4/14/2022	GPLOT-V8	0015019_01-0001.dgn	CONTRACT No.	P. I. No.
Kay.Sharpe	gplotborder-V81-P0.tbl	GRWCOV		0015019

CITY OF ATLANTA

PLAN AND PROFILE OF PROPOSED

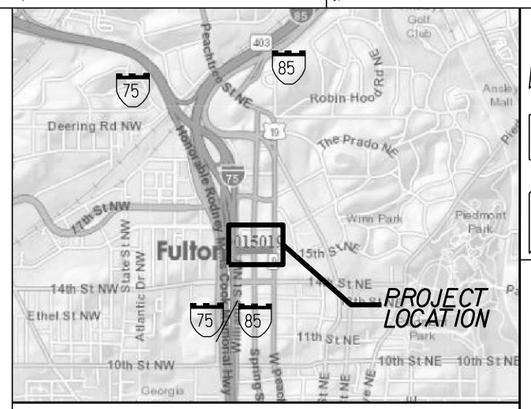
15TH STREET EXTENSION

FROM SR 9/WEST PEACHTREE STREET TO CS 673/WILLIAMS STREET FULTON COUNTY

FEDERAL AID PROJECT

FEDERAL ROUTE * N/A
STATE ROUTE * N/A
P.I.NO. 0015019

PROJECT MIDPOINT
STA 14+75.00
N 1378178.7838
E 2229081.4851



LOCATION SKETCH N.T.S.

DESIGN DATA:
TRAFFIC A.D.T.: 9,725 VPD (2023)
TRAFFIC A.D.T.: 11,825 VPD (2043)
TRAFFIC D.H.V.: 1147 VPH (2043)
DIRECTIONAL DIST: 58%
% TRUCKS: 3.0%
24 HR.TRUCKS %: 6.0%
SPEED DESIGN: 25 MPH

LOCATION & DESIGN APPROVAL DATE: APRIL 20,2020

FUNCTIONAL CLASS:
URBAN LOCAL ROAD

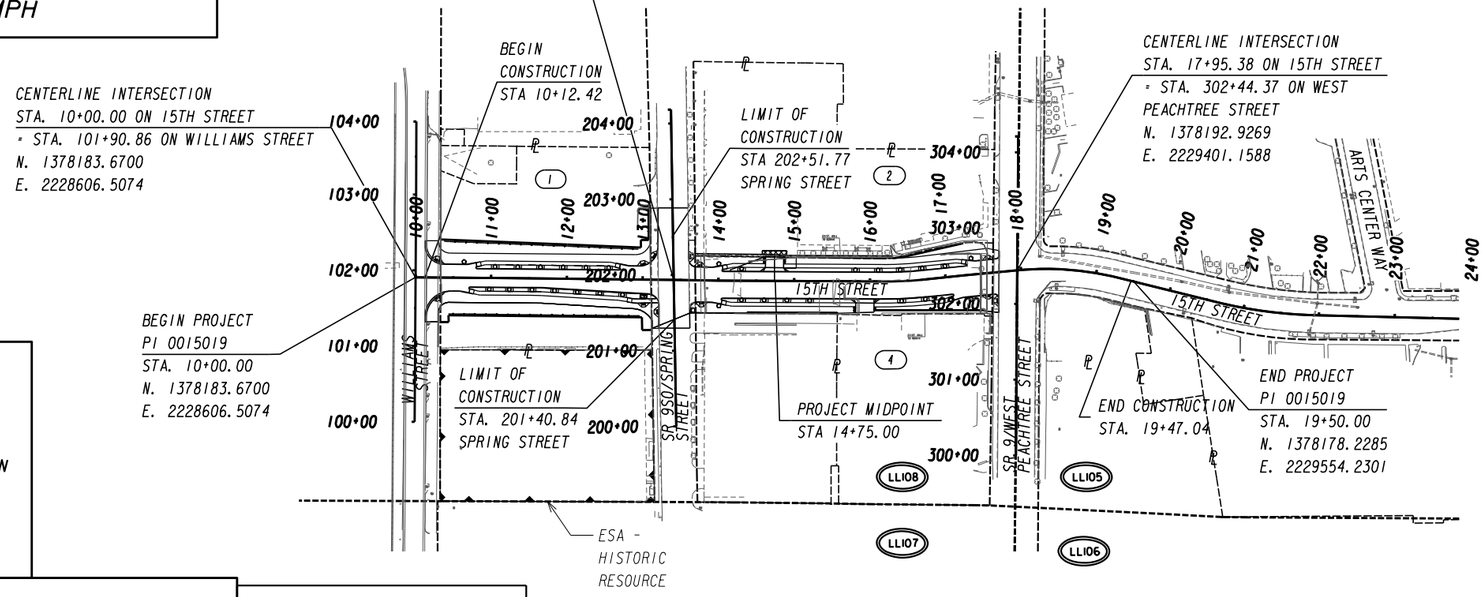
THIS PROJECT IS 100% IN FULTON COUNTY AND IS 100% IN CONG. DIST.NO.5.

PROJECT DESIGNATION: EXEMPT

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

THIS PROJECT HAS BEEN PREPARED USING THE HORIZONTAL GEORGIA COORDINATE SYSTEM OF 1984 (NAD 1983)1/94 WEST ZONE.AND THE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988.

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



LENGTH OF PROJECT PI 0015019	FULTON COUNTY NO.121
	MILES
NET LENGTH OF ROADWAY	0.180
NET LENGTH OF BRIDGES	0.000
NET LENGTH OF PROJECT	0.180
NET LENGTH OF EXCEPTIONS	0.000
GROSS LENGTH OF PROJECT	0.180

Jacobs

SCALE IN FEET
0 100 200 400

GEORGIA REGISTERED PE028999 PROFESSIONAL ENGINEER RICHARD E. BOSTON

PREPARED BY: Richard E Boston
DESIGN

RECOMMENDED FOR APPROVAL BY: DocuSigned by: Ibrahim Abousaud 4/15/2022
4E9C5705B54A4CF...
CITY DESIGN ENGINEER

PLANS COMPLETED 4-15-2022	
REVISIONS 7-12-2022	
8-24-2022	
9-9-2022	
3-20-2023	

DRAWING No. 01-0001

CGNCOV

DRAWING NO.	DESCRIPTION
1-0001	COVER
2-0001	INDEX
3-0001	REVISION SUMMARY
4-0001 to 4-0004	GENERAL NOTES
5-0001 to 5-0004	TYPICAL SECTIONS
6-0001 to 6-0003	SUMMARY OF QUANTITIES
7-0001	QUANTITIES BY AMENDMENT
8-0001	QUANTITIES (CONSTRUCTION)
10-0001 to 10-0003	TRAFFIC DIAGRAMS
11-0001	CONSTRUCTION LAYOUT
13-0001 to 13-0002A	MAINLINE PLANS
15-0001	MAINLINE ROADWAY PROFILE
17-0001	DRIVEWAY PROFILES
19-0001 to 19-0009	STAGING PLANS
21-0001 to 21-0003A	DRAINAGE AREA MAPS
22-0001 to 22-0002	DRAINAGE PROFILES
23-0001 to 23-0005	CROSS SECTIONS
24-0000 to 24-0002A	UTILITY PLANS
25-0001 to 25-0007	LIGHTING PLANS
26-0001 to 26-0002A	SIGNING AND MARKING PLANS
27-0001 to 27-0011	TRAFFIC SIGNAL PLANS
28-0001 to 28-0004	ITS PLANS
29-0001 to 29-0003	LANDSCAPING PLANS AND DETAILS
31-0001	RETAINING WALL ENVELOPES
32-0001 to 32-0003	RETAINING WALL PLANS
38-0001	TYPE "C" CATCH BASIN
38-0002	MODIFIED TYPE "C" CATCH BASIN
38-0003	EXTENDED BOX 1033F CATCH BASIN
38-0004	DECORATIVE FENCE DETAIL
38-0005	GRANITE CURB AT DRIVEWAY
38-0006 to 38-0007	DRIVEWAY DETAILS
38-0008	MIDTOWN ATLANTA GUIDELINES
38-0009	MIDTOWN ATLANTA GUIDELINES
38-0010	EXTENDED BOX 1033F CATCH BASIN(BY OTHERS)
	GA DEPARTMENT OF TRANSPORTATION CONST. DETAILS
40-0001	A-1 DRIVEWAYS WITH TAPERED ENTRANCES-CONCRETE VALLEY GUTTERS (7-11)
40-0002	A-2 CONCRETE VALLEY GUTTER AT STREET INTERSECTION; 6" OR 8" CONCRETE AT DRIVE
	PLACING PAVEMENT ADJACENT TO GUTTER ADDITIONAL PAVING
	AT STREET INTERSECTION 4' CORRUGATED CONCRETE MEDIAN (7-11)
40-0003	A-3 CONCRETE SIDEWALK DETAILS; CURB CUT (WHEELCHAIR) RAMPS (9-16)
40-0004	A-4 DETECTABLE WARNING SURFACE TRUNCATED DOME SIZE, SPACING AND ALIGNMENT REQUIREMENTS (6-09)
40-0005	T-1 SIGN PLATES (1-00)
40-0006	T-2 DETAILS FOR TYPICAL FRAMING (3-00)
40-0007	T-3A TYPE 7, 8 AND 9 SQUARE TUBE POST INSTALLATION DETAIL (7-02)
40-0008	T-3B DETAILS OF SQUARE TUBE POST (BREAKAWAY SIGN SUPPORT) (7-02)
40-0009	T-4 DETAILS OF CARDINAL DIRECTION SIGNS (1-00)
40-0010	T-5A DETAILS OF REGULATORY SIGNS SHEET 1 OF 2 (1-03)
40-0011	T-5C DETAILS OF WARNING SIGNS (1-00)
40-0012	T-11A DETAILS OF PAVEMENT MARKING PLACEMENT NON-LIMITED ACCESS ROADWAY (9-16)
40-0013	T-12A DETAILS OF PAVEMENT MARKING ARROW LOCATION (1-00)
40-0014	T-12B DETAILS OF PAVEMENT MARKINGS - ARROWS (11-20)
40-0015	T-14 DETAIL OF PAVEMENT MARKING HATCHING (11-08)
40-0016	T-15A DETAILS OF RAISED PAVEMENT MARKER LOCATION NON-LIMITED ACCESS ROADWAY (9-16)
40-0017	T-15C DETAILS OF RAISED PAVEMENT MARKERS (9-11)
40-0018	T-16 DETAILS OF BICYCLE LANE PAVEMENT MARKINGS (3-16)
40-0019	T-16A DETAILS OF SHARED BICYCLE LANE (3-16)
40-0020	T-21 TRAFFIC CONTROL PEDESTRIAN ACCESSIBILITY AROUND WORKZONE-SIDEWALK DETOUR (10-08)

DRAWING NO.	DESCRIPTION
40-0021	TS-01A INDUCTIVE-LOOP DETECTOR INSTALLATION (11-20)
40-0022	TS-01B INDUCTIVE-LOOP DETECTOR INSTALLATION (11-20)
40-0023	TS-2 PULLBOX ASSEMBLY AND INSTALLATION (4-10)
40-0024	TS-02 PREFABRICATED CABINET BASE (11-20)
40-0025	TS-03 PEDESTRIAN FACILITIES INSTALLATION (11-20)
40-0026	TS-04A TRAFFIC SIGNAL SUPPORT STRUCTURES (11-20)
40-0027	TS-04B TRAFFIC SIGNAL SUPPORT STRUCTURES (11-20)
40-0028	TS-05 STRAIN POLE AND MAST ARM FOUNDATIONS (11-20)
40-0029	TS-06 GROUNDING FOR TRAFFIC SIGNAL SUPPORT STRUCTURES (11-20)
40-0030	TS-07 UTILITY CLEARANCE (11-20)
40-0031	TS-08 GUYING (11-20)
40-0032	TS-09 FIBER OPTICS INSTALLATION (11-20)
	GA DEPARTMENT OF TRANSPORTATION STANDARD PLANS
41-0001	1011-A BRICK MANHOLES (10-81)
41-0002	1011-AP PRECAST REINFORCED CONCRETE MANHOLE (6-75)
41-0003	1013 CATCH BASINS WITH CASTINGS (8-99)
41-0004	1019-A DROP INLETS (8-99)
41-0005	1019-AP PRECAST DROP INLETS (8-99)
41-0006	1401 PAVEMENT PATCHING DETAILS (STORM DRAIN OR UTILITY INSTALLATIONS BY OPEN CUT ACROSS EXISTING PAVEMENT) (8-99)
41-0007	3626 ONE PIPE ALUMINUM HANDRAILING FOR BRIDGES (10-85)
41-0008	3901 BAR BENDING DETAILS (8-69)
41-0009	4949D PARAPET RETAINING WALL TYPES P1, P2, AND P3 (5-20)
41-0010	9031L GRAVITY WALL TYPICAL SECTIONS, RAISING HEADWALL, AND TYPICAL PIPE PLUG (9-16)
41-0011	9031R PLACING ROOF DRAIN PIPE UNDER SIDEWALK - RAMP TYPE BARRICADE - PIPE HANDRAIL FOR RETAINING WALL PIPE HANDRAIL FOR CONCRETE STEPS (10-88)
41-0012	9100 TRAFFIC CONTROL GENERAL NOTES, STANDARD LEGEND AND MISCELLANEOUS DETAILS (3-06)
41-0013	9106 TRAFFIC CONTROL DETAIL FOR LANE CLOSURE ON MULTI-LANE DIVIDED HIGHWAY (9-07)
44-0000 to 44-0006	UTILITY RELOCATION PLANS
	EROSION CONTROL PLANS
50-0001	EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN COVER
51-0001 to 51-0003	ESPCP GENERAL NOTES
52-0001	EC-L1 EROSION CONTROL LEGEND AND UNIFORM CODE SHEETS- SHEET 1 OF 7 (03/17)
52-0002	EC-L2 EROSION CONTROL LEGEND AND UNIFORM CODE SHEETS- SHEET 2 OF 7 (11/18)
52-0003	EC-L3 EROSION CONTROL LEGEND AND UNIFORM CODE SHEETS- SHEET 3 OF 7 (03/17)
52-0004	EC-L4 EROSION CONTROL LEGEND AND UNIFORM CODE SHEETS- SHEET 4 OF 7 (03/17)
52-0005	EC-L5 EROSION CONTROL LEGEND AND UNIFORM CODE SHEETS- SHEET 5 OF 7 (03/17)
52-0006	EC-L6 EROSION CONTROL LEGEND AND UNIFORM CODE SHEETS- SHEET 6 OF 7 (11/18)
52-0007	EC-L7 EROSION CONTROL LEGEND AND UNIFORM CODE SHEETS- SHEET 7 OF 7 (03/17)
53-0001 to 53-0003	EROSION CONTROL DRAINAGE AREA MAP
54-0001 to 54-0010A	BMP LOCATION DETAILS
55-0001	WATERSHED MAP SITE MONITORING PLAN
56-0001	CURB INLET PROTECTION - 1 OF 2 (10-11)
56-0002	CURB INLET PROTECTION - 2 OF 2 (10-11)
60-0001	RIGHT OF WAY COVER (NOT INCLUDED)
60-0002 to 60-0004	RIGHT OF WAY PLANS (NOT INCLUDED)

Jacobs

REVISION DATES
07-12-2022
09-09-2022
03-20-2023

INDEX

15TH STREET EXTENSION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		02-0001
CORRECTED:		DATE:		
VERIFIED:		DATE:		

DATE	DRAWING NO.	REVISION
07-12-2022	02-0001	REVISED SHEETS NUMBERS FOR 6 SERIES, 32 SERIES, 44 SERIES, AND 60 SERIES.
	04-0001	ADDED GENERAL NOTES *17 & *18 FOR MILESTONES A AND B.
	13-0001	ADDED REFERENCE TO GENERAL NOTES *17 & *18 REGUARDING MILESTONES A AND B.
	13-0001A	ADDED REFERENCE TO GENERAL NOTES *17 & *18 REGUARDING MILESTONES AAND B.
	13-0002	ADDED REFERENCE TO GENERAL NOTES *17 & *18 REGUARDING MILESTONES A AND B.
	13-0002A	ADDED REFERENCE TO GENERAL NOTES *17 & *18 REGUARDING MILESTONES A AND B.
	13-0002B	ADDED REFERENCE TO GENERAL NOTES *17 & *18 REGUARDING MILESTONES A AND B.
	13-0002C	ADDED REFERENCE TO GENERAL NOTES *17 & *18 REGUARDING MILESTONES A AND B.
	19-0001	REVISED NO CONSTRUCTION AREA FROM 30-FT TO 40-FT IN STAGE 2 NOTES.
08-24-2022	06-0001	ADDED/REVISED QUANTITIES.
	06-0003	REVISED PAY ITEM 163-0300 TO 163-0301.
	07-0001	ADDED/REVISED PAY ITEMS.
09-09-2022	06-0001	REVISED ROCK EXCAVATION QUANTITY.
	06-0003	ADDED PAY ITEMS.
	07-0001	ADDED/REVISED PAY ITEMS.
	24-0002	REVISED LINEWORK AND ADDED CALLOUTS.
	29-0002	REVISED CALLOUT SHEET NUMBER FOR PAVER FROM 38-0010 TO 38-0009.
	38-0009	ADDED DETAIL SHEET.
03-20-2023	04-0001	ELIMINATE NOTES *17 & *18 REGARDING MILESTONES A AND B
		ADDED NOTE *7 REGARDING THE PAY ITEMS FOR ROCK EXCAVATION AND BLASTING.
		AND ADD A NEW NOTE *18 REGARDING ACCESS PARCEL*4 .
	05-0001	ADDED/REVISED TYPICAL SECTIONS.
	05-0002	ADDED/REVISED TYPICAL SECTIONS.
	05-0003	ADDED/REVISED TYPICAL SECTIONS.
	06-0001	ADDED/REVISED PAY ITEMS.
	06-0002	ADDED/REVISED PAY ITEMS.
	06-0003	ADDED/REVISED PAY ITEMS.
	07-0001	ADDED/REVISED PAY ITEMS.
	13-0001	ADDED ACCESS TO PARCEL*4/HANOVER AND UPDATED DRAINAGE CONSTRUCTED BY OTHER CONTRACTORS.
	13-0001A	ADDED ACCESS TO PARCEL*4/HANOVER AND UPDATED DRAINAGE CONSTRUCTED BY OTHER CONTRACTORS.
	13-0002	ADDED ACCESS TO PARCEL*4/HANOVER AND UPDATED DRAINAGE CONSTRUCTED BY OTHER CONTRACTORS.
	13-0002A	ADDED ACCESS TO PARCEL*4/HANOVER AND UPDATED DRAINAGE CONSTRUCTED BY OTHER CONTRACTORS.
	13-0002B	ELIMINATED SHEET 13-0002B.
	13-0002C	ELIMINATED SHEET 13-0002C.
	19-0001	ADDED NOTE FOR ACCESS PARCEL*4
	22-0002	UPDATED DRAINAGE SYTEM C.
	23-0003	UPDATED CROSSECTIONS ACCESS PARCEL *4.
	23-0004	UPDATED CROSSECTIONS ACCESS PARCEL *4.
	24-0001	ADDED ACCESS TO PARCEL*4/HANOVER AND UPDATED DRAINAGE CONSTRUCTED BY OTHER CONTRACTORS.
	24-0002	ADDED ACCESS TO PARCEL*4/HANOVER AND UPDATED DRAINAGE CONSTRUCTED BY OTHER CONTRACTORS.
	25-0001	UPDATED QUANTITIES AND GENERAL NOTES.
	25-0002	UPDATED WIRING SCEDULE AND LIGHTING SYSTEM.
	25-0003	UPDATED WIRING SCEDULE AND LIGHTING SYSTEM.
	25-0004	UPDATED PANELS SECTIONS AND METER WIRING DIAGRAM AND ELIMINATE METER PEDESTAL DETAILS.
	25-0005	UPDATED FIXTURE TYPE "C" AND "CH" FOUNDATION DETAILS AND ELIMINATE POLES DIAGRAMS.
	25-0007	ADDED INSPECTIONS AND SHOP DRAWING REVIEW NOTES.
	26-0001	ADDED ACCESS TO PARCEL*4/HANOVER AND UPDATED DRAINAGE CONSTRUCTED BY OTHER CONTRACTORS.
	26-0002	ADDED ACCESS TO PARCEL*4/HANOVER AND UPDATED DRAINAGE CONSTRUCTED BY OTHER CONTRACTORS.
	38-0003	UPDATED SPECIAL DESIGN BOXES FOR DRAINAGE SYSTEM C.
	38-0010	ADDED SPECIAL DESIGN BOXES FOR THE DRAINAGE SYSTEM C.
		THAT WILL BE CONSTRUCTED BY OTHER CONTRACTORS..

DATE	DRAWING NO.	REVISION

Jacobs

REVISION DATES
07/12/2022
08/24/2022
09/09/2022
03/20/2023

REVISION SUMMARY

15TH STREET EXTENSION

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

DRAWING No. 03-0001

1. AN N.O.I. WILL BE REQUIRED FOR THIS PROJECT.

2. THERE IS NO KNOWN SUITABLE PLACE TO BURY EXISTING CONSTRUCTION DEBRIS WITHIN THE PROJECT'S LIMITS. THE CONTRACTOR SHALL PROVIDE AN ENVIRONMENTALLY APPROVED SITE AS SHOWN IN GA. SPECIFICATION 201 TO DISPOSE OF EXISTING CONSTRUCTION DEBRIS AT NO ADDITIONAL COST TO THE DEPARTMENT.

3. ALL BORROW AND WASTE SITES FOR THIS PROJECT SHALL BE ENVIRONMENTALLY APPROVED PRIOR TO CONSTRUCTION ACTIVITIES OCCURRING IN THEM. ALL COMMON FILL OR EXCESS MATERIAL DISPOSED OUTSIDE THE PROJECT RIGHT OF WAY SHALL BE PLACED IN EITHER A PERMITTED SOLID WASTE FACILITY, A PERMITTED INERT WASTE LANDFILL, OR IN AN ENGINEERED FILL. SEE SECTION 201 OF THE STANDARD SPECIFICATION AND SUPPLEMENTS THERETO FOR ADDITIONAL INFORMATION.

4. THE CONTRACTOR SHALL ENSURE THAT NO CONSTRUCTION RELATED ACTIVITIES (SUCH AS THE USE OF EASEMENTS, STAGING, CONSTRUCTION, VEHICULAR USE, BORROW OR WASTE ACTIVITIES, SEDIMENT BASINS, TRAILER PLACEMENT, ETC.) OCCUR IN THE CRITICAL ROOT ZONE (CRZ) OF EXISTING TREES TO REMAIN IN THE RIGHT OF WAY. THIS DOES NOT APPLY TO TREES WITHIN THE CONSTRUCTION LIMITS OR LIMITS OF DISTURBANCE THAT WILL BE REMOVED OR DESTROYED TO ALLOW FOR CONSTRUCTION.

5. ALL PROPOSED GRATES FOR INLETS NEED TO BE CONSTRUCTED PERPENDICULAR TO FLOW OF BIKE LANE TRAFFIC.

pH	5.9
Resistivity	9999

Project Number: **County: FULTON** **P.I. Number: 0015019**

Pipe Culvert Material Alternates

TYPE OF INSTALLATION			PIPE TYPE: CONCRETE — REINFORCED CONCRETE AASHTO M-170	STEEL — CORRUGATED STEEL ALUMINUM COATED (TYPE 2) AASHTO M-36	STEEL — CORRUGATED STEEL PLAIN ZINC COATED AASHTO M-36	STEEL — POLYMER COATED STEEL AASHTO M-245	ALUMINUM — CORRUGATED ALUMINUM AASHTO M-196	THERMOPLASTIC — CORRUGATED HDPE AASHTO M-252	THERMOPLASTIC — CORRUGATED SMOOTH LINED HDPE TYPE "S" AASHTO M-294	THERMOPLASTIC — CORRUGATED SMOOTH LINED POLYPROPYLENE AASHTO M-330	THERMOPLASTIC — PVC CORRUGATED SMOOTH INTERIOR AASHTO F-949	THERMOPLASTIC — PVC Profile Wall Drain Pipe AASHTO M-304
STORM DRAIN	NON-TRAVEL BEARING (OUTSIDE ROADBED)	INTERSTATE	X									
		NON INTERSTATE	X	X		X	X		X	X	X	X
	TRAVEL BEARING (INSIDE ROADBED) GRADE 10%	ADT < 1,500	X	X		X	X		X	X	X	X
		1,500 < ADT < 5,000	X	X		X	X		X	X	X	X
		5,000 < ADT < 15,000	X						X	X	X	X
		ADT > 15,000 & INTERSTATES	X									
	GRADE > 10%					X			X	X	X	X
SIDE DRAIN			X	X		X	X		X	X	X	X
PERMANENT SLOPE DRAIN				X	X	X	X		X	X	X	X
PERFORATED UNDERDRAIN				X	X		X	X	X	X	X	X

NOTE:

1. Allowable materials are indicated by an 'X'.
2. Structural, installation, fill heightand backfill requirements of storm drain pipe will be in accordance with Georgia Standard 1030-D or 1030-P and the Standard Specifications.
3. The Contractor shall provise additional storm sewer capacity calculations if a pipe material other than concrete is selected.
4. Pipe used under mechanically stabilized earth (MSE) walls, within MSE wall backfill, or within five feet of an MSE wall face shall be Class V Concrete Pipe.

Rev. 1-12-16

6. ALL DRIVEWAYS THAT ARE TO BE RECONSTRUCTED WILL BE PAVED BACK TO THE TIE IN POINT OR REQUIRED RIGHT OF WAY, WHICHEVER IS GREATER. ALL DRIVEWAYS OVER 11% IN GRADE SHALL BE PAVED WITH CONCRETE. ALL OTHER DRIVEWAYS SHALL BE REPLACED AS FOLLOWS: ASPHALT FOR ASPHALT, CONCRETE FOR CONCRETE AND ASPHALT FOR EARTH / GRAVEL DRIVES. RESIDENTIAL DRIVES SHALL BE 14 FEET WIDE AT THE THROAT UNLESS NOTED OTHERWISE IN THE PLANS. COMMERCIAL DRIVES SHALL BE 24 FEET WIDE UNLESS NOTED OTHERWISE IN THE PLANS. EXISTING DRIVEWAY LOCATIONS ARE SHOWN FROM THE BEST AVAILABLE DATA; THE CONTRACTOR SHALL CONSTRUCT DRIVEWAYS TO MATCH THE LOCATION OF EXISTING DRIVEWAYS AT THE TIE IN POINT, IF APPLICABLE. THE CONTRACTOR SHALL OBTAIN THE APPROVAL FROM THE ENGINEER PRIOR TO MAKING ANY REVISIONS TO LOCATION, WIDTH, AND/OR NUMBER OF DRIVES TO BE CONSTRUCTED. DRIVES SHALL BE CONSTRUCTED USING:

RESIDENTIAL:
ASPHALT - 165 LB/SY RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL MATL & H LIME, GRADED AGGREGATE BASE, 6".
CONCRETE - DRIVEWAY CONCRETE, 6 IN THICK,(URBAN SHOULDER) CONC VALLEY GUTTER, 6 IN.

COMMERCIAL:
ASPHALT - 165 LB/SY RECYCLED ASPH CONC 12.5 MM, GP 2 ONLY, INCL POLYMER MODIFIED BITUM MATL & H LIME, 220 LB/SY RECYCLED ASPHALT CONC, 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME, GRADED AGGREGATE BASE, 6".
CONCRETE - DRIVEWAY CONCRETE, 8 IN THICK CONC VALLEY GUTTER, 8 IN.

7. THE COST FOR BLASTING. ROCK EXCAVATION, REMOVAL OF ANY MATERIAL SHALL BE INCLUDED IN THE OVERALL PAY ITEM FOR GRADING COMPLETE. THERE WILL BE NO SEPARATE PAY ESTABLISHED FOR THOSE ITEMS.

8. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH SPECIAL PROVISION 154: VIBRATION MONITORING.

9. THE COST FOR ANY REQUIRED TEMPORARY SHORING SHALL BE INCLUDED IN THE OVERALL BID PRICE FOR GRADING COMPLETE.

10. ALL RAMPS IN THE RADII ARE TO BE CONSTRUCTED OF 8" CONCRETE TO BE PAID FOR UNDER THE 8" SIDEWALK PAY ITEM. (441-0108 CONCRETE SIDEWALK 8 IN.)

11. IF THE ROCK REMOVAL IS WANTED TO BE USED FOR FILL, THE CONTRACTOR SHALL PROVIDE A SOIL SURVEY DESIGNATING THE QUALITY OF ROCK IS ACCEPTABLE.

12. UNDERGROUND VAULT LOCATED AT APPROXIMATE STA 13+90 LT TO REMAIN IN PLACE AND FILLED WITH FLOWABLE FILL.

13. COST TO CLEAN OUT STRUCTURES AND PIPES SHALL BE INCLUDED IN THE OVERALL PRICE OF GRADE COMPLETE

14. ALL TREES WITHIN PROJECT LIMITS THAT CANNOT SURVIVE CONSTRUCTION TO BE DEMO'D. COST TO BE INCLUDED IN THE OVERALL BID PRICE FOR GRADING COMPLETE.

15. EXISTING ASPHALT SHALL BE REMOVED WHEN LESS THAN 2-FT OF EMBANKMENT AND SHOULD BE PULVERIZED TO 4-IN OR LESS WHEN 2-FT OR MORE OF EMBANKMENT. COST SHOULD BE INCLUDED IN THE PRICE OF GRADE COMPLETE.

16. ALL THE FOLLOWING UTILITY OWNERS WERE REPORTED TO HAVE UTILITY FACILITIES WITHIN THE VICINITY OF THIS PROJECT. UTILITIES FOUND WITHIN THE PROJECT'S LIMITS AT THE TIME OF THE SUE LEVEL B INVESTIGATION ARE INDICATED BELOW. THESE UTILITY FACILITIES ARE ALSO SHOWN ON THE PLANS HEREIN.

UTILITY OWNER	SERVICE
SOUTHERN CO. GAS	GAS
GEORGIA POWER COMPANY	ELECTRICAL
CITY OF ATLANTA DEPT OF WATERSHED MANAGEMENT	WATER, SANITARY SEWER
LEVEL 3 COMMUNICATIONS	OTHER
COMCAST	CABLE TV
CROWN CASTLE COMMUNICATION	OTHER

UTILITY OWNER	SERVICE
AT&T	TELEPHONE
MARTA	OTHER
ZAYO FIBER SOLUTIONS	OTHER
VERIZON/MCI	TELEPHONE

17. CITY OF ATLANTA DEPARTMENT OF WATERSHED MANAGEMENT 24-HOUR CONTACT:
KIMBERLY DANIELS
CONSTRUCTION PROJECT MANAGER, DWM
KDANIELS@ATLANTAGA.GOV
(404) 798-7001

18. Information shown as "Constructed by Other Contractors" hereinafter was furnished by others for incorporation into record drawings.
The EOR is not responsible for any errors or omissions in the information furnished by others.
The EOR is not responsible for quality and the accuracy of the work product "Constructed by Other Contractors"

GEORGIA 811 Utilities Protection Center, Inc
Know what's below. Call before you dig.

Jacobs

REVISION DATES		
07-12-2022		
03-20-2023		

GENERAL NOTES
15TH STREET EXTENSION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		04-0001
CORRECTED:		DATE:		
VERIFIED:		DATE:		

GENERAL NOTES - STANDARD SIGNS

1. ALL STANDARD HIGHWAY SIGNS SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE DETAILS SHOWN IN THE PLANS, THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION, AND THE GEORGIA SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS, AND/OR SPECIAL PROVISIONS.

2. SIGN ERECTION STATIONS ARE APPROXIMATE AND MAY BE ADJUSTED TO MEET FIELD CONDITIONS WHERE NECESSARY, BUT SHALL BE WITHIN THE LIMITATIONS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION. NO SIGN LOCATION SHALL BE CHANGED BY THE CONTRACTOR OR BY THE PROJECT ENGINEER WITHOUT PRIOR APPROVAL FROM THE OFFICE OF TRAFFIC OPERATIONS.

3. ALL STANDARD HIGHWAY SIGNS SHALL BE ERECTED AT A HEIGHT OF 7 FEET ABOVE THE NORMAL EDGE OF PAVEMENT TO THE BOTTOM OF THE SIGN OR ASSEMBLY.

4a. HORIZONTAL CLEARANCE FOR STANDARD HIGHWAY SIGNS ON INTERSTATE HIGHWAYS SHALL BE 32 FEET FROM THE NORMAL EDGE OF PAVEMENT TO THE NEARER EDGE OF THE SIGN(S), UNLESS SPECIFIED OTHERWISE IN THE PLANS. HORIZONTAL CLEARANCE FOR STANDARD HIGHWAY SIGNS ON RAMPS SHALL BE 2 FEET FROM THE NORMAL EDGE OF PAVED SHOULDER, OR EDGE OF GRADED SHOULDER WHEN PRESENT.

4b. HORIZONTAL CLEARANCE FOR STANDARD HIGHWAY SIGNS ON ALL OTHER ROADWAYS SHALL BE 6 FEET FROM THE EDGE OF THE PAVED SHOULDER OR 12 FEET FROM THE NORMAL EDGE OF PAVEMENT TO THE NEARER EDGE OF THE SIGN(S), WHICHEVER IS GREATER. THE HORIZONTAL CLEARANCE IN NON-MOUNTABLE CURB SECTIONS SHALL BE AT LEAST 2 FEET FROM THE CURB FACE TO THE NEARER EDGE OF THE SIGN(S).

4c. WHEN GUARDRAIL IS PRESENT OR BEING PROPOSED, SIGNS SHALL BE POSTED AN UNSTIPULATED DISTANCE BEHIND GUARDRAIL.

5. SINGLE PLATE, HORIZONTAL RECTANGULAR SIGNS OVER 48 INCHES IN WIDTH SHALL BE MOUNTED ON TWO POSTS WITH 2 EACH 2 INCH x ½ INCH x (WIDTH OF SIGN) ALUMINUM OR GALVANIZED STEEL STRAPS. THE STRAPS SHALL BE FLUSH WITH THE BACK OF THE SIGN WITH ONE EACH ACROSS THE TOP AND BOTTOM OF THE SIGN. THE CENTERLINE OF EACH POST SHALL BE INSET 1/6TH OF THE SIGN WIDTH FROM THE EDGE OF THE SIGN. SIGN PLATE BOLT HOLES SHALL BE ⅜ INCH DIAMETER, DRILLED OR PUNCHED, AS SHOWN ON THE SIGN PLATE DETAILS.

6. EACH 42 OR 48 INCH WIDE x 18 OR 24 INCH HIGH SIGN REQUIRES ONE 2 INCH x ½ INCH x (WIDTH OF SIGN) ALUMINUM OR GALVANIZED STEEL STRAP LOCATED IN THE CENTER OF THE SIGN AND FLUSH WITH THE BACK OF THE SIGN.

7. SIGN ASSEMBLIES SHALL BE MOUNTED ON ALUMINUM OR GALVANIZED STEEL STRAP FRAMES. FOR DETAILS AND STRAP SPECIFICATIONS REFER TO SIGN ASSEMBLY-TYPICAL FRAMING DETAILS.

8. TYPE 9 (VERY HIGH INTENSITY) REFLECTIVE SHEETING SHALL BE USED FOR ALL STANDARD HIGHWAY SIGNS REQUIRING REFLECTORIZED BACKGROUNDS EXCEPT AS SPECIFIED BELOW OR SPECIFIED OTHERWISE IN THE PLANS. EITHER CLASS 1 OR CLASS 2 ADHESIVE BACKING IS PERMISSIBLE.

9. TYPE 11 (VERY HIGH INTENSITY) REFLECTIVE SHEETING SHALL BE USED FOR ALL RED SERIES SIGNS (R1-1, R1-2, R1-3P, R5-1, R5-1A, R5-1B).

10. TYPE 11 (VERY HIGH INTENSITY) FLUORESCENT YELLOW REFLECTIVE SHEETING SHALL BE USED FOR ALL WARNING SIGNS.

11. TYPE 11 (VERY HIGH INTENSITY) FLUORESCENT YELLOW GREEN REFLECTIVE SHEETING SHALL BE USED FOR SCHOOL ZONE (S1-1, S2-1, S3-1, S4-3, AND THE TOP PORTION OF THE S5-1) SIGNS. ALL REGULATORY SIGNS WITHIN THE SCHOOL ZONE SIGNING SHALL HAVE TYPE 9 (VERY HIGH INTENSITY) REFLECTIVE SHEETING.

12. A ½ INCH MINIMUM AIR SPACE SHALL BE REQUIRED BETWEEN ALL SIGN PLATES WITHIN AN ASSEMBLY.

13. WHERE SIGNS WITHIN AN ASSEMBLY EXTEND BELOW THE STANDARD MOUNTING HOLES ON THE POST(S), ADDITIONAL⅜INCH DIAMETER HOLE(S), DRILLED OR PUNCHED, SHALL BE REQUIRED TO PROPERLY MOUNT THE ASSEMBLY.

14. INTERSTATE SHIELDS SHALL CONTAIN THE WORD GEORGIA. ALL INTERSTATE, U.S., AND GEORGIA SHIELDS REQUIRING ALT, BUS, CONN, LOOP, OR SPUR SHALL USE 4 INCH SERIES "D" LETTERS. REFER TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION, FOR DETAILS.

15. FOR DETAILS OF SPECIAL DESIGN HIGHWAY SIGNS, SEE DETAILS OF MISCELLANEOUS SIGNS.

16. REFER TO PLAN SHEETS FOR LOCATION OF THE DISTRICT ENGINEERS OFFICE TO BE SHOWN ON ALL R552-1 (LIMITED ACCESS) SIGNS IN THIS PROJECT, IF any.

17. THE CONTRACTOR WILL, AS REQUESTED BY THE DISTRICT TRAFFIC OPERATIONS ENGINEER, BE REQUIRED TO REMOVE ANY EXISTING SIGNS THAT ARE DUPLICATED OR ARE CONTRARY TO THESE SIGN PLANS.

Jacobs

REVISION DATES

GENERAL NOTES

15TH STREET EXTENSION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		04-0002
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VERIFIED:		DATE:		

GENERAL NOTES - TRAFFIC SIGNALS

1. THE COMPLETE SIGNAL INSTALLATION SHALL CONFORM TO ALL APPROPRIATE PARTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES CURRENT EDITION.

2. SIGNAL HEADS SHALL BE ERECTED TO PROVIDE AT LEAST 17 FEET BUT NO MORE THAN 19 FEET CLEARANCE FROM BOTTOM OF SIGNAL HEADS TO TOP OF ROAD SURFACE AND A MINIMUM OF 8 FEET MEASURED HORIZONTALLY BETWEEN CENTERS OF SIGNAL FACES.

3. SHIELDED CABLE WILL BE USED FOR DETECTOR RUNS AS SHOWN ON THE DETAIL SHEET. DETECTORS SHALL HAVE SEPARATE LEAD-INS TO THE CONTROL CABINET.

4. THE CONTRACTOR SHALL LOCATE UNDERGROUND UTILITIES IN VICINITY OF NEW TRAFFIC SIGNAL POLES PRIOR TO ORDERING. AT THE DISCRETION OF THE ENGINEER, MINOR SHIFTS, (UP TO A MAXIMUM OF 5 FEET), IN LOCATION OF NEW SIGNAL POLES, ARE ACCEPTABLE TO AVOID UNDERGROUND UTILITIES. MINIMUM CLEARANCES FROM EDGE OF PAVEMENT SHALL BE MAINTAINED. PLACEMENT OF THE SIGNAL HEADS SHALL BE RETAINED AS SHOWN ON THE PLANS. THE CONTRACTOR SHALL COORDINATE WITH THE OFFICE OF UTILITIES FOR ALL "MAKE READY" WORK.

5. THE CONTRACTOR SHALL MAINTAIN EXISTING TRAFFIC SIGNALS DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC SIGNAL AND/OR CONTROL SYSTEM ADJUSTMENTS, INCLUDING TEMPORARY SUPPORT POLE LOCATIONS(S) REQUIRED BY THE PROJECT DURING THE INTERIM PERIOD THROUGH INSTALLATION OF NEW SIGNAL EQUIPMENT. AT NO TIME SHALL THE CONTRACTOR CAUSE ANY PART OF THE SIGNAL OPERATION TO BE INOPERABLE.

6. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL NEW GUYS ON EXISTING UTILITY TIMBER POLES WHEN ATTACHING SPAN WIRE OR INTERCONNECT CABLE TO THE POLES UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

7. INSTALLATION IS TO BE CHECKED AND ACCEPTED BY THE DISTRICT TRAFFIC ENGINEER PRIOR TO FINAL ACCEPTANCE.

8. WHEN REMOVED, EXISTING EQUIPMENT SHALL BE DELIVERED AND UNLOADED BY THE CONTRACTOR TO THE DEPARTMENT OF TRANSPORTATION, OFFICE OF TRAFFIC OPERATIONS, DISTRICT SIGNAL SHOP. CONTACT THE DISTRICT SIGNAL ENGINEER AT (770) 216-3881. THE ADDRESS FOR THE SIGNAL SHOP IS 320 CHESTER AVE, ATLANTA, GA 30316.
ALLOW FOR A 48-HOUR ADVANCE NOTICE PRIOR TO DELIVERY.

9. FOR STRAIN POLE FOUNDATION SIZE AND REINFORCEMENT, SEE STRAIN POLE AND MAST ARM POLE FOUNDATION SHEET.

10. MATERIAL CERTIFICATION IS REQUIRED PRIOR TO BEGINNING ANY SIGNAL INSTALLATION WORK. THE CONTRACTOR SHALL FOLLOW PROCEDURES OUTLINED IN THE DOT SPECIFICATION.

11. THE INSTALLATIONS SHALL BE CAPABLE OF MONITORING OVER ETHERNET NETWORKS FROM EXISTING CELLULAR ROUTERS, PROVIDED BY GDOT, OR VIA FIBER, PER THE DISTRICT SIGNAL ENGINEER. DEMONSTRATION OF NETWORK CAPABILITIES ON GDOT NETWORK IS REQUIRED BY THE CONTRACTOR, NOTED PRIOR TO FINAL ACCEPTANCE.

12. ALL EXISTING STOP BARS, WORDS, ARROWS AND CROSSWALKS THAT ARE NOT REMOVED OR RELOCATED SHALL BE REPLACED IN ACCORDANCE WITH CURRENT GDOT STANDARDS.

13. PROPOSED SIGNAL SUPPORT WIRE ATTACHMENT HEIGHTS ON POLES ARE PROVIDED AS GENERAL GUIDELINES TO INSTALLER, ACTUAL ATTACHMENT HEIGHTS SHALL BE FIELD DETERMINED BY INSTALLER TO PROVIDE REQUIRED SIGNAL HEAD MOUNTING HEIGHTS AND CLEARANCE FROM EXISTING UTILITIES.

14. SAWCUTS AND REMOVAL OF ALL CONCRETE ASSOCIATED WITH CURB CUT RAMPS SHALL BE INCLUDED IN THE SIDEWALK PAY ITEM.

15. THE CONTRACTOR SHALL REPLACE IN KIND AND SIZE, AT NO SEPARATE EXPENSE TO THE DEPARTMENT, ANY BARRIER WALL, FENCE, DITCH PAVING, CURBING, SIDEWALK, GUTTER, SLOPE PAVEMENT, SIGNS, GUARDRAILS, LANDSCAPING, GRASSINGS, UTILITY SERVICE LINES, STORM DRAIN PIPES, MASONRY WALLS AND PAVING THAT IS REMOVED, DAMAGED OR DESTROYED, DUE TO CONTRACTOR'S ACTIVITY.

16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EROSION CONTROL MEASURES TO ENSURE COMPLIANCE TO ALL STATE AND FEDERAL LAWS AND GUIDELINES. THE COST SHALL BE CONSIDERED INCIDENTAL AND BE INCLUDED IN THE OVERALL BID PRICE. NO ADDITIONAL PAYMENTS SHALL BE MADE TO THE CONTRACTOR FOR EROSION CONTROL.

17. ALL TRAFFIC MARKING, SYMBOLS OR STRIPING TO BE REMOVED AND/OR REPLACED SHALL BE PAID FOR IN THE TRAFFIC CONTROL LUMP SUM ITEM.

18. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL FEES ASSOCIATED WITH MODIFYING EXISTING AND ESTABLISHING NEW POWER AND COMMUNICATIONS SERVICES FOR TRAFFIC SIGNAL, VIDEO DETECTION SYSTEMS AND/OR CCTV CAMERAS ON THIS PROJECT. IF A UTILITY TRANSFORMER IS REQUIRED FOR TRAFFIC SIGNAL EQUIPMENT, IT IS THE RESPONSIBLITY OF THE CONTRACTOR TO INCLUDE AS PART OF THEIR BID PRICE, FOR THAT TRAFFIC SIGNAL INSTALLATION IF THE RESPECTIVE UTILITY REQUIRES PAYMENT FOR INSTALLATION.

19. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL MONTHLY POWER AND COMMUNICATION SERVICE TO THE TRAFFIC SIGNAL INSTALLATION AND SUPPORT DEVICES, UNTIL THE NEW TRAFFIC SIGNAL INSTALLATION HAS SATISFACTORILY COMPLETED A TEST PERIOD OF UNINTERRUPTED OPERATION, FOR 30 DAYS. UPON COMPLETION OF THE TEST PERIOD, THE CONTRACTOR WILL COMPLETE A TRANSFER OF UTILITY COST TO THE GEORGIA DEPARTMENT OF TRANSPORTATION.

20. THE CONTRACTOR SHALL MAINTAIN EXISTING DETECTION THROUGHOUT THE DURATION OF THE PROJECT. EXISTING LOOPS THAT ARE REMOVED OR DESTROYED AS PART OF A CONSTRUCTION, REHABILITATION, OR MAINTENANCE PROJECT SHALL BE REPLACED AND RETURNED TO FULL OPERATION WITHIN THE FOLLOWING TIME FRAMES, BASED ON THE FOLLOWING ROUTE PRIORITIZATION RATING:

21. ALL MASTARMS SHALL BE SWING AWAY TRUSS AND PAINTED "CODA GREEN".

STATE ROUTE PRIORITIZATION RATING	LEFT-TURN DETECTION	MAINLINE / SIDE-STREET PRESENCE DETECTION	SET-BACK DETECTION
CRITICAL / HIGH	5 DAYS	5 DAYS	28 DAYS
MEDIUM	14 DAYS	14 DAYS	28 DAYS
LOW	28 DAYS	28 DAYS	28 DAYS

IF NOT FEASIBLE, OTHER FORMS OF DETECTION, SUCH AS RADAR OR VIDEO, MAY TEMPORARILY BE USED (WITHIN THE SAME TIME FRAMES), WITH GDOT APPROVAL. THE OFFICE OF TRANSPORTATION DATA WILL PROVIDE THE PRIORITIZATION RATING OF THE STATE ROUTE. ALL COSTS ASSOCIATED WITH THE REPLACEMENT OF THE LOOPS DAMAGED DURING CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

Jacobs

REVISION DATES

GENERAL NOTES
15TH STREET EXTENSION

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ENVIRONMENTAL RESOURCE IMPACT TABLE

RESOURCE NAME (from Section A of ECT)	LOCATION BEGINNING STA	LOCATION ENDING STA	SIDE	PERMITTED CONSTRUCTION ACTIVITY (from Section A of ECT)	SPECIAL PROVISION? (from Section B of the ECT)	COMMENTS (from Section C of the ECT, comments only)
MID-CENTURY OFFICES	10+34	13+14	RT	NO ACTIVITY	N/A	

404 Permits and Variances (from Section D of the ECT)	Expiration dates (if applicable). Contact GDOT TIA office 6 months prior to expiration. If work will extend beyond this date.
NOTICE OF INTENT (NOI) FOR NPDES	THE CONSTRUCTION CONTRACTOR WILL SUBMIT A NOI TO NPDES GENERAL PERMIT FOLLOWING AWARD OF THE CONTRACT BUT PRIOR TO CONSTRUCTION ACTIVITES.

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REVISION DATES

GENERAL NOTES

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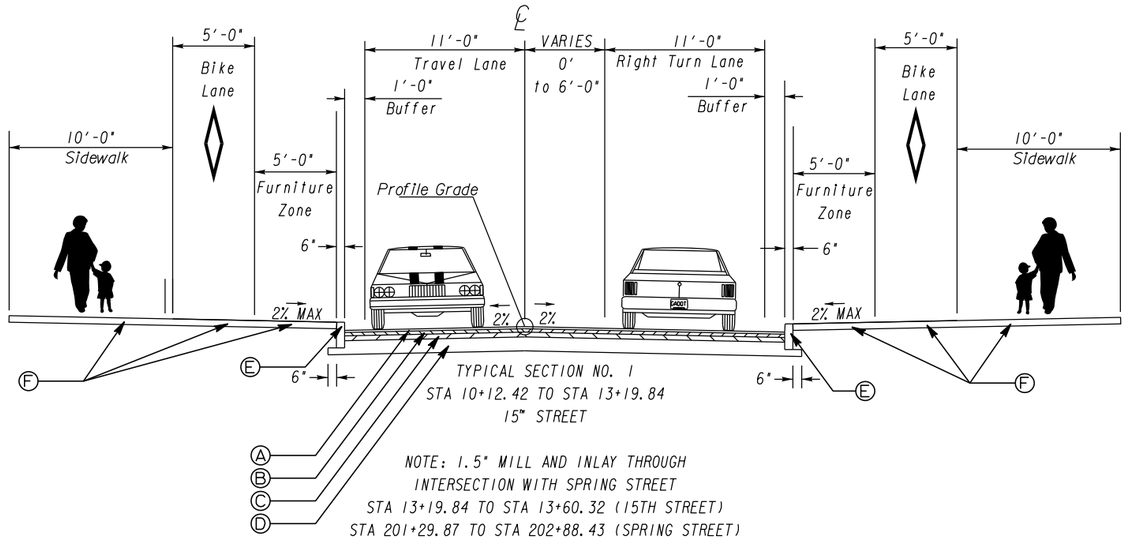
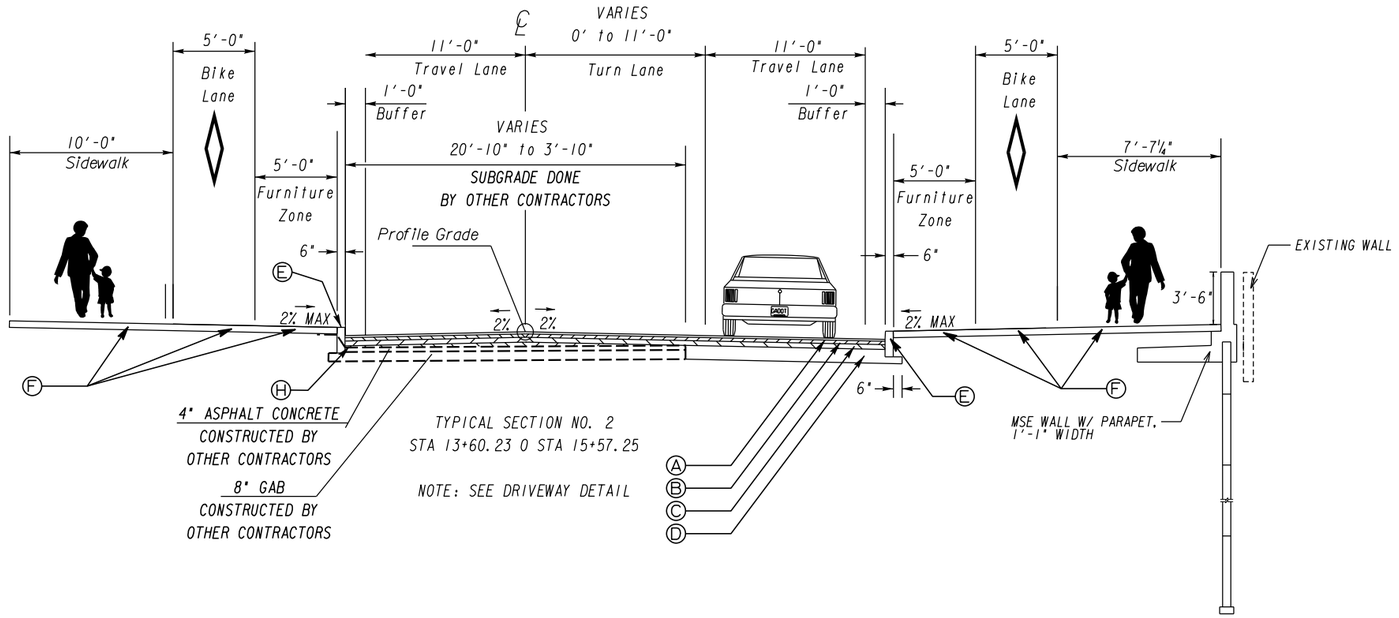
Ⓐ RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY,
INCL BITUM MATL & H LIME -- 165 LB/SY
Ⓑ RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2,
INCL BITUM MATL & H LIME -- 220 LB/SY
Ⓒ RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2,
INCL BITUM MATL & H LIME -- 440 LB/SY
Ⓓ GRADED AGGREGATE BASE, 12"
Ⓔ STRAIGHT GRANITE CURB, 5 IN X 17 IN, TP A
(FOR TANGENT SECTIONS)
CIRCULAR GRANITE CURB, 5 IN X 17 IN, TP A
(FOR CIRCULAR SECTIONS)
Ⓕ SIDEWALK, 4"
Ⓖ MILL ASPH CONC PVMT, 1 1/2 IN DEPTH
ⒽRECYCLED ASPH CONC. LEVELING
ⒾRECYCLED ASPH CONC. PATCHING

NOTES
1. SEE PLAN SHEETS FOR SE RATES.
2. SEE PLAN SHEETS FOR LOCATION OF TREES AND LIGHTING WITHIN FURNITURE ZONE.
3. SEE PLAN SHEETS FOR LOCATION OF BIKE LANE TRANSITIONS.



TYPICAL SECTION NO. 1
STA 10+12.42 TO STA 13+19.84
15" STREET

NOTE: 1.5" MILL AND INLAY THROUGH
INTERSECTION WITH SPRING STREET
STA 13+19.84 TO STA 13+60.32 (15TH STREET)
STA 201+29.87 TO STA 202+88.43 (SPRING STREET)



TYPICAL SECTION NO. 2
STA 13+60.23 0 STA 15+57.25

NOTE: SEE DRIVEWAY DETAIL

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REVISION DATES
03/20/2023

TYPICAL SECTIONS
15TH STREET EXTENSION

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VERIFIED:		DATE:		

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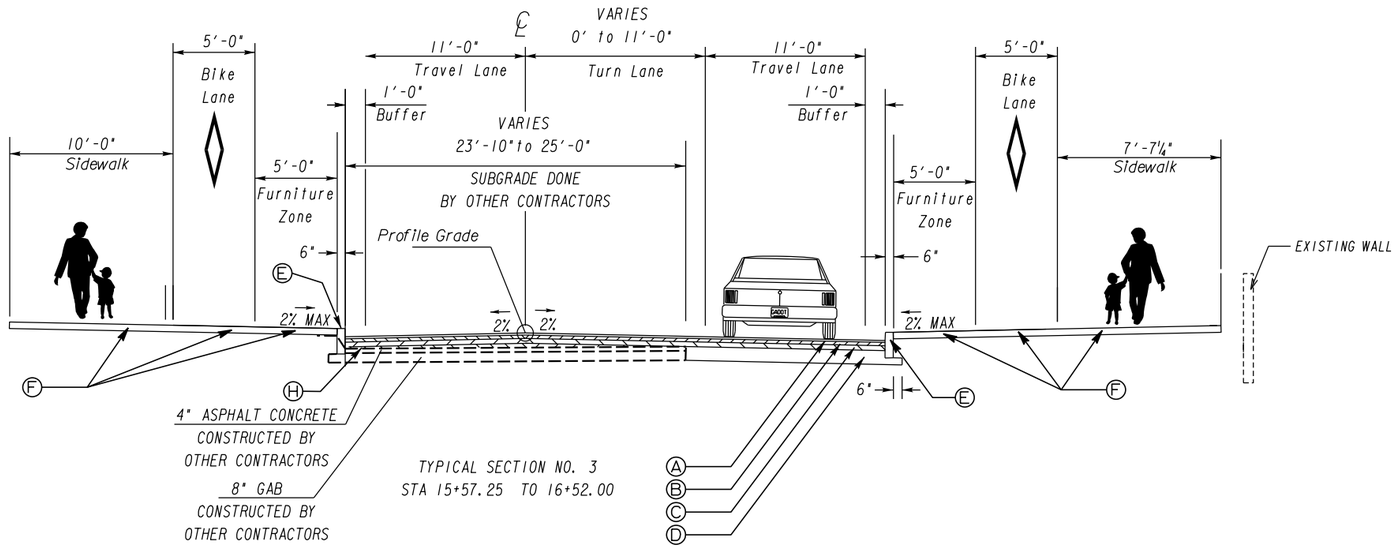
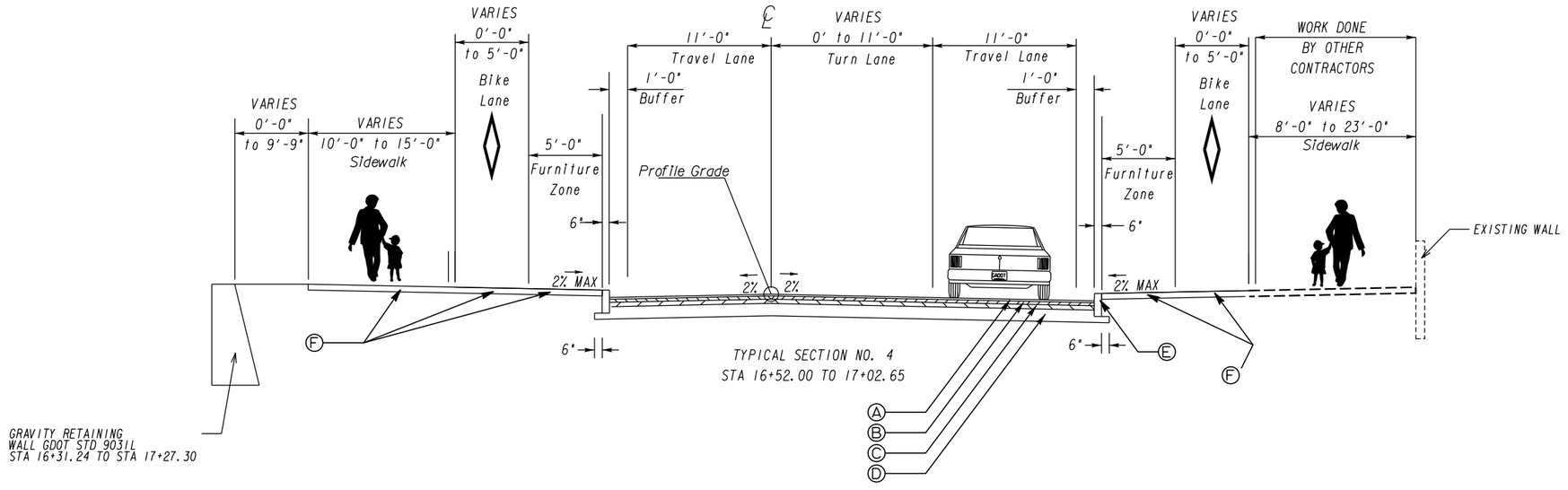
Ⓒ RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME -- 440 LB/SY
Ⓓ GRADED AGGREGATE BASE, 12"
Ⓔ STRAIGHT GRANITE CURB, 5 IN X 17 IN, TP A (FOR TANGENT SECTIONS)
CIRCULAR GRANITE CURB, 5 IN X 17 IN, TP A (FOR CIRCULAR SECTIONS)
Ⓕ SIDEWALK, 4"
Ⓖ MILL ASPH CONC PVMT, 1 1/2 IN DEPTH
Ⓗ RECYCLED ASPH CONC. LEVELING
Ⓘ RECYCLED ASPH CONC. PATCHING

NOTES
1. SEE PLAN SHEETS FOR SE RATES.
2. SEE PLAN SHEETS FOR LOCATION OF TREES AND LIGHTING WITHIN FURNITURE ZONE.
3. SEE PLAN SHEETS FOR LOCATION OF BIKE LANE TRANSITIONS.





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REVISION DATES
03/20/2023

TYPICAL SECTIONS
15TH STREET EXTENSION

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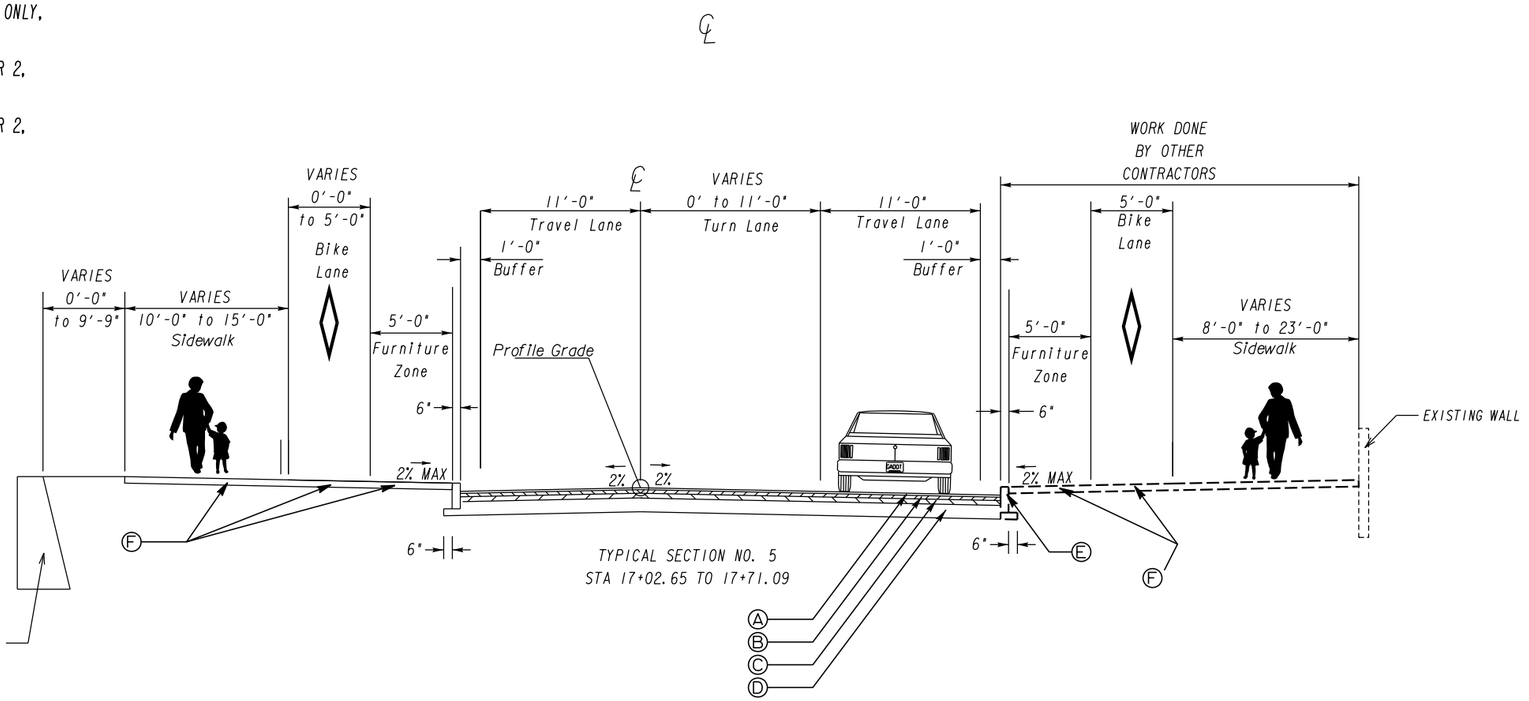
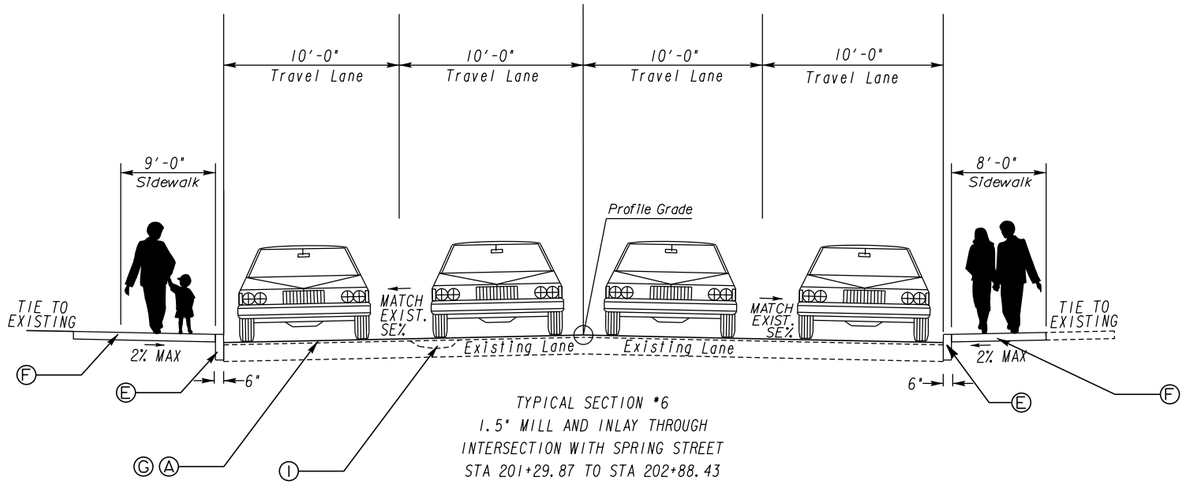
Ⓐ RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME -- 165 LB/SY
Ⓑ RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME -- 220 LB/SY
Ⓒ RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME -- 440 LB/SY
Ⓓ GRADED AGGREGATE BASE, 12"
Ⓔ STRAIGHT GRANITE CURB, 5 IN X 17 IN, TP A (FOR TANGENT SECTIONS)
CIRCULAR GRANITE CURB, 5 IN X 17 IN, TP A (FOR CIRCULAR SECTIONS)
Ⓕ SIDEWALK, 4"
Ⓖ MILL ASPH CONC PVMT, 1 1/2 IN DEPTH
Ⓗ RECYCLED ASPH CONC. LEVELING
Ⓘ RECYCLED ASPH CONC. PATCHING

NOTES
1. SEE PLAN SHEETS FOR SE RATES.
2. SEE PLAN SHEETS FOR LOCATION OF TREES AND LIGHTING WITHIN FURNITURE ZONE.
3. SEE PLAN SHEETS FOR LOCATION OF BIKE LANE TRANSITIONS.



TYPICAL SECTION NO. 5
STA 17+02.65 TO 17+71.09



TYPICAL SECTION #6
1.5" MILL AND INLAY THROUGH INTERSECTION WITH SPRING STREET
STA 201+29.87 TO STA 202+88.43

SEE PLANS FOR LIMTS OF MILL AND INLAY

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REVISION DATES		
03/20/2023		

TYPICAL SECTIONS
15TH STREET EXTENSION

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INCL BITUM MATL & H LIME -- 165 LB/SY
Ⓑ RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2,
INCL BITUM MATL & H LIME -- 220 LB/SY
Ⓒ RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2,
INCL BITUM MATL & H LIME -- 440 LB/SY
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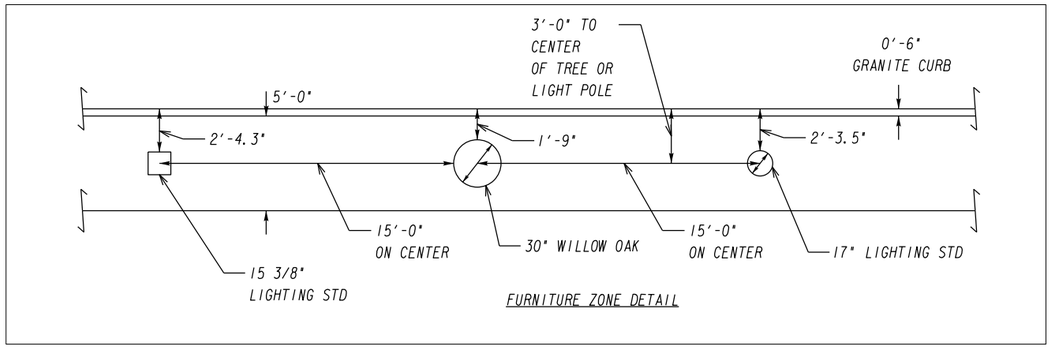
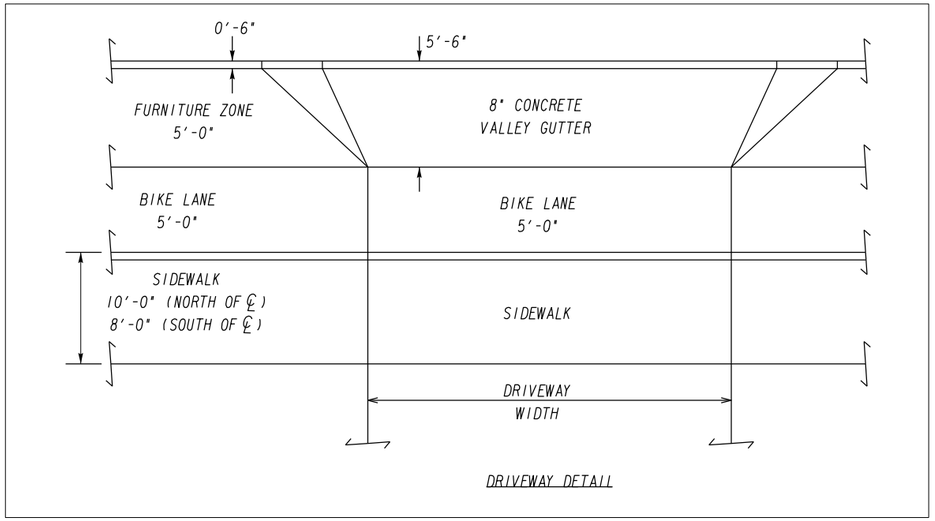
(FOR TANGENT SECTIONS)
CIRCULAR GRANITE CURB, 5 IN X 17 IN, TP A
(FOR CIRCULAR SECTIONS)
Ⓕ SIDEWALK, 4"
Ⓖ MILL ASPH CONC PVMT, 1 1/2 IN DEPTH

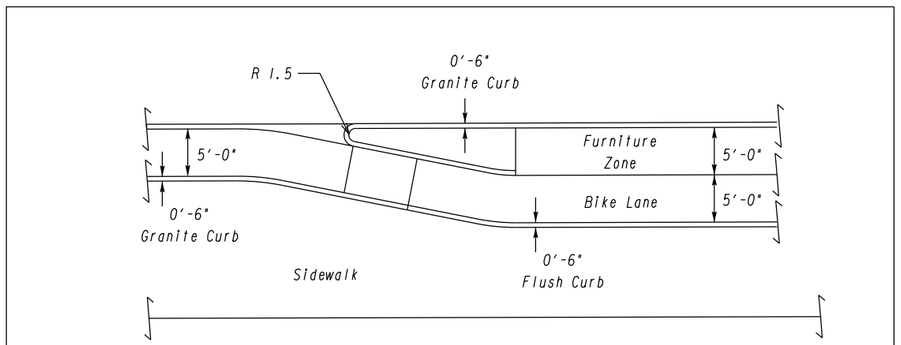
NOTES
1. SEE PLAN SHEETS FOR SE RATES.
2. SEE PLAN SHEETS FOR LOCATION OF TREES AND LIGHTING WITHIN FURNITURE ZONE.
3. SEE PLAN SHEETS FOR LOCATION OF BIKE LANE TRANSITIONS.



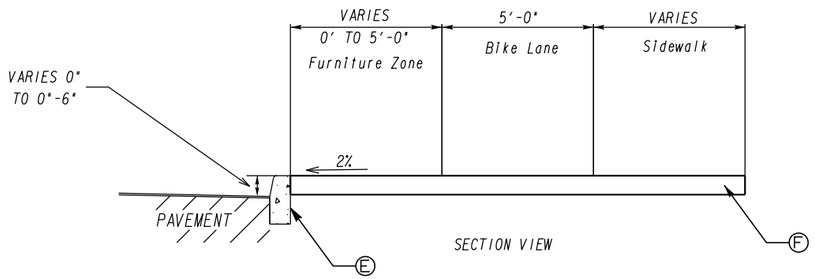
FURNITURE ZONE DETAIL



DRIVEWAY DETAIL



TOP VIEW



SECTION VIEW

*BIKE RAMP NOT TO EXCEED 1:12 SLOPE

BIKE LANE INTERSECTION TRANSITION DETAIL

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REVISION DATES		

TYPICAL SECTIONS
15TH STREET EXTENSION

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SUMMARY OF QUANTITIES

210-0100 *	167-1500	150-1000	643-8300	167-1000	643-8200
GRADING COMPLETE - PI 0015019	WATER QUALITY INSPECTIONS	TRAFFIC CONTROL - PI 0015019	ORNAMENTAL FENCE	WATER QUALITY MONITORING AND SAMPLING	BARRIER FENCE (ORANGE), 4 FT
LS	24 MO	LS	508 LF	4 EA	125 LF

* NOTE

THE COST FOR BLASTING, ROCK EXCAVATION, REMOVAL OF ANY MATERIAL SHALL BE INCLUDED IN THE OVERAL PAY ITEM FOR GRADING COMPLETE. THERE WILL BE NO SEPARATE PAY ESTABLISHED FOR THOSE ITEMS.

154-1000	600-0001
CONSTRUCTION VIBRATION MONITORING	FLOWABLE FILL
LS	80 CY

150-5010	620-0100
TRAF CTRL, PORTABLE IMPACT ATTN	TEMPORARY BARRIER, METHOD NO. 1
5 EA	460 LF

SUMMARY OF SURFACING QUANTITIES

LOCATION	402-1802 RECYCLED ASPH CONC PATCHING INCL POLYMER-MODIFIED BITUM MATL & H LIME (TN)	402-3130 RECYCLED ASPH CONC, 12.5 mm SUPERPAVE, GP 2 ONLY, INCL POLYMER-MODIFIED BITUM MATL & H LIME (TN)	402-3190 RECYCLED ASPH CONC, 19 mm SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME (TN)	402-3121 RECYCLED ASPH CONC, 25 mm SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME (TN)	413-0750 TACK COAT (GL)	432-5010 MILL ASPH CONC PVMT, VARIABLE DEPTH (SY)	310-1101 GR AGGR BASE CRS, INCL MATL (TON)	402-3100 RECYCLED ASPH CONC, LEVELING, INCL BITUM MATL & H LIME (TON)
15TH STREET	2	266	306	614	643	800	1565	8
AS DIRECTED BY ENGINEER		4	4	6	57		5	
TOTAL:	2	270	310	620	700	800	1570	8

SUMMARY OF CURB & GUTTER AND SIDEWALK QUANTITIES

LOCATION	441-6222 CONC CURB & GUTTER, 8 IN X 30 IN, TP 2 (LF)	437-1571 STRAIGHT GRANITE CURB, 5 IN X 17 IN, TP A (LF)	437-2571 CIRCULAR GRANITE CURB, 5 IN X 17 IN, TP A (LF)	441-0104 CONC SIDEWALK, 4 IN (SY)	441-0108 CONC SIDEWALK, 8 IN (SY)	444-1000 SAWED JOINTS IN EXIST. PAVEMENT PCC (LF)
15TH STREET	95	1134	338	1958	37	177
AS DIRECTED BY ENGINEER	5	14	7	7	3	13
TOTAL:	100	1148	345	1965	40	190

SUMMARY OF DRIVEWAY QUANTITIES

LOCATION / DESCRIPTION		441-0018 DRIVEWAY CONCRETE, 8 IN TK (SY)
DW 1		62
DW 2		20
AS DIRECTED:		3
TOTAL		85

WALL QUANTITIES

	500-3201 CLASS B CONCRETE, RETAINING WALL (CY)	207-0203 FOUND BKFILL MATL, TP 11 (CY)	627-1000 MSE WALL FACE, 0-10 FT HT (SF)	627-1010 MSE WALL FACE, 10-20 FT HT (SF)	627-1120 COPING B (LF)
WALL 1		617	580	419	119
WALL 3	39				
TOTAL:	39	617	580	419	119

SUMMARY OF SIGNING QUANTITIES

LOCATION	CODE	636-1033 HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 9 TYPE 1 SIZE	QTY	SF	636-1036 HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 11 TYPE 1 SIZE	QTY	SF	636-2070 GALV STEEL POSTS, TP 7 TYP7 (2" 14 GA) LF	QTY	LF
15TH STREET										
10+71 RT	R9-7L	12"X18"	1	1.5				11.50	1	11.50
11+12 LT	R3-17	24"X18"	1	3.00				12.17	1	12.17
	R3-17BP	24"X8"	1	1.33						
11+14 RT	R2-1	24"X30"	1	5.00				12.50	1	12.50
12+82 LT	R9-7L	12"X18"	1	1.5				11.50	1	11.50
13+08 LT	R6-2L	24"X30"	1	5.00						
13+71 RT	R6-2R	24"X30"	1	5.00						
13+68 LT	R3-2	30"X30"	1	6.25				12.50	1	12.50
13+99 RT	R9-7L	12"X18"	1	1.5				11.50	1	11.50
14+39 LT	SPCL 1	24"X30"	1	5.00				12.50	1	12.50
16+50 LT	R2-1	24"X30"	1	5.00				12.50	1	12.50
16+89 RT	R3-17	24"X18"	1	3.00				12.17	1	12.17
	R3-17BP	24"X8"	1	1.33						
17+36 LT	R9-7L	12"X18"	1	1.5				11.50	1	11.50
18+41 LT	R6-2L	24"X30"	1	5.00						
18+51 LT	R10-11A	24"X30"	1	5.00				12.50	1	12.50
18+73 RT	R4-11	30"X30"	1	6.25				12.50	1	12.50
18+91 LT	R3-17	24"X18"	1	3.00				12.17	1	12.17
	R3-17AP	24"X8"	1	1.33						
WILLIAMS STREET										
100+81 LT	R5-1A				42"X30"	1	8.75	12.50	1	12.50
101+17 RT	R5-1				36"X36"	1	9.00	13.00	1	13.00
101+44 LT	R5-1				36"X36"	1	9.00	13.00	1	13.00
102+01 LT	R6-2R	24"X30"	1	5.00				12.50	1	12.50
SPRING STREET										
202+70 RT	R5-1				36"X36"	1	9.00	12.50	1	12.50
202+70 LT	R5-1				36"X36"	1	9.00	12.50	1	12.50
WEST PEACHTREE STREET										
301+60 RT	R5-1				30"X30"	1	6.25	12.50	1	12.50
301+94 LT	R6-2R	24"X30"	1	5.00				12.50	1	12.50
	R4-11	30"X30"	1	6.25						
302+66 LT	R6-2R	24"X30"	1	5.00				12.50	1	12.50
302+92 RT	R6-2L	24"X30"	1	5.00				12.50	1	12.50
AS DIRECTED BY ENGINEER:				3.75			4.00			6.50
TOTAL:				105.00			55.00			302.50

Jacobs

REVISION DATES
08/24/2022
09/09/2022
03/20/2023

SUMMARY QUANTITIES

15TH STREET EXTENSION

CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	06-0001
VERIFIED:		DATE:	

SUMMARY OF QUANTITIES

SUMMARY OF STRIPING QUANTITIES

	659-5013	653-0120	653-0210	659-7015	653-1501	653-1502	653-1704	653-1804	653-3501	653-6006	654-1003	652-9000	654-1001
	HOT APPLIED PREFORMED PLASTIC PVMT MKG, WORDS AND/OR SYMBOLS, WHITE, TP P	THERM PVMT MARK, ARROW, TP 2	THERM PVMT MARK, WORD, TP 1	HOT APPLIED PREFORMED PLASTIC PVMT MKG, BIKE LANE MARKING, TP P	THERMO SOLID TRAF ST, 5 IN WH	THERMO SOLID TRAF ST, 5 IN YEL	THERM SOLID TRAF STRIPE, 24, WH	THERM SOLID TRAF STRIPE, 8, WH	THERMO SKIP TRAF ST, 5 IN WHI	THERM TRAF STRIPING, YELLOW	RAISED PVMT MARKERS TP 3	TRAFFIC STRIPE, GREEN	RAISED PVMT MARKERS TP 1
SHEET	EA	EA	EA	EA	LF	LF	LF	LF	GLF	SY	EA	SY	EA
SHEET 26-0001	6	5	2	7	1683	464	124	831	228	47	20	105	22
SHEET 26-0002	5	4	1	6	1198	696	95	395	144	0	20	67	14
AS DIRECTED BY ENGINEER:	0	0	0	0	19	40	1	74	8	3	0	28	0
TOTAL:	11	9	3	13	2900	1200	220	1300	380	50	40	200	36

SUMMARY OF DRAINAGE QUANTITIES

		550-5180	668-1105	668-1115	668-2100	668-4300	668-5000	611-3000
STR. NO.	LOCATION	STORM DRAIN PIPE 18 INCH H-1-10	CATCH BASIN, GP 1 SPCL DES	CATCH BASIN, GP1 SPCL DES ADDTL. DEPTH	DROP INLET, GP 1	STORM SEWER MANHOLE, TP 1	JUNCTION BOX	RECONSTRUCT CATCH BASIN, GP 1
		LF	EA	LF	EA	EA	EA	EA
	15TH STREET							
A-1	10+17.38 LT	0	0	0	0	1	0	0
A-2	10+81+90 RT	61	1	0.82	0	0	0	0
A-3	10+89.19 LT	25	1	0.77	0	0	0	0
A-4	11+91.21 RT	111	1	0.82	0	0	1	0
C-1	13+72.59 LT	0	0	0	0	0	0	0
C-2	14+14.90 LT	35	0	0	0	0	0	1
C-3	15+16.91 LT	0	0	0	0	0	0	1
C-4	15+95.15 LT	0	0	0	0	0	0	1
C-5	17+08.03 LT	109	1	0.41	0	0	1	0
C-6	14+14.64 RT	40	1		0	0	0	0
C-7	14+68.98 RT	50	1	0.97	0	0	0	0
C-9	13+62.91 LT	8	0	0	2	0	0	0
C-10	13+66.68 LT	48	0	0	2	0	0	0
	SPRING STREET/ SR 950							
B-1	202+60.08 LT	0	0	0	0	0	0	0
B-2	201+40.89 LT	115	1	0	0	0	0	0
	AS DIRECTED BY ENGINEER:	8	0	0	0	0	0	0
	TOTAL:	510	7	3.79	4	1	1	3

ITEM NO.	ITEM DESCRIPTION	EA UNITS	QUANTITY
681-3600	COA - TYPE C POLE FOUNDATION	EA	15
681-3600	COA - TYPE CH POLE FOUNDATION	EA	9
682-9950	DIRECTIONAL BORE - 1 1/2 IN	LF	70
682-9950	DIRECTIONAL BORE - 5 IN	LF	350
682-9021	ELECTRICAL JUNCTION BOX, CONC GROUND MOUNTED	EA	36
682-6219	CONDUIT, NONMETL, TP-2, 1 IN	LF	50
692-6221	CONDUIT, NONMETL, TP-2, 1 1/2 IN	LF	350
682-6222	CONDUIT, NONMETL, TP 2, 2 IN	LF	3,100
682-6223	CONDUIT, NONMETL, TP 2, 3 IN	LF	70
682-6232	CONDUIT, NONMETL, TP3, 1 1/2 IN	LF	80
682-6233	CONDUIT, NONMETL, TP 3, 2 IN	LF	800
682-8995	POWER SERVICE CABINET	EA	1
682-1405	CABLE, TP XHHW, AWG NO 8 COPPER	LF	30
682-1406	CABLE, TP XHHW, AWG NO 6 COPPER	LF	250
682-1407	CABLE, TP XHHW, AWG NO 4 COPPER	LF	80
682-1413	CABLE, TP XHHW, AWG NO 1/0 COPPER	LF	525
682-1414	CABLE, TP XHHW, AWG NO 3/0 COPPER	LF	1,050
680-7000	REMOVAL OF EXISTING COA FIXTURES/POLES/BASES - RETRUN FIXTURES/POLES TO OWNER	EA	3

ITS

	647-2141	682-6222	682-6233	935-1117	935-1512	935-3102	935-3402	935-4010	935-8000	939-2300	939-2237	939-5010
	PULLBOX, PB 4S	CONDUIT, NM, TP 2, 2 IN	CONDUIT, NM, TP 3, 2 IN	OSP FIBER OPTIC CABLE, LOOSE TUBE, SINGLE MODE, 96 FIBER	OSP FIBER OPTIC CABLE, DROP, SINGLE MODE, 12 FIBER	FIBER OPTIC CLOSURE, UNDERGROUND, 12 FIBER	FIBER OPTIC CLOSURE, FDC (RACK MOUNTED), 12 FIBER	FIBER OPTIC SPLICE, FUSION	TESTING	FIELD SWITCH, TYPE A	GBIC, LX, TYPE D (SFP)	ELECTRICAL POWER SERVICE ASSEMBLY, AERIAL SERVICE POINT
	EA	LF	LF	LF	LF	EA	EA	EA	LS	EA	EA	EA
TOTAL:	2	300	1860	1675	110	2	2	14	1	2	7	2

Jacobs

REVISION DATES		
03/20/2023		

SUMMARY QUANTITIES

15TH STREET EXTENSION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		06-0002
CORRECTED:		DATE:		
VERIFIED:		DATE:		

SUMMARY OF QUANTITIES

UTILITY RELOCATIONS

	500-3101	611-8050	611-8120	611-8010	611-8140	670-1060	670-5620	670-9920	670-9710
	CLASS A CONCRETE FOR THRUST BLOCKS	ADJUST MANHOLE TO GRADE	ADJUST WATER METER BOX TO GRADE	ADJUST HYDRANT TO GRADE	ADJUST WATER VALVE BOX TO GRADE	WATER MAIN, 6 IN, DIP	WATER SERVICE LINE, ¾ IN, COPPER, TYPE K	REMOVE EXISTING FIRE HYDRANT	RELOCATE EXISTING FIRE HYDRANT
	CY	EA	EA	EA	EA	LF	LF	EA	EA
TOTAL:	1	2	1	2	3	60	25	1	1

TEMPORARY EROSION CONTROL

	163-0232	163-0550	165-0105	165-0030	163-0301	165-0101	163-0310	165-0310	171-0030	163-0240
	TEMPORARY GRASSING	CONSTRUCT AND REMOVE INLET SEDIMENT TRAP	MAINTENANCE OF INLET SEDIMENT TRAP	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	CONSTRUCT AND REMOVE CONSTRUCTION EXITS	MAINTENANCE OF CONSTRUCTION EXIT	CONSTRUCTION EXIT TIRE CLEANING STATION	MAINTENANCE OF CONSTRUCTION EXIT TIRE WASH AREA	TEMPORARY SILT FENCE, TYPE C	MULCH
	AC	EA	EA	LF	EA	EA	EA	EA	LF	TN
TOTAL:	1	23	23	1663	4	4	4	4	3325	20

PERMANENT EROSION CONTROL

	700-6910	700-7000	700-8000	700-8100	700-9300
	PERMANENT GRASSING	AGRICULTURAL LIME	FERTILIZER MIXED GRADE	FERTILIZER NITROGEN CONTENT	SOD
	AC	TN	TN	LBS	SY
TOTAL:	0.3	0.1	0.2	15	50

LANDSCAPING

	702-0905	702-0570	702-9025	708-1000	754-4000	754-6000	900-0037	222-2001	573-1006	576-1012	668-7024
	QUERCUS PHELLOS - 25 GAL	LIRIOPE SPICATA - FLAT	LANDSCAPE MULCH	PLANT TOPSOIL	WASTE RECEPTACLE UNIT	BICYCLE RACK	CONCRETE PAVERS	AGGR DRAINAGE COURSE, TP1	UNDDR PIPE ONLY, 6 IN	SLOPE DRAIN PIPE, 12 IN	DRAIN INLET 24-IN (GA STD 1035)
	EA	EA	SY	CY	EA	EA	SF	CY	LF	LF	EA
TOTAL:	33	2380	225	225	8	8	392	62	2080	65	1

SUMMARY OF SIGNAL QUANTITIES

ITEM NO.	ITEM DESCRIPTION	UNITS	QUANTITY
610-6872	REM STEEL STRAIN POLE	EA	2
610-9001	REM SIGN	EA	1
636-1041	HWY SIGNS, TP2MAT, REFL SH TP 9	SF	89
639-3014	STEEL STRAIN POLE, TP IV 25' AND 35' TANDEM MAST ARMS, INCL LUMINAIRE ARM	EA	1
639-3014	STEEL STRAIN POLE, TP IV 35' MAST ARM, INCL LUMINAIRE ARM	EA	1
639-3014	STEEL STRAIN POLE, TP IV 25' AND 45' TANDEM MAST ARMS	EA	1
639-3014	STEEL STRAIN POLE, TP IV 25' MAST ARM, INCL LUMINAIRE ARM	EA	1
639-3014	STEEL STRAIN POLE, TP IV 35' AND 35' TANDEM MAST ARMS	EA	1
647-1000	TRAFFIC SIGNAL INSTALLATION NO.1	LS	1
647-1000	TRAFFIC SIGNAL INSTALLATION NO.2	LS	1
647-1000	TRAFFIC SIGNAL INSTALLATION NO.3	LS	1
653-0130	THERM PVMT MARK, ARROW, TP 3	EA	1
682-6222	CONDUIT, NM,TP 2, 2 IN	LF	270
682-6233	CONDUIT, NM,TP 3, 2 IN	LF	1385
682-9950	DIRECTIONAL BORE, 7 IN	LF	375
936-1000	CCTV SYSTEM, TYPE H	EA	1
937-1000	VIDEO CAMERA SENSOR ASSEMBLY (DUAL-PURPOSE CCTV VIDEO DETECTION)	EA	3
937-6150	PROGRAMMING MONITOR, TYPE A	EA	3

Jacobs

REVISION DATES
08/24/2022
09/09/2022
03/20/2023

SUMMARY QUANTITIES
15TH STREET EXTENSION

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

DRAWING No. 06-0003

QUANTITIES REQUIRED BY AMENDMENT

DATE	ITEM NO.	AMENDMENT DATE	AMENDMENT NUMBER	DESCRIPTION	UNIT	ORIGINAL QUANTITY	REQUIRED BY AMENDMENT QUANTITY

QUANTITIES REQUIRED ON CONSTRUCTION

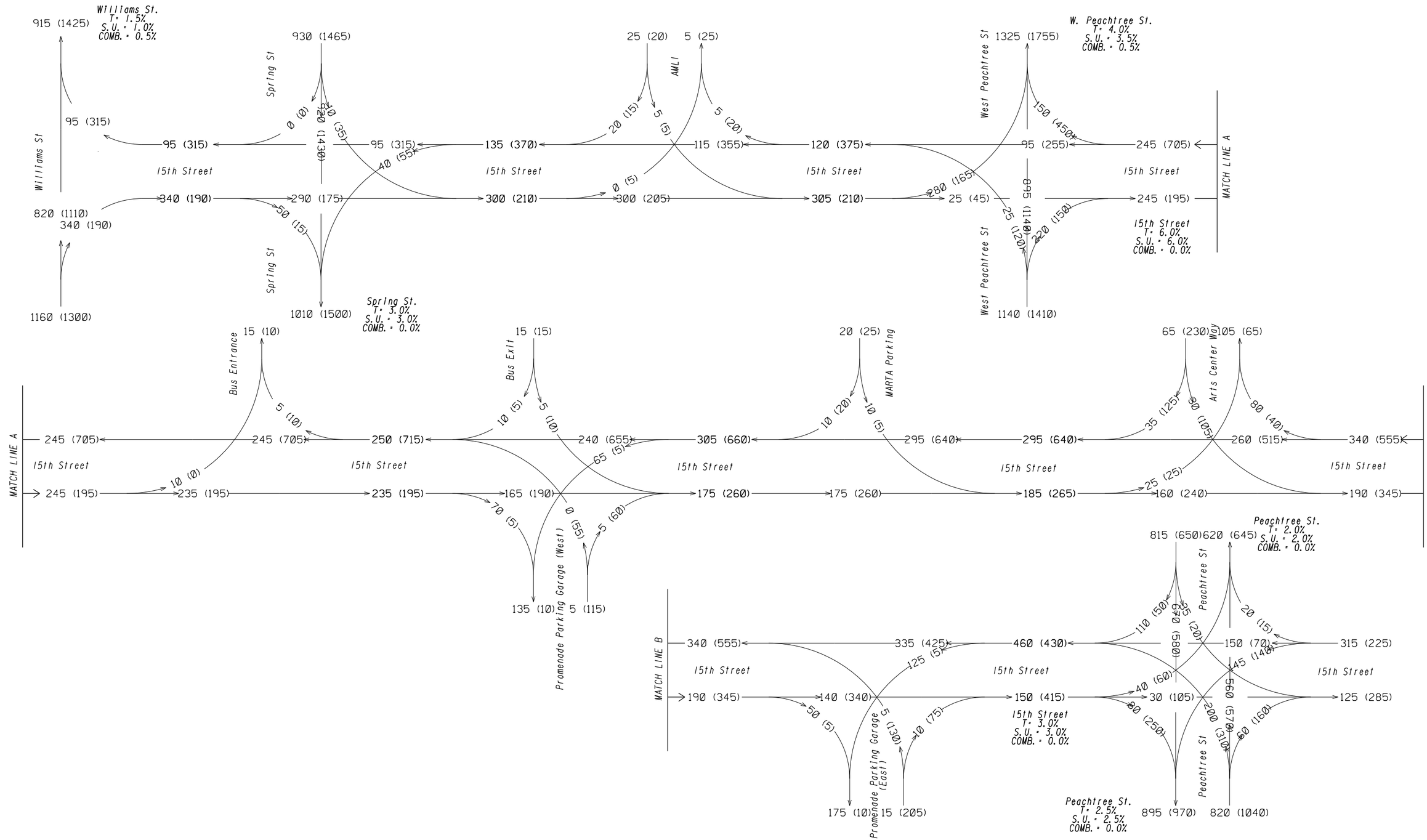
DATE	ITEM NO.	DESCRIPTION	UNIT	ORIGINAL QUANTITY	PREVIOUS QUANTITY	REQUIRED ON CONSTRUCTION QUANTITY
XX-XX-XX	XXX-XXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XX	XXX	XXX	XXX

REVISION DATES

QUANTITIES (CONSTRUCTION)

15TH STREET EXTENSION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		08-0001
VERIFIED:		DATE:		



PI#: 0015019
FULTON COUNTY
CITY OF ATLANTA - MIDTOWN

000 = AM
(000) = PM
MM - Minor Movement

NOT TO SCALE

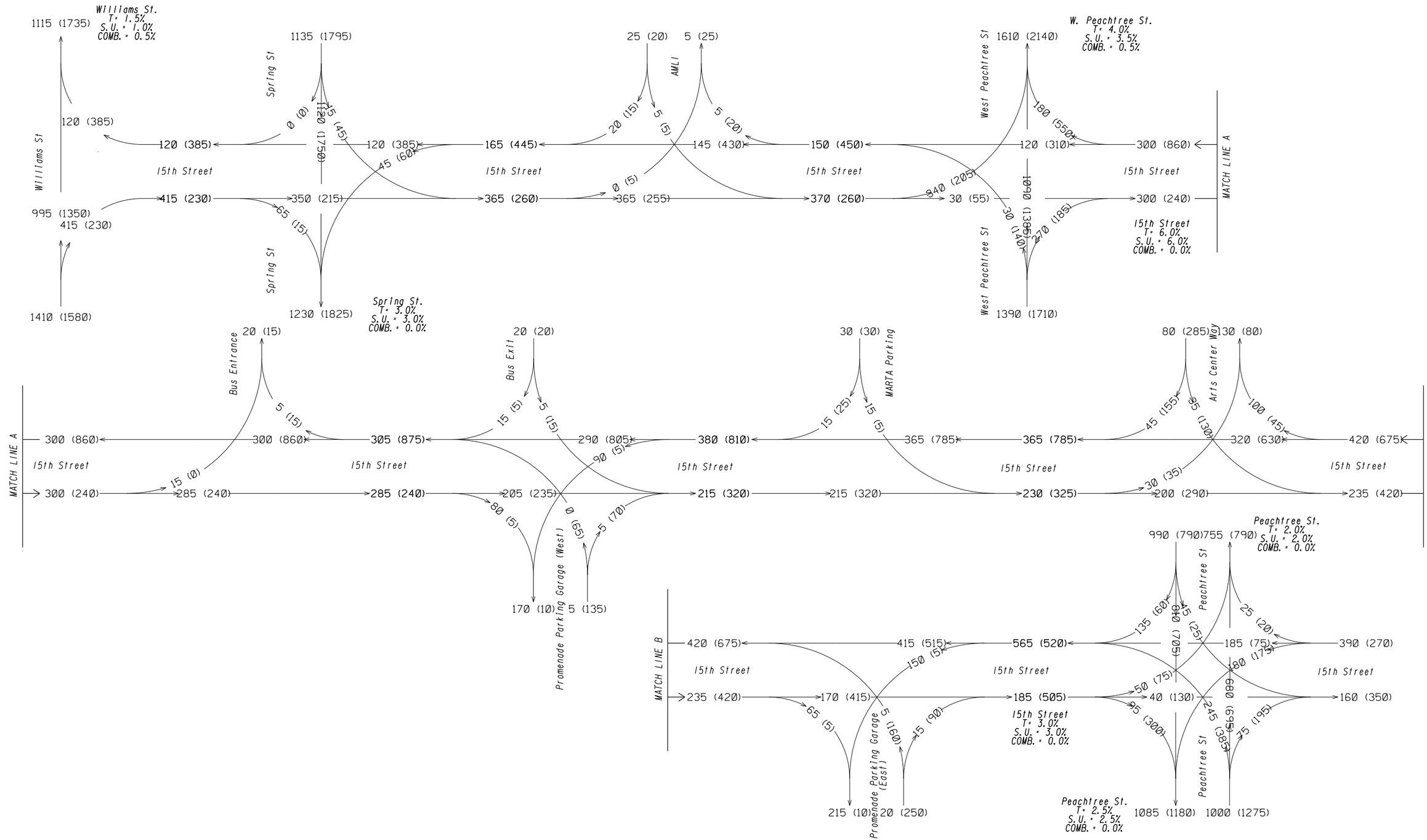
REVISION DATES

TRAFFIC DIAGRAM

15TH STREET EXTENSION
OPENING YEAR (2023) BUILD DHV

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		10-0001
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN



PI#: 0015019
FULTON COUNTY
CITY OF ATLANTA - MIDTOWN

000 = AM
(000) = PM
MM - Minor Movement

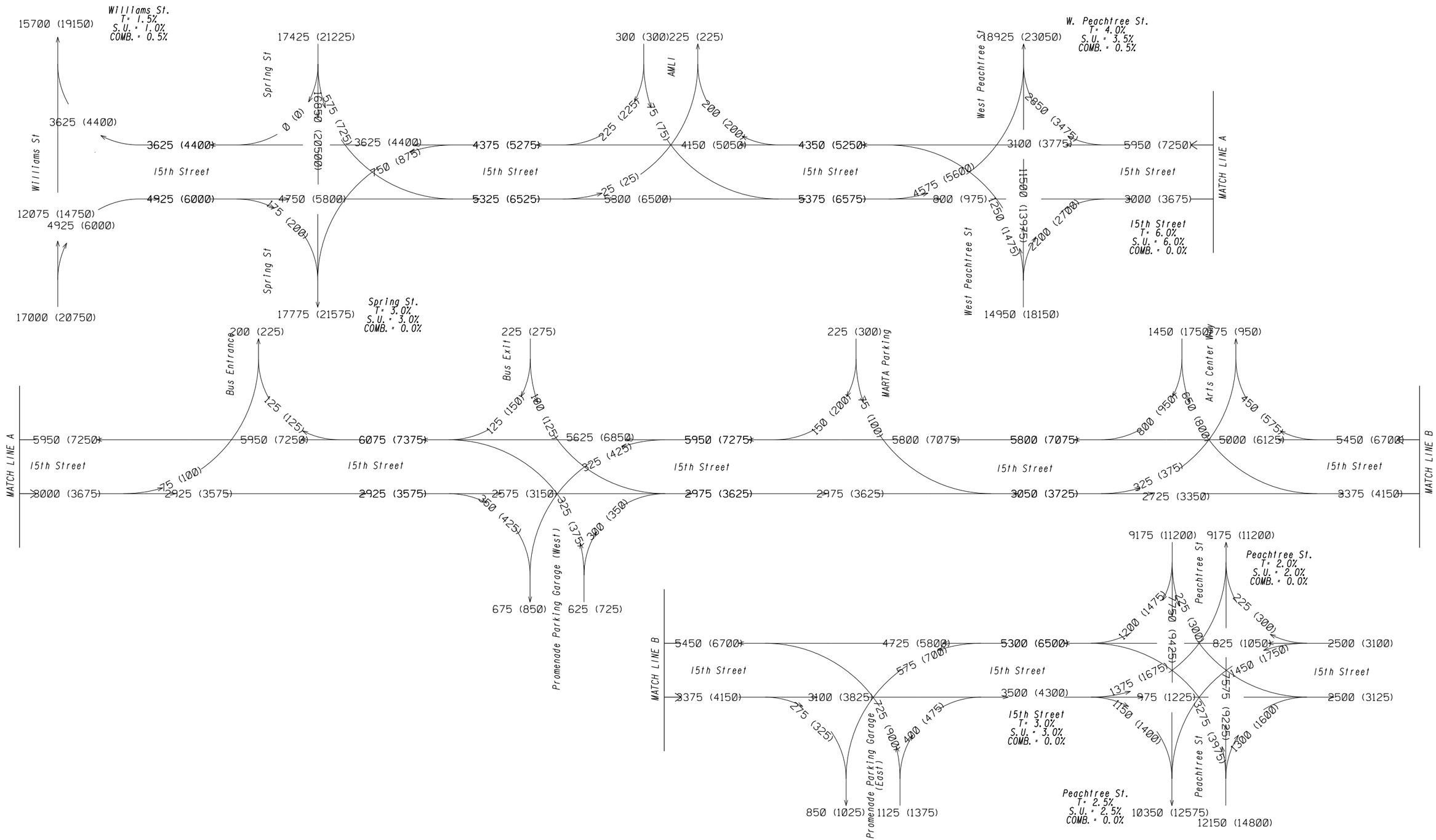
NOT TO SCALE

REVISION DATES

TRAFFIC DIAGRAM

15TH STREET EXTENSION
DESIGN YEAR (2043) BUILD DHV

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		10-0002
CORRECTED:		DATE:		
VERIFIED:		DATE:		



PI#: 0015019
FULTON COUNTY
CITY OF ATLANTA - MIDTOWN

000 - 2023 AADT
(000) - 2043 AADT
MM - Minor Movement

NOT TO SCALE

REVISION DATES

TRAFFIC DIAGRAM
15TH STREET EXTENSION
OPENING YEAR (2023) AND
DESIGN YEAR (2043) BUILD AADT

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		10-0003
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN

BENCHMARK•1
N. 1378144.2905
E. 2228638.7434
ELEV 878.56
DESC. BOLT BETWEEN
CITY & STATE

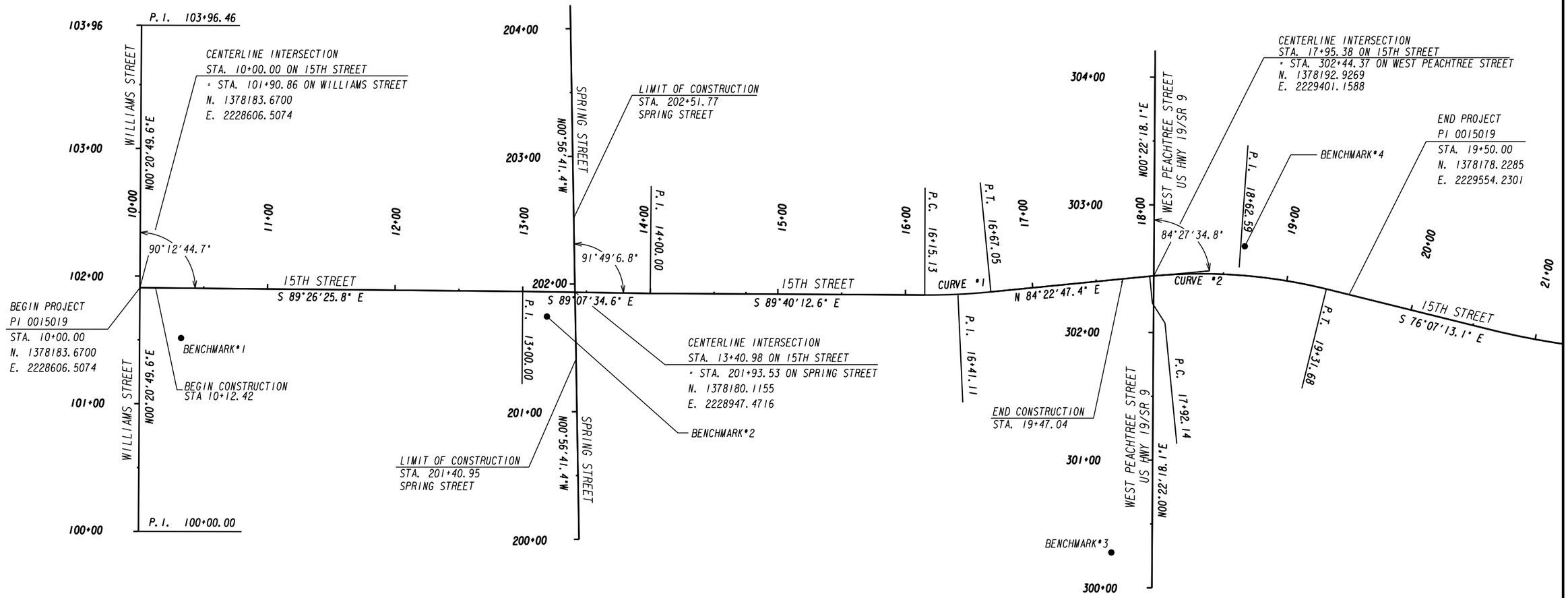
BENCHMARK•2
N. 1378161.0970
E. 2228925.5161
ELEV 897.59
DESC. BOLT BETWEEN
CITY & STATE

BENCHMARK•3
N. 1377976.3249
E. 2229367.9024
ELEV 927.96
DESC. BOLT BETWEEN
CITY & STATE

BENCHMARK•4
N. 1378216.1210
E. 2229472.4047
ELEV 924.43
DESC. BOLT BETWEEN
CITY & STATE

15TH STREET
CURVE• 1
PI STA• 16+41.11
N• 1378177.8276
E• 2229247.5899
DELTA• 5°57'00.0" (LT)
D• 11°27'32.96"
T• 25.99
L• 51.92
R• 500.00
E• 0.67

15TH STREET
CURVE• 2
PI STA• 18+62.59
N• 1378199.5226
E• 2229468.0538
DELTA• 19°29'59.5" (RT)
D• 13°58'28.49"
T• 70.45
L• 139.54
R• 410.00
E• 6.01



Jacobs

SCALE IN FEET
0 40 80 160

REVISION DATES

CONSTRUCTION LAYOUT
15TH STREET EXTENSION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		11-0001
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN

1. STA 102+33.22, OFF 12.57' RT
2. TYPE A RAMP
3. BEGIN ORNAMENTAL FENCE STA. 10+44.00 OFF. 48.00'
4. STA 11+66.63, OFF 12.00' RT

LIMIT OF CONSTRUCTION
STA. 102+39.22
WILLIAMS STREET

103+00

CENTERLINE INTERSECTION
STA. 10+00.00 ON 15TH STREET
= STA. 101+90.86 ON WILLIAMS STREET
N. 1378183.6700
E. 2228606.5074

5. END ORNAMENTAL FENCE STA. 12+92.98 OFF. 39.91' LT
6. STA 12+94.76, OFF 17.49' LT
7. TYPE A RAMP
8. END ORNAMENTAL FENCE STA. 12+96.25 OFF. 48.04' RT
9. STA 13+07.83, OFF 18.99' RT
10. STA 202+20.22, OFF 20.20' RT

102+00

11. STA 13+72.48, OFF 28.50' RT
12. END MILL & INLAY, BEGIN FULL DEPTH STA 13+60.32
13. BNC +3.3
14. STA 13+70.32, OFF 17.50' LT

BEGIN PROJECT
PI 0015019
STA. 10+00.00
N. 1378183.6700
E. 2228606.5074

BEGIN CONSTRUCTION
BEGIN FULL DEPTH
STA 10+12.42

15. BEGIN TAPER, STA 13+90.09, OFF 28.50' RT
16. BEGIN TAPER, STA 13+90.79, OFF 17.50' LT

101+00

LIMIT OF CONSTRUCTION
STA. 101+32.30
WILLIAMS STREET

17. STA 14+06.20, OFF 12.00' LT
18. STA 14+05.23, OFF 23.00' RT

20. PROPOSED SIGNAL W/ MAST ARMS

WILLIAMS STREET N00°20'49.6"E
SR 9SO/SPRING STREET N00°56'41.4"W
15TH STREET S 89°26'25.8" E
S 89°07'34.76" E
R 1.5' S 89°40'12.6" E
N/F ROSEMARIE L SPILLANE
N/F 1270 SPRING STREET, LLC
N/F GEORGIA DEPARTMENT OF TRANSPORTATION
N/F DEVELOPMENT AUTHORITY OF FULTON COUNTY
N/F SELIG ENTERPRISES, INC
N/F KOGER ACP, LLC
'TEMPORARY CONSTRUCTION LAYDOWN AREA'
BILLBOARD SIGN
CENTERLINE INTERSECTION STA. 13+40.98 ON 15TH STREET = STA. 201+93.53 ON SR 9SO/SPRING STREET N. 1378780.7155 E. 2228947.4716
CONTROL POINT #9901 N: 1378347.5072 E: 2228919.8810 Z: 892.49
LIMIT OF CONSTRUCTION STA. 202+88.43 SR 9SO/SPRING STREET
LIMIT OF MILL/INLAY STA. 202+46.03 SR 9SO/SPRING STREET
TIE TO EXISTING GRANITE CURB STA. 202+88.43 OFF. 19.16' LT
202+89.00 29.45' LT
202+89.00 32.00' LT 203+00
TIE TO EXISTING GRANITE CURB STA. 202+45.70 OFF. 20.49' RT
202+45.56 29.23' RT
13+68.80 35.00' LT
13+68.86 32.33' RT
CURB AND GUTTER TYPE 2 TIE TO EXISTING STA. 102+39.22 OFF. 12.57' RT
10+32.73 50.00' LT
BEGIN ORNAMENTAL FENCE STA. 10+37.48 OFF. 47.86' LT
END CURB AND GUTTER TYPE 2 BEGIN GRANITE CURB. 5'X17' STA. 10+37.73 19.51' RT
END CURB AND GUTTER TYPE 2 BEGIN GRANITE CURB. 5'X17' 10+37.44 17.50' LT
END TAPER 10+95.04 22.50' LT
12+00.00 45.00' LT
END FULL DEPTH BEGIN MILL & INLAY STA 13+19.84
202+46.76 32.00' LT
202+46.89 42.60' LT
12+97.00 42.00' LT
BEGIN TAPER 12+55.23 22.50' LT
12+88.43 32.50' LT
202+37.08 20.01' LT
CLEAN OUT STRUCTURE & PIPE
TYPE A RAMP
BEGIN TAPER 10+65.58 17.50' LT
10+70.49 17.99' LT
10' SIDEWALK
5' X 10' TREE BOX
5' BIKE LANE
EXPOSED ROCK FACE
10+81+20 12.00' LT
12+69.06 12.00' LT
END TAPER 13+84.76 17.49' LT
10+72.08 12.001' RT
11+66.12 32.50' RT
BEGIN TAPER 10+85.92 22.50' RT
10+61.37 17.99' RT
BEGIN TAPER 10+56.46 17.50' RT
10+47.77
ESA - HISTORIC RESOURCE
8' CHAINLINK FENCE
10+44.00 50.00' RT
101+32.00 44.00' RT
10+33.54 58.74' RT
CURB AND GUTTER TYPE 2 TIE TO EXISTING STA. 101+32.30 OFF. 12.59' RT
BEGIN TAPER 12+64.24 27.38' RT
END TAPER 12+92.90 31.05' RT
13+00.00
201+45.00 43.00' LT
201+28.00 43.00' LT
201+28.00 29.95' LT
TIE TO EXISTING GRANITE CURB STA. 201+29.87 OFF. 20.89' LT
201+00
LIMIT OF MILL/INLAY STA. 201+49.84 SR 9SO/SPRING STREET
LIMIT OF CONSTRUCTION STA. 201+29.87 SR 9SO/SPRING STREET
TIE TO EXISTING CONCRETE CURB STA. 201+49.51 OFF. 20.23' RT
END TAPER 14+18.54
14+00.00
14+58.00 35.00' LT
14+58.00 40.00' LT
BEGIN RAMP STA. 14+85.84 EL. 900.13
14+90.00 40.00' LT
DETECTABLE WARNING STRIP (TYP)
END TAPER 14+20.12 22.50' LT
BEGIN WALL NO. 1 MSE WALL STA. 14+38.44 OFF. 41.10' RT
EXIST. WALL TO REMAIN
MULTI STORY PARKING DECK
CONC. GARAGE EXIT
REMOVE EXISTING CONCRETE OLD PARKING
MATCH LINE STA. 15+00
DRAWING No. 13-0002

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

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

Jacobs

SCALE IN FEET
0 20 40 80

REVISION DATES
07-12-2022
03-23-2023

CONSTRUCTION PLAN
15TH STREET EXTENSION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		13-0001
CORRECTED:		DATE:		
VERIFIED:		DATE:		

3 BEGIN ORNAMENTAL FENCE
STA. 10+44.00
OFF. 48.00'

LIMIT OF CONSTRUCTION
STA. 102+39.22
WILLIAMS STREET

CENTERLINE INTERSECTION
STA. 10+00.00 ON 15TH STREET
= STA. 101+90.86 ON WILLIAMS STREET
N. 1378183.6700
E. 2228606.5074

5 END ORNAMENTAL FENCE
STA. 12+92.98
OFF. 39.91' LT

8 END ORNAMENTAL FENCE
STA. 12+96.25
OFF. 48.04' RT

EXIST. WALL TO REMAIN

BEGIN PROJECT
PI 0015019
STA. 10+00.00
N. 1378183.6700
E. 2228606.5074

BEGIN GRANITE CURB, 5'X17'
STA. 10+37.73
OFF. 19.51'RT

LIMIT OF CONSTRUCTION
STA. 101+32.30
WILLIAMS STREET

WILLIAMS STREET N00°20'49.6"E

CURB AND GUTTER TYPE 2
TIE TO EXISTING
STA. 102+39.22
OFF. 12.57' RT

BEGIN ORNAMENTAL FENCE
STA. 10+37.86
OFF. 17.50' LT

END CURB AND GUTTER TYPE 2
BEGIN GRANITE CURB, 5'X17'
STA. 10+37.73
19.51' RT

BEGIN 6' BIKE RAMP/
BEGIN CONCRETE PAVING
STA. 10+80.91
OFF. 14.97'LT

END GRANITE CURB, 5'X17'
STA. 10+85.81
OFF. 21.05' LT

END CURB AND GUTTER TYPE 2
BEGIN GRANITE CURB, 5'X17'
STA. 10+37.44
OFF. 16.65' LT

END 6' BIKE RAMP/
BEGIN GRANITE CURB, 5'X17'
STA. 10+86.79
OFF. 16.15'LT

N/F
ROSEMARY L SPILLANE

N/F
1270 SPRING STREET, LLC

CENTERLINE INTERSECTION
STA. 13+40.98 ON 15TH STREET
= STA. 201+93.53 ON
SR 9SO/SPRING STREET
N. 1378780.1155
E. 2228947.4716

TIE TO EXISTING
GRANITE CURB
STA. 202+88.43
OFF. 19.16' LT

1 N/F
GEORGIA DEPARTMENT
OF TRANSPORTATION

BEGIN 6' BIKE RAMP/
BEGIN GRANITE CURB, 5'X17'
STA. 12+63.54
OFF. 16.14'LT

END 6' BIKE RAMP
END CONCRETE PAVING
STA. 12+69.42
OFF. 14.96'LT

DCDB
TOP: 893.54
FULL OF DEBRIS

CLEAN OUT STRUCTURE & PIPE

N00°56'41.4"W SR 9SO/SPRING STREET

LIMIT OF CONSTRUCTION
STA. 202+88.43
SR 9SO/SPRING STREET

LIMIT OF MILL/INLAY
STA. 202+46.03
SR 9SO/SPRING STREET

TIE TO EXISTING
GRANITE CURB
STA. 202+45.70
OFF. 20.49' RT

2 N/F
DEVELOPMENT AUTHORITY
OF FULTON COUNTY

DEMO EXISTING TREE

BEGIN 6' BIKE RAMP
BEGIN CONCRETE PAVING
STA. 14+05.91
OFF. 14.97'LT

END 6' BIKE RAMP/
BEGIN GRANITE CURB, 5'X17'
STA. 14+11.80
OFF. 16.14'LT

SPECIAL DESIGN CATCH BASIN
TOP: 895.09
INV IN: 890.37
INV OUT: 890.37

ROOF DRAIN
INV: 898.04

TEMPORARY CONSTRUCTION FENCE

15TH STREET
S 89°26'25.8" E

CONCRETE COLLAR
FOR DEFLECTING PIPE
GA STD 9031U

S 89°07'34.6" E

S 89°40'12.6" E

N/F
GEORGIA DEPARTMENT
OF TRANSPORTATION

BENCHMARK
ELEV: 876.56
BOLT BETWEEN
CITY & STATE

BEGIN 6' BIKE RAMP/
BEGIN CONCRETE PAVING
STA. 10+71.79
OFF. 14.97'RT

END GRANITE CURB, 5'X17'
STA. 10+76.59
21.54' RT

END 6' BIKE RAMP/
BEGIN GRANITE CURB, 5'X17'
STA. 10+77.67
OFF. 16.15'RT

END GRANITE CURB, 5'X17'
STA. 12+78.48
OFF. 24.90'RT

BEGIN 6' BIKE RAMP
STA. 12+80.38
OFF. 24.59'RT

END 6' BIKE RAMP
END CONCRETE PAVING
STA. 12+86.31
OFF. 25.51'RT

ESA - HISTORIC RESOURCE

N: 1378097.1510
E: 2228730.2490
EL: 899.17

TIE TO EXISTING
GRANITE CURB
STA. 201+29.87
OFF. 20.89' LT

LIMIT OF MILL/INLAY
STA. 201+49.84
SR 9SO/SPRING STREET

LIMIT OF CONSTRUCTION
STA. 201+29.87
SR 9SO/SPRING STREET

N/F
SELIG ENTERPRISES, INC

CURB AND GUTTER TYPE 2
DCB TO EXISTING
TOP: 880.33
OUT: 876.35-32.30
OFF. 12.59' RT

DCB
TOP: 881.25
IN: 876.29 (18"RCP)
OUT: 874.92 (NOT VISIBLE)

TIE TO EXISTING
CONCRETE CURB
STA. 201+49.51
OFF. 20.23' RT

DEMO EXISTING TREE

BEGIN WALL NO. 1
MSE WALL
STA. 14+38.44
OFF. 41.10' RT

END 6' BIKE RAMP/
BEGIN GRANITE CURB, 5'X17'
STA. 14+10.79
OFF. 27.20'RT

BEGIN 6' BIKE RAMP
BEGIN CONCRETE PAVING
STA. 14+04.92
OFF. 25.97'RT

N/F
KOGER ACP, LLC

REMOVE EXISTING CONCRETE OLD PARKING

MATCH LINE STA. 15+00 DRAWING No. 13-0002A

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

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

Jacobs

SCALE IN FEET
0 20 40 80

REVISION DATES
07-12-2022
03-20-2023

CONSTRUCTION PLAN
15TH STREET EXTENSION
BIKE LANE DETAILS

CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	13-0001A
CORRECTED:		DATE:	
VERIFIED:		DATE:	

10/23/2015 GPLN

MATCH LINE STA. 15+00 DRAWING No. 13-0001

1 STA 16+15.13, OFF 23.00' RT
2 STA 16+67.05, OFF 12.00' LT
3 STA 17+73.40, OFF 21.48' LT
4 END FULL DEPTH PAVEMENT STA 17+71.09
5 EXISTING WALL TO BE DEMO'D TO 2' (MIN.) BELOW SUBGRADE. CONTRACTOR TO PROVIDE SHORING AS NEEDED.
6 END OF WALL TREATMENT TO BE COORDINATED WITH PROPERTY OWNER

2 N/F DEVELOPMENT AUTHORITY OF FULTON COUNTY

6 BEGIN WALL NO. *3 GA. STD. 9031L STA. 16+31.24 OFF. 31.04' LT

END WALL NO. *3 GA. STD. 9031L STA. 17+27.30 OFF. 42.67' LT

END TAPER 17+43.72 17.50' LT

TIE TO EXISTING GRANITE CURB STA. 302+70.18 OFF. 24.09' LT

17+68.48 17.50' LT

17+58.98 32.50' LT

END RAMP STA. 15+02.56 EL. 902.55

15+55.95 30.71' LT

16+15.27 30.10' LT

16+23.12 30.28' LT

16+15.13 12.00' LT

16+30.38 33.78' LT

16+31.24 31.04' LT

BEGIN TAPER 17+14.27 22.50' LT

EXIST. WALL TO REMAIN

MULTI STORY RESIDENTIAL BUILDING

9' SIDEWALK
5' BIKE LANE
R 488
R 523
R 1.5
R 5
P.I. 15+41.17
P.I. 18+62.59
P.I. 19+31.68
P.I. 17+92.14
S 89°40'12.6" E
N 84°22'47.4" E
S 76°07'13.1" E
N00°22'18.1"E
15TH STREET
SR 9/WEST PEACHTREE STREET
EXIST. R/W
CONC. SIDEWALK
CONC. WALL
CONC. HANDRAIL
6' CHAINLINK FENCE
TEMPORARY CONSTRUCTION FENCE
CONSTRUCTION FENCE
CONC. APRON
CONC. /PEBBLE DRIVE
CONC. HEADER
CONC. DRIVE
PAVERS
BENCH
BIKE RACK
WATER MANHOLE
UTILITY VAULT
TYPE A RAMP (TYP)
RAMP
MARTA
MARTA STOP
NO PARKING 25 MPH
PED XING
METAL FENCE
VENT
BRICK WALL
PAVER SIDEWALK
DO NOT ENTER
FDC
BLOCK WALL
CONC. STAIRS
PARKING DECK
THREE STORY BRICK
UTILITIES
GRANITE HEADER CURB INSTALLED BY OTHER CONTRACTORS
DETECTABLE WARNING STRIP (TYP)

17+62.34 28.50' RT
17+67.31 33.99' RT
ASPHALT 16+67.05 23.00' RT
17+07.16 23.00' RT
END TAPER 17+22.78 28.50' RT
17+17.87 28.99' RT
BEGIN TAPER 16+93.32 33.50' RT
TIE TO EXISTING GRANITE CURB STA. 301+88.65 OFF. 24.26' LT

END WALL NO. *1 MSE WALL STA. 15+57.25 OFF. 41.10' RT

LIMIT OF CONSTRUCTION STA. 302+70.18 SR 9/WEST PEACHTREE STREET

CENTERLINE INTERSECTION STA. 17+95.38 ON 15TH STREET
* STA. 302+44.37 ON SR 9/WEST PEACHTREE STREET
N. 1378192.9269
E. 2229401.1588

LIMIT OF CONSTRUCTION STA. 301+88.65 SR 9/WEST PEACHTREE STREET

END CONSTRUCTION STA. 19+47.04

END PROJECT PI 0015019 STA. 19+50.00 N. 1378178.2285 E. 2229554.2301

BENCHMARK ELEV: 924.43 BOLT BETWEEN CITY & STATE

LL108 LL115

N/F GEORGIA DEPARTMENT OF TRANSPORTATION
N/F P&L 1230 WEST PEACHTREE, LP
N/F KOGER ACP, LLC
N/F NP 15TH STREET, LLC
N/F MARTA
N/F HINES ONE ATLANTIC CENTER, LP

LEGEND
PAVEMENT REMOVAL
SHADED AREA TO BE PERFORMED BY OTHER CONTRACTORS

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

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

Jacobs

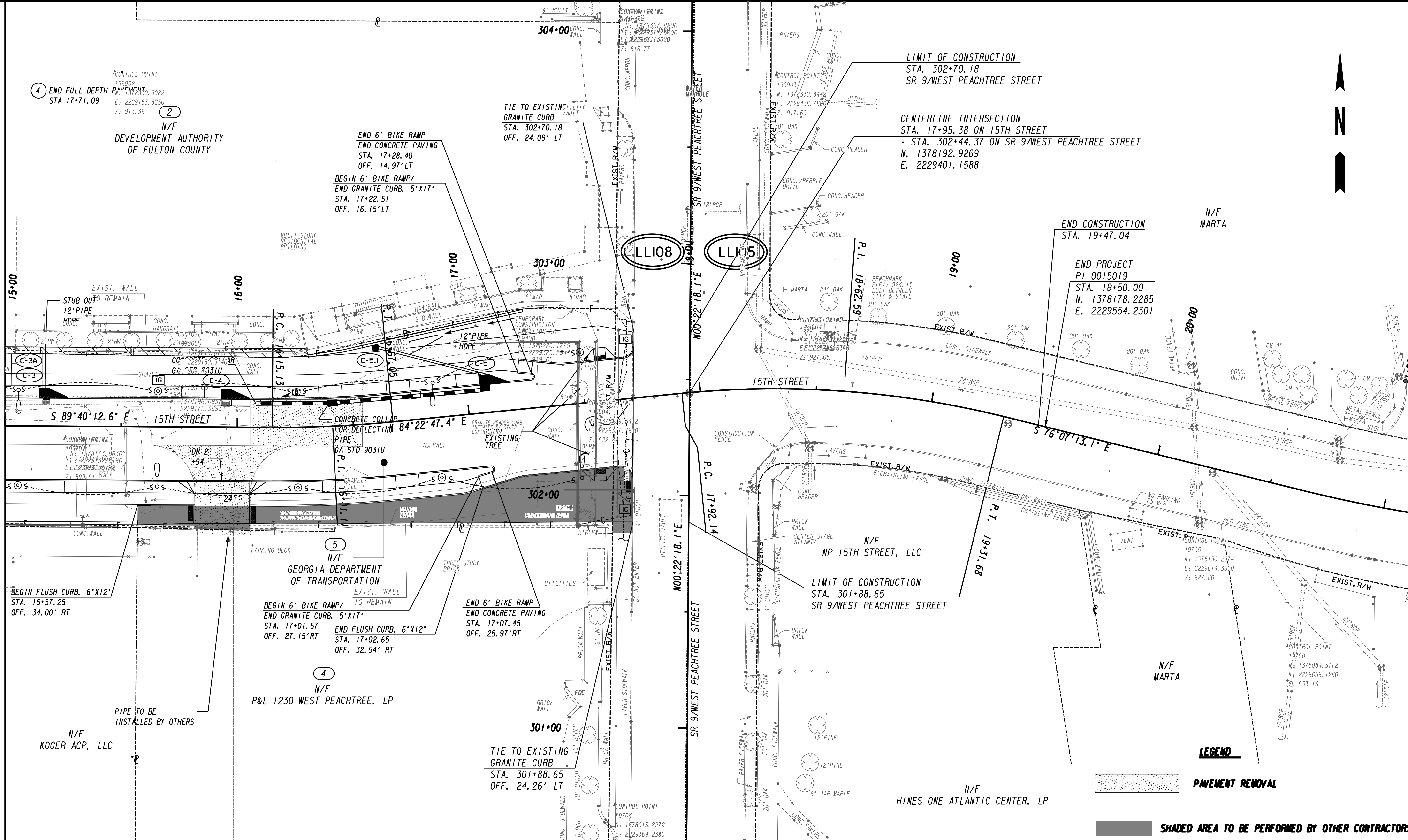
SCALE IN FEET 0 20 40 80

REVISION DATES
07-12-2022
03-20-2023

CONSTRUCTION PLAN
15TH STREET EXTENSION

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

MATCH LINE STA. 15+00 DRAWING No. 13-0001A



LEGEND

▨	PAVEMENT REMOVAL
■	SHADED AREA TO BE PERFORMED BY OTHER CONTRACTORS

PROPERTY AND EXISTING R/W LINE	------℗------
REQUIRED R/W LINE	———
CONSTRUCTION LIMITS	— C — F —
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	▨
EASEMENT FOR CONSTR OF SLOPES	▨
EASEMENT FOR CONSTR OF DRIVES	⊠

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

Jacobs

SCALE IN FEET
0 20 40 80

REVISION DATES		
07-12-2022		
03-20-2023		

CONSTRUCTION PLAN
15TH STREET EXTENSION
BIKE LANE DETAILS

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

MATCH LINE STA. 15+00 DRAWING No. 13-0001

1. STA 16+15.13, OFF 23.00' RT
2. STA 16+67.05, OFF 12.00' LT
3. STA 17+73.40, OFF 21.48' LT
4. END FULL DEPTH PAVEMENT STA 17+71.09
5. EXISTING WALL TO BE DEMO'D TO 2' (MIN.) BELOW SUBGRADE. CONTRACTOR TO PROVIDE SHORING AS NEEDED.
6. END OF WALL TREATMENT TO BE COORDINATED WITH PROPERTY OWNER

N/F DEVELOPMENT AUTHORITY OF FULTON COUNTY

BEGIN WALL NO. *3 GA. STD. 9031L STA. 16+31.24 OFF. 31.04' LT

END WALL NO. *3 GA. STD. 9031L STA. 17+27.30 OFF. 42.67' LT

END TAPER 17+43.72 17.50' LT

TIE TO EXISTING GRANITE CURB STA. 302+70.18 OFF. 24.09' LT

17+68.48 17.50' LT

17+58.98 32.50' LT

15+55.95 30.71' LT

16+30.38 33.78' LT

16+31.24 31.04' LT

END RAMP STA. 15+02.56 EL. 902.55

16+15.27 30.10' LT

16+23.12 30.28' LT

BEGIN TAPER 17+14.27 22.50' LT

16+15.13 12.00' LT

EXIST. WALL TO REMAIN

STUB OUT 12"PIPE HDPE

12"PIPE HDPE

9' SIDEWALK

5' BIKE LANE

R 488

R 1.5

17+38.82 17.99' LT

17+28.10 12.00' LT

TYPE A RAMP (TYP)

S 89°40'12.6" E

15TH STREET

CONCRETE COLLAR FOR DEFLECTING PIPE GA STD 9031U

N 84°22'47.4" E

17+07.16 23.00' RT

16+67.05 23.00' RT

END TAPER 17+22.78 28.50' RT

17+62.34 28.50' RT

R 523

R 5

17+67.31 33.99' RT

17+17.87 28.99' RT

N/F GEORGIA DEPARTMENT OF TRANSPORTATION

EXIST. WALL TO REMAIN

BEGIN TAPER 16+93.32 33.50' RT

DETECTABLE WARNING STRIP (TYP)

END WALL NO. *1 MSE WALL STA. 15+57.25 OFF. 41.10' RT

PIPE TO BE INSTALLED BY OTHERS

N/F KOGER ACP, LLC

N/F P&L 1230 WEST PEACHTREE, LP

TIE TO EXISTING GRANITE CURB STA. 301+88.65 OFF. 24.26' LT

SR 9/WEST PEACHTREE STREET

EXIST. R/W

LL108 LL105

N00°22'18.1"E

LIMIT OF CONSTRUCTION STA. 302+70.18 SR 9/WEST PEACHTREE STREET

CENTERLINE INTERSECTION STA. 17+95.38 ON 15TH STREET
- STA. 302+44.37 ON SR 9/WEST PEACHTREE STREET
N. 1378192.9269
E. 2229401.1588

N/F MARTA

END CONSTRUCTION STA. 19+47.04

END PROJECT PI 0015019 STA. 19+50.00 N. 1378178.2285 E. 2229554.2301

P.I. 18+62.59

S 76°07'13.1" E

15TH STREET

EXIST. R/W

N/F NP 15TH STREET, LLC

LIMIT OF CONSTRUCTION STA. 301+88.65 SR 9/WEST PEACHTREE STREET

P.I. 19+31.68

P.C. 17+92.14

N00°22'18.1"E

SR 9/WEST PEACHTREE STREET

N/F MARTA

N/F HINES ONE ATLANTIC CENTER, LP

NOTE: REFER TO GENERAL NOTES 17 & 18 REGUARDING MILESTONES A & B.

SHADED AREA TO BE PERFORMED BY OTHER CONTRACTORS

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

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

Jacobs

SCALE IN FEET
0 20 40 80

REVISION DATES
07-12-2022

CONSTRUCTION PLAN
15TH STREET EXTENSION
ALTERNATE I

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

10/23/2015 GPLN

MATCH LINE STA. 15+00 DRAWING No. 13-0001A

4 END FULL DEPTH PAVEMENT
STA 17+71.09

2 N/F
DEVELOPMENT AUTHORITY
OF FULTON COUNTY

END 6' BIKE RAMP
END CONCRETE PAVING
STA. 17+28.40
OFF. 14.97' LT

BEGIN 6' BIKE RAMP/
END GRANITE CURB. 5"X17"
STA. 17+22.51
OFF. 16.15' LT

TIE TO EXISTING
GRANITE CURB
STA. 302+70.18
OFF. 24.09' LT

EXIST. WALL
TO REMAIN

STUB OUT
12" PIPE
HDPE

12" PIPE
HDPE

CONCRETE COLLAR
FOR DEFLECTING
PIPE
GA STD 9031U

DEMO
EXISTING
TREE

DW 2
+94

5 N/F
GEORGIA DEPARTMENT
OF TRANSPORTATION

BEGIN FLUSH CURB. 6"X12"
STA. 15+57.25
OFF. 34.00' RT

BEGIN 6' BIKE RAMP/
END GRANITE CURB. 5"X17"
STA. 17+01.57
OFF. 27.15' RT

END FLUSH CURB. 6"X12"
STA. 17+02.65
OFF. 32.54' RT

END 6' BIKE RAMP
END CONCRETE PAVING
STA. 17+07.45
OFF. 25.97' RT

PIPE TO BE
INSTALLED BY OTHERS

N/F
KOGER ACP, LLC

N/F
P&L 1230 WEST PEACHTREE, LP

TIE TO EXISTING
GRANITE CURB
STA. 301+88.65
OFF. 24.26' LT

LIMIT OF CONSTRUCTION
STA. 302+70.18
SR 9/WEST PEACHTREE STREET

CENTERLINE INTERSECTION
STA. 17+95.38 ON 15TH STREET
= STA. 302+44.37 ON SR 9/WEST PEACHTREE STREET
N. 1378192.9269
E. 2229401.1588

END CONSTRUCTION
STA. 19+47.04

END PROJECT
PI 0015019
STA. 19+50.00
N. 1378178.2285
E. 2229554.2301

N/F
MARTA

LIMIT OF CONSTRUCTION
STA. 301+88.65
SR 9/WEST PEACHTREE STREET

N/F
NP 15TH STREET, LLC

N/F
MARTA

N/F
HINES ONE ATLANTIC CENTER, LP

NOTE: REFER TO GENERAL NOTES 17 & 18 REGUARDING MILESTONES A & B.

SHADED AREA TO BE PERFORMED BY OTHER CONTRACTORS

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

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

Jacobs

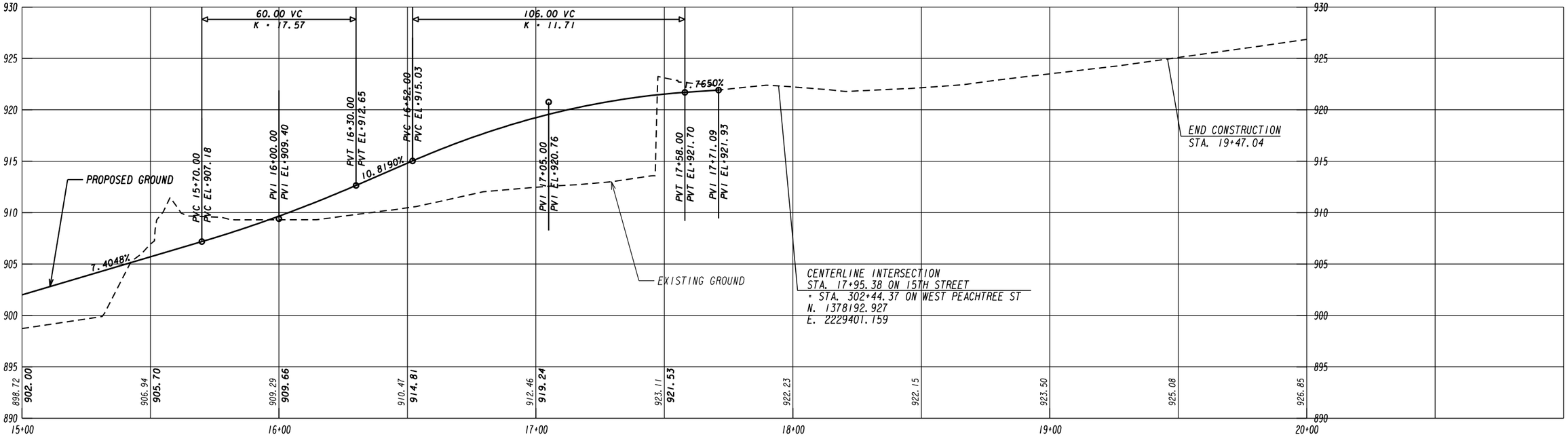
SCALE IN FEET
0 20 40 80

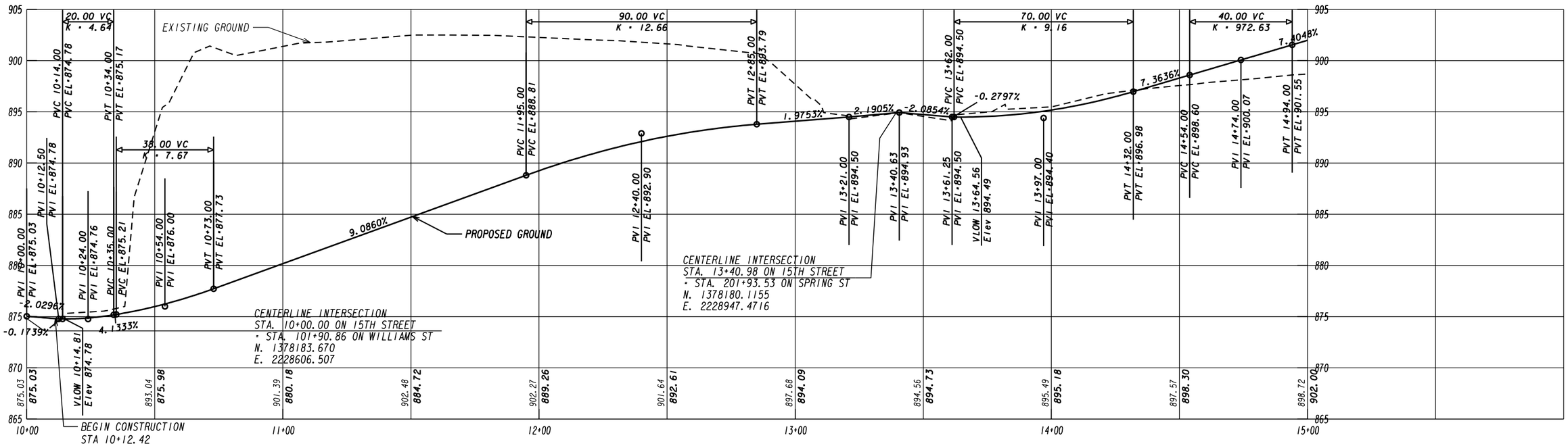
REVISION DATES
07-12-2022

CONSTRUCTION PLAN
15TH STREET EXTENSION
BIKE LANE DETAILS - ALTERNATE 1

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

10/23/2015 GPLN





Jacobs

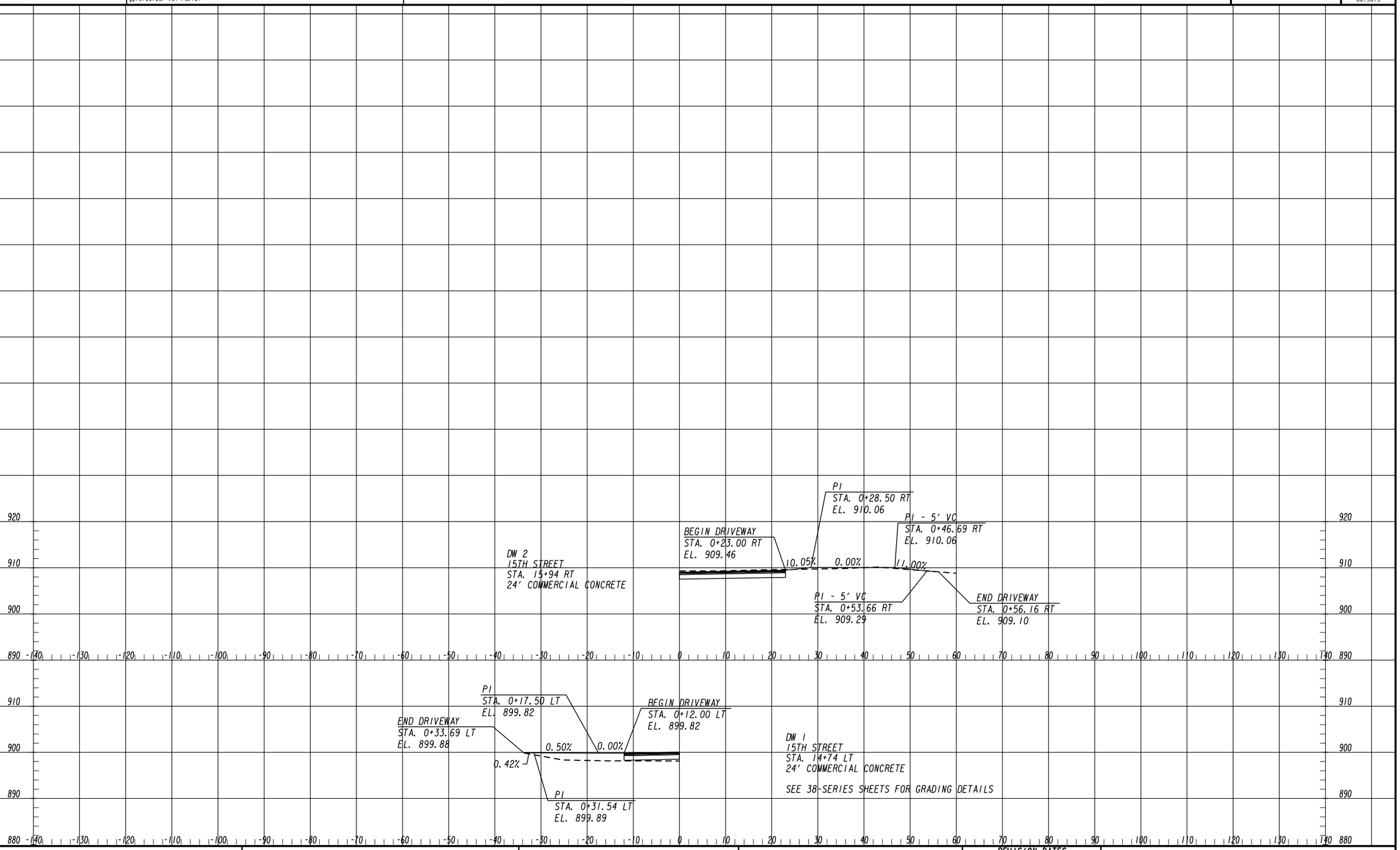
SCALE: 1" = 20' HORIZONTAL
1" = 5' VERTICAL

REVISION DATES		

MAINLINE PROFILE
15TH STREET EXTENSION

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

7/31/2015 GR220E



Jacobs

SCALE: 1" = 10' HORIZONTAL
1" = 10' VERTICAL

REVISION DATES

DRIVEWAY PROFILES

15TH STREET EXTENSION

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

DRAWING No.
17-0001

STAGE 1

FROM WILLIAMS STREET TO SPRING STREET OBJECTIVES:
-BLASTING FROM WILLIAMS STREET TO SPRING STREET.
-CONSTRUCT 15TH STREET BETWEEN WILLIAMS STREET AND SPRING STREET.
-MILL AND INLAY THROUGH INTERSECTION OF 15TH STREET AND SPRING STREET.
-TRAFFIC IS TO BE MAINTAINED ALONG SPRING STREET DURING OVERLAY CONSTRUCTION.
-INSTALL ORNAMENTAL FENCE.

FROM SPRING STREET TO WEST PEACHTREE STREET OBJECTIVES:

-UNDERGROUND VAULT LOCATED AT APPROXIMATE STA. 13+90 LT TO REMAIN IN PLACE AND FILLED WITH FLOWABLE FLOW
-FROM SPRING STREET TO WEST PEACHTREE STREET DURING THIS STAGE WILL BE NO CONSTRUCTION IN A 40 FEET WIDE AREA FROM THE EXISTING RIGHT OF WAY, TO MAINTAIN ACCESS TO PARCEL #4.
-AN OBF WILL BE INSTALLED BY CONTRACTOR TO DELINEATE THE AREA OF CONSTRUCTION IN THIS STAGE.
-RAISE GRADE AND INSTALL DRAINAGE STRUCTURES AND PIPES.
-CONSTRUCT WALL #3.
-LANES ON SPRING ST AND PEACHTREE ST WILL SHIFT BETWEEN STAGES 1 AND 2 SO BARRIER WALLS CAN BE PLACED

STAGE 2

FROM WILLIAMS STREET TO SPRING STREET OBJECTIVES:
-CONSTRUCT 15TH STREET BETWEEN WILLIAMS STREET AND SPRING STREET.
-TRAFFIC IS TO BE MAINTAINED ALONG SPRING STREET DURING OVERLAY CONSTRUCTION.

FROM SPRING STREET TO WEST PEACHTREE STREET OBJECTIVES:
-CONSTRUCT ONLY NORTH SIDE OF THE CENTERLINE FROM SPRING STREET TO WEST PEACHTREE STREET.
-15TH STREET FROM WILLIAMS STREET TO SPRING STREET TO REMAIN CLOSED UNTIL PROJECT IS COMPLETE.
-NO CONSTRUCTION WITHIN THE 40-FT AREA MARKED TO MAINTAIN ACCESS TO PARCEL #4.

STAGE 3 (TO BEGIN MARCH 1, 2023)
FROM SPRING STREET TO WEST PEACHTREE STREET OBJECTIVES:
-CONSTRUCT ONLY SOUTH SIDE OF THE CENTERLINE.
-CONSTRUCT WALLS #1, AND #2.

STAGE 3-ALTERNATE1
FROM SPRING STREET TO WEST PEACHTREE STREET OBJECTIVES:
-CONSTRUCT ONLY SOUTH SIDE OF THE CENTERLINE.

STAGE 4
-PAVE 15TH STREET WITH THE SURFACE LAYER.

THE NOTED STAGING PLANS PROVIDED HEREIN ARE TO EXPIRE ON 6/30/23. AFTER 6/30/23, THE ROADWAY CONTRACTOR MAY STAGE THEIR WORK PER THEIR NEEDS, PER THE FOLLOWING PROVISION: THE ROADWAY PROJECT CONTRACTOR SHALL PROTECT AND MAINTAIN THE ACCESS ROAD AND DRAINAGE INFRASTRUCTURE CONSTRUCTED BY HANOVER/PARCEL 4 IN ITS ENTIRETY FROM SPRINGS ST. TO HANOVER/PARCEL 4 DRIVEWAY AT 15TH ST. EXT. ONCE THE ROADWAY PROJECT NOTICE TO PROCEED IS ISSUED. THE ROADWAY PROJECT CONTRACTOR IS ALWAYS REQUIRED TO MAINTAIN/ COORDINATE, ALLOWING THE USE OF SUBJECT ACCESS ROAD FOR ALL HANOVER AFFILLIATED USERS, INCLUDING FIRST RESPONDERS VEHICLES, MOVING AND TRASH TRUCK, ETC. OR FORM AN EQUAL ROADWAY FOR THE HANOVER/PARCEL 4 USER ACCESS TO/FROM THE HANOVER/PARCEL 4 DRIVEWAY AT 15TH ST. EXT. FROM EITHER SPRING ST OR WEST PEACHTREE ST. THE ROADWAY PROJECT CONTRACTOR SHALL MAINTAIN ACCESS AT ALL TIMES TO THE 10FT SIDEWALK LOCATED NORTH OF THE LOADING DOCK TO ENSURE PEDESTRIAN ACCESS TO AND FROM THE 15TH STREET ENTRANCE TO THE HANOVER PROPERTY, AS SHOWN AS WORK BY OTHERS IN DRAWING 13-0002, 23-0003 & 23-0004.

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

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

Jacobs

SCALE IN FEET
0 20 40 80

REVISION DATES		
07-12-2022		
03-20-2023		

CONSTRUCTION STAGING PLAN
15TH STREET EXTENSION
STAGING NOTES

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		19-0001
VERIFIED:		DATE:		

LIMIT OF CONSTRUCTION
STA. 102+39.22
WILLIAMS STREET

CENTERLINE INTERSECTION
STA. 10+00.00 ON 15TH STREET
= STA. 101+90.86 ON WILLIAMS STREET
N. 1378183.6700
E. 2228606.5074

BEGIN PROJECT
PI 0015019
STA. 10+00.00
N. 1378183.6700
E. 2228606.5074

EXIST. WALL TO REMAIN

LIMIT OF CONSTRUCTION
STA. 101+32.30
WILLIAMS STREET

TEMP BARRIER METHOD I
STA 101+32 TO 102+38

PERMANENT MAINTENANCE OF SLOPE EASEMENT

CENTERLINE INTERSECTION
STA. 13+40.98 ON 15TH STREET
= STA. 201+93.53 ON
SR 950/SPRING STREET
N. 1378180.1155
E. 2228947.4716

PORTABLE IMPACT ATTENUATOR

TEMP BARRIER METHOD I
STA 201+30 TO 202+90 (LT)

PORTABLE IMPACT ATTENUATOR

TEMP BARRIER METHOD I
STA 201+80 TO 202+50(RT)

LIMIT OF CONSTRUCTION
STA. 202+88.43
SR 950/SPRING STREET

LIMIT OF MILL/INLAY
STA. 202+88.43
SR 950/SPRING STREET

CLEAN OUT STRUCTURE & PIPE

UNDERGROUND DETENTION VAULT

INSTALL ORANGE BARRIER FENCE

40.0 FT

EXIST. WALL TO REMAIN

MAINTAIN ACCESS ALL THE TIME TO PARCEL #4 DURING THIS STAGE

LIMIT OF MILL/INLAY
STA. 201+29.87
SR 950/SPRING STREET

LIMIT OF CONSTRUCTION
STA. 201+29.87
SR 950/SPRING STREET

15TH STREET
S 89°26'25.8" E

10' SIDEWALK
5' X 10' TREE BOX
5' BIKE LANE
TYPE A RAMP
REQ'D R/W
EXIST R/W
EXIST. BRW
CONC. DRIVE
CONC. GARAGE EXIT
CONC.
FDC
CV
WATER
STORM
10'
11'
10:00
11:00
12:00
13:00
14:00
15:00

MATCH LINE STA. 15+00 DRAWING No. 19-0003

LEGEND

PAVEMENT REMOVAL
TEMPORARY CONSTRUCTION PAVEMENT
PERMANENT CONSTRUCTION
CONCRETE MEDIAN CONSTRUCTION
MILL & OVERLAY CONSTRUCTION
OPEN LANES OF TRAFFIC

NOTES:
1. CONTRACTOR SHALL CLOSE LANE BASED ON THE MUTCD AND COA STANDARDS.

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

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

Jacobs

SCALE IN FEET
0 20 40 80

REVISION DATES

CONSTRUCTION STAGING PLAN
15TH STREET EXTENSION
STAGE 1

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		19-0002
CORRECTED:		DATE:		
VERIFIED:		DATE:		

MATCH LINE STA. 15+00 DRAWING No. 19-0002

EXIST. WALL TO REMAIN

INSTALL ORANGE BARRIER FENCE

40.0 FT

EXIST. WALL TO REMAIN

EXIST R/W

9' 10' 10' 10' 9'

EXIST R/W

EXIST R/W

EXIST R/W

EXIST R/W

EXIST R/W

EXIST R/W

N

LEGEND

PAVEMENT REMOVAL

TEMPORARY CONSTRUCTION PAVEMENT

PERMANENT CONSTRUCTION

CONCRETE MEDIAN CONSTRUCTION

MILL & OVERLAY CONSTRUCTION

OPEN LANES OF TRAFFIC

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

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

Jacobs

SCALE IN FEET
0 20 40 80

REVISION DATES

CONSTRUCTION STAGING PLAN

15TH STREET EXTENSION

STAGE 1

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		19-0003
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN

LIMIT OF CONSTRUCTION
STA. 102+39.22
WILLIAMS STREET

103+00

CENTERLINE INTERSECTION
STA. 10+00.00 ON 15TH STREET
= STA. 101+90.86 ON WILLIAMS STREET
N. 1378183.6700
E. 2228606.5074

WILLIAMS STREET N00°20'49.6"E

11' 12'

10+00

EXIST R/W

PERMANENT MAINTENANCE OF SLOPE EASEMENT

11+00

REQ'D R/W

12+00

20

102+00

EXIST. WALL TO REMAIN

BEGIN PROJECT
PI 0015019
STA. 10+00.00
N. 1378183.6700
E. 2228606.5074

15TH STREET
S 89°26'25.8" E

REQ'D R/W

REQ'D R/W

P.I. 13+00.00

101+00

LIMIT OF CONSTRUCTION
STA. 101+32.30
WILLIAMS STREET

WILLIAMS STREET N00°20'49.6"E

11' 12'

201+00

ACCESS EASEMENT
DB. 14242 PG. 67
PARCEL 19-C

CENTERLINE INTERSECTION
STA. 13+40.98 ON 15TH STREET
= STA. 201+93.53 ON
SR 950/SPRING STREET
N. 1378180.1155
E. 2228947.4716

9' 10' 10'

EXIST R/W

203+00

REQ'D R/W

13+00

REQ'D R/W

SR 950/SPRING STREET N00°56'41.4"W

LIMIT OF CONSTRUCTION
STA. 202+88.43
SR 950/SPRING STREET

LIMIT OF MILL/INLAY
STA. 202+88.43
SR 950/SPRING STREET

EXIST R/W

14+00

PORTABLE IMPACT ATTENUATOR
TEMP BARRIER METHOD I
STA 201+80 TO 202+46

20

202+00

S 89°07'34.

15TH STREET

INSTALL ORANGE BARRIER FENCE

EXIST. WALL TO REMAIN

EXIST. WALL TO REMAIN

MAINTAIN ACCESS ALL THE TIME TO PARCEL #4 DURING THIS STAGE

15+00

MATCH LINE STA. 15+00 DRAWING No. 19-0005

EXIST R/W

6"DIP

LIMIT OF MILL/INLAY
STA. 201+29.87
SR 950/SPRING STREET

LIMIT OF CONSTRUCTION
STA. 201+29.87
SR 950/SPRING STREET

SR 950/SPRING STREET N00°56'41.4"W

9' 10' 10'

EXIST R/W

LEGEND

PAVEMENT REMOVAL
TEMPORARY CONSTRUCTION PAVEMENT
PERMANENT CONSTRUCTION
CONCRETE MEDIAN CONSTRUCTION
MILL & OVERLAY CONSTRUCTION
OPEN LANES OF TRAFFIC

20 PROPOSED SIGNAL W/ MAST ARMS

NOTES:
1. CONTRACTOR SHALL CLOSE LANE BASED ON THE MUTCD AND COA STANDARDS.

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

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

Jacobs

SCALE IN FEET
0 20 40 80

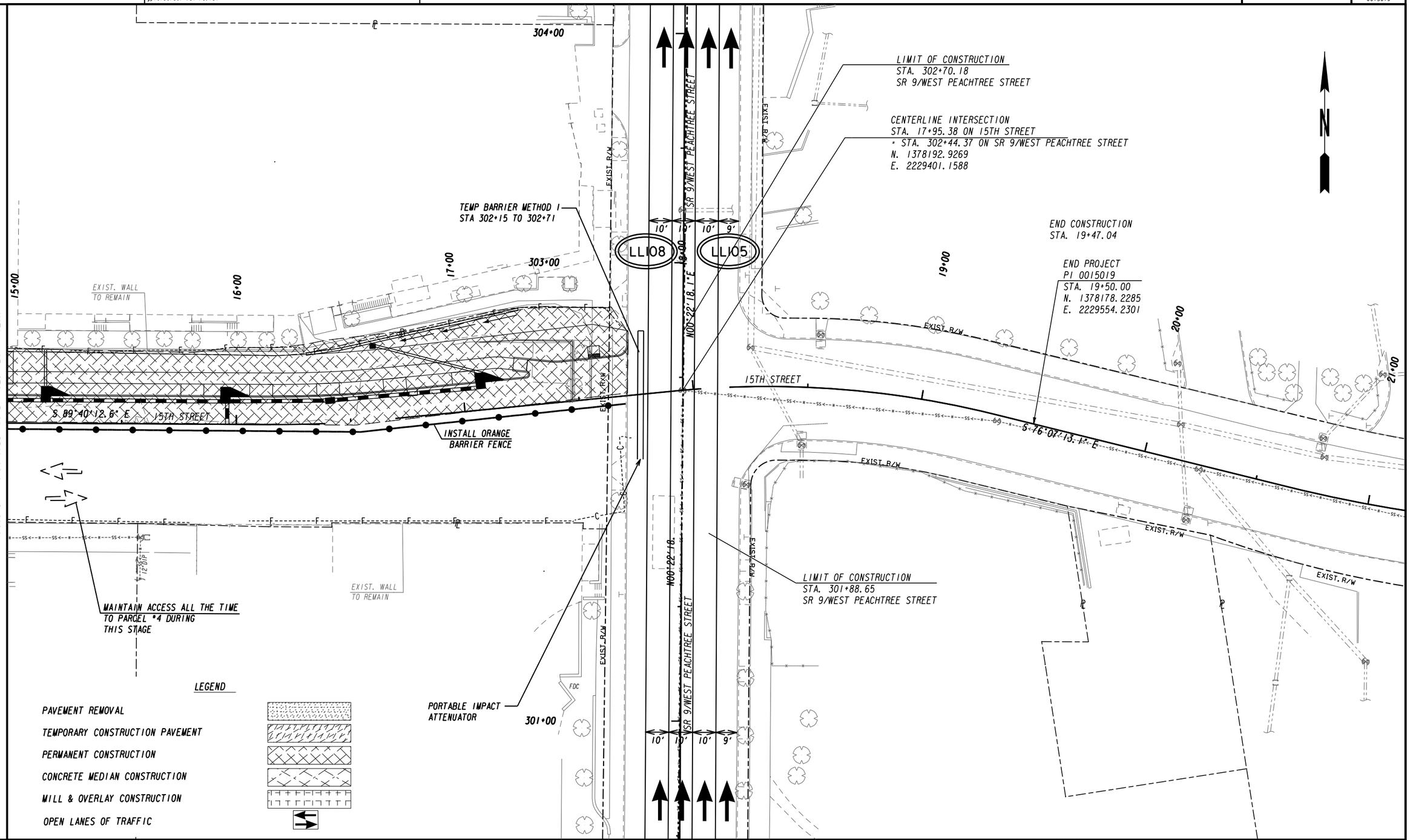
REVISION DATES

CONSTRUCTION STAGING PLAN
15TH STREET EXTENSION
STAGE 2

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		19-0004
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN

MATCH LINE STA. 15+00 DRAWING NO. 19-0004



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

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

Jacobs

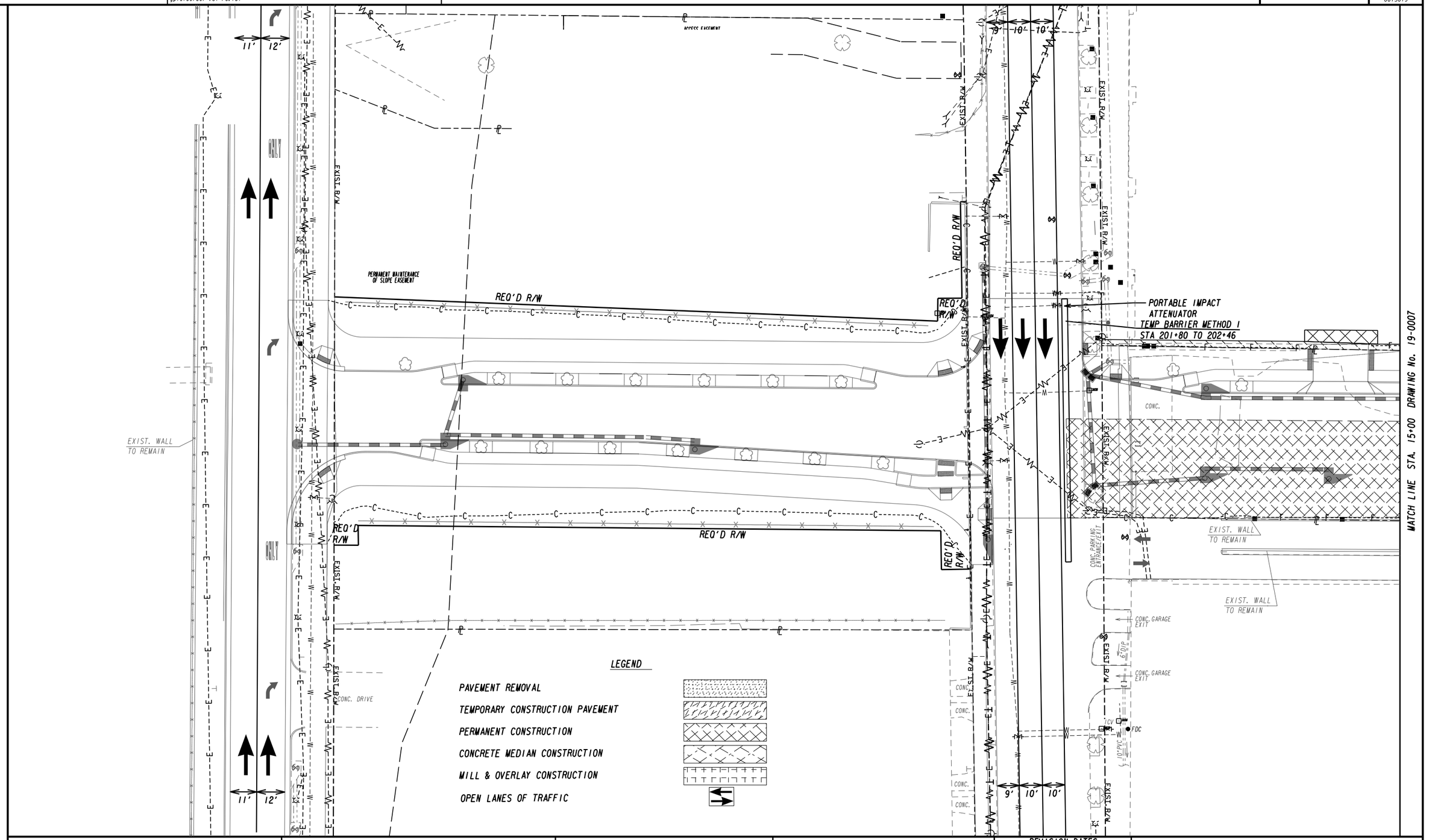
SCALE IN FEET
0 20 40 80

REVISION DATES

CONSTRUCTION STAGING PLAN
15TH STREET EXTENSION
STAGE 2

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		19-0005
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN



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

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

Jacobs

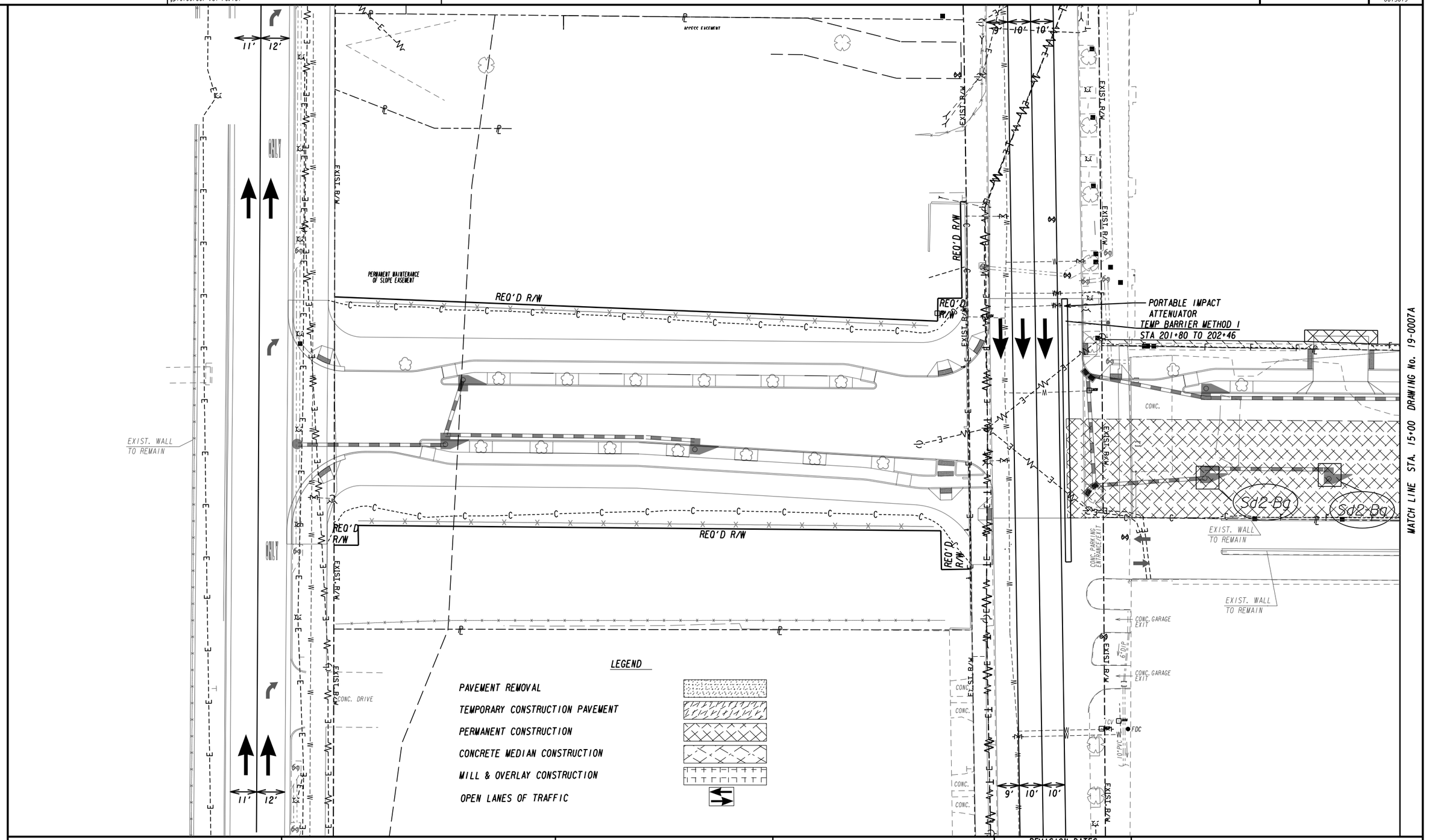
SCALE IN FEET
0 20 40 80

REVISION DATES

CONSTRUCTION STAGING PLAN
15TH STREET EXTENSION
STAGE 3

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		19-0006
CORRECTED:		DATE:		
VERIFIED:		DATE:		

15+00 DRAWING No. 19-0007



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

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

Jacobs

SCALE IN FEET
0 20 40 80

REVISION DATES

CONSTRUCTION STAGING PLAN
15TH STREET EXTENSION
STAGE 3 - ALTERNATE 1

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		19-0006A
CORRECTED:		DATE:		
VERIFIED:		DATE:		

MATCH LINE STA. 15+00 DRAWING No. 19-0007A

MATCH LINE STA. 15+00 DRAWING No. 19-0006

℄ 304+00

TIE TO EXISTING GRANITE CURB
STA. 302+70.18
OFF. 24.09' LT

TEMP BARRIER METHOD I
STA 301+90 TO 302+71

EXIST. WALL TO REMAIN

15+00 16+00 17+00 303+00

P.C. 16+15.13
P.T. 16+67.05

15TH STREET

302+00

EXIST. WALL TO REMAIN

PORTABLE IMPACT ATTENUATOR

301+00

TIE TO EXISTING GRANITE CURB
STA. 301+88.65
OFF. 24.26' LT

EXIST. R/W

SR 9/WEST PEACHTREE STREET

10' 10' 10' 9'

LL108 LL105

LIMIT OF CONSTRUCTION
STA. 302+70.18
SR 9/WEST PEACHTREE STREET

CENTERLINE INTERSECTION
STA. 17+95.38 ON 15TH STREET
= STA. 302+44.37 ON SR 9/WEST PEACHTREE STREET
N. 1378192.9269
E. 2229401.1588

END CONSTRUCTION
STA. 19+47.04

END PROJECT
PI 0015019
STA. 19+50.00
N. 1378178.2285
E. 2229554.2301

P.I. 18+62.59

19+00 20+00 21+00

EXIST. R/W

15TH STREET

P.C. 17+92.14

P.T. 19+31.68

LIMIT OF CONSTRUCTION
STA. 301+88.65
SR 9/WEST PEACHTREE STREET

N

LEGEND

- PAVEMENT REMOVAL
- TEMPORARY CONSTRUCTION PAVEMENT
- PERMANENT CONSTRUCTION
- CONCRETE MEDIAN CONSTRUCTION
- MILL & OVERLAY CONSTRUCTION
- OPEN LANES OF TRAFFIC

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

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

Jacobs

SCALE IN FEET
0 20 40 80

REVISION DATES

CONSTRUCTION STAGING PLAN
15TH STREET EXTENSION
STAGE 3

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		19-0007
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN

MATCH LINE STA. 15+00 DRAWING No. 19-0006A

304+00
303+00
302+00
301+00
15+00
16+00
17+00
18+00
19+00
20+00
21+00

TIE TO EXISTING GRANITE CURB
STA. 302+70.18
OFF. 24.09' LT

TEMP BARRIER METHOD I
STA 301+90 TO 302+71

EXIST. WALL TO REMAIN

EXIST. WALL TO REMAIN

PORTABLE IMPACT ATTENUATOR

TIE TO EXISTING GRANITE CURB
STA. 301+88.65
OFF. 24.26' LT

LIMIT OF CONSTRUCTION
STA. 302+70.18
SR 9/WEST PEACHTREE STREET

CENTERLINE INTERSECTION
STA. 17+95.38 ON 15TH STREET
= STA. 302+44.37 ON SR 9/WEST PEACHTREE STREET
N. 1378192.9269
E. 2229401.1588

LIMIT OF CONSTRUCTION
STA. 301+88.65
SR 9/WEST PEACHTREE STREET

END CONSTRUCTION
STA. 19+47.04

END PROJECT
PI 0015019
STA. 19+50.00
N. 1378178.2285
E. 2229554.2301

15TH STREET
15TH STREET

SR 9/WEST PEACHTREE STREET
SR 9/WEST PEACHTREE STREET

EXIST. R/W
EXIST. R/W
EXIST. R/W
EXIST. R/W
EXIST. R/W
EXIST. R/W
EXIST. R/W

P.C. 1792.14
P.T. 1631.68
P.I. 18+62.59

10' 10' 10' 9'
10' 10' 10' 9'

LL108
LL105

N

LEGEND

PAVEMENT REMOVAL
TEMPORARY CONSTRUCTION PAVEMENT
PERMANENT CONSTRUCTION
CONCRETE MEDIAN CONSTRUCTION
MILL & OVERLAY CONSTRUCTION
OPEN LANES OF TRAFFIC

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

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

Jacobs

SCALE IN FEET
0 20 40 80

REVISION DATES

CONSTRUCTION STAGING PLAN
15TH STREET EXTENSION
STAGE 3 - ALTERNATE 1

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		19-0007A
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN

LIMIT OF CONSTRUCTION
STA. 102+39.22
WILLIAMS STREET

103+00

CENTERLINE INTERSECTION
STA. 10+00.00 ON 15TH STREET
= STA. 101+90.86 ON WILLIAMS STREET
N. 1378183.6700
E. 2228606.5074

102+00

EXIST. WALL
TO REMAIN

BEGIN PROJECT
PI 0015019
STA. 10+00.00
N. 1378183.6700
E. 2228606.5074

101+00

LIMIT OF CONSTRUCTION
STA. 101+32.30
WILLIAMS STREET

20 PROPOSED SIGNAL
W/ MAST ARMS

WILLIAMS STREET

ONLY

11' 12'

EXIST R/W

CONC. DRIVE

PERMANENT MAINTENANCE OF SLOPE EASEMENT

10+00 11+00 12+00 13+00

REQ'D R/W

P.I. 13+00.00

CENTERLINE INTERSECTION
STA. 13+40.98 ON 15TH STREET
= STA. 201+93.53 ON
SR 950/SPRING STREET
N. 1378180.1155
E. 2228947.4716

203+00

201+00

LEGEND

PAVEMENT REMOVAL
TEMPORARY CONSTRUCTION PAVEMENT
PERMANENT CONSTRUCTION
CONCRETE MEDIAN CONSTRUCTION
MILL & OVERLAY CONSTRUCTION
OPEN LANES OF TRAFFIC

LIMIT OF MILL/INLAY
STA. 201+29.87
SR 950/SPRING STREET

LIMIT OF CONSTRUCTION
STA. 201+29.87
SR 950/SPRING STREET

9' 10' 10'

SR 950/SPRING STREET

LIMIT OF CONSTRUCTION
STA. 202+88.43
SR 950/SPRING STREET

LIMIT OF MILL/INLAY
STA. 202+88.43
SR 950/SPRING STREET

14+00 15+00

P.I. 14+00.00

15TH STREET

CONC. PARKING EXIT ONLY

CONC. GARAGE EXIT

6"DIP

CV

FDC

10"DIP

CONC.

EXIST R/W

MATCH LINE 15TH STREET STA. 15+00 DRAWING No. 19-0009

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

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

Jacobs

SCALE IN FEET
0 20 40 80

REVISION DATES

CONSTRUCTION STAGING PLAN

15TH STREET EXTENSION

STAGE 4

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		19-0008
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN

MATCH LINE STA. 15+00 DRAWING No. 19-0008

304+00 303+00 302+00 301+00

15+00 16+00 17+00 18+00 19+00 20+00

EXIST. WALL TO REMAIN

STUB OUT 12" PIPE HDPE

12" PIPE HDPE

C-3A C-3 C-4 C-5.1 C-5

P.C. 16+15.13 P.T. 16+67.05

S 89°40'12.6" E 15TH STREET

18" 18"

CONCRETE COLLAR FOR DEFLECTING PIPE GA STD 9031U

S 84°22'47.4" E

DW 2 +9X

P.I. 17+41.71

EXIST. WALL TO REMAIN

PIPE TO BE INSTALLED BY OTHERS

EXIST R/W

SR 9/WEST PEACHTREE STREET

N00°22'18.1"E

10' 10' 10' 9'

LL108 LL105

P.C. 17+92.14

N00°22'18.1"E

EXIST R/W

SR 9/WEST PEACHTREE STREET

LIMIT OF CONSTRUCTION
STA. 301+88.65
SR 9/WEST PEACHTREE STREET

LIMIT OF CONSTRUCTION
STA. 302+70.18
SR 9/WEST PEACHTREE STREET

CENTERLINE INTERSECTION
STA. 17+95.38 ON 15TH STREET
= STA. 302+44.37 ON SR 9/WEST PEACHTREE STREET
N. 1378192.9269
E. 2229401.1588

END CONSTRUCTION
STA. 19+47.04

END PROJECT
PI 0015019
STA. 19+50.00
N. 1378178.2285
E. 2229554.2301

P.I. 18+62.59

EXIST R/W

15TH STREET

S 76°07'13.4" E

P.T. 19+31.68

EXIST. R/W

EXIST. R/W

N

LEGEND

- PAVEMENT REMOVAL
- TEMPORARY CONSTRUCTION PAVEMENT
- ℄ PERMANENT CONSTRUCTION
- CONCRETE MEDIAN CONSTRUCTION
- MILL & OVERLAY CONSTRUCTION
- OPEN LANES OF TRAFFIC

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

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

Jacobs

SCALE IN FEET
0 20 40 80

REVISION DATES

CONSTRUCTION STAGING PLAN

15TH STREET EXTENSION

STAGE 4

CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	19-0009
VERIFIED:		DATE:	

10/23/2015 GPLN

TOTAL PROJECT AREA = 2.255 AC
TOTAL DISTURBED AREA = 1.520 AC

RECEIVING WATERS - TANYARD BRANCH

IMPAIRED WATERS: TANYARD BRANCH (4a for FC); but neither are BIO F or BIO M.

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

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

Jacobs

SCALE IN FEET
0 200 400 800

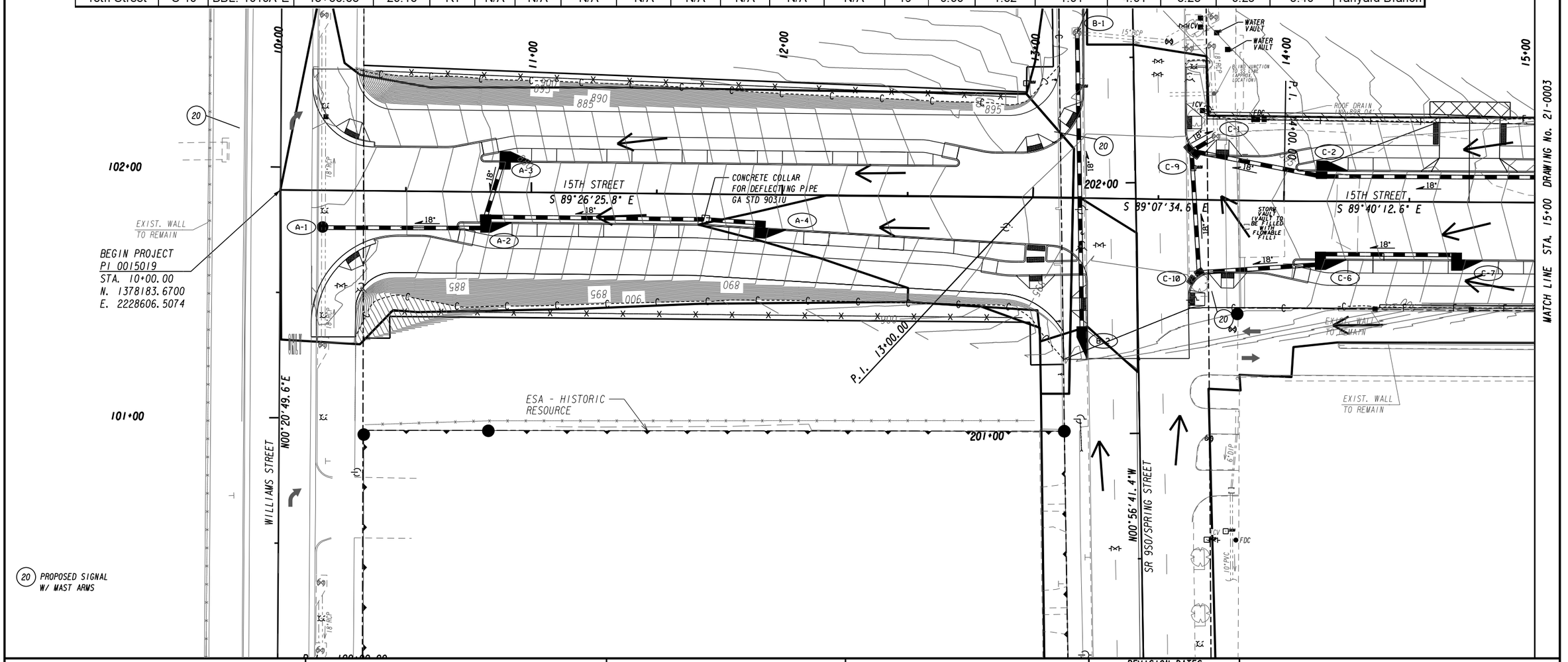
REVISION DATES

DRAINAGE AREA MAP
15TH STREET EXTENSION

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

10/23/2015 GPLN

STRUCTURE INFORMATION						EXISTING								PROPOSED								
Alignment	Structure ID	Structure Type	Station	Offset	Side	Size	C	Q_{25} (ft^3/s)	Q_{50} (ft^3/s)	V_{25} (ft/s)	V_{50} (ft/s)	Area (ac)	Spread (ft)	Size	C	Q_{25} (ft^3/s)	Q_{50} (ft^3/s)	V_{25} (ft/s)	V_{50} (ft/s)	Area (ac)	Spread (ft)	Receiving Water
15th Street	A-1	1011A	10+17.31	14.91	RT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Tanyard Branch
15th Street	A-2	ATL "C"	10+81.74	14.26	RT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18"	0.90	3.24	4.06	10.94	12.34	0.10	4.99	Tanyard Branch
15th Street	A-3	ATL "C"	10+89.19	14.15	LT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18"	0.90	1.70	2.23	9.58	10.42	0.11	3.79	Tanyard Branch
15th Street	A-4	ATL "C"	11+68.61	14.34	RT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18"	0.90	0.65	0.89	6.36	7.03	0.09	3.56	Tanyard Branch
Spring Street	B-1	ATL "C"	202+60.08	22.28	LT	15"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	15"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Tanyard Branch
Spring Street	B-2	ATL "C"	201+40.89	22.37	LT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18"	0.90	1.63	2.09	6.28	6.75	0.23	7.44	Tanyard Branch
15th Street	C-1	1011A	13+72.59	25.43	LT	18"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Tanyard Branch
15th Street	C-2	ATL "C"	14+14.90	14.06	LT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18"	0.90	4.64	6.26	10.74	11.70	0.11	5.72	Tanyard Branch
15th Street	C-6	ATL "C"	14+14.64	25.27	RT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18"	0.90	1.44	1.83	4.87	4.83	0.08	4.61	Tanyard Branch
15th Street	C-7	ATL "C"	14+68.98	25.18	RT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18"	0.90	0.88	1.16	5.85	6.36	0.13	5.14	Tanyard Branch
15th Street	C-9	DBL. 1019A-E	13+62.91	19.37	LT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18"	0.90	2.74	3.57	9.56	10.30	0.16	5.67	Tanyard Branch
15th Street	C-10	DBL. 1019A-E	13+66.68	29.16	RT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18"	0.90	1.52	1.91	4.91	5.23	0.25	5.40	Tanyard Branch



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

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

Jacobs

SCALE IN FEET
0 20 40 80

REVISION DATES

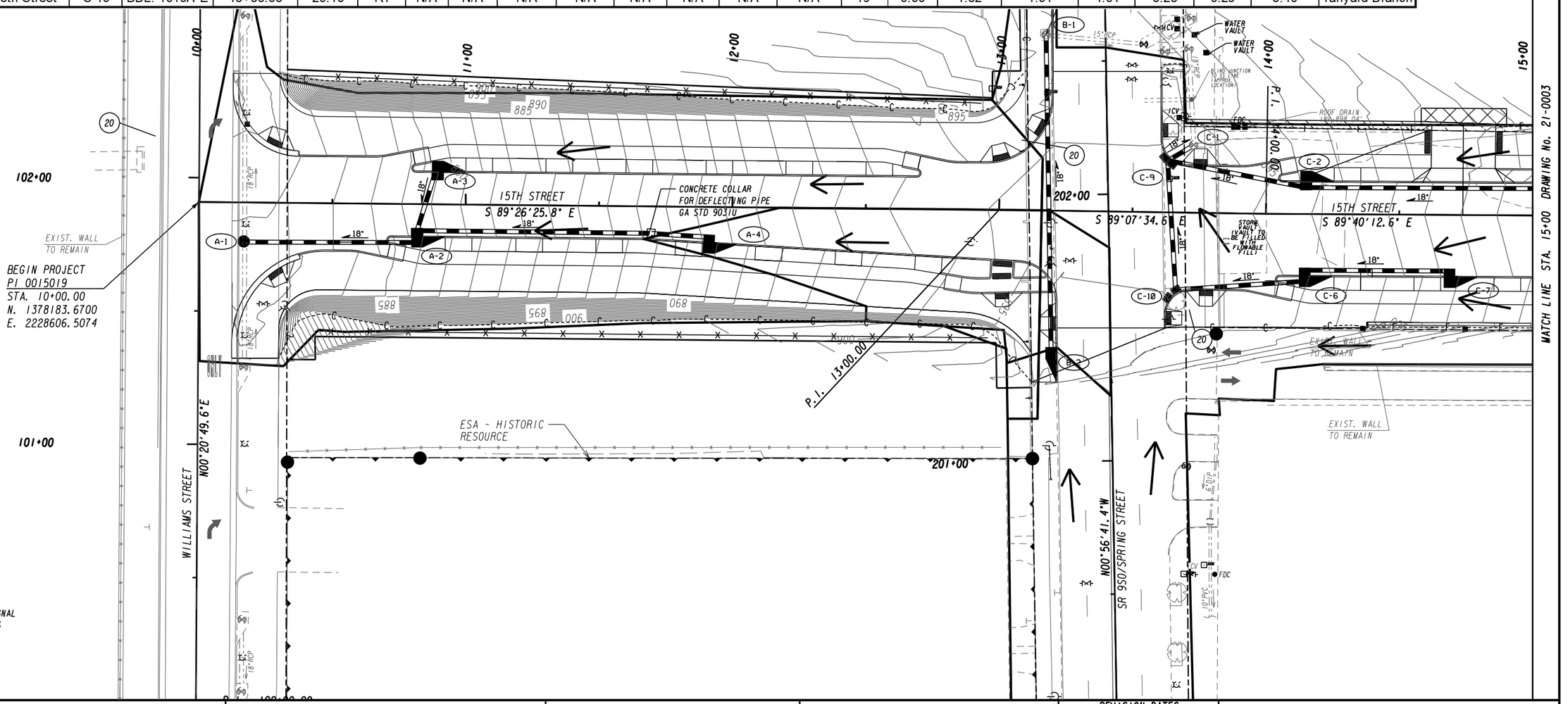
DRAINAGE AREA MAP
15TH STREET EXTENSION

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

15+00 DRAWING No. 21-0003

10/23/2015 GPLN

STRUCTURE INFORMATION						EXISTING								PROPOSED							
Alignment	Structure ID	Structure Type	Station	Offset	Side	Size	C	Q_{25} (ft^3/s)	Q_{50} (ft^3/s)	V_{25} (ft/s)	V_{50} (ft/s)	Area (ac)	Spread (ft)	Size	C	Q_{25} (ft^3/s)	Q_{50} (ft^3/s)	V_{25} (ft/s)	V_{50} (ft/s)	Area (ac)	Spread (ft)	Receiving Water
15th Street	A-1	1011A	10+17.31	14.91	RT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Tanyard Branch
15th Street	A-2	ATL "C"	10+81.74	14.26	RT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18"	0.90	3.24	4.06	10.94	12.34	0.10	4.99	Tanyard Branch
15th Street	A-3	ATL "C"	10+89.19	14.15	LT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18"	0.90	1.70	2.23	9.58	10.42	0.11	3.79	Tanyard Branch
15th Street	A-4	ATL "C"	11+68.61	14.34	RT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18"	0.90	0.65	0.89	6.36	7.03	0.09	3.56	Tanyard Branch
Spring Street	B-1	ATL "C"	202+60.08	22.28	LT	15"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	15"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Tanyard Branch
Spring Street	B-2	ATL "C"	201+40.89	22.37	LT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18"	0.90	1.63	2.09	6.28	6.75	0.23	7.44	Tanyard Branch
15th Street	C-1	1011A	13+72.59	25.43	LT	18"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Tanyard Branch
15th Street	C-2	ATL "C"	14+14.90	14.06	LT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18"	0.90	4.64	6.26	10.74	11.70	0.11	5.72	Tanyard Branch
15th Street	C-6	ATL "C"	14+14.64	25.27	RT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18"	0.90	1.44	1.83	4.87	4.83	0.08	4.61	Tanyard Branch
15th Street	C-7	ATL "C"	14+68.98	25.18	RT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18"	0.90	0.88	1.16	5.85	6.36	0.13	5.14	Tanyard Branch
15th Street	C-9	DBL. 1019A-E	13+62.91	19.37	LT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18"	0.90	2.74	3.57	9.56	10.30	0.16	5.67	Tanyard Branch
15th Street	C-10	DBL. 1019A-E	13+66.68	29.16	RT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18"	0.90	1.52	1.91	4.91	5.23	0.25	5.40	Tanyard Branch



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
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BEGIN LIMIT OF ACCESS.....BLA
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REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

Jacobs

SCALE IN FEET
0 20 40 80

REVISION DATES

DRAINAGE AREA MAP
15TH STREET EXTENSION
ALTERNATE 1

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

STRUCTURE INFORMATION						EXISTING								PROPOSED							
Alignment	Structure ID	Structure Type	Station	Offset	Side	Size	C	Q_{25} (ft^3/s)	Q_{50} (ft^3/s)	V_{25} (ft/s)	V_{50} (ft/s)	Area (ac)	Spread (ft)	Size	C	Q_{25} (ft^3/s)	Q_{50} (ft^3/s)	V_{25} (ft/s)	V_{50} (ft/s)	Area (ac)	Spread (ft)	Receiving Water
15th Street	C-3	ATL "C"	14+99.52	11.00	LT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18"	0.90	3.72	4.99	10.80	11.76	0.17	5.64	Tanyard Branch
15th Street	C-4	ATL "C"	15+88.67	11.00	LT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18"	0.90	2.67	3.69	10.67	11.71	0.12	4.34	Tanyard Branch
15th Street	C-5	ATL "C"	16+77.97	14.14	LT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18"	0.85	1.55	1.94	9.74	10.43	0.28	5.23	Tanyard Branch

MATCH LINE STA. 15+00 DRAWING No. 21-0002

304+00 303+00 302+00 301+00

LL108 LL105

EXIST. WALL TO REMAIN

STUB OUT 12" PIPE HDPE

12" PIPE HDPE

C-3A C-3 C-4 C-5.1 C-5

S 89°40'12.6" E

18" 15TH STREET 18"

CONCRETE COLLAR FOR DEFLECTING PIPE STD 9031U

N 84°22'47.4" E

P.I. 16+67.05

P.C. 15+41.13

15+00 16+00 17+00 18+00 19+00 20+00 21+00

N00°22'18.1"E 792.14

P.I. 18+62.59

P.T. 19+31.68

15TH STREET

S 76°07'13.1" E

SR 9/WEST PEACHTREE STREET

UTILITIES

EXIST. WALL TO REMAIN

FDC

PIPE TO BE INSTALLED BY OTHERS

18" RCP 30" RCP 24" RCP 15" RCP 12" DIP

N

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
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REQ'D LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

Jacobs

SCALE IN FEET
0 20 40 80

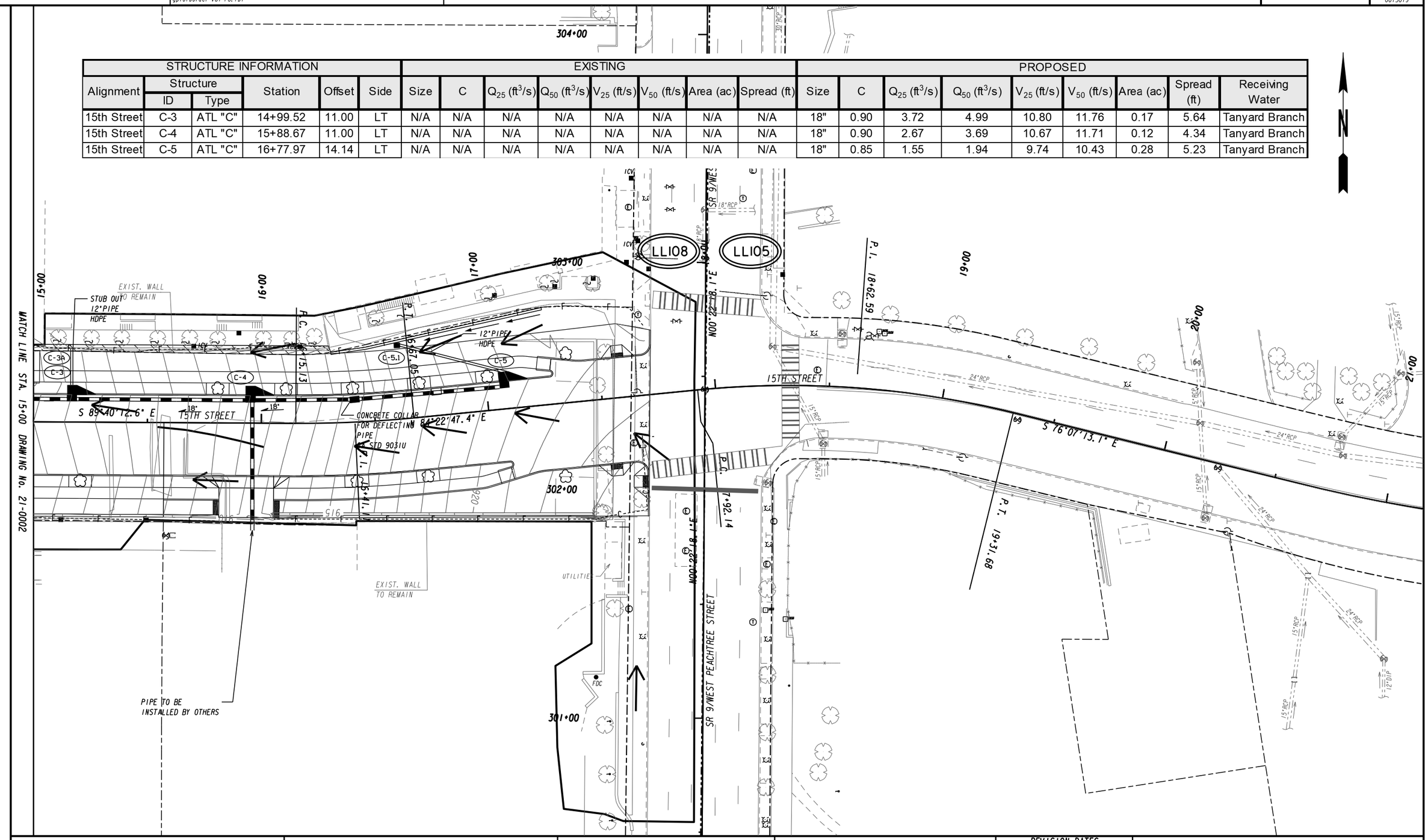
REVISION DATES

DRAINAGE AREA MAP
15TH STREET EXTENSION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		21-0003
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN

STRUCTURE INFORMATION						EXISTING								PROPOSED							
Alignment	Structure ID	Structure Type	Station	Offset	Side	Size	C	Q_{25} (ft^3/s)	Q_{50} (ft^3/s)	V_{25} (ft/s)	V_{50} (ft/s)	Area (ac)	Spread (ft)	Size	C	Q_{25} (ft^3/s)	Q_{50} (ft^3/s)	V_{25} (ft/s)	V_{50} (ft/s)	Area (ac)	Spread (ft)	Receiving Water
15th Street	C-3	ATL "C"	14+99.52	11.00	LT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18"	0.90	3.72	4.99	10.80	11.76	0.17	5.64	Tanyard Branch
15th Street	C-4	ATL "C"	15+88.67	11.00	LT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18"	0.90	2.67	3.69	10.67	11.71	0.12	4.34	Tanyard Branch
15th Street	C-5	ATL "C"	16+77.97	14.14	LT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18"	0.85	1.55	1.94	9.74	10.43	0.28	5.23	Tanyard Branch



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
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Jacobs

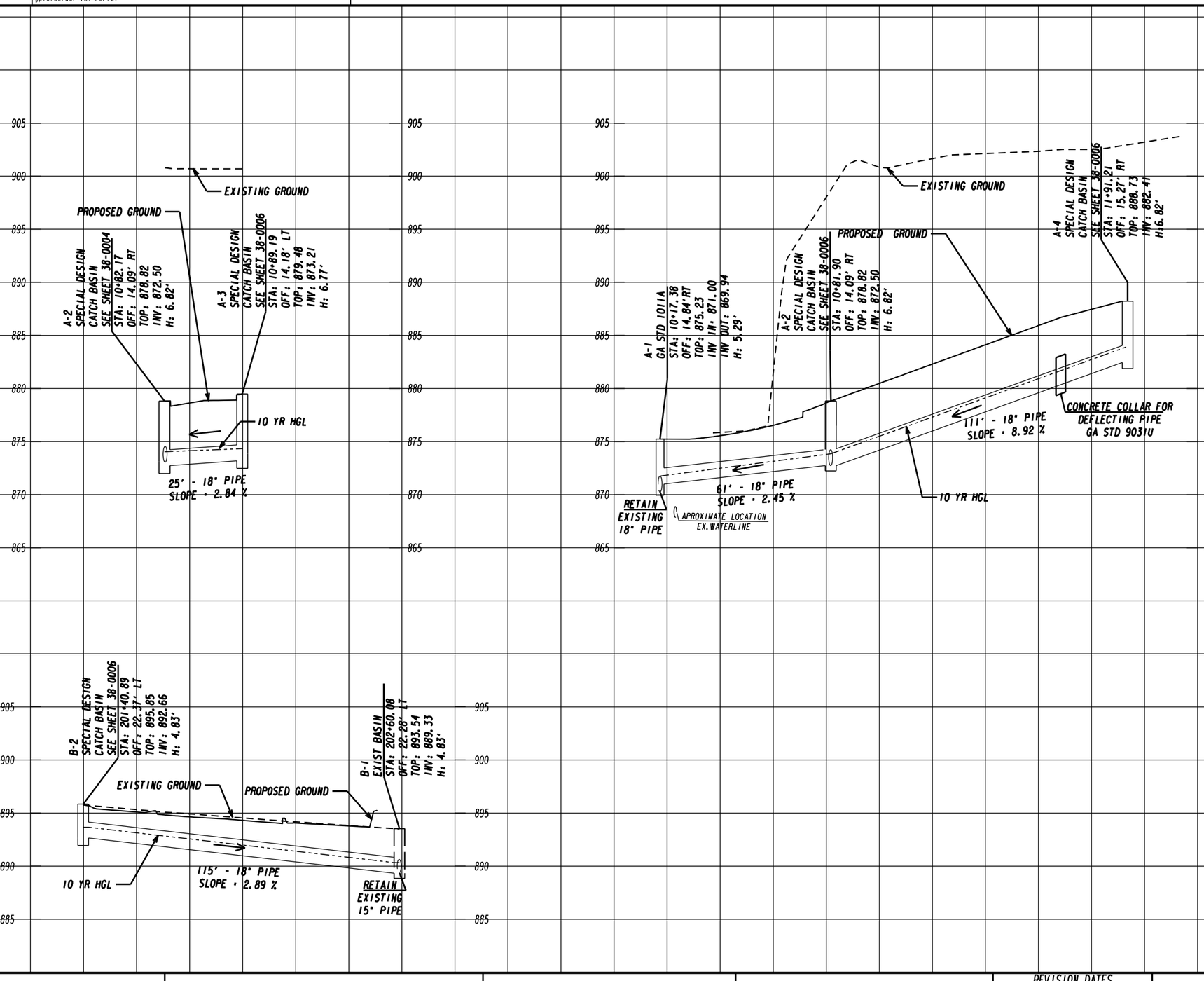
SCALE IN FEET
0 20 40 80

REVISION DATES

DRAINAGE AREA MAP
15TH STREET EXTENSION
ALTERNATE 1

CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	21-0003A
CORRECTED:		DATE:	
VERIFIED:		DATE:	

10/23/2015 GPLN



Jacobs

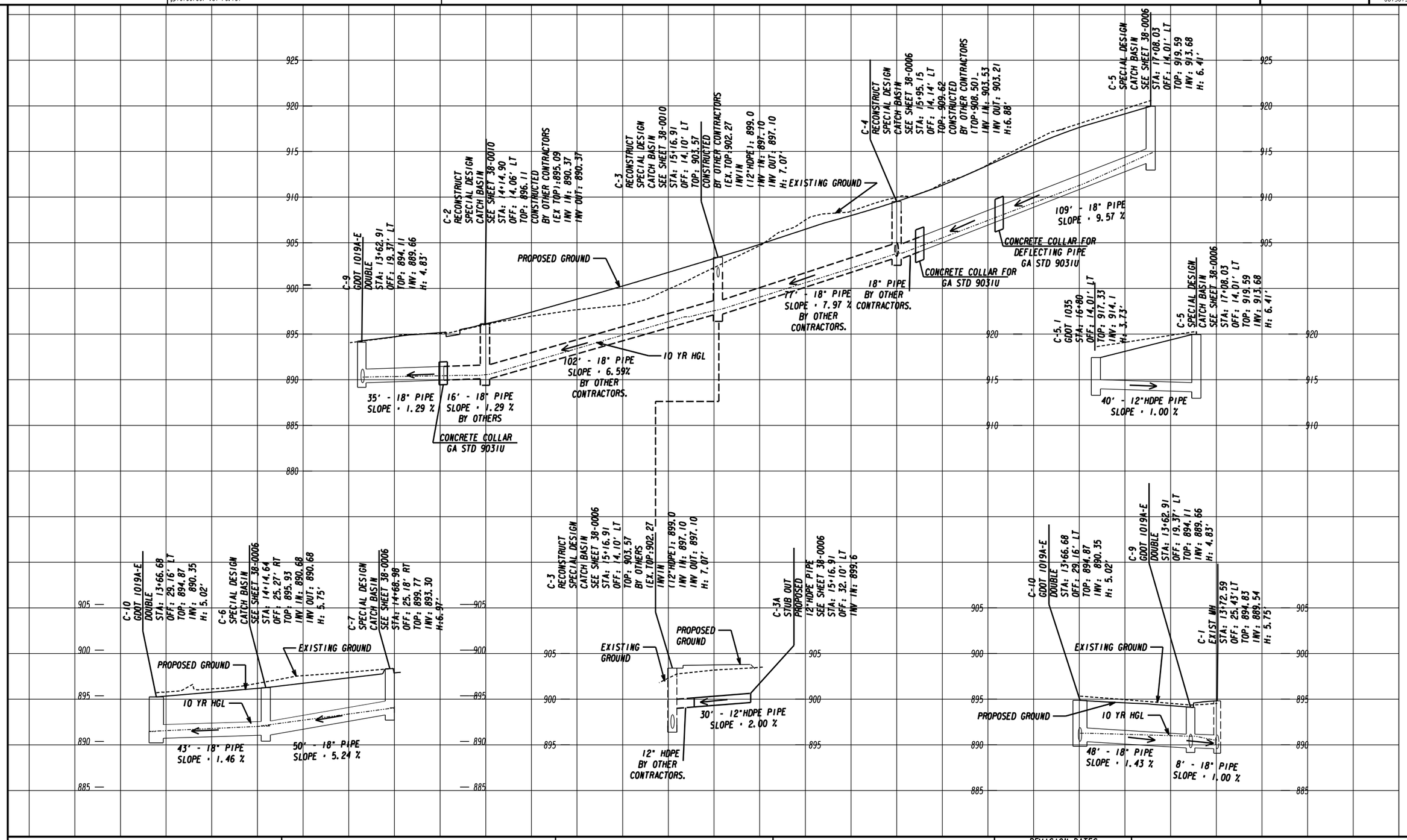
SCALE: 1" = 20' HORIZONTAL
1" = 5' VERTICAL

REVISION DATES

DRAINAGE PROFILES

15TH STREET EXTENSION

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



Jacobs

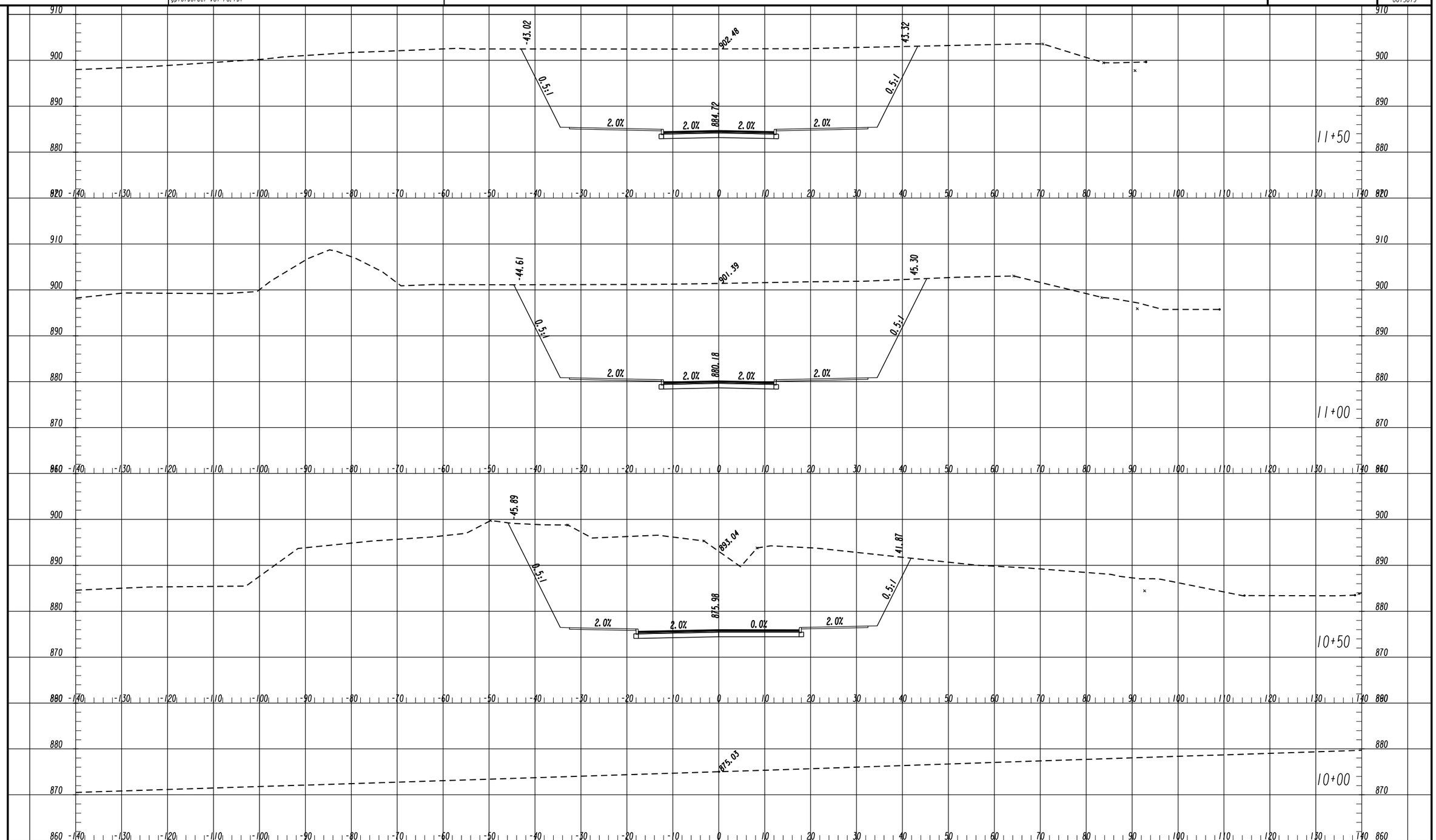
SCALE: 1" = 20' HORIZONTAL
1" = 5' VERTICAL

REVISION DATES
03-20-2023

DRAINAGE PROFILES

15TH STREET EXTENSION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		22-0002
CORRECTED:		DATE:		
VERIFIED:		DATE:		



Jacobs

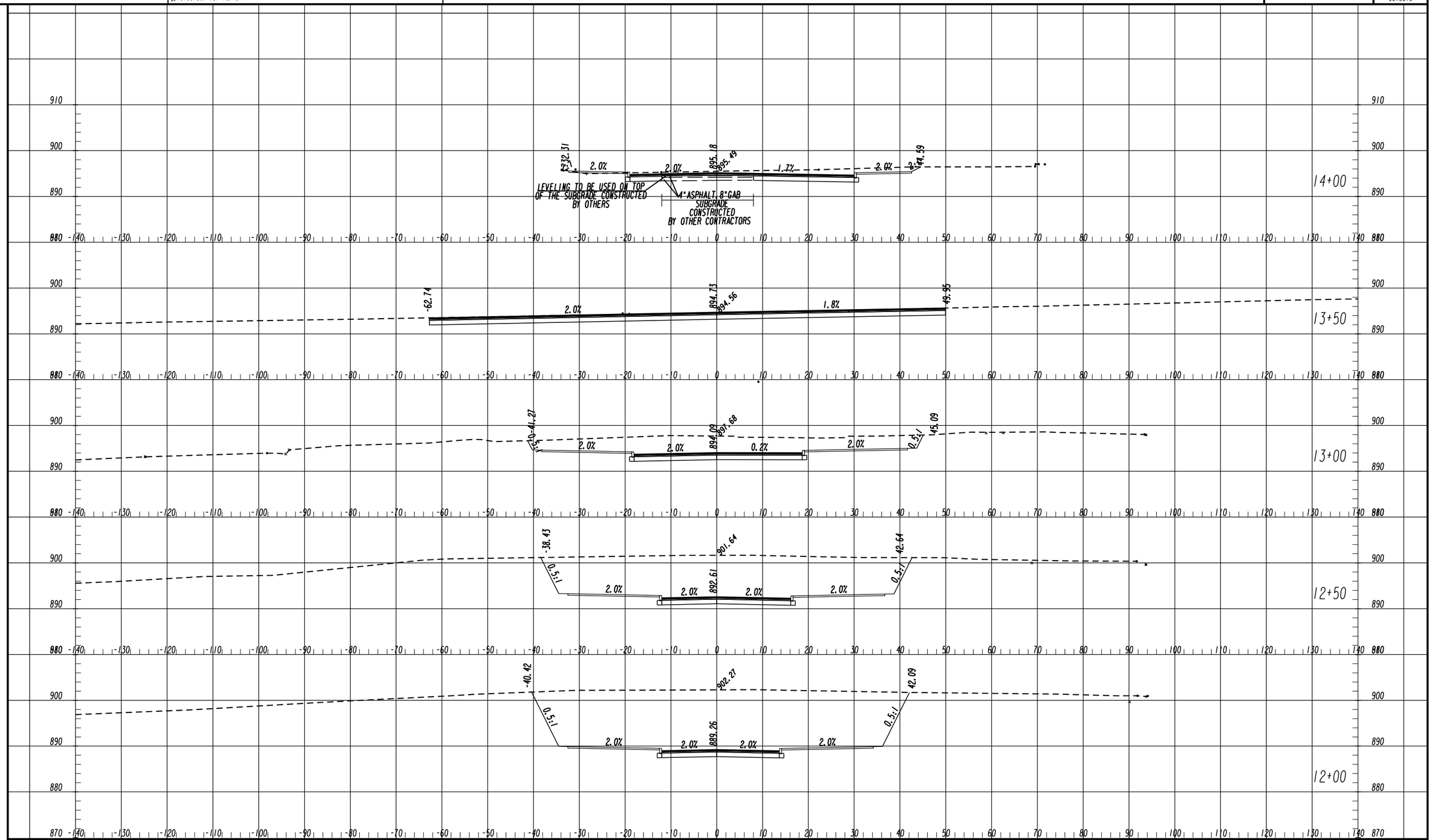
REVISION DATES

CROSS SECTIONS

15TH STREET EXTENSION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		23-0001
CORRECTED:		DATE:		
VERIFIED:		DATE:		

11/8/2018 SUXSEW



REVISION DATES		
03/20/2023		

Jacobs

CROSS SECTIONS

15TH STREET EXTENSION

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

11/8/2018 SUXSEW

CONTRACTOR WILL SAW CUT AND REMOVE 2 FT OF THE SIDEWALK CONSTRUCTED BY OTHER CONTRACTORS

EVERYTHING TO THE RIGHT OF THE LINE CONSTRUCTED BY OTHER CONTRACTORS

EXIST WALL

2'

-32.98 2:1 MAX 0.5% 2.9% 914.81 910.41 2.9% 2.0%

FILL AREA CONSTRUCTED BY OTHER CONTRACTORS

16+50

-33.51 2:1 2.0% 2.1% 909.66 909.29 2.1% 0.0%

LEVELING TO BE USED ON TOP OF THE SUBGRADE CONSTRUCTED BY OTHERS

4" ASPHALT, 8" GAB SUBGRADE CONSTRUCTED BY OTHER CONTRACTORS

SEE DRIVEWAY 2 PROFILE SHEET 17-0001

16+00

-31.73 2:1 2.0% 0.8% 905.70 906.34 0.8% 2.0%

WALL "1

LEVELING TO BE USED ON TOP OF THE SUBGRADE CONSTRUCTED BY OTHERS

4" ASPHALT, 8" GAB SUBGRADE CONSTRUCTED BY OTHER CONTRACTORS

15+50

-33.46 2:1 2.0% 2.0% 902.00 2.0% 2.0%

WALL "1

LEVELING TO BE USED ON TOP OF THE SUBGRADE CONSTRUCTED BY OTHERS

4" ASPHALT, 8" GAB SUBGRADE CONSTRUCTED BY OTHER CONTRACTORS

15+00

-32.30 2:1 2.0% 2.0% 898.30 897.57 2.0% 2.0%

WALL "1

LEVELING TO BE USED ON TOP OF THE SUBGRADE CONSTRUCTED BY OTHERS

4" ASPHALT, 8" GAB SUBGRADE CONSTRUCTED BY OTHER CONTRACTORS

14+50

ELEVATION

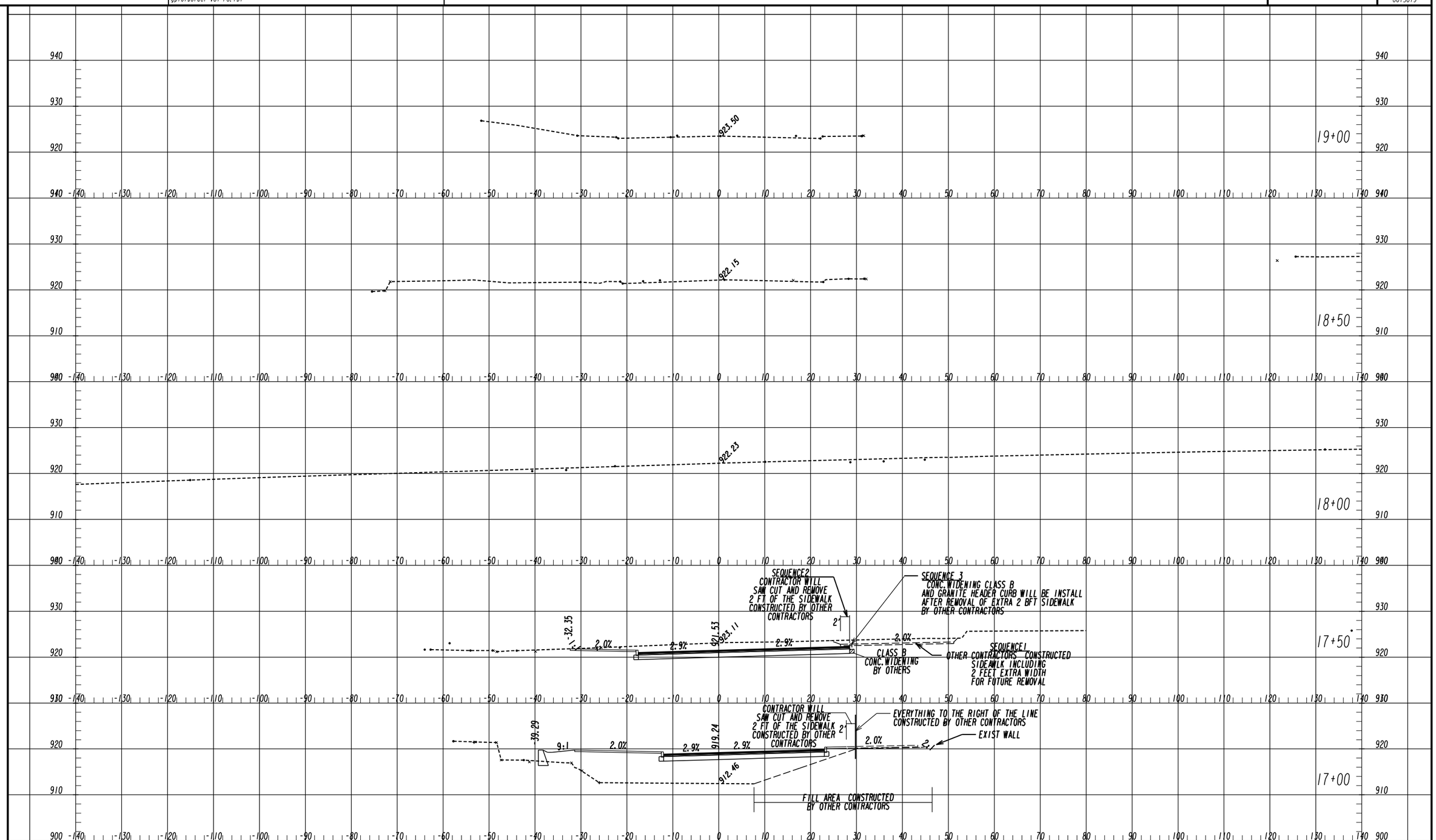
Jacobs

REVISION DATES
03/20/2023

CROSS SECTIONS

15TH STREET EXTENSION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		23-0003
CORRECTED:		DATE:		
VERIFIED:		DATE:		



Jacobs

REVISION DATES
03/20/2023

CROSS SECTIONS

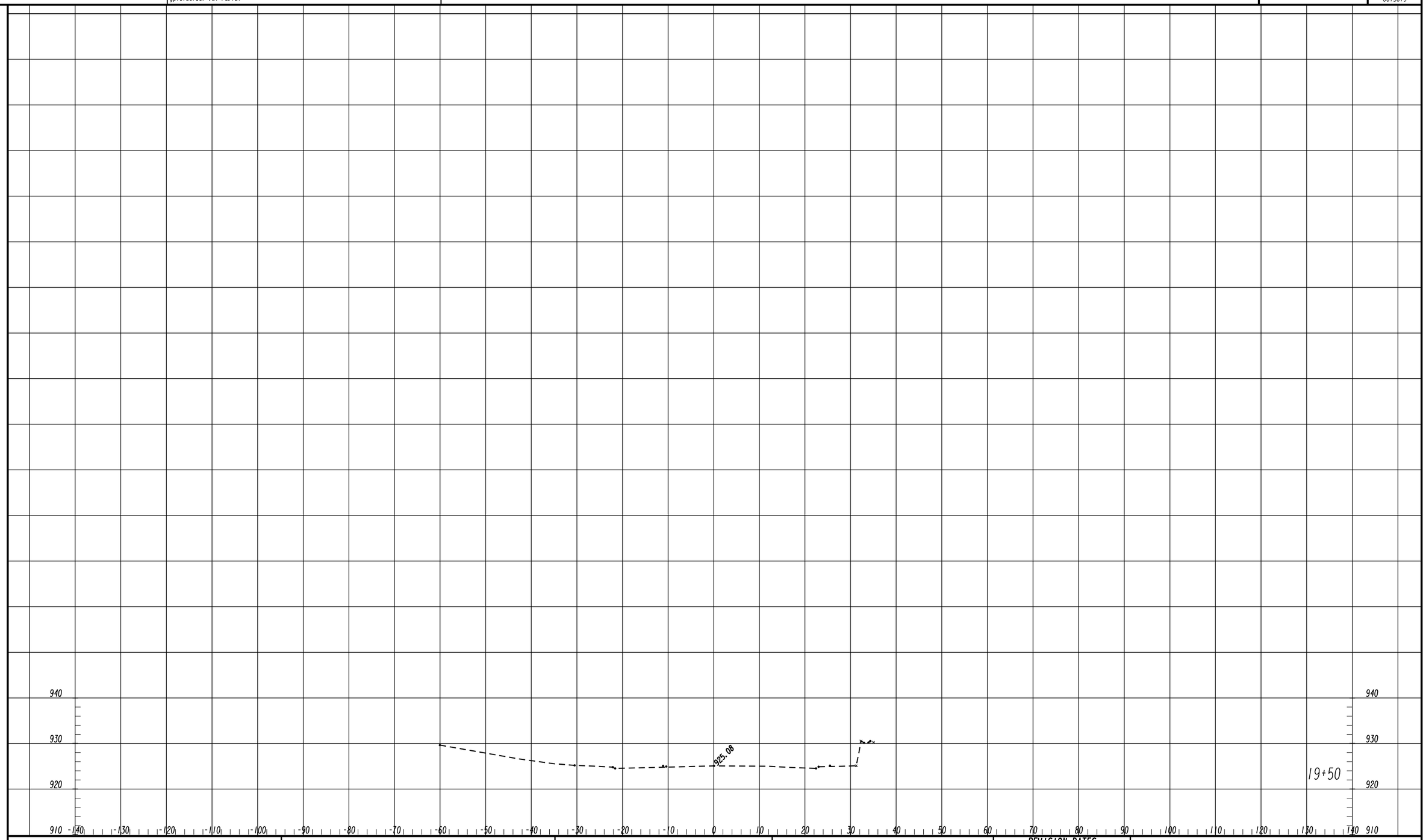
15TH STREET EXTENSION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		23-0004
CORRECTED:		DATE:		
VERIFIED:		DATE:		

11/8/2018 SUXSEW

1/13/2022 3:26:57 PM ThomasKG	GPLOT-V8 gplotborder-V8i-P0.tbl	0015019_23.DGN

P. I. No.
0015019



Jacobs

REVISION DATES		

CROSS SECTIONS

15TH STREET EXTENSION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		23-0005
CORRECTED:		DATE:		
VERIFIED:		DATE:		

11/8/2018 SUXSEW

UTILITY LINECODES

	EXISTING	TO BE REMOVED	PROPOSED	TYPE OF UTILITY
OVERHEAD	-W--E--W--E	-W-X-E--W-X-E	-W-E-W-	ELECTRIC
	-W--E-T--W--	-W-X-E-T-X-W--	-W-E-T-W-	ELECTRIC/TELECOMMUNICATIONS
	-W--E-TV--W-	-W-X-E-TV-X-W-	-W-E-TV-W-	ELECTRIC/CABLE TV
	-W--E-TC--W-	-W-X-E-TC-X-W-	-W-E-TC-W-	ELECTRIC/TRAFFIC CONTROL
	-W--E-T-TV---	-W-X-E-T-TV-X-	-W-E-T-TV-	ELECTRIC/TELECOMMUNICATIONS/CABLE TV
	-W--E-T-TV-TC--	-W-X-E-T-TV-TC-X-	-W-E-T-TV-TC-	ELECTRIC/TELECOMMUNICATIONS/CABLE TV/TRAFFIC CONTROL
	-W--E-TV-TC---	-W-X-E-TV-TC-X-	-W-E-TV-TC-	ELECTRIC/CABLE TV/TRAFFIC CONTROL
	-W--E-T-TC--W-	-W-X-E-T-TC-X-W-	-W-E-T-TC-	ELECTRIC/TELECOMMUNICATIONS/TRAFFIC CONTROL
	-W--GW--W--	-W-X-GW--W-X-	-W-GW-W-	GUY WIRE
	-W--T--W---	-W-X-T--W-X--	-W-T-W-	TELECOMMUNICATIONS
	-W--T-TC--W-	-W-X-T-TC-X-W-	-W-T-TC-W-	TELECOMMUNICATIONS/TRAFFIC CONTROL
	-W--T-TV-TC---	-W-X-T-TV-TC-X--	-W-T-TV-TC-	TELECOMMUNICATIONS/CABLE TV/TRAFFIC CONTROL
	-W--T-TV--W-	-W-X-T-TV-X-W-	-W-T-TV-W-	TELECOMUNICATIONS/CABLE TV
	-W--TV--W--	-W-X-TV--W-X-	-W-TV-W-	CABLE TV
	-W--TV-TC--W	-W-X-TV-TC-X-W	-W-TV-TC-W	CABLE TV/TRAFFIC CONTROL
	-W--TC--W--	-W-X-TC--W-X-	-W-TC-W-	TRAFFIC CONTROL
UNDERGROUND	------E-------	---X--E---X--	----E----	ELECTRIC (QL-D)
	-----E(C)------	---X--E(C)--X--		ELECTRIC (QL-C)
	-----E(B)------	---X--E(B)--X--		ELECTRIC (QL-B)
	------T-------	---X--T----X--	----T----	TELECOMMUNICATIONS (QL-D)
	-----T(C)------	---X-T(C)---X--		TELECOMMUNICATIONS (QL-C)
	-----T(B)------	---X-T(B)---X--		TELECOMMUNICATIONS (QL-B)
	-----TV-------	---X--TV----X--	----TV----	CABLE TV (QL-D)
	-----TV(C)------	---X--TV(C)--X--		CABLE TV (QL-C)
	-----TV(B)------	---X--TV(B)--X--		CABLE TV (QL-B)
	------W-------	---X--W----X--	----W----	WATER (QL-D)
	-----W(C)------	---X-W(C)---X--		WATER (QL-C)
	-----W(B)------	---X-W(B)---X--		WATER (QL-B)
	=====**W=====	===X=**W==X==	====**W====	WATER FOR LABELED PIPE SIZES (QL-D)
	=====**W(C)=====	===X=**W(C)=X==		WATER FOR LABELED PIPE SIZES (QL-C)
	=====**W(B)=====	===X=**W(B)=X==		WATER FOR LABELED PIPE SIZES (QL-B)
	-----NW------	---X--NW----X-	----NW----	NON-POTABLE WATER (QL-D)
	-----NW(C)-----	---X--NW(C)--X-		NON-POTABLE WATER (QL-C)
	-----NW(B)-----	---X--NW(B)--X-		NON-POTABLE WATER (QL-B)
	=====**NW=====	===X=**NW==X=	====**NW====	NON-POTABLE WATER FOR LABELED PIPE SIZES (QL-D)
	=====**NW(C)=====	===X=**NW(C)=X=		NON-POTABLE WATER FOR LABELED PIPE SIZES (QL-C)
	=====**NW(B)=====	===X=**NW(B)=X=		NON-POTABLE WATER FOR LABELED PIPE SIZES (QL-B)
	-----STM------	---X--STM---X--	----STM----	STEAM (QL-D)
	-----STM(C)----	---X--STM(C)--X-		STEAM (QL-C)
	-----STM(B)----	---X--STM(B)--X-		STEAM (QL-B)
	=====**STM====	===X=**STM=X===	====**STM====	STEAM FOR LABELED PIPE SIZES (QL-D)
	=====**STM(C)===	===X=**STM(C)=X==		STEAM FOR LABELED PIPE SIZES (QL-C)
	=====**STM(B)===	===X=**STM(B)=X==		STEAM FOR LABELED PIPE SIZES (QL-B)
	-----SS------	---X--SS---X--	----SS----	SANITARY SEWER WITH FLOW DIRECTION (QL-D)
	-----SS(C)-----	---X--SS(C)--X-		SANITARY SEWER WITH FLOW DIRECTION (QL-C)
	-----SS(B)-----	---X--SS(B)--X-		SANITARY SEWER WITH FLOW DIRECTION (QL-B)
	=====Σ**SS====	===X=Σ**SS=X===	====Σ**SS====	SANITARY SEWER WITH FLOW DIRECTION FOR LABELED PIPE SIZES (QL-D)
	=====Σ**SS(C)===	===X=Σ**SS(C)=X==		SANITARY SEWER WITH FLOW DIRECTION FOR LABELED PIPE SIZES (QL-C)
	=====Σ**SS(B)===	===X=Σ**SS(B)=X==		SANITARY SEWER WITH FLOW DIRECTION FOR LABELED PIPE SIZES (QL-B)
	-----SFM------	---X--SFM---X--	----SFM----	SANITARY SEWER FORCE MAIN WITH FLOW DIRECTION (QL-D)
	-----SFM(C)-----	---X--SFM(C)--X-		SANITARY SEWER FORCE MAIN WITH FLOW DIRECTION (QL-C)
	-----SFM(B)-----	---X--SFM(B)--X-		SANITARY SEWER FORCE MAIN WITH FLOW DIRECTION (QL-B)
	------G-------	---X--G----X--	----G----	GAS (QL-D)
	-----G(C)------	---X-G(C)---X--		GAS (QL-C)
	-----G(B)------	---X-G(B)---X--		GAS (QL-B)
	=====**G=====	===X=**G==X==	====**G====	GAS FOR LABELED PIPE SIZES (QL-D)
	=====**G(C)=====	===X=**G(C)=X==		GAS FOR LABELED PIPE SIZES (QL-C)
	=====**G(B)=====	===X=**G(B)=X==		GAS FOR LABELED PIPE SIZES (QL-B)
	------P-------	---X--P----X--	----P----	PETROLEUM (QL-D)
	-----P(C)------	---X--P(C)--X--		PETROLEUM (QL-C)
	-----P(B)------	---X--P(B)--X--		PETROLEUM (QL-B)
	=====**P=====	===X=**P==X==	====**P====	PETROLEUM FOR LABELED PIPE SIZES (QL-D)
	=====**P(C)=====	===X=**P(C)=X==		PETROLEUM FOR LABELED PIPE SIZES (QL-C)
	=====**P(B)=====	===X=**P(B)=X==		PETROLEUM FOR LABELED PIPE SIZES (QL-B)
	------TC------	FOR PROPOSED/TEMPORARY TRAFFIC CONTROL INFORMATION REFER TO TRAFFIC SIGNAL PLANS		TRAFFIC CONTROL (QL-D)
	------TC(C)-----			TRAFFIC CONTROL (QL-C)
	------TC(B)-----			TRAFFIC CONTROL (QL-B)
	-----UNK(B)----	--X--UNK(B)-X--		UNKNOWN UTILITY FOUND IN SUE INVESTIGATION (QL-B)

UTILITY SYMBOLS

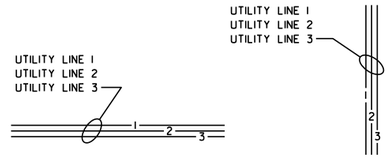
EXISTING	PROPOSED	TEMPORARY	
			UTILITY POLE/GUY POLE
			LIGHT POLE
			GUY ANCHOR
M	M	M	MARKER
X	X	X	SPLICE BOX
			CABINET
			VENT
E	E	E	ELECTRIC MANHOLE
H	H	H	HAND HOLE
E	E	E	TRANSFORMER
E	E	E	ELECTRIC METER
E	E	E	ELECTRIC BOX
T	T	T	TELECOMMUNICATIONS MANHOLE
T	T	T	TELECOMMUNICATIONS PEDESTAL
SLC	SLC	SLC	SUBCRIBER LOOP CARRIER (aka "SLICK")
			PHONE BOOTH
			CABLE TV PEDESTAL
TV	TV	TV	CABLE TV MANHOLE
W	W	W	WATER VALVE
W	W	W	WATER METER
W	W	W	WATER MANHOLE
			FIRE HYDRANT ASSEMBLY (INCLUDES ASSOCIATED VALVE)
BFP	BFP	BFP	BACKFLOW PREVENTER
PIV	PIV	PIV	PRESSURE INDICATOR VALVE
ARV	ARV	ARV	AIR RELEASE VALVE
W	W	W	WELL
W	W	W	WATER VAULT
			WATER VALVE MARKER
			STAND PIPE

EXISTING	PROPOSED	TEMPORARY	
			CLEANOUT
SS	SS	SS	SANITARY SEWER MANHOLE
ARV	ARV	ARV	AIR RELEASE VALVE
GT	GT	GT	GREASE TRAP
S	S	S	SANITARY SEWER FORCE MAIN VALVE
G	G	G	GAS VALVE
G	G	G	GAS METER
G	G	G	GAS MANHOLE
GPR	GPR	GPR	GAS PRESSURE REGULATOR
G	G	G	GAS VAULT
GTS	GTS	GTS	GAS TEST STATION
P	P	P	PETROLEUM VALVE
P			PETROLEUM MANHOLE
TC	FOR PROPOSED/TEMPORARY TRAFFIC CONTROL INFORMATION REFER TO TRAFFIC SIGNAL PLANS		TRAFFIC CONTROL MANHOLE/ ELECTRIC COMMUNICATIONS BOX
			TRAFFIC CONTROL PEDESTRIAN SIGNAL/BUTTON POST
			TRAFFIC CONTROL HAND HOLE/ PULL BOX
			TRAFFIC CONTROL CABINET

MISCELLANEOUS

LOS TH	LIMITS OF OVERHEAD AND SUBSURFACE UTILITY INVESTIGATION
	TEST HOLE (QL-A ONLY)
EOI	END OF INFORMATION
	QUALITY LEVEL (QL) DELINEATION
123	POLE ID
A01	SANITARY SEWER MANHOLE (SSMH) ID
C123	CONFLICT LOCATION (UTILITY IMPACT ANALYSIS (UIA) ONLY)
	END OF UTILITY

MULTI-UTILITY IDENTIFICATION



ABBREVIATIONS

MANHOLE = LENGTH x WIDTH x DEPTH		SD	SPLIT DUCT	CONC	CONCRETE
MH	MANHOLE	DBC	DIRECT BURIED CABLE	APPROX.	APPROXIMATE
SVC	SERVICE, UNKNOWN SIZE/TYPE	DIP	DUCTILE IRON PIPE	S/L	SITE LIGHT, UNK SIZE/TYPE
UNK	UNKNOWN SIZE/TYPE	CIP	CAST IRON PIPE		COSTED STEEL
UNK	UNKNOWN SIZE	RCP	REINFORCED CONCRETE PIPE	CS	SIDE TURN
ABAND.	ABANDONED	TCP	TERRA COTTA PIPE	STV	VALVE
IRR.	IRRIGATION, UNKNOWN SIZE/TYPE	ACP	ASBESTOS CONCRETE PIPE		AIR RELEASE
ICV	IRRIGATION CONTROL VALVE	VCP	VITRIFIED CLAY PIPE	ARV	VALVE
ICB	IRRIGATION CONTROL BOX	PE	POLYETHYLENE		MECHANICAL
FOC	FIBER OPTIC CABLE	PVC	POLY VINYL CHLORIDE	MJ	JOINT, TYPE
PR	TELEPHONE PAIR SIZE	GRND	GROUND WIRE		OF DUCTILE
STR	FIBER STRAND SIZE	3PH	3 PHASE		IRON
STD	SINGLE TILE DUCT	PVT	PRIVATE		LANDSCAPE
MTD	MULTIPLE TILE DUCT	GALV	GALVANIZED	LSL	LIGHT
MCD	MULTIPLE CONCRETE DUCT	TRAN	TRANSITE		
TRD	TRANSITE (ASBESTOS) DUCT	PLA	PLASTIC		
SCPD	SINGLE CREOSOTE PINE DUCT	ATMS	AUTOMATED TRAFFIC MANAGEMENT SYSTEM		

QUALITY LEVELS AND DEFINITIONS

QL-D DEPICTED ACCORDING TO UTILITY RECORD INFORMATION AND IN-FIELD VISUAL INSPECTION. NO ELECTRONIC DESIGNATING INFORMATION WAS OBTAINED.

QL-C EXISTING UTILITY STRUCTURES HAVE BEEN FIELD LOCATED AND SURVEYED TO ASSIST IN DEPICTING THE UTILITIES SHOWN ON RECORDS. NO ELECTRONIC DESIGNATING INFORMATION WAS OBTAINED.

QL-B INFORMATION WAS OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE AND APPROPRIATE HORIZONTAL POSITION OF THE SUBSURFACE UTILITIES. QL-B DATA SHOULD BE REPRODUCIBLE BY SURFACE GEOPHYSICS AT ANY POINT OF THEIR DEPICTION. THIS INFORMATION IS SURVEYED TO APPLICABLE TOLERANCES DEFINED BY THE PROJECT AND REDUCED ONTO PLAN DOCUMENTS.

QL-A OBTAIN PRECISE HORIZONTAL AND VERTICAL POSITION OF THE UTILITY LINE BY EXCAVATING A TEST HOLE. THE TEST HOLE SHALL BE DONE USING VACUUM EXCAVATION OR COMPARABLE NONDESTRUCTIVE EQUIPMENT IN A MANNER AS TO CAUSE NO DAMAGE TO THE UTILITY LINE. AFTER EXCAVATING A TEST HOLE, A FIELD SURVEY SHALL BE PERFORMED TO DETERMINE THE EXACT LOCATION AND POSITION OF THE UTILITY LINE.

TELEPHONE PAIR SIZE TABLE

TELEPHONE PAIR SIZE	TELEPHONE CABLE DIAMETER
5 - 100	0.50 TO 2.00 IN
101 - 2400	UP TO 3.50 IN

GEORGIA811 Utilities Protection Center, Inc

Know what's below. Call before you dig.

Jacobs

NOT TO SCALE

REVISION DATES		

UTILITY PLANS

15TH STREET EXTENSION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		24-0000
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN

LIMIT OF CONSTRUCTION
STA. 102+39.22
WILLIAMS STREET

103+00

CENTERLINE INTERSECTION
STA. 10+00.00 ON 15TH STREET
= STA. 101+90.86 ON WILLIAMS STREET
N. 1378183.6700
E. 2228606.5074

WILLIAMS STREET N00°20'49.6"E

10+00

INTERSTATE OVERHEAD SIGN

102+00

EXIST. WALL TO REMAIN

BEGIN PROJECT
PI 0015019
STA. 10+00.00
N. 1378183.6700
E. 2228606.5074

101+00

LIMIT OF CONSTRUCTION
STA. 101+32.30
WILLIAMS STREET

RETIRED:
16" STEEL GAS MAIN
(ESTIMATED LOCATION)

RETIRED:
2" STEEL GAS MAIN
(ESTIMATED LOCATION)

RETIRED:
2" STEEL GAS MAIN
(ESTIMATED LOCATION)

BILLBOARD SIGN

N/F
ROSEMARIE SPILLANE

EXISTING TO REMAIN:
2" REG. STATION
ABOVE GROUND
N/F
12TO SPRING STREET, LLC

EXISTING TO REMAIN:
16" STEEL GAS MAIN
WT: 0.375/GRADE: X65
NOP: 100 PSIG
CP RECTIFIER

RETIRED:
4" PLASTIC GAS MAIN
(ESTIMATED LOCATION)

PWR POLE(S) IN CONFLICT
AT&T WILL TRANSFER/REPLACE
CABLES TO NEW PWR POLES

1
N/F
GEORGIA DEPARTMENT
OF TRANSPORTATION

VERIZON/WCI
72CT FOC
ON GA POWER POLES

11+00 REQ'D R/W

12+00

13+00 REQ'D R/W

203+00

EXIST. R/W

EXIST. R/W

15TH STREET
S 89°26'25.8" E

CONCRETE COLLAR
FOR DEFLECTING PIPE
GA STD 9031U

CENTERLINE INTERSECTION
STA. 13+40.98 ON 15TH STREET
= STA. 201+93.53 ON
SR 9SO/SPRING STREET
N. 1378180.1155
E. 2228947.4716

PLUGGED PIPE

SSMH
TOP: 891.65
IN: 878.60
OUT: 878.

REQ'D R/W

REQ'D R/W

EXISTING TO REMAIN:
16" STEEL GAS MAIN
WT: 0.375/GRADE: X65
NOP: 100 PSIG
CP RECTIFIER

IN:
GPC/45'
T# 126276

ESA - HISTORIC
RESOURCE

201+00

LIMIT OF MILL/INLAY
STA. 201+40.84
SR 9SO/SPRING STREET

LIMIT OF CONSTRUCTION
STA. 201+29.87
SR 9SO/SPRING STREET

EXISTING TO REMAIN:
4" PLASTIC GAS MAIN
NOP: 45 PSIG

N/F
SELIG ENTERPRISES, INC

SHELDON SINRICH

GLADYS KNIGHT HIGHWAY

SR 9SO/SPRING STREET N00°56'41.4"W

LIMIT OF CONSTRUCTION
STA. 202+88.43
SR 9SO/SPRING STREET

LIMIT OF MILL/INLAY
STA. 202+46.03
SR 9SO/SPRING STREET

EXISTING TO REMAIN:
4" GAS VALVE

EXISTING TO REMAIN:
2" GAS VALVE

2
N/F
DEVELOPMENT AUTHORITY
OF FULTON COUNTY

UWHSS
TOP: 893.35
FULL OF SEWAGE
BOTTOM: 881.12 +/-

UWHSS
TOP: 893.44
IN 'A': 881.94
IN 'B': 881.53
IN 'C': 886.64 (15"RCP)
OUT: 881.53

SEAM OUT STRUCTURE & PIPE

WATER VAULT

WATER VAULT (?)

14+00

15+00

ROOF DRAIN
INV. 898.04'

FDC

RM:
GPC/45'
T# 126276

202+00

89°07'34.6" E

15TH STREET
S 89°40'12.6" E

5
N/F
GEORGIA DEPARTMENT
OF TRANSPORTATION

STORM VAULT (VAULT TO BE FILLED WITH FLOWABLE FILL)

EXIST. WALL TO REMAIN

OVERHEAD SIGN

DIRECTIONAL SIGN

UWHSS
TOP: 895.65
IN: 891.24
OUT: 891.12

EXIST. WALL TO REMAIN

RETIRED:
6" CAST IRON
(ESTIMATED LOCATION)

UWHSS
TOP: 896.50
INACCESSIBLE

N/F
KOGER ACP, LLC

REMOVE EXISTING
CONCRETE
OLD PARKING

RETIRED:
4" STEEL GAS MAIN
(ESTIMATED LOCATION)

MATCH LINE STA. 15+00 DRAWING No. 24-0002

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

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

Jacobs

SCALE IN FEET
0 20 40 80

REVISION DATES
03-20-2023

UTILITY PLANS
15TH STREET EXTENSION

CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	24-0001
VERIFIED:		DATE:	

10/23/2015 GPLN

MATCH LINE STA. 15+00 DRAWING No. 24-0001

2
N/F
DEVELOPMENT AUTHORITY
OF FULTON COUNTY

ZAYO CONTRACTOR TO MAINTAIN MINIMUM 3FT HORIZONTAL AND VERTICAL SEPARATION FROM ALL WATER AND GAS

EXISITNG HH AT 301+30 LT WILL REQUIRE BREAK AND RESTORE OF SIDEWALK AND BRICK PAVERS

ZAYO CONTRACTOR TO BORE (4) 1.25" HDPE TO BE MINIMUM OF 2' BELOW PROPOSED FINAL GRADE
(1) W/432CT FOC
(1) W/48CT FOC
(1) W/24CT FOC

EXISTING ZAYO
(2) 1.25" HDPE
(1) W/ 432CT FOC
(1) W/ 24CT FOC

LIMIT OF CONSTRUCTION
STA. 302+70.18
SR 9/WEST PEACHTREE STREET

CENTERLINE INTERSECTION
STA. 17+95.38 ON 15TH STREET
= STA. 302+44.37 ON SR 9/WEST PEACHTREE STREET
N. 1378192.9269
E. 2229401.1588

VERIZON ONE FIBER
(2) 2.0 HDPES W/
(2) 864CT FOCS
9' BOC
3'-4' DEEP

EXISTING MFN MH

END CONSTRUCTION
STA. 19+47.04

END PROJECT
PI 0015019
STA. 18+50.00
N. 1378178.2285
E. 2229554.2301

N/F
MARTA

EXISTING TO REMAIN:
2" PLASTIC GAS MAIN
NOP: 45 PSIG

EXISTING ZAYO 432CT, 24CT AND 48CT FOC TO BE ABANDONED IN PLACE
SR 9/WEST PEACHTREE STREET

EXISTING TO REMAIN:
2" STEEL GAS MAIN
WT: 0.154/GRADE: X52
NOP: 45 PSIG
CP RECTIFIER

RETIRED:
12" CAST IRON
(ESTIMATED LOCATION)
RETIRED:
4" STEEL GAS (S)MAIN
(ESTIMATED LOCATION)

EXISTING ZAYO
(2) 1.25" HDPE
(1) W/ 48CT FOC

EXISTING TO REMAIN:
4" PLASTIC GAS MAIN
NOP: 45 PSIG

ZAYO CONTRACTOR TO EXPOSE APPROX 10' OF (2) 1.25" HDPE AND BREAK HDPE THEN PULL 432CT AND 24CT FOC TO NEW 24"X36"X30" HH. PULL SLACK TO NEW HH TO CREATE SPLICE
PLACE NEW 24"X36"X30" HH.
EXISTING ZAYO HH

16' BOC
3'-4' DEEP

RETIRED:
6" CAST IRON
(ESTIMATED LOCATION)

RETIRED:
2" STEEL GAS (S)MAIN
(ESTIMATED LOCATION)

EXISTING ZAYO
(2) 1-1/4" HDPE
(1) W/ 432CT FOC
(1) W/ 24CT FOC

RETIRED:
6" CAST IRON
(ESTIMATED LOCATION)

VERIZON/MCI
216 & 72 FOC
NO CONFLICT

LEGEND
PAVEMENT REMOVAL

N/F
KOGER ACP, LLC

N/F
GEORGIA DEPARTMENT
OF TRANSPORTATION

N/F
NP 15TH STREET, LLC

N/F
HINES ONE ATLANTIC CENTER, LP

N/F
MARTA

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

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

Jacobs

SCALE IN FEET
0 20 40 80

REVISION DATES		
09/09/2022		
03-20-2023		

UTILITY PLANS
15TH STREET EXTENSION

CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	24-0002
CORRECTED:		DATE:	
VERIFIED:		DATE:	

10/23/2015 GPLN

MATCH LINE STA. 15+00 DRAWING No. 24-0001

N

LIMIT OF CONSTRUCTION
STA. 302+70.18
SR 9/WEST PEACHTREE STREET

CENTERLINE INTERSECTION
STA. 17+95.38 ON 15TH STREET
= STA. 302+44.37 ON SR 9/WEST PEACHTREE STREET
N. 1378192.9269
E. 2229401.1588

VERIZON ONE FIBER
(2) 2.0 HDPES W/
(2) 864CT FOCS
9' BOC
3'-4' DEEP

END CONSTRUCTION
STA. 19+47.04

END PROJECT
PI 0015019
STA. 19+50.00
N. 1378178.2285
E. 2229554.2301

N/F
MARTA

2
N/F
DEVELOPMENT AUTHORITY
OF FULTON COUNTY

15TH STREET

SR 9/WEST PEACHTREE STREET

EXISTING TO REMAIN:
2" PLASTIC GAS MAIN
NOP: 45 PSIG

N/F
NP 15TH STREET, LLC

LIMIT OF CONSTRUCTION
STA. 301+88.65
SR 9/WEST PEACHTREE STREET

EXISTING TO REMAIN:
2" STEEL GAS MAIN
WT: 0.154/GRADE: X52
NOP: 45 PSIG
CP RECTIFIER

16' BOC
3'-4' DEEP

RETIRED:
6" CAST IRON
(ESTIMATED LOCATION)

RETIRED:
2" STEEL GAS (S)MAIN
(ESTIMATED LOCATION)

N/F
HINES ONE ATLANTIC CENTER, LP

RETIRED:
6" CAST IRON
(ESTIMATED LOCATION)

VERIZON/MCI
216 & 72 FOC
NO CONFLICT

N/F
MARTA

N/F
GEORGIA DEPARTMENT
OF TRANSPORTATION

RETIRED:
12" CAST IRON
(ESTIMATED LOCATION)

RETIRED:
4" STEEL GAS (S)MAIN
(ESTIMATED LOCATION)

EXISTING TO REMAIN:
4" PLASTIC GAS MAIN
NOP: 45 PSIG

N/F
KOGER ACP, LLC

N/F
P&L 1230 WEST PEACHTREE, LP

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

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

Jacobs

SCALE IN FEET
0 20 40 80

REVISION DATES

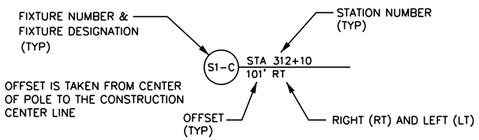
UTILITY PLANS
15TH STREET EXTENSION
ALTERNATE I

CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	24-0002A
VERIFIED:		DATE:	

10/23/2015 GPLN

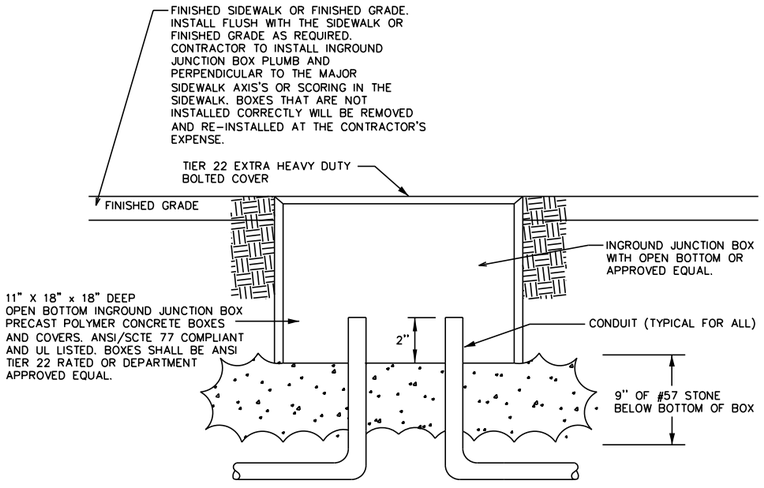
LEGEND

- DIRECT BORE
- EXPOSED CONDUIT
- UNDERGROUND CONDUIT
- C — LIGHT FIXTURE, CAPITAL LETTER INDICATES TYPE
- E — EXISTING GEORGIA POWER COMPANY COBRA HEAD
- IG — J-BOX WITH BLANK COVER, UNLESS OTHERWISE NOTED.
- TFROC — TYPICAL FOR REMAINDER OF CIRCUIT.
- 38,781 A AVAILABLE — AVAILABLE SYMMETRICAL SHORT CIRCUIT CURRENT AT THE EQUIPMENT AS CALCULATED BY THE ENGINEER. THE ELECTRICAL DISTRIBUTION SYSTEM SHALL BE A FULLY RATED SYSTEM.
- (30') — LENGTH OF FEEDER IN FEET.
- MP — METER PEDESTAL



1 / 25-0001 TYPICAL LIGHT POLE IDENTIFICATION

SCALE: NTS



2 / 25-0001 TYPICAL IN GROUND JUNCTION BOX INSTALLATION DETAIL

SCALE: NTS

LIGHTING FIXTURE SCHEDULE -REFERENCE ONLY

TYPE	MANUFACTURER & CATALOG NUMBER	MOUNTING	NO./LAMPS	LOAD
C	HOLOPHANE #AWDE2-P30-40K-AS-M-CMC-5-F-P-RBM-CMC CODA GREEN W/HOLOPHANE #NY(11.42)/17CIT-CA/CM-BC(0.75X12.0ALT45)-3T3 -CLD/CS BEARING PLT BREAKCOUP AB-31-4 RFD456374 CODA GREEN POLE	12' POLE	LED ARRAY	61W
	PHILIPS HADCO #C13991A-4000K-CODA GREEN W/HAPCO #B35466-CODA GREEN	12' POLE	LED ARRAY	76W
	KING LUMINAIRE 4K134R-R1AR-V-100(SSL)-1063-120:277V -K14-PR-TAW-4K-SMOOTH CODA GREEN FINISH W/UNION METAL #N1571-70-B107-CODA GREEN	12' POLE	LED ARRAY	100W
CH	GE LIGHTING #ERLH-0-15-C3-40-A-CODA GREEN T-I W/7PIN PE CELL W/HAPCO #B75832 CODA GREEN POLE	32' POLE	LED ARRAY	136W
	LUMEC #RFM-160W-48 LED-4K-G2-R3M-UNIV-DMG-RCD7-CODA GREEN SP2 W/ UNION METAL #P09-B157 CODA GREEN POLE	32' POLE	LED ARRAY	160W
	AEL #ATB2-40BLED10-MVOLT-R3-4K-20-RFD20942(CODA GREEN) -P7-PCSS W/HOLOPHANE #RTA32-8MA-Y207D-TBASE-AB-27-4-RFD444803 POLE	32' POLE	LED ARRAY	138W

FIXTURE TABLE

POLE NO.	STATION	OFFSET	(R) OR (L)	SERVICE	FIXTURE TYPE	VOLTAGE	POLE HEIGHT
S1-C	10+48.96	20.88	L	A	C	240	11'6"
S2-CH	10+48.96	20.88	R	A	CH	240	32'
S3-CH	11+19.96	15.00	L	A	CH	240	32'
S4-C	11+10.71	15.00	R	A	C	240	11'6"
S5-C	11+68.80	15.11	R	A	C	240	11'6"
S6-C	11+79.96	15.00	L	A	C	240	11'6"
S7-CH	12+28.73	18.10	R	A	CH	240	32'
S8-C	12+39.96	15.00	L	A	C	240	11'6"
S9-C	12+88.65	21.09	R	A	C	240	11'6"
S10-CH	12+88.96	21.82	L	A	CH	240	32'
S11-C	13+85.21	21.97	L	A	C	240	11'6"
S12-CH	13+86.04	32.17	R	A	CH	240	32'
S13-C	14+45.50	15.67	L	A	C	240	11'6"
S14-C	14+45.62	25.33	R	A	C	240	11'6"
S15-C	15+05.61	25.57	R	A	C	240	11'6"
S16-CH	15+05.78	15.43	L	A	CH	240	32'
S17-CH	15+65.61	25.81	R	A	CH	240	32'
S18-C	15+65.78	15.19	L	A	C	240	11'6"
S19-C	16+25.73	15.00	L	A	C	240	11'6"
S20-C	16+25.73	26.00	R	A	C	240	11'6"
S21-CH	16+75.73	15.00	L	A	CH	240	32'
S22-C	16+75.73	26.00	R	A	C	240	11'6"
S23-C	17+50.06	21.87	L	A	C	240	11'6"
S24-CH	17+45.73	32.08	R	A	CH	240	32'

ITEM NO.	ITEM DESCRIPTION	EA UNITS	QUANTITY
681-3600	COA - TYPE C POLE FOUNDATION	EA	15
681-3600	COA - TYPE CH POLE FOUNDATION	EA	9
682-9950	DIRECTIONAL BORE - 1 1/2 IN	LF	70
682-9950	DIRECTIONAL BORE - 5 IN	LF	350
682-9021	ELECTRICAL JUNCTION BOX, CONC GROUND MOUNTED	EA	36
682-6219	CONDUIT, NONMETL, TP-2, 1 IN	LF	50
692-6221	CONDUIT, NONMETL, TP-2, 1 1/2 IN	LF	350
682-6222	CONDUIT, NONMETL, TP 2, 2 IN	LF	3,100
682-6223	CONDUIT, NONMETL, TP 2, 3 IN	LF	70
682-6232	CONDUIT, NONMETL, TP3, 1 1/2 IN	LF	80
682-6233	CONDUIT, NONMETL, TP 3, 2 IN	LF	800
682-8995	POWER SERVICE CABINET	EA	1
682-1405	CABLE, TP XHHW, AWG NO 8 COPPER	LF	30
682-1406	CABLE, TP XHHW, AWG NO 6 COPPER	LF	250
682-1407	CABLE, TP XHHW, AWG NO 4 COPPER	LF	80
682-1413	CABLE, TP XHHW, AWG NO 1/0 COPPER	LF	525
682-1414	CABLE, TP XHHW, AWG NO 3/0 COPPER	LF	1,050
680-7000	REMOVAL OF EXISTING COA FIXTURES/POLES/BASES - RETRUN FIXTURES/POLES TO OWNER	EA	3

GENERAL NOTES:

A. FOR ALL LIGHT POLES, A MINIMUM OF 2'-6" MUST BE MAINTAINED AT ALL TIMES FROM THE BACK OF THE CURB (OR EDGE OF PAVEMENT) TO THE CENTER OF THE LIGHT POLE.

B. NO CONDUIT MAY BE RUN OUTSIDE THE RIGHT OF WAY BOUNDARY OR ON PRIVATE PROPERTY.

C. ALL UNDERGROUND CONDUIT SHALL BE PVC SCHEDULE 40. CONDUIT INSTALLED UNDERNEATH ROADWAYS AND DRIVES SHALL BE GALVANIZED RIGID STEEL (GRS) OR TYPE TP3.

D. ALL CONDUIT WHICH IS RUN UNDER A ROADWAY SHALL BE INSTALLED PRIOR TO ANY NEW PAVING. NO NEW PAVING SHALL BE CUT TO INSTALL ELECTRICAL LINES.

E. CONTRACTOR SHALL ROUTE ALL CONDUITS RUNS BETWEEN EACH FIXTURE AND FROM THE LAST FIXTURE TO THE UTILITY COMPANY SERVICE LOCATION IN THE MOST DIRECT ROUTE AS POSSIBLE.

F. CARE MUST BE TAKEN IN THE INSTALLATION OF THE CONDUIT SYSTEM TO AVOID ANY DAMAGE TO THE EXISTING UNDERGROUND UTILITIES.

G. CONDUIT ACCESSORIES SUCH AS EXPANSION JOINTS, PULL BOXES, CONDULETS, ELBOWS, FLEXIBLE CONDUIT, ETC., SHALL BE INCLUDED IN THE PRICE BID FOR CONDUIT.

H. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CLIENT. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO ANY DIGGING

I. CONTRACTOR SHALL DIRECT BORE WHERE APPLICABLE.

J. RIGID CONDUIT INSTALLED ON STRUCTURES SHALL BE SUPPORTED AT LEAST EVERY TEN FEET AND WITHIN THREE FEET OF JBOXES, LUMINAIRES, ETC.

K. EXPOSED CONDUIT SHALL BE GALVANIZED RIGID STEEL UNLESS OTHERWISE NOTED.

L. THE CONTRACTOR SHALL INSTALL A NYLON PULL CORD OR GALVANIZED PULL WIRE IN EACH EMPTY CONDUIT. THE COST OF THIS ITEM WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCLUDED IN THE COST OF THE CONDUIT.

M. ALL ELECTRICAL MATERIALS, SUCH AS CONDUIT, AND JBOXES, SHALL BE UL LISTED AND MEET THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE AND THE AMERICAN NATIONAL STANDARDS INSTITUTE. ELECTRICAL CONDUITS, WIRES, CIRCUIT BREAKERS, FUSES, GROUND RODS AND GROUND CONDUCTORS SHALL MEET GDOT'S STANDARD SPECIFICATIONS AND SHALL BE IN ACCORDANCE WITH GDOT'S QUALIFIED PRODUCTS LIST (QPL).

N. LOCAL UTILITY COMPANY IS GEORGIA POWER.
CONTACT: BENJAMIN AGEE
PHONE: 404-572-7707
EMAIL: BDAGEE@SOUTHERNCO.COM

O. ALL WORK SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR.

P. ALL SHOP DRAWINGS FOR POLE FOUNDATION, AND OTHER RELATED LIGHTING MATERIALS, ETC. MUST BE SUBMITTED TO THE CONSTRUCTION PROJECT ENGINEER FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.

Q. SEE 29 SERIES LANDSCAPE DRAWINGS FOR INFORMATION ON ALL TREES AND PLANTS FOR THE PROJECT.

R. THE TYPE TP2-2" CONDUIT INCLUDES TRENCHING AS SPECIFIED IN THE 2013 GDOT SPEC BOOK.

S. DEMO'ED FIXTURES AND POLES ARE TO BE DELIVERED TO CITY OF ATLANTA, STREET LIGHT DIVISION AT 124 CLAIRE DR SW, ATLANTA, GA.

W&A PROJECT NUMBER - 18031
WOMACK & ASSOCIATES CONSULTING ENGINEERS
5032 Vernon Oaks Drive
Dunwoody, Georgia 30338
Voice 770-379-4743
WOMACK & ASSOCIATES
COA #PEF006530 EXP - 06/30/2020

PLOT SCALE: 1 = 1

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

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

SCALE IN FEET
0 20 40 80

REVISION DATES
03-20-2023

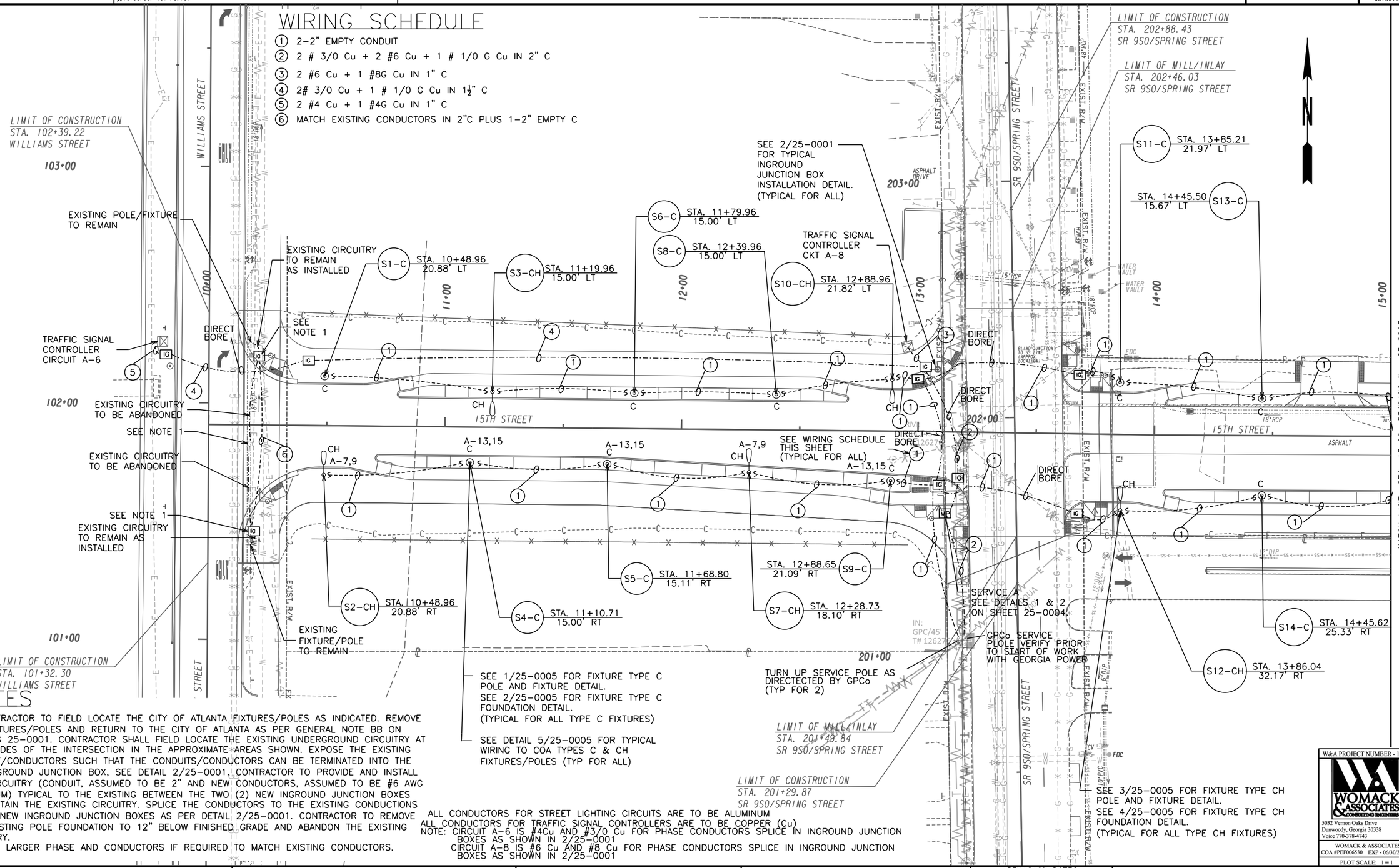
LIGHTING PLANS
15TH STREET EXTENSION

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

DRAWING No. 25-0001

WIRING SCHEDULE

1. 2-2" EMPTY CONDUIT
2. 2 # 3/0 Cu + 2 #6 Cu + 1 # 1/0 G Cu IN 2" C
3. 2 #6 Cu + 1 #8G Cu IN 1" C
4. 2# 3/0 Cu + 1 # 1/0 G Cu IN 1½" C
5. 2 #4 Cu + 1 #4G Cu IN 1" C
6. MATCH EXISTING CONDUCTORS IN 2"C PLUS 1-2" EMPTY C



NOTES

1. CONTRACTOR TO FIELD LOCATE THE CITY OF ATLANTA FIXTURES/POLES AS INDICATED. REMOVE THE FIXTURES/POLES AND RETURN TO THE CITY OF ATLANTA AS PER GENERAL NOTE BB ON DRAWING 25-0001. CONTRACTOR SHALL FIELD LOCATE THE EXISTING UNDERGROUND CIRCUITRY AT BOTH SIDES OF THE INTERSECTION IN THE APPROXIMATE AREAS SHOWN. EXPOSE THE EXISTING CONDUIT/CONDUCTORS SUCH THAT THE CONDUITS/CONDUCTORS CAN BE TERMINATED INTO THE NEW INGROUND JUNCTION BOX, SEE DETAIL 2/25-0001. CONTRACTOR TO PROVIDE AND INSTALL NEW CIRCUITRY (CONDUIT, ASSUMED TO BE 2" AND NEW CONDUCTORS, ASSUMED TO BE #6 AWG ALUMINUM) TYPICAL TO THE EXISTING BETWEEN THE TWO (2) NEW INGROUND JUNCTION BOXES TO MAINTAIN THE EXISTING CIRCUITRY. SPLICE THE CONDUCTORS TO THE EXISTING CONDUCTIONS IN THE NEW INGROUND JUNCTION BOXES AS PER DETAIL 2/25-0001. CONTRACTOR TO REMOVE THE EXISTING POLE FOUNDATION TO 12" BELOW FINISHED GRADE AND ABANDON THE EXISTING CIRCUITRY.
PROVIDE LARGER PHASE AND CONDUCTORS IF REQUIRED TO MATCH EXISTING CONDUCTORS.

ALL CONDUCTORS FOR STREET LIGHTING CIRCUITS ARE TO BE ALUMINUM
ALL CONDUCTORS FOR TRAFFIC SIGNAL CONTROLLERS ARE TO BE COPPER (Cu)
NOTE: CIRCUIT A-6 IS #4Cu AND #3/0 Cu FOR PHASE CONDUCTORS SPLICE IN INGROUND JUNCTION BOXES AS SHOWN IN 2/25-0001
CIRCUIT A-8 IS #6 Cu AND #8 Cu FOR PHASE CONDUCTORS SPLICE IN INGROUND JUNCTION BOXES AS SHOWN IN 2/25-0001

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

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

SCALE IN FEET
0 20 40 80

REVISION DATES
03-20-2023

W&A PROJECT NUMBER - 18031
WOMACK & ASSOCIATES CONSULTING ENGINEERS
5032 Vernon Oaks Drive
Dunwoody, Georgia 30338
Voice 770-378-4743
WOMACK & ASSOCIATES
COA #PEF006530 EXP - 06/30/2020
PLOT SCALE: 1 = 1

LIGHTING PLANS
15TH STREET EXTENSION

CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	25-0002
CORRECTED:		DATE:	
VERIFIED:		DATE:	

10/23/2015 GPLN

WIRING SCHEDULE

1. 2-2" EMPTY "C"
2. 1-2"EMPTY "C"
3. EXISTING CIRCUITING TO BE ABANDONED
4. 2-2" EMPTY "C"

ALL CONDUCTORS ARE TO BE ALUMINUM

MATCH LINE STA. 15+00 DRAWING No. 25-0002

SEE 2/25-0005 FOR FIXTURE TYPE C FOUNDATION DETAIL. (TYPICAL FOR ALL TYPE C FIXTURES)

S23-C STA. 17+50.06 21.87' LT

S19-C STA. 16+25.73 15.00' LT

S21-CH STA. 16+75.73 15.00' LT

S16-CH STA. 15+05.78 15.43' LT

S18-C STA. 15+65.78 15.19' LT

EXIST. WALL TO REMAIN

HANDRAIL

15TH STREET

CH

C

304+00

303+00

302+00

301+00

15+00

16+00

17+00

19+00

20+00

21+00

BIKE RACK

BENCH

EXIST R/W

SR 9/WEST PEACHTREE STREET

LL108

LL105

TRAFFIC CABINET

EXISTING CIRCUITRY TO REMAIN

SEE NOTE 1

DIRECT BORE

EXISTING CIRCUITRY TO REMAIN

LIMIT OF CONSTRUCTION
STA. 302+70.18
SR 9/WEST PEACHTREE STREET

CENTERLINE INTERSECTION
STA. 17+95.38 ON 15TH STREET
= STA. 302+44.37 ON SR 9/WEST PEACHTREE STREET
N. 1378192.9269
E. 2229401.1588

END CONSTRUCTION
STA. 19+47.04

END PROJECT
PI 0015019
STA. 19+50.00
N. 1378178.2285
E. 2229554.2301

LIMIT OF CONSTRUCTION
STA. 301+88.65
SR 9/WEST PEACHTREE STREET

S15-C STA. 15+05.61 25.57' RT

S17-CH STA. 15+65.61 25.81' RT

S22-C STA. 16+75.73 26.00' RT

S20-C STA. 16+25.73 26.00' RT

S24-CH STA. 17+45.73 32.08' RT

FDC

SEE DETAIL 5/25-0005 FOR TYPICAL WIRING TO COA TYPES C & CH FIXTURE/POLES (TYP FOR ALL)

SEE 4/25-0005 FOR FIXTURE TYPE CH FOUNDATION DETAIL. (TYPICAL FOR ALL TYPE CH FIXTURES)

WIRING SCHEDULE

1. 2-2" EMPTY CONDUIT
2. MATCH EXISTING CONDUCTORS IN 2"C PLUS 1-2" EMPTY C
3. EXISTING CIRCUITING TO BE ABANDONED

NOTES

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Voice 770-378-4743
WOMACK & ASSOCIATES
COA #PEF006530 EXP - 06/30/2020

PLOT SCALE: 1 = 1

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

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

SCALE IN FEET
0 20 40 80

REVISION DATES
03-20-2023

LIGHTING PLANS

15TH STREET EXTENSION

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

DRAWING No. 25-0003

10/23/2015 GPLN

WIRING SCHEDULE

1. 2 #8 + 1 #8G (UNSWITCHED) IN 2" C PLUS 1-2" EMPTY C
2. 2 #8 + 1 #8G (SWITCHED) IN 2" C PLUS 1-2" EMPTY C
3. EXISTING CIRCUITING TO BE ABANDONED
4. 2 #8 + 1 #8G (UNSWITCHED) + 2 #8 + 1 #8G (SWITCHED) IN 2" C PLUS 1-2" EMPTY C

ALL CONDUCTORS ARE TO BE ALUMINUM

MATCH LINE STA. 15+00 DRAWING No. 25-0002

SEE 1/25-0005 FOR FIXTURE TYPE C POLE AND FIXTURE DETAIL.
SEE 2/25-0005 FOR FIXTURE TYPE C FOUNDATION DETAIL.
(TYPICAL FOR ALL TYPE C FIXTURES)

S23-C STA. 17+50.06 21.87' LT
S19-C STA. 16+25.73 15.00' LT
S21-CH STA. 16+75.73 15.00' LT
S16-CH STA. 15+05.78 15.43' LT
S18-C STA. 15+65.78 15.19' LT
S15-C STA. 15+05.61 25.57' RT
S17-CH STA. 15+65.61 25.81' RT
S20-C STA. 16+25.73 26.00' RT
S22-C STA. 16+75.73 26.00' RT
S24-CH STA. 17+45.73 32.08' RT

304+00 303+00 302+00 301+00
15+00 16+00 17+00 18+00 19+00 20+00 21+00

SR 9/WEST PEACHTREE STREET
15TH STREET
EXIST. R/W
EXIST. WALL TO REMAIN
HANDRAIL
BIKE RACK
TRAFFIC CABINET
LL108 LL105

A-13,15 C
A-7,9 CH
DIRECT BORE
IG
FDC

EXISTING CIRCUITRY TO REMAIN
SEE NOTE 1

SEE DETAIL 5/25-0005 FOR TYPICAL WIRING TO COA TYPES C & CH FIXTURE/POLES (TYP FOR ALL)

SEE 3/25-0005 FOR FIXTURE TYPE CH POLE AND FIXTURE DETAIL.
SEE 4/25-0005 FOR FIXTURE TYPE CH FOUNDATION DETAIL.
(TYPICAL FOR ALL TYPE CH FIXTURES)

LIMIT OF CONSTRUCTION
STA. 302+70.18
SR 9/WEST PEACHTREE STREET

CENTERLINE INTERSECTION
STA. 17+95.38 ON 15TH STREET
= STA. 302+44.37 ON SR 9/WEST PEACHTREE STREET
N. 1378192.9269
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END CONSTRUCTION
STA. 19+47.04

END PROJECT
PI 0015019
STA. 19+50.00
N. 1378178.2285
E. 2229554.2301

LIMIT OF CONSTRUCTION
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SR 9/WEST PEACHTREE STREET

N

NOTES

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WOMACK & ASSOCIATES
COA #PEF006530 EXP - 06/30/2020

PLOT SCALE: 1 = 1

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

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

SCALE IN FEET
0 20 40 80

REVISION DATES

LIGHTING PLANS
15TH STREET EXTENSION

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

DRAWING No. 25-0003A

10/23/2015 GPLN

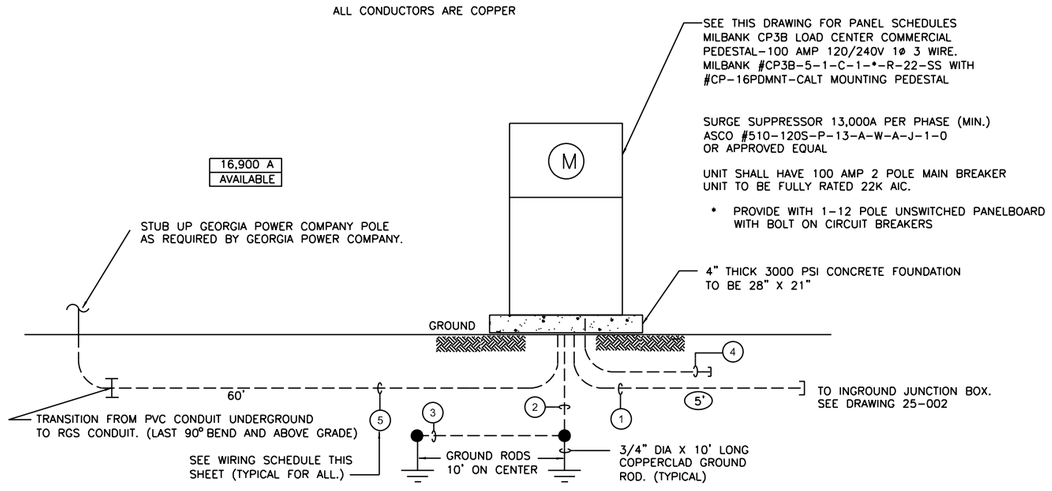
PANEL A

VOLTAGE: 120/240V AMPS: 100A MB SURFACE
1 PHASE, 3 WIRE TOTAL LOAD: 9.6 KVA

No.	SERVES	LOAD (KVA)						BRKR		PH		BRKR		LOAD (KVA)						SERVES	No.
		LTG	RCPT	MTR	A/C	KITCH	MISC	TRIP	P	A	B	P	TRIP	MISC	KITCH	A/C	MTR	RCPT	LTG		
1	SURGE PROTECTION							30	2	0.00		2								SPACE	2
3											0.00										4
5	SPACE								1	4.80		1	50	4.80						SIGNAL CONTROLLER	6
7	SPACE								2		4.80	1	50	4.80						SIGNAL CONTROLLER	8
9										0.72		1								SPACE	10
11	SPACE								1			1								SPACE	12
										5.52	4.80			9.60	0.00	0.00	0.00	0.00	0.00	CONNECTED KVA 9.6	

WIRING SCHEDULE

1. SEE DRAWINGS FOR WIRING
2. 1#6 Cu G IN 3/4" PVC C
3. #6 Cu
4. 3/4" EMPTY C. STUB OUT AND CAP 5' FROM PAD
5. EMPTY 3" C FOR GEORGIA POWER COMPANY SERVICE CONDUCTORS



1 / 25-0004 ONE LINE DIAGRAM SERVICE A

SCALE: NTS

W&A PROJECT NUMBER - 18031

WOMACK & ASSOCIATES CONSULTING ENGINEERS
5032 Vernon Oaks Drive
Dunwoody, Georgia 30338
Voice 770-378-4743
WOMACK & ASSOCIATES
COA #PEF006530 EXP - 06/30/2020

PLOT SCALE: 1 = 1

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

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

SCALE IN FEET
0 20 40 80

REVISION DATES
03-20-2023

LIGHTING PLANS

15TH STREET EXTENSION

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

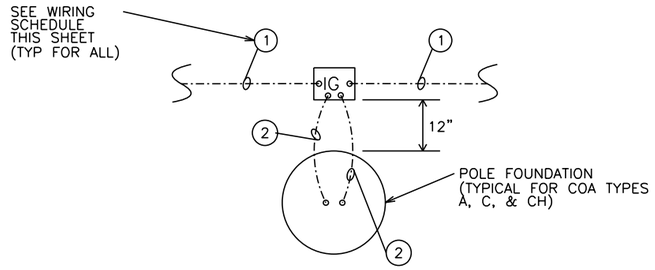
DRAWING No. 25-0004

WIRING SCHEDULE

(1) SEE DRAWINGS FOR CONDUIT REQUIREMENTS

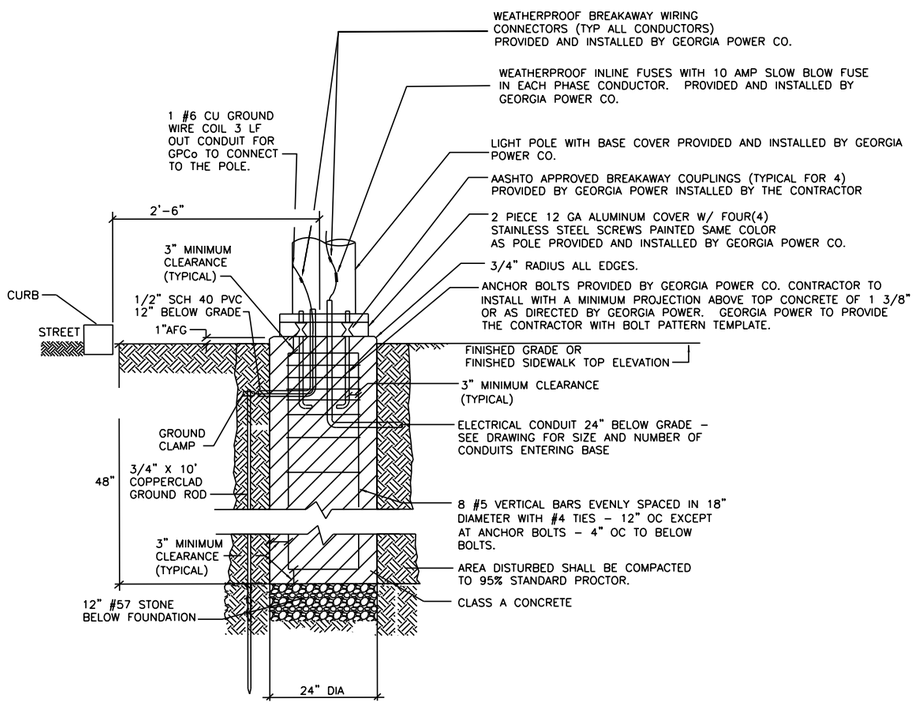
(2) 2" EMPTY C FOR FUTURE USE

ALL CONDUCTORS ARE TO BE ALUMINUM



5 / 25-0005 TYPICAL WIRING DETAIL FOR COA FIXTURE/POLE

SCALE: NTS

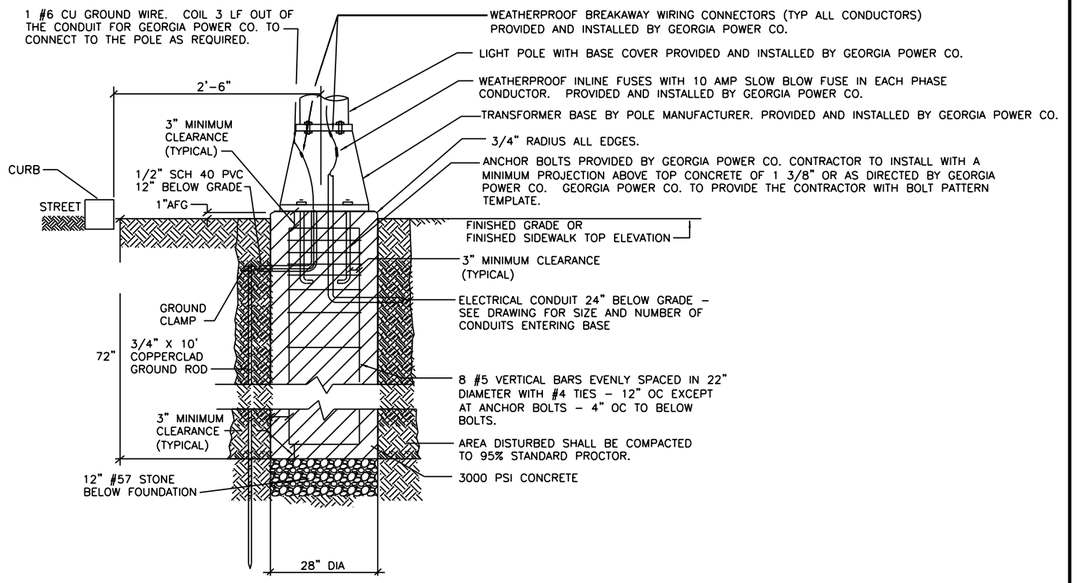


2 / 25.0005 FIXTURE TYPE "C" FOUNDATION DETAIL

SCALE: NTS

NOTE: ALL MATERIALS NOT SPECIFICALLY INDICATED TO BE PROVIDED BY GEORGIA POWER WILL BE PROVIDED AND INSTALLED BY THE CONTRACTOR.

NOTE: CONTRACTOR TO PROTECT THE COMPLETED POLE BASE FOUNDATIONS FOR UP TO EIGHT (8) MONTHS FROM COMPLETION OF THE BASES TO WHEN GEORGIA POWER CO INSTALLS THE POLES.



4 / 25-0005 FIXTURE TYPE 'CH' FOUNDATION DETAIL

SCALE: NTS

NOTE: ALL MATERIALS NOT SPECIFICALLY INDICATED TO BE PROVIDED BY GEORGIA POWER WILL BE PROVIDED AND INSTALLED BY THE CONTRACTOR.

NOTE: CONTRACTOR TO PROTECT THE COMPLETED POLE BASE FOUNDATIONS FOR UP TO EIGHT (8) MONTHS FROM COMPLETION OF THE BASES TO WHEN GEORGIA POWER CO INSTALLS THE POLES.

W&A PROJECT NUMBER - 18031
WOMACK & ASSOCIATES CONSULTING ENGINEERS
5032 Vernon Oaks Drive
Dunwoody, Georgia 30338
Voice 770-378-4743
WOMACK & ASSOCIATES
COA #PEF006530 EXP - 06/30/2020

PLOT SCALE: 1 = 1

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
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BEGIN LIMIT OF ACCESS.....BLA
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REQ'D LIMIT OF ACCESS
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ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

SCALE IN FEET
0 20 40 80

REVISION DATES
03-20-2023

LIGHTING PLANS

15TH STREET EXTENSION

CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	25-0005
VERIFIED:		DATE:	

CITY OF ATLANTA

KESHIA LANCE BOTTOMS
MAYOR

68 TRINITY AVENUE, S.W.
SUITE 4700, CITY HALL SOUTH
ATLANTA, GEORGIA 30303-3831
TEL. (404) 330-6240
FAX. (404) 658-7502

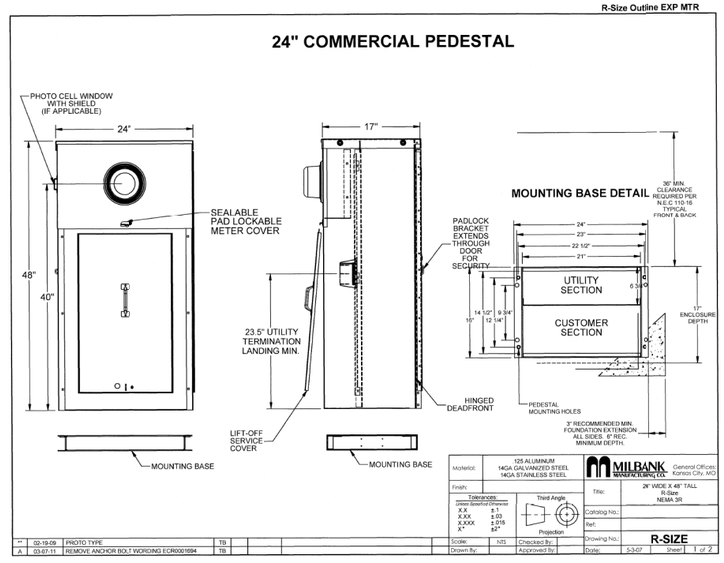
DEPARTMENT OF PUBLIC WORKS
William M. Johnson
Commissioner

James A. Jackson Jr.
Deputy Commissioner

Street Light Wiring Procedures

1. All wiring diagrams, relocations, lighting additions or lighting deletions must be submitted to the Department of Public Works, Office of Transportation, Street Light Division for approval by the Senior Street Light Engineer.
2. Traffic signal circuits, lighting circuits, and illuminated signs (especially on private property) must be totally separate from each other. The power for the street lights will be fed directly from Georgia Power through the metered pedestal.
3. ***All lights must be metered.*** **New light installations can not be added to any existing circuits, connection or metered pedestal.**
4. Each light must be individually fused using quick–disconnect breakaway fuse holders installed inside the base of each pole. The fuse holders must have rubber boots.
5. Each wiring connect must be made using compression connections (Burndy "C" connector, or equivalent) followed by a heat shrink protective material to protect the connection from weathering elements.
6. The bolt circle pattern must accommodate the pole type and be consistent with the existing poles used by the City of Atlanta. Please refer to the pole specifications.
7. All splices in the pull boxes must be water proof.
8. All lights must be LED. Wattages will be equivalent to the existing high-pressure sodium wattages that currently exist for the Department of Public Works, Office of Transportation, Street Light Division and may be determined during a pre-construction meeting. ***Street Lights must be reviewed at this meeting before installation or placing the order for materials and equipment.***
9. Use 2-2" pipe conduits. Use 2" steel pipes under driveways if not boring. PVC and rigid conduits must be used. Hdpe pipe can be used during boring. One line should be in and the other line out until the end of the line or the last pole installed for that system/coming from the metered pedestal.
10. Wiring must be aluminum, ***copper will not be accepted.***

R-Size Outline EXP MTR



FOR REFERENCE ONLY

W&A PROJECT NUMBER -18031
WOMACK & ASSOCIATES CONSULTING ENGINEERS
2300 Lake Park Dr, Suite 250
Smyrna, Georgia 30080
Voice 770-458-3005 Fax 770-458-8388
WOMACK & ASSOCIATES
COA #PEF006530 EXP - 06/30/2020

PLOT SCALE: 1 = 1

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

LIGHTING PLANS

15TH STREET EXTENSION

CHECKED:		DATE:		DRAWING No.
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CORRECTED:		DATE:		25-0006
VERIFIED:		DATE:		

CITY OF ATLANTA

KEISHA LANCE BOTTOMS
MAYOR

68 TRINITY AVENUE, S.W.
SUITE 4700, CITY HALL SOUTH
ATLANTA, GEORGIA 30303-3033
TEL. (404) 330-6240
FAX. (404) 658-7092

DEPARTMENT OF PUBLIC WORKS
James A. Jackson Jr
Commissioner

Street Light Checklist

- **Permit Process**: The street light plans must be approved through the permit process or before the street lights are installed. An electrical permit is required from the Bureau of Buildings for the metered pedestal and must be approved before the Street Light Division will inspect the lights.
- **Review & Approval Process**: Street Lights plans must be approved by the Street Light Division. To assist with review, photometric plans may be required at the request of the Street Light Engineer. ***Street Light approvals are not to be confused with other site plan approval or right-of-way approvals (including SAP approval) Street Light Approval must have Street Lights above the approval.*** Street Light locations must follow approved plans. If changes are to be made to the plans, then the changes must be re-approved.
- **Location, Layout & Type**: Street Lights must be installed as follows:
  - A minimum of 15 feet from the center of the pole to the center of a tree based on the "street light and tree spacing alignment". ○ A minimum of 6 feet on center (OC) driveway apron flare, parking space and street intersection to the center of the pole.
  - A minimum of 3 feet OC from American Disability Act (ADA) ramps flare, metered pedestal, benches, fire hydrants and bicycle ramps
  - A minimum of four feet (4') from the back of the curb to the center of the pole except in certain zoning districts (MR, MRC, NC, LW, SPI, BeltLine Overlay) where a minimum of two feet six inches (2'6") from the back of the curb to the center of the pole is required. ○ Layouts must begin with a Cobra head (CH) or Type A light at intersections and driveways depending on City of Atlanta codes and/or nearby existing lights. The layout follows: **CH/A C C CH/A unless otherwise noted in City codes.**
  - Street lights shall only be installed on hardscape materials or landscaping of a grass or liriope species. **No other landscaping can surround street light(s).**
  - Metered pedestals maintained, repaired and serviced by the City of Atlanta must be in the City of Atlanta's Right-of-Way. ○ Specifications and details must include luminaire and pole, **cut sheets will not be accepted.** ○ **All lights must be coda green.** ○ Reference City of Atlanta Zoning Code (Part 16) for specified regulations pertaining to Special Public Interest Districts (SPIs). Any specified regulations or subsequently developed design standards related to lighting are considered precedent.

Please take into consideration that street lights cannot be installed within 10 feet of overhead power lines and behind down guides.

- **Anchoring**: All Street Lights must use poles with breakaway bolts (Type A and Type C) or bases (for Cobra head only).
- **Emblem**: The City of Atlanta emblem must be gold and facing the direction of oncoming traffic.
- **Wiring**: All wiring must be individually fused and follow City of Atlanta standards as established by the Department of Public Works, Office of Transportation. ***All wiring must be aluminum.***
- **Luminaries**: All lights must be City of Atlanta standard LEDs and Holophane. If specifications are needed please contact the City of Atlanta Street Light Division.
- **Meters**: New installations must be ***metered*** and an account established with Georgia Power for the contractor / developer at least ***30 days before the inspection occurs and remain active until the lights are transferred.*** All meters must have commercial breakers and rated 10% lower than Georgia Power's breaker to be approved with street light plans. **New street light installations cannot be added to any existing circuit, connection or metered pedestal.**
- **Pre-Construction**: Pre-construction meeting must be scheduled with the Street Light Engineer, Street Light Supervisor and/or Street Light Inspector. ***Exact details of the manufacturer of the street lights, color, model number and necessary materials for installation of the lights and type will be discussed. Any changes to the street lights including but not limited to the type of lights, number of lights and location must be discussed; no changes will be accepted after this meeting.*** *A calendar-based email must be sent for confirmation of the preconstruction meeting.*
- **Installation:** The contractor/developer must provide the City of Atlanta 15% of each light type to be installed or at least a minimum of one light of each type for locations installing below a total number of 10 street lights. If you are installing more than one type of light, you must provide 15% of each or at least one of each type. ***Please note that the City of Atlanta does not provide any materials for installation. We will only provide specifications and details as needed.*** *Please contact the persons listed below concerning the requirements. A form will be sent and a time must be scheduled to drop off the attic stock.*
- **Inspections**: The Street Light Engineer, Street Light Supervisor and /or Street Light Inspector must complete ***at least 3 inspections***: (1) before installation(conduits), (2) during installation (rebar and cages) and (3) before the lights are connected to the City circuit or Georgia Power. An actual inspection must be completed after the lights are powered. **The Lights should always operate in normal operation except during the last inspection, they are turned on and placed back into normal operation for the 30 Days Burn.** Inspections are scheduled between 9 am and 2 pm Tuesdays and Thursday only. Schedule inspections 48-72 hours in advance. *A calendar-based email must be sent for confirmation of the scheduled inspection.*

  The following must be submitted before inspections are scheduled (**30 days after the account is established):**

- Copy of the Georgia Power bill
- Date account was established
- Contractor and Electrician Information:

  1. General Contractor Name
     Company Name
     Company Address
     Contact Number
     Email Address

  2. Electrician Name
     Company Name
     Company Address
     Contact Number
     Email Address

- The attic stock (required 10%) must be delivered to 124 Claire Drive, SW before the 30 Days Burn begins.
- A final wiring diagram and street light plan (if changed from the original approval) must be submitted before the transfer is completed.
- The Street Light Division can be contacted for inspections or questions at the following:

• Adanegn Woldemichael:	agwoldemichael@atlantaga.gov	404-291-5053
• Curtis Williams:	cuwilliams@atlantaga.gov	470-829-6145
• Rawle Gibbs:	rgibbs@atlantaga.gov	404-831-3507

The completion of the inspection will result in a letter of approval to begin the 30 days burn or a punch list. Please allow time for the lights to be transferred over to the City of Atlanta after the 30 days burn period ends. If the lights are turned nonoperation or account closed before the end of the 30 days burn period and/or before the lights are transferred, a new inspection wil be required once the lights are operational. This will begin another 30 days burn.

Please note that if during the burn period there are any damages or malfunctioning to the street light equipment including wires, poles knock down and any other issues within in the system; the burn period will start over from the date of an approved re-inspection.

Inspections will include but may not be limited:

- Pre-construction site visit/meeting**
- Before installation – existing street lights and possible conduit (Conduits cannot be cover before inspection(s) – No pictures will be accepted.
- During installation – conduit, positions, rebar and cages
- After installations – to complete the following:
  1. Wiring;

2. Quantity and types of lights (including City of Atlanta gold emblem);
3. Spacing and layout of the lights (Light vs. tree & driveway spacing);
4. Poles and luminaire fixtures for proper installation, functionality and type of light;
5. The service points for location and wiring;
6. Account and contractor information must be sent to Adanegn Woldemichael.

- **Lack of Inspection or Approval**: Any street lights not inspected and/or approved will not be transferred to the City of Atlanta for energy, maintenance and/or servicing. The contractor / developer is responsible for the maintenance, energy and servicing of lights until the new lights will be inspected and approved for service by the City's Street Light Engineer. ***Any street lights not inspected, approved or powered from the building cannot contain the City of Atlanta emblem(s). The emblems must be removed immediately.***

  The following lights will not be accepted:
  1. Stemberg
  2. Power from the building
  3. Conduit and lights on private property

Inspections are required for relocating lights. Please contact the Street Light Division to schedule an inspection. A calendar-based email must be sent for confirmation. ** The wiring procedures must be followed and plans approved.

Removal of Lights and Transfer: *Any street lights* that need to be removed must be approved by the City of Atlanta Street Light Engineer before removal. **The approval of plans does not authorize removals.** Authorization for removal must be in writing. This will occur with a letter from the Street Light Engineer**. All City of Atlanta Street Lights that are removed must be returned to 124 Claire Drive, SW, even if you are installing new street lights.** The accurate return street light return form must be completed and submitted with accurate information. The form must be signed upon returning. Please schedule at least 4872 hours in advance. Equipment/Street Light(s) that is damaged and/or broken will not be accepted. This will require replacements must be delivered before the lights are accepted or transferred to the City of Atlanta. Please do not remove or relocate any City of Atlanta or Georgia Power lights without written authorization of notice to proceed (NTP). A schedule for removal, plan for temporary lighting and schedule for replacement will be required. Please contact the Street Light Engineer immediately at 404-658-7862 (office), 404-291-5053 (cell) and agwoldemichael@atlantaga.gov (email).

Additions to Inspections: Georgia Power Co. shall make three (3) inspections of the Contractor's work. One inspection during the installation of the conduit system, one during the installation of the pole bases to review the rebar and one at the completion of the pole bases.

Shop Drawing Review: The Contractor shall provide for review and approval by Georgia Power Co. shop drawings of each type of pole base foundation being provided by the Contractor. Shop Drawings to include rebar, anchor bolt locations and conduits in the foundation. No pole bases will be constructed prior to approval of the pole bases by Georgia Power Co.

FOR REFERENCE ONLY

W&A PROJECT NUMBER - 18031

WOMACK & ASSOCIATES CONSULTING ENGINEERS
2300 Lake Park Dr, Suite 250
Smyrna, Georgia 30080
Voice 770-458-3005 Fax 770-458-8388
WOMACK & ASSOCIATES
COA #PEF006530 EXP - 06/30/2020

PLOT SCALE: 1 = 1

PROPERTY AND EXISTING R/W LINE	----------P----------
REQUIRED R/W LINE	————————
CONSTRUCTION LIMITS	— —C— — —F— —
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

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

REVISION DATES
03-20-2023

LIGHTING PLANS

15TH STREET EXTENSION

CHECKED:		DATE:	
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DRAWING No.
25-0007

LIMIT OF CONSTRUCTION
STA. 102+39.22
WILLIAMS STREET

103+00

CENTERLINE INTERSECTION
STA. 10+00.00 ON 15TH STREET
= STA. 101+90.86 ON WILLIAMS STREET
N. 1378183.6700
E. 2228606.5074

STA 102+32
R9-3 (18)
R9-3bL (18)
SEE NOTE (1)

ONE WAY

STA 102+01
R6-2R (30)

102+00

ERADICATE EXISTING PAVEMENT MARKINGS WITHIN INTERSECTION

EXIST. WALL TO REMAIN

BEGIN PROJECT
PI 0015019
STA. 10+00.00
N. 1378183.6700
E. 2228606.5074

STA 101+56
R9-3 (18)
R9-3bL (18)
SEE NOTE (1)

24" SOLID WHITE (TYP)

101+00

LIMIT OF CONSTRUCTION
STA. 101+32.30
WILLIAMS STREET

STA 101+44
R5-1 (36")

DO NOT ENTER

STA 100+81
R5-1A (42)

WRONG WAY

WILLIAMS STREET
N00°20'49.6"E

10+00

EXIST. R/W

STA 102+37.10
R4-11 (30)

MAY USE FULL LANE

YIELD

STA 10+80.27
R1-2 (18)

BIKE LANE ENDS

STA 11+12
R3-17 (24)
R3-17BP (24)

11+00 REQ'D R/W

8" SOLID WHITE (TYP) GDOT DETAIL T-11A

THERMOPLASTIC PAVEMENT MARKINGS - YELLOW DETAIL "A", 47 SQ YDS, W/TP 1 YELLOW RPMS @ 40' SPACING

THERMOPLASTIC PVMT MKG, WORD 7 "ENDS"

BIKE SHARED LANE SYMBOL (TYP)

TYPE 4 SYMBOL (TYP)

15TH STREET
S 89°26'25.8" E

5" SOLID WHITE

TYPE 1 ARROW (TYP)

5" SOLID WHITE (TYP)

5" SOLID DOUBLE YELLOW W/ TP 1 YELLOW RPMS @ 40' SPACING (TYP)

TYPE 1 WORD "ONLY" (TYP)

24" SOLID WHITE (TYP)

REQ'D R/W

ERADICATE EXISTING PAVEMENT MARKINGS WITHIN INTERSECTION

STA 10+71
R9-7L T18

KEEP LEFT/RIGHT

ESA - HISTORIC RESOURCE

THERMOPLASTIC PAVEMENT MARKINGS - WHITE DETAIL "C", 20 SQ YDS

SKIP PVMT MKG, 5 IN, TP PB (2' SEG, 6' GAP) (TYP)
8" SOLID WHITE (TYP)
SEE GDOT DETAIL T-11A

201+00

ERADICATE EXISTING PAVEMENT MARKING

STA 101+17
R5-1 (36")

STA 11+14
R2-1 (30")(25)

SPEED LIMIT 25

DO NOT ENTER

WILLIAMS STREET
N00°20'49.6"E

EXIST. R/W

STA 12+82
R9-7L (18)

12+00

DO NOT TURN ON RED

STA 202+37
R10-1A (30)

STA 13+08
POLE MOUNTED
R6-2L (30)

ONE WAY

REMOVE EXISTING SIGN

203+00

BIKE BOX, 9 SY

REQ'D R/W

13+00

CENTERLINE INTERSECTION
STA. 13+40.98 ON 15TH STREET
= STA. 201+93.53 ON SR 9SO/SPRING STREET
N. 1378780.1155
E. 2228947.4716

DO NOT ENTER

STA 202+70
R5-1 (36")

EXIST. R/W

N00°56'41.4"W
SR 9SO/SPRING STREET

TYPE 3 ARROW

202+00

S 89°07'34.6" E

LIMIT OF CONSTRUCTION
STA. 202+88.43
SR 9SO/SPRING STREET

LIMIT OF MILL/INLAY
STA. 202+46.03
SR 9SO/SPRING STREET

DO NOT ENTER

STA 202+70
R5-1 (36")

N

EXIST. R/W

STA 13+68
R3-2 (30")

LEFT TURN BOX

14+00

STA 14+39
SPCL (30")

5" SOLID WHITE W/ TP 3 RPMS @ 20' SPACING

TRAFFIC STRIPE, GREEN, 5" WIDE (TYP)

15+00

15TH STREET
S 89°40'12.6" E

EXIST. WALL TO REMAIN

TYPE 2 ARROW (TYP)

BEGIN SKIP PVMT MKG, 5 IN, TB PB, (2' SEG, 6' GAP) (TYP)
STA 14+74.36
OFF. 0" & 11.00' RT

EXIST. WALL TO REMAIN

STA 13+99
R9-7L (18)

KEEP LEFT/RIGHT

STA 13+71 (STRAIN POLE MOUNTED)
R6-2R (30)

ONE WAY

EXIST. R/W

CV

FDC

10" PVC

N00°56'41.4"W
SR 9SO/SPRING STREET

EXIST. R/W

2 STRAIN POLE
STA. 102+15.45
OFF. 16.43' LT

3 STRAIN POLE
STA. 13+08.00
OFF. 26.29' LT

4 STRAIN POLE
STA. 13+71.98
OFF. 36.33' RT

LIMIT OF MILL/INLAY
STA. 201+49.84
SR 9SO/SPRING STREET

LIMIT OF CONSTRUCTION
STA. 201+29.87
SR 9SO/SPRING STREET

MATCH LINE STA. 15+00

15+00 DRAWING No. 13-0002

PROPERTY AND EXISTING R/W LINE
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REQ'D LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

Jacobs

SCALE IN FEET
0 20 40 80

REVISION DATES
03-20-2023

SIGNING AND MARKING PLANS
15TH STREET EXTENSION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		26-0001
CORRECTED:		DATE:		
VERIFIED:		DATE:		

MATCH LINE STA. 15+00 DRAWING No. 26-0001

CENTERLINE INTERSECTION
STA. 17+95.38 ON 15TH STREET
= STA. 302+44.37 ON WEST PEACHTREE STREET
N. 1378192.9269
E. 2229401.1588

SPEED LIMIT 25
STA 16+50 R2-1 (30)(25)
KEEP LEFT/RIGHT
STA 17+36 R9-7L (18)
ONE WAY
STA 302+66 R6-2R (30)
ONE WAY
STA 302+92 R6-2L (30)
NO TURN ON RED
STA 18+51 R10-11A (30)
BIKE LANE AHEAD
STA 18+91 R3-17 (24) R3-17AP (24)

5" SOLID WHITE (TYP)
TYPE I ARROW (TYP)
5" SOLID DOUBLE YELLOW W/ TP 1 YELLOW RPMS @ 40' SPACING (TYP)
5" SOLID WHITE (TYP)
15+55.95 30.00' LT
16+15.27 30.00' LT
8" SOLID WHITE (TYP) SEE GDOT DETAIL T-11A
LL108
LL115
REPLACE EXISTING CROSSWALK AND STOP BAR
TYPE I WORD "ONLY" 5" SOLID WHITE W/ TP 3 RPMS @ 20' SPACING
TIE TO EXISTING STRIPING STA 19+47.04
SHARED BIKE LANE SYMBOL. (TYP)
TYPE I ARROW (TYP)
ERADICATE EXISTING CROSSWALK AND STOP BAR
CENTER STAGE ATLANTA
STA 18+41 (STRAIN POLE MOUNTED) R6-2L (30)
THERMOPLASTIC PAVEMENT MARKINGS - YELLOW DETAIL "A", 83 SQ YDS. W/TP 1 YELLOW RPMS @ 40' SPACING
STA 18+73 R4-11 (30)
MAY USE FULL LANE
NO PARKING 25 MPH
PED XING
MARTA STOP
MARTA
UTILITIES
DO NOT ENTER
24" SOLID WHITE (TYP)
TYPE I ARROW (TYP)
TYPE 4 SYMBOL (TYP)
5" SOLID WHITE W/ TP 3 RPMS @ 20' SPACING
STA 16+89 R3-17 (24) R3-17BP (24)
BIKE LANE ENDS
STA 301+94 R6-2R (30) R3-2 (30)
ONE WAY
TRAFFIC STRIPE, GREEN 5' WIDE (TYP)
RETAIN EXISTING SIGN
ONE WAY
STA 301+60 R5-1 (30)
DO NOT ENTER
SKIP PVMT WKG. 5 IN. TP PB (2' SEG. 6' GAP) (TYP)

(5) STRAIN POLE
STA. 17+61.14
OFF. 37.18' LT

(6) STRAIN POLE
STA. 18+41.40
OFF. 26.86' RT

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

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

Jacobs

SCALE IN FEET
0 20 40 80

REVISION DATES
03-20-2023

SIGNING AND MARKING PLANS
15TH STREET EXTENSION

CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	26-0002
VERIFIED:		DATE:	

MATCH LINE STA. 15+00 DRAWING No. 26-0001

CENTERLINE INTERSECTION
STA. 17+95.38 ON 15TH STREET
= STA. 302+44.37 ON WEST PEACHTREE STREET
N. 1378192.9269
E. 2229401.1588

SPEED LIMIT 25
STA 16+50 R2-1 (30)(25)
KEEP LEFT/RIGHT
STA 17+36 R9-7L (18)
ONE WAY
STA 302+66 R6-2R (30)
ONE WAY
STA 302+92 R6-2L (30)
BIKE LANE AHEAD
STA 18+91 R3-17 (24) R3-17AP (24)
NO TURN ON RED
STA 18+51 R10-11A (30)

5" SOLID WHITE (TYP)
TYPE I ARROW (TYP)
5" SOLID DOUBLE YELLOW W/ TP 1 YELLOW RPMS @ 40' SPACING (TYP)
5" SOLID WHITE (TYP)
8" SOLID WHITE (TYP) SEE GDOT DETAIL T-11A
REPLACE EXISTING CROSSWALK AND STOP BAR
TYPE I WORD "ONLY" 5" SOLID WHITE W/ TP 3 RPMS @ 20' SPACING
TIE TO EXISTING STRIPING STA 19+47.04
SHARED BIKE LANE SYMBOL (TYP)
TYPE I ARROW (TYP)
ERADICATE EXISTING CROSSWALK AND STOP BAR
THERMOPLASTIC PAVEMENT MARKINGS - YELLOW DETAIL "A", 83 SQ YDS. W/TP 1 YELLOW RPMS @ 40' SPACING
24" SOLID WHITE (TYP)
5" SOLID WHITE W/ TP 3 RPMS @ 20' SPACING
TYPE 4 SYMBOL (TYP)
TRAFFIC STRIPE, GREEN 5' WIDE (TYP)
SKIP PVMT MKG, 5 IN, TP PB (2' SEG, 6' GAP) (TYP)
RETAIN EXISTING SIGN
STA 16+89 R3-17 (24) R3-17BP (24)
STA 301+94 R6-2R (30) R3-2 (30)
BIKE LANE ENDS
ONE WAY
STA 18+41 (STRAIN POLE MOUNTED) R6-2L (30)
ONE WAY
STA 18+73 R4-11 (30)
MAY USE FULL LANE
STA 301+60 R5-1 (30)
DO NOT ENTER

304+00 303+00 302+00 301+00
15+00 16+00 17+00 18+00 19+00 20+00 21+00
SR 9/WEST PEACHTREE STREET
15TH STREET
LL108 LL115
N00°22'18.1"E 1988.59
N00°22'18.1"E 1792.14
S 89°40'12.6" E
N 84°22'47.4" E
S 76°07'13.1" E
P.C. 16+15.13
P.I. 16+67.05
P.I. 16+71.11
P.I. 19+88.59
P.T. 19+31.68
STA 15+55.95 30.10' LT
STA 16+16.27 30.10' LT
CENTER STAGE ATLANTA
UTILITIES
DO NOT ENTER
MARTA
MARTA STOP
NO PARKING 25 MPH
PED XING

(5) STRAIN POLE
STA. 17+61.14
OFF. 37.18' LT

(6) STRAIN POLE
STA. 18+41.40
OFF. 26.86' RT

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

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

Jacobs

SCALE IN FEET
0 20 40 80

REVISION DATES

SIGNING AND MARKING PLANS
15TH STREET EXTENSION
ALTERNATE 1

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		26-0002A
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN

EXISTING SIGNAL

- CONTROLLER CABINET
- STRAIN POLE
- TIMBER POLE
- DOWN GUY
- MAST ARM
- STREET LIGHT
- 3 SECTION HEAD
- 4 SECTION HEAD W/BACKPLATE
- 4/5 SECTION (CLUSTER/T-SHAPE) HEAD
- OVERHEAD SIGN
- PEDESTAL POLE
- PED SIGNAL HEAD
- CURB CUT RAMP
- PB PULLBOX,(TYPE TO BE CALLED OUT)
- 6X6 PULSE LOOP
- 6X18 CALL LOOP
- 6X40 PRESENCE LOOP (DIPOLE)
- 6X40 PRESENCE LOOP (QUADRUPOLE)
- CONDUIT
- RAILROAD CONTROLLER
- SIGN POST

PROPOSED SIGNAL

- CONTROLLER CABINET
- STRAIN POLE
- TIMBER POLE
- DOWN GUY
- MAST ARM
- STREET LIGHT
- 3 SECTION HEAD
- 3 SECTION HEAD W/ BACKPLATE
- 4 SECTION HEAD
- 4/5 SECTION (CLUSTER/T-SHAPE) HEAD
- OVERHEAD SIGN
- PEDESTAL POLE
- PED SIGNAL HEAD
- CURB CUT RAMP - (SEE ADA DETAIL)
- PB PULLBOX,(TYPE TO BE CALLED OUT)
- 6x6 PULSE LOOP
- 6x18 CALL LOOP
- 6x40 PRESENCE LOOP (DIPOLE)
- 6x40 PRESENCE LOOP (QUADRUPOLE)
- CONDUIT,(TYPE TO BE CALLED OUT)
- RAILROAD CONTROLLER
- SIGN POST
- RADAR DETECTION DEVICE
- MAGNETOMETER DETECTION DEVICE
- VIDEO DETECTION DEVICE
- VIRTUAL DETECTION ZONE (RADAR,VIDEO,ETC.)

PROPERTY AND EXISTING R/W LINE — P — L —	BEGIN LIMIT OF ACCESS.....BLA
REQUIRED R/W LINE	END LIMIT OF ACCESS.....ELA
CONSTRUCTION LIMITS — C — F —	LIMIT OF ACCESS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	REQ'D R/W & LIMIT OF ACCESS
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

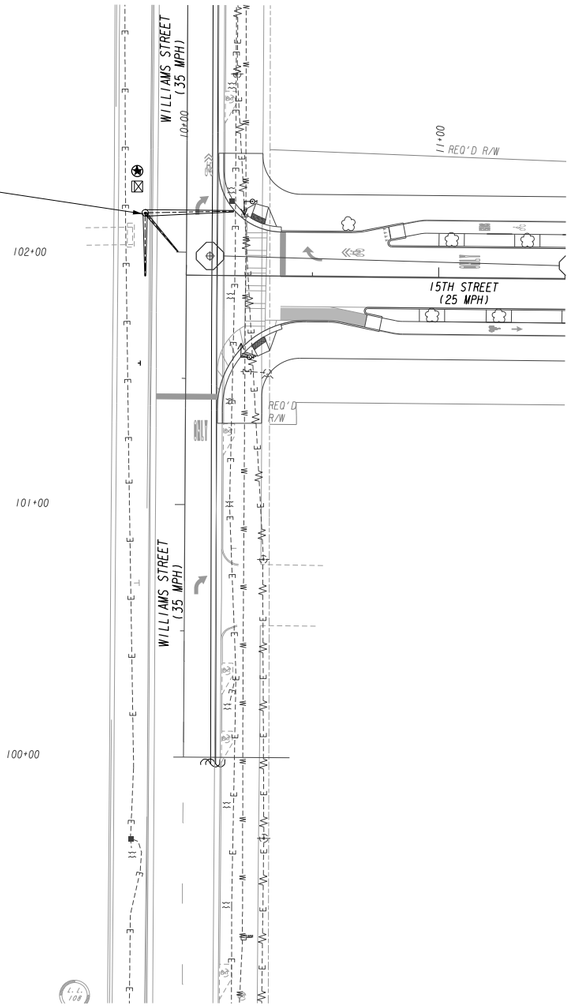
JACOBS™

REVISION DATES

SIGNAL PLANS
TRAFFIC SIGNAL LEGEND

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		27-0001
CORRECTED:		DATE:		
VERIFIED:		DATE:		

INSTALL:
-STEEL STRAIN POLE, TP IV (STA 9+83.74, OFF. 25'LT) WITH 25' & 35' MAST ARMS



N

SCALE IN FEET
0 30 60 120

JACOBS®

REVISION DATES

SIGNAL PLANS

15th STREET EXTENSION
EXISTING CONDITIONS

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		27-0002
CORRECTED:		DATE:		
VERIFIED:		DATE:		

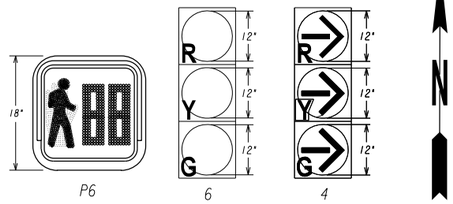
10/23/2015 GPLN

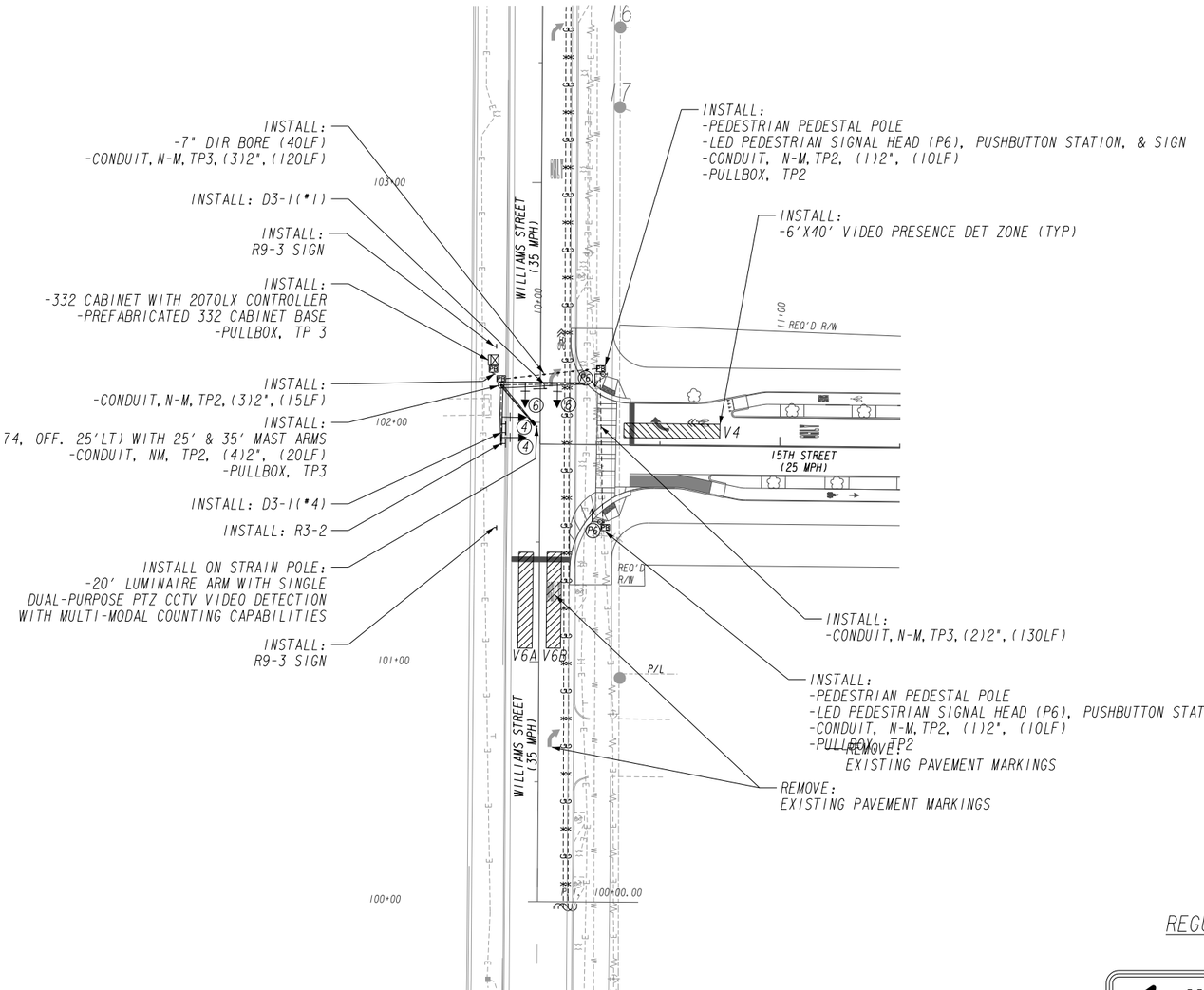
12/19/2019	TIME$$	$PRFB$	DGN		P. I. No.
$USER$		$$PENTABLE$$			0015019

PHASING DIAGRAM

Ø1 OMIT	Ø2 OMIT	Ø3 OMIT	Ø4
Ø5 OMIT	Ø6 W W	Ø7 OMIT	Ø8 OMIT

LED SIGNAL HEADS WITH RETRO-REFLECTIVE BACK PLATE





STREET NAME SIGNS

D3-1(*1)
(66"x18")

D3-1(*4)
(90"x18")

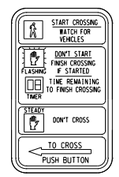
NOTE:
1. ALL MASTARMS SHALL BE SWING AWAY TRUSS AND EQUIPMENT LABELED "DECORATIVE" SHOULD BE PAINTED "CODA GREEN."

REGULATORY SIGNS

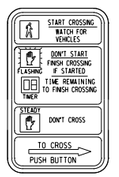
R9-3L
18" x 12"

R3-2
24" x 24"

PEDESTRIAN SIGNS



R10-3E (L)
9" x 15"



R10-3E (R)
9" x 15"

SIGNAL LEGEND

- PROPOSED SIGNAL HEAD
- EXISTING SIGNAL HEAD
- RELOCATED SIGNAL HEAD
- PROPOSED 4-SECTION SIGNAL HEAD
- PROPOSED 5-SECTION (CLUSTER) SIGNAL HEAD
- PEDESTRIAN SIGNAL HEAD

DETECTION LEGEND

- PROPOSED VIRTUAL DETECTION ZONE
- PROPOSED INDUCTIVE LOOP
- PROPOSED VIDEO DETECTION CAMERA
- PROPOSED MAGNETOMETER
- PROPOSED RADAR

JACOBS®

SCALE IN FEET
0 30 60 120

REVISION DATES		

SIGNAL PLANS
TRAFFIC SIGNAL #1
WILLIAMS ST @ 15TH ST
15th STREET EXTENSION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		27-0003
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN

NOTE: QUANTITIES ARE FOR INFORMATION ONLY. CONTRACTOR SHALL FIELD VERIFY PRIOR TO ORDERING MATERIALS.

332 CABINET INPUT ASSIGNMENTS

	SLOT	I	2	3	4	5	6	7	8	9	I0	II	I2	I3	I4

UPPER INPUT FILE

	TYPE	DET	DET	DET	DET	DET	DET	DET	DET	DET	TBA	TBA	DC	DC	DC
	CARD						4CH						DC ISO	DC ISO	DC ISO
CHANNEL 1	CI PIN	56	39	63	47	58	41	65	49	60		80	67	68	81
	FUNCTION						V4							06 PED	FLASH
	FIELD TERM	TB2 1,2	TB2 5,6	TB2 9,10	TB4 1,2	TB4 5,6	TB4 9,10	TB6 1,2	TB6 5,6	TB6 9,10			TB8 4,6	TB8 7,9	N/C

CHANNEL 2	CI PIN	56	43	76	47	58	45	78	49	62		53	69	70	82
	FUNCTION														STOP TIME
	FIELD TERM	TB2 3,4	TB2 7,8	TB2 11,12	TB4 3,4	TB4 7,8	TB4 11,12	TB6 3,4	TB6 7,8	TB6 11,12			TB8 5,6	TB8 8,9	N/C

LOWER INPUT FILE

	TYPE	DET	DET	DET	DET	DET	DET	DET	DET	DET	TBA	TBA	DC	DC	DC
	CARD		4CH												
CHANNEL 1	CI PIN	55	40	64	48	57	42	66	50	59		54	71	72	51
	FUNCTION		V6A												
	FIELD TERM	TB3 1,2	TB3 5,6	TB3 9,10	TB5 1,2	TB5 5,6	TB5 9,10	TB7 1,2	TB7 5,6	TB7 9,10			TB9 4,6	TB9 7,9	TB9 10,12

CHANNEL 2	CI PIN	55	44	77	48	57	46	79	50	61		75	73	74	52
	FUNCTION		V6B												
	FIELD TERM	TB3 3,4	TB3 7,8	TB3 11,12	TB5 3,4	TB5 7,8	TB5 11,12	TB7 3,4	TB7 7,8	TB7 11,12			TB9 5,6	TB9 8,9	TB9 11,12

TRAFFIC SIGNAL INSTALLATION NO. 1

Location: 15th Street @ Williams St.

LIST OF MATERIALS	UNIT	QUANTITY
CONTROLLER CABINET ASSEMBLIES		
A. CONTROLLER UNIT, MODEL 2070 LX (Preferred)	EA	1
E. CABINET ASSEMBLY, MODEL 332	EA	1
F. SWITCH PACK (Load Switch)	EA	3
G. DC ISOLATOR	EA	3
I. LOOP DETECTOR, 4 CHANNEL	EA	2
K. 2010 SIGNAL MONITOR, TYPE B (ETHERNET) (Preferred)	EA	1
M. AUXILLARY OUTPUT FILE	EA	1
332 PREFABRICATED CONTROLLER CABINET BASE	EA	1
PC642-200 (OR EQUIVALENT), SURGE PROTECTOR	EA	1
LOOP/PED LEAD-IN WIRE (SHIELDED, TWISTED/1000 FT); 3 PAIR, 18 AWG	REEL	1
SIGNAL CABLE (14 AWG); 7 CONDUCTOR, PER 1000 FT.	REEL	2
3-SECTION, 12" SIGNAL HEAD LED - , BLACK HOUSING w/ BLACK FRONT, PLASTIC	EA	4
1-SECTION, 16" x 18" LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, FULL HAND/MAN OVERLAP		
9" HIGH, Numbers & 12" Symbols	EA	2
PEDESTRIAN PUSHBUTTONS STATIONS, w/BUTTONS and SIGNS:		
9" x 15", R10-3e, (L)eft or (R)ight, Countdown	EA	2
BACK PLATE FOR ONE-WAY, 3-SECTION, 12" SIGNAL HEAD, ABS PLASTIC, YELLOW w/ RETROREFLECTIVE STRIP	EA	4
HARDWARE FOR MAST ARM MOUNTING	EA	4
HARDWARE FOR PEDESTAL POLE, TOP POST MOUNTING, ONE-WAY BRACKET ASSEMBLY	EA	2
PEDESTAL POLE & SQUARE BASE	EA	2
PULL BOX, PB-2	EA	2
PULL BOX, PB-3	EA	2
CONDUIT, 1"	LF	10
CONDUIT, RIGID, 1"	LF	10
CONDUIT, 2"	LF	40
R3-2, NO LEFT TURN SIGN	EA	1
R9-3L, NO PEDESTRIAN CROSSING SIGN	EA	2
MISCELLANEOUS MATERIALS NEEDED TO COMPLETE INSTALLATION	LUMP	LUMP

PAY ITEMS FOR TRAFFIC SIGNAL INSTALLATION #1

PAY ITEM	DESCRIPTION	UNIT
636-1041	HWY SIGNS, TP2MAT, REFL SH TP 9	SF
639-3014	STEEL STRAIN POLE, TP IV 25' AND 35' TANDEM MAST ARMS, INCL LUMINAIRE ARM	EA
647-1000	TRAFFIC SIGNAL INSTALLATION NO.1	LS
682-6222	CONDUIT, NM,TP 2, 2 IN	LF
682-6233	CONDUIT, NM,TP 3, 2 IN	LF
682-9950	DIRECTIONAL BORE, 7 IN	LF
937-1000	VIDEO CAMERA SENSOR ASSEMBLY (DUAL-PURPOSE CCTV VIDEO DETECTION)	EA
937-6150	PROGRMMING MONITOR, TYPE A	EA

JACOBS®

REVISION DATES

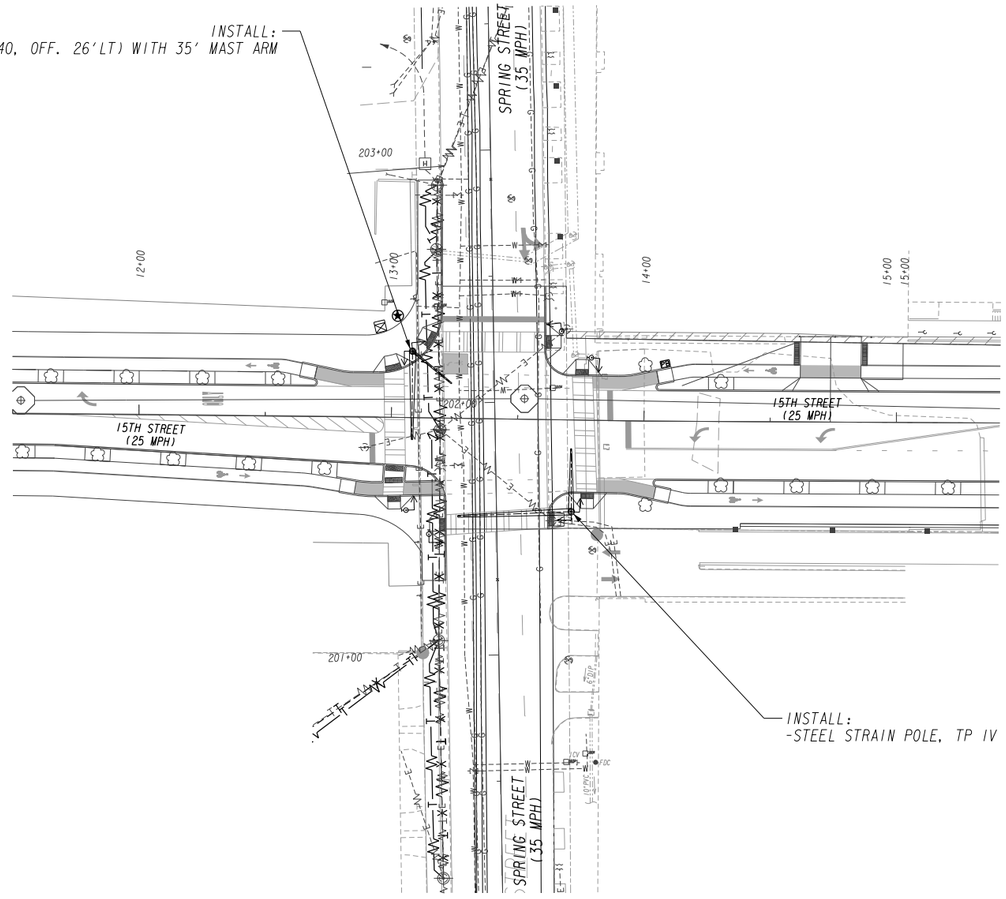
SIGNAL PLANS

TRAFFIC SIGNAL #1
INPUT ASSIGNMENTS/ LIST OF MATERIALS

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

DRAWING No. 27-0004

INSTALL:
-STEEL STRAIN POLE, TP IV (STA 13+8.40, OFF. 26'LT) WITH 35' MAST ARM



INSTALL:
-STEEL STRAIN POLE, TP IV (STA 13+71.20, OFF. 36'RT) WITH 25' & 45' MAST ARM

N

JACOBS®

SCALE IN FEET
0 30 60 120

REVISION DATES		

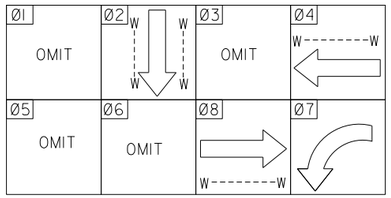
SIGNAL PLANS

15th STREET EXTENSION
EXISTING CONDITIONS

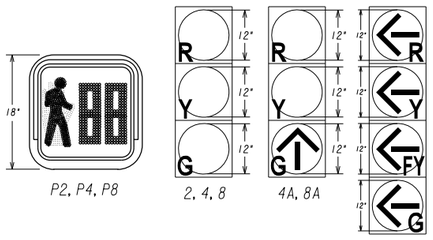
CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		27-0005
CORRECTED:		DATE:		
VERIFIED:		DATE:		

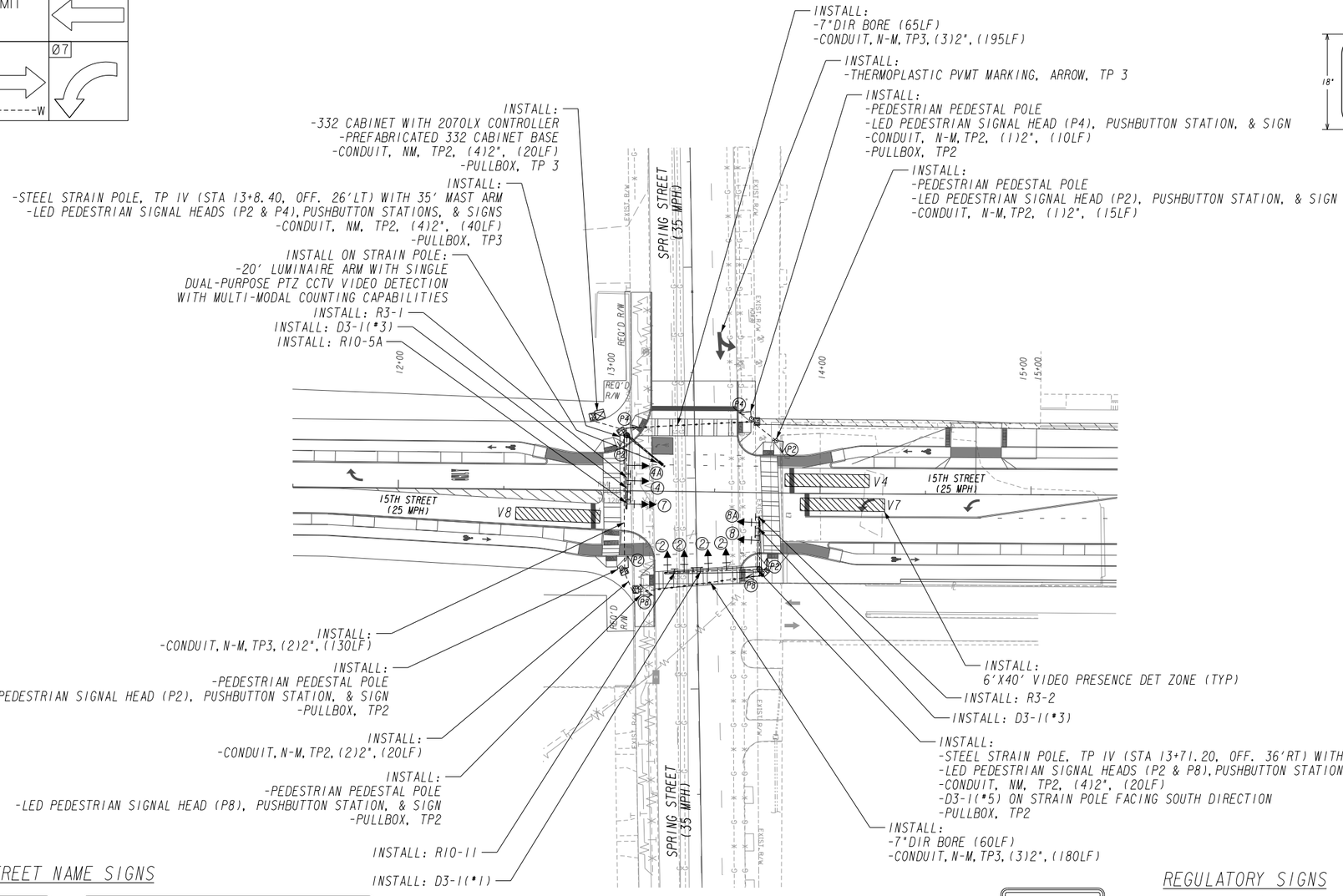
10/23/2015 GPLN

PHASING DIAGRAM



LED SIGNAL HEADS WITH RETRO-REFLECTIVE BACK PLATE

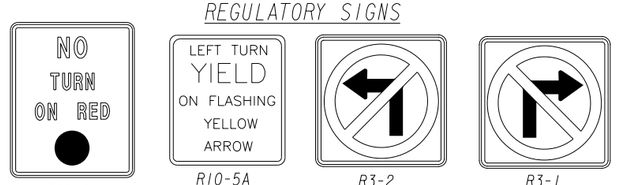




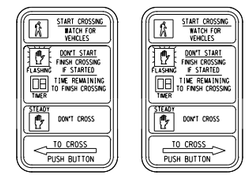
STREET NAME SIGNS

NOTE:
1. ALL MASTARMS SHALL BE SWING AWAY TRUSS AND EQUIPMENT LABELED "DECORATIVE" SHOULD BE PAINTED "CODA GREEN."

REGULATORY SIGNS



PEDESTRIAN SIGNS



SIGNAL LEGEND

- PROPOSED SIGNAL HEAD
- EXISTING SIGNAL HEAD
- RELOCATED SIGNAL HEAD
- PROPOSED 4-SECTION SIGNAL HEAD
- PROPOSED 5-SECTION (CLUSTER) SIGNAL HEAD
- PEDESTRIAN SIGNAL HEAD

DETECTION LEGEND

- PROPOSED VIRTUAL DETECTION ZONE
- PROPOSED INDUCTIVE LOOP
- PROPOSED VIDEO DETECTION CAMERA
- PROPOSED MAGNETOMETER
- PROPOSED RADAR

JACOBS®

SCALE IN FEET
0 30 60 120

REVISION DATES

SIGNAL PLANS
TRAFFIC SIGNAL #2
SPRING ST @ 15TH ST
15th STREET EXTENSION

CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	27-0006
CORRECTED:		DATE:	
VERIFIED:		DATE:	

332 CABINET INPUT ASSIGNMENTS

SLOT	1	2	3	4	5	6	7	8	9	10	11	12	13	14

UPPER INPUT FILE

	TYPE	DET	DET	DET	DET	DET	DET	DET	DET	DET	TBA	TBA	DC	DC	DC
	CARD						4CH						DC ISO	DC ISO	DC ISO
CHANNEL 1	C1 PIN	56	39	63	47	58	41	65	49	60		80	67	68	81
	FUNCTION						V4						Ø2 PED		FLASH
	FIELD TERM	TB2 1,2	TB2 5,6	TB2 9,10	TB4 1,2	TB4 5,6	TB4 9,10	TB6 1,2	TB6 5,6	TB6 9,10			TB8 4,6	TB8 7,9	N/C

CHANNEL 2	C1 PIN	56	43	76	47	58	45	78	49	62		53	69	70	82
	FUNCTION												Ø4 PED	Ø8 PED	STOP TIME
	FIELD TERM	TB2 3,4	TB2 7,8	TB2 11,12	TB4 3,4	TB4 7,8	TB4 11,12	TB6 3,4	TB6 7,8	TB6 11,12			TB8 5,6	TB8 8,9	N/C

LOWER INPUT FILE

	TYPE	DET	DET	DET	DET	DET	DET	DET	DET	DET	TBA	TBA	DC	DC	DC
	CARD				4CH		4CH								
CHANNEL 1	C1 PIN	55	40	64	48	57	42	66	50	59		54	71	72	51
	FUNCTION				V7		V8								
	FIELD TERM	TB3 1,2	TB3 5,6	TB3 9,10	TB5 1,2	TB5 5,6	TB5 9,10	TB7 1,2	TB7 5,6	TB7 9,10			TB9 4,6	TB9 7,9	TB9 10,12

CHANNEL 2	C1 PIN	55	44	77	48	57	46	79	50	61		75	73	74	52
	FUNCTION														
	FIELD TERM	TB3 3,4	TB3 7,8	TB3 11,12	TB5 3,4	TB5 7,8	TB5 11,12	TB7 3,4	TB7 7,8	TB7 11,12			TB9 5,6	TB9 8,9	TB9 11,12

NOTE: QUANTITIES ARE FOR INFORMATION ONLY. CONTRACTOR SHALL FIELD VERIFY PRIOR TO ORDERING MATERIALS.

TRAFFIC SIGNAL INSTALLATION NO. 2

Location: 15th Street @ Spring St.

LIST OF MATERIALS	UNIT	QUANTITY
CONTROLLER CABINET ASSEMBLIES		
A. CONTROLLER UNIT, MODEL 2070 LX (Preferred)	EA	1
E. CABINET ASSEMBLY, MODEL 332	EA	1
F. SWITCH PACK (Load Switch)	EA	7
G. DC ISOLATOR	EA	3
I. LOOP DETECTOR, 4 CHANNEL	EA	4
K. 2010 SIGNAL MONITOR, TYPE B (ETHERNET) (Preferred)	EA	1
M. AUXILLARY OUTPUT FILE	EA	1
332 PREFABRICATED CONTROLLER CABINET BASE	EA	1
PC642-200 (OR EQUIVALENT), SURGE PROTECTOR	EA	1
LOOP/PED LEAD-IN WIRE (SHIELDED, TWISTED/1000 FT); 3 PAIR, 18 AWG	REEL	1
SIGNAL CABLE (14 AWG); 7 CONDUCTOR, PER 1000 FT.	REEL	2
3-SECTION, 12" SIGNAL HEAD LED - , BLACK HOUSING w/ BLACK FRONT, PLASTIC	EA	8
4-SECTION, 12" SIGNAL HEAD LED - , BLACK HOUSING w/ BLACK FRONT, PLASTIC	EA	1
1-SECTION, 16" x 18" LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, FULL HAND/MAN OVERLAP		
9" HIGH, Numbers & 12" Symbols	EA	8
PEDESTRIAN PUSHBUTTON STATION ADAPTERS (ONLY)		
9" x 15", Double Push Button Station Adapter for 4" Dia Pedestrian Pole, Adjustable	EA	2
PEDESTRIAN PUSHBUTTONS STATIONS, w/BUTTONS and SIGNS:		
9" x 15", R10-3e, (L)eft or (R)ight, Countdown	EA	8
BACK PLATE FOR ONE-WAY, 3-SECTION, 12" SIGNAL HEAD, ABS PLASTIC, YELLOW w/ RETROREFLECTIVE STRIP	EA	8
BACK PLATE FOR ONE-WAY, 4-SECTION, 12" SIGNAL HEAD, ABS PLASTIC, BLACK w/ RETROREFLECTIVE STRIP	EA	1
HARDWARE FOR MAST ARM MOUNTING	EA	9
HARDWARE FOR PEDESTAL POLE, TOP POST MOUNTING, ONE-WAY BRACKET ASSEMBLY	EA	4
HARDWARE FOR SIDE-OF-POLE MOUNTING, TWO-WAY BRACKET ASSEMBLY; CONCRETE, TIMBER, STEEL POLE	EA	2
PEDESTAL POLE & SQUARE BASE	EA	4
PULL BOX, PB-2	EA	4
PULL BOX, PB-3	EA	2
CONDUIT, 1"	LF	10
CONDUIT, RIGID, 1"	LF	10
CONDUIT, 2"	LF	40
R3-1, NO RIGHT TURN SIGN	EA	1
R3-2, NO LEFT TURN SIGN	EA	1
R10-5A, LEFT TURN YIELD ON FLASHING YELLOW ARROW	EA	1
R10-11, NO TURN ON RED	EA	1
MISCELLANEOUS MATERIALS NEEDED TO COMPLETE INSTALLATION	LUMP	LUMP

PAY ITEMS FOR TRAFFIC SIGNAL INSTALLATION #2

PAY ITEM	DESCRIPTION	UNIT
636-1041	HWY SIGNS, TP2MAT, REFL SH TP 9	SF
639-3014	STEEL STRAIN POLE, TP IV 35' MAST ARM, INCL LUMINAIRE ARM	EA
639-3014	STEEL STRAIN POLE, TP IV 25' AND 45' TANDEM MAST ARMS	EA
647-1000	TRAFFIC SIGNAL INSTALLATION NO.2	LS
653-0130	THERM PVMT MARK, ARROW, TP 3	EA
682-6222	CONDUIT, NM,TP 2, 2 IN	LF
682-6233	CONDUIT, NM,TP 3, 2 IN	LF
682-9950	DIRECTIONAL BORE, 7 IN	LF
937-1000	VIDEO CAMERA SENSOR ASSEMBLY (DUAL-PURPOSE CCTV VIDEO DETECTION)	EA
937-6150	PROGRMMING MONITOR, TYPE A	EA

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REVISION DATES

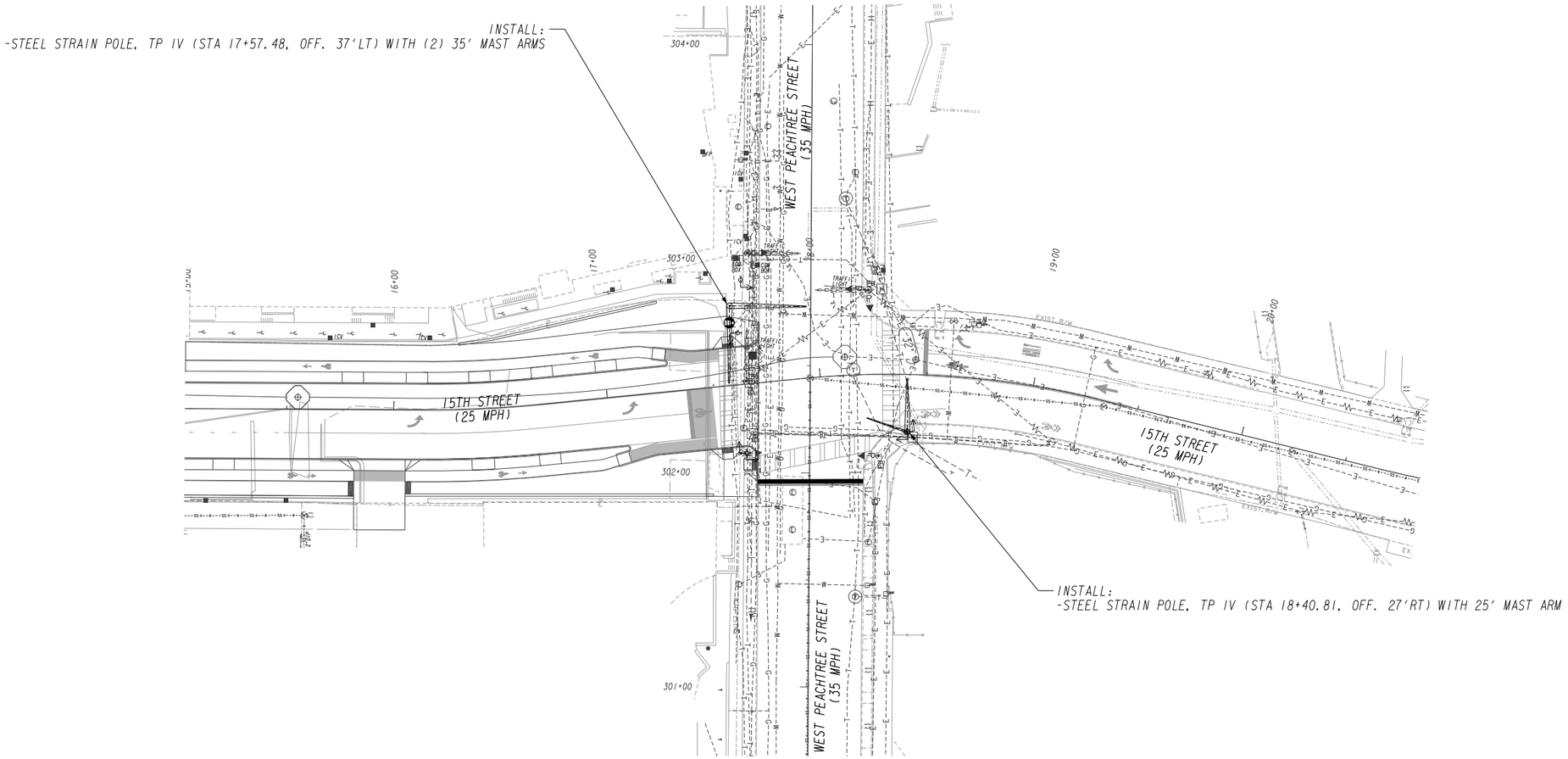
SIGNAL PLANS

TRAFFIC SIGNAL #2
INPUT ASSIGNMENTS/ LIST OF MATERIALS

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

DRAWING No. 27-0007

12/19/2019 TIME$$$	$PRFB$	DGN		P.I. No.
$USER$	$$PENTABLE$$			0015019



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SCALE IN FEET
0 30 60 120

REVISION DATES		

SIGNAL PLANS

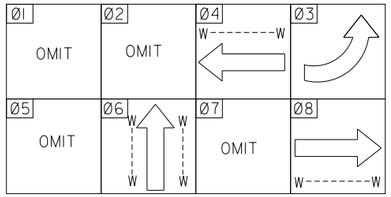
15th STREET EXTENSION
EXISTING CONDITIONS

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		27-0008
CORRECTED:		DATE:		
VERIFIED:		DATE:		

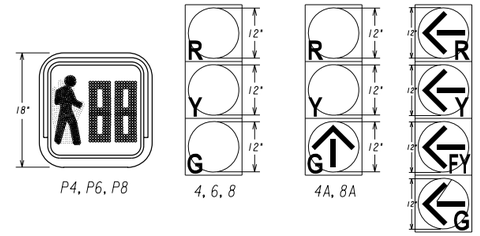
10/23/2015 GPLN

12/19/2019	TIME$$	$PRF8$	DGN		P. I. No.
$USER$		$$PENTABLE$$			0015019

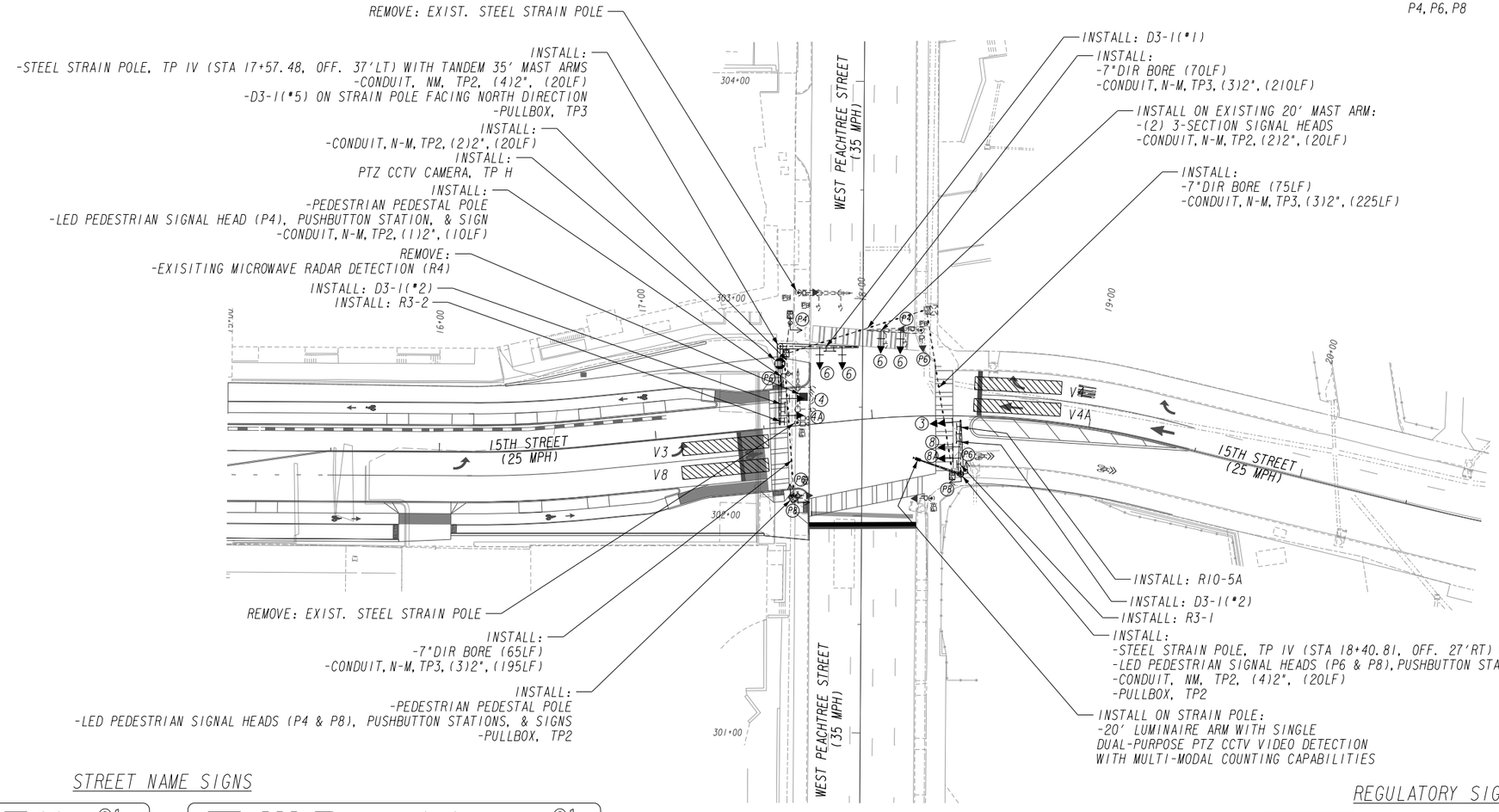
PHASING DIAGRAM



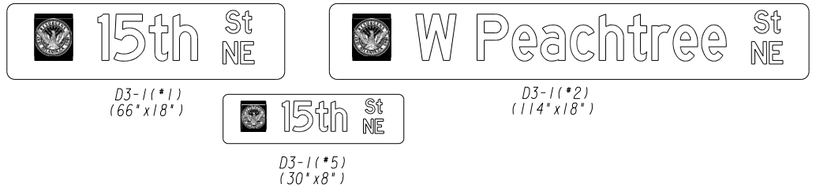
LED SIGNAL HEADS WITH RETRO-REFLECTIVE BACK PLATE



P4, P6, P8 — 4, 6, 8 — 4A, 8A — 3



STREET NAME SIGNS



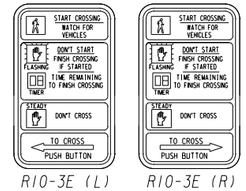
D3-1(*1) (66"x18")
D3-1(*2) (114"x18")
D3-1(*5) (30"x8")

NOTE:
1. ALL MASTARMS SHALL BE SWING AWAY TRUSS AND EQUIPMENT LABELED "DECORATIVE" SHOULD BE PAINTED "CODA GREEN."

REGULATORY SIGNS

R10-5A 30" x 36" — R3-2 24" x 24" — R3-1 24" x 24"

PEDESTRIAN SIGNS



R10-3E (L) 9" x 15" — R10-3E (R) 9" x 15"

SIGNAL LEGEND

- PROPOSED SIGNAL HEAD
- EXISTING SIGNAL HEAD
- RELOCATED SIGNAL HEAD
- PROPOSED 4-SECTION SIGNAL HEAD
- PROPOSED 5-SECTION (CLUSTER) SIGNAL HEAD
- PEDESTRIAN SIGNAL HEAD

DETECTION LEGEND

- PROPOSED VIRTUAL DETECTION ZONE
- PROPOSED INDUCTIVE LOOP
- PROPOSED VIDEO DETECTION CAMERA
- PROPOSED MAGNETOMETER
- PROPOSED RADAR

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0 30 60 120

REVISION DATES		

SIGNAL PLANS
TRAFFIC SIGNAL #3
WEST PEACHTREE ST @ 15TH ST
15th STREET EXTENSION

				DRAWING No.
CHECKED:		DATE:		27-0009
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN

332 CABINET INPUT ASSIGNMENTS

SLOT	I	2	3	4	5	6	7	8	9	I0	II	I2	I3	I4

UPPER INPUT FILE

	TYPE	DET	DET	DET	DET	DET	DET	DET	DET	DET	TBA	TBA	DC	DC	DC
	CARD					4CH	4CH						DC ISO	DC ISO	DC ISO
CHANNEL 1	CI PIN	56	39	63	47	58	41	65	49	60		80	67	68	81
	FUNCTION					R3	R4A							06 PED	FLASH
	FIELD TERM	TB2 1,2	TB2 5,6	TB2 9,10	TB4 1,2	TB4 5,6	TB4 9,10	TB6 1,2	TB6 5,6	TB6 9,10			TB8 4,6	TB8 7,9	N/C

CHANNEL 2	CI PIN	56	43	76	47	58	45	78	49	62		53	69	70	82
	FUNCTION						R4B							08 PED	STOP TIME
	FIELD TERM	TB2 3,4	TB2 7,8	TB2 11,12	TB4 3,4	TB4 7,8	TB4 11,12	TB6 3,4	TB6 7,8	TB6 11,12			TB8 5,6	TB8 8,9	N/C

LOWER INPUT FILE

	TYPE	DET	DET	DET	DET	DET	DET	DET	DET	DET	TBA	TBA	DC	DC	DC
	CARD						4CH								
CHANNEL 1	CI PIN	55	40	64	48	57	42	66	50	59		54	71	72	51
	FUNCTION						R8								
	FIELD TERM	TB3 1,2	TB3 5,6	TB3 9,10	TB5 1,2	TB5 5,6	TB5 9,10	TB7 1,2	TB7 5,6	TB7 9,10			TB9 4,6	TB9 7,9	TB9 10,12

CHANNEL 2	CI PIN	55	44	77	48	57	46	79	50	61		75	73	74	52
	FUNCTION														
	FIELD TERM	TB3 3,4	TB3 7,8	TB3 11,12	TB5 3,4	TB5 7,8	TB5 11,12	TB7 3,4	TB7 7,8	TB7 11,12			TB9 5,6	TB9 8,9	TB9 11,12

NOTE: QUANTITIES ARE FOR INFORMATION ONLY. CONTRACTOR SHALL FIELD VERIFY PRIOR TO ORDERING MATERIALS.

TRAFFIC SIGNAL INSTALLATION NO. 3

Location: 15th Street @ West Peachtree St.

LIST OF MATERIALS	UNIT	QUANTITY
CONTROLLER CABINET ASSEMBLIES		
I. LOOP DETECTOR, 4 CHANNEL	EA	3
LOOP/PED LEAD-IN WIRE (SHIELDED, TWISTED/1000 FT); 3 PAIR, 18 AWG	REEL	2
SIGNAL CABLE (14 AWG); 7 CONDUCTOR, PER 1000 FT.	REEL	2
3-SECTION, 12" SIGNAL HEAD LED - , BLACK HOUSING w/ BLACK FRONT, PLASTIC	EA	8
4-SECTION, 12" SIGNAL HEAD LED - , BLACK HOUSING w/ BLACK FRONT, PLASTIC	EA	1
1-SECTION, 16" x 18" LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, FULL HAND/MAN OVERLAP		
9" HIGH, Numbers & 12" Symbols	EA	6
PEDESTRIAN PUSHBUTTON STATION ADAPTERS (ONLY)		
9" x 15", Double Push Button Station Adapter for 4" Dia Pedestrian Pole, Adjustable	EA	2
PEDESTRIAN PUSHBUTTONS STATIONS, w/BUTTONS and SIGNS:		
9" x 15", R10-3e, (L)eft or (R)ight, Countdown	EA	5
BACK PLATE FOR ONE-WAY, 3-SECTION, 12" SIGNAL HEAD, ABS PLASTIC, YELLOW w/ RETROREFLECTIVE STRIP	EA	8
BACK PLATE FOR ONE-WAY, 4-SECTION, 12" SIGNAL HEAD, ABS PLASTIC, BLACK w/ RETROREFLECTIVE STRIP	EA	1
HARDWARE FOR MAST ARM MOUNTING	EA	9
HARDWARE FOR PEDESTAL POLE, TOP POST MOUNTING, ONE-WAY BRACKET ASSEMBLY	EA	1
HARDWARE FOR PEDESTAL POLE, TOP POST MOUNTING, TWO-WAY BRACKET ASSEMBLY	EA	2
HARDWARE FOR SIDE-OF-POLE MOUNTING, TWO-WAY BRACKET ASSEMBLY; CONCRETE, TIMBER, STEEL POLE	EA	1
PEDESTAL POLE & SQUARE BASE	EA	3
PULL BOX, PB-2	EA	2
PULL BOX, PB-3	EA	1
CONDUIT, 1"	LF	10
CONDUIT, RIGID, 1"	LF	10
CONDUIT, 2"	LF	40
R3-1, NO RIGHT TURN SIGN	EA	1
R3-2, NO LEFT TURN SIGN	EA	1
R10-5A, LEFT TURN YIELD ON FLASHING YELLOW ARROW	EA	1
MISCELLANEOUS MATERIALS NEEDED TO COMPLETE INSTALLATION	LUMP	LUMP

PAY ITEMS FOR TRAFFIC SIGNAL INSTALLATION #3

PAY ITEM	DESCRIPTION	UNIT
610-6872	REM STEEL STRAIN POLE	EA
610-9001	REM SIGN	EA
636-1041	HWY SIGNS, TP2MAT, REFL SH TP 9	SF
639-3014	STEEL STRAIN POLE, TP IV 25' MAST ARM, INCL LUMINAIRE ARM	EA
639-3014	STEEL STRAIN POLE, TP IV 35' AND 35' TANDEM MAST ARMS	EA
647-1000	TRAFFIC SIGNAL INSTALLATION NO.3	LS
682-6222	CONDUIT, NM,TP 2, 2 IN	LF
682-6233	CONDUIT, NM,TP 3, 2 IN	LF
682-9950	DIRECTIONAL BORE, 7 IN	LF
936-1000	CCTV SYSTEM, TYPE H	EA
937-1000	VIDEO CAMERA SENSOR ASSEMBLY (DUAL-PURPOSE CCTV VIDEO DETECTION)	EA
937-6150	PROGRMMING MONITOR, TYPE A	EA

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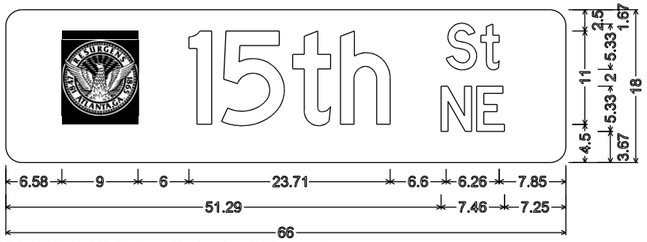
REVISION DATES

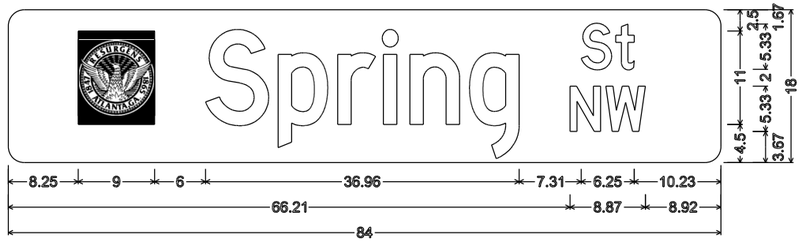
SIGNAL PLANS

TRAFFIC SIGNAL #3
INPUT ASSIGNMENTS/ LIST OF MATERIALS

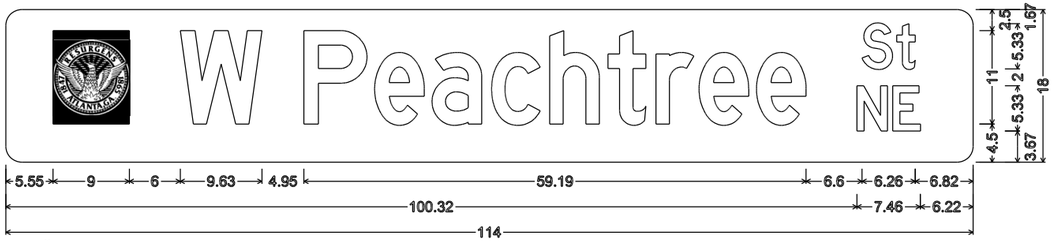
CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	27-0010
VERIFIED:		DATE:	



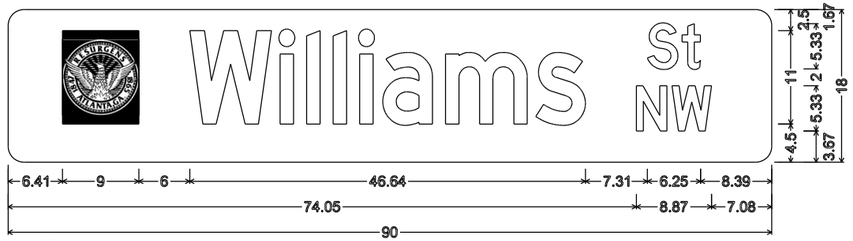
D3-1(#1); 1.88" Radius, No border, White on Green;
"15th" D Georgia 45% spacing; "St" D Georgia 50% spacing;
"NE" D Georgia 50% spacing;



D3-1(#3); 1.88" Radius, No border, White on Green;
"Spring" D Georgia 45% spacing; "St" D Georgia 50% spacing; "NW" D Georgia 50% spacing;

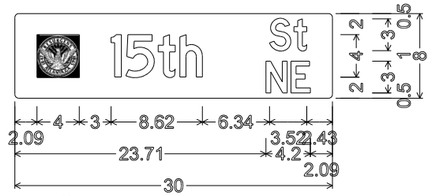


D3-1(#2); 1.88" Radius, No border, White on Green;
"W Peachtree" D Georgia 45% spacing; "St" D Georgia 50% spacing; "NE" D Georgia 50% spacing;



D3-1(#4); 1.88" Radius, No border, White on Green;
"Williams" D Georgia 45% spacing; "St" D Georgia 50% spacing; "NW" D Georgia 50% spacing;

SIGN QUANTITIES - TP 2 MATERIAL, TP 9 REFLECTIVE SHEETING						
LOCATION	CODE	QUANT.	LENGTH (IN)	WIDTH (IN)	AREA	MOUNTING
Williams Street @ 15th Street						
	D3-1 (#1)	1	66	18	8.25	MAST ARM
	D3-1 (#4)	1	90	18	11.25	MAST ARM
Spring Street @ 15th Street						
	D3-1 (#1)	1	66	18	8.25	MAST ARM
	D3-1 (#3)	2	84	18	21.00	MAST ARM
	D3-1 (#5)	1	30	8	1.67	STRAIN POLE
W Peachtree @ 15th Street						
	D3-1 (#1)	1	66	18	8.25	MAST ARM
	D3-1 (#2)	2	114	18	28.50	MAST ARM
	D3-1 (#5)	1	30	8	1.67	STRAIN POLE



D3-1(#5);
0.38" Radius, No border, White on Green;
"15th" D Georgia 45% spacing;
"St" D Georgia 50% spacing;
"NE" D Georgia 50% spacing;

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REVISION DATES

SIGNAL PLANS
OVERHEAD STREET NAME SIGNS/ DETAILS

CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	27-0011
VERIFIED:		DATE:	

EXISTING UTILITIES

- EXISTING GUY WIRE
- EX.OH ELECTRIC
- EX POWER POLE
- EX TRANSFORMER
- EX.UG ELECTRIC
- EX GAS LINE
- GM EX GAS METER
- GV EX GAS VALVE
- EX WATER LINE
- FH EX FIRE HYDRANT
- WM EX WATER METER
- WV EX WATER VALVE
- SS EX SANITARY SEWER
- EX SS MANHOLE
- EX TELEPHONE MH
- EX OH TELEPHONE
- EX TELEPHONE POLE
- T EX UG TELEPHONE
- EX OH CABLE TV
- TV EX UG CABLE TV
- EX STORM DRAIN
- EX CATCH BASIN
- EX DROP INLET
- SD EX SD MANHOLE

COMMUNICATION ITEMS

- PROPOSED CCTV SYSTEM WITH STRAIN POLE AND TYPE D CABINET
- EXISTING CCTV SYSTEM
- EXISTING STRAIN POLE
- PB PROPOSED PULL BOX
- PB EXISTING PULL BOX
- PROPOSED POWER SERVICE POINT LOCATION
- FOA PROPOSED AERIAL FIBER COMMUNICATIONS
- FOA EXISTING AERIAL FIBER COMMUNICATIONS
- PROPOSED UNDERGROUND FIBER COMMUNICATIONS
- EXISTING UNDERGROUND FIBER COMMUNICATIONS
- PROPOSED BRIDGE ATTACHED FIBER COMMUNICATIONS
- PROPOSED CONDUIT
- EXISTING CONDUIT
- STEEL STRAND WIRE
- PROPOSED AERIAL CLOSURE
- EXISTING AERIAL CLOSURE
- EXISTING AERIAL MAINTENANCE COIL
- PROPOSED AERIAL MAINTENANCE COIL
- EXISTING SIGNAL CABINET
- EXISTING 4 DOOR SIGNAL CABINET
- EXISTING ELECTRICAL COMMUNICATION BOX
- PROPOSED TYPE D CABINET
- PROPOSED 4 DOOR TYPE D CABINET
- TS-XXX TRAFFIC SIGNAL ID #
- CCTV GWI-XXX CCTV SYSTEM ID #
- SNOWSHOE

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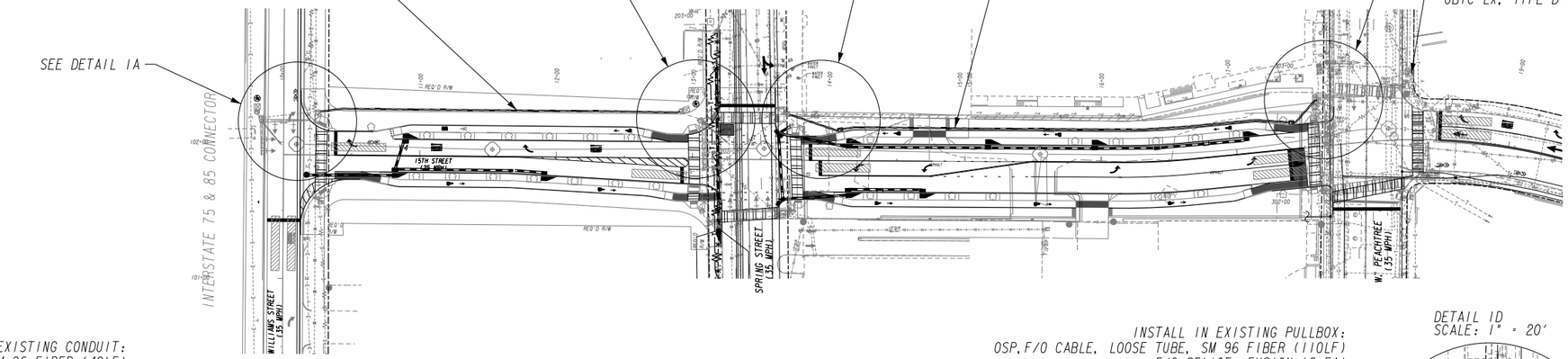
SCALE: N.T.S.

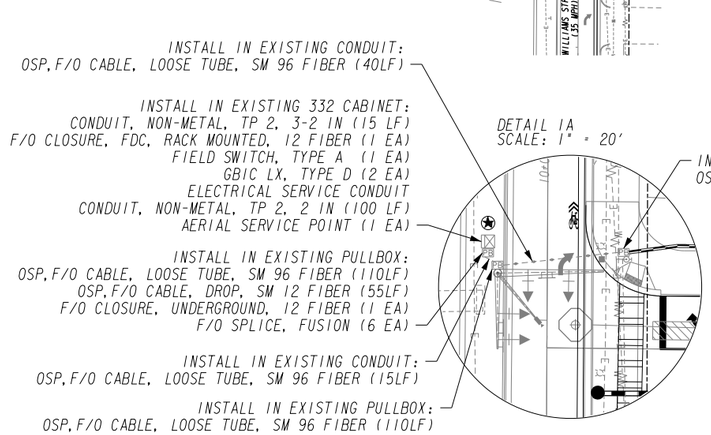
REVISION DATES

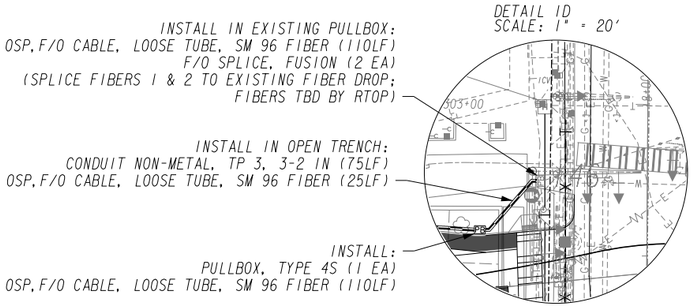
ITS PLANS

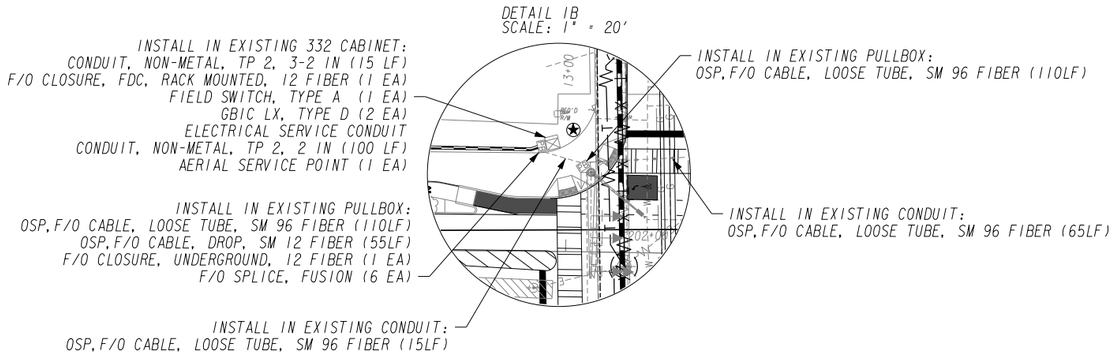
15TH STREET EXTENSION

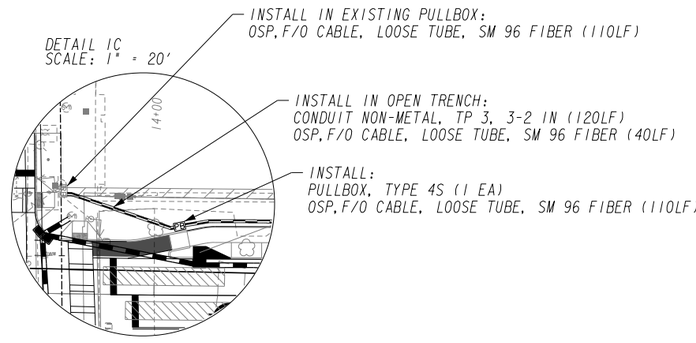
CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		28-0001
CORRECTED:		DATE:		
VERIFIED:		DATE:		











NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING FIBER RUNS.

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SCALE IN FEET
0 50 100 200

REVISION DATES		

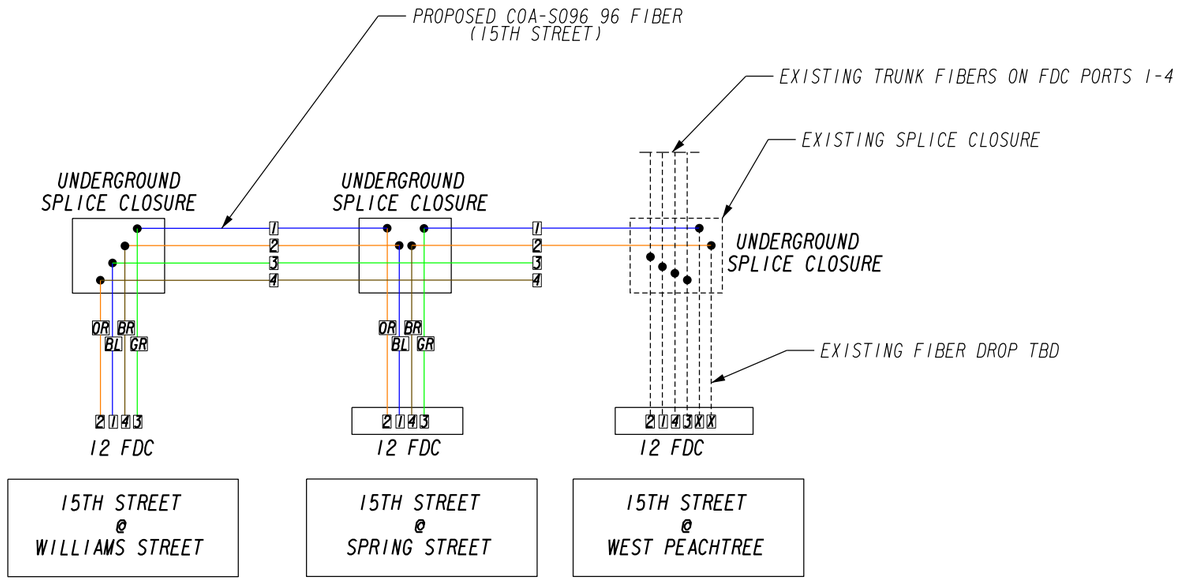
ITS PLANS
15TH STREET EXTENSION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		28-0002
CORRECTED:		DATE:		
VERIFIED:		DATE:		

12/18/2019 GPLN

DATE$$$ TIME$$$ | $PRF8$ | DGN | P. I. No. 0015019

$USER$ | $$PENTABLE$$



NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING FIBER RUNS.
2. THE CONTRACTOR AT WEST PEACHTREE SHALL SPLICE FIBERS 1 & 2 FROM ORANGE TUBE OF THE 96 FIBER TO THE EXISTING DROP CABLE IN EXISTING SPLICE CLOSURE. FIBERS TBD.
3. CONTRACTOR SHALL REPLACE EXISTING FIELD SWITCH WITH NEW FIELD SWITCH, TYPE B (3 PORT).
4. RTOP 2 TO SUPPLY IP ADDRESSES.
5. THE CONTRACTOR SHALL RETURN THE EXISTING FIELD SWITCH TO GDOT.

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REVISION DATES

ITS PLANS

15TH STREET EXTENSION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		28-0003
CORRECTED:		DATE:		
VERIFIED:		DATE:		

12/18/2019 GPLN

FIBER ALLOCATION TABLE

Ring	Intersection	Trunk Cable and Fiber #	Splice to Cable or FDC	Drop Fiber Function	Destination	GBIC(SFP)
	15th Street at Williams St	COA-S096-1	DF-S096-D001-3	RX-1	Spring St	LX
		COA-S096-2	DF-S096-D001-4	TX-1		
		COA-S096-3	DF-S096-D001-1	TX-2	West Peachtree St	LX
		COA-S096-4	DF-S096-D001-2	RX-2		
	15th Street at Spring St	COA-S096-1	DF-S096-D002-3	RX-1	Williams St	LX
		COA-S096-2	DF-S096-D002-4	TX-1		
		COA-S096-3	DF-S096-D002-1	TX-2	West Peachtree St	LX
		COA-S096-4	DF-S096-D002-2	RX-2		
	15th Street at West Peachtree St	COA-S096-1	DF-S096-D003-X	RX-1	Spring St	LX
		COA-S096-2	DF-S096-D003-X	TX-1		
		COA-S096-3	DF-S096-D003-1	TX-2	Williams St	LX
		COA-S096-4	DF-S096-D003-2	RX-2		

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JACOBS™

REVISION DATES

ITS PLANS

15TH STREET EXTENSION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		28-0004
CORRECTED:		DATE:		
VERIFIED:		DATE:		

12/18/2019 GPLN

REFERENCE NOTES SCHEDULE

SYMBOL	CURB DESCRIPTION
C-01	GRANITE CURB, REFER CIVIL DETAILS
SYMBOL	**PAVING DESCRIPTION**
P-01	CONCRETE SIDEWALK, REFER CIVIL DETAILS
P-02	CONCRETE PAVEMENT IN FURNITURE ZONE, REFER CIVIL SHEETS
P-03	CONCRETE BIKE LANE, REFER CIVIL SHEETS
P-04	PAINTED STRIPE
P-06	CONCRETE DRIVEWAY, REFER CIVIL SHEETS
P-07	CONCRETE RAMP AT END OF BIKE LANE, 1/12 SLOPE, REFER CIVIL SHEETS

SYMBOL	SITE FURNISHINGS DESCRIPTION
S-03	COA STANDARD STREET LIGHT TYPE C. 60` SPACING. REFER ELECTRICAL SHEETS
S-04	COA STANDARD STREET LIGHT TYPE CH. 60` SPACING. REFER ELECTRICAL SHEETS
S-05	RECYCLING RECEPTACLES. REFER MIDTOWN GUIDELINES.
S-06	TRASH RECEPTACLES. REFER MIDTOWN STREETSCAPE GUIDELINES.
S-07	BIKE RACK. REFER MINDTOWN STREETSCAPE GUIDELINES FOR PLACEMENT AND STYLES.

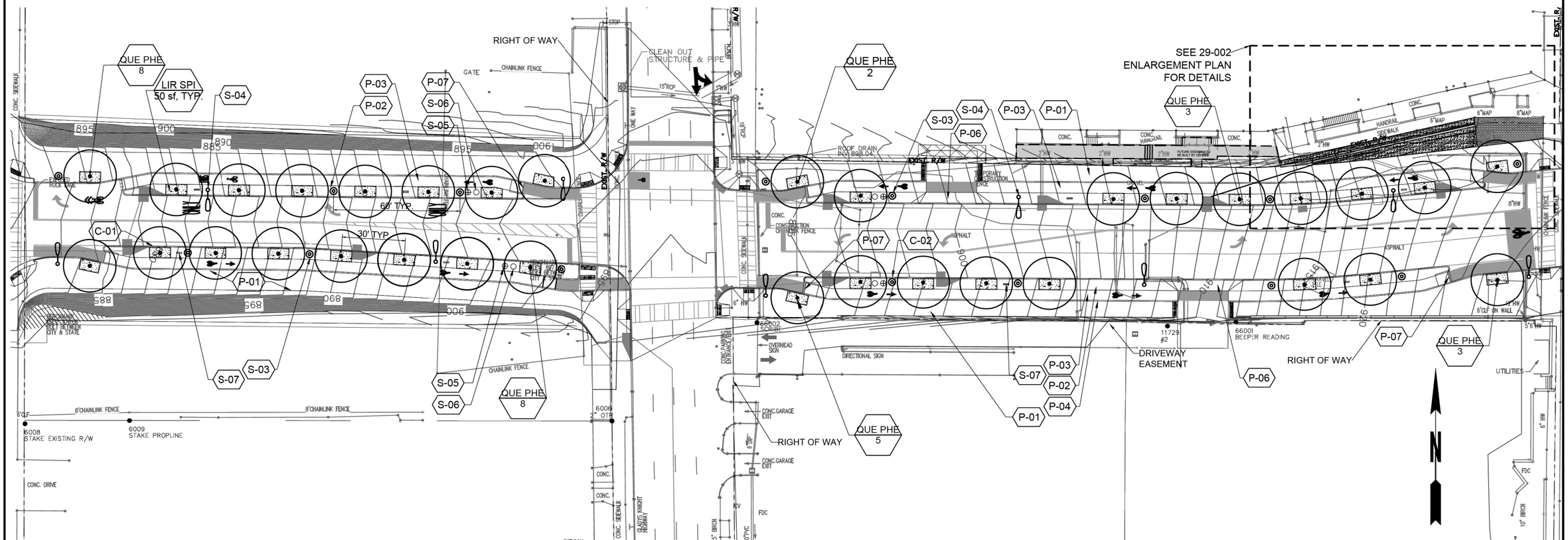
NOTE: REFERENCE GDOT SPECIFICATION 702 - VINE, SHRUB, AND TREE PLANTING TO ENSURE PROPER INSTALLATIONS OF ALL LANDSCAPE MATERIALS

PLANT SCHEDULE

DECIDUOUS TREES	CODE	QTY	OVERALL	PLAZA	BOTANICAL NAME	COMMON NAME	CONDITION		REMARKS
●	QUE PHE	33	29	4	QUERCUS PHELLOS 'ASCENDOR'	WILLOW OAK 'ASCENDOR'	B & B		B&B. 4" CAL, PER PLAN. LIMITED UP FOR PEDESTRIAN CLEARANCE.
SHRUB AREAS	**CODE**	**QTY**	**OVERALL**	**PLAZA**	**BOTANICAL NAME**	**COMMON NAME**	**CONDITION**	**SPACING**	**REMARKS**
	LIR SPI	2,380 SF	1,452 SF	928 SF	LIRIOPE SPICATA	CREEPING LILY TURF	CONT.		18 COUNT FLAT, 12" O.C

FURNITURE SCHEDULE

Item	Qty
COA STANDARD STREET LIGHT TYPE C	15
COA STANDARD STREET LIGHT TYPE CH	9
RECYCLING RECEPTACLES	4
TRASH RECEPTACLES	4
BIKE RACK	8



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

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

Jacobs

SCALE IN FEET
0 50 100 200

REVISION DATES

LANDSCAPING PLANS
15TH STREET EXTENSION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		29-0001
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN

REFERENCE NOTES SCHEDULE

SYMBOL	PAVING DESCRIPTION
P-01	CONCRETE SIDEWALK, REFER CIVIL DETAILS

SYMBOL	SITE FURNISHINGS DESCRIPTION
S-03	COA STANDARD STREET LIGHT TYPE C. 60` SPACING. REFER ELECTRICAL SHEETS
S-04	COA STANDARD STREET LIGHT TYPE CH. 60` SPACING. REFER ELECTRICAL SHEETS

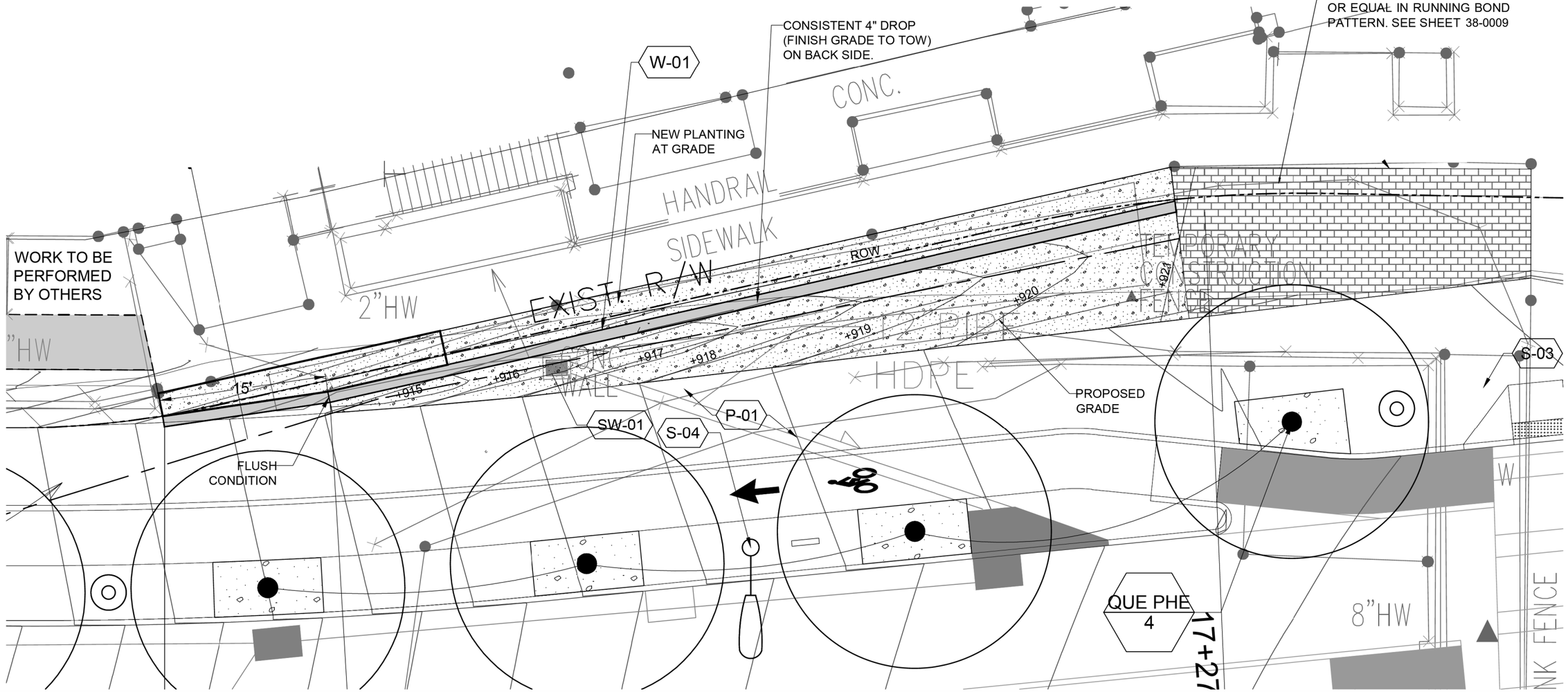
SYMBOL	OTHERS DESCRIPTION
SW-01	DROP INLET. REFER CIVIL SHEETS.

SYMBOL	WALL DESCRIPTION
W-01	CAST IN PLACE CONCRETE RETAINING WALL, RUBBED FINISH, EXPRESSED TIE BOLTS

NOTE: REFERENCE GDOT SPECIFICATION 702 - VINE, SHRUB, AND TREE PLANTING TO ENSURE PROPER INSTALLATIONS OF ALL LANDSCAPE MATERIALS.

PLANT SCHEDULE

DECIDUOUS TREES	CODE	QTY	OVERALL	PLAZA	BOTANICAL NAME	COMMON NAME	CONDITION		REMARKS
⊙	QUE PHE	33	29	4	QUERCUS PHELLOS 'ASCENDOR'	WILLOW OAK 'ASCENDOR'	B & B		B&B. 4" CAL, PER PLAN. LIMITED UP FOR PEDESTRIAN CLEARANCE.
SHRUB AREAS	CODE	QTY	OVERALL	PLAZA	BOTANICAL NAME	COMMON NAME	CONDITION	SPACING	REMARKS
	LIR SPI	2,380 SF	1,452 SF	928 SF	LIRIOPE SPICATA	CREEPING LILY TURF	CONT.		18 COUNT FLAT, 12" O.C



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

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

Jacobs

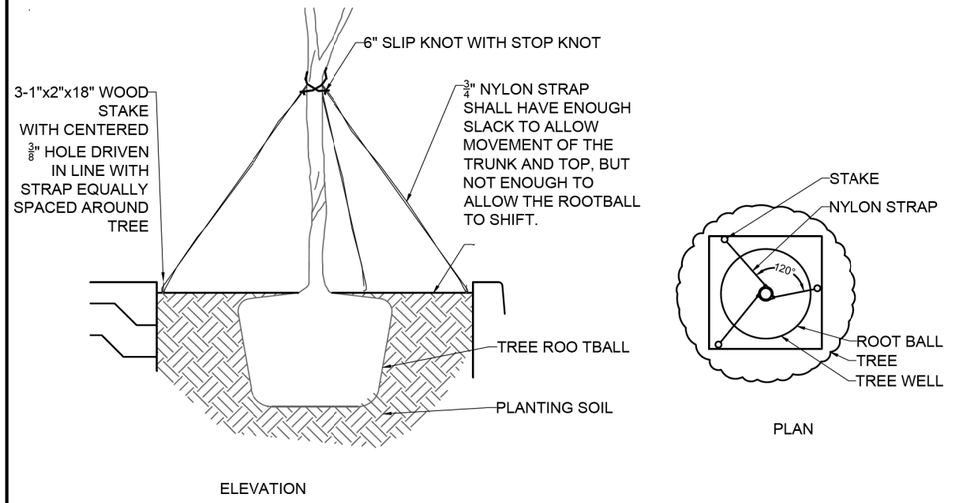
SCALE IN FEET
0 10 20 40

REVISION DATES
09/09/2022

LANDSCAPING PLANS
15TH STREET EXTENSION

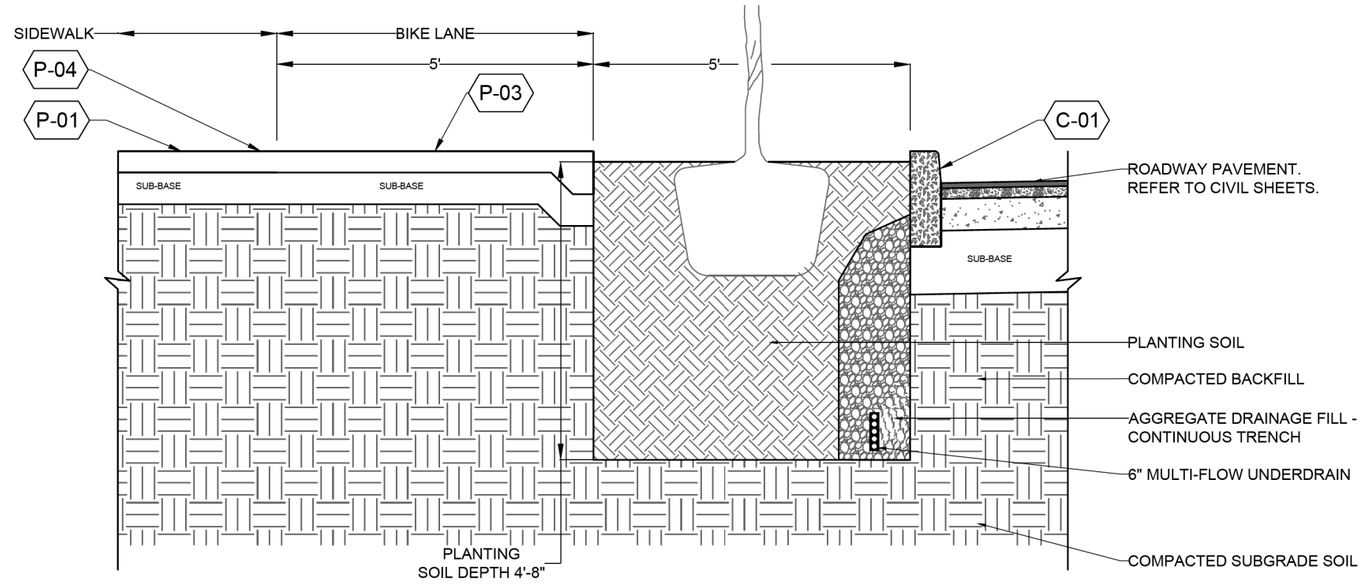
CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		29-0002
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN



1 TYPICAL TREE STAKING DETAIL

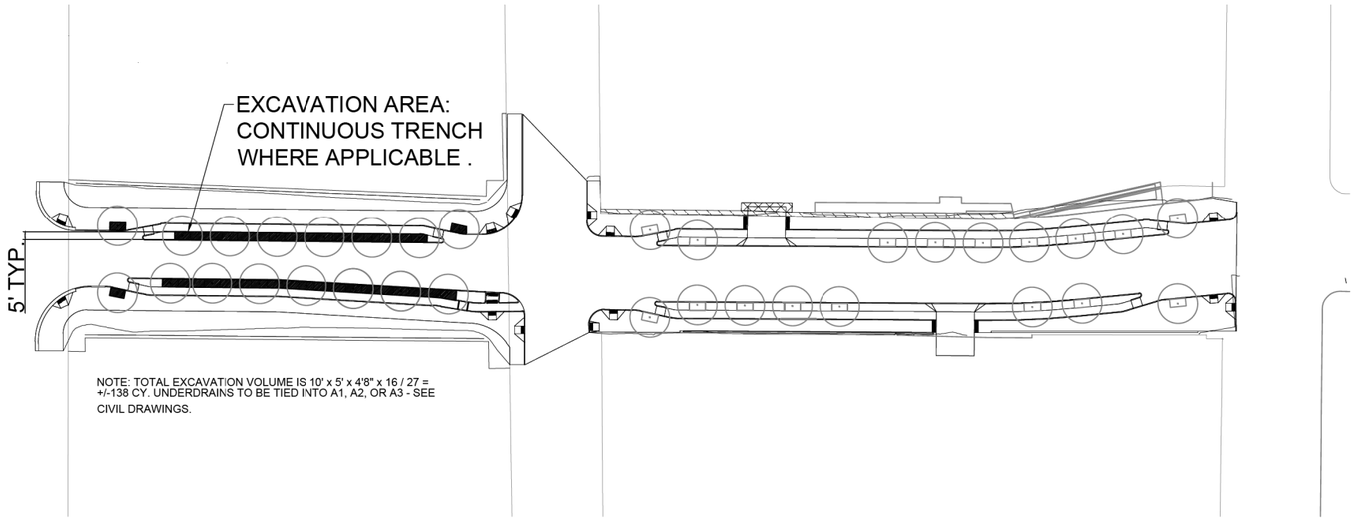
NTS



NOTE: SEE http://multi-flow.com/products/6-inch/ FOR MORE INFORMATION ABOUT MULTI-FLOW DRAIN.

2 SIDEWALK TO CURB TYPICAL SECTION - UNDERDRAIN SYSTEM

Scale: 1"=30'



3 EXCAVATION AREA PLAN

Scale: 1"=100'

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

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

Jacobs

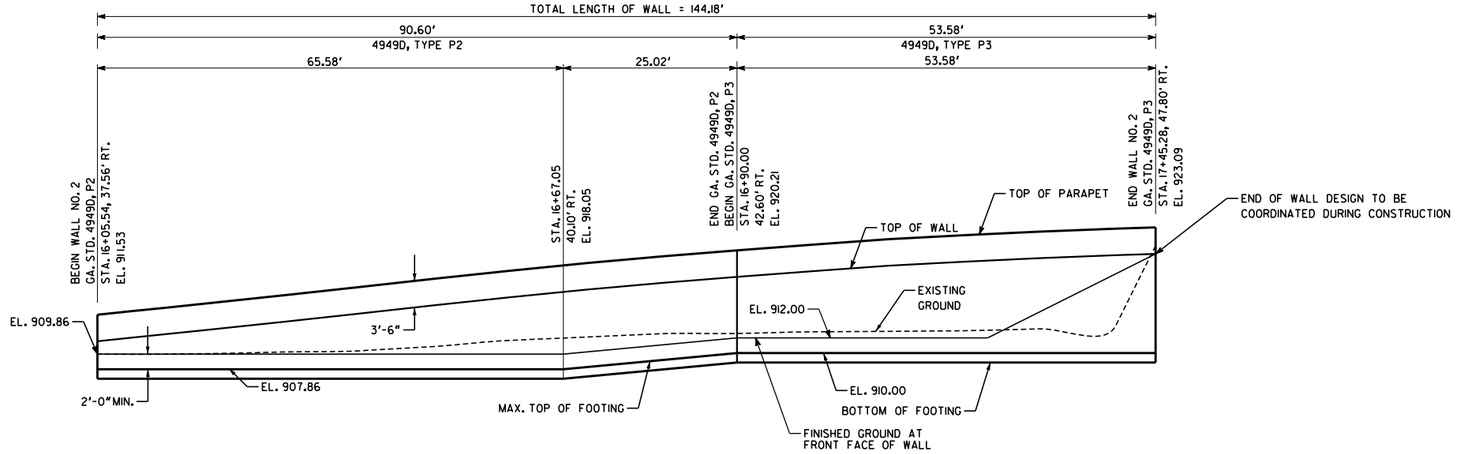
SCALE IN FEET
0 30 60 120

REVISION DATES

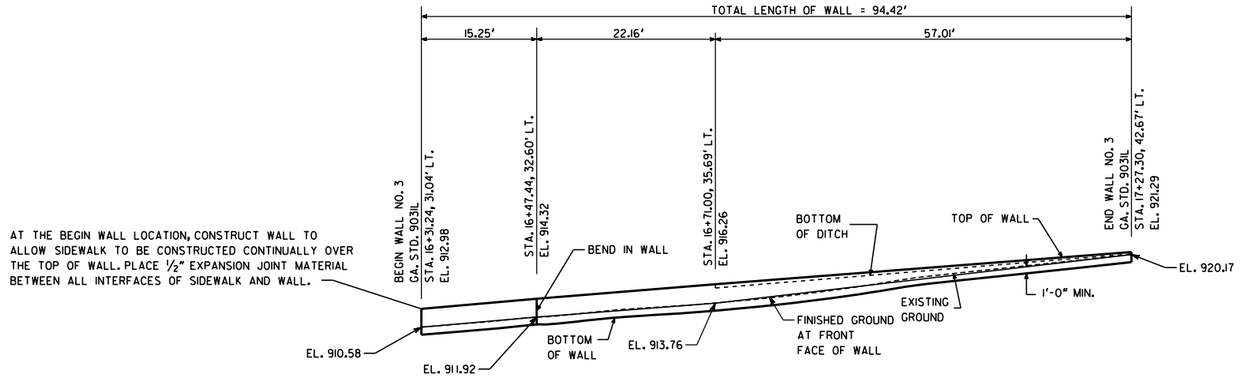
LANDSCAPING PLANS
15TH STREET EXTENSION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		29-0003
VERIFIED:		DATE:		

10/23/2015 GPLN



ELEVATION - WALL NO. 2
PARAPET RETAINING WALL - GA STANDARD DETAIL 4949D
NOTE: STATIONS AND OFFSETS MEASURED ALONG INSIDE FACE OF PARAPET.



ELEVATION - WALL NO. 3
GRAVITY WALL - GA STANDARD DETAIL 9031L
REFER TO GDOT D-49 FOR THE DETAILS OF THE DITCH BEHIND THE WALL
NOTE: STATIONS AND OFFSETS MEASURED ALONG FRONT FACE OF WALL.

Jacobs

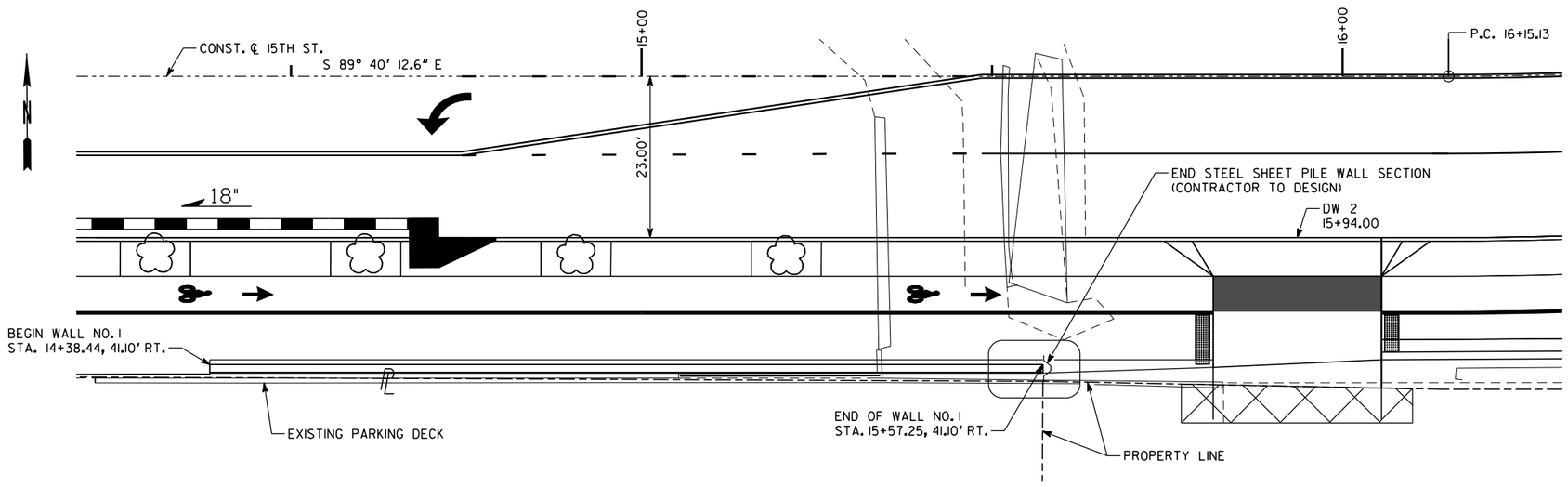
SCALE: 1" = 10' HORIZONTAL
1" = 10' VERTICAL

REVISION DATES

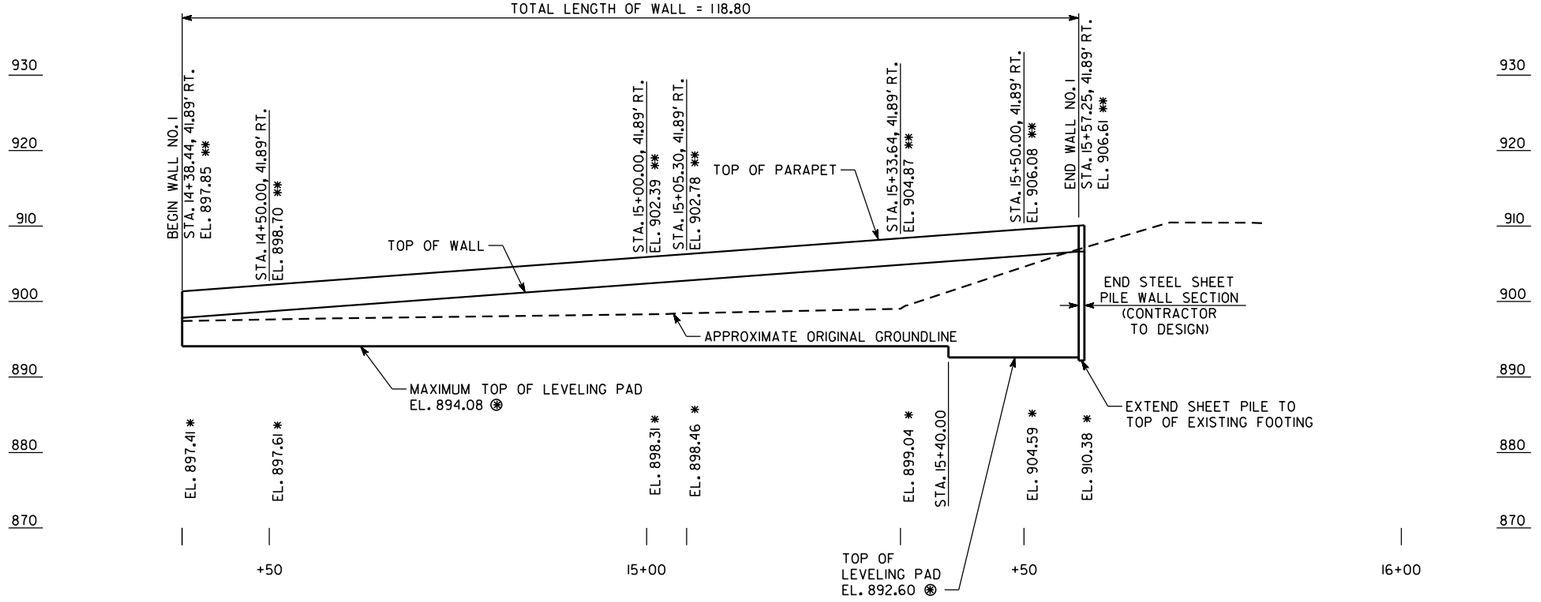
RETAINING WALL ENVELOPES
15TH STREET EXTENSION

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

10/23/2015 GPLN



PLAN

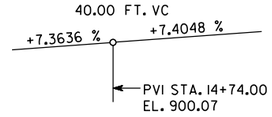


ELEVATION

(FRONT FACE OF WALL SHOWN)

NOTES

1. ** ELEVATIONS SHOWN ARE PROPOSED TOP OF WALL ELEVATIONS.
2. * ELEVATIONS SHOWN ARE APPROXIMATE ORIGINAL GROUNDLINE ELEVATIONS.
3. ⊛ MAXIMUM TOP OF LEVELING PAD ELEVATION.
4. CONTRACTOR TO COORDINATE ALL CONSTRUCTION ACTIVITIES WITH CONSTRUCTION ON ADJACENT PROPERTIES.
5. COST OF CONTRACTOR DESIGNED STEEL SHEET PILING TO BE INCLUDED IN THE BID PRICE FOR "MSE WALL FACE" AND SHALL INCLUDE THE COST OF DESIGN, FURNISHING, AND INSTALLATION.



VERTICAL CURVE DATA

I INCH WHEN PRINTED FULL SIZE

WALL NO. 1

Jacobs
JACOBS ENGINEERING GROUP, INC
TEN 10TH STREET NE, SUITE 1400
ATLANTA, GA 30309
(404) 978-7385

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

GEORGIA REGISTERED No. 44063 PROFESSIONAL ENGINEER BRETT K. RAKITA

WALL NO. 1 - PLAN AND ELEVATION
15TH STREET EXTENSION

FULTON COUNTY 0015019

SCALE : 1" = 10'-0" (UNLESS NOTED OTHERWISE) JULY 2021

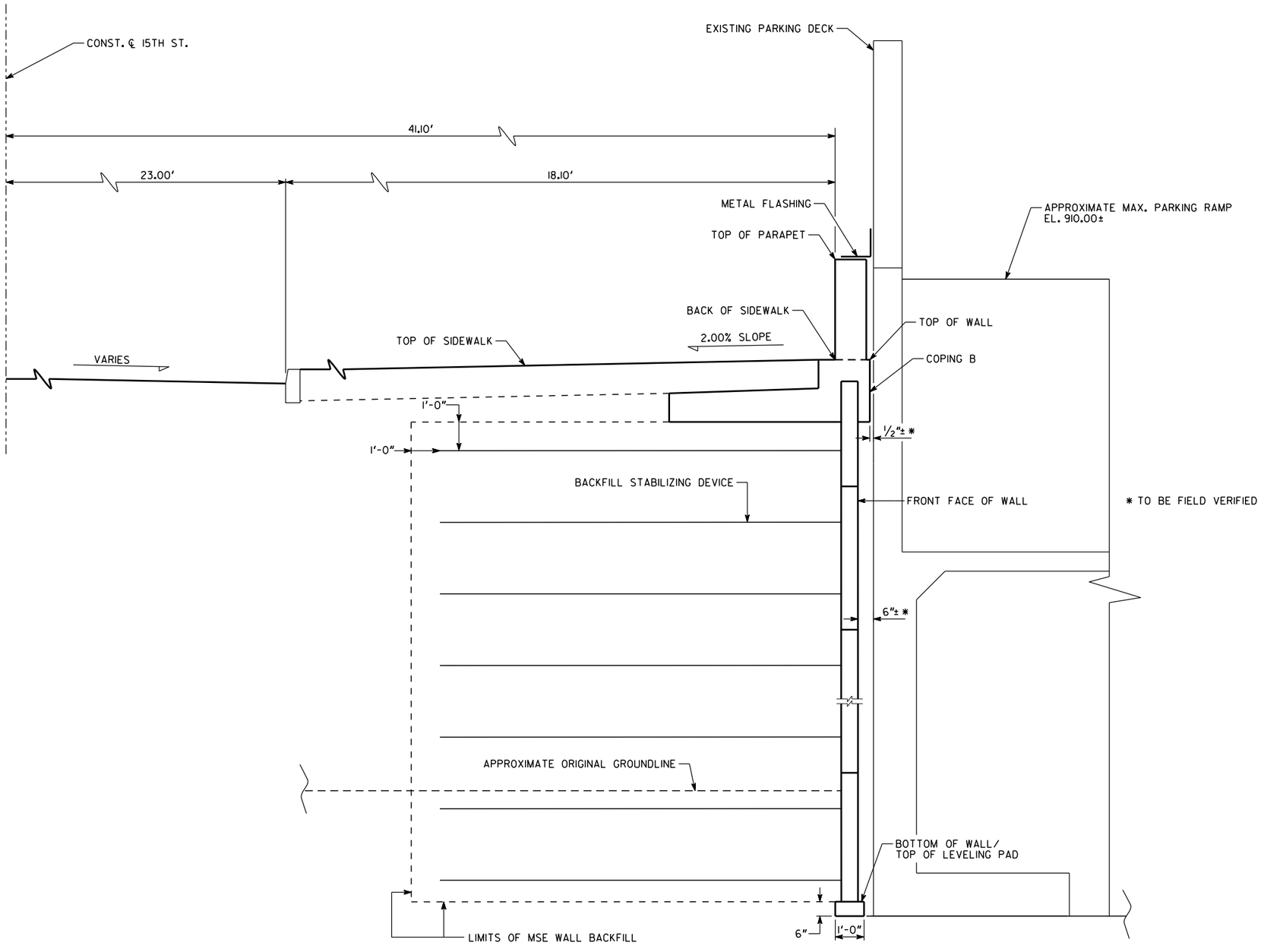
DRAWING NO. 32-0001

WALL SHEET 1 OF 3

DESIGNED	NMZ	CHECKED	BKR	REVIEWED	DLC/SKG
DRAWN	NMZ	DESIGN GROUP	DDF	APPROVED	DPD

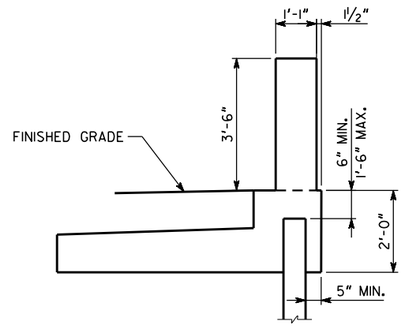
DATE | REVISIONS | BY

P.I. NO. 0015019



TYPICAL SECTION

MSE WALL
(NTS)



COPING B

(NTS)

1 INCH WHEN PRINTED FULL SIZE

WALL NO. 1

Jacobs
JACOBS ENGINEERING GROUP, INC
TEN 10TH STREET NE, SUITE 1400
ATLANTA, GA 30309
(404) 978-7385

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

GEORGIA REGISTERED No. 44063 PROFESSIONAL ENGINEER BRETT K. RAKITA

WALL NO. 1 - TYPICAL SECTION
15TH STREET EXTENSION

FULTON COUNTY 0015019

SCALE: 1" = 10'-0" (UNLESS NOTED OTHERWISE) JULY 2021

DRAWING NO. 32-0002

WALL SHEET 2 OF 3

DESIGNED	NMZ	CHECKED	BKR	REVIEWED	DLC/SKG
DRAWN	NMZ	DESIGN GROUP	DDF	APPROVED	DPD

DATE
REVISIONS
BY

GDOT | P.I. NO. 0015019

GENERAL NOTES

SPECIFICATIONS - GEORGIA STANDARD SPECIFICATIONS, 2021 EDITION AS MODIFIED BY CONTRACT DOCUMENTS.

REINFORCING STEEL - PLACE AND TIE ALL REINFORCING STEEL IN ACCORDANCE WITH THE GEORGIA DOT SPECIFICATIONS. DO NOT WELD REINFORCING STEEL.

FINISH - NO ARCHITECTURAL FINISH IS REQUIRED, UNLESS OTHERWISE STATED IN THE CONTRACT DOCUMENTS.

FINISH - PROVIDE PLAIN CONCRETE FINISH.

GRAFFITI PROOF COATING - ALL MSE WALL PANELS SHALL HAVE A GRAFFITI PROOF COATING AS PER SECTION 838 OF THE GEORGIA DOT SPECIFICATIONS.

CONCRETE COVER - MAINTAIN 2 INCHES COVER MINIMUM ON ALL REINFORCING STEEL.

STATIONS AND OFFSETS - STATIONS SHOWN ARE ALONG CONST. CL 15TH STREET. OFFSETS SHOWN ARE MEASURED TO THE FRONT FACE OF WALL FOR A WALL WITH COPING, GUTTERLINE FOR WALLS WITH BARRIER, OR INSIDE FACE OF PARAPET FOR WALLS WITH SIDEWALK.

DIMENSIONS AND ELEVATIONS - VERIFY ALL DIMENSIONS AND ELEVATIONS IN THE FIELD PRIOR TO FABRICATION OF MECHANICALLY STABILIZED EARTH WALL SYSTEM. MAXIMUM TOP OF LEVELING PAD ELEVATIONS HAVE BEEN SET TO MATCH PLAN FOUNDATION ELEVATION DATA FOR ADJACENT PARKING STRUCTURE TO ALLOW FOR POTENTIAL DEMOLITION. VERIFY PARKING STRUCTURE FOUNDATION AND ENSURE EMBEDMENT OF LEVELING PAD.

TEMPORARY SHORING - PROVIDE TEMPORARY SHORING AS NECESSARY FOR WALL CONSTRUCTION.

JOINTS - PROVIDE ONE INCH EXPANSION JOINT IN COPING OR BARRIER AT EVERY FOURTH PANEL. IF BARRIER IS CAST SEPARATELY FROM COPING, ALL JOINTS MUST COINCIDE.

WELDING - ALL WELDING ON GEORGIA DOT PROJECTS SHALL BE PERFORMED BY GDOT CERTIFIED WELDERS THAT HAVE IN THEIR POSSESSION A CURRENT WELDING CERTIFICATION CARD ISSUED BY THE OFFICE OF MATERIALS AND TESTING. USE ONLY E70XX (EXCLUDING E7014 AND E7024) LOW HYDROGEN ELECTRODES FOR MANUAL SHIELDED METAL ARC WELDING.

WALL PLANS - THE RETAINING WALL IS CONSIDERED A CONTRACTOR DESIGN. THESE WALL PLANS ARE CONCEPTUAL AND ARE FOR ILLUSTRATIVE PURPOSES ONLY. EXACT NUMBER OF SOIL REINFORCING STRIPS, THEIR LOCATIONS AND LENGTHS SHALL BE PROVIDED BY THE CONTRACTOR FOR THE WALL SYSTEM BID. THE PRESENCE OF THESE CONCEPTUAL PLANS IN THE CONTRACT DOCUMENTS IN NO WAY RELIEVES THE CONTRACTOR FROM PROVIDING A WALL SYSTEM WHICH PROVIDES STRUCTURAL ADEQUACY, IN ACCORDANCE WITH SECTION 627 OF THE GEORGIA DOT SPECIFICATIONS, AT THE BID PRICE.

WALL DESIGN CALCULATIONS - PROVIDE WALL DESIGN CALCULATIONS FOR EACH WALL DESIGN SECTION. CALCULATIONS SHALL INCLUDE THE VERIFICATION OF EXTERNAL STABILITY AND GLOBAL STABILITY, AS WELL AS THE DESIGN FOR INTERNAL STABILITY.

INCIDENTAL ITEMS - INCLUDE THE COST INCIDENTAL TO THE WORK THAT IS NOT SPECIFICALLY COVERED BY THE GEORGIA STANDARD SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS AND/OR SPECIAL PROVISIONS IN THE OVERALL BID SUBMITTED. THIS INCLUDES THE COST OF JOINT FILLERS, NEOPRENE PADS, WATERPROOFING AND OTHER INCIDENTAL ITEMS NECESSARY TO COMPLETE THE WORK.

OTHER GEOTECHNICAL INFORMATION - VIBRATION MONITORING IS REQUIRED DUE TO VIBRATIONS FROM CONSTRUCTION ACTIVITIES WHICH MAY CAUSE SOME CONCERN WITH PROPERTY OWNERS. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH SPECIAL PROVISION 154: VIBRATION MONITORING.

DESIGN DATA

SPECIFICATIONS ---------- AASHTO LRFD 8TH EDITION, 2017

SOIL TYPE AND PROFILE ---------- SITE CLASSIFICATION D

DESIGN LIVE LOAD SURCHARGE (SERVICE) ---------- 0.250 KSF

ESTIMATED SETTLEMENT:
- WALL HEIGHT 10'-4 3/8" ---------- 2 IN
- WALL HEIGHT 12'-11 1/2" ---------- 2.50 IN
- WALL HEIGHT 17'-3 1/4" ---------- 1 IN

RETAINED BACKFILL:
- COHESION ---------- 0 PSF
- ANGLE OF INTERNAL FRICTION --------- 30°
- UNIT WEIGHT ---------- 120 PCF

FOUNDATION SOIL:
- COHESION ---------- 0 PSF
- ANGLE OF INTERNAL FRICTION --------- 33°
- UNIT WEIGHT ---------- 120 PCF

SOIL REINFORCEMENT NOTES:
1. H = DESIGN HEIGHT, INCLUDING EMBEDMENT
2. THE REINFORCEMENT LENGTHS PROVIDED ARE THE MINIMUM LENGTHS REQUIRED FOR EXTERNAL STABILITY. THE REINFORCEMENT LENGTHS USED IN THE CONSTRUCTION OF THE RETAINING WALL SHALL BE THE LONGER OF THAT REQUIRED FOR EXTERNAL STABILITY AND INTERNAL STABILITY, AS DETERMINED BY THE PROPRIETARY WALL COMPANY.

MINIMUM BASE WIDTH / STRAP LENGTH

WALL HEIGHT (H) (FT)	LOCATION	BASE WIDTH/ STRAP LENGTH, B (FT)
10.36	14+38 TO 15+00, RT.	10
12.95	15+00 TO 15+33, RT.	12
17.27	15.33 TO 15+82, RT	14

SUMMARY OF QUANTITIES

PAY ITEM NUMBER	QUANTITY	UNIT	PAY ITEM
627-1000	580	SF	MSE WALL FACE, 0 - 10 FT HT, WALL NO - 1
627-1010	419	SF	MSE WALL FACE, 10 - 20 FT HT, WALL NO - 1
627-1120	119	LF	COPING B, WALL NO - 1

WALL NO. 1

1 INCH WHEN PRINTED FULL SIZE

GEORGIA REGISTERED No. 44063 PROFESSIONAL ENGINEER BRETT K. RAKITA

DRAWING NO. 32-0003

WALL SHEET 3 OF 3

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JACOBS ENGINEERING GROUP, INC
TEN 10TH STREET NE, SUITE 1400
ATLANTA, GA 30309
(404) 978-7385

DATE | REVISIONS | BY

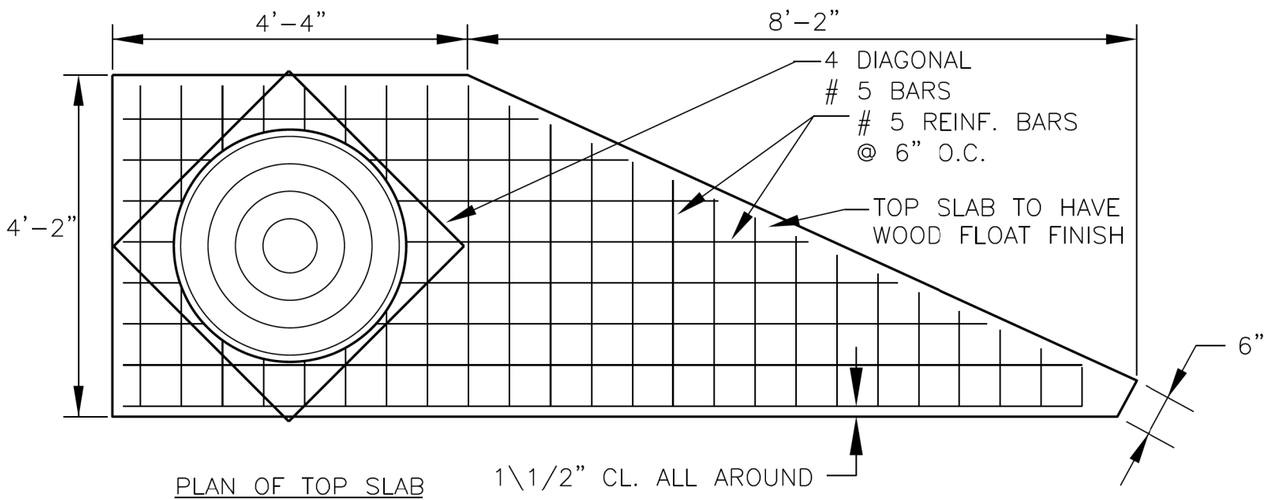
GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

WALL NO. 1- GENERAL NOTES
15TH STREET EXTENSION

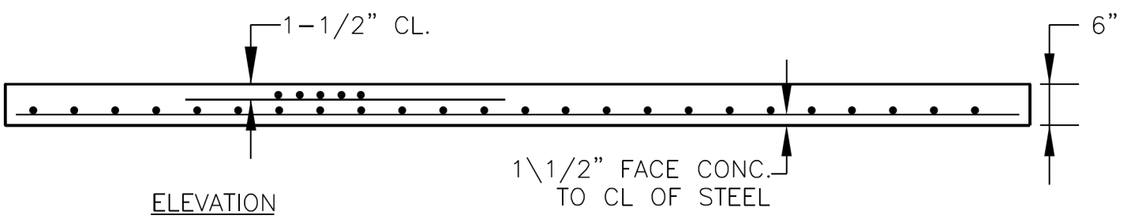
FULTON COUNTY 0015019

SCALE : NO SCALE JULY 2021

DESIGNED	NMZ	CHECKED	BKR	REVIEWED	DLC/SKG
DRAWN	NMZ	DESIGN GROUP	DDF	APPROVED	DPD



PLAN OF TOP SLAB



ELEVATION

STEEL PLACEMENT

NOTE:
SEE CITY OF ATLANTA STANDARD LIGHT CASTING FRAME AND COVER FOR CASTING DETAILS, DETAIL NO. MH-3A

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.
	TYPE "C" CATCH BASIN	DETAIL NO. SW-G_CB001

SPECIAL CONSTRUCTION DETAIL
15TH STREET EXTENSION
TYPE "C" CATCH BASIN

DRAWING No. 38-0001

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

REVISION DATES

Jacobs

P.I. No. 0015019

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GPLN

10/23/2015

NOTES:

1. INLET STRUCTURE PHYSICAL DESIGN SHALL PROVIDE TOP SLAB AND FLOW OPENING CONFIGURATION EQUAL TO THE DIMENSIONAL REQUIREMENTS OF GDOT 1033D, 1034D.

2. INLET STRUCTURE STRUCTURAL DESIGN SHALL CONFORM TO ACI 318 AND AASHTO STANDARD SPECIFICATION FOR HIGH BRIDGES, (LATEST EDITIONS). LIVE LOADS FOR DESIGN SHALL INCLUDE HS20 TRAFFIC.

3. INLET STRUCTURE RAW MATERIALS SHALL MEET OR EXCEED THE LATEST EDITION OF THE FOLLOWING SPECIFICATIONS:
   CONCRETE – CLASS AA OR APPROVED EQUAL (TINDALL MIX 47)
   REINFORCING BAR – ASTM A706, GRADE 60
   REINFORCING WIRE – AASHTO M32 AND ASTM A82
   MANHOLE FRAME AND COVER – "TINDALL" CAST IN PLACE TOP FACE OF FRAME & COVER.

4. INLET STRUCTURE MANUFACTURE SHALL CONFORM TO LATEST EDITION OF ASTM C913, WITH PRODUCTION IN A NPCA AND PCI CERTIFIED PLANT.

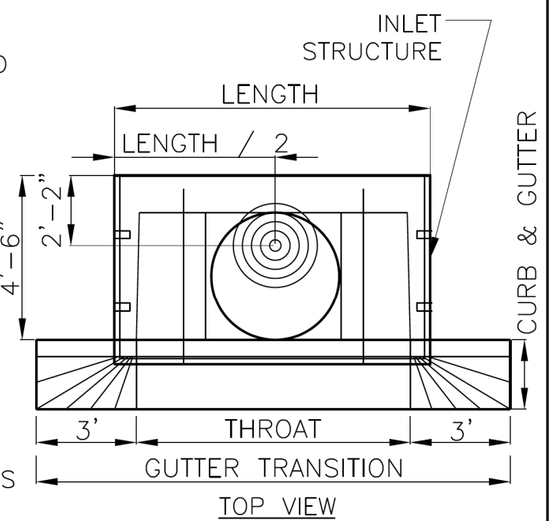
5. LIFT POINT DESIGN SHALL CONFORM TO OSHA STANDARD 1926.704.

6. EXTERIOR OF TOP SLAB SHALL HAVE A BROOM FINISH. ALL OTHER SURFACES SHALL HAVE STANDARD FORM FINISH.

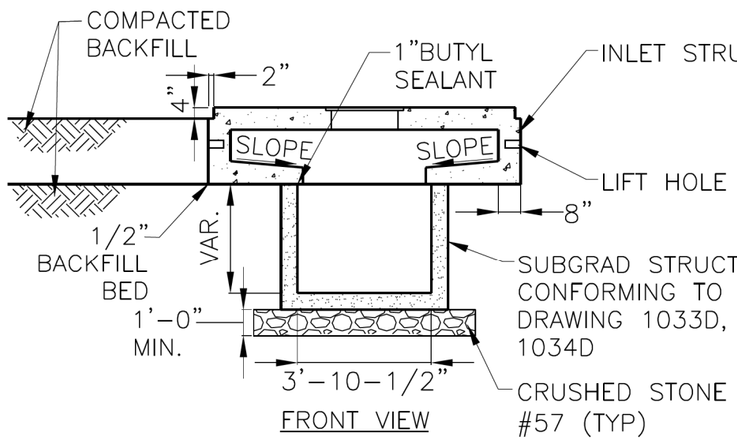
7. FIELD GROUTED SLOPE ON DOWNSTREAM TROUGH REQUIRED ON TYPE 17 CURB GRADES ABOUT 4% TO MAINTAIN 24:1

8. FIELD GROUTED SLOPE ON DOWNSTREAM TROUGH REQUIRED ON TYPE 18 CURB GRADES ABOUT 0% TO MAINTAIN 24:1

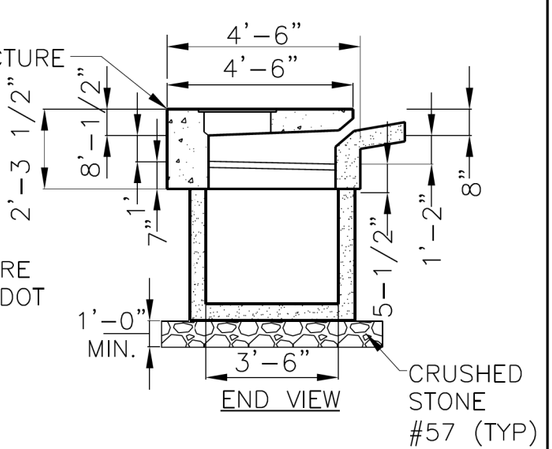
9. BUTYL RUBBER SEALANT SHALL MEET THE REQUIREMENTS OF SECTION 714.03 OF THE SCDHPT STANDARD SPECIFICATIONS AND AASHTO M198, TYPE B.



TOP VIEW



FRONT VIEW



END VIEW

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 2001 ORIG. DATE: NOV 2004 SCALE: N.T.S.
	MODIFIED TYPE "C" CATCH BASIN	DETAIL NO. SW-G_CB002

SPECIAL CONSTRUCTION DETAIL
15TH STREET EXTENSION
MODIFIED TYPE "C" CATCH BASIN
DRAWING No. 38-0002

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

REVISION DATES

Jacobs

P.I. No. 0015019

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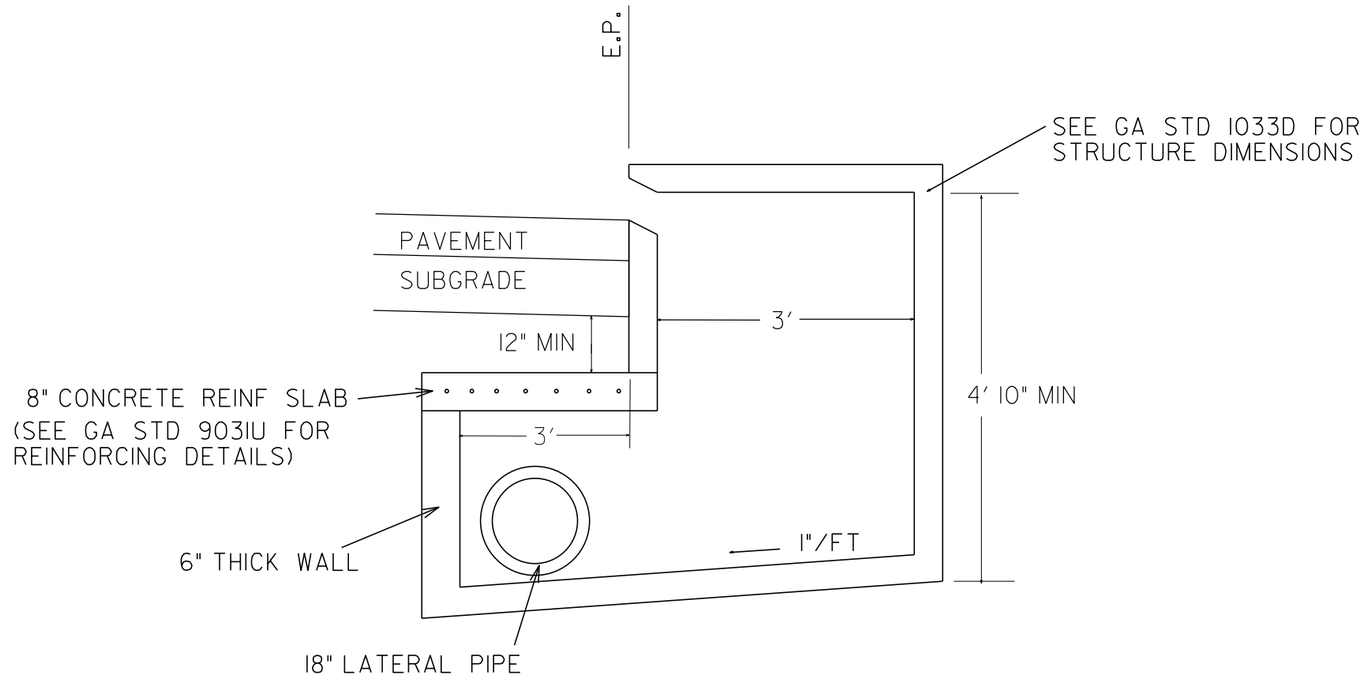
1/6/2022
Thomas16

GPLW
02/23/2015



SPECIAL DESIGN EXTENDED BOX 1033F CATCH BASIN

(TO BE USED WITH STRUCTURES A-2, A-3, A-4, C-5, C-6, C-7)

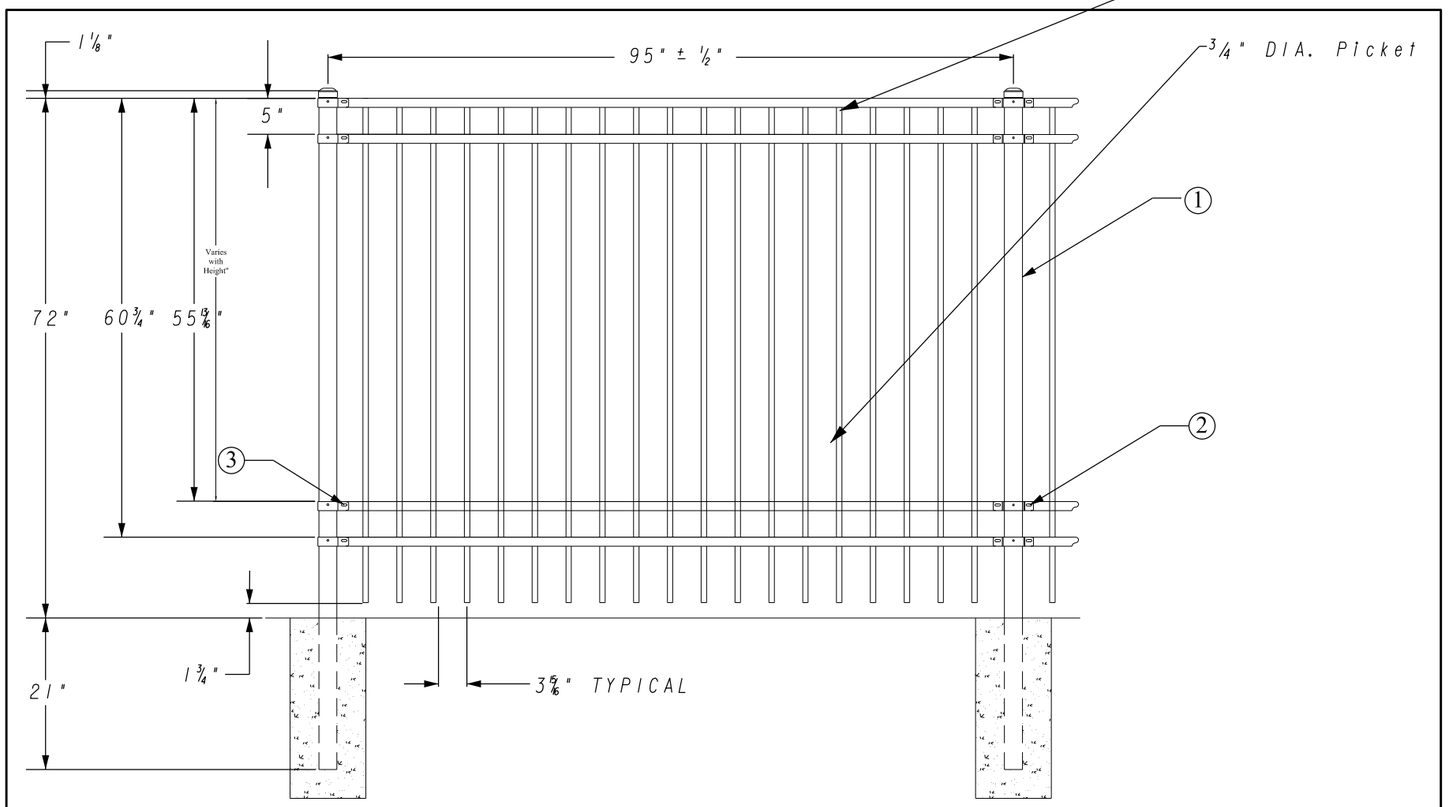
(FOR STRUCTURES C-2, C-3, C-4,
SEE SHEETS 38-0010 FOR DETAILS)

REVISION DATES
03-20-2023

SPECIAL CONSTRUCTION DETAIL
15TH STREET EXTENSION
EXTENDED BOX 1033F CATCH BASIN

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		38-0003
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN



PANEL BRACKET OPTIONS		① POST TO POST 8' NOMINAL
②	ABX3 LINE BOULEVARD BRACKET (AS SHOWN)	95" ½" 2½" DIA.
③	ABX4 END BOULEVARD BRACKET (AS SHOWN)	95" ½" 2½" DIA.
	ABX5 CORNER BOULEVARD BRACKET	95" ½" 2½" DIA.
	ABXIFLAT MOUNT BRACKET	95" ½" 2½" DIA. 95½" ½" 3 " DIA.
	ABX2 SWIVEL BRACKET	96½" ½" 2½" DIA. 97" ½" 3 " DIA.

ECHELON PLUS PANEL MAJESTIC

Ground Mount Only
(not for walls)

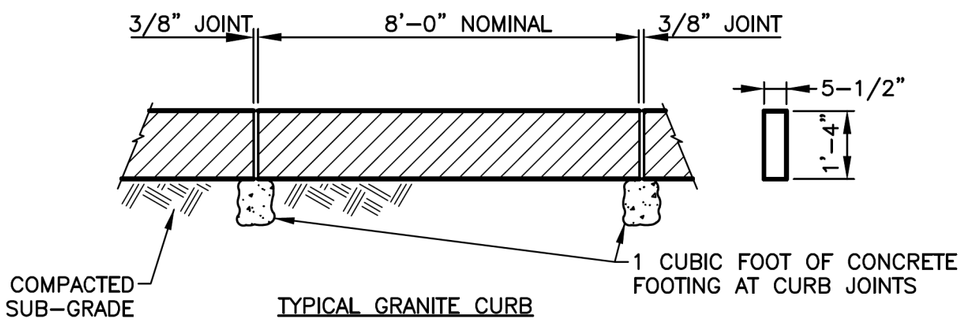
10-18-18

REVISION DATES		

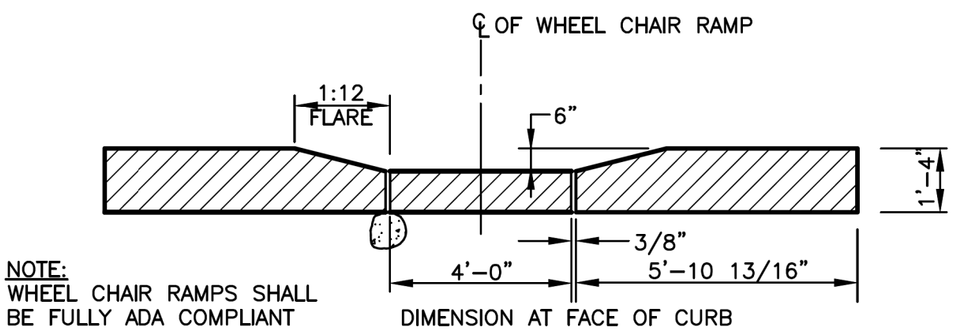
SPECIAL CONSTRUCTION DETAIL
ORNAMENTAL FENCE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		38-0004
CORRECTED:		DATE:		
VERIFIED:		DATE:		

NOTE:
GRADE A GRANTIE CURB
SPLIT FACE, AND SAWED
TOP



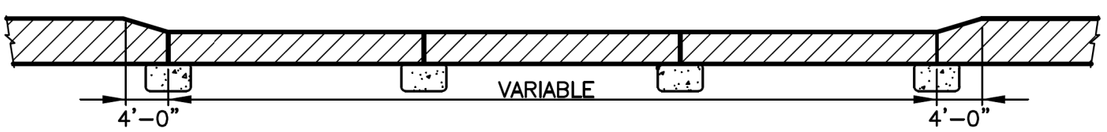
TYPICAL GRANITE CURB



NOTE:
WHEEL CHAIR RAMPS SHALL
BE FULLY ADA COMPLIANT

DIMENSION AT FACE OF CURB

GRANITE CURB DETAIL AT WHEEL CHAIR RAMP



GRANITE CURB DETAIL AT DRIVEWAY

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.
	GRANITE CURB AT DRIVEWAY	DETAIL NO. TR-B_CG002

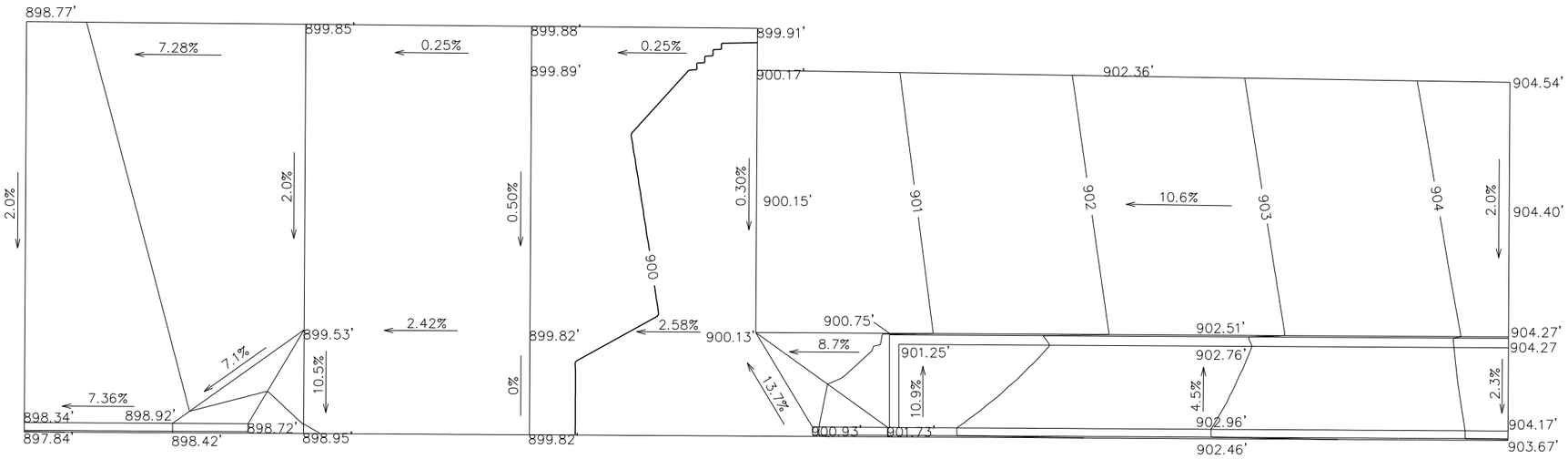
REVISION DATES

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

SPECIAL CONSTRUCTION DETAIL
GRANITE CURB AT DRIVEWAY

DRAWING NO. 38-0005

P.I. No. 001519



Jacobs

REVISION DATES		

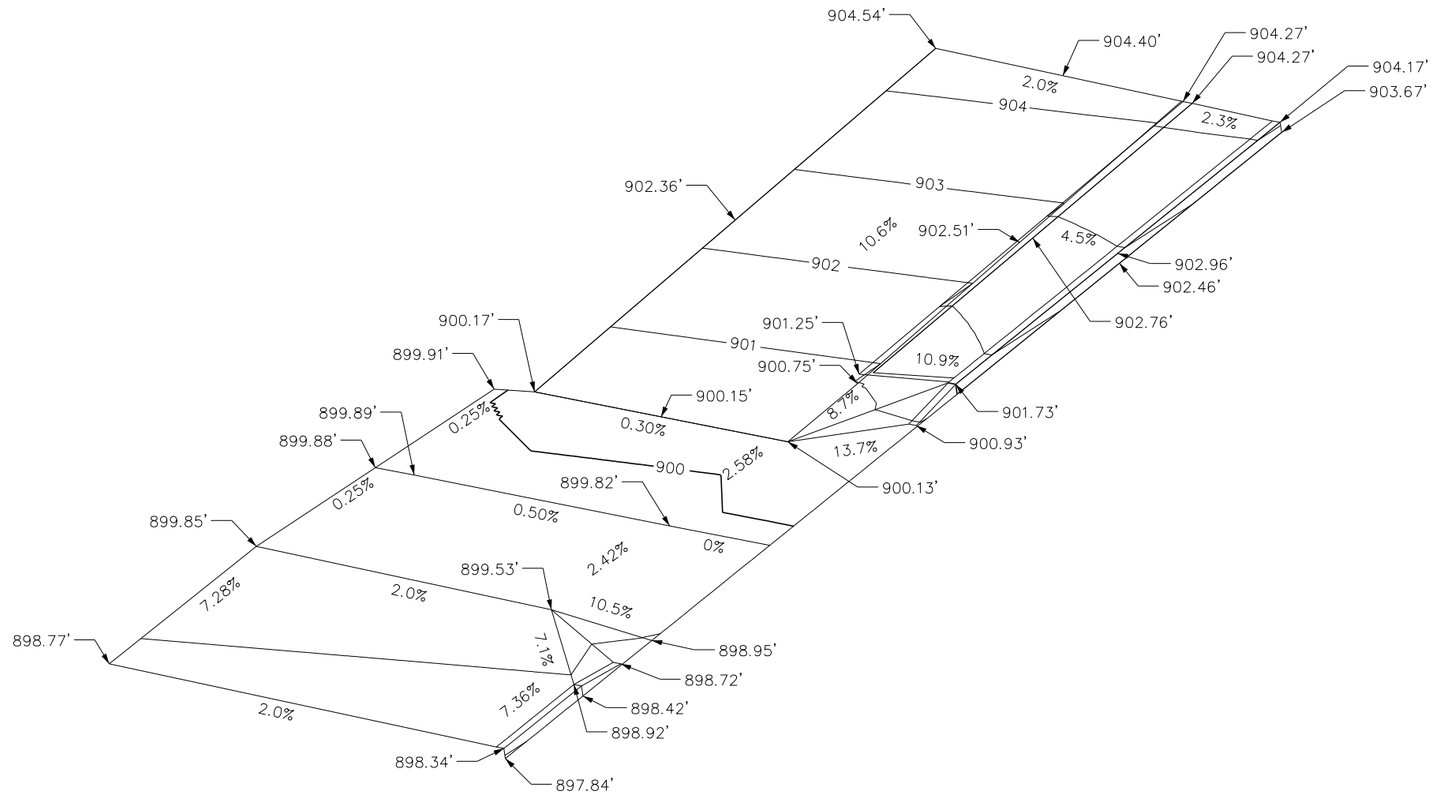
SPECIAL CONSTRUCTION DETAIL

15TH STREET EXTENSION

AMLI DRIVEWAY DETAILS

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		38-0006
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN



Jacobs

REVISION DATES		

SPECIAL CONSTRUCTION DETAIL

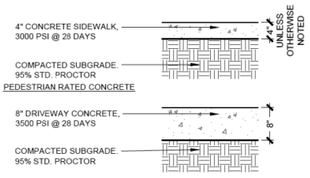
15TH STREET EXTENSION

AMLI DRIVEWAY DETAILS

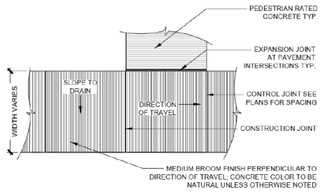
CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		38-0007
VERIFIED:		DATE:		

MIDTOWN PUBLIC SPACES | CONCRETE STANDARDS

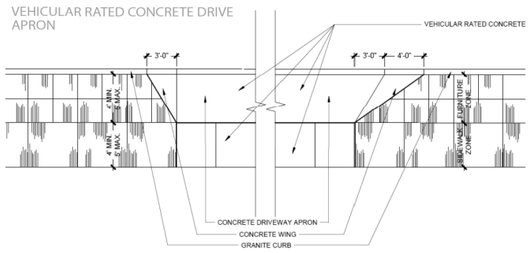
FURNITURE ZONE CONCRETE DETAIL (PEDESTRIAN RATED)



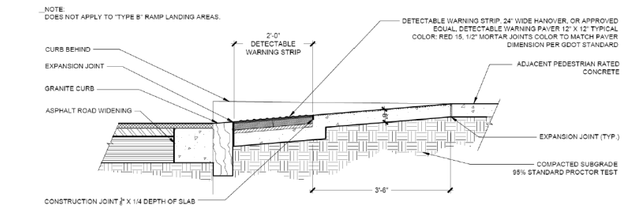
CONCRETE JOINTS



VEHICULAR RATED CONCRETE DRIVE APRON



ADA TRUNCATED DOMES-SECTION



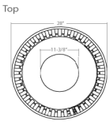
MIDTOWN PUBLIC SPACES | STREET FURNISHINGS

TRASH & RECYCLING RECEPTACLES

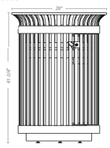
Placement: Trash and Recycling Receptacles are centered within the furniture zone at intersection corners.
Additional receptacles may be placed in high pedestrian traffic areas.
Recycling receptacle are always to be "co-located" with Trash receptacles.
If recycling receptacles are desired, contact the Midtown Alliance to coordinate pick-up.
**All receptacles must be anchored into concrete using bolts as shown in detail below*

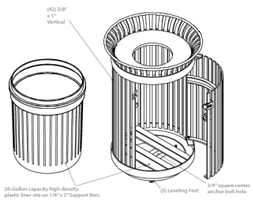
Receptacle Model: Victor Stanley SD-42 Ironsites Series ***OR APPROVED EQUAL***
Manufacturer Information: Tel: 301.858.8300 | sales@victorstanley.com

Top



Side





Standard Receptacle

* trash receptacle to be powder-coated black

Recycling Receptacle & Lid

* recycling receptacle to be powder-coated Victor Stanley standard "Green".

Lid and Band are to have blue text and white background.

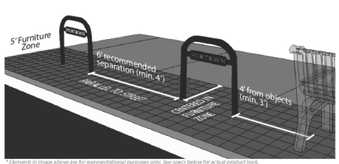
Band Decal:
Layout #3719-02c
Lid Decal:
Layout #3719-04a

MIDTOWN PUBLIC SPACES | BICYCLE STORAGE

MIDTOWN STANDARD BICYCLE RACK

MODEL: Saris "Branded" Midtown Bicycle Rack* ***OR APPROVED EQUAL***
Manufacturer Information: Tel: 800.783.7257 | www.saris.com
* technical drawings and specifications available from the Midtown Alliance

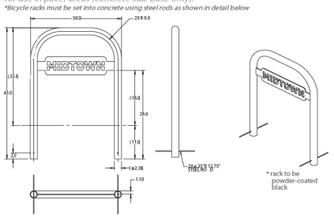
APPLICATION: centered within furniture zone



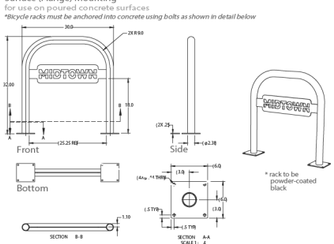
* Elements in image above are for representational purposes only. See specs below for actual product listed.

MOUNTING OPTIONS

Below-Grade Mounting
for use in paver areas (concrete sub-base only).
**Bicycle racks must be set into concrete using steel rods as shown in detail below*



Surface (Flange) Mounting
for use on poured concrete surfaces
**Bicycle racks must be anchored into concrete using bolts as shown in detail below*

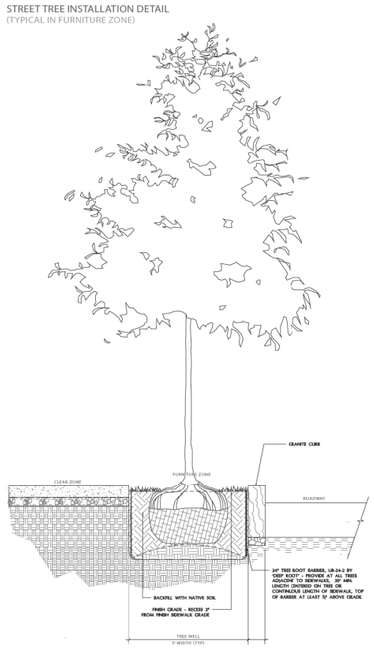


MIDTOWN PUBLIC SPACES | STREET TREES

STREET TREE SELECTION

All trees MUST be Grade A stock with central leaders and a minimum calipers size of 3 inches (as measured 36" above the ground).
NOTE: The Midtown Streetscape Standards Matrix outlines required tree species per corridor. The Tree Species Overview below illustrates more detailed tree cultivars that are acceptable within the SPI-16 overlay district.

STREET TREE INSTALLATION DETAIL
(TYPICAL IN FURNITURE ZONE)



*Note: to ensure long-term health of trees, recommended planting season in Georgia is between November 1 and April 15.

TREE SPECIES OVERVIEW

*refer to Midtown Streetscape Design Matrix for specified tree species for each corridor

AMERICAN ELM
(ULMUS AMERICANA)
Shape: Rounded or Conical
Exposure: Full Sun / Partial Shade
Typical Cultivars: Princeton, Jefferson

NUTTALL OAK
(QUERCUS NUTTALLII)
Shape: Pyramidal
Exposure: Full Sun
Typical Cultivars: Big Boy, Esplanade, Highpoint, Sangria

OVERCUP OAK
(QUERCUS LYRATA)
Shape: Oval
Exposure: Full Sun / Partial Shade
Typical Cultivars: Highbeam, Marquee

RED MAPLE
(ACER RUBRUM)
Shape: Oval
Exposure: Full Sun
Typical Cultivars: October Glory

SHUMARD OAK
(QUERCUS SHUMARDII)
Shape: Oval
Exposure: Full Sun
Typical Cultivars: Panache

TRIDENT MAPLE
(ACER BUERGERIANUM)
Shape: Rounded
Exposure: Full Sun
Typical Cultivars: Aeryn, Pritchard, Valynor

WILLOW OAK
(QUERCUS PHELLOS)
Shape: Pyramidal
Exposure: Full Sun
Typical Cultivars: Hightower, Upperton

SPECIAL CONSTRUCTION DETAIL
15TH STREET EXTENSION
MIDTOWN ATLANTA GUIDELINES

DRAWING No. 38-0008

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

REVISION DATES

Jacobs

P.I. No. 0015019

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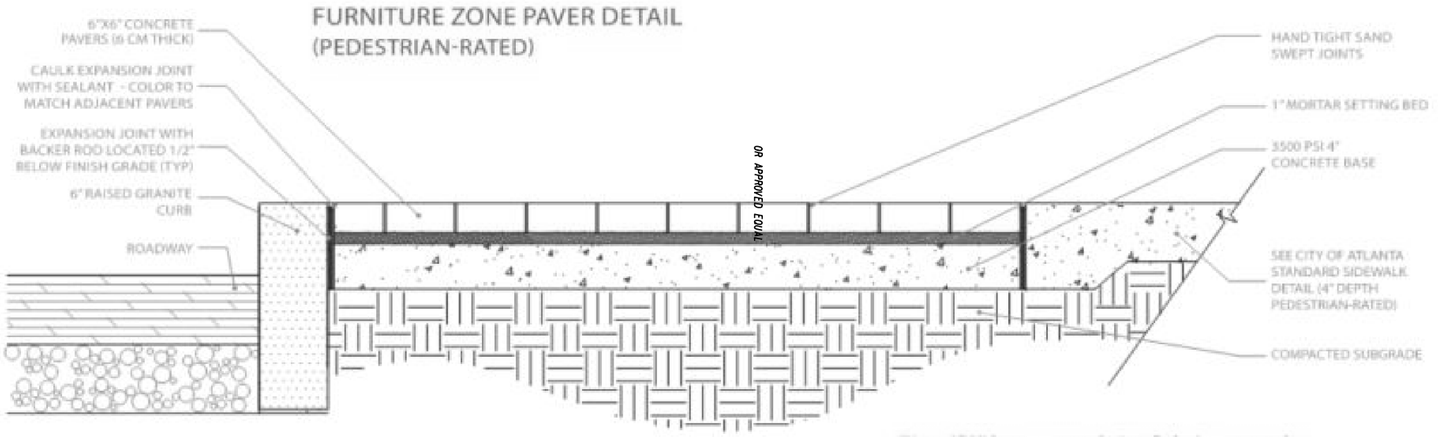
GPLOT-V8
tpiotborder-V81-PD.tbl
1/6/2022
Thomasf6
GPLN
10/23/2025

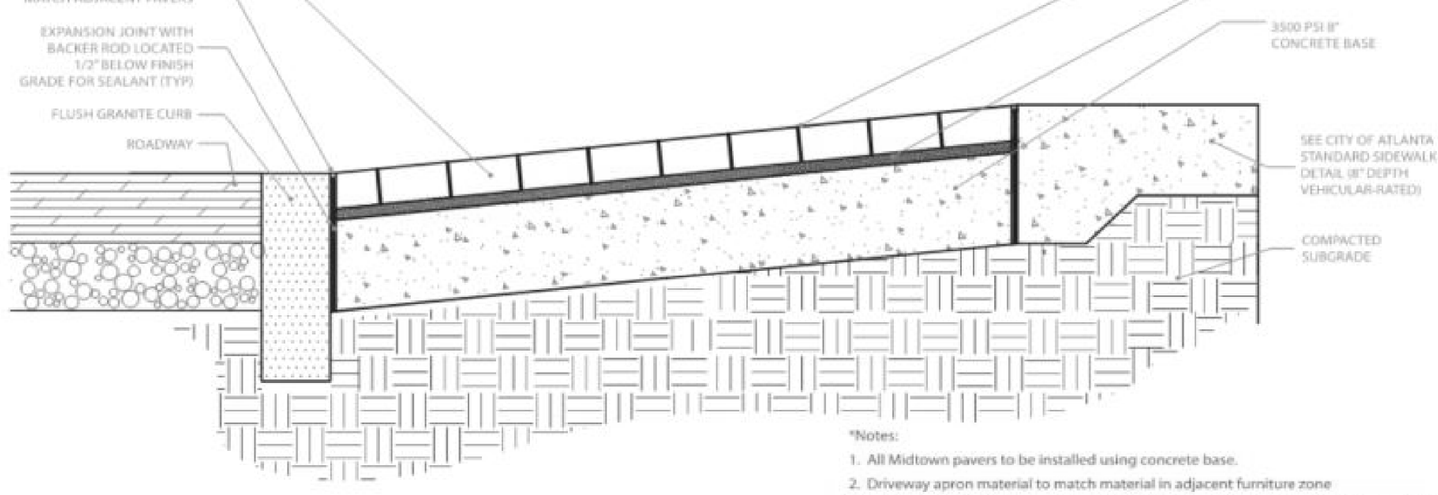
INSTALLATION DETAILS

FURNITURE ZONE PAVER DETAIL (PEDESTRIAN-RATED)



*Note: All Midtown pavers to be installed using concrete base

DRIVEWAY APRON PAVER DETAIL (VEHICULAR-RATED)



*Notes:
1. All Midtown pavers to be installed using concrete base.
2. Driveway apron material to match material in adjacent furniture zone (i.e. install pavers in driveway apron if it is adjacent to a furniture zone of pavers; install concrete in driveway apron if it is adjacent to a concrete furniture zone).
3. Refer to the Midtown Streetscape Design Matrix for specified material per corridor.

OR APPROVED EQUAL

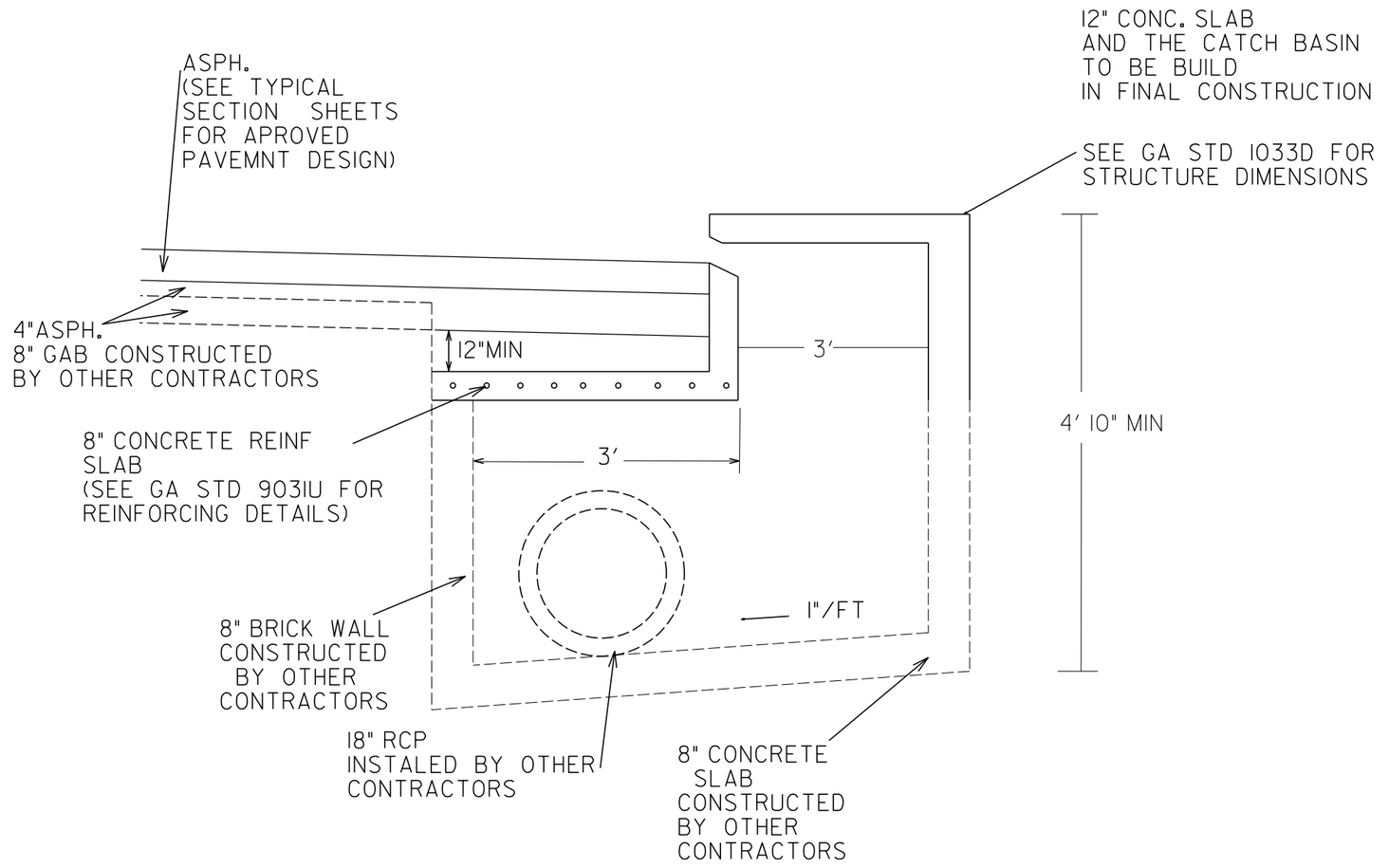
OR APPROVED EQUAL

REVISION DATES		
09/09/2022		

SPECIAL CONSTRUCTION DETAIL
15TH STREET EXTENSION
MIDTOWN ATLANTA GUIDELINES

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		38-0009
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN



SPECIAL DESIGN BOX

(TO BE USED WITH STRUCTURES C-2, C-3, C-4)

Jacobs

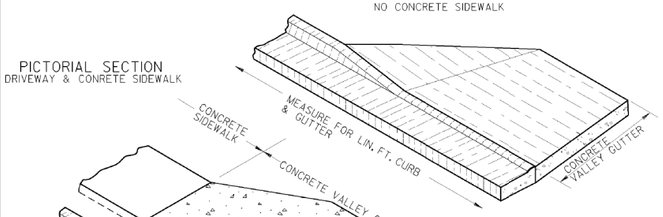
REVISION DATES		
03-20-2023		

SPECIAL CONSTRUCTION DETAIL
15TH STREET EXTENSION
EXTENDED BOX 1033F CATCH BASIN
(BY OTHERS)

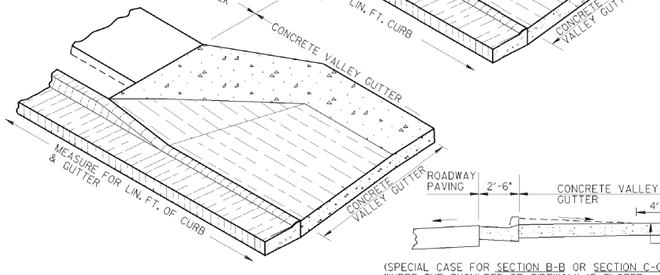
CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		38-0010
VERIFIED:		DATE:		

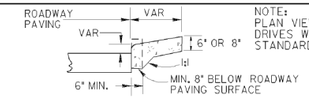
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

PICTORIAL SECTION
NO CONCRETE SIDEWALK

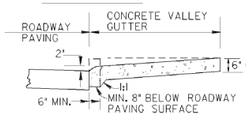


PICTORIAL SECTION
DRIVEWAY & CONRETE SIDEWALK



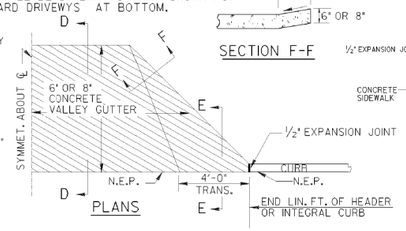


SECTION E-E

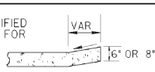


SECTION D-D

NOTE:
PLAN VIEW DETAILS NOT SHOWN FOR MODIFIED DRIVES WILL BE SIMILAR TO THAT SHOWN FOR STANDARD DRIVEWYS AT BOTTOM.

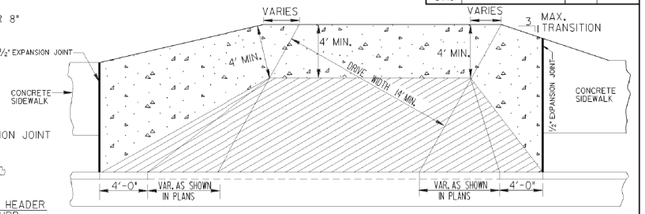


PLANS



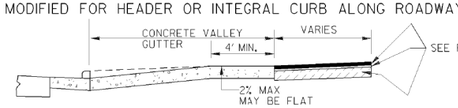
SECTION F-F

NOTE: DRIVEWAYS WILL NOT BE SKEWED EXCEPT WHERE PERPENDICULAR ALIGNMENT IS NOT FEASIBLE.



DRIVE ENTRANCE MODIFIED FOR SKEW

DRIVE MODIFIED FOR HEADER OR INTEGRAL CURB ALONG ROADWAY



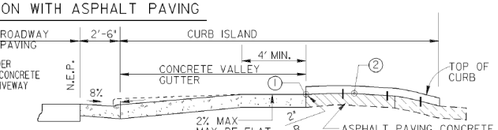
(SPECIAL CASE FOR SECTION B-B OR SECTION C-C; WHERE THE SHOULDER OR SIDEWALK IS SLOPED AWAY FROM THE ROAD)

① IS THE BACK OF SIDEWALK SURFACE GRADE OR THE SHOULDER SURFACE GRADE 10'-0" BACK OF THE CURB, SLOPE OF THE CONCRETE VALLEY GUTTER WILL BE SUCH THAT THE BACK OF THE DRIVEWAY TAPER WILL BE THE SAME ELEVATION.

② IS BEGINNING OF DRIVEWAY TIE-IN.

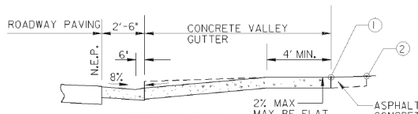
NOTE: ① AND ② MAY COINCIDE

SECTION WITH ASPHALT PAVING



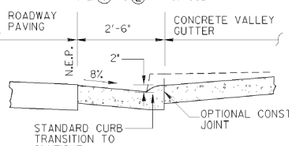
SECTION C-C

ASPHALT PAVING, CONCRETE VALLEY GUTTER, DRIVEWAY CONCRETE, OR EXISTING PAVEMENT, AS SPECIFIED IN THE PLANS. ALL DRIVEWAYS WITHIN THE RIGHT OF WAY SHALL BE PAVED.

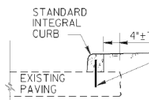


SECTION B-B

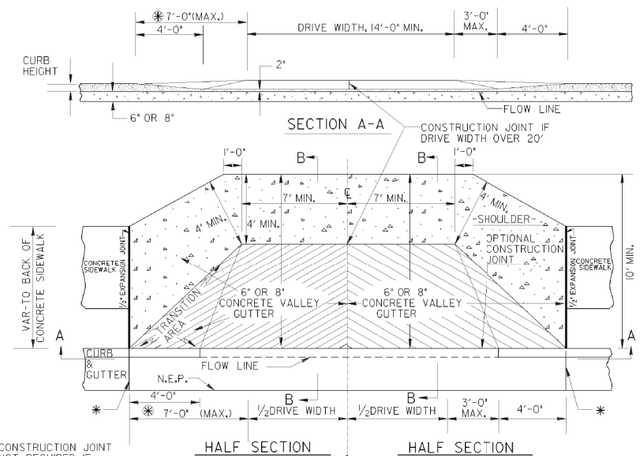
ASPHALT PAVING, DRIVEWAY CONCRETE, OR EXISTING PAVEMENT, AS SPECIFIED IN THE PLANS. ALL DRIVEWAYS WITHIN THE RIGHT OF WAY SHALL BE PAVED.



NOTE:
ALTERNATES TO THE CURB ISLAND DESIGN SHOWN HERE MAY BE SPECIFIED IN THE PLANS.



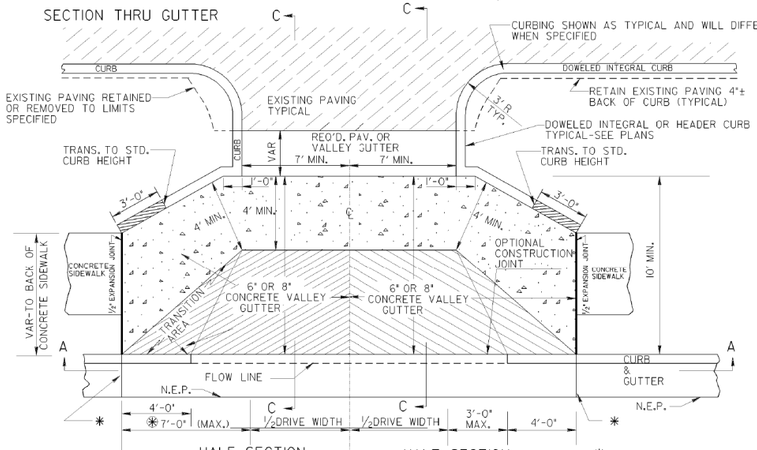
DOWELED CURB DETAIL



✱ CONSTRUCTION JOINT NOT REQUIRED IF THE OPTIONAL CONSTRUCTION JOINT IS PROVIDED AT BACK OF THE CURB.

RESIDENTIAL, COMMERCIAL OR NON-COMMERCIAL DRIVE

SECTION THRU GUTTER



✱ CONSTRUCTION JOINT NOT REQUIRED IF THE OPTIONAL CONSTRUCTION JOINT IS PROVIDED BACK OF CURB.

DRIVEWAY WITH CURB ISLAND

✱ 7'-0" OR DISTANCE EQUAL TO THAT FROM BACK OF CURB TO BACK OF SIDEWALK, WHICHEVER IS LESSER

GENERAL NOTES:

1. QUANTITIES SHALL BE MEASURED AS FOLLOWS:
   (A) CONCRETE CURB & GUTTER ALONG ROADWAY---
   LIN. FT. OF CURB & GUTTER SHALL BE MEASURED FOR PAYMENT CONTINUOUS THRU THE DRIVE ENTRANCES. PAYMEN" FOR CURB & GUTTER SHALL INCLUDE DAPPING DOWN THE TOP PORTION OF THE CURB. SQ. YDS. OF CONCRETE VALLEY GUTTER SHALL BE MEASURED FOR PAYMENT TO THE BACK OF THE CURB LINE.
   (B) HEADER (OR INTEGRAL) CURB ALONG ROADWAY---
   LIN. FT. OF CURB SHALL BE MEASURED FOR PAYMENT TO THE BEGINNING OF DRIVE WAY. SQ. YDS. OF CONCRETE VALLEY GUTTER SHALL BE MEASURED FOR PAYMENT TO THE EDGE OF THE ROADWAY PAVING.
2. N.E.P. IS DEFINED AS THE POINT WHERE THE ROADWAY PAVING MEETS THE CURB & GUTTER, OR HEADER CURB, OR FACE OR THE INTEGRAL CURB.
3. DRIVES RECONSTRUCTED SHALL BE REPLACED IN KIND, I.E, ASPHALT FOR ASPHALT, CONCRETE FOR CONCRETE, AND PAVED TO THE RIGHT OF WAY LINE.
4. SEE STANDARD 9032-B FOR DETAILS OF CONCRETE CURB & GUTTER, HEADER CURBS AND DOWELED INTEGRAL CURBS.
5. WIDTHS OF COMMERCIAL DRIVEWAYS SHALL COMPLY WITH CURRENT "RULES AND REGULATIONS FOR DRIVEWAY AND ENCROACHMENT CONTROL". WIDTHS OF RESIDENTIAL NON-COMMERCIAL DRIVEWAYS SHALL BE AS SPECIFIED IN THE PLANS.
6. THE SLOPE OF THE "TRANSITION AREA" OF THE CONCRETE VALLEY GUTTER SHALL NOT BE STEEPER THAN 8% (12d) WHERE SIDEWALKS ARE LOCATED.
7. MAXIMUM DRIVEWAY GRADES SHOWN BELOW ARE INTENDED FOR RESIDENTIAL DRIVEWAYS WHERE FLATTER GRADES ARE NOT FEASIBLE. GRADES FOR COMMERCIAL DRIVEWAYS OR FOR "TRUCKS SHALL NOT BE GREATER THAN 12% UNLESS SPECIFIED OTHERWISE.

Guidelines For Usage On Metric Projects

When these details are incorporated into plans and or projects that are being prepared or constructed in metric units, exact or precise conversion to metric units is not required. The dimensions shown that are in feet and inches may be converted to corresponding metric units using the following " Rounded-Off" conversion factors: 1" =25mm, 4"=100mm and 12" or 1'=300mm. All measurement notes that refer to linear feet and square yards shall be interpreted to mean linear meters and square meters.

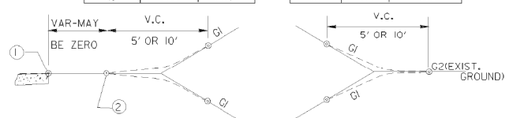
① IS THE BACK OF SIDEWALK SURFACE GRADE OR THE SHOULDER SURFACE GRADE 10'-0" BACK OF THE CURB, SLOPE OF THE CONCRETE VALLEY GUTTER WILL BE SUCH THAT THE BACK OF THE DRIVEWAY TAPER WILL BE THE SAME ELEVATION.

② IS BEGINNING OF DRIVEWAY TIE-IN.

NOTE: ① AND ② MAY COINCIDE

V.C.	MAXIMUM GI CUT	MAXIMUM GI FILL
5'	27%	16.67%
10'	28%	27%

V.C.	G1-G2 (MAX. ALGEBRAIC GRADE CHANGE) SAG	CREST
5'	21%	25%
10'	25%	36%



MAXIMUM DRIVEWAY GRADES (SEE GEN. NOTE 7)

This Detail Replaces Ga Standard 6050

BY	REVISION	DATE
GLO	REV. PAVEMENT NOTES; REV. 12' TO 14' MIN.; REV. SWALK	7-21-11
	REVISED	4-11-02
	REVISED	4-3-02

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAIL
DRIVEWAYS WITH TAPERED ENTRANCES
CONCRETE VALLEY GUTTERS

NO SCALE MARCH 12, 2002

NUMBER A1

REVISION DATES		

CONSTRUCTION DETAILS
15TH STREET EXTENSION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		40-0001
CORRECTED:		DATE:		
VERIFIED:		DATE:		

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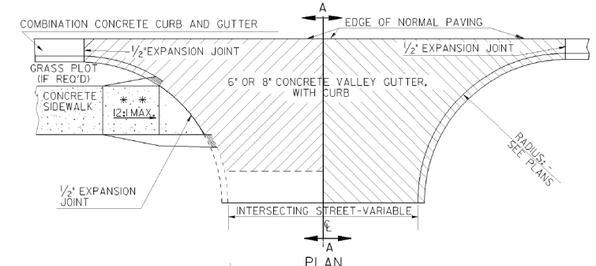
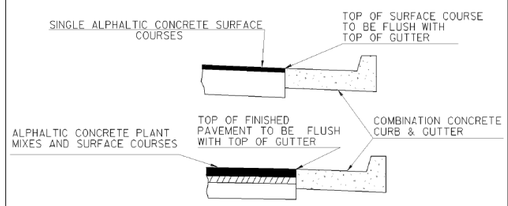
7/22/2017 2:16:33 PM \\GDOT-DSN1\GOPLOT\OCF\GO_Xfp8000.ocf gewene V:\GARY\revised A-1, A-2\A-2.prf GO-RDB

DETAIL OF 6" OR 8" CONCRETE VALLEY GUTTER WITH CURB

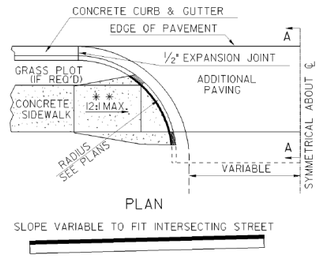


**SEE SPECIAL DETAILS FOR CURB CUT RAMP REQUIREMENTS.

DETAIL OF PLACING PAVEMENT ADJACENT TO GUTTER



DETAIL OF ADDITIONAL PAVING AT STREET INTERSECTION

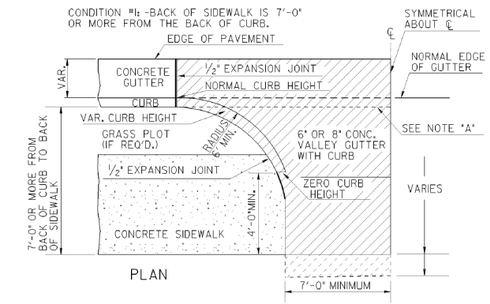


NOTE:
ADDITIONAL PAVING TO EXTEND TO END OF RETURN WHEN NO CONCRETE SIDEWALK IS SET UP.

**SEE SPECIAL DETAILS FOR CURB CUT RAMP REQUIREMENTS.

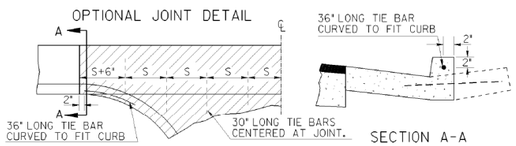
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

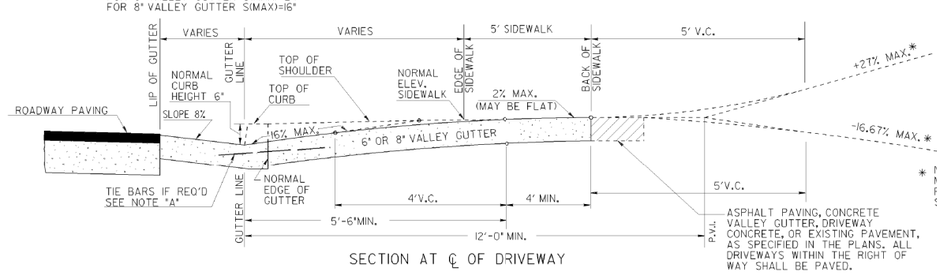
DETAIL OF 6" OR 8" CONCRETE VALLEY GUTTER WITHOUT CURB



CONDITION "I"-BACK OF SIDEWALK IS 7'-0" OR MORE FROM BACK OF CURB.
ZERO CURB HT. TO BE A MINIMUM OF 3'-2" FROM GUTTER LINE.
IF CURB TRANSITION EXTENDS PAST EDGE OF SIDEWALK, THE TOP OF THE VARIABLE HEIGHT CURB IS TO REMAIN FLUSH WITH THE TOP OF THE SIDEWALK THROUGHT OUT TRANSITION. ZERO CURB HEIGHT WILL BE A MINIMUM OF 4'-0" FROM BACK OF SIDEWALK.

NOTE: "A"
CONSTRUCTION JOINT OPTIONAL; -WHEN IMPLEMENTED #4 TIE BARS WILL BE REQUIRED AS SHOWN BELOW TO BE INCLUDED IN UNIT PRICE FOR VALLEY GUTTER. IF CURB IS POURED THROUGH VALLEY GUTTER, THE TOP PORTION WILL BE REMOVED BEFORE SETTING TO MATCH GRADE OF VALLEY GUTTER.



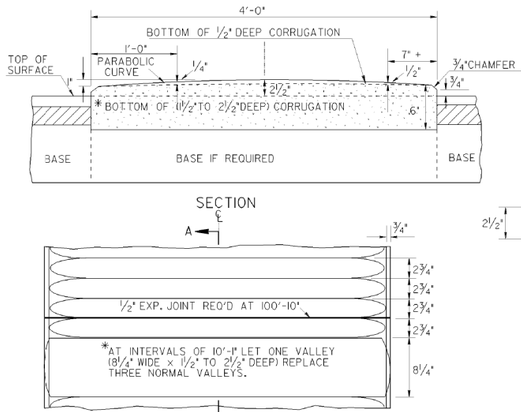


*PERCENTAGE OF ASCENDING GRADE MAY BE INCREASED AT A DISTANCE OF 23' FROM THE GUTTER LINE.

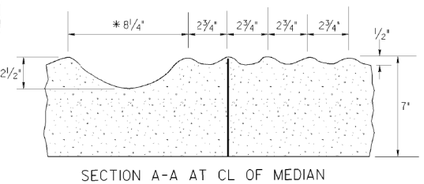
*PERCENTAGE DESCENDING GRADE MAY BE INCREASED AT A DISTANCE 18' FROM THE GUTTER LINE.

* NOTE:
MAXIMUM DRIVEWAY GRADES SHOWN ABOVE ARE INTENDED FOR RESIDENTIAL DRIVEWAYS WHERE FLATTER GRADES ARE NOT FEASIBLE. GRADES FOR COMMERCIAL DRIVEWAYS OR FOR TRUCKS SHALL NOT BE GREATER THAN 11% UNLESS SPECIFIED OTHERWISE.

DETAIL OF 4' CORRUGATED CONCRETE MEDIAN



*APPLIES ONLY TO SUPERELEVATED CURVES, INCLUDING TRANSITIONS.



SEE SPECIAL DETAILS FOR DETAILS OF CONCRETE SIDEWALK.

This Detail Replaces Ga Standard 9031J

Guidelines For Usage On Metric Projects

When these details are incorporated into plans and or projects that are being prepared or constructed in metric units, exact or precise conversion to metric units is not required. The dimensions shown that are in feet and inches may be converted to corresponding metric units using the following " Rounded-Off" conversion factors: 1" =25mm, 4"=100mm, and 12" or 1' =300mm. All measurement notes that refer to linear feet and square yards shall be interpreted to mean linear meters and square meters.

BY	REVISION	DATE
GLO	ADDED PAVEMENT NOTE, REV. 7-2H1	7-2H1
GLO	DRIVEWAY SECTION REV. PAVEMENT NOTES	2-2H-03
	REVISED	4-1H-02
	REVISED	4-3-02
	REVISED	

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAIL

CONCRETE VALLEY GUTTER AT STREET INTERSECTION
6" OR 8" CONCRETE VALLEY GUTTER AT DRIVE
PLACING PAVEMENT ADJACENT TO GUTTER
ADDITIONAL PAVING AT STREET INTERSECTION
4' CORRUGATED CONCRETE MEDIAN

NO SCALE MARCH 12, 2002

NUMBER A2

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JACOBS™

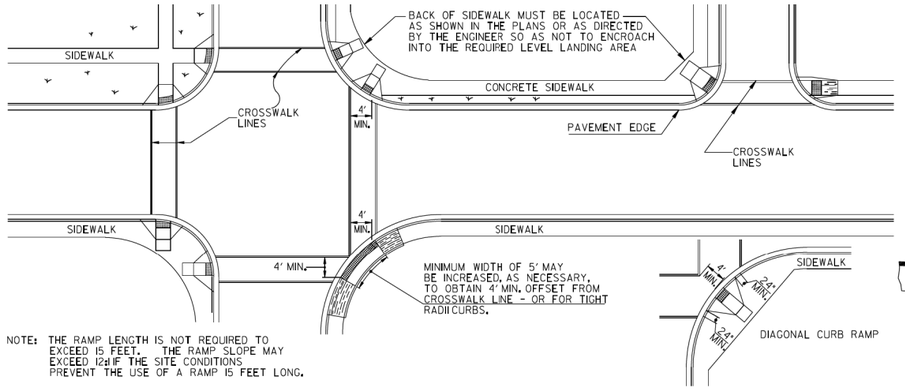
REVISION DATES		

CONSTRUCTION DETAILS
15TH STREET EXTENSION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		40-0002
CORRECTED:		DATE:		
VERIFIED:		DATE:		

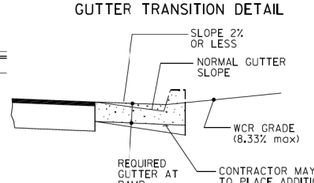
10/23/2015 GPLN

TYPICAL LOCATIONS FOR CURB CUT RAMPS - PLAN VIEW



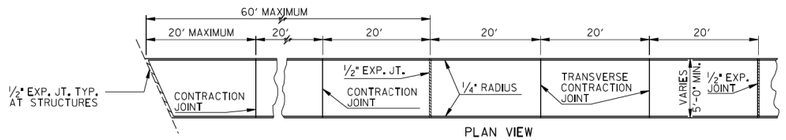
NOTE: THE RAMP LENGTH IS NOT REQUIRED TO EXCEED 15 FEET. THE RAMP SLOPE MAY EXCEED 12:1 IF THE SITE CONDITIONS PREVENT THE USE OF A RAMP 15 FEET LONG.

GUTTER TRANSITION DETAIL

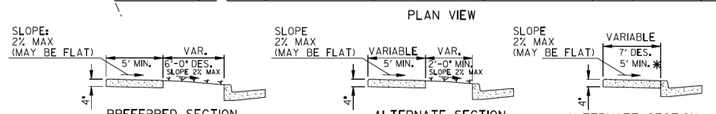


CONCRETE SIDEWALK DETAILS

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



PLAN VIEW



NOTES FOR CONCRETE SIDEWALK:

A. CONCRETE TO BE PLACED 4"THICK AND FINISHED WITH TAMPS, WOOD FLOATS AND STIFF-BRISTLE BROOMS.
B. TRANSVERSE CONTRACTION JOINTS SHALL BE PLACED AT 20 FT. INTERVALS. ALL EDGES TO BE ROUNDED TO 1/4"RADIUS.
C. 1/2" EXPANSION JOINTS SHALL BE PLACED, WHERE SIDEWALK TIE INTO A STRUCTURE OR TERMINATE AT CURB, RAMPS OR DRIVEWAYS AND AT 60' INTERVALS.

NOTES FOR CURB CUT RAMPS:

1. CURB CUT RAMPS WILL BE LOCATED AS FOLLOWS UNLESS PLANS OR CONTRACT SPECIFY OTHERWISE.
   a) AT ALL PEDESTRIAN CROSSWALKS WHERE CURB IS CONSTRUCTED OR REPLACED.
   b) WHERE THE SIDEWALK, CONCRETE OR UNPAVED, IS INTERRUPTED BY THE CURB AT TURNOUTS OR AT INTERSECTIONS.
   c) AT OTHER LOCATIONS SUCH AS HOSPITALS, NURSING HOMES, REST AREAS, ETC., WHERE THE CURB WOULD OTHERWISE BE AN OBSTRUCTION TO THE PHYSICALLY DISABLED.
2. RAMPS WILL BE CONSTRUCTED FROM CONCRETE. SPECIFICATIONS FOR RAMPS WILL BE THE SAME AS FOR CONCRETE SIDEWALK. RAMPS SHALL HAVE EITHER A ROUGH OR A TEXTURED FINISH.
3. DROP INLETS ARE NOT TO BE LOCATED DIRECTLY IN FRONT OF RAMPS. CATCH BASINS SHOULD BE LOCATED AT LEAST 10 FT. FROM RAMPS WHEN FEASIBLE.
4. WHERE RAMPS ARE LOCATED IN RADII, THE DIMENSIONS SHOWN FOR RAMP WIDTHS AND TAPERS ARE MEASURED PERPENDICULAR TO THE RAMP AND NOT ALONG THE CURVE.
5. WHERE UTILITY STRUCTURES CONFLICT, WHERE SIDEWALK GEOMETRY VARIES, AT SKEWED INTERSECTIONS, OR IN OTHER SPECIAL CASES, THE RAMP DESIGNS MAY BE MODIFIED BY THE DESIGNER OR ENGINEER, PROVIDED THAT THE WIDTH REMAINS A MINIMUM OF 48 INCHES, AND NO SLOPE ON THE ACCESSIBLE PART OF THE RAMP IS STEEPER THAN 12:1.
6. LIN. FT. OF CURB AND GUTTER WILL INCLUDE THE TRANSITIONED CURB IN FRONT OF RAMPS. SQ. YDS. OF CONCRETE SIDEWALK AND CONCRETE MEDIAN PAVING WILL INCLUDE RAMPS. NO ADDITIONAL PAYMENT WILL BE MADE FOR CURB RAMPS. NO ADDITIONAL PAYMENT WILL BE MADE FOR SAWING AND REMOVING EXISTING SIDEWALK OR CURB WHERE NECESSARY FOR RAMP CONSTRUCTION.
7. WHEN A CURB RAMP IS PLACED ON EXISTING PAVEMENT. THE PAVEMENT SHALL BE REMOVED TO PROVIDE A MINIMUM THICKNESS OF 3 INCHES OF CONCRETE AT ALL LOCATIONS. NO SEPARATE PAYMENT WILL BE MADE FOR REMOVAL OF THE PAVEMENT.
8. DETECTABLE WARNING SURFACES ARE REQUIRED ON ALL INTERSECTIONS WITH PUBLIC STREETS, SIGNALIZED COMMERCIAL DRIVEWAYS, AND COMMERCIAL DRIVEWAYS WITH AN AADT OF 25 VPD.

This Detail Replaces Ga Standard 9031W

Guidelines For Usage On Metric Projects

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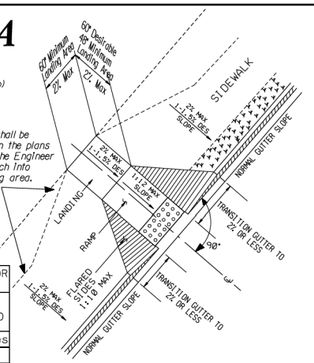
Type A

(Perpendicular)

(The Preferred Ramp)



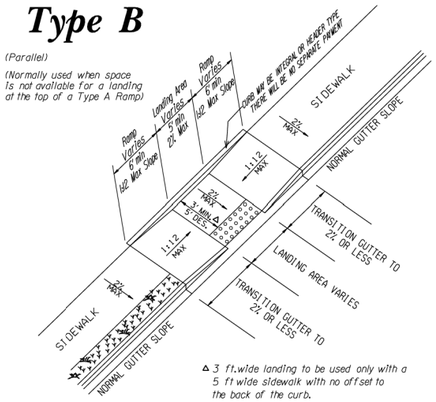
Back of sidewalk shall be located as shown in the plans or as directed by the Engineer so as not to encroach into the required landing area.

LENGHT REQUIRED FOR A 1:10 SLOPE	
DIFFERENCE IN HEIGHT	LENGTH REQUIRED
1 Inch	10 Inches
2 Inches	1'-8"
3 Inches	2'-6"
4 Inches	3'-4"
5 Inches	4'-2"
6 Inches	5 Feet

Type B

(Parallel)

(Normally used when space is not available for a landing at the top of a Type A Ramp)

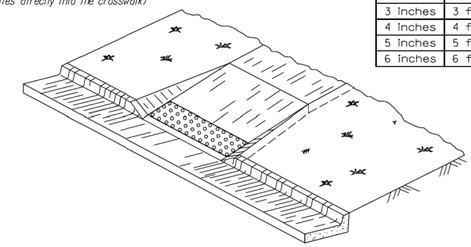


△ 3 ft. wide landing to be used only with a 5 ft wide sidewalk with no offset to the back of the curb.

Type D

(Perpendicular)

(Normally used when the sidewalk ties directly into the crosswalk)

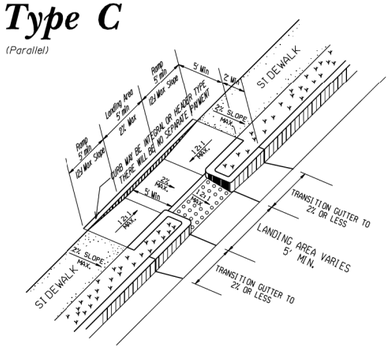


LENGHT REQUIRED FOR A 1:12 SLOPE	
DIFFERENCE IN HEIGHT	LENGTH REQUIRED
1 Inch	1 foot
2 Inches	2 feet
3 Inches	3 feet
4 Inches	4 feet
5 Inches	5 feet
6 Inches	6 feet

IN AREAS WHERE THE GUTTER HAS A SLOPE IN IT, END NORMAL GUTTER SLOPE AT A DISTANCE OF 6 TO 10 FEET FROM THE RAMP AND BEGIN TRANSITION TO A FLAT GUTTER SLOPE. NORMAL GUTTER SLOPE SHALL BE RESUMED AT A SIMILAR DISTANCE BEYOND THE RAMP.

Type C

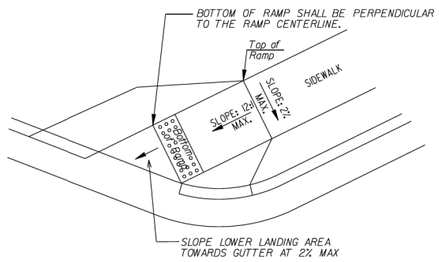
(Parallel)

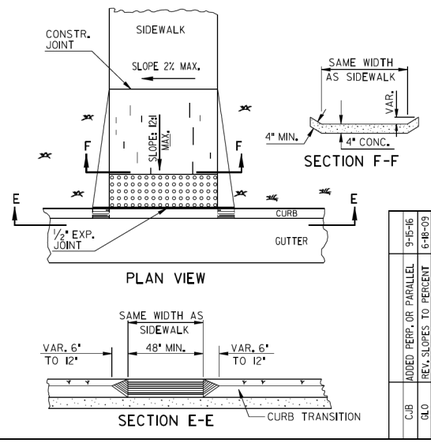


Skewed Ramp Details

(Applies to Type A Type D Ramps Only)

WHEN THE RAMP CENTERLINE IS NOT PERPENDICULAR TO THE CURB A LEVEL LANDING AREA WITH SLOPES LESS THAN 2% MUST BE PROVIDED AT THE BOTTOM OF THE RAMP.





CJB	ADDED PERP. OR PARALLEL	9-15-16	DATE
GLO	REV. SLOPES TO PERCENT AND ADDED 12d & 10d CHART.	6-18-09	
	ADDED GEN. NOTE NO. 8.	5-10-06	
GLO	REV. TRUNCATED DOMES	2-24-03	
	REVISED	2-10-03	
	REVISED	7-29-02	
	REVISED	5-29-02	
	REVISED	5-23-02	
	REVISED	5-13-02	
	REVISED	4-29-02	
	REVISED	4-4-02	
	REVISED	4-3-02	
	REVISED	3-26-02	
			REVISION

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

SPECIAL DETAIL
CONCRETE SIDEWALK DETAILS
CURB CUT (WHEELCHAIR) RAMPS

NO SCALE MARCH 12, 2002

NUMBER A3

JACOBS™

REVISION DATES

CONSTRUCTION DETAILS
15TH STREET EXTENSION

CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	40-0003
CORRECTED:		DATE:	
VERIFIED:		DATE:	

10/23/2015 GPLN

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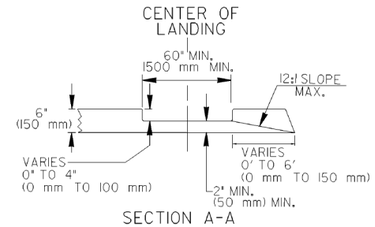
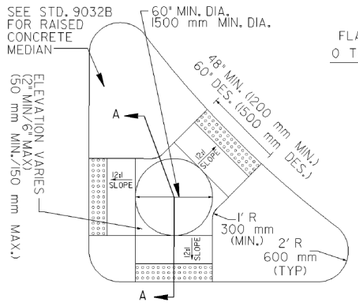
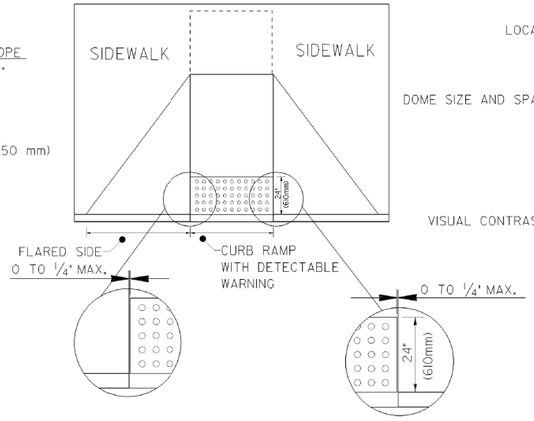
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



SECTION A-A



CONCRETE ISLAND WITH ELEVATED CUT THROUGH

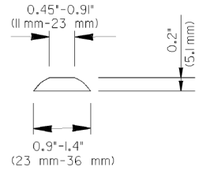


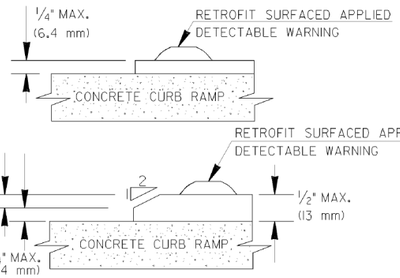
SIZE: DETECTABLE WARNINGS SHALL BE 24 INCHES (610 mm) IN THE DIRECTION OF PEDESTRAIN TRAVEL AND EXTEND THE FULL WIDTH OF THE CURB RAMP OR FLUSH SURFACE.

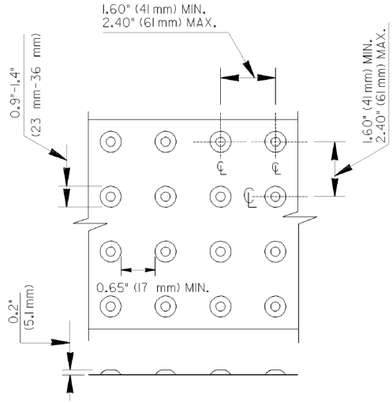
LOCATION: THE DETECTABLE WARNING SHALL BE LOCATED SO THAT THE EDGE NEAREST THE CURB LINE OR OTHER POTENTIAL HAZARD IS 6 TO 8 INCHES (150 mm to 180mm) FROM THE CURB LINE OR OTHER POTENTIAL HAZARD, SUSH AS A REFLECTIVE POOL EDGE OR THE DYNAMIC ENVELOPE OF RAIL OPERATIONS.

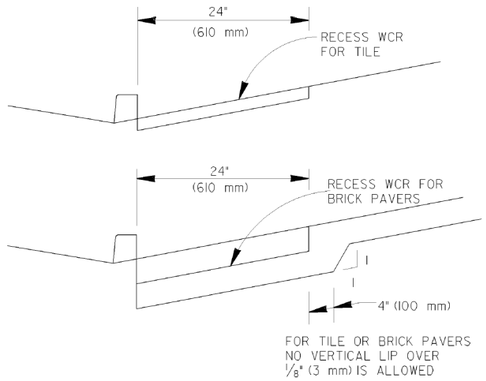
DOME SIZE AND SPACING: TRUNCATED DOMES SHALL HAVE A BASE DIAMETER OF 0.9 INCH TO 1.4 INCH (23mm-36mm) AT THE BOTTOM, A DIAMETER OF 0.45 INCH TO 0.9I INCH (IImm-23mm) AT THE TOP, THE TOP DIAMETER SHALL BE A MINIMUM OF 50% AND A MAXIMUM OF 65% OF THE BASE DIAMENTER, A HEIGHT OF 0.2 INCH (5.1mm) AND A CENTER-TO-CENTER SPACING OF 2.40 INCHES (61mm) DESIRABLE I.60 INCHES (41mm) MINIMUM MEASURED ALONG ONE SIDE OF A SQUARE ARRANGEMENT. DOMES SHALL HAVE A SQUARE ARRANGEMENT. DOMES SHALL BE ALIGNED ON A SQUARE GRID IN THE PREDOMINANT DIRECTION OF TRAVEL TO PERMIT WHEELS TO ROLL BETWEEN DOMES.

VISUAL CONTRAST: DETECTABLE WARNING SURFACES SHALL CONTRAST VISUALLY WITH THE ADJACENT WALKING SURFACE EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT. THE MATERIAL USED TO PROVIDE VISUAL CONTRACT SHALL BE AN INTEGRAL PART OF THE DETECTABLE WARNING SURFACE.

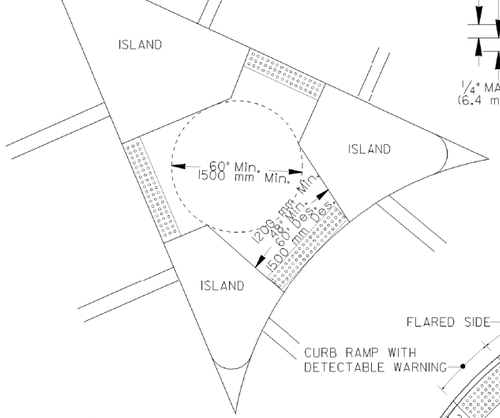


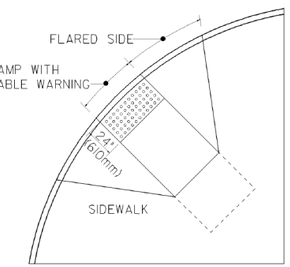






FOR TILE OR BRICK PAVERS NO VERTICAL LIP OVER 1/8" (3 mm) IS ALLOWED

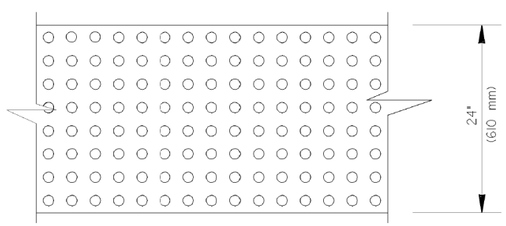




DETAIL FOR DETECTABLE WARNING AT CUT-THRU CONCRETE ISLAND

NO SEPARATE PAYMENT WILL BE MADE FOR THE DETECTABLE WARNINGS. THE COST SHALL BE INCLUDED IN THE PRICE BID FOR SIDEWALK (OR CURB CUT RAMP IF THE ITEM IS INCLUDED IN THE PROPOSAL).

FOR CUT-THRU ISLANDS AND EXISTING RAMPS, WHERE NO SIDEWALK OR CURB CUT RAMPS ARE IN THE PROPOSAL. THE COST OF THE DETECTABLE WARINGS SHALL BE INCLUDED IN THE OVERALL BID PRICE SUBMITTED.



MATERIALS:

NEW CONSTRUCTION

THE DETECTABLE WARNINGS SHALL BE MADE OF MATERIALS SPECIFIED ON QPL 87.

RETROFIT OF EXISTING RAMPS

SURFACED APPLIED MATERIALS WILL ONLY BE APPROVED TO BE USED ON EXISTING WHEELCHAIR RAMPS.

INSTALLATION:

BRICK PAVERS SHALL BE SET IN A WET MORTAR BED. THE BED SHALL BE PLACED ON CONCRETE. THE CONCRETE SHALL BE A MINIMUM OF 4" THICK.

CERAMIC TILE SHALL BE EPOXIED IN PLACE OR SET IN A WET MORTAR BED. MANUFACTURER RECOMMEND ADHESIVE OR FASTENER SHALL BE USED IN THE INSTALLATION.

ALL OTHER MATERIALS SHALL BE INSTALLED ACCORDING TO MANUFACTURES DETAILS OR INSTRUCTION.

GENERAL NOTES:

RETROFIT SURFACED APPLIED MATERIALS ONLY:

1. CHANGES IN LEVEL OF 1/4" (6.4 mm) HIGH MAXIMUM SHALL BE PERMITTED VERTICALLY ON SURFACED APPLIED MATERIALS.
2. CHANGES IN LEVEL BETWEEN 1/4" (6.4 mm) HIGH MINIMUM AND 1/2" (13mm) HIGH MAXIMUM SHALL BE BELEVELED WITH A SLOPE NOT STEEPER THAN 2:1.

BY	REVISION	DATE
GLO	ADDED RETROFIT DETAIL AND ADDED ALT. RAMP DETAIL AND GEN. NOTES	6-18-09
GLO	ADDED TOLERANCE TO DTL.	10-2-06
GLO	REVISED TRUNCATED DOMES AND NOTES.	5-10-06
	REVISED	11-14-02
	REVISED	7-29-02

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

SPECIAL DETAIL

DETECTABLE WARNING SURFACE TRUNCATED DOME SIZE, SPACING AND ALIGNMENT REQUIREMENTS

NO SCALE MARCH 12, 2002

NUMBER A4

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JACOBS™

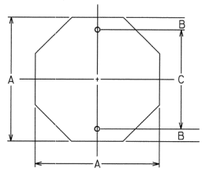
REVISION DATES

CONSTRUCTION DETAILS

15TH STREET EXTENSION

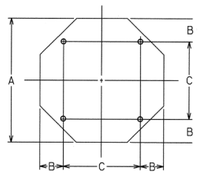
CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		40-0004
CORRECTED:		DATE:		
VERIFIED:		DATE:		

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

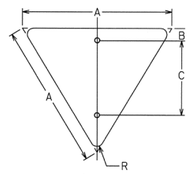


OCTAGON

A	B	C
24	3	18
30	3	24
36	3	30

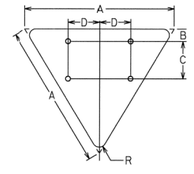


A	B	C
48	9	30

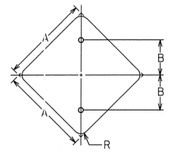


EQUILATERAL TRIANGLE

A	B	C	R
30	3	18	1 1/2
36	3	21	2
48	3	27	3

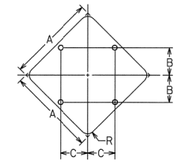


A	B	C	D	R
60	3	18	15	3



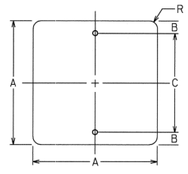
DIAMOND

A	B	R
24	12	1 1/2
30	15	1 7/8
36	18	2 1/4



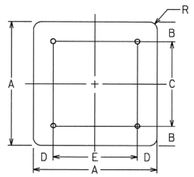
A	B	C	R
36	10	10	2 1/4
48	15	15	3
60	18	18	3 3/4

* FOR TWO POST ERECTION

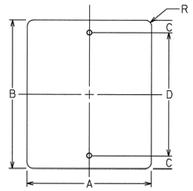


SQUARE

A	B	C	R
18	3	12	1 1/2
24	3	18	1 1/2
30	3	24	1 7/8

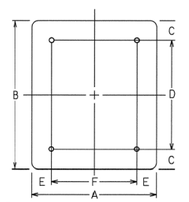


A	B	C	D	E	R
36	6	24	6	24	2 1/4
48	6	35	6	36	3

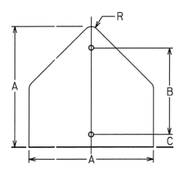


VERTICAL RECTANGLE

A	B	C	D	R
12	18	1 1/2	15	1 1/2
18	24	3	18	1 1/2
24	30	3	24	1 1/2
30	36	3	30	1 7/8

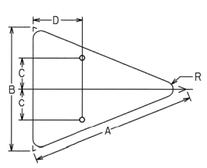


A	B	C	D	E	F	R
36	48	6	36	6	24	2 1/4
48	60	6	48	9	30	3



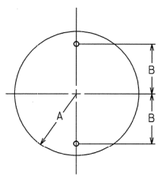
PENTAGON

A	B	C	R
30	21	3	1 7/8
36	24	3	2 1/4



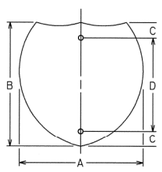
ISOSCELES TRIANGLE

A	B	C	D	R
40	30	7 1/2	12	1 7/8
48	36	9	15	2 1/4



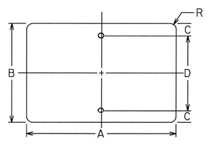
CIRCLE

A	B
15	12
18	15



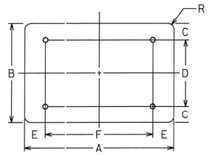
INTERSTATE SHIELD

A	B	C	D
24	24	3	18
30	24	3	18
36	35	6	24
45	35	6	24



HORIZONTAL RECTANGLE

A	B	C	D	R
21	15	1 1/2	12	1 1/2
24	12	1 1/2	9	1 1/2
24	18	3	12	1 1/2
30	15	1 1/2	12	1 1/2
30	24	3	18	1 1/2
36	12	1 1/2	9	1 1/2
36	24	3	18	1 1/2
48	12	1 1/2	9	1 1/2
48	24	3	18	1 7/8



A	B	C	D	E	F	R
48	36	6	24	9	30	2 1/4
60	24	3	18	12	36	1 1/2
60	36	6	24	12	36	2 1/4

DATE	REVISIONS

GEORGIA DEPARTMENT OF TRANSPORTATION
OFFICE OF TRAFFIC SAFETY & DESIGN

DETAILS OF SIGN PLATES

NO SCALE JANUARY 2000

PCBOTB

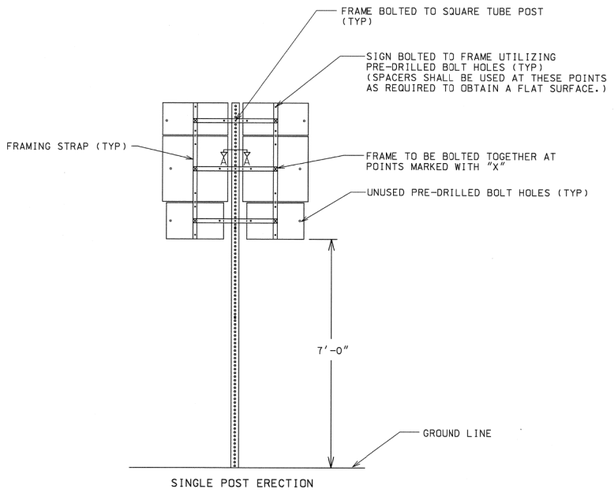
JACOBS™

REVISION DATES		

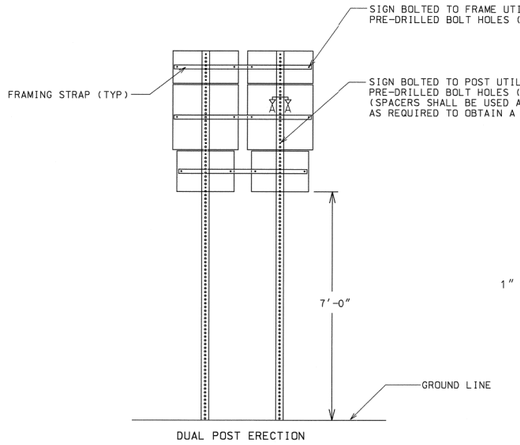
CONSTRUCTION DETAILS
15TH STREET EXTENSION

CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	40-0005
CORRECTED:		DATE:	
VERIFIED:		DATE:	

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

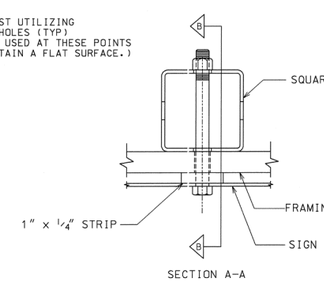


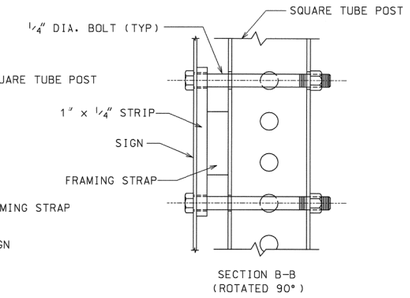
SINGLE POST ERECTION



DUAL POST ERECTION

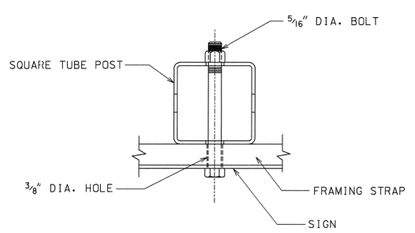
TYPICAL ASSEMBLY UNIT (BACK VIEW)





OPTION #1 - FRAMING STRAP WITHOUT MOUNTING HOLE

(ALL FRAMING STRAPS SHALL BE $1\frac{1}{2}$" x $\frac{1}{2}$" x REQUIRED LENGTH)



OPTION #2 - FRAMING STRAP WITH MOUNTING HOLE

(ALL FRAMING STRAPS SHALL BE 2" x $\frac{1}{2}$" x REQUIRED LENGTH)

GENERAL NOTES:

1. STYLE OF FRAMING IS OPTIONAL. ALTERNATE DESIGNS ARE ACCEPTABLE UPON APPROVAL OF THE ENGINEER. FRAME SHALL BE DESIGNED SO AS TO HOLD THE ASSEMBLY IN A FIXED, RIGID POSITION.
2. FRAMING STRAPS SHALL BE GALVANIZED STEEL OR ALUMINUM.
3. STEEL SHALL BE A.S.T.M. DESIGNATION A-283, GRADE D, GALVANIZED IN ACCORDANCE WITH A.S.T.M. DESIGNATION A-123.
4. ALUMINUM SHALL BE ALLOY 6061-T6.
5. BOLTS, NUTS, WASHERS, AND SPACERS SHALL CONFORM TO THE STANDARD SPECIFICATIONS AND/OR SPECIAL PROVISIONS.
6. FRAMING STRAPS ON A DUAL POST ERECTION SHALL NOT BE BOLTED TO THE POST.

DATE	REVISIONS
3/31/00	CHANGED U-CHANNEL POST TO SQUARE TUBE POST

GEORGIA DEPARTMENT OF TRANSPORTATION
OFFICE OF TRAFFIC OPERATIONS

DETAILS FOR TYPICAL FRAMING

NO SCALE JANUARY 2000

PCBOTB

JACOBS™

REVISION DATES

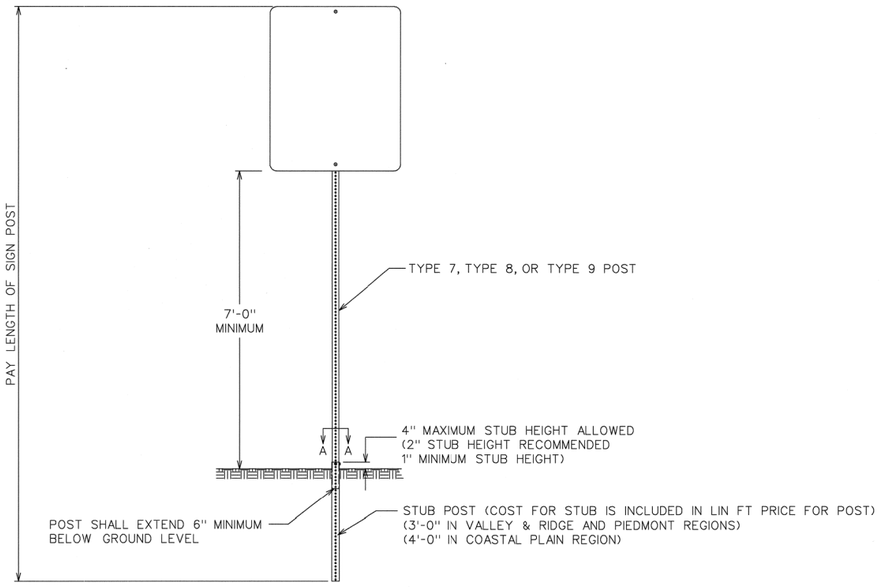
CONSTRUCTION DETAILS

15TH STREET EXTENSION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		40-0006
CORRECTED:		DATE:		
VERIFIED:		DATE:		

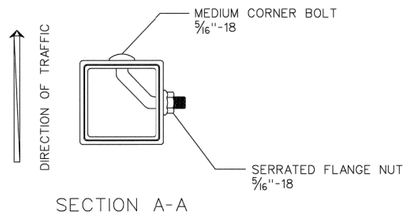
10/23/2015 GPLN

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



FRONT VIEW

POST	STUB SIZE
TYPE 7	2¼" x 2¼"
TYPE 8	2¾" x 2¾"
TYPE 9	2½" x 2½"



SECTION A-A

SIGN POST SELECTION CHART

70 MPH Wind Load Chart + 15% Gust Factor

	SLIP BASE NOT REQUIRED				GROUND MOUNTED BREAKAWAY SIGN SUPPORT REQUIRED				
	TYPE 7 2"14 ga.		TYPE 9 2-1/4"14 ga.	TYPE 8 2-1/2"12 ga.	TYPE 8 2-1/2"12 ga.		TYPE 8 w/TYPE 9 Insert* 2-1/2"12 ga. W/2-1/4"14 ga.		
Sign Centroid	1 Post	2 Post	1 Post	1 Post	2 Post	3 Post	1 Post	2 Post	3 Post
	SQUARE FOOTAGE				SQUARE FOOTAGE				
6'	13.50	27.00	19.25	30.00	60.00	90.00	49.25	98.50	147.75
7'	11.60	23.20	16.50	25.75	51.50	77.25	42.25	84.50	126.75
8'	10.15	20.30	14.45	22.55	45.10	67.65	37.00	74.00	111.00
9'	9.00	18.00	12.85	20.00	40.00	60.00	32.85	65.70	98.55
10'	8.10	16.20	11.55	18.00	36.00	54.00	29.55	59.10	88.65
11'	7.40	14.80	10.50	16.40	32.80	49.20	26.90	53.80	80.70
12'	6.80	13.60	9.65	15.00	30.00	45.00	24.65	49.30	73.95
13'	6.25	12.50	8.90	13.85	27.70	41.55	22.75	45.50	68.25
14'	5.80	11.60	8.25	12.90	25.80	38.70	21.15	42.30	63.45
15'	5.00	10.00	6.45	10.10	20.20	30.30	16.55	33.10	49.65
16'	4.70	9.40	6.05	9.45	18.90	28.35	15.50	31.00	46.50
17'	4.40	8.80	5.70	8.90	17.80	26.70	14.60	29.20	43.80
18'	4.15	8.30	5.40	8.40	16.80	25.20	13.80	27.60	41.40
19'	3.95	7.90	5.10	7.95	15.90	23.85	13.05	26.10	39.15
20'	3.75	7.50	4.85	7.55	15.10	22.65	12.40	24.80	37.20

SIGN CENTROID IS DISTANCE FROM GROUND LEVEL TO BOTTOM OF SIGN *PLUS* HALF THE HEIGHT OF SIGN.
EXAMPLE: 24"X 48" SIGN THAT IS 7 FEET FROM GROUND TO BOTTOM OF SIGN. ADD HALF OF 48" (24" OR 2 FT) *PLUS* 7 FT. = 9' CENTROID.

SIGN PLATE SHALL NOT EXCEED 48" IN WIDTH ON A SINGLE POST.

* TYPE 9 INSERT SHALL BE A CONTINOUS POST INSERTED INTO THE TYPE 8 POST WHERE REQUIRED. THE INSERT POST SHALL EXTEND FROM THE BOTTOM OF THE SLIP BASE UPPER ASSEMBLY TO 4" BELOW THE BOTTOM OF THE SIGN. THE INSERT POST SHALL NOT EXTEND ABOVE THE BOTTOM OF THE SIGN. PAYMENT FOR THE INSERT POST SHALL BE PER LINEAR FOOT OF TYPE 9 POST.

GROUND MOUNTED BREAKAWAY SIGN SUPPORT WILL BE MEASURED AND PAID FOR SEPARATELY. THE COST FOR THIS WORK SHALL INCLUDE THE UPPER AND LOWER ASSEMBLY, STUB POST, CLASS "A" CONCRETE, ALL HARDWARE NECESSARY TO COMPLETE THE INSTALLATION, AND BE INCLUDED IN THE BID PRICE SUBMITTED FOR ITEM 636-3010.

DATE	REVISIONS

GEORGIA DEPARTMENT OF TRANSPORTATION
OFFICE OF TRAFFIC SAFETY & DESIGN

TYPE 7, 8, AND 9
SQUARE TUBE POST
INSTALLATION DETAIL

NO SCALE JULY 2002

T-3A

PCBDTB

L:\Standard\T99.dgn JUL 03, 2013 16:15:11

10/23/2015 GPLN

JACOBS™

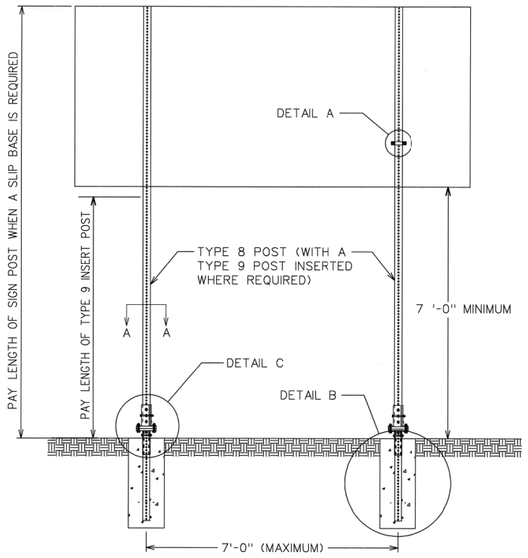
REVISION DATES

CONSTRUCTION DETAILS
15TH STREET EXTENSION

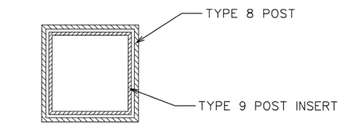
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 40-0007

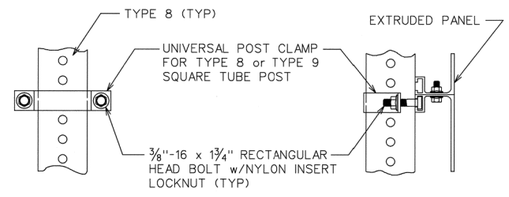
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



BACK VIEW

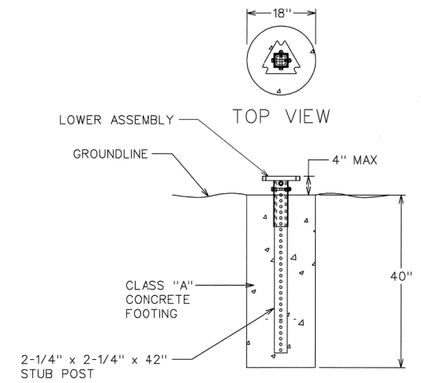


SECTION A-A



BACK VIEW SIDE VIEW

DETAIL A



DETAIL B

GROUND MOUNTED BREAKAWAY SIGN SUPPORT

SIGN POST SELECTION CHART

70 MPH Wind Load Chart + 15% Gust Factor

	SLIP BASE NOT REQUIRED				GROUND MOUNTED BREAKAWAY SIGN SUPPORT REQUIRED				
	TYPE 7 2" 14 ga.		TYPE 9 2-1/4" 14 ga.	TYPE 8 2-1/2" 12 ga.	TYPE 8 2-1/2" 12 ga.		TYPE 8 w/TYPE 9 Insert* 2-1/2" 12 ga. W/2-1/4" 14 ga.		
Sign Centroid	1 Post	2 Post	1 Post	1 Post	2 Post	3 Post	1 Post	2 Post	3 Post
	SQUARE FOOTAGE				SQUARE FOOTAGE				
6'	13.50	27.00	19.25	30.00	60.00	90.00	49.25	98.50	147.75
7'	11.60	23.20	16.50	25.75	51.50	77.25	42.25	84.50	126.75
8'	10.15	20.30	14.45	22.55	45.10	67.65	37.00	74.00	111.00
9'	9.00	18.00	12.85	20.00	40.00	60.00	32.85	65.70	98.55
10'	8.10	16.20	11.55	18.00	36.00	54.00	29.55	59.10	88.65
11'	7.40	14.80	10.50	16.40	32.80	49.20	26.90	53.80	80.70
12'	6.80	13.60	9.65	15.00	30.00	45.00	24.65	49.30	73.95
13'	6.25	12.50	8.90	13.85	27.70	41.55	22.75	45.50	68.25
14'	5.80	11.60	8.25	12.90	25.80	38.70	21.15	42.30	63.45
15'	5.00	10.00	6.45	10.10	20.20	30.30	16.55	33.10	49.65
16'	4.70	9.40	6.05	9.45	18.90	28.35	15.50	31.00	46.50
17'	4.40	8.80	5.70	8.90	17.80	26.70	14.60	29.20	43.80
18'	4.15	8.30	5.40	8.40	16.80	25.20	13.80	27.60	41.40
19'	3.95	7.90	5.10	7.95	15.90	23.85	13.05	26.10	39.15
20'	3.75	7.50	4.85	7.55	15.10	22.65	12.40	24.80	37.20

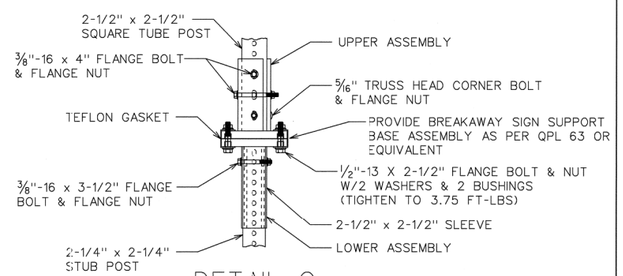
SIGN CENTROID IS DISTANCE FROM GROUND LEVEL TO BOTTOM OF SIGN *PLUS* HALF THE HEIGHT OF SIGN.
EXAMPLE: 24" X 48" SIGN THAT IS 7 FEET FROM GROUND TO BOTTOM OF SIGN. ADD HALF OF 48" (24" OR 2 FT) *PLUS* 7 FT. = 9' CENTROID.

SIGN PLATE SHALL NOT EXCEED 48" IN WIDTH ON A SINGLE POST.

* TYPE 9 INSERT SHALL BE A CONTINOUS POST INSERTED INTO THE TYPE 8 POST WHERE REQUIRED. THE INSERT POST SHALL EXTEND FROM THE BOTTOM OF THE SLIP BASE UPPER ASSEMBLY TO 4" BELOW THE BOTTOM OF THE SIGN. THE INSERT POST SHALL NOT EXTEND ABOVE THE BOTTOM OF THE SIGN. PAYMENT FOR THE INSERT POST SHALL BE PER LINEAR FOOT OF TYPE 9 POST.

GROUND MOUNTED BREAKAWAY SIGN SUPPORT WILL BE MEASURED AND PAID FOR SEPARATELY. THE COST FOR THIS WORK SHALL INCLUDE THE UPPER AND LOWER ASSEMBLY, STUB POST, CLASS "A" CONCRETE, ALL HARDWARE NECESSARY TO COMPLETE THE INSTALLATION, AND BE INCLUDED IN THE BID PRICE SUBMITTED FOR ITEM 636-3010.

TOP VIEW



DETAIL C

(CONCRETE NOT SHOWN)

DATE	REVISIONS

GEORGIA DEPARTMENT OF TRANSPORTATION
OFFICE OF TRAFFIC SAFETY & DESIGN

DETAILS OF SQUARE TUBE POST (BREAKAWAY SIGN SUPPORT)

NO SCALE July 2002

PCBGT8

10/23/2015 GPLN

JACOBS™

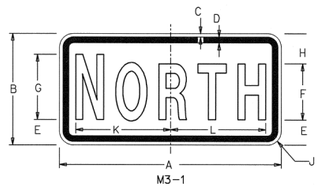
REVISION DATES		

CONSTRUCTION DETAILS

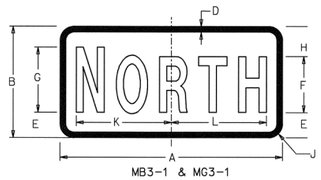
15TH STREET EXTENSION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		40-0008
CORRECTED:		DATE:		
VERIFIED:		DATE:		

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

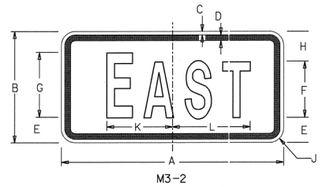


M3-1

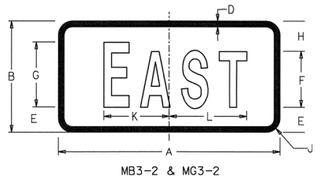


MB3-1 & MG3-1

DIMENSIONS (INCHES)											
SIGN	A	B	C	D	E	F	G	H	J	K	L
BIKE	12	4	-	1/4	1	2D	2 1/4 D	1	3/4	4 1/4	4 1/4
MIN & STD	24	12	3/8	5/8	2 3/4	6C	7C	3 1/4	1 1/2	10 1/4	10 1/4
SPECIAL	30	15	3/8	5/8	3 1/4	8C	9C	3 3/4	1 1/2	12 1/8	12 5/8

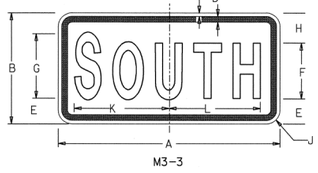


M3-2

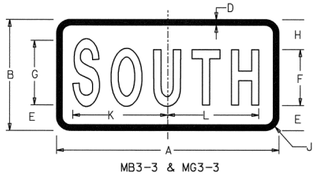


MB3-2 & MG3-2

DIMENSIONS (INCHES)											
SIGN	A	B	C	D	E	F	G	H	J	K	L
BIKE	12	4	-	1/4	1	2D	2 1/4 D	1	3/4	3 3/8	3 3/8
MIN & STD	24	12	3/8	5/8	2 3/4	6C	7C	3 1/4	1 1/2	7 7/8	8 3/4
SPECIAL	30	15	3/8	5/8	3 1/4	8C	9C	3 3/4	1 1/2	10 3/8	11 1/8

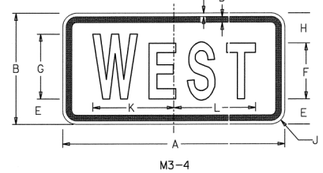


M3-3

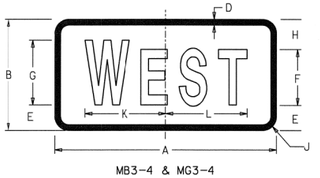


MB3-3 & MG3-3

DIMENSIONS (INCHES)											
SIGN	A	B	C	D	E	F	G	H	J	K	L
BIKE	12	4	-	1/4	1	2D	2 1/4 D	1	3/4	4 1/4	4 1/4
MIN & STD	24	12	3/8	5/8	2 3/4	6C	7C	3 1/4	1 1/2	10 1/4	9 7/8
SPECIAL	30	15	3/8	5/8	3 1/4	8C	9C	3 3/4	1 1/2	12 1/8	12 1/2



M3-4



MB3-4 & MG3-4

DIMENSIONS (INCHES)											
SIGN	A	B	C	D	E	F	G	H	J	K	L
BIKE	12	4	-	1/4	1	2D	2 1/4 D	1	3/4	3 1/2	3 1/2
MIN & STD	24	12	3/8	5/8	2 3/4	6C	7C	3 1/4	1 1/2	8 3/4	8 3/4
SPECIAL	30	15	3/8	5/8	3 1/4	8C	9C	3 3/4	1 1/2	10 3/8	11 1/8

GENERAL NOTES:

1. M3 (CONVENTIONAL ROADWAYS) SIGNS SHALL HAVE BLACK LEGENDS AND BORDERS ON WHITE REFLECTORIZED BACKGROUNDS.
2. MB3 (INTERSTATE HIGHWAYS) SIGNS SHALL HAVE WHITE REFLECTORIZED LEGENDS AND BORDERS ON BLUE REFLECTORIZED BACKGROUNDS.
3. MG3 (BIKE LANES) SIGNS SHALL HAVE WHITE REFLECTORIZED LEGENDS AND BORDERS ON GREEN REFLECTORIZED BACKGROUNDS.

DATE	REVISIONS

GEORGIA DEPARTMENT OF TRANSPORTATION
OFFICE OF TRAFFIC SAFETY & DESIGN

DETAILS OF CARDINAL DIRECTION SIGNS

NO SCALE JANUARY 2000

PCSDTB

JACOBS™

REVISION DATES

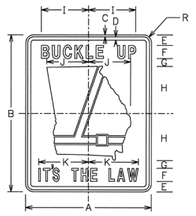
CONSTRUCTION DETAILS

15TH STREET EXTENSION

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

DRAWING No. 40-0009

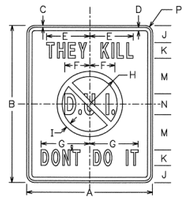
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



R560-1

SIGN	DIMENSIONS (INCHES)											
	A	B	C	D	E	F	G	H	I	J	K	R
MIN & STD	30	36	1/2	3/4	2 1/2	3C	1 1/2	11	8 1/2	10	11	1 7/8
FWY	48	60	3/4	1 1/4	4	5C	3	18	15 1/2	16	18	3

COLORS
STATE SHIELD & BORDER - RED (REFL)
LEGEND & BELT - BLACK (NON-REFL)
BACKGROUND - WHITE (REFL)



R560-2

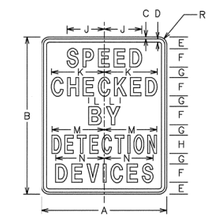
SIGN	DIMENSIONS (INCHES)														
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	P
MIN & STD	30	36	1/2	3/4	11	5	12 1/2	7 1/2	1 1/4	4	4C	3	4 1/2	5C	1 7/8
FWY	48	60	3/4	1 1/4	16 1/2	9 1/2	18 1/2	12 1/2	2	6 1/2	6C	5	8 1/2	8C	3

COLORS
CIRCLE & DIAGONAL - RED (REFL)
LEGEND & BORDER -BLACK (NON-REFL)
BACKGROUND - WHITE (REFL)

R560-3

SIGN	DIMENSIONS (INCHES)											
	A	B	C	D	E	F	G	H	J	K	L	M	R
MIN & STD	36	30	1/2	3/4	3 1/2	3 1/2	C	3	3 1/2	8	14	10	11 1/2	14 1/2	1 7/8
FWY	60	48	3/4	1 1/4	6	6C	4	6B	23	17 1/2	21	24	3		

COLORS
LEGEND & BORDER - BLACK (NON-REFL)
BACKGROUND - WHITE (REFL)



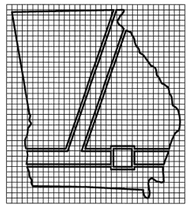
I550-1

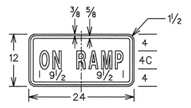
SIGN	DIMENSIONS (INCHES)													
	A	B	C	D	E	F	G	H	J	K	L	M	N	R
MIN & STD	30	36	1/2	3/4	4	4D	2	4C	8 3/16	11 5/8	3 1/8	11 5/8	10 5/8	1 1/8
FWY	48	60	3/4	1 1/4	4 1/2	7D	4	7C	14 5/8	20 5/8	6	20	18 5/8	3

COLORS
LEGEND & BORDER - BLACK (NON-REFL)
BACKGROUND -WHITE (REFL)

THE I550-1 SIGN SHALL BE ERECTED:

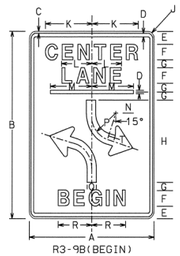
1. ON EVERY HIGHWAY THAT COMPRISES A PART OF THE STATE HIGHWAY SYSTEM AT THAT POINT ON THE HIGHWAY WHICH INTERSECTS THE STATE LINE.
2. AT THE TERMINI OF EVERY HIGHWAY THAT COMPRISES A PART OF THE STATE HIGHWAY SYSTEM WHICH BEGINS OR ENDS WITHIN THE STATE BOUNDARIES.
3. ON EVERY HIGHWAY THAT COMPRISES A PART OF THE STATE HIGHWAY SYSTEM AT THAT POINT ON THE HIGHWAY WHERE TRAFFIC FROM OUTSIDE THE COUNTY FIRST ENTERS A COUNTY THAT HAS A PERMIT TO OPERATE SPEED DETERCTION DEVICES, AND
4. ON EVERY HIGHWAY THAT COMPRISES A PART OF THE STATE HIGHWAY SYSTEM AT THAT POINT ON THE HIGHWAY WHERE TRAFFIC FIRST ENTERS THE CORPORATE LIMITS OF ANY MUNICIPALITY THAT HAS A PERMIT TO OPERATE SPEED DETECTION DEVICES.





R8-3aP

COLORS
LEGEND & BORDER - RED (REFL)
BACKGROUND - WHITE (REFL)



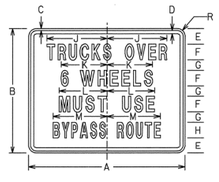
R3-9B(BEGIN)

END

R3-9B(END)

SIGN	DIMENSIONS (INCHES)																
	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T
STD & MIN	24	36	3/8	5/8	2 1/2	3E	1 1/2	16	1 1/2	8 3/16	5 3/4	8	2 1/2	6	2	6 7/16	4 3/16	1 1/2
SPECIAL	36	48	5/8	7/8	3 1/2	5E	1 1/2	20	2 1/4	14 1/16	9 1/2	12	3	8	3	7 11/16	4 15/16	2

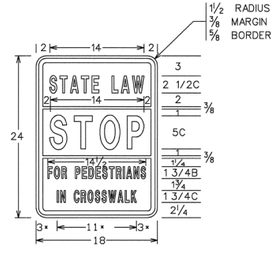
COLORS
LEGEND & BORDER - BLACK (NON-REFL)
BACKGROUND -WHITE (REFL)



R560-4

SIGN	DIMENSIONS (INCHES)													
	A	B	C	D	E	F	G	H	J	K	L	M	R	
MIN & STD	36	30	1/2	3/4	3 1/2	3 1/2	C	3	3 1/8	14	10	10	12 1/2	1 7/8
FWY	60	48	3/4	1 1/4	6	6C	4	6C	23	17 1/2	17 1/2	25 1/2	3	

COLORS
LEGEND & BORDER - BLACK (NON-REFL)
BACKGROUND -WHITE (REFL)



R560-5

COLORS
LEGEND & BORDER-BLACK (NON-REFL)
WORD "STOP" -RED (REFL)
BACKGROUND -WHITE (REFL)

DATE	REVISIONS
5-24-00	ADDED R9-8 DETAIL
1-21-03	DELETED R1-4 SIGNS
1-21-03	REV SIGN CODES FOR R3-9 SIGNS

GEORGIA DEPARTMENT OF TRANSPORTATION
OFFICE OF TRAFFIC SAFETY & DESIGN

DETAILS OF
REGULATORY SIGNS
SHEET 1 OF 2

NO SCALE JANUARY 2000

T-5A

PCBOTB

10/23/2005 GPLN

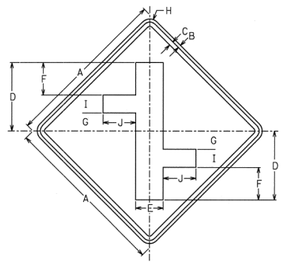
JACOBS™

REVISION DATES

CONSTRUCTION DETAILS
15TH STREET EXTENSION

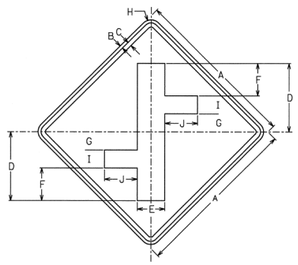
CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		40-0010
CORRECTED:		DATE:		
VERIFIED:		DATE:		

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



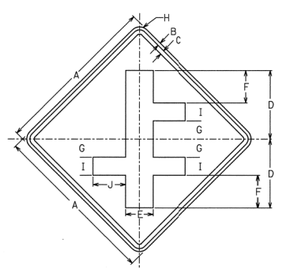
W552-1

SIGN	DIMENSIONS (INCHES)									
	A	B	C	D	E	F	G	H	I	J
STD & MIN	30	1/2	3/4	12½	5	6	3¼	1⅞	3¼	6
EXPWY	36	5/8	7/8	15	6	7	4	2¼	4	7
FWY	48	7/8	1¼	20	8	9½	5¼	3	5¼	9½



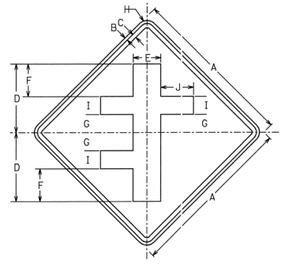
W552-2

SIGN	DIMENSIONS (INCHES)									
	A	B	C	D	E	F	G	H	I	J
STD & MIN	30	1/2	3/4	12½	5	6	3¼	1⅞	3¼	6
EXPWY	36	5/8	7/8	15	6	7	4	2¼	4	7
FWY	48	7/8	1¼	20	8	9½	5¼	3	5¼	9½



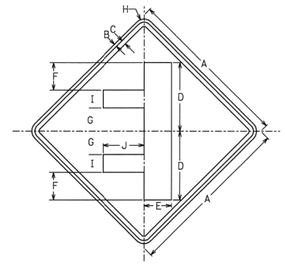
W552-3

SIGN	DIMENSIONS (INCHES)									
	A	B	C	D	E	F	G	H	I	J
STD & MIN	30	1/2	3/4	12½	5	6	3¼	1⅞	3¼	6
EXPWY	36	5/8	7/8	15	6	7	4	2¼	4	7
FWY	48	7/8	1¼	20	8	9½	5¼	3	5¼	9½



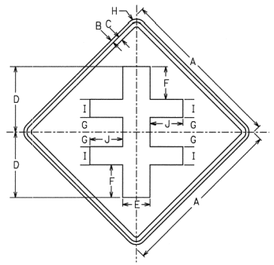
W552-4

SIGN	DIMENSIONS (INCHES)									
	A	B	C	D	E	F	G	H	I	J
STD & MIN	30	1/2	3/4	12½	5	6	3¼	1⅞	3¼	6
EXPWY	36	5/8	7/8	15	6	7	4	2¼	4	7
FWY	48	7/8	1¼	20	8	9½	5¼	3	5¼	9½



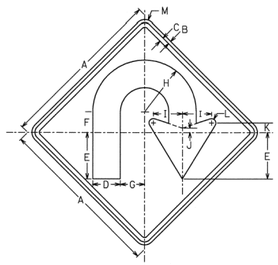
W552-5

SIGN	DIMENSIONS (INCHES)									
	A	B	C	D	E	F	G	H	I	J
STD & MIN	30	1/2	3/4	12½	5	5	4¼	1⅞	3¼	8
EXPWY	36	5/8	7/8	15	6	6	5	2¼	4	10
FWY	48	7/8	1¼	20	8	8	6¾	3	5¼	12



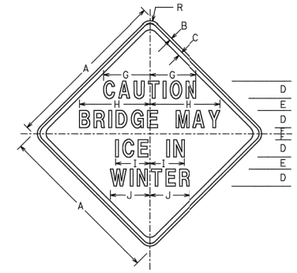
W552-6

SIGN	DIMENSIONS (INCHES)									
	A	B	C	D	E	F	G	H	I	J
STD & MIN	30	1/2	3/4	12½	5	5	3¼	1⅞	3¼	6
EXPWY	36	5/8	7/8	15	6	7	4	2¼	4	7
FWY	48	7/8	1¼	20	8	9½	5¼	3	5¼	9½



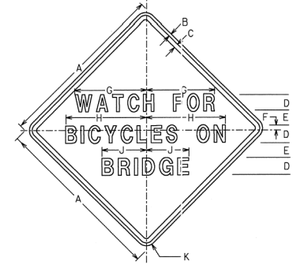
W551-1

SIGN	DIMENSIONS (INCHES)												
	A	B	C	D	E	F	G	H	I	J	K	L	M
STD & MIN	30	1/2	3/4	5	8½	3¾	4⅜	9⅜	5¾	3/4	1⅝	3/4	1⅞
EXPWY	36	5/8	7/8	6	10	4½	5¼	11¼	6⅞	15/16	2 3/16	15/16	2¼
FWY	48	7/8	1¼	8	13½	6	7	15	8 7/16	1¼	2¾	1¼	3



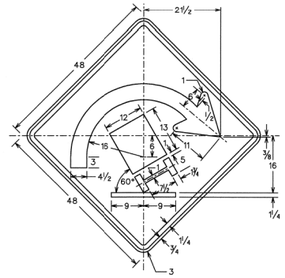
W560-1

SIGN	DIMENSIONS (INCHES)									
	A	B	C	D	E	F	G	H	I	J	R
MIN & STD	30	1/2	3/4	3D	2 3/16	1 3/32	8	12½	6	7	1⅞
EXPWY	36	5/8	7/8	4D	2⅝	1 5/16	11	16½	8	9	2¼
FWY	48	3/4	1¼	5D	3½	1 3/4	13½	20½	10	11½	3



W560-2

SIGN	DIMENSIONS (INCHES)									
	A	B	C	D	E	F	G	H	J	K
MIN & STD	30	1/2	3/4	3C	1½	1 3/16	9½	11½	6	1⅞
EXPWY	36	5/8	7/8	4C	3¼	2	13	15	7½	2¼



W560-3

SIGNS SHALL HAVE YELLOW REFLECTORIZED BACKGROUNDS WITH BLACK LEGENDS, BORDERS, AND SYMBOLS.

DATE	REVISIONS

GEORGIA DEPARTMENT OF TRANSPORTATION
OFFICE OF TRAFFIC SAFETY & DESIGN

DETAILS OF
WARNING SIGNS

NO SCALE JANUARY 2000

T-5C

PCBDT8

...\005warning signs.dgn Jan 03, 2003 16:18:13

10/23/2015 GPLN

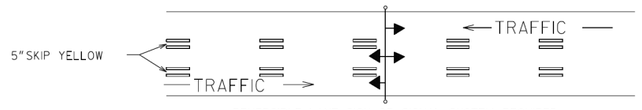
JACOBS™

REVISION DATES		

CONSTRUCTION DETAILS
15TH STREET EXTENSION

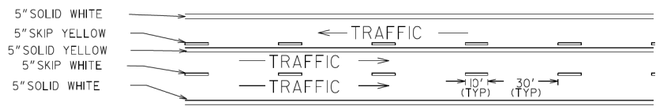
CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		40-0011
CORRECTED:		DATE:		
VERIFIED:		DATE:		

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

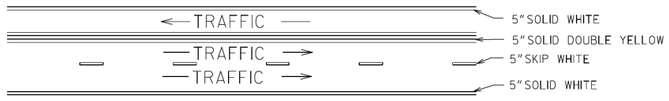


REVERSIBLE LANE SIGN OR SIGNAL SYSTEM REQUIRED

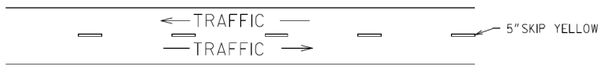
TWO-WAY TRAFFIC WITH A REVERSIBLE CENTER LANE



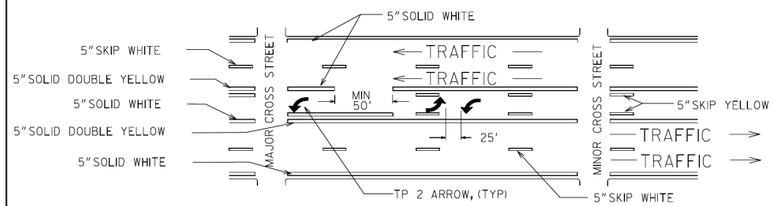
TWO-WAY TRAFFIC WHERE MOTORISTS IN A SINGLE LANE ARE PERMITTED TO PASS



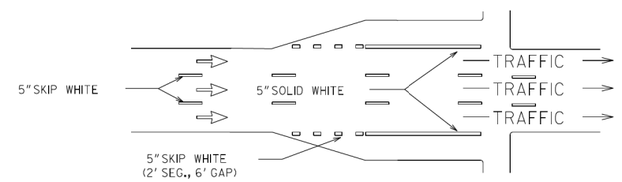
TWO-WAY TRAFFIC WHERE MOTORISTS IN A SINGLE LANE ARE NOT PERMITTED TO PASS



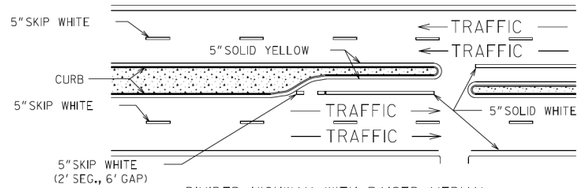
TWO-LANE, TWO-WAY TRAFFIC WITH PASSING PERMITTED



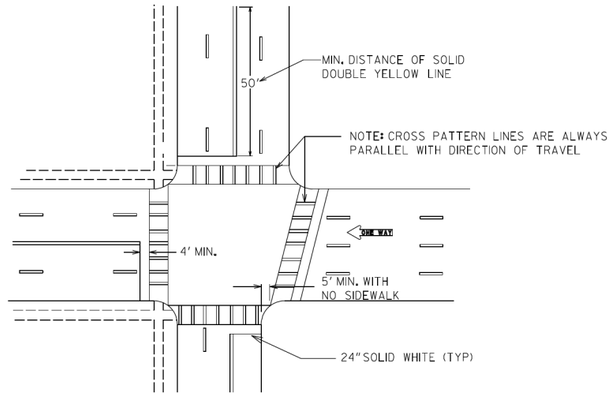
MULTI-LANE, TWO-WAY TRAFFIC WITH SINGLE LANE, TWO-WAY LEFT TURN CHANNELIZATION



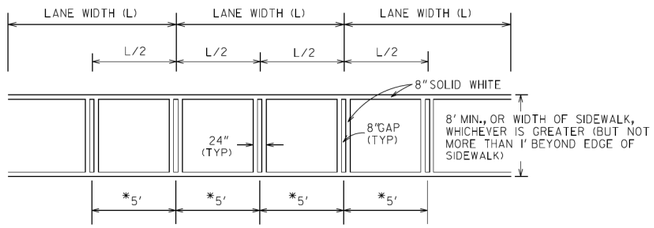
ONE-WAY TRAFFIC WITH ADDED TURN LANES



DIVIDED HIGHWAY WITH RAISED MEDIAN



TYPICAL LOCATION OF CROSSWALKS AND STOP BARS



*USE WHERE THE LANE WIDTH EXCEEDS 12' OR WHERE LANE LINES HAVE BEEN OMITTED

CROSSWALK DETAIL

GENERAL NOTES:

1. SPACING BETWEEEN 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 T-IIB.

DATE	REVISION	BY	CHK
9-15-16	ADDED GENERAL NOTE 3		

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS

PAVEMENT MARKING PLACEMENT
NON-LIMITED ACCESS ROADWAY

NO SCALE JANUARY 2000

DESIGNED ____
DRAWN ____
TRACED ____
CHECKED ____

NUMBER T-IIA

JACOBS™

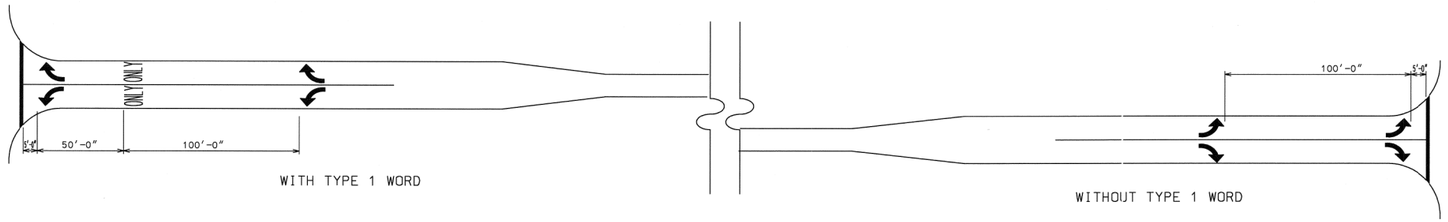
REVISION DATES

CONSTRUCTION DETAILS
15TH STREET EXTENSION

CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	40-0012
VERIFIED:		DATE:	

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

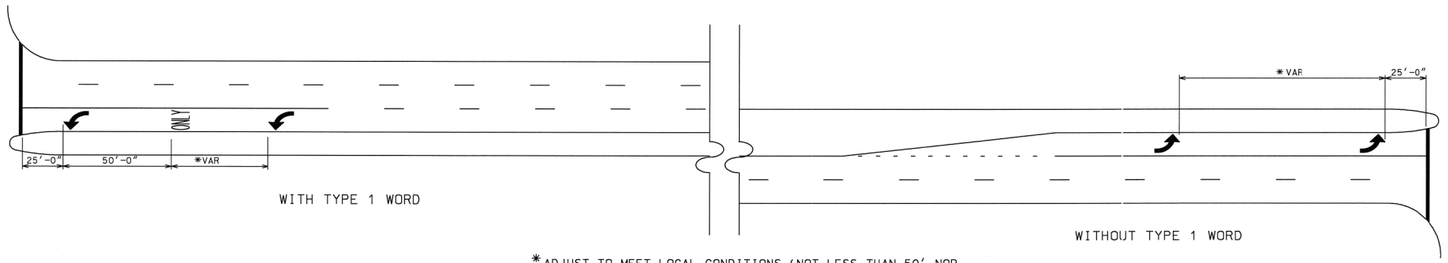
EXIT RAMPS



WITH TYPE 1 WORD

WITHOUT TYPE 1 WORD

SHORT TURN LANES

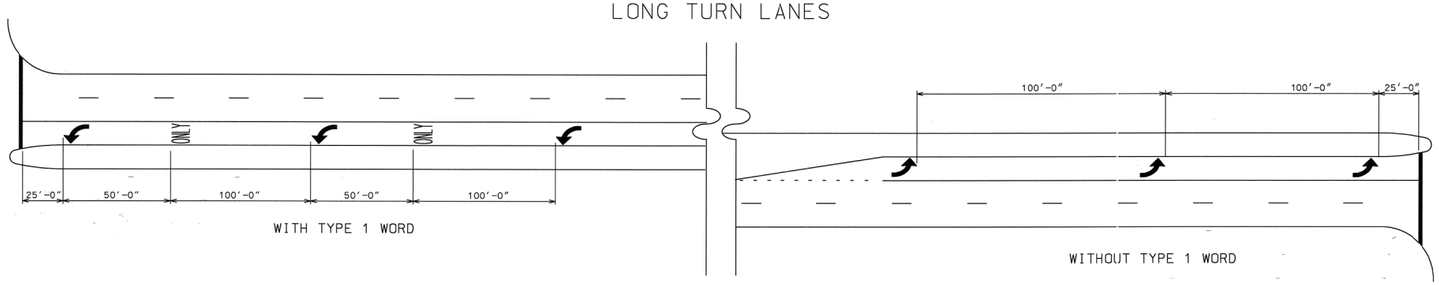


WITH TYPE 1 WORD

WITHOUT TYPE 1 WORD

*ADJUST TO MEET LOCAL CONDITIONS (NOT LESS THAN 50' NOR MORE THAN 100')

LONG TURN LANES



WITH TYPE 1 WORD

WITHOUT TYPE 1 WORD

GENERAL NOTES:

1. SPACING OF TYPE 2 ARROW IS REPRESENTATIVE OF SPACING FOR TYPE 1, TYPE 3, TYPE 4, & TYPE 5 ARROWS.
2. ALL TURNING LANES SHALL HAVE A MINIMUM OF 2 ARROWS.
3. GROUND MOUNTED OR OVERHEAD SIGNING SHALL BE SUPPLEMENTED BY TYPE 1 WORD.

DATE	REVISIONS

GEORGIA DEPARTMENT OF TRANSPORTATION
OFFICE OF TRAFFIC SAFETY & DESIGN

DETAILS OF PAVEMENT MARKING ARROW LOCATION

NO SCALE JANUARY 2000

T-12A

PCBGTB

C:\Distance Notation.dgn 04 JUL 2003 08:52:13

10/23/2015 GPLN

REVISION DATES

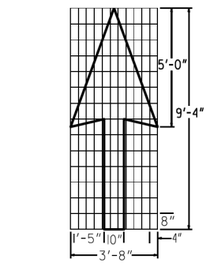
JACOBS™

CONSTRUCTION DETAILS

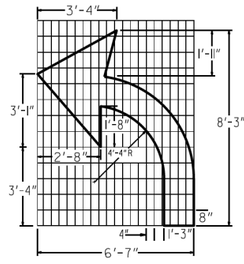
15TH STREET EXTENSION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		40-0013
CORRECTED:		DATE:		
VERIFIED:		DATE:		

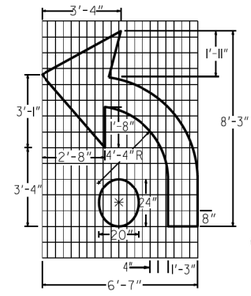
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



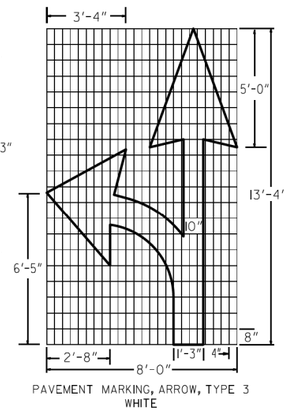
PAVEMENT MARKING, ARROW, TYPE 1
WHITE



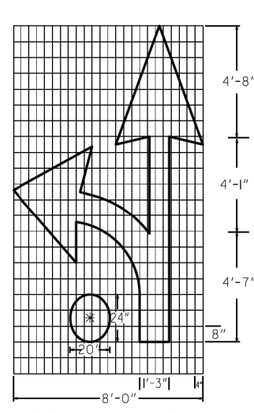
PAVEMENT MARKING, ARROW, TYPE 2
WHITE



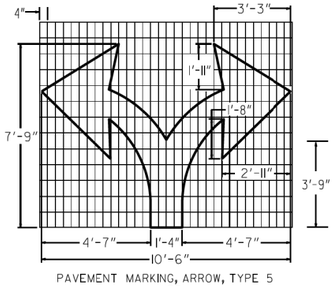
PAVEMENT MARKING, ARROW, TYPE 2A
WHITE



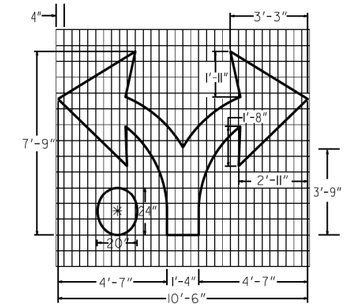
PAVEMENT MARKING, ARROW, TYPE 3
WHITE



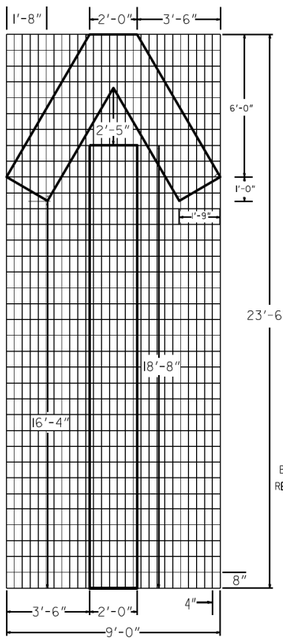
PAVEMENT MARKING, ARROW, TYPE 3A
WHITE



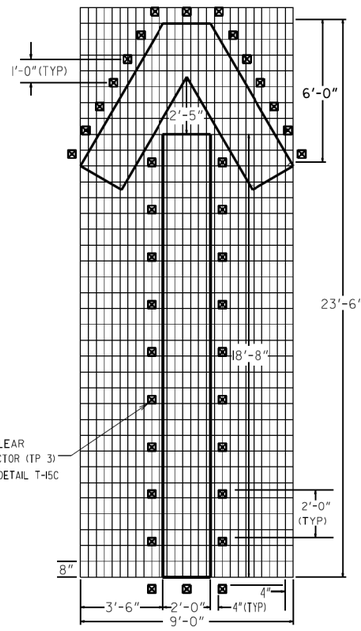
PAVEMENT MARKING, ARROW, TYPE 5
WHITE



PAVEMENT MARKING, ARROW, TYPE 5A
WHITE

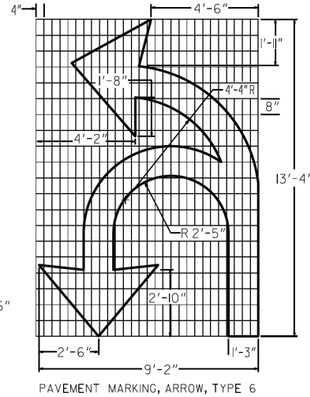


PAVEMENT MARKING, ARROW, TYPE 4
WHITE

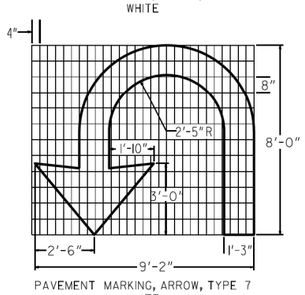


PAVEMENT MARKING, ARROW, WRONG WAY
WHITE

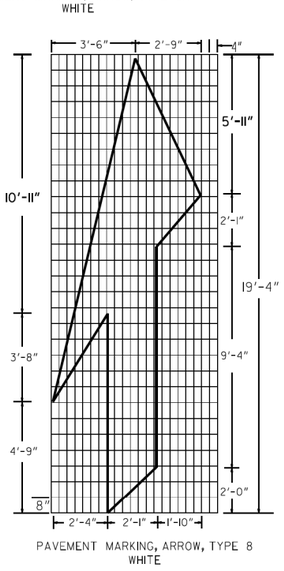
RED
CLEAR
BI-COLOR REFLECTOR (TP 3)
REFER TO GDOT DETAIL T-15C



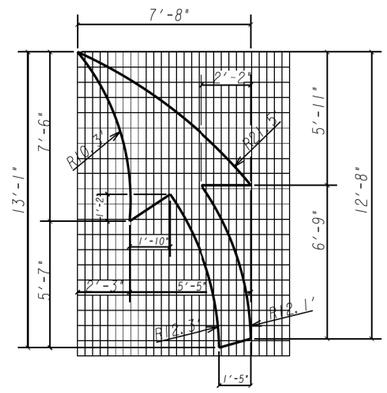
PAVEMENT MARKING, ARROW, TYPE 6
WHITE



PAVEMENT MARKING, ARROW, TYPE 7
WHITE



PAVEMENT MARKING, ARROW, TYPE 8
WHITE



PAVEMENT MARKING, ARROW, TYPE 9
WHITE (MINI ROUNDABOUTS)

NOTES
1. PAVEMENT MARKING ARROWS WITH A DOT (2A, 3A, 5A) SHALL BE USED ALONG MULTI-LANE ROUNDABOUT APPROACHES ALONG THE INSIDE LANE ONLY

BY	REVISION	DATE
ACP	ADDED TP 3 PAVEMENT MARKING ARROWS FOR MINI ROUNDABOUTS	1-04-20
ACP	ADDED TP 3 PAVEMENT MARKING ARROWS FOR ROUNDABOUTS	05-30-19
ACP	ADDED NOTE TO SHOW ONLY WRONG WAY ARROW	04-11-00

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS
PAVEMENT MARKINGS - ARROWS

NO SCALE APRIL 2000

DESIGNED ____
DRAWN ____
TRACED ____
CHECKED ____

NUMBER T-12B

JACOBS™

REVISION DATES

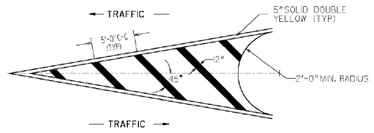
CONSTRUCTION DETAILS
15TH STREET EXTENSION

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

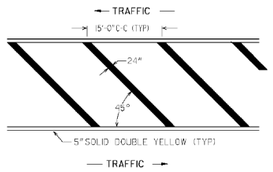
DRAWING No. 40-0014

COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS

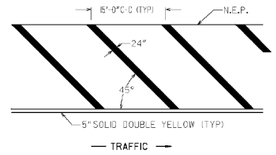
DETAIL "A" (YELLOW)



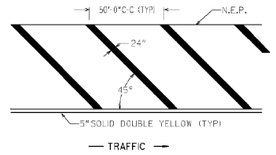
DETAIL "B" (YELLOW)



DETAIL "C" (YELLOW)



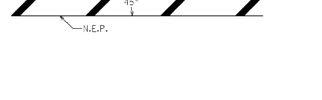
DETAIL "D" (YELLOW)



DETAIL "A" (WHITE)

DETAIL "B" (WHITE)

DETAIL "C" (WHITE)



DETAIL "D" (WHITE)

GENERAL NOTES:

1. FOR YELLOW STRIPING. THE SQUARE YARDS SHOWN ON PLAN. SUMMARY AND DETAILED ESTIMATE SHEETS INCLUDE THE AREA WITHIN THE BORDERS AND THE 5" SOLID DOUBLE YELLOW BORDER.
2. FOR WHITE STRIPING. THE SQUARE YARDS SHOWN ON PLAN. SUMMARY AND DETAILED ESTIMATE SHEETS INCLUDES THE AREA WITHIN THE BORDERS AS WELL AS THE 8" SOLID WHITE BORDER.

GEORGIA
DEPARTMENT OF TRANSPORTATION

- NO SCALE -

DATE	REVISIONS
6/25/04	Modified general note 1
1/18/05	CHANGED BORDER
11/21/08	Modified general note 1

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: TRAFFIC OPERATIONS
SIGNING AND MARKING PLANS
DETAIL OF PAVEMENT MARKING HATCHING
JANUARY 2000
NUMBER T-14
T -14

JACOBS™

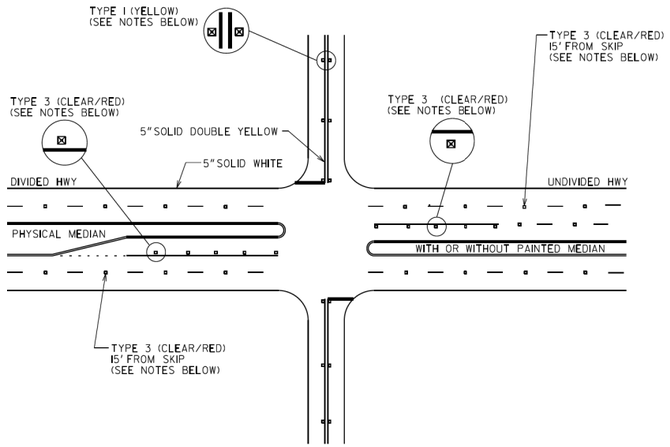
REVISION DATES

CONSTRUCTION DETAILS
15TH STREET EXTENSION

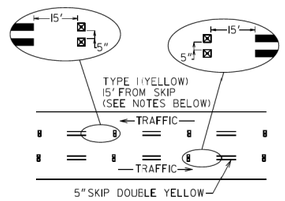
CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		40-0015
CORRECTED:		DATE:		
VERIFIED:		DATE:		

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

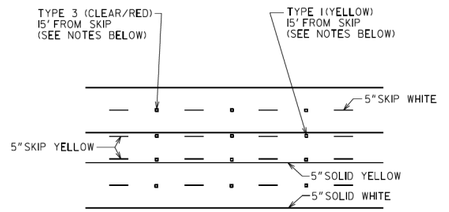
DIVIDED / UNDIVIDED HIGHWAY



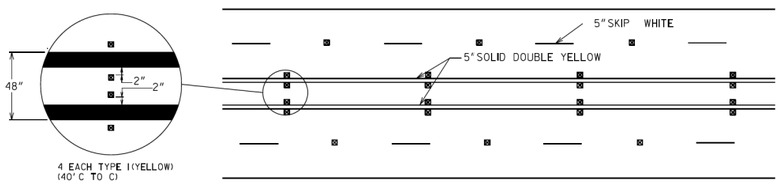
REVERSIBLE LANE



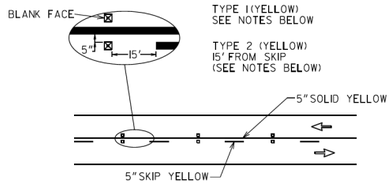
TWO WAY LEFT TURN LANE



4'-0" STRIPED FLUSH MEDIAN



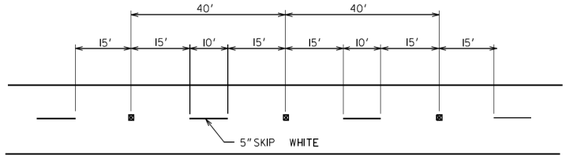
NO PASSING ZONE



GENERAL NOTES:

1. RAISED PAVEMENT MARKERS SHALL BE SPACED EVERY 40 FT UNLESS OTHERWISE SPECIFIED.
2. ON SOLID WHITE TURN BAY LINES, SPACING SHALL BE 20 FT.
3. RAISED PAVEMENT MARKERS SHALL BE OFFSET 5 INCHES FROM SOLID LANE LINES.
4. CLEAR FACE OF TYPE 3 RAISED PAVEMENT MARKERS SHALL BE ORIENTED TOWARD ONCOMING TRAFFIC.

TYPICAL RPM/STRIPE SPACING



DATE	REVISION	BY
9-15-2016	REV. RPM SPACING TO 40'	CDR

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS

RAISED PAVEMENT MARKER LOCATION
NON-LIMITED ACCESS ROADWAY

NO SCALE REV. AND REDRAWN, JUNE 2015

DESIGNED ____
DRAWN ____
TRACED ____
CHECKED ____

NUMBER T-15A

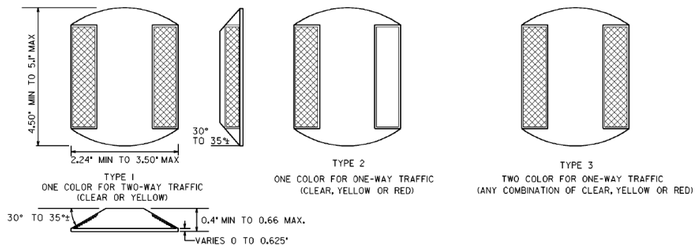
JACOBS™

REVISION DATES		

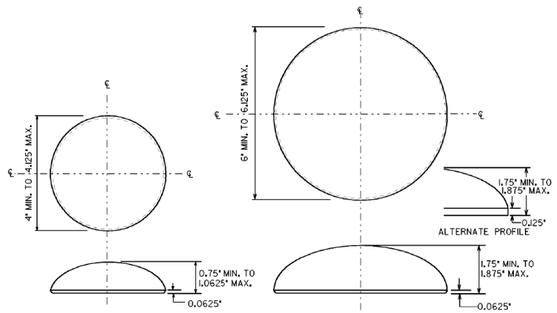
CONSTRUCTION DETAILS
15TH STREET EXTENSION

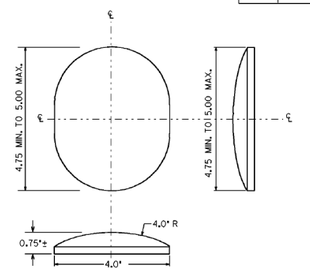
CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		40-0016
CORRECTED:		DATE:		
VERIFIED:		DATE:		

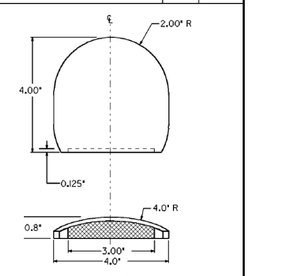
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

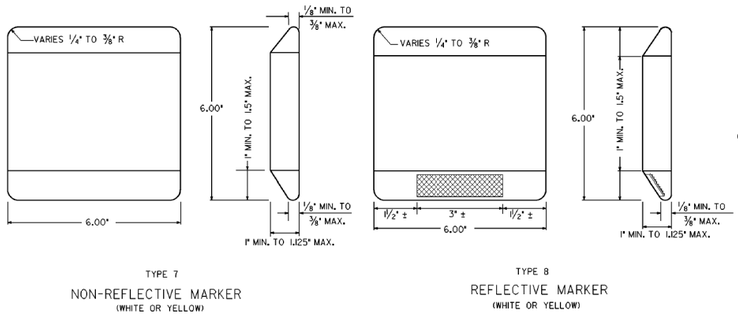


RAISED REFLECTIVE MARKERS

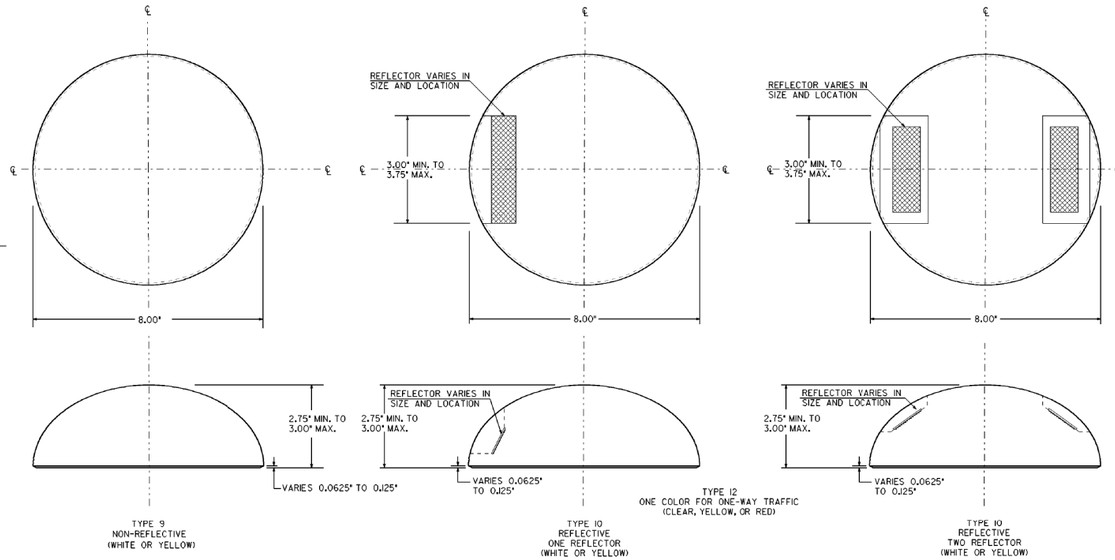




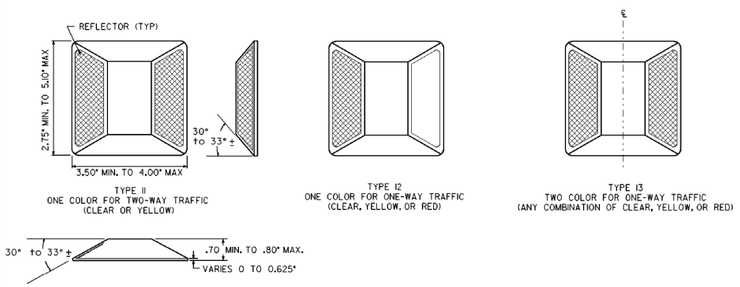




CERAMIC JIGGLE BAR MARKER



CERAMIC CHANNEL MARKER



ALTERNATE RAISED REFLECTIVE MARKERS

GENERAL NOTES:

1. SPECIFICATIONS: GEORGIA STANDARD, CURRENT EDITION, AND SUPPLEMENTS THERE TO.
2. THE CONTRACTOR SHALL USE RAISED PAVEMNT MAKER SOURCES AS LISTED IN OPL 76.
3. COLORS FOR REFLECTIVE ELEMENTS SHALL BE EITHER CLEAR, YELLOW, OR RED AS SPECIFIED.
4. THE SHELL OF THE REFLECTIVE MARKERS SHALL BE OF ONE COLOR OR OF A COMBINATION OF TWO COLORS, WHICH SHALL BE THE SAME AS THE REFLECTIVE ELEMENT.
5. THE SURFACE OF OPAQUE CERAMIC MARKERS SHALL BE GLAZED AND OF THE COLOR SPECIFIED IN THE PLANS WITH A WHITE, VITREOUS, CERAMIC BASE.
6. COLORS FOR ALL RAISED PAVEMENT MARKERS SHALL BE AS SPECIFIED IN THE PLANS.

DATE	REVISIONS
9-22-11	REV. DIMENSIONS, ADDED
	NOTES TO MARKERS
	AND REV. GEN. NOTES.

GEORGIA DEPARTMENT OF TRANSPORTATION
OFFICE OF TRAFFIC SAFETY & DESIGN

DETAILS OF
RAISED PAVEMENT MARKERS

NO SCALE JANUARY 2000

RDRSH

PCBOTB

T-15C

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JACOBS™

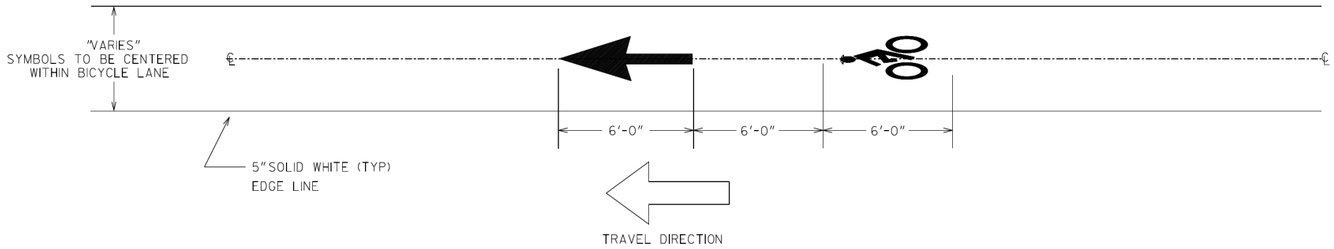
REVISION DATES

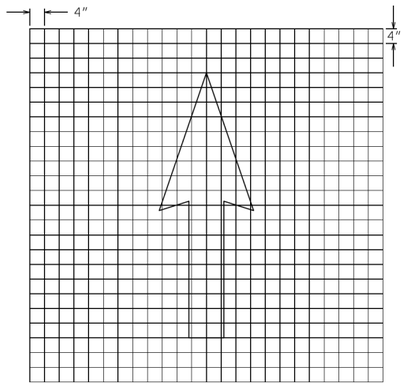
CONSTRUCTION DETAILS
15TH STREET EXTENSION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		40-0017
CORRECTED:		DATE:		
VERIFIED:		DATE:		

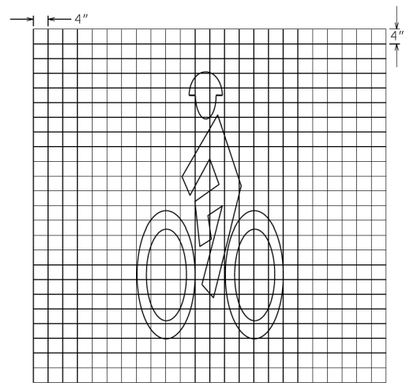
10/23/2015 GPLN

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			





TYPE I ARROW - BICYCLE LANE



TYPE 4 SYMBOL - BICYCLE LANE

GENERAL NOTES:

1. BICYCLE LANE SYMBOLS SHALL BE PLACED ON THE FAR SIDE OF EACH INTERSECTION 6 FEET BEYOND THE CROSS WALK OR END OF INTERSECTING ROAD RADII. ADDITIONAL SYMBOLS MAY BE PLACED ON LONG, UNINTERRUPTED SECTIONS OF ROADWAY BASED ON ENGINEERING JUDGEMENT.
2. ALL BICYCLE LANE PAVEMENT SYMBOLS SHALL BE HOT APPLIED PREFORMED PLASTIC (THERMOPLASTIC - 659) FOR BOTH ASPHALT AND CONCRETE PAVEMENTS.
3. BICYCLE LANE EDGE LINE SHALL MATCH THE PAVEMENT MARKING TYPE SPECIFIED BY THE PAVEMENT MARKING SELECTION CHART IN SECTION 12 OF THE SIGNING AND MARKING DESIGN GUIDELINES.
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.

BY	DATE	REVISION
MJC	3-30-16	Rev. 2009 MUTCD Manual

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS

DETAILS OF
BICYCLE LANE
PAVEMENT MARKINGS

NO SCALE JANUARY 2000

DESIGNED ____
DRAWN ____
TRACED ____
CHECKED ____

NUMBER
T-16

JACOBS™

REVISION DATES

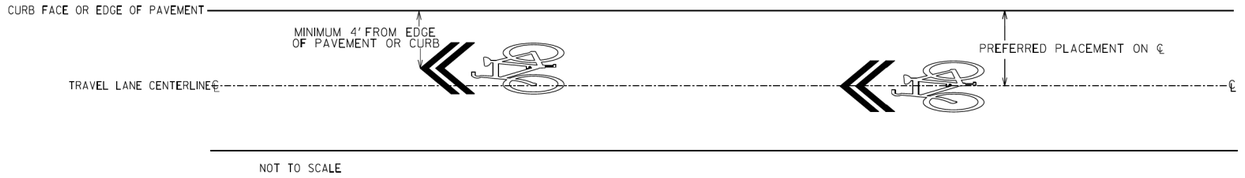
CONSTRUCTION DETAILS
15TH STREET EXTENSION

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

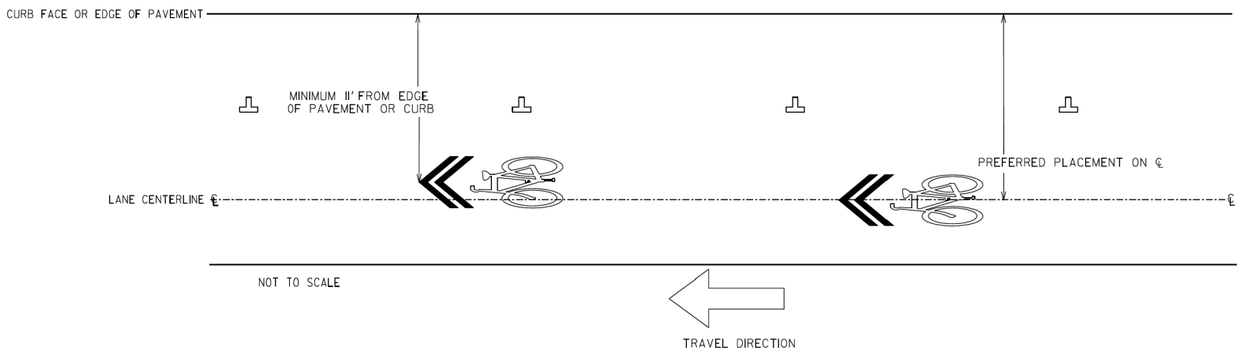
DRAWING No.
40-0018

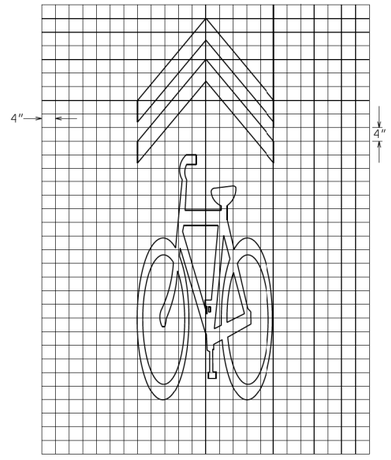
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

SHARED LANE ARROW PLACEMENT WITH NO STREET PARKING



SHARED LANE ARROW PLACEMENT WITH ON STREET PARKING





BIKE SHARED LANE SYMBOL

GENERAL NOTES:

1. SHARED LANE MARKINGS SHALL BE PLACED ON THE FAR SIDE OF EACH INTERSECTION 6 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 - 659) 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.

REVISION	BY	DATE

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS

DETAILS OF SHARED BICYCLE LANE

NO SCALE 3-30-16

DESIGNED ____
DRAWN ____
TRACED ____
CHECKED ____

NUMBER T-16A

JACOBS™

REVISION DATES

CONSTRUCTION DETAILS
15TH STREET EXTENSION

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
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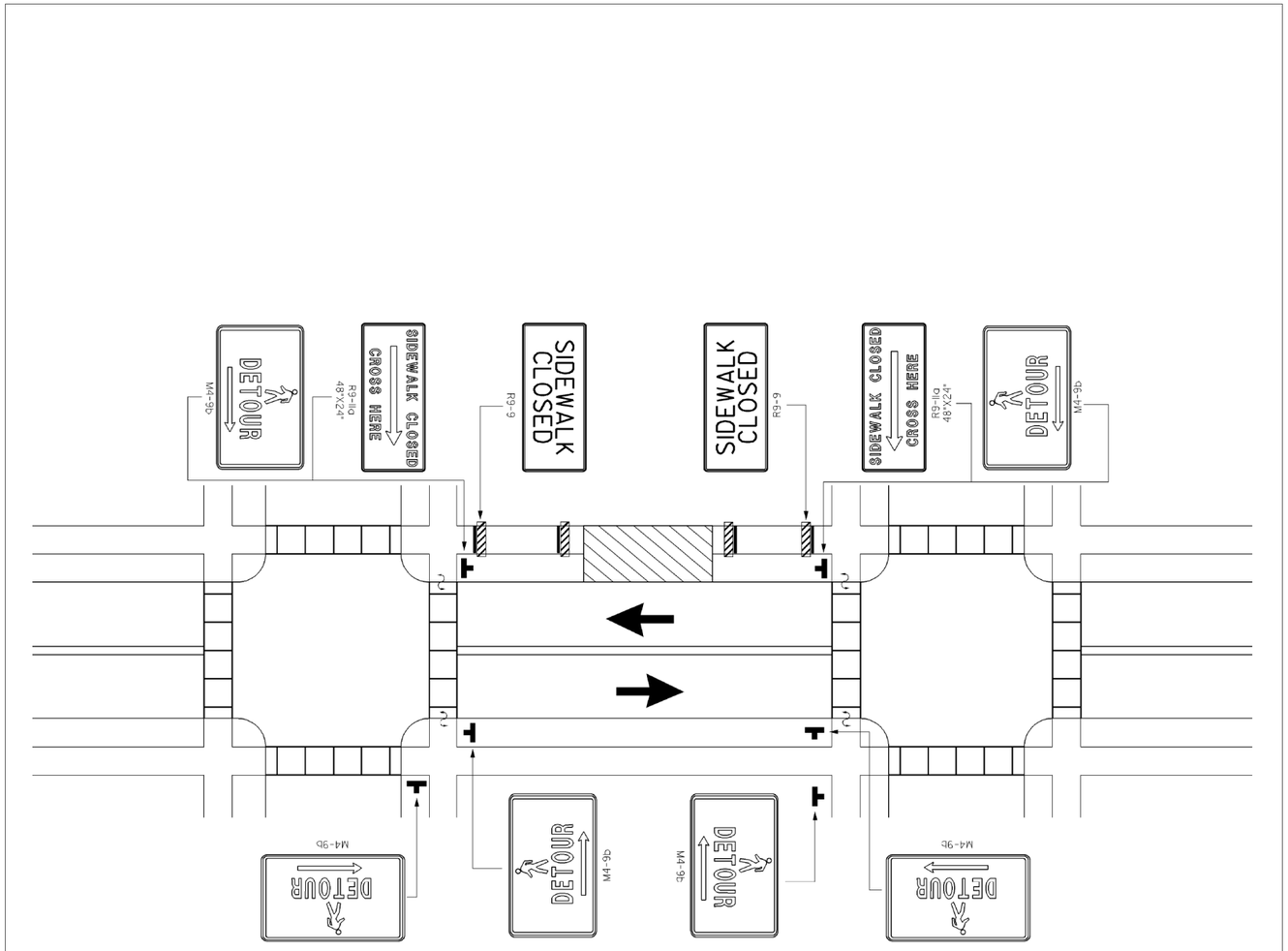
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



SIDEWALK DETOUR

GENERAL NOTES:

1. CLOSURES OF EXISTING PEDESTRIAN FACILITIES SHALL HAVE PRIOR WRITTEN APPROVAL OF THE ENGINEER.

2. ALL TRAFFIC CONTROL DEVICES SHALL BE MADE AND ERECTED IN ACCORDANCE WITH THE DETAILS SHOWN ON THE PLANS, THE MUTCD, THE GEORGIA STANDARD SPECIFICATIONS, AND/OR SPECIAL PROVISIONS. (SEE SECTION 150) DETECTABLE EDGING AND DETECTABLE BARRIERS SHALL BE IN COMPLIANCE WITH THE MUTCD AND ADA REGULATIONS.

3. SIGNS AND OTHER DEVICES SHALL BE PLACED SUCH THAT THEY DO NOT NARROW OR RESTRICT ANY PEDESTRIAN PASSAGE TO LESS THAN 48 INCHES (4 FT) IN WIDTH. SIGNS AND OTHER DEVICES MOUNTED LOWER THAN SEVEN (7) FEET ABOVE THE TEMPORARY PEDESTRIAN WALKWAY SHALL NOT PROJECT MORE THAN FOUR (4) INCHES INTO THE ACCESSIBLE PEDESTRIAN FACILITIES.

4. NO PAYMENT WILL BE MADE FOR TEMPORARY WALKWAYS WITH DETECTABLE EDGING WHERE EXISTING PAVEMENTS OR EXISTING EDGING (THAT MEETS THE REQUIREMENTS OF MUTCD) ARE UTILIZED FOR THE TEMPORARY WALKWAY. PAYMENT FOR TEMPORARY DETECTABLE EDGING, INCLUDING APPROVED BARRIERS AND CHANNELIZING DEVICES, THAT ARE INSTALLED ON EXISTING PAVEMENTS SHALL BE INCLUDED IN TRAFFIC CONTROL-LUMP SUM.

5. REGARDLESS OF THE MATERIALS USED, THE CONTRACTOR SHALL CONSTRUCT TEMPORARY WALKWAYS (WITH DETECTABLE EDGING) OF SUFFICIENT THICKNESS AND DURABILITY TO WITHSTAND THE INTENDED USE FOR THE DURATION OF THE CONSTRUCTION PROJECT (SEE SECTION 150 FOR MINIMUM DESIGN PARAMETERS). THE USE OF COMPACTED SOILS, SANDS, CRUSHED STONE, OR ASPHALTIC PAVEMENT MILLINGS SHALL NOT BE USED AS A SURFACE COURSE FOR TEMPORARY PEDESTRIAN WALKWAYS.

6. A 60-INCH MINIMUM WIDTH PEDESTRIAN FACILITY SHOULD BE MAINTAINED WHEN POSSIBLE. WHEN A 60-INCH MINIMUM WIDTH CANNOT BE ACHIEVED, A MINIMUM WIDTH OF 48 INCHES SHALL BE PROVIDED WITH PASSING ZONES (60 INCHES BY 60 INCHES) AT LEAST EVERY 200 FEET.

7. TEMPORARY AUDIBLE INFORMATION DEVICES SHOULD BE USED WHERE MIDBLOCK CLOSINGS AND CHANGED CROSSWALK AREAS CAUSE INADEQUATE COMMUNICATION TO BE PROVIDED TO PEDESTRIANS WHO HAVE VISUAL DISABILITIES.

8. WHEN CURB CUT RAMP IS NOT PRESENT, TEMPORARY OR PERMANENT CURB CUT RAMP WILL BE PROVIDED BY CONTRACTOR.

STANDARD LEGEND

DETECTABLE BARRIER	CURB CUT RAMP WITH DETECTABLE SURFACE WARNING
DETECTABLE EDGING	SIGN
WORK SITE	DIRECTION OF TRAFFIC LANE(S)

REVISED TITLE BLOCK	10-16-08	DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA
		CONSTRUCTION DETAIL TRAFFIC CONTROL PEDESTRIAN ACCESSIBILITY AROUND WORKZONE - SIDEWALK DETOUR
		NO SCALE — SEPTEMBER 2008
GLO BY		T-21

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JACOBS™

REVISION DATES

CONSTRUCTION DETAILS

15TH STREET EXTENSION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		40-0020
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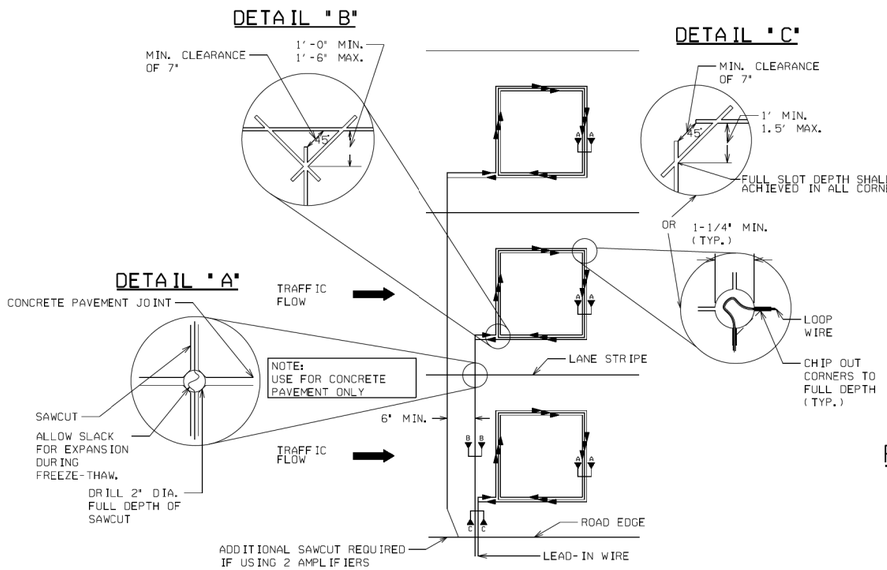
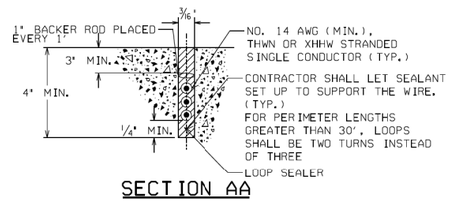
VERIFIED:		DATE:		

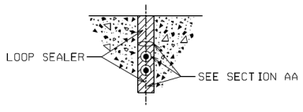
GDOT Georgia Department of Transportation — P. I. No.



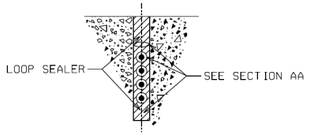
PLAN VIEW OF STANDARD LOOP SAW CUTS



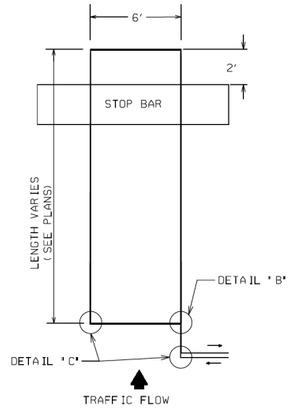
SECTION AA



SECTION BB



SECTION CC

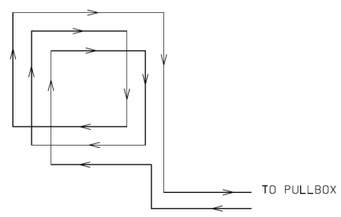


NO SCALE

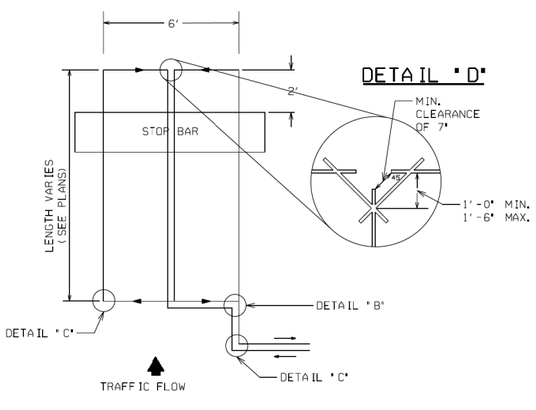
PLAN VIEW OF DIPOLE LOOP

LOOP WIRE CONFIGURATION

THE DOUBLE LAYER CONFIGURATION (2-2) SHOWN IS A MINIMUM DESIGN. FOR NORMAL INSTALLATIONS WHEN REQUIRED BY THE PLANS.



DIPOLE LOOP WIRE PLAN

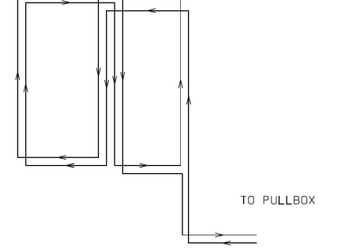


NO SCALE

PLAN VIEW OF QUADRUPOLE

LOOP WIRE CONFIGURATION

THE DOUBLE LAYER CONFIGURATION (2-4-2) SHOWN IS A MINIMUM DESIGN. FOR NORMAL INSTALLATIONS WHEN REQUIRED BY THE PLANS.



QUADRUPOLE LOOP WIRE PLAN

GENERAL NOTES:
1. INDUCTANCE LOOPS SHALL NOT BE INSTALLED IN A BRIDGE DECK. LOOPS MAY BE INSTALLED IN A BRIDGE APPROACH SLAB.
2. NO INDUCTANCE LOOP LEADS THROUGH TURNING RADIUS AT INTERSECTION.
3. INDUCTANCE LOOPS SHALL BE WOUND IN OPPOSITE DIRECTIONS IN ADJACENT LANES.
4. INDUCTANCE LOOPS SHALL NOT CROSS PAVEMENT TYPES (ASPHALT TO CONCRETE).

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAIL

INDUCTIVE LOOP DETECTOR INSTALLATION

DATE | REVISION | BY

NOVEMBER 2020
NO SCALE

NUMBER TS-01A

JACOBS™

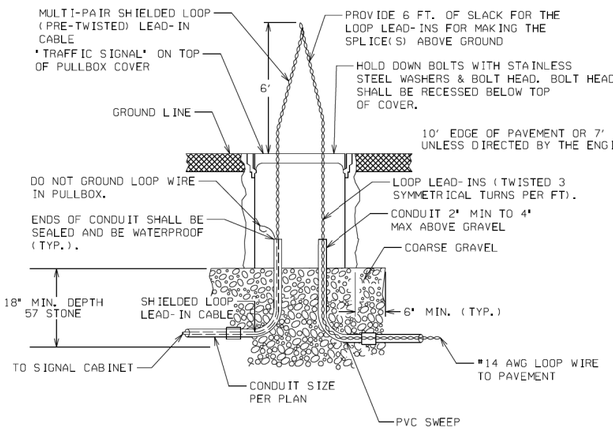
REVISION DATES

CONSTRUCTION DETAILS
15TH STREET EXTENSION

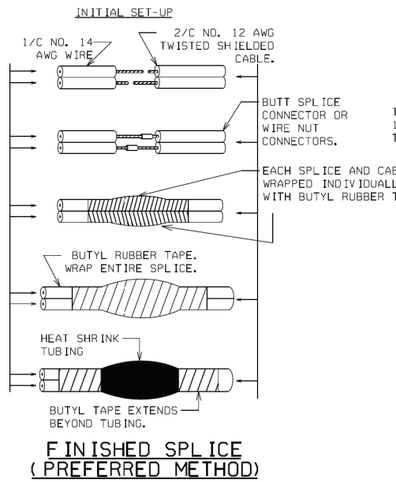
CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		40-0021
CORRECTED:		DATE:		
VERIFIED:		DATE:		

GDOT Georgia Department of Transportation — P. I. No.

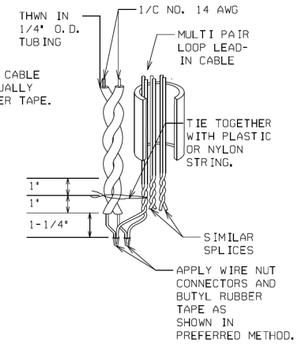
TYPICAL CONDUIT ENTRANCE DETAILS TYPE 1, 2, 3, 4S, & 5S PULLBOX



SPLICE DETAILS

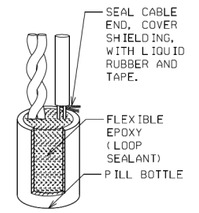


FINISHED SPLICE (PREFERRED METHOD)



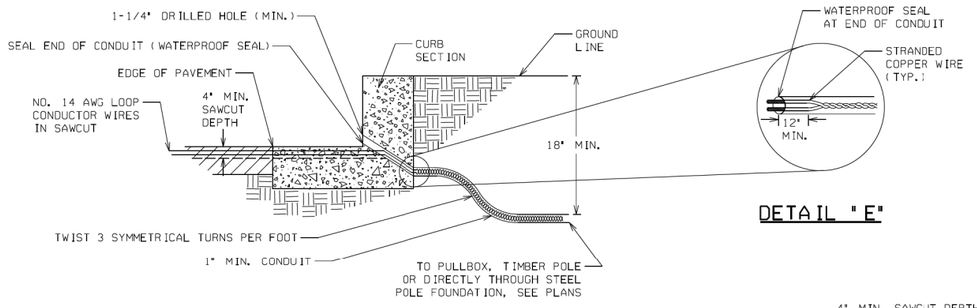
SPLICE ALTERNATE #1

NOTE:
FINISHED SPLICES MUST BE WATERPROOF



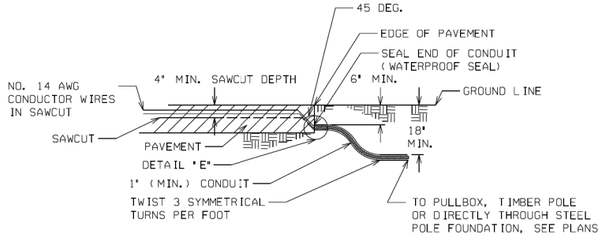
SPLICE ALTERNATE #2

EDGE OF PAVEMENT DETAILS

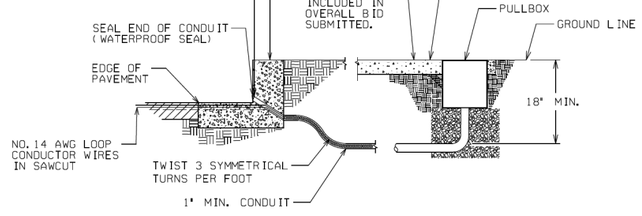


TYPICAL CURB DETAIL (WITHOUT SIDEWALK)

DETAIL "E"



DETAIL WHERE NO CURB EXISTS



TYPICAL CURB DETAIL (WITH SIDEWALK)

REVISION	BY	DATE

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAIL

INDUCTIVE LOOP DETECTOR INSTALLATION

NOVEMBER 2020
NO SCALE

NUMBER TS-01B

10/23/2015 GPLN

JACOBS™

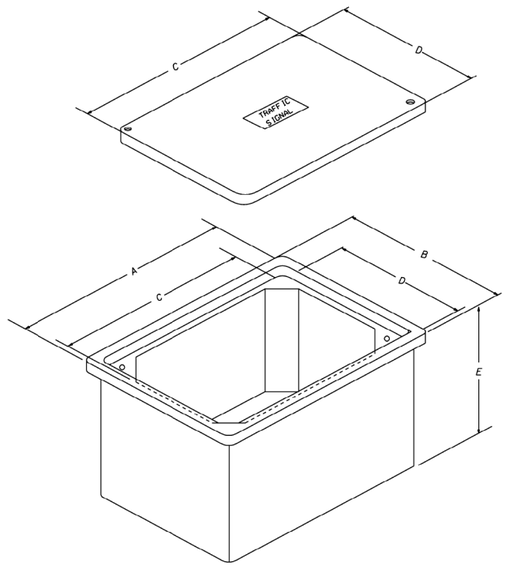
REVISION DATES

CONSTRUCTION DETAILS
15TH STREET EXTENSION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		40-0022
CORRECTED:		DATE:		
VERIFIED:		DATE:		

STATE	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.				

PULLBOX TYPES 1, 2 AND 3



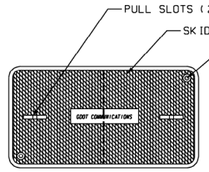
PULL BOX TYPE	SIZE (IN.)				
	A	B	C	D	E
1	14	14	12	12	12
2	21	14	18	11	12
3	33	20	30	17	12
4S	38	26	36	24	18
4	38	26	36	24	36
5S	50	32	48	30	18
5	50	32	48	30	36
6	38	26	36	24	36
7	50	32	48	30	36

NOTES:
1. SIZES SHOWN ARE MINIMUM TRADE SIZES.
2. DIMENSIONS "C" AND "D" ARE MINIMUM REQUIREMENTS WITH A TOLERANCE OF NO MORE THAN (-.050 IN/ + 2 IN)
3. EXTEND COARSE GRAVEL 6" BEYOND BASE OF PULL BOX
4. PULL BOXES TYPE 4, 4S, 5, 5S, 6 & 7 SHALL HAVE 1" (DEGREE) FLARES FOR MAXIMUM STRENGTH
5. DESIGN PULL BOXES TO MEET OR EXCEED THE TIER LOADING SET FORTH IN SPECIFICATIONS 647.

Guidelines For Usage On Metric Projects

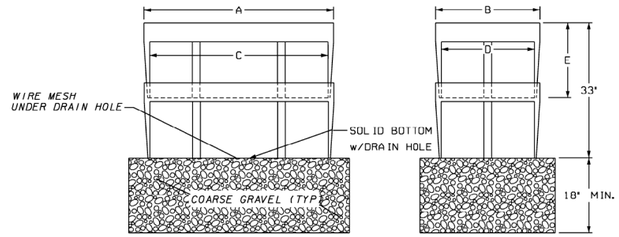
When these details are incorporated into plans and or projects that are being prepared or constructed in metric units, exact or precise conversion to metric units is not required. The dimensions shown that are in feet and inches may be converted to corresponding metric units using the following "Rounded-Off" conversion factors: 1"=25mm, 4"=100mm, and 12" or 1'=300mm. All measurement notes that refer to linear feet and square yards shall be interpreted to mean linear meters and square meters.

TYPE 4, 5, 4S, 5S, 6, AND 7 PULLBOX ASSEMBLIES



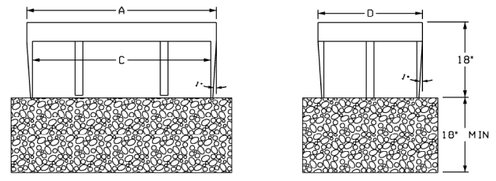
TOP VIEW

NOTE:
1. TYPE 5 AND TYPE 7 PULL BOXES SHALL HAVE SPLIT LID

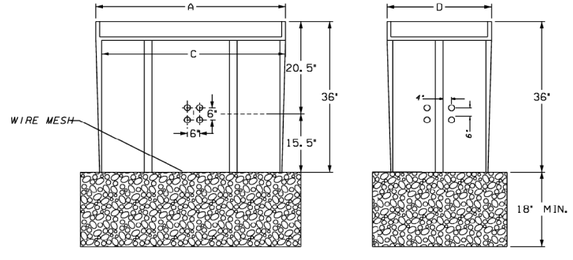


FRONT VIEW END VIEW

TYPE 4 AND 5 STACKABLE ASSEMBLY

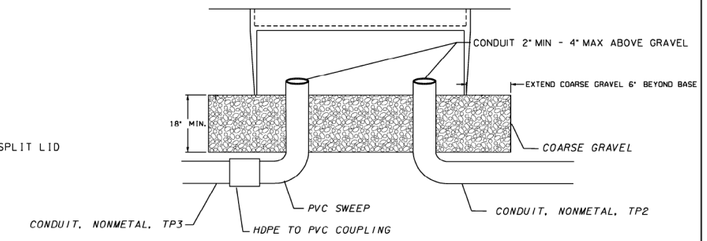


TYPE 4S AND 5S

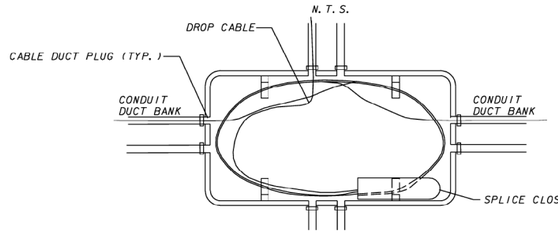


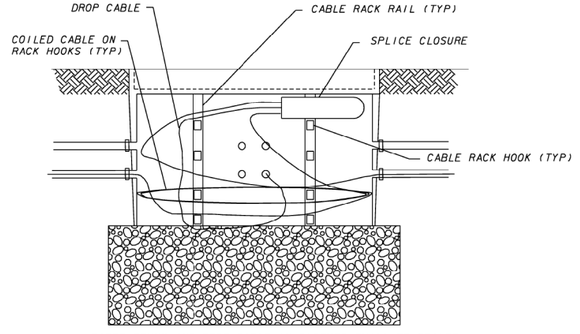
TYPE 6 AND 7

TYPICAL CONDUIT ENTRANCE DETAILS
TYPE 1,2,3,4S & 5S



FIBER OPTIC CABLE MANAGEMENT IN TYPE 4,5,6 & 7 PULL BOX





FIBER TRUNK AND DROP CABLE IN CLOSURE SHALL BE COILED TOGETHER. SEPARATE FIBER CABLES SHALL BE COILED SEPARATELY AND SUPPORTED ON SEPARATE RACK HOOKS.

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

TRAFFIC SIGNAL DETAIL

PULLBOX ASSEMBLY AND INSTALLATION

DETAIL NUMBER: TS-02

APRIL 2010
NOT TO SCALE - REPORT ERRORS

DATE / REVISION / BY

JACOBS™

REVISION DATES

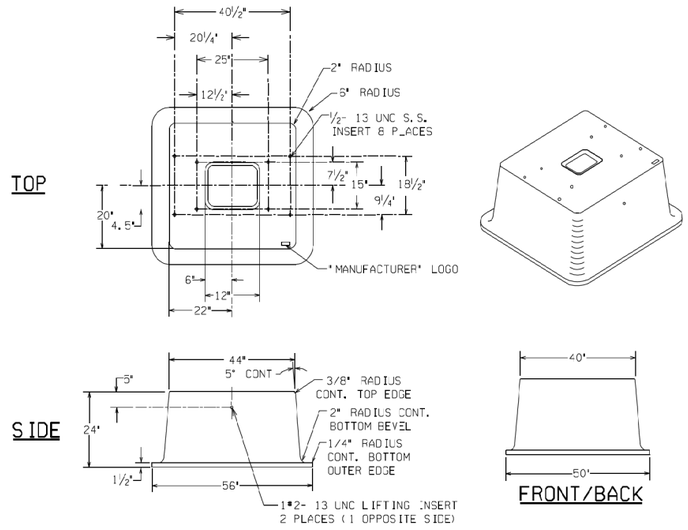
CONSTRUCTION DETAILS
15TH STREET EXTENSION

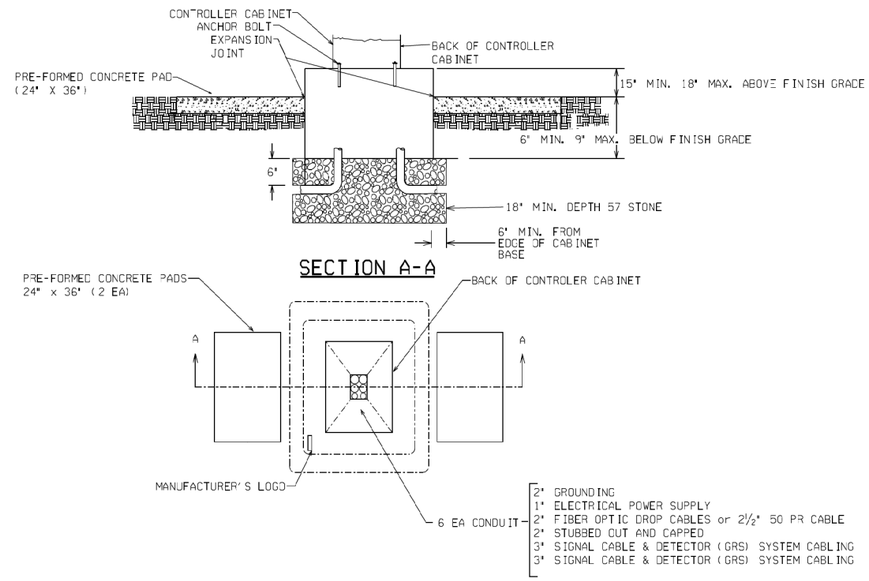
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

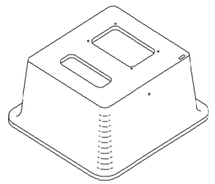
DRAWING No. 40-0023

GDOT Georgia Department of Transportation — P. I. No.

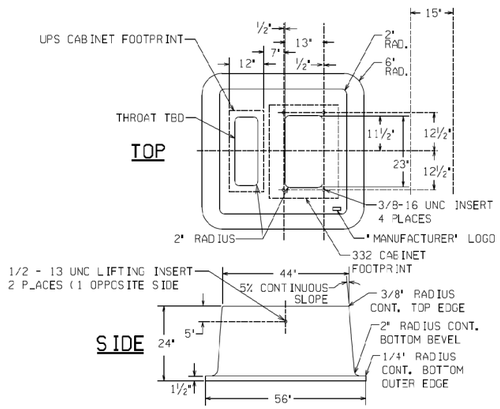
PREFABRICATED 332 CONTROLLER BASE



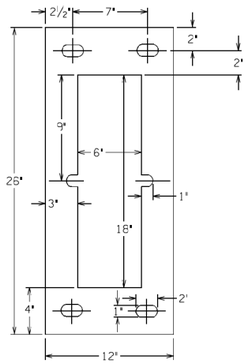


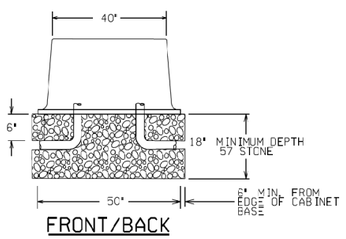


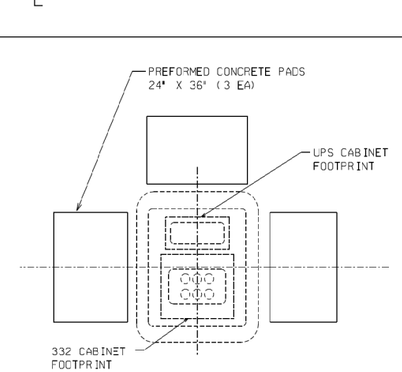
PREFABRICATED CONTROLLER BASE WITH UPS BASE MOUNT EXTENSION



PREFABRICATED UPS BASE MOUNT CABINET BASE







NOTE: MODEL 332 CONTROLLER CABINETS WITH UPS REQUIRES THREE PADS

DATE	DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA		
REVISION	CONSTRUCTION DETAIL PREFABRICATED CABINET BASE		
BY	NOVEMBER 2020 NO SCALE	NUMBER TS-02	

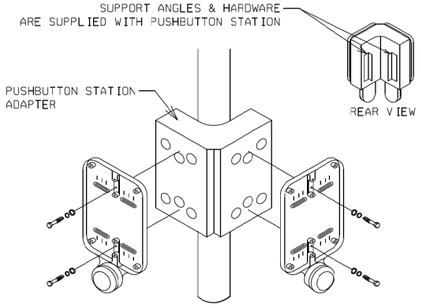
JACOBS™

REVISION DATES

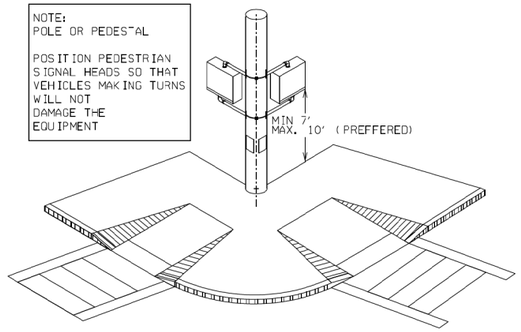
CONSTRUCTION DETAILS
15TH STREET EXTENSION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		40-0024
CORRECTED:		DATE:		
VERIFIED:		DATE:		

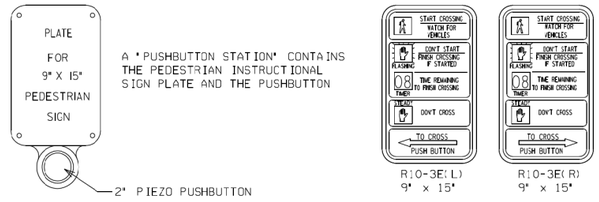
GDOT Georgia Department of Transportation | P.I. No.



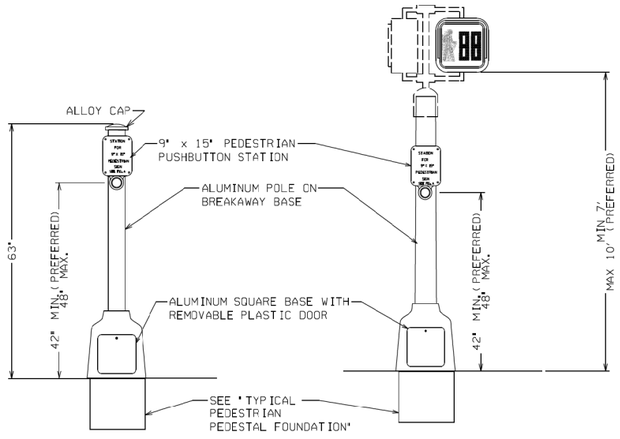
DOUBLE PUSHBUTTON STATION ADAPTER FOR 4" DIA. PEDESTRIAN PEDESTAL



PEDESTRIAN SIGNAL HEAD ORIENTATION FOR SIDE OF POLE MOUNTING



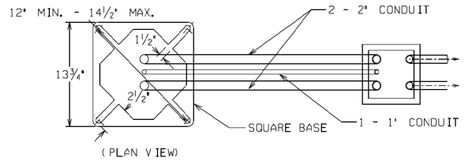
PEDESTRIAN PUSHBUTTON STATION AND SIGNS



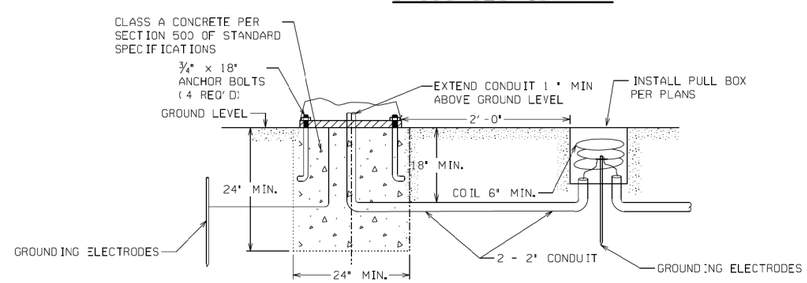
PEDESTRIAN PUSHBUTTON POST

PEDESTRIAN SIGNAL PEDESTAL

NOTE:
DETAILS SHOWN ARE FOR TOP POST MOUNTING ASSEMBLY ON 10' PEDESTRIAN POLE.
A CLAMSHELL MOUNTING ASSEMBLY (NOT SHOWN) MAY BE USED AS APPROVED BY THE DEPARTMENT.
THE CLAMSHELL MOUNTING HARDWARE ASSEMBLY SHALL MEET THE SAME GDOT STANDARDS AS THE PEDESTRIAN SIGNAL HOUSING IN PAINT AND MATERIAL.



CROSS SECTION A-A



TYPICAL PEDESTRIAN PEDESTAL FOUNDATION

NOTE: SEE TS-06 FOR GROUNDING DETAILS

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAIL

PEDESTRIAN FACILITIES INSTALLATION

DATE | REVISION | BY

NOVEMBER 2020
NO SCALE

NUMBER TS-03

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REVISION DATES

CONSTRUCTION DETAILS
15TH STREET EXTENSION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		40-0025
CORRECTED:		DATE:		
VERIFIED:		DATE:		

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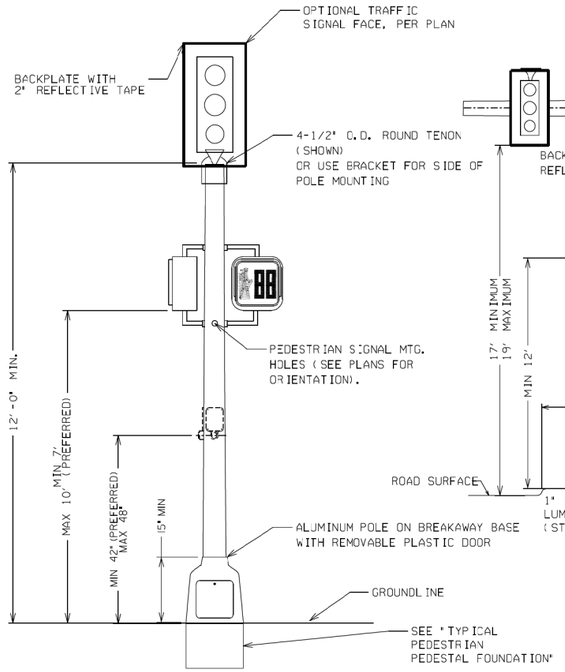
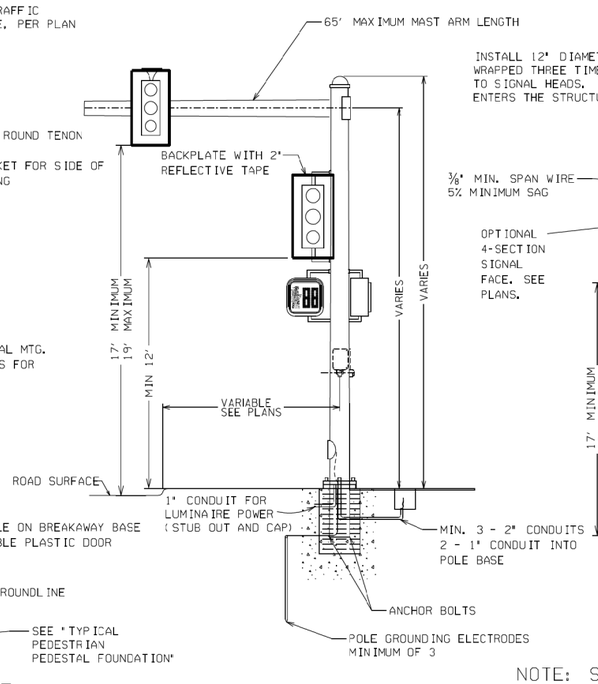
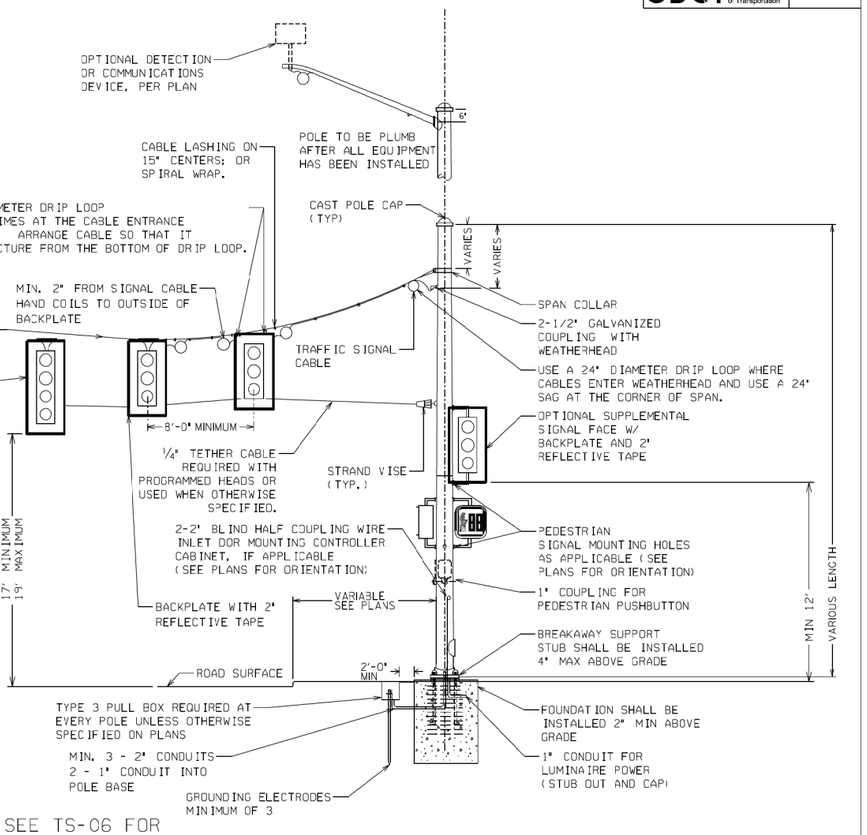


PEDESTAL POLE MOUNTED SIGNAL HEAD



TYPICAL MAST ARM POLE DETAIL



NOTE: SEE TS-06 FOR GROUNDING DETAILS

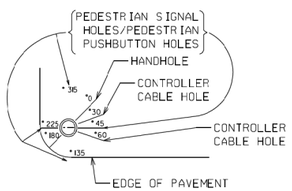
TYPICAL STEEL STRAIN POLE DETAIL

NOTES:
1. FOUNDATION SIZE AND REINFORCING SHALL BE DETERMINED FROM THE 'STRAIN POLE AND MAST ARM FOUNDATIONS' SHEET WITH THE USE OF THE BENDING MOMENT AT YIELD PROVIDED BY POLE MAUFACTURER.
2. ALL HOLES IN MAST ARMS MUST BE FABRICATED BY THE MANUFACTURER. SEE SECTION 925 OF STANDARD SPECIFICATIONS REGARDING RIGID MOUNTING HARDWARE FOR SIGNAL HEADS.
3. IN ORDER TO MEET CLEAR ZONE REQUIREMENTS, FIXED OBJECTS SHALL BE PLACED WITH APPROPRIATE OFFSET AS DEFINED IN THE GDOT DESIGN POLICY MANUAL OR AASHTO'S 'ROADSIDE DESIGN GUIDE', OR BE PROTECTED BY GUARDRAIL. FOR GUARDRAIL APPLICATIONS, PROVIDE A MINIMUM SPACING OF 6 FEET BETWEEN THE FACE OF THE GUARDRAIL AND THE FACE OF ALL OBJECTS BEHIND THE GUARDRAIL.
4. HELPER CABLE IS REQUIRED ON ALL SPAN LENGTHS EXCEEDING 150 FEET.

5A. SPAN WIRE USED WITH STRAIN POLE INSTALLATION SHALL HAVE A MINIMUM 5% SAG.
5B. SPAN WIRE USED WITH TIMBER POLE INSTALLATION SHALL HAVE A MINIMUM 2.5% SAG.

VERTICAL DROP (FT) BETWEEN POLE ATTACHMENT AND LOW POINT IN SPAN = DESIRED SAG x SPAN LENGTH

SPAN LENGTH = LONGEST DISTANCE BETWEEN ANY TWO SUPPORT POLES IN INSTALLATION.



TOP VIEW FOR INLET HOLES ORIENTATION

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAIL

TRAFFIC SIGNAL SUPPORT STRUCTURES

DATE | REVISION | BY

NOVEMBER 2020
NO SCALE

NUMBER TS-04A

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REVISION DATES

CONSTRUCTION DETAILS
15TH STREET EXTENSION

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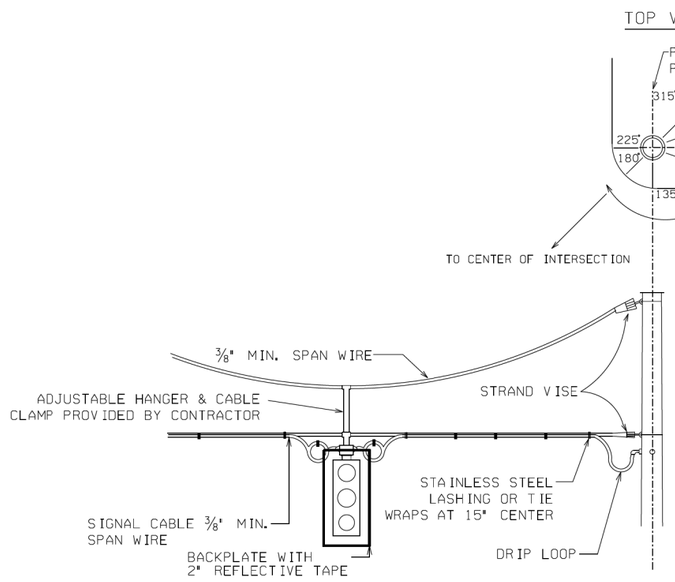
GDOT Georgia Department of Transportation — P. I. No.

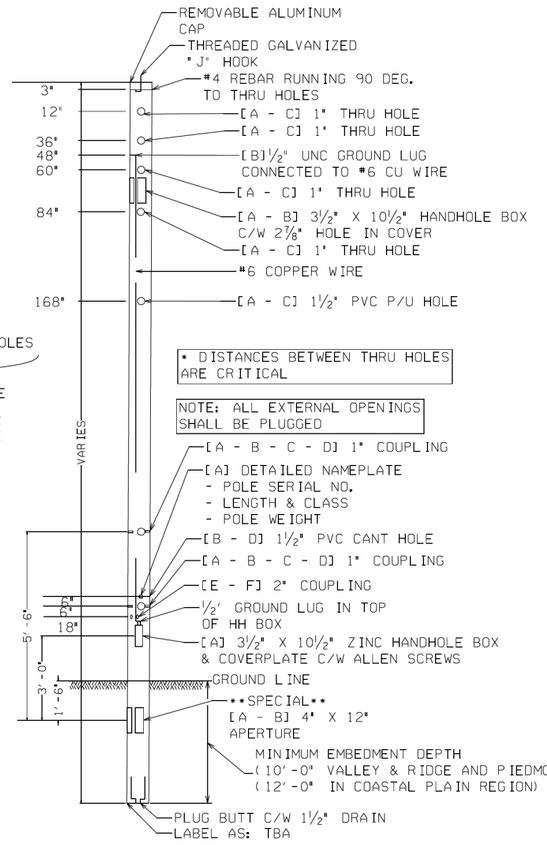
NOTE:
CONCRETE STRAIN POLE FOOTING WILL INCLUDE THE SAME FOOTING DESIGN AS A SIMILAR DESIGN STEEL POLE. THE STEEL REINFORCEMENT FROM *STRAIN POLE AND MAST ARM FOUNDATIONS* (TS-05) WILL BE INSTALLED AROUND THE CONCRETE STRAIN POLE. BACKFILL THE POLE AS DESCRIBED IN THE "CAISSON DETAIL" UP TO THE LEVEL OF THE CONDUIT ENTRANCE/HAND HOLE DEPTH. ONCE THE CONDUIT AND WIRE CONNECTIONS ARE MADE INSIDE THE POLE, FINISH BACKFILLING ACCORDING TO "CAISSON DETAIL."

ALL POLES SHALL HAVE ATTACHMENT POINTS 2' (MIN.) ABOVE ACTUAL ATTACHMENT POINT FOR FUTURE USE.

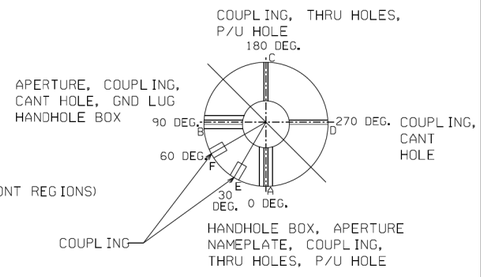
NO DRILLING OF POLE WITHOUT APPROVAL FROM GDOT.



RIGID MOUNT FOR USE IN HIGH WIND AREAS (WHEN NOTED ON PLANS)



TYPICAL POLE SECTION FOR CONCRETE STRAIN POLE



TYPICAL VIEW FROM TOP

DATE	DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
REVISION	CONSTRUCTION DETAIL TRAFFIC SIGNAL SUPPORT STRUCTURES	
BY	NOVEMBER 2020 NO SCALE	NUMBER TS-04B

JACOBS™

REVISION DATES		

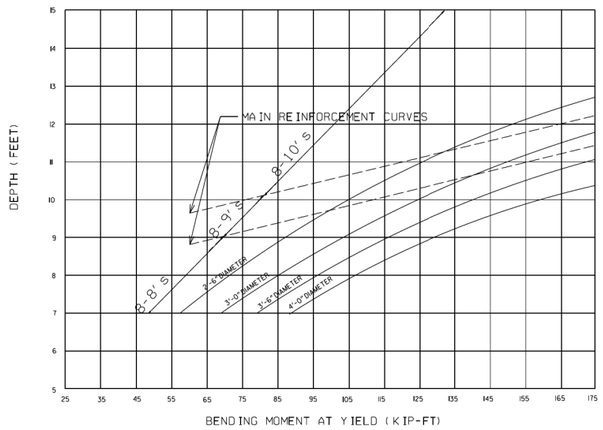
CONSTRUCTION DETAILS
15TH STREET EXTENSION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		40-0027
CORRECTED:		DATE:		
VERIFIED:		DATE:		

GDOT Georgia Department of Transportation — P. I. No.

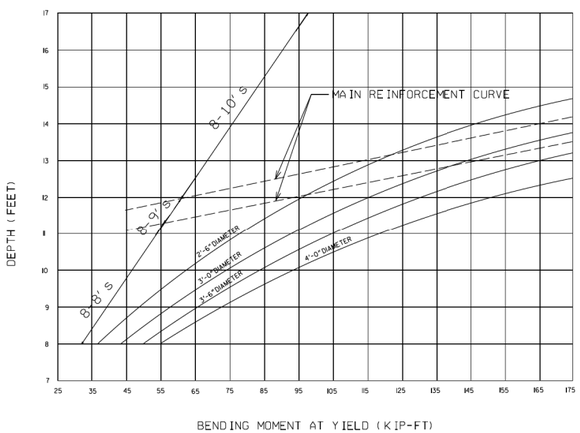
PIEDMONT

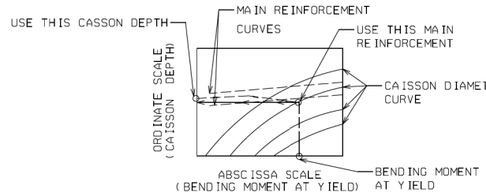
γ= 120 PCF
Φ= 25 DEGREES
C= 300 PCF



COASTAL PLAIN

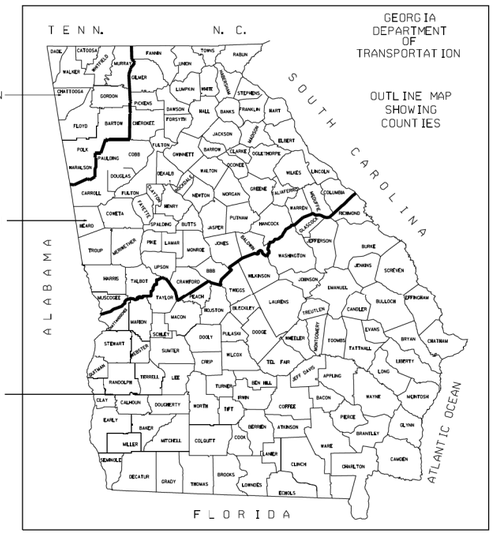
γ= 120 PCF
Φ= 32 DEGREES
C= 0 PCF





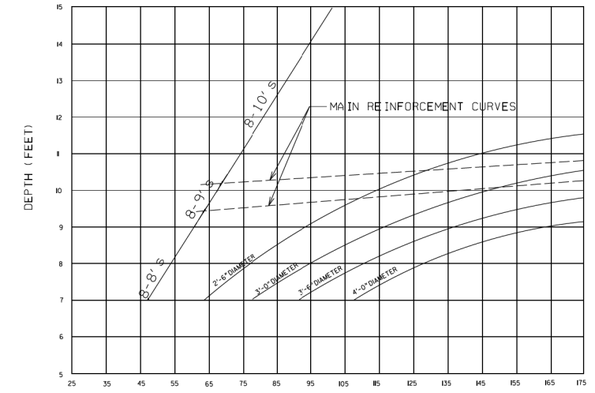
PROCEDURE TO FIND FOOTING SIZE

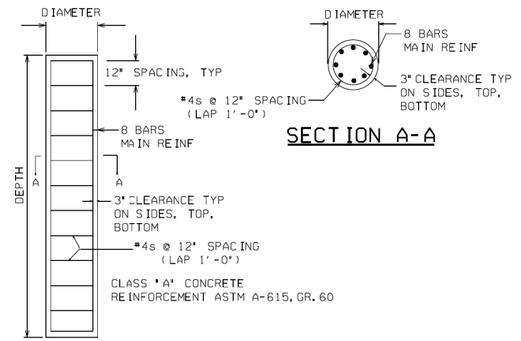
1. DETERMINE "BENDING MOMENT AT YIELD" FROM APPROVED SHOP DRAWINGS.
2. SELECT DIAMETER OF CAISSON.
3. READ "BENDING MOMENT AT YIELD" ON ABSCISSA SCALE, PROJECT A VERTICAL LINE UPWARD UNTIL THE DESIRED "CAISSON DIAMETER CURVE" IS INTERSECTED, TURN 90 DEGREES AND PROJECT A HORIZONTAL LINE UNTIL THE ORDINATE SCALE IS INTERSECTED.
4. READ THE REQUIRED "CAISSON DEPTH" FROM THE INTERSECTION POINT ON THE ORDINATE SCALE DEPTH SHALL BE INTERPOLATED TO THE NEAREST 3 INCH INCREMENT.
5. READ THE REQUIRED "MAIN REINFORCEMENT SIZE" FROM THE INTERSECTION POINT ON THE CAISSON DIAMETER CURVE.



VALLEY & RIDGE

γ= 115 PCF
Φ= 18 DEGREES
C= 750 PSF





SECTION A-A

CLASS "A" CONCRETE REINFORCEMENT ASTM A-615, GR. 60

CAISSON DETAIL

NOTE:
ALL REINFORCEMENT SHALL BE PLACED AND TIED IN ACCORDANCE WITH THE STANDARD SPECS AND SPECIAL PROVISIONS. WELDING OF BAR REINFORCEMENT SHALL NOT BE PERMITTED.

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAIL

STRAIN POLE AND MAST ARM FOUNDATIONS

DATE / REVISION / BY

NOVEMBER 2020
NO SCALE

NUMBER TS-05

JACOBS™

REVISION DATES

CONSTRUCTION DETAILS
15TH STREET EXTENSION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		40-0028
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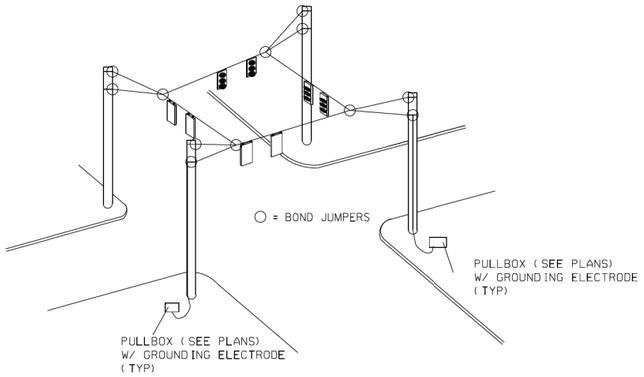
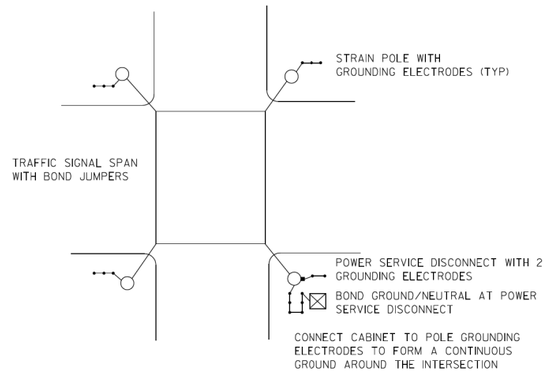
VERIFIED:		DATE:		

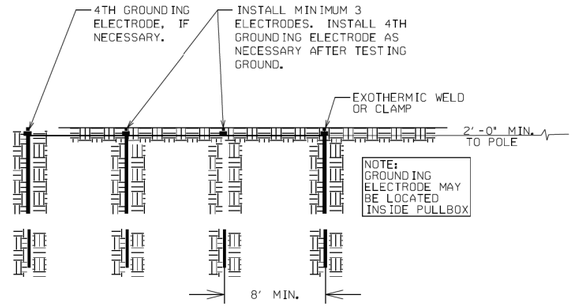
GDOT Georgia Department of Transportation P.I. No.



SPAN WIRE GROUNDING

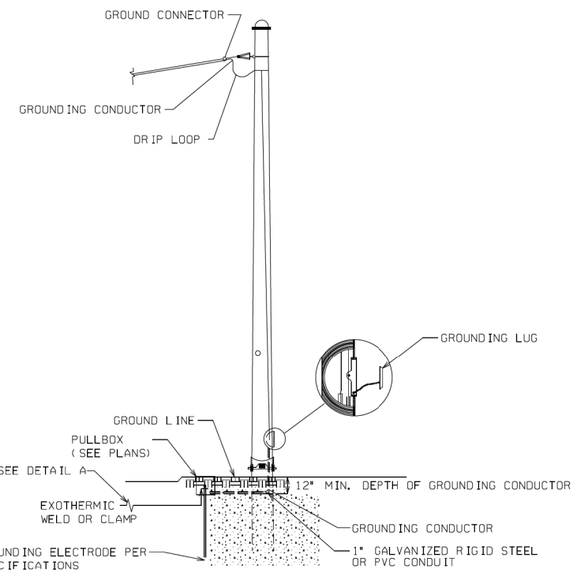


PLAN VIEW GROUNDING

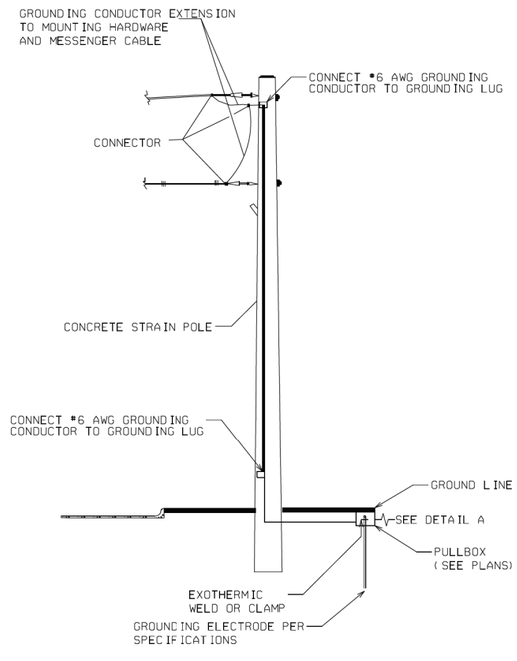


GROUNDING DETAIL A

OPTIONAL: IF DEPTH CANNOT BE OBTAINED, INSTALL HORIZONTAL PER SECTION 647



STEEL STRAIN POLE GROUNDING WITH PULLBOX OPTION



CONCRETE STRAIN POLE GROUNDING WITH PULLBOX OPTION

DATE	DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
REVISION	CONSTRUCTION DETAIL GROUNDING FOR TRAFFIC SIGNAL SUPPORT STRUCTURES	
BY	NOVEMBER 2020 NO SCALE	NUMBER TS-06

REVISION DATES

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CONSTRUCTION DETAILS
15TH STREET EXTENSION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		40-0029
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VERIFIED:		DATE:		

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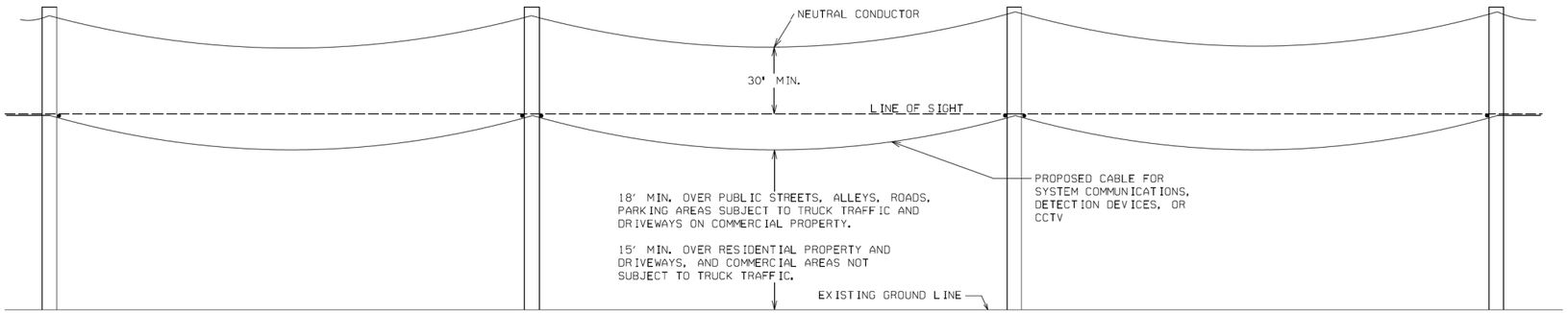

THE VERTICAL SEPARATION FROM NEUTRAL CONDUCTORS SHALL BE INCREASED SO THAT THE LOWEST POINT OF THE NEUTRAL CONDUCTOR (IN THE SPAN OR AT THE CROSSING) WILL BE AT LEAST 30 INCHES ABOVE THE CABLE ATTACHMENT LEVEL (LINE OF SIGHT) AS ILLUSTRATED ABOVE.

AERIAL CABLE SEPARATION REQUIREMENTS

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAIL

UTILITY CLEARANCE

DATE | REVISION | BY

NOVEMBER 2020
NO SCALE

NUMBER TS-07

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REVISION DATES

CONSTRUCTION DETAILS
15TH STREET EXTENSION

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VERIFIED:		DATE:		

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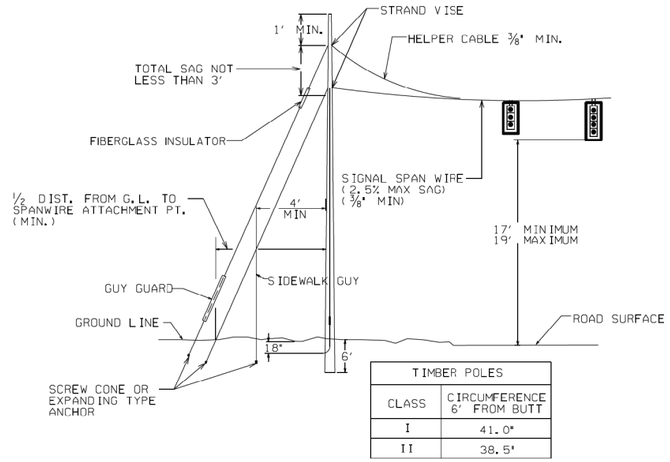
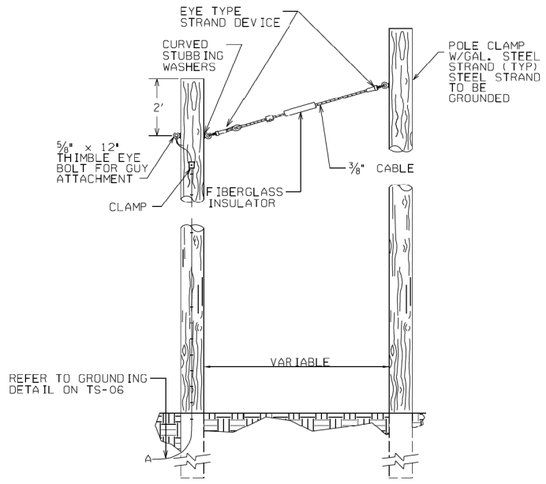
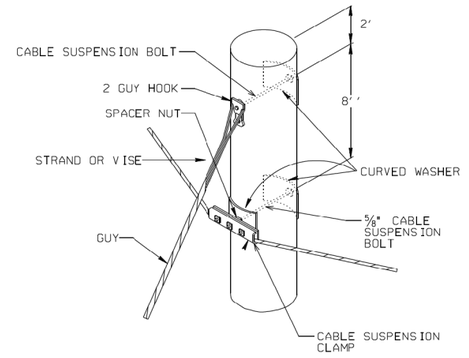


TIMBER POLES	
CLASS	CIRCUMFERENCE 6' FROM BUTT
I	41.0"
II	38.5'

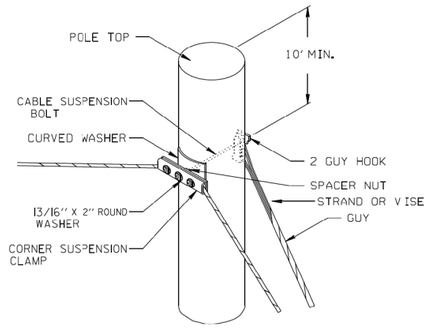
TYPICAL TIMBER SIGNAL POLE DETAIL



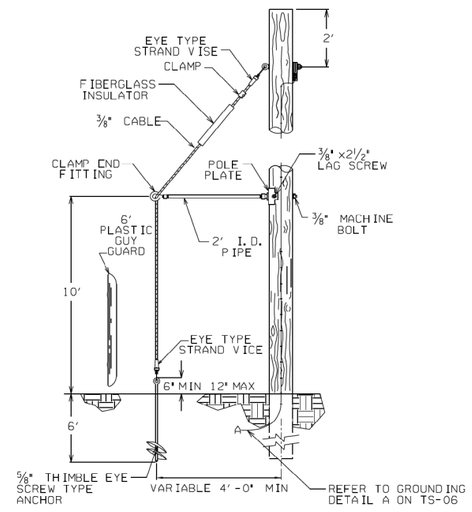
TYPICAL AERIAL GUY APPLICATION



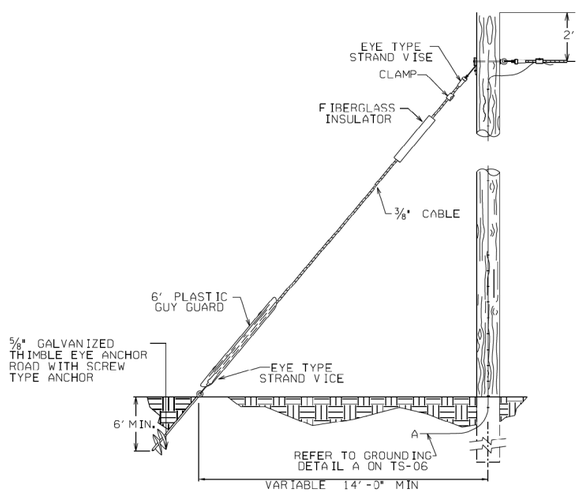
SUSPENSION STRAND - PULL TOWARD POLE - LESS THAN 5 FT.



SUSPENSION STRAND - PULL AWAY FROM POLE - 5 FT. OR MORE



TYPICAL SIDEWALK GUY APPLICATION



TYPICAL ANGLE GUY APPLICATION

	DATE	DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
	REVISION	CONSTRUCTION DETAIL GUYING	
	BY	NOVEMBER 2020 NO SCALE	NUMBER TS-08

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REVISION DATES		

CONSTRUCTION DETAILS
15TH STREET EXTENSION

CHECKED:		DATE:		DRAWING No.
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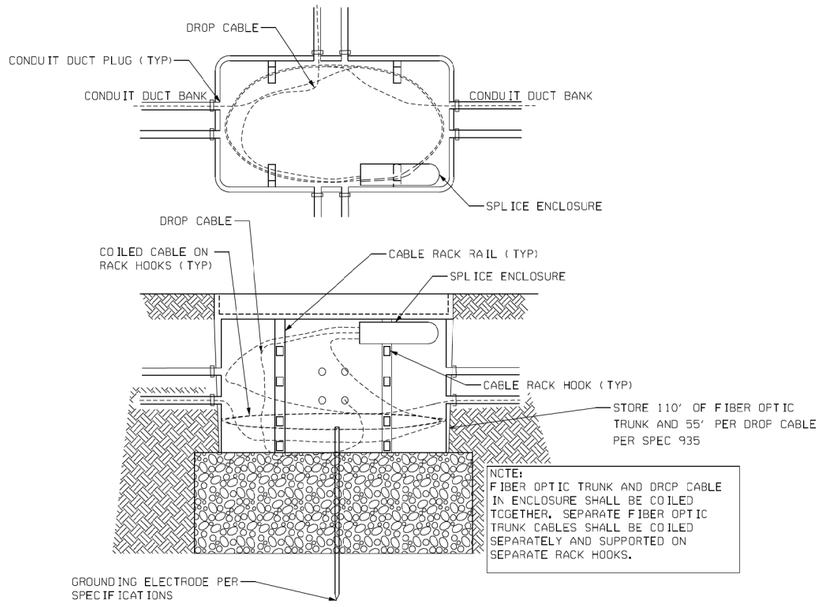
VERIFIED:		DATE:		

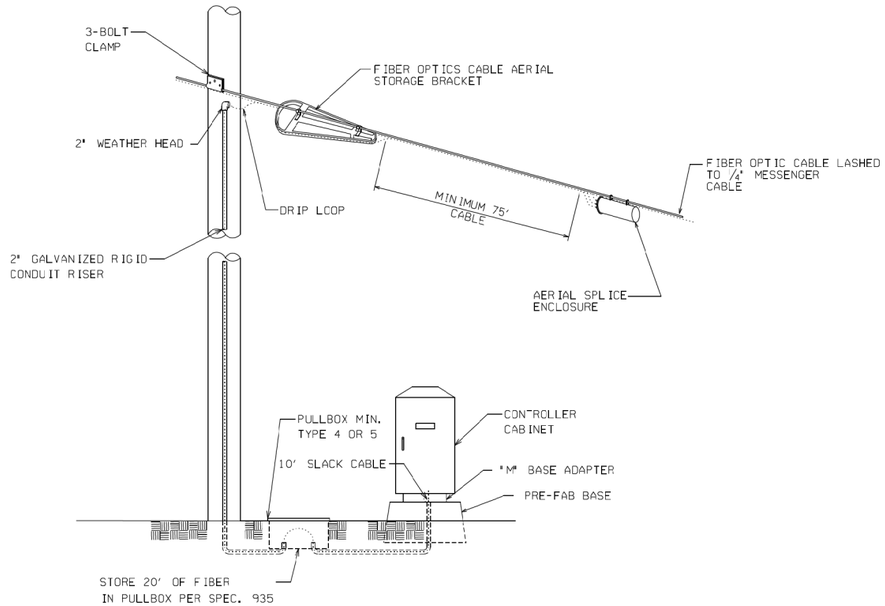
10/23/2015 GPLN

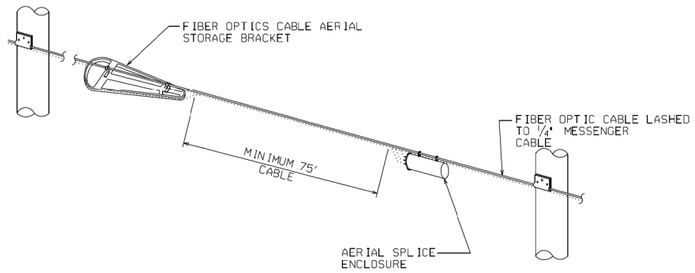
GDOT Georgia Department of Transportation | P.I. No.

FIBER OPTIC CABLE MANAGEMENT IN TYPE 4, 5, 6 & 7 PULLBOX

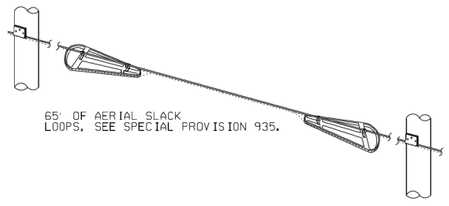


AERIAL DROP DETAIL





AERIAL BUTT SPLICE DETAIL



AERIAL SLACK LOOP DETAIL

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAIL

FIBER OPTICS INSTALLATION

DATE | REVISION | BY

NOVEMBER 2020
NO SCALE

NUMBER TS-09

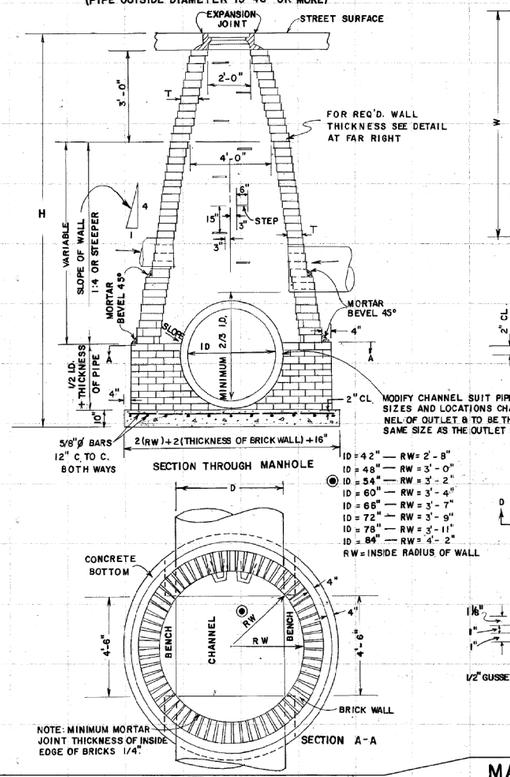
JACOBS™

REVISION DATES

CONSTRUCTION DETAILS
15TH STREET EXTENSION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		40-0032
CORRECTED:		DATE:		
VERIFIED:		DATE:		

BRICK MANHOLE SECTION
(PIPE OUTSIDE DIAMETER IS 48" OR MORE)



SECTION THROUGH MANHOLE

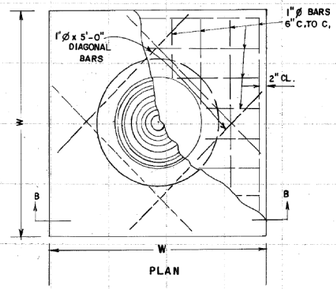
- ID = 42" — RW = 2'-8"
- ID = 48" — RW = 3'-0"
- ID = 54" — RW = 3'-2"
- ID = 60" — RW = 3'-4"
- ID = 66" — RW = 3'-7"
- ID = 72" — RW = 3'-9"
- ID = 78" — RW = 3'-11"
- ID = 84" — RW = 4'-2"

RW = INSIDE RADIUS OF WALL

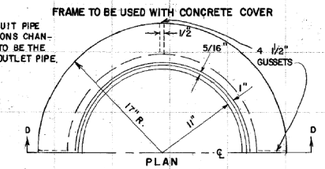
NOTE: MINIMUM MORTAR JOINT THICKNESS OF INSIDE EDGE OF BRICKS 1/4".

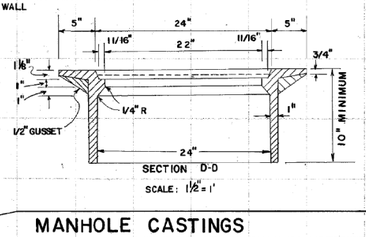
SECTION A-A

REINFORCED CONCRETE COVER



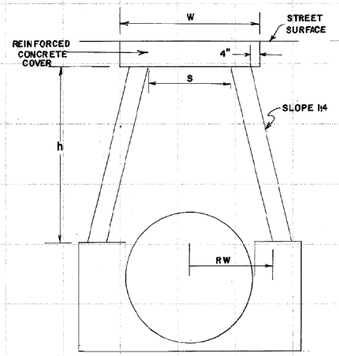
FRAME TO BE USED WITH CONCRETE COVER





SCALE: 1 1/2" = 1'

PLACEMENT FOR CONCRETE COVER



FORMULA FOR COMPUTING W
RW = INSIDE RADIUS OF WALL
S = 2RW − 1/2
W = S + 24"

NOTE: USE CONCRETE COVER WITH MANHOLE CASTINGS IF FILL FROM TOP OF PIPE TO FINISHED SURFACE IS LESS THAN:

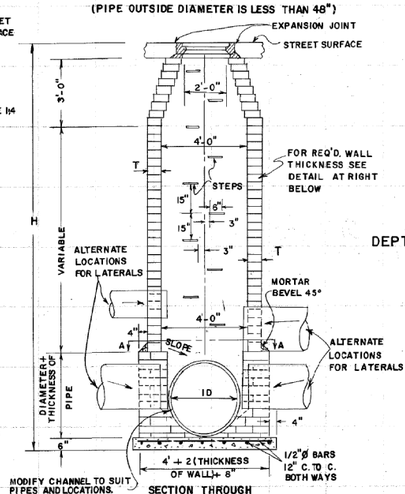
- 4'-6" FOR 42" PIPE
- 5'-0" FOR 48" PIPE
- 5'-6" FOR 54" PIPE
- 6'-0" FOR 60" PIPE
- 6'-6" FOR 66" PIPE
- 7'-0" FOR 72" PIPE
- 7'-6" FOR 78" PIPE
- 8'-0" FOR 84" PIPE

THICKNESS OF BRICK WALL
(SEE DETAIL AT FAR RIGHT)

DEPTH	THICKNESS (T)
TO 10'	*8" MIN.
10' TO 20'	12" MIN.
20' TO 30'	16" MIN.

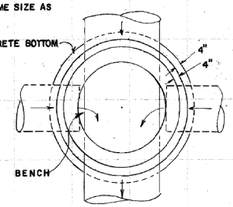
*FOR COMBINATION BRICK & PRECAST M.H. (SEE BELOW) ONLY 12" OR 16" BRICK WALL THICKNESS IS TO BE USED FOR BASE.

BRICK MANHOLE SECTION
(PIPE OUTSIDE DIAMETER IS LESS THAN 48")



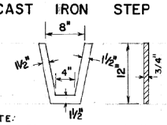
MODIFY CHANNEL TO SUIT PIPES AND LOCATIONS. CHANNEL AT OUTLET END TO BE THE SAME SIZE AS OUTLET PIPE.

SECTION THROUGH MANHOLE



SECTION A-A

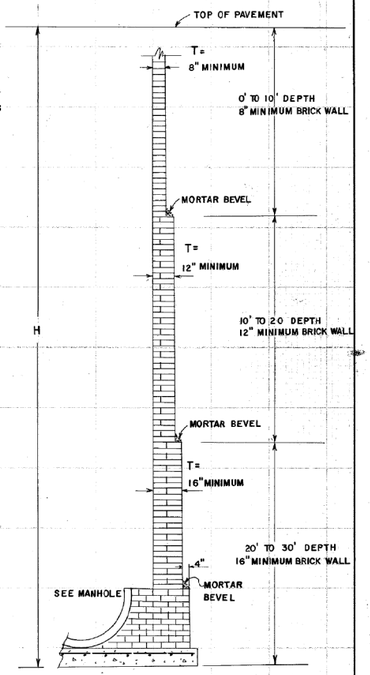
CAST IRON STEP



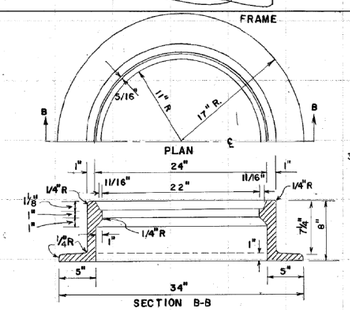
SCALE: 1 1/2" = 1'

NOTE: STEPS ARE REQUIRED IN ALL MANHOLES WHERE "H" IS GREATER THAN 4'-0". NUMBER AND LOCATION OF STEPS TO BE AS DIRECTED BY THE ENGINEER. PLASTIC OR RUBBER COATED STEPS LISTED IN THE GA. D.O.T. QUALIFIED PRODUCTS MANUAL MAY BE SUBSTITUTED.

DEPTH LIMITS FOR INCREASING WALL THICKNESS



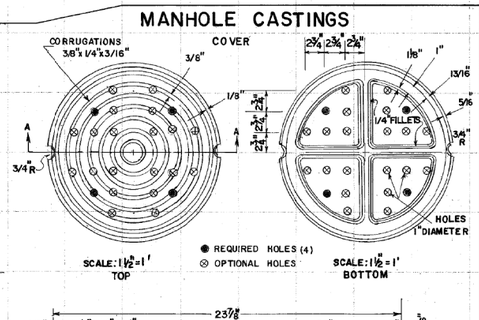
MANHOLE CASTINGS



SCALE: 1 1/2" = 1'

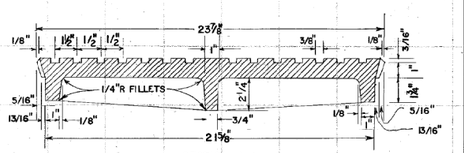
APPROXIMATE WEIGHTS

C.I. FRAME	282 LBS.
C.I. COVER	178 LBS.



SCALE: 1 1/2" = 1'

● REQUIRED HOLES (4)
⊗ OPTIONAL HOLES



SCALE 3" = 1'

NOTE: COVER AND FRAME MUST BE FITTED BEFORE LEAVING SHOP. PAINT ACTUAL WEIGHT OF EACH CASTING ON ITS FACE.

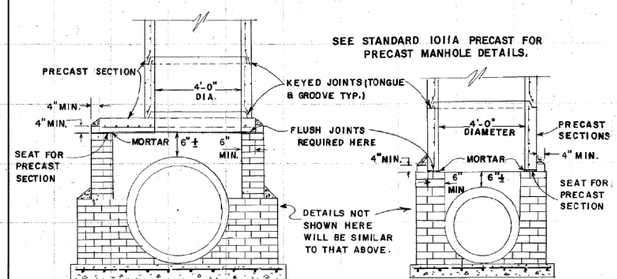
MANHOLE FRAME & COVER SHOWN ON STD. 1011 A PRECAST MAY BE USED AN ALTERNATE TO CASTINGS SHOWN HERE.

ALTERNATE - COMBINATION BRICK & PRECAST MANHOLES

NOTES FOR COMBINATION MANHOLE:

- BRICK PORTION OF MANHOLE WILL BE CONSTRUCTED WITH SEAT TO GIVE BEST POSSIBLE FIT FOR PRECAST UNIT. MINIMUM THICKNESS FOR BRICK WALL WILL BE 12" FOR H TO 20 FT. AND 16" FOR H=20FT. TO 30 FT.
- PRECAST UNIT WITHOUT TONGUE OR GROOVE AT BOTTOM SHALL BE PLACED IN BRICK SEAT WITH MORTAR IN JOINT ALL ROUND. BRICK BASE SHALL SET FOR 24 HOURS MIN. BEFORE PRECAST SECTIONS ARE INSTALLED.
- STEPS IN THE BRICK PORTION OF MANHOLE WILL BE IN ALIGNMENT WITH AND MATCH THE STEPS IN THE PRECAST SECTIONS RATHER THAN AS SHOWN FOR THE ALL BRICK MANHOLES.

SEE STANDARD 1011A PRECAST FOR PRECAST MANHOLE DETAILS.



STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD
BRICK MANHOLES

SCALE AS SHOWN REV. & RE D'R. OCTOBER, 1981

DES. S-58 DRW. R.M.U. TRA. G.M.E. CHK. R.K.C.

(SUBMITTED) Floyd E. Hardy
STATE ROAD & AIRPORT DESIGN ENGR.

(APPROVED) Thomas D. Moreland
STATE HIGHWAY ENGINEER

NUMBER 1011A

FORM EF6

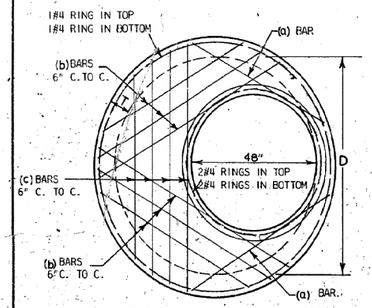
REVISION DATES		

GEORGIA STANDARDS
15TH STREET EXTENSION

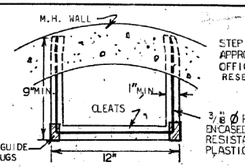
CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		41-0001
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN

STATE	PROJECT NUMBER	SHEET NO	TOTAL SHEETS
GA.			



PLAN OF STEEL REINFORCEMENT



STEP SHALL BE OF TYPE APPROVED BY GA. D.O.T. OFFICE OF MATERIALS AND RESEARCH.

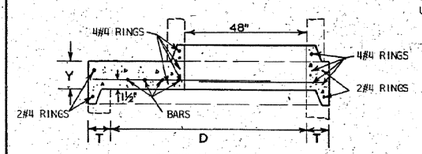
3/8 Ø REINFORCING ROD (MIN) ENCASED IN A CORROSION-RESISTANT RUBBER OR PLASTIC

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	#6

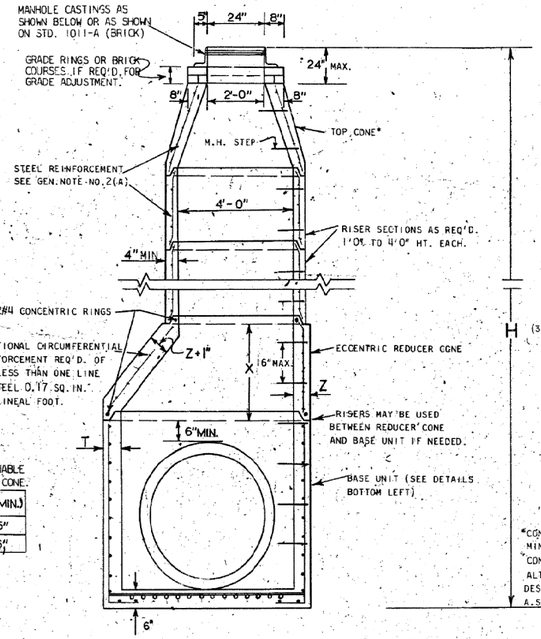
NOTE: 10 FT. MAXIMUM ALLOWANCE COVER ABOVE TOP OF REDUCER SLABS. REDUCER CONES TO BE USED WHERE REDUCER SLABS NOT PERMITTED.



SECTIONAL DETAIL
REDUCER SLAB

D = INSIDE DIAMETER OF BASE UNIT

STEPS ARE REQUIRED IN ALL MANHOLES OVER 4 FT. IN HEIGHT.

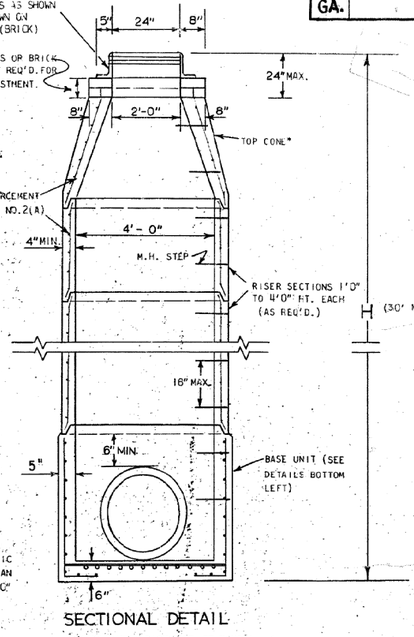


NOTE:
25 FT. MAXIMUM ALLOWABLE COVER ABOVE REDUCER CONE.

D	X (MIN.)	Z (MIN.)
60"	1'-6"	5"
72"	3'-0"	6"

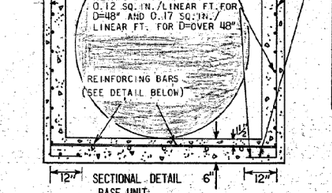
*CONCENTRIC CONE SHOWN. MIN. HT. = 2'-0" ECCENTRIC CONES MAY BE USED AS AN ALTERNATE, MIN. HT. = 3'-0" DESIGNED ACCORDING TO A.S.T.M. C-478

SECTIONAL DETAIL
(MANHOLