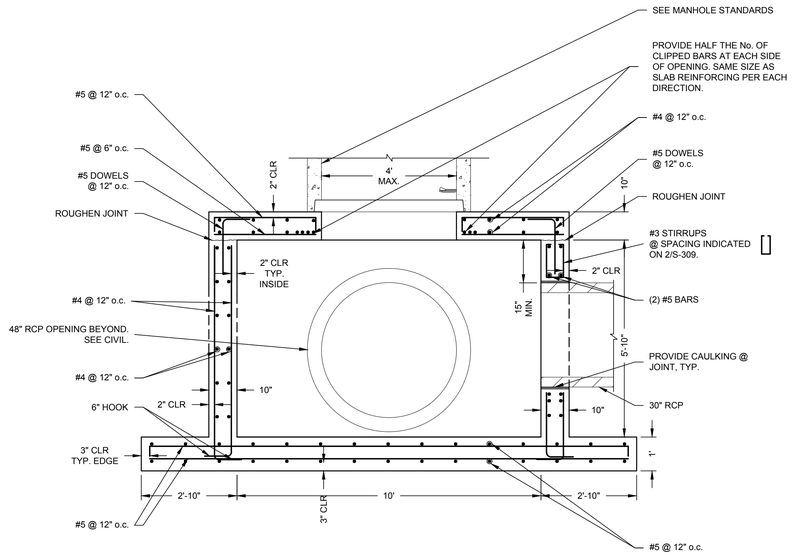
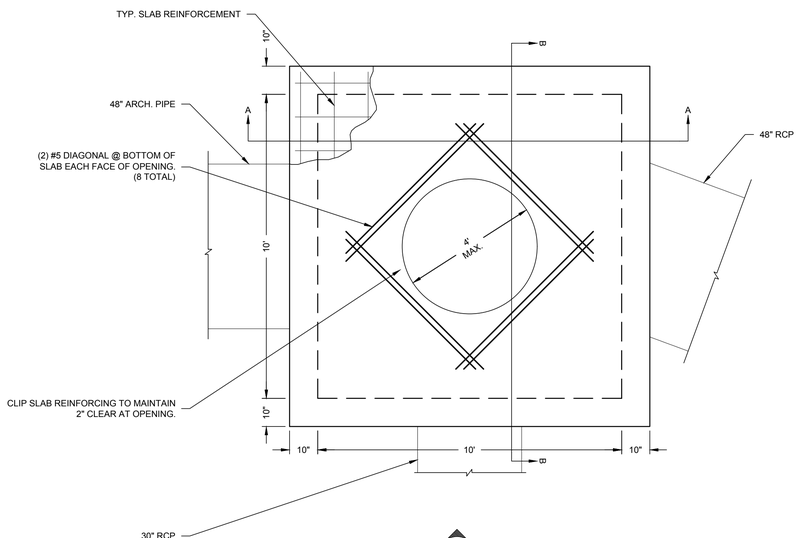


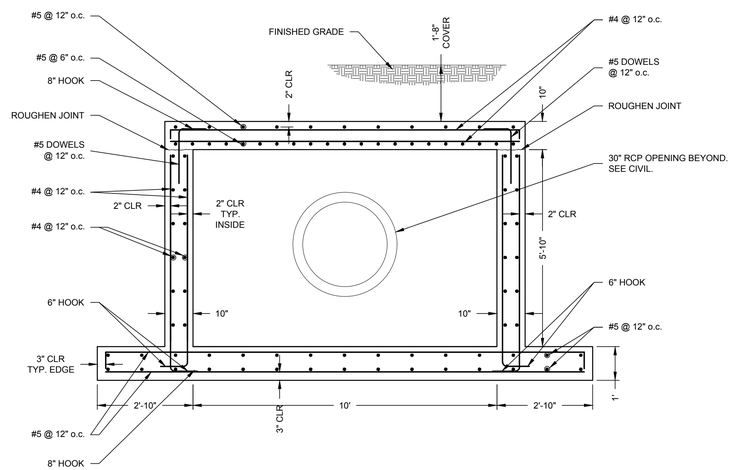
2 KEY PLAN
S-308 SCALE: N.T.S.



SECTION B-B



1 DS-10A TOP SLAB
S-308 SCALE: N.T.S.



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RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

JUNCTION BOXES DS-10A

No.	Description	Date
A	90% SUBMITTAL - FOR CITY REVIEW	2/15/2017
B	90% DRAINAGE STRUCTURES	4/28/2017
C	90% SUBMITTAL TO COA	
D	100% SUBMITTAL	10/23/2017

PROJECT NO:	7383-E
DESIGNED BY:	SS
DRAWN BY:	SS
CHECKED BY:	BKT
DATE:	5/12/17
SCALE:	NOTED

DRAWING NO.
S-308

SHEET OF

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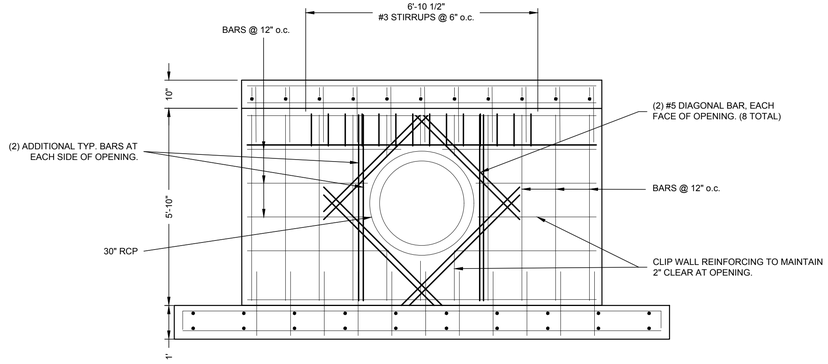
1 DS-10A BOTTOM SLAB
S-309 SCALE: N.T.S.



2 DS-10A WALL
S-309 SCALE: N.T.S.

Know what's below. Call before you dig.

GEORGIA REGISTERED No. 028480 PROFESSIONAL ENGINEER BRIAN K. TUCK

Oct 23 2017

CITY OF ATLANTA DEPARTMENT OF watershed management

JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT

UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT

RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

JUNCTION BOXES DS-10A

No.	Description	Date
A	90% SUBMITTAL - FOR CITY REVIEW	2/15/2017
B	90% DRAINAGE STRUCTURES	4/28/2017
C	90% SUBMITTAL TO COA	10/23/2017
D	100% SUBMITTAL	

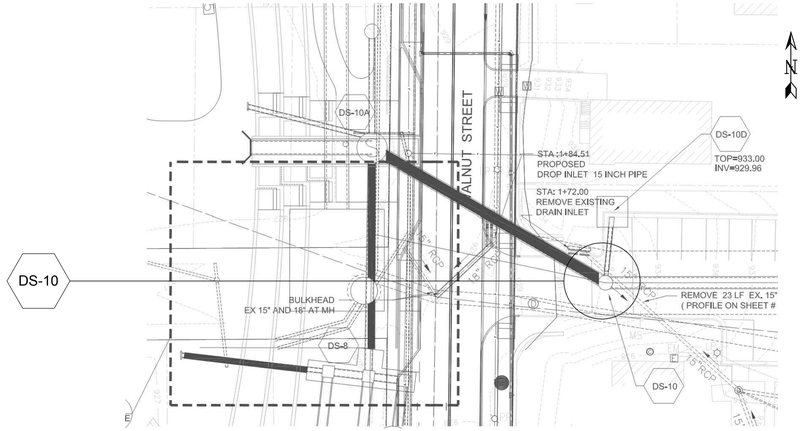
PROJECT NO:	7383-E
DESIGNED BY:	SS
DRAWN BY:	SS
CHECKED BY:	BKT
DATE:	5/12/17
SCALE:	NOTED

DRAWING NO.
S-309

SHEET OF

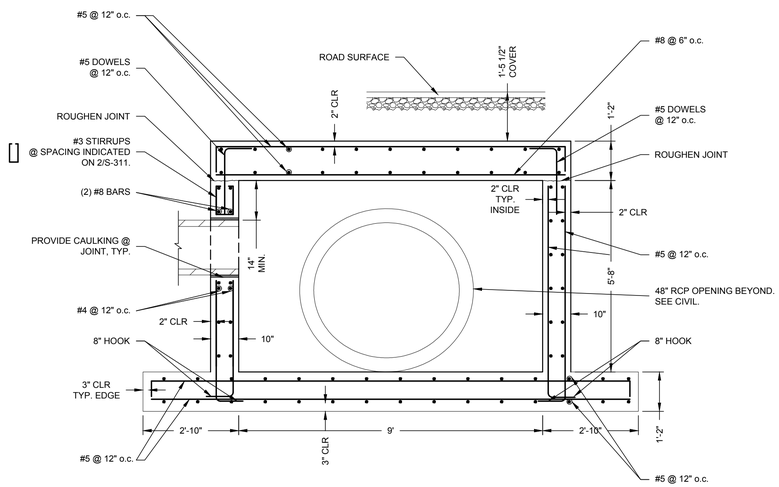
ACAD Rel: 20.1s (LMS Tech)
Filename: Y:\2016 Jobs\216642 – Upper Proctor Creek–Rodney Cook Sr. Park Pond\SDI Drawings\216642 – S – 200.dwg
Last Saved: 10/23/2017 2:35 PM Saved By: SHOREDITSS

Plot Date: 10/23/2017 2:39 PM Plot By: SHOREDITSS Filename: Y:\2016 Jobs\216642 – Upper Proctor Creek–Rodney Cook Sr. Park Pond\SDI Drawings\216642 – S – 200.dwg



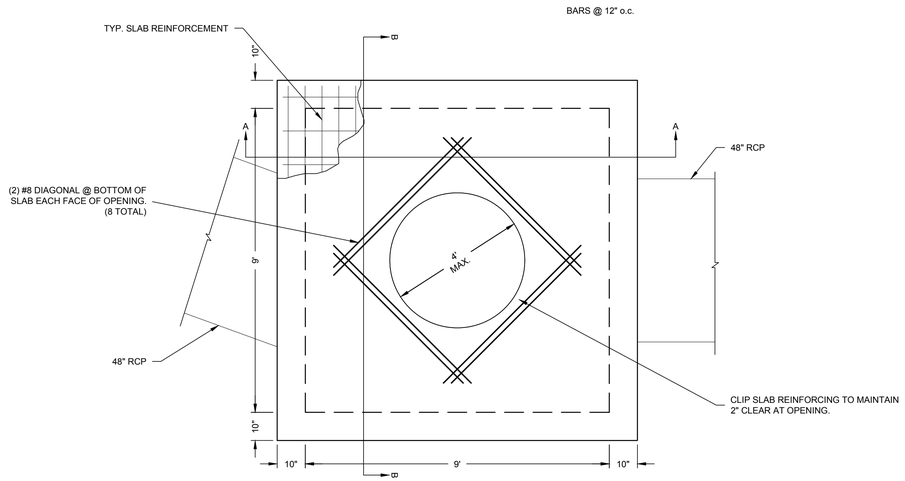
2 / S-310 KEY PLAN

SCALE: N.T.S.



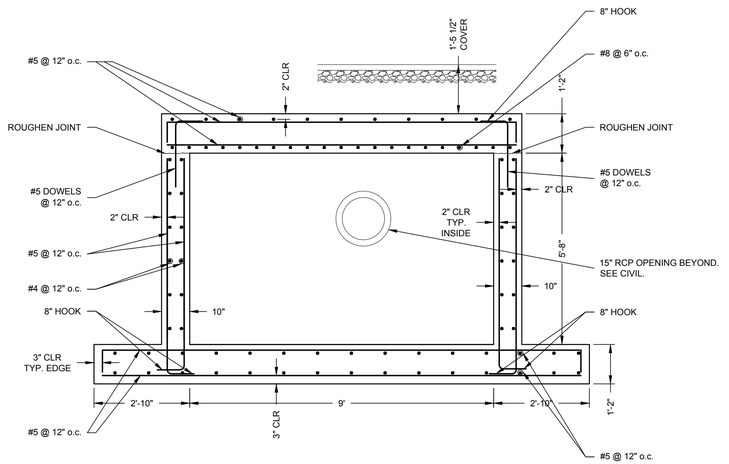
SECTION A-A

2 / S-311



1 / S-310 DS-10 TOP SLAB

SCALE: N.T.S.



SECTION A-A

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5887 Glenridge Drive
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Atlanta, GA. 30328
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Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT

UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT

RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

JUNCTION BOXES DS-10

No.	Description	Date
A	90% SUBMITTAL - FOR CITY REVIEW	2/15/2017
B	90% DRAINAGE STRUCTURES	4/28/2017
C	90% SUBMITTAL TO COA	
D	100% SUBMITTAL	10/23/2017

PROJECT NO:	7383-E
DESIGNED BY:	SS
DRAWN BY:	SS
CHECKED BY:	BKT
DATE:	5/12/17
SCALE:	NOTED

DRAWING NO.

S-310

SHEET OF

ACAD Rel: 20.1s (LMS Tech)
Filename: Y:\2016 Jobs\216642 – Upper Proctor Creek–Rodney Cook Sr. Park Pond\SDI Drawings\216642 – S – 200.dwg
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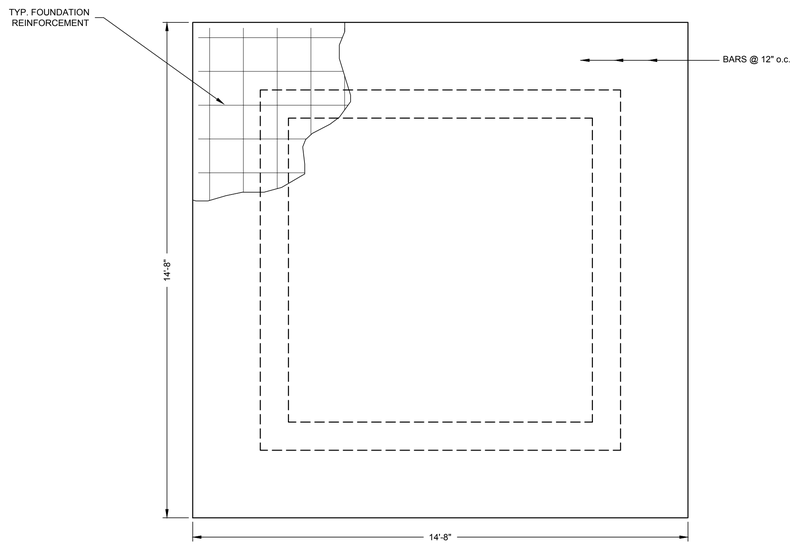
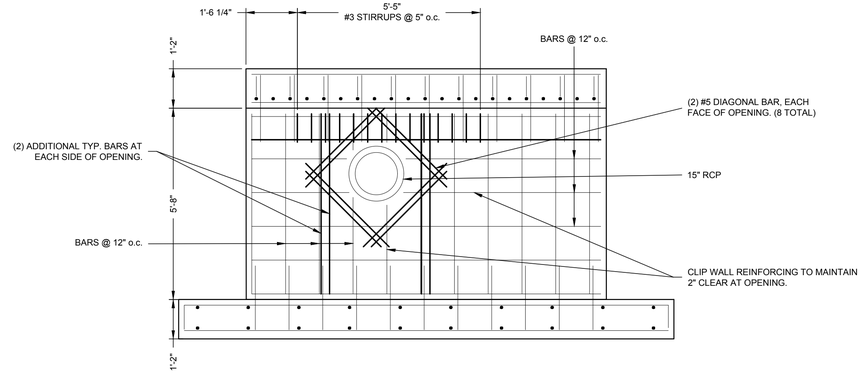
Plot Date: 10/23/2017 2:39 PM Plot By: SHOREDITSS Filename: Y:\2016 Jobs\216642 – Upper Proctor Creek–Rodney Cook Sr. Park Pond\SDI Drawings\216642 – S – 200.dwg



1 S-311 DS-10 BOTTOM SLAB
SCALE: N.T.S.



2 S-311 DS-10 NORTH WALL
SCALE: N.T.S.

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Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

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UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

JUNCTION BOXES DS-10

No.	Description	Date
A	90% SUBMITTAL - FOR CITY REVIEW	2/15/2017
B	90% DRAINAGE STRUCTURES	4/28/2017
C	90% SUBMITTAL TO COA	10/23/2017
D	100% SUBMITTAL	

PROJECT NO:	7383-E
DESIGNED BY:	SS
DRAWN BY:	SS
CHECKED BY:	BKT
DATE:	5/12/17
SCALE:	NOTED

DRAWING NO.
S-311

SHEET OF

ACAD Rel: 20.1s (LMS Tech)
Filename: Y:\2016 Jobs\216642 – Upper Proctor Creek–Rodney Cook Sr. Park Pond\SDI Drawings\216642 – S – 200.dwg
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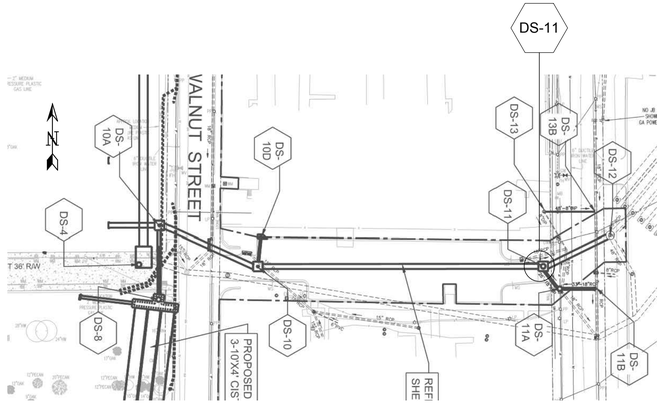
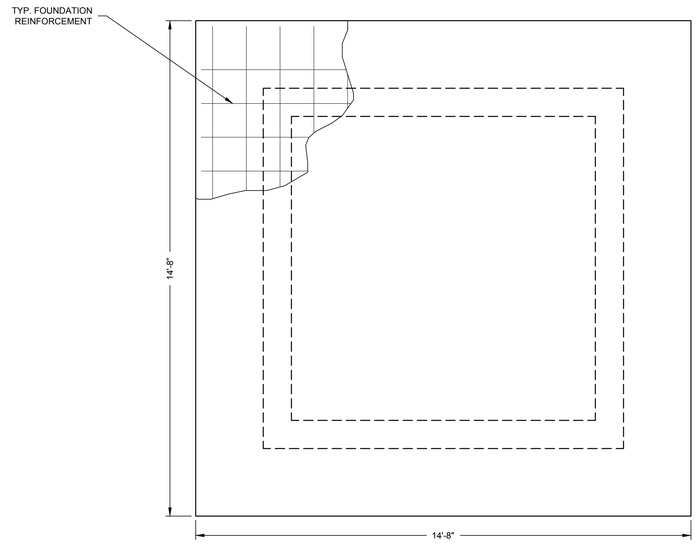
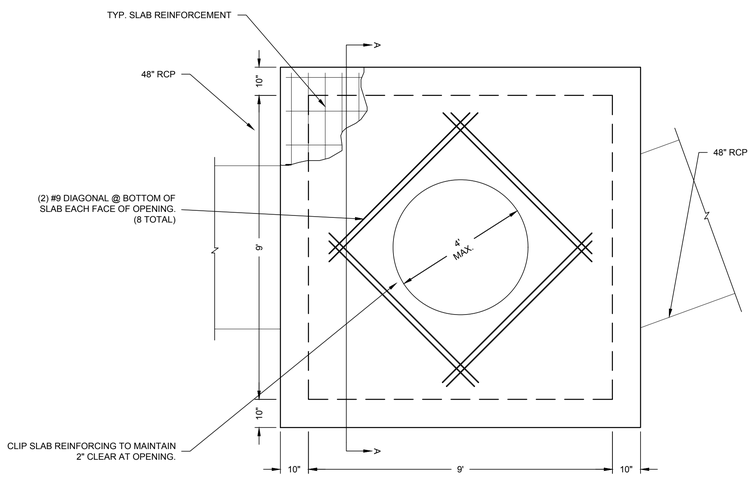


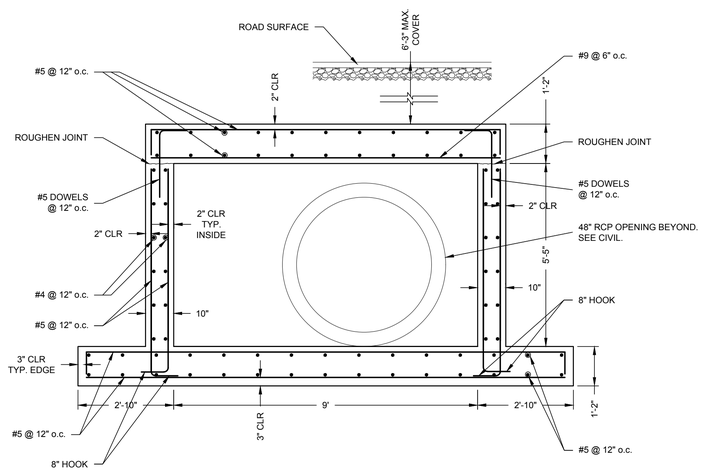
2 KEY PLAN
S-312 SCALE: N.T.S.



3 DS-11 BOTTOM SLAB
S-312 SCALE: N.T.S.



1 DS-11 TOP SLAB
S-312 SCALE: N.T.S.



SECTION A-A

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JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

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UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

JUNCTION BOXES DS-11

No.	Description	Date
A	90% SUBMITTAL - FOR CITY REVIEW	2/15/2017
B	90% DRAINAGE STRUCTURES	4/28/2017
C	90% SUBMITTAL TO COA	10/23/2017
D	100% SUBMITTAL	

PROJECT NO:	7383-E
DESIGNED BY:	SS
DRAWN BY:	SS
CHECKED BY:	BKT
DATE:	5/12/17
SCALE:	NOTED

DRAWING NO.
S-312

SHEET OF

ACAD Rel: 20.1s (LMS Tech)
Filename: Y:\2016 Jobs\216642 – Upper Proctor Creek–Rodney Cook Sr. Park Pond\SDI Drawings\216642 – S – 200.dwg
Last Saved: 10/23/2017 2:35 PM Saved By: SHOREDITSS

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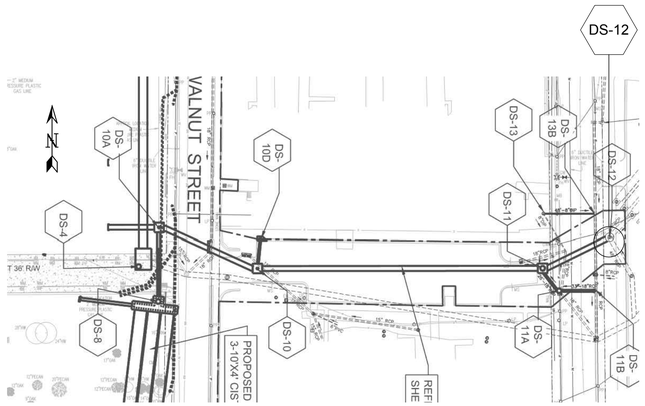
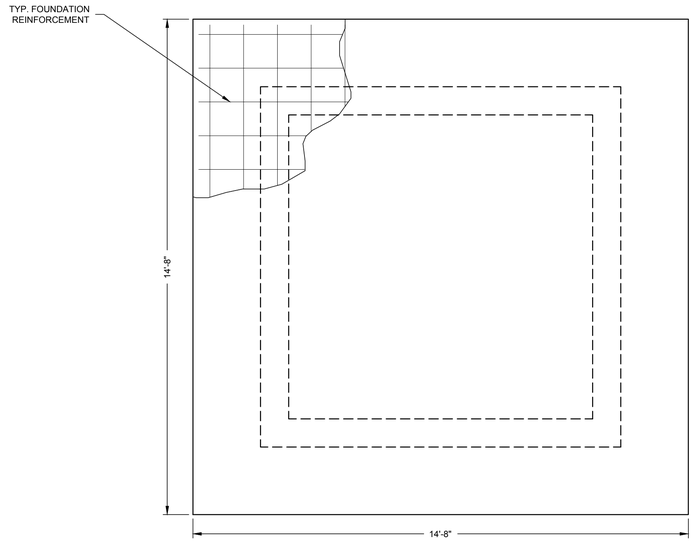


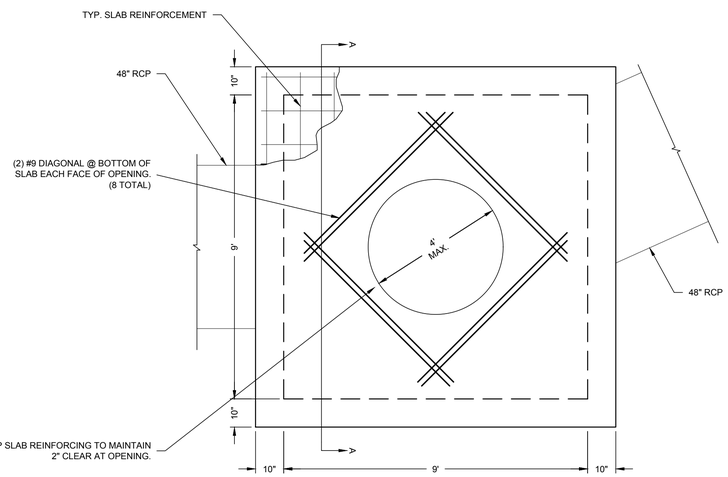
2 / S-313 KEY PLAN

SCALE: N.T.S.



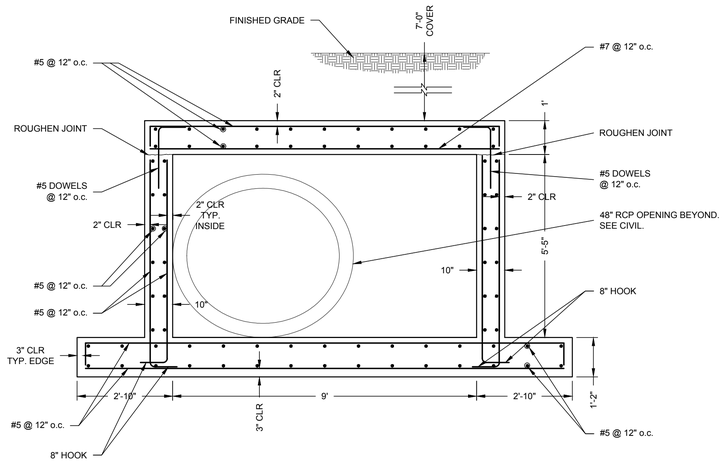
3 / S-313 DS-12 BOTTOM SLAB

SCALE: N.T.S.



1 / S-313 DS-12 TOP SLAB

SCALE: N.T.S.



SECTION A-A

GEORGIA REGISTERED No. 028480 PROFESSIONAL ENGINEER BRIAN K. TUCK

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CITY OF ATLANTA DEPARTMENT OF watershed management

JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

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UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT

RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

JUNCTION BOXES DS-12

No.	Description	Date
A	90% SUBMITTAL - FOR CITY REVIEW	2/15/2017
B	90% DRAINAGE STRUCTURES	4/28/2017
C	90% SUBMITTAL TO COA	
D	100% SUBMITTAL	10/23/2017

PROJECT NO:	7383-E
DESIGNED BY:	SS
DRAWN BY:	SS
CHECKED BY:	BKT
DATE:	5/12/17
SCALE:	NOTED

DRAWING NO.

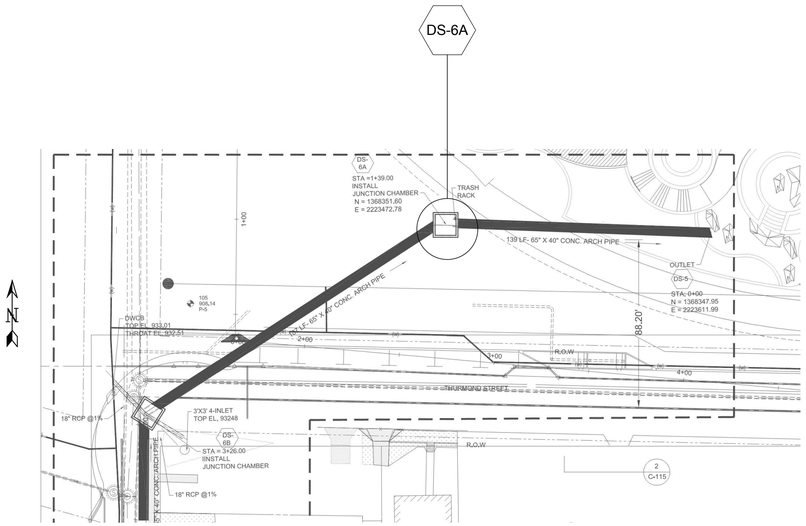
S-313

SHEET OF

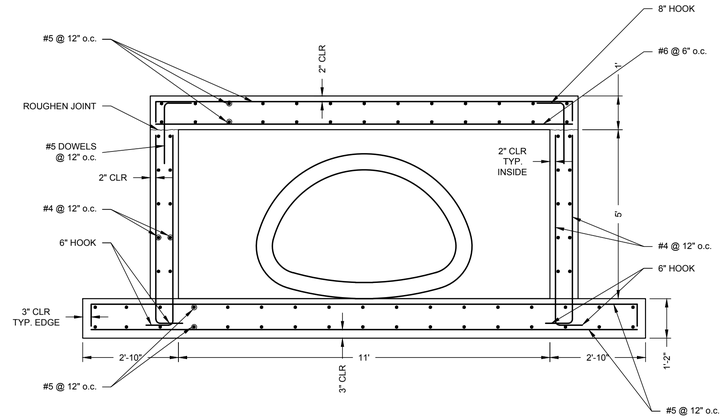
Know what's below. Call before you dig.

ACAD Rel: 20.1s (LMS Tech)
Filename: Y:\2016 Jobs\216642 – Upper Proctor Creek–Rodney Cook Sr. Park Pond\SDI Drawings\216642 – S – 200.dwg
Last Saved: 10/23/2017 2:35 PM Saved By: SHOREDITSS

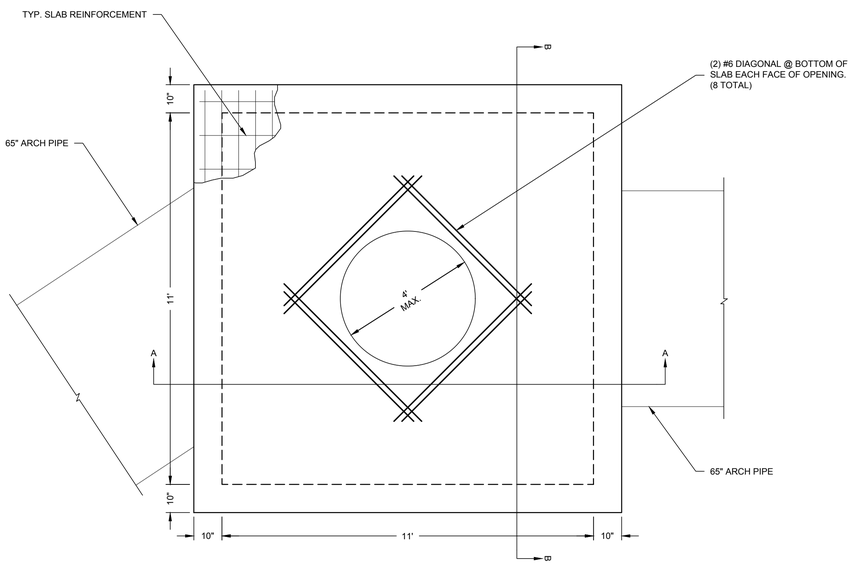
Plot Date: 10/23/2017 2:39 PM Plot By: SHOREDITSS Filename: Y:\2016 Jobs\216642 – Upper Proctor Creek–Rodney Cook Sr. Park Pond\SDI Drawings\216642 – S – 200.dwg



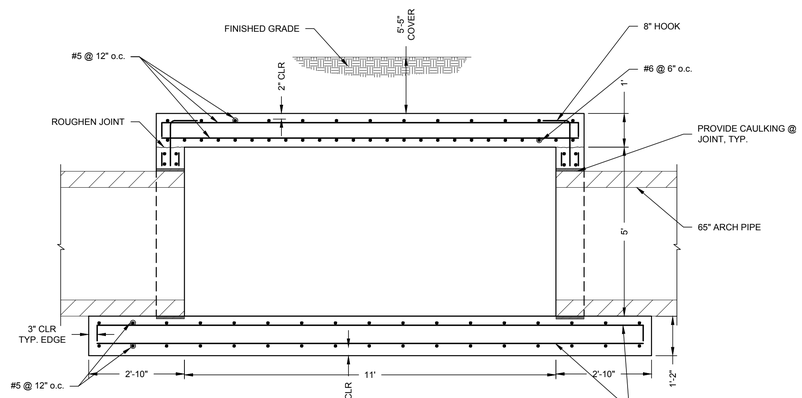
2 KEY PLAN
S-314 SCALE: N.T.S.



SECTION B-B



1 DS-6A TOP SLAB
S-314 SCALE: N.T.S.



SECTION A-A

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JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

JUNCTION BOXES DS-6A

No.	Description	Date
A	90% SUBMITTAL - FOR CITY REVIEW	2/15/2017
B	90% DRAINAGE STRUCTURES	4/28/2017
C	90% SUBMITTAL TO COA	10/23/2017
D	100% SUBMITTAL	

PROJECT NO: 7383-E
DESIGNED BY: SS
DRAWN BY: SS
CHECKED BY: BKT
DATE: 5/12/17
SCALE: NOTED

DRAWING NO.
S-314

SHEET OF

ACAD Rel: 20.1s (LMS Tech)
Filename: Y:\2016 Jobs\216642 – Upper Proctor Creek–Rodney Cook Sr. Park Pond\SDI Drawings\216642 – S – 200.dwg
Last Saved: 10/23/2017 2:35 PM Saved By: SHOREDITSS
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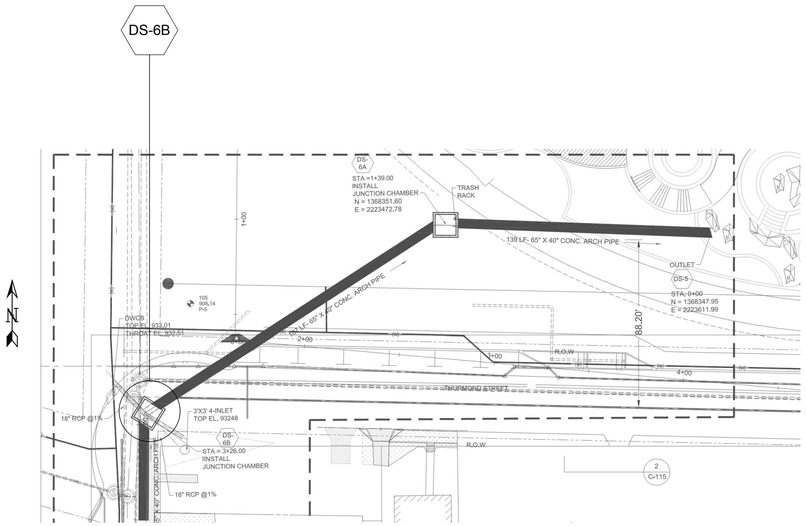
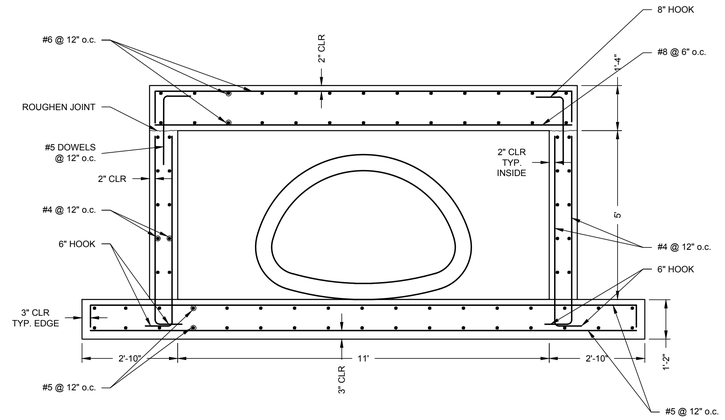
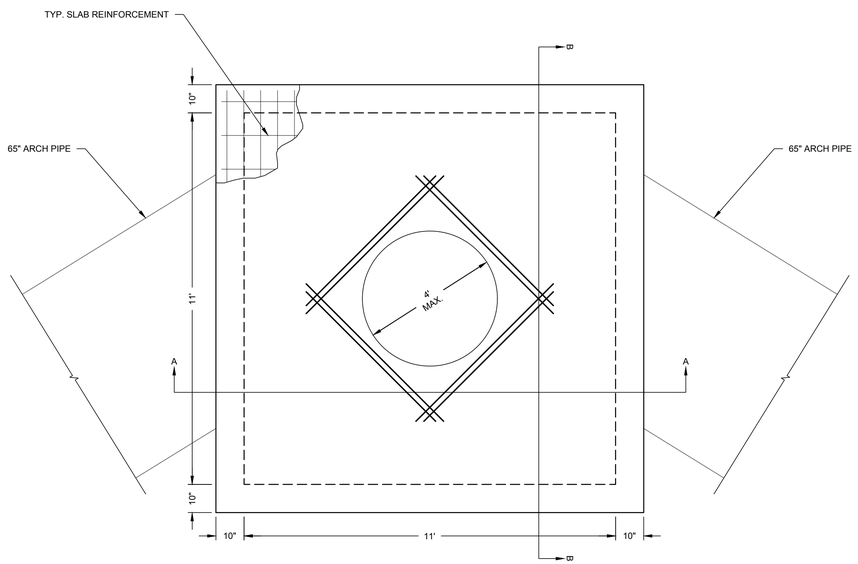


2 KEY PLAN

S-315 SCALE: N.T.S.

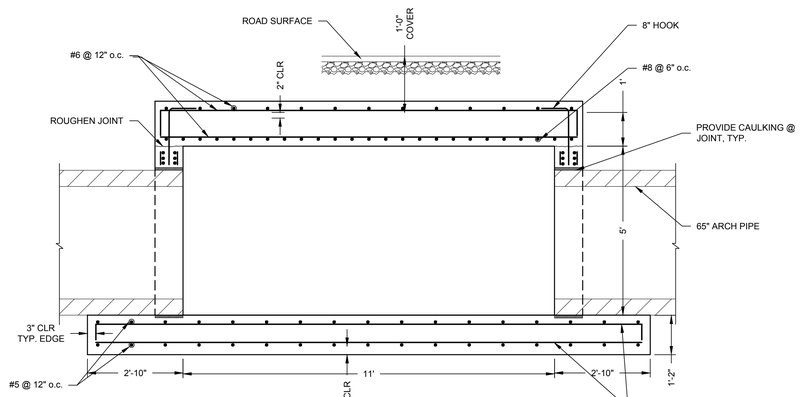


SECTION B-B



1 DS-6B TOP SLAB

S-315 SCALE: N.T.S.



SECTION A-A

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RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

JUNCTION BOXES DS-6B

No.	Description	Date
A	90% SUBMITTAL - FOR CITY REVIEW	2/15/2017
B	90% DRAINAGE STRUCTURES	4/28/2017
C	90% SUBMITTAL TO COA	
D	100% SUBMITTAL	10/23/2017

PROJECT NO:	7383-E
DESIGNED BY:	SS
DRAWN BY:	SS
CHECKED BY:	BKT
DATE:	5/12/17
SCALE:	NOTED

DRAWING NO.
S-315

SHEET OF

ACAD Rel: 20.1s (LMS Tech)
Filename: Y:\2016 Jobs\216642 – Upper Proctor Creek–Rodney Cook Sr. Park Pond\SDI Drawings\216642 – S – 200.dwg
Last Saved: 10/23/2017 2:35 PM Saved By: SHOREDITSS

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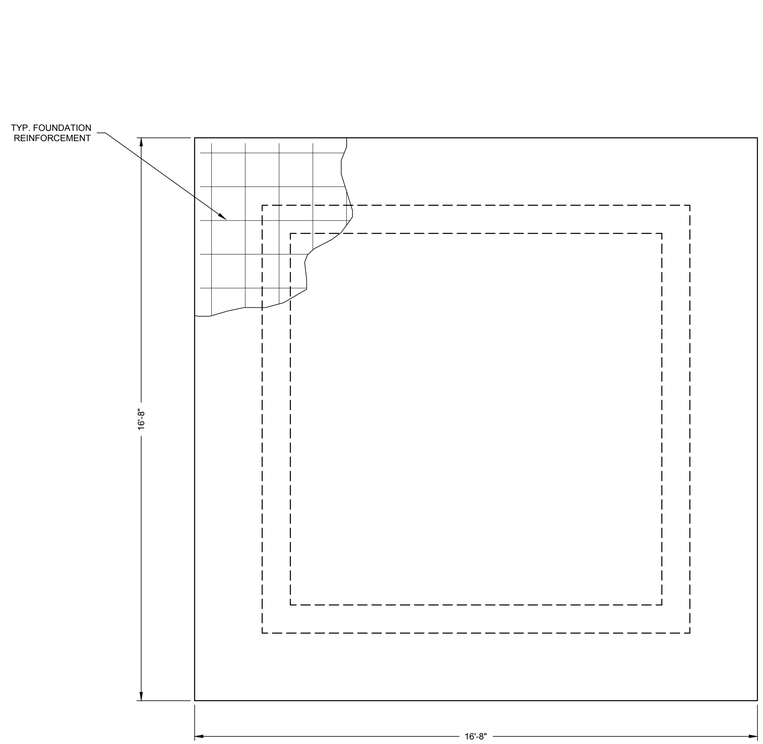
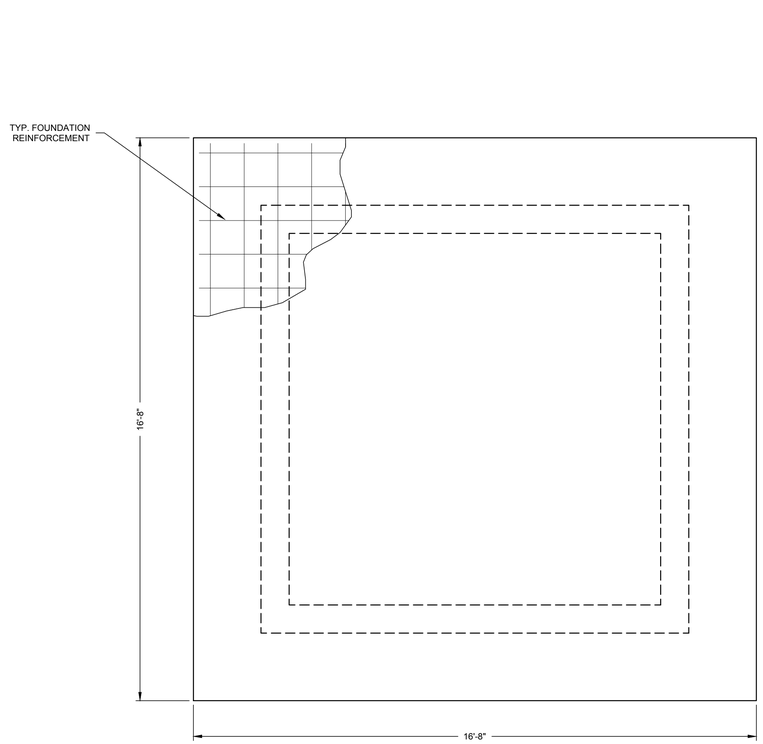


1 S-316 DS-6A BOTTOM SLAB
SCALE: N.T.S.



2 S-316 DS-6B BOTTOM SLAB
SCALE: N.T.S.

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JUNCTION BOXES DS-6A/6B

No.	Description	Date
A	90% SUBMITTAL - FOR CITY REVIEW	2/15/2017
B	90% DRAINAGE STRUCTURES	4/28/2017
C	90% SUBMITTAL TO COA	
D	100% SUBMITTAL	10/23/2017

PROJECT NO:	7383-E
DESIGNED BY:	SS
DRAWN BY:	SS
CHECKED BY:	BkT
DATE:	5/12/17
SCALE:	NOTED

DRAWING NO.
S-316

SHEET OF

ACAD Rel: 20.1s (LMS Tech)
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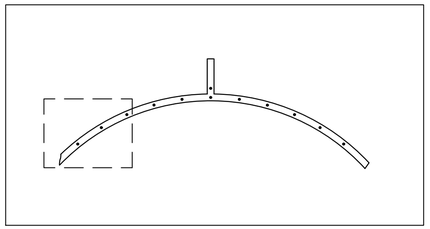
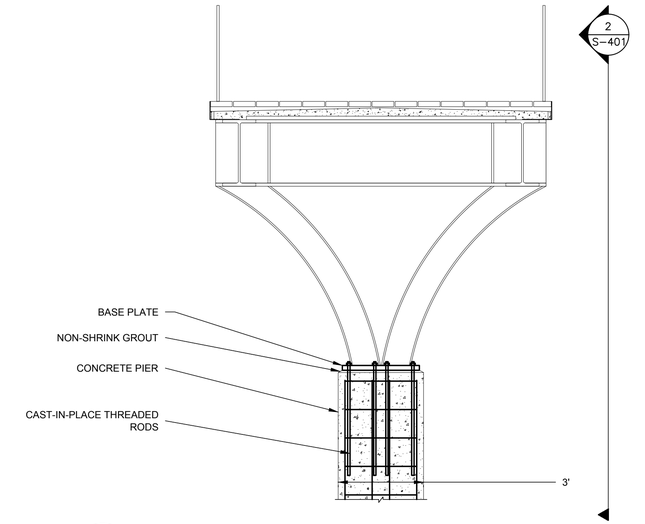
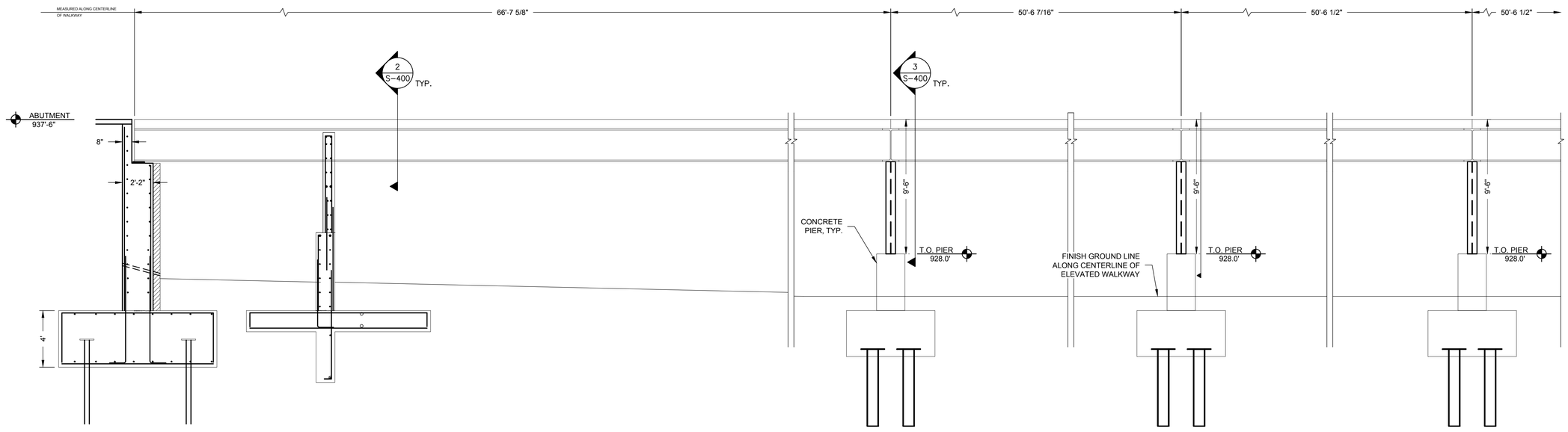




3 S-400 ELEVATED WALKWAY COLUMN FRONT ELEVATION



1 S-400 ELEVATION

NOT FOR CONSTRUCTION

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CITY OF ATLANTA DEPARTMENT OF watershed management

JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT

UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT

RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

WALKWAYS

No.	Description	Date
A	90% SUBMITTAL - FOR CITY REVIEW	2/15/2017
B	90% DRAINAGE STRUCTURES	4/28/2017
C	90% SUBMITTAL TO COA	10/23/2017
D	100% SUBMITTAL	

PROJECT NO:	7383-E
DESIGNED BY:	SS
DRAWN BY:	SS
CHECKED BY:	BKT
DATE:	5/12/17
SCALE:	NOTED

DRAWING NO.

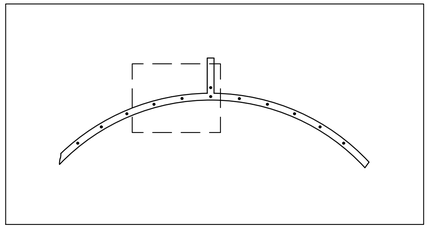
S-400

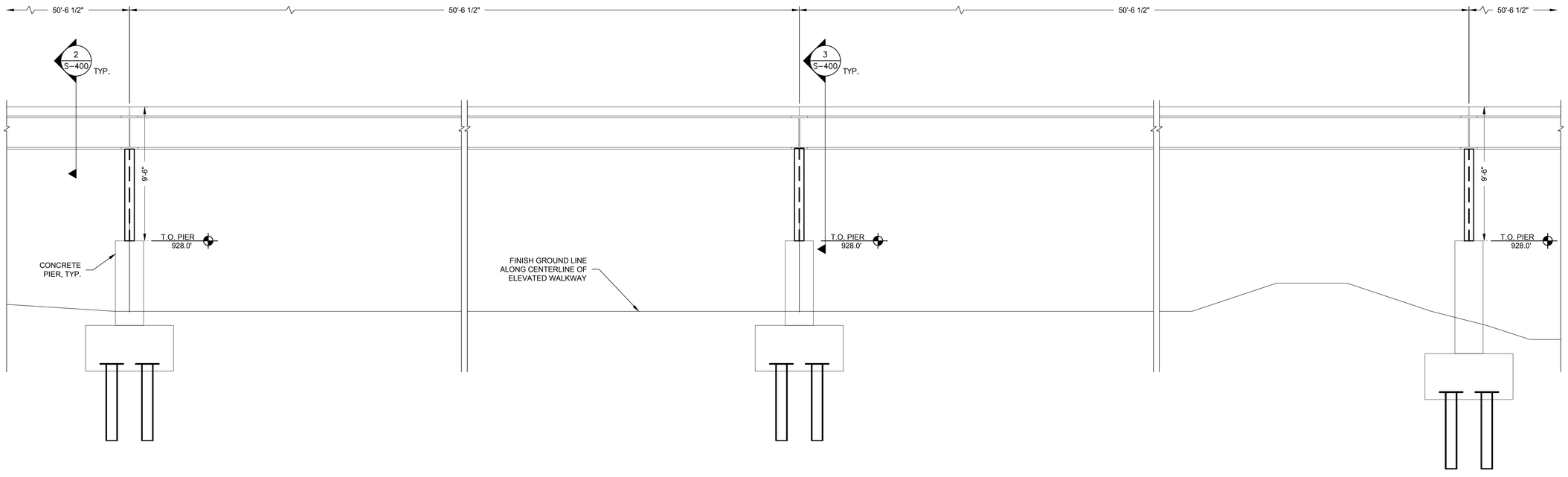
SHEET OF

811 Know what's **below.** **Call** before you dig.

ACAD Rel: 20.1s (LMS Tech)
Filename: Y:\2016 Jobs\216642 – Upper Proctor Creek–Rodney Cook Sr. Park Pond\SDI Drawings\216642 – S – 400.dwg
Last Saved: 10/23/2017 2:35 PM Saved By: SHOREDITSS

Plot Date: 10/23/2017 2:39 PM Plot By: SHOREDITSS Filename: Y:\2016 Jobs\216642 – Upper Proctor Creek–Rodney Cook Sr. Park Pond\SDI Drawings\216642 – S – 400.dwg





1 ELEVATION
S-401

811 Know what's below. Call before you dig.

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UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT

RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

WALKWAYS

No.	Description	Date
A	90% SUBMITTAL - FOR CITY REVIEW	2/15/2017
B	90% DRAINAGE STRUCTURES	4/28/2017
C	90% SUBMITTAL TO COA	10/23/2017
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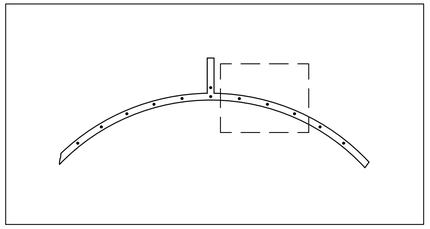
PROJECT NO:	7383-E
DESIGNED BY:	SS
DRAWN BY:	SS
CHECKED BY:	BKT
DATE:	5/12/17
SCALE:	NOTED

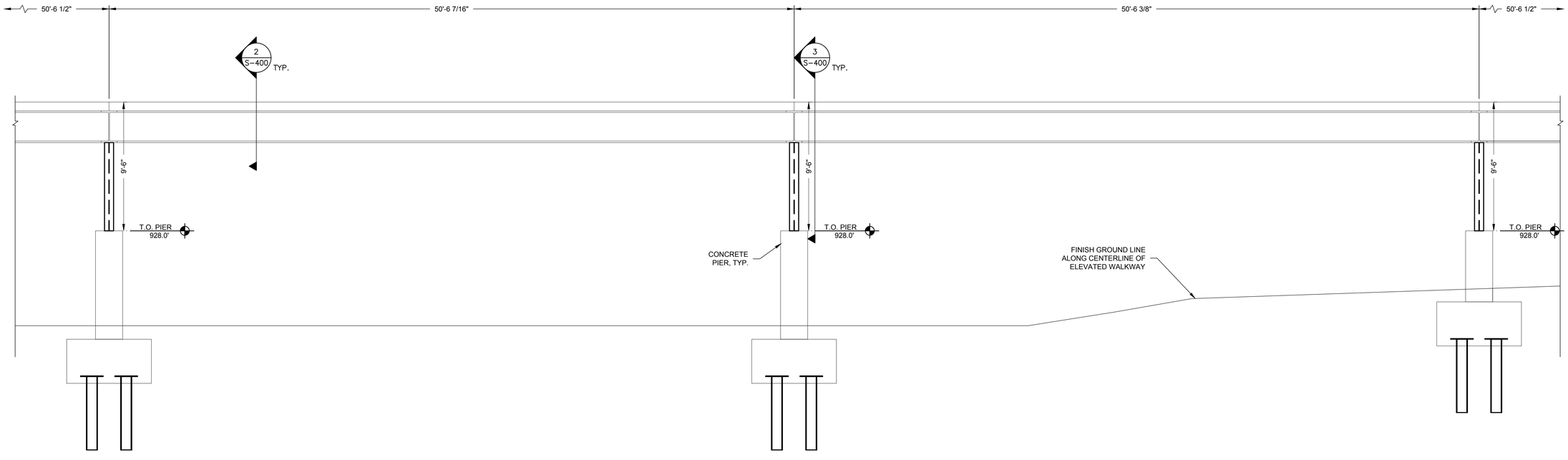
DRAWING NO.
S-401

SHEET OF

ACAD Rel: 20.1s (LMS Tech)
Filename: Y:\2016 Jobs\216642 – Upper Proctor Creek–Rodney Cook Sr. Park Pond\SDI Drawings\216642 – S – 400.dwg
Last Saved: 10/23/2017 2:35 PM Saved By: SHOREDITSS

Plot Date: 10/23/2017 2:39 PM Plot By: SHOREDITSS Filename: Y:\2016 Jobs\216642 – Upper Proctor Creek–Rodney Cook Sr. Park Pond\SDI Drawings\216642 – S – 400.dwg





1 S-402 ELEVATION

811 Know what's **below.** **Call** before you dig.

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UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT

RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

WALKWAYS

No.	Description	Date
A	90% SUBMITTAL - FOR CITY REVIEW	2/15/2017
B	90% DRAINAGE STRUCTURES	4/28/2017
C	90% SUBMITTAL TO COA	10/23/2017
D	100% SUBMITTAL	

PROJECT NO:	7383-E
DESIGNED BY:	SS
DRAWN BY:	SS
CHECKED BY:	BKT
DATE:	5/12/17
SCALE:	NOTED

DRAWING NO.

S-402

SHEET OF

ACAD Rel: 20.1s (LMS Tech)
Filename: Y:\2016 Jobs\216642 – Upper Proctor Creek–Rodney Cook Sr. Park Pond\SDI Drawings\216642 – S – 400.dwg
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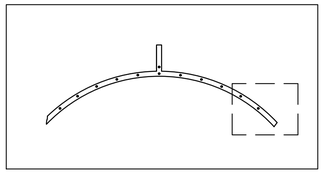

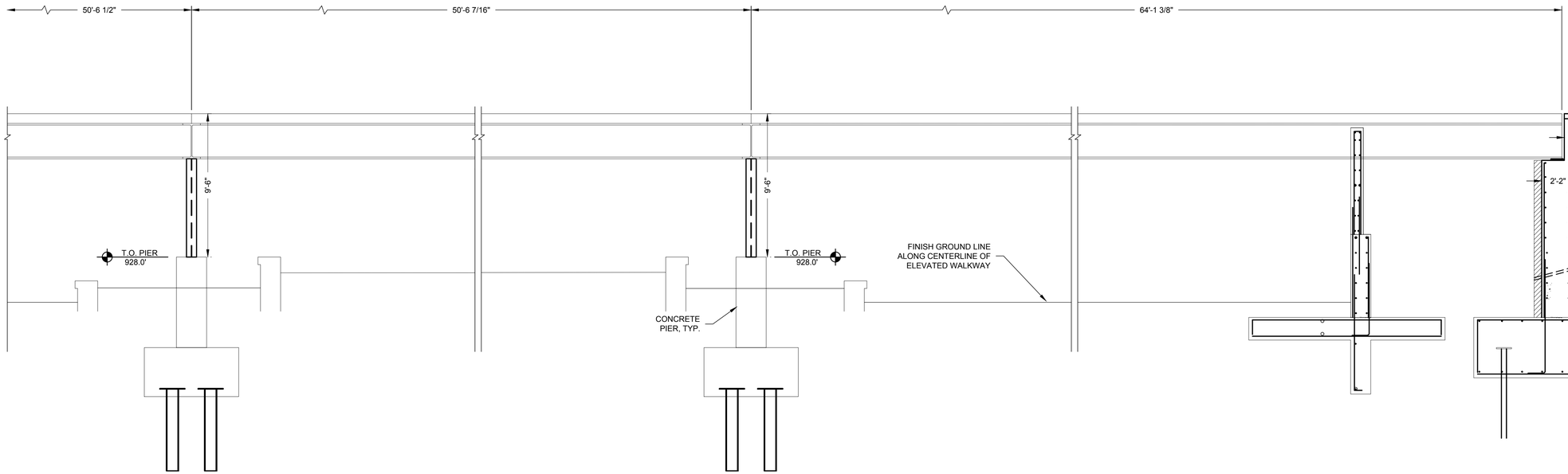

1 S-403 ELEVATION

811 Know what's below. Call before you dig.

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5887 Glenridge Drive
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Fax: 404.979.3310

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UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT

RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

WALKWAYS

No.	Description	Date
A	90% SUBMITTAL - FOR CITY REVIEW	2/15/2017
B	90% DRAINAGE STRUCTURES	4/28/2017
C	90% SUBMITTAL TO COA	
D	100% SUBMITTAL	10/23/2017

PROJECT NO:	7383-E
DESIGNED BY:	SS
DRAWN BY:	SS
CHECKED BY:	BKT
DATE:	5/12/17
SCALE:	NOTED

DRAWING NO.

S-403

SHEET OF

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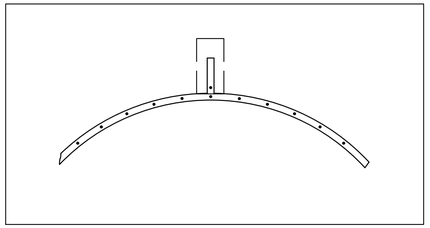

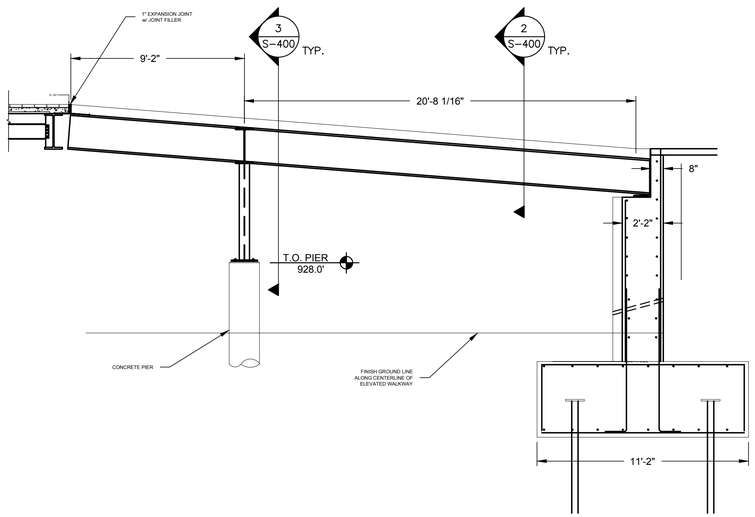

1 ELEVATION
S-404

NOT FOR CONSTRUCTION

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5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

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RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

WALKWAYS

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C	90% SUBMITTAL TO COA	
D	100% SUBMITTAL	10/23/2017

PROJECT NO:	7383-E
DESIGNED BY:	SS
DRAWN BY:	SS
CHECKED BY:	BkT
DATE:	5/12/17
SCALE:	NOTED

DRAWING NO.
S-404

SHEET OF

Know what's **below.**
Call before you dig.

ACAD Rel: 20.1s (LMS Tech)
Filename: Y:\2016 Jobs\216642 - Upper Proctor Creek-Rodney Cook Sr. Park Pond\SDI Drawings\216642 - S - 400.dwg
Last Saved: 10/23/2017 2:35 PM Saved By: SHOREDITSS

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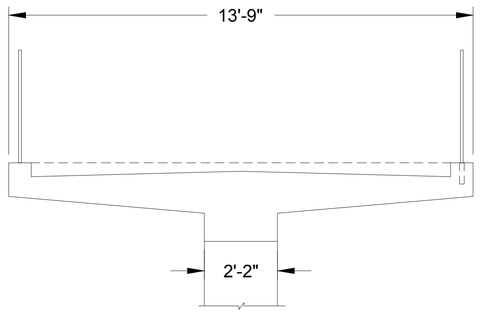
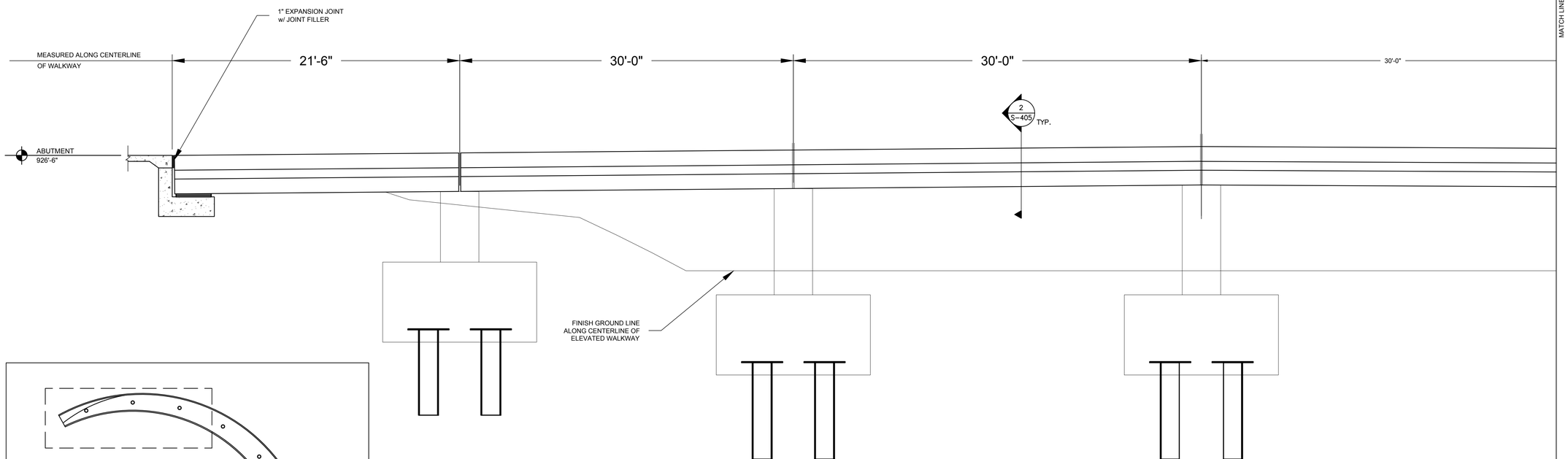


2 / S-405 NORTH BOARDWALK SECTION



1 / S-405 ELEVATION

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D	100% SUBMITTAL	10/23/2017

PROJECT NO:	7383-E
DESIGNED BY:	SS
DRAWN BY:	SS
CHECKED BY:	BKT
DATE:	5/12/17
SCALE:	NOTED

DRAWING NO.
S-405

SHEET OF

ACAD Rel: 20.1s (LMS Tech)
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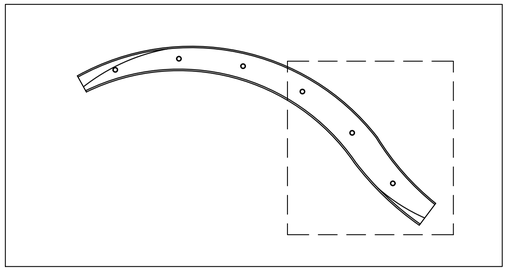

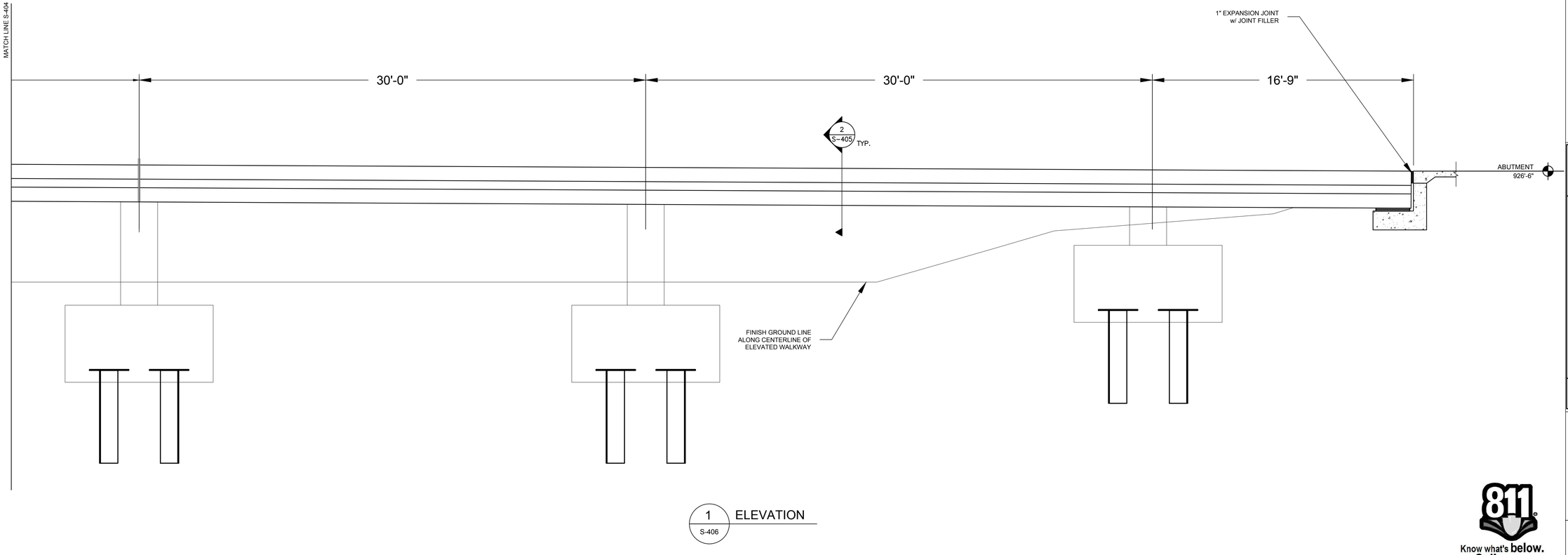

1 S-406 ELEVATION

NOT FOR CONSTRUCTION

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JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT

UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT

RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

WALKWAYS

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C	90% SUBMITTAL TO COA	
D	100% SUBMITTAL	10/23/2017

PROJECT NO:	7383-E
DESIGNED BY:	SS
DRAWN BY:	SS
CHECKED BY:	BKT
DATE:	5/12/17
SCALE:	NOTED

DRAWING NO.

S-406

SHEET OF

Know what's below. Call before you dig.

ACAD Rel: 20.1s (LMS Tech)
Filename: Y:\2016 Jobs\216642 – Upper Proctor Creek–Rodney Cook Sr. Park Pond\SDI Drawings\216642 – S – 400.dwg
Last Saved: 10/23/2017 2:49 PM Saved By: SHOREDITSS

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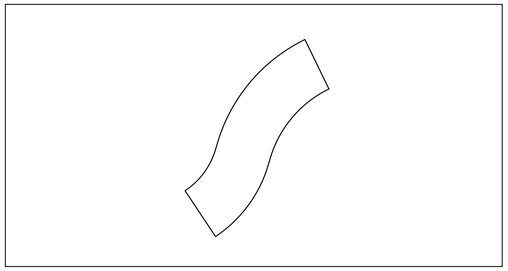

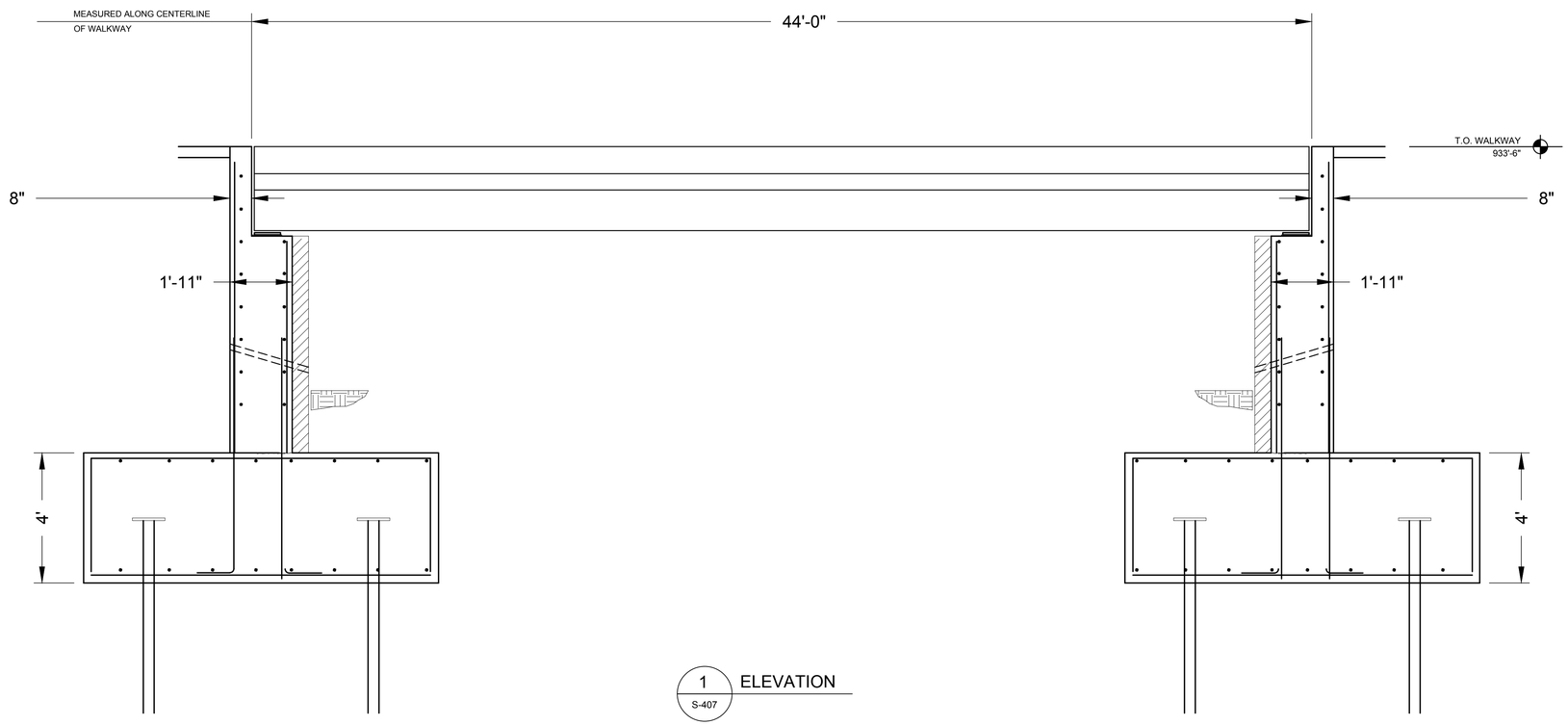

1 ELEVATION
S-407

NOT FOR CONSTRUCTION

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JP2
5887 Glenridge Drive
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C	90% SUBMITTAL TO COA	
D	100% SUBMITTAL	10/23/2017

PROJECT NO:	7383-E
DESIGNED BY:	SS
DRAWN BY:	SS
CHECKED BY:	BKT
DATE:	5/12/17
SCALE:	NOTED

DRAWING NO.
S-407

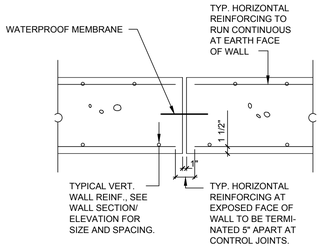
SHEET OF

Know what's below. Call before you dig.

ACAD Rel: 20.1s (LMS Tech)
Filename: Y:\2016 Jobs\216642 – Upper Proctor Creek–Rodney Cook Sr. Park Pond\SDI Drawings\216642 – S – 400.dwg
Last Saved: 10/23/2017 2:35 PM Saved By: SHOREDITSS

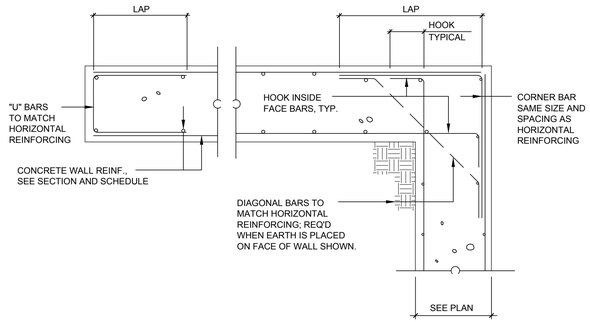
Plot Date: 10/23/2017 2:40 PM Plot By: SHOREDITSS Filename: Y:\2016 Jobs\216642 – Upper Proctor Creek–Rodney Cook Sr. Park Pond\SDI Drawings\216642 – S – 400.dwg

NOTE: MAXIMUM SPACING OF SEPARATION JOINT IS 75 FEET, U.N.O. JOINT DOES NOT CONTINUE THROUGH FOOTING.



3 / S-500 — SEPARATION JOINT PLAN DETAIL

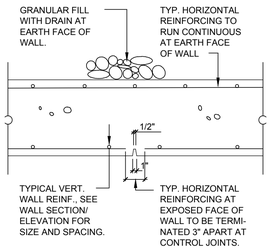
SCALE: N.T.S.



4 / S-500 — WALL END/CORNER DETAIL

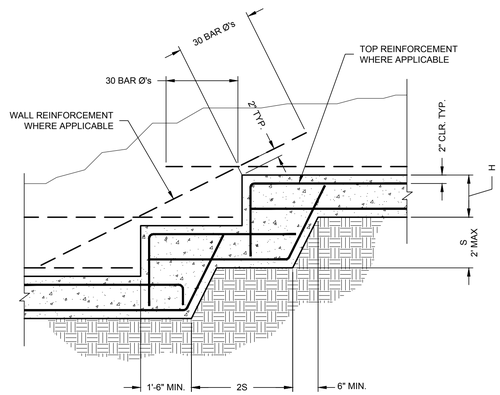
SCALE: N.T.S.

NOTE: MAXIMUM SPACING OF CONTROL JOINT IS 25 FEET, U.N.O.



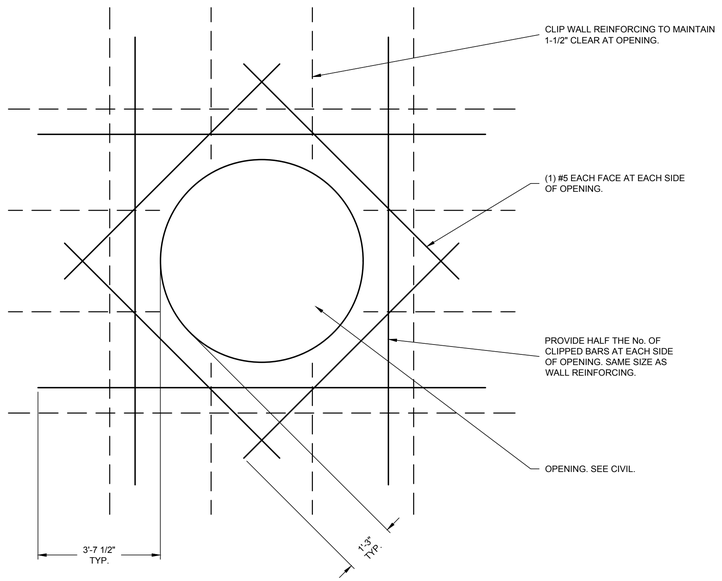
5 / S-500 — CONTROL JOINT PLAN DETAIL

SCALE: N.T.S.



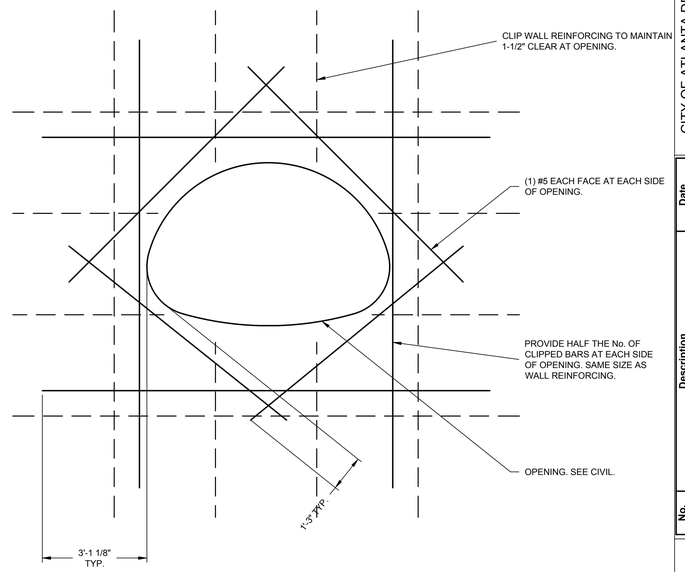
1 / S-500 — STEPPED FOOTING DETAIL

SCALE: N.T.S.



2 / S-500 — CONCRETE WALL OPENING DETAIL

SCALE: N.T.S.



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GEORGIA REGISTERED No. 028480 PROFESSIONAL ENGINEER BRIAN K. TUCK

Oct 23 2017

CITY OF ATLANTA DEPARTMENT OF watershed management
JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
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UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

TYPICAL DETAILS

No.	Description	Date
A	90% SUBMITTAL - FOR CITY REVIEW	2/15/2017
B	90% DRAINAGE STRUCTURES	4/28/2017
C	90% SUBMITTAL TO COA	10/23/2017
D	100% SUBMITTAL	

PROJECT NO:	7383-E
DESIGNED BY:	SS
DRAWN BY:	SS
CHECKED BY:	BKT
DATE:	5/12/17
SCALE:	NOTED

DRAWING NO.

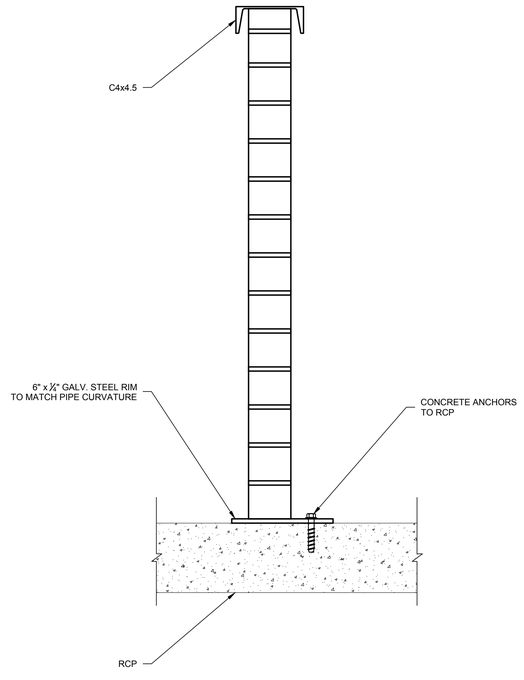
S-500

SHEET OF

ACAD Rel: 20.1s (LMS Tech)
Filename: Y:\2016 Jobs\216642 – Upper Proctor Creek–Rodney Cook Sr. Park Pond\SDI Drawings\216642 – S – 500.dwg
Last Saved: 10/23/2017 2:34 PM Saved By: SHOREDITSS

1 S-501 TRASH RACK ELEVATIONS

SCALE: N.T.S.



2 S-501 TRASH RACK SECTION

SCALE: N.T.S.

Know what's **below.** **Call** before you dig.

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GEORGIA REGISTERED No. 028480 PROFESSIONAL ENGINEER BRIAN. K. TUCK

Oct 23 2017

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RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

TYPICAL DETAILS

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PROJECT NO:	7383-E
DESIGNED BY:	SS
DRAWN BY:	SS
CHECKED BY:	BKT
DATE:	5/12/17
SCALE:	NOTED

DRAWING NO.

S-501

SHEET OF

ACAD Rel: 20.1s (LMS Tech)
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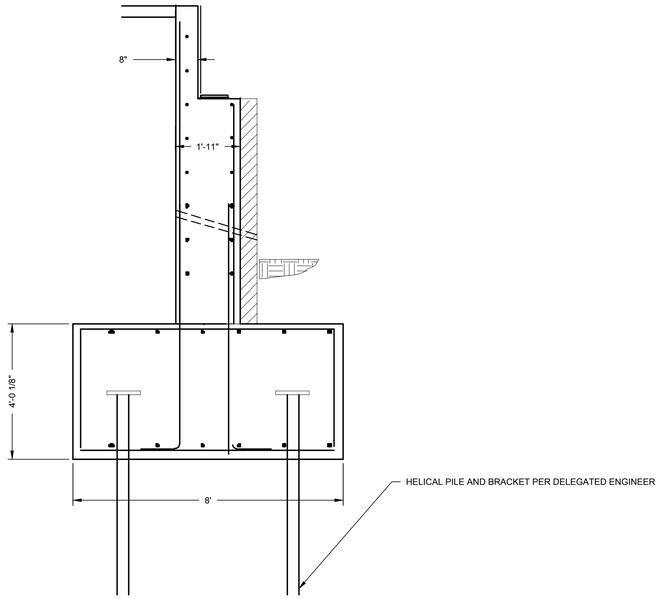
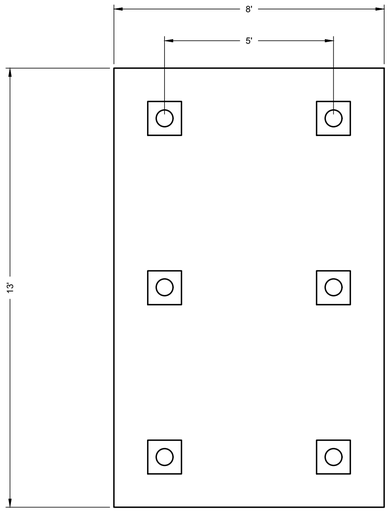


1 / S-502 TYPICAL ABUTMENT SECTION



2 / S-502 TYPICAL ABUTMENT PIER CAP PLAN

Know what's **below.** **Call** before you dig.

NOT FOR CONSTRUCTION

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CITY OF ATLANTA DEPARTMENT OF watershed management

JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT
RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

BRIDGE ABUTMENTS

No.	Description	Date
A	90% SUBMITTAL - FOR CITY REVIEW	2/15/2017
B	90% DRAINAGE STRUCTURES	4/28/2017
C	90% SUBMITTAL TO COA	
D	100% SUBMITTAL	10/23/2017

PROJECT NO:	7383-E
DESIGNED BY:	SS
DRAWN BY:	SS
CHECKED BY:	BKT
DATE:	5/12/17
SCALE:	NOTED

DRAWING NO.
S-502

SHEET OF

ACAD Rel: 20.1s (LMS Tech)
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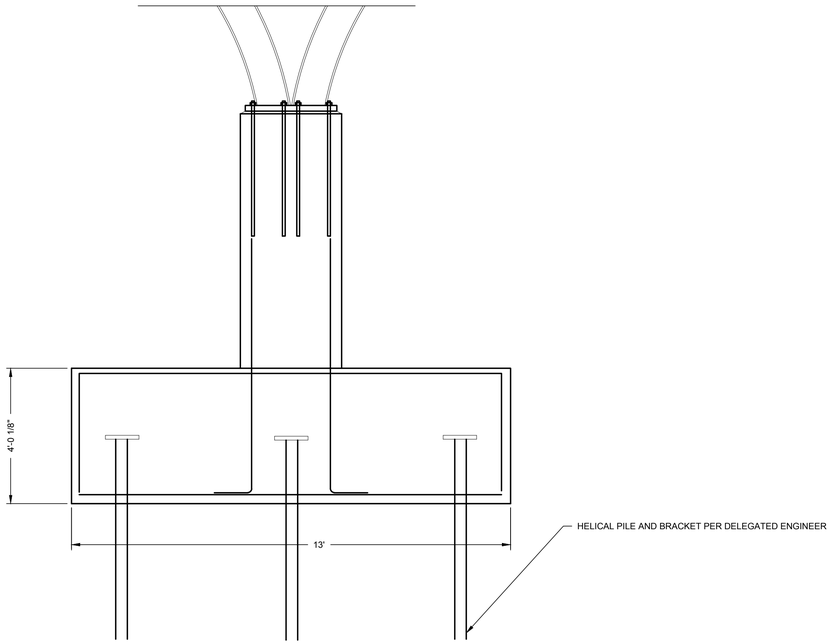
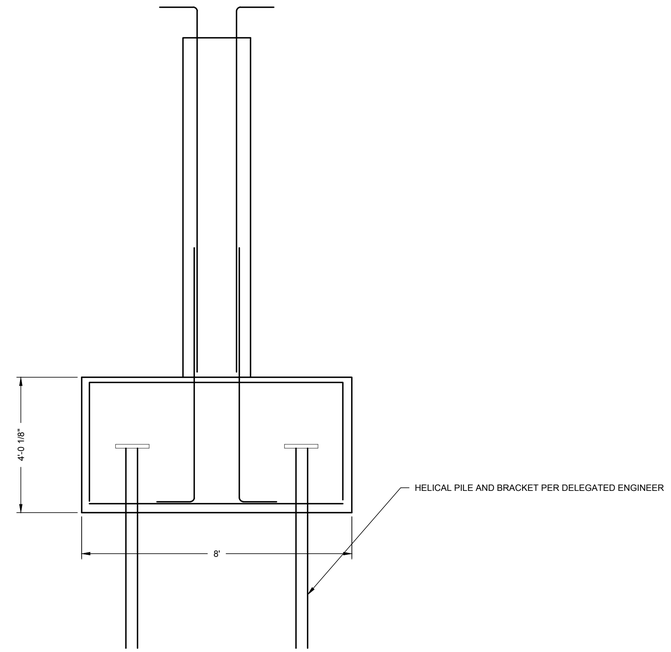
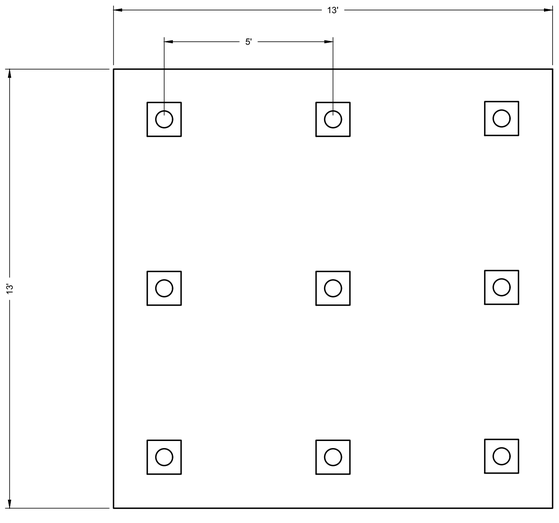


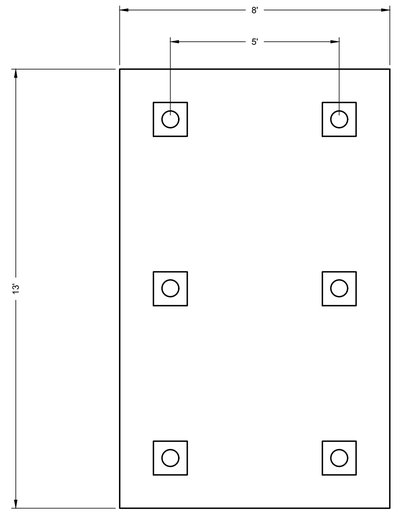
1 S-503 TYPICAL BRIDGE COLUMN SECTION



3 S-503 TYPICAL BRIDGE COLUMN SECTION



2 S-503 TYPICAL BRIDGE COLUMN PILE CAP PLAN



4 S-503 TYPICAL BRIDGE COLUMN PILE CAP PLAN

Know what's **below.** **Call** before you dig.

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JP2
5887 Glenridge Drive
Suite 300
Atlanta, GA. 30328
Phone: 404.979.3300
Fax: 404.979.3310

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UPPER PROCTOR CREEK CAPACITY RELIEF PROJECT

RODNEY COOK, SR. PARK IN HISTORIC VINE CITY

BRIDGE ABUTMENTS

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D	100% SUBMITTAL	10/23/2017

PROJECT NO:	7383-E
DESIGNED BY:	SS
DRAWN BY:	SS
CHECKED BY:	BKT
DATE:	5/12/17
SCALE:	NOTED

DRAWING NO.
S-503

SHEET OF

ACAD Rel: 20.1s (LMS Tech)
Filename: Y:\2016 Jobs\216642 – Upper Proctor Creek–Rodney Cook Sr. Park Pond\SDI Drawings\216642 – S – 500.dwg
Last Saved: 10/23/2017 2:34 PM Saved By: SHOREDITSS

Plot Date: 10/23/2017 2:40 PM Plot By: SHOREDITSS Filename: Y:\2016 Jobs\216642 – Upper Proctor Creek–Rodney Cook Sr. Park Pond\SDI Drawings\216642 – S – 500.dwg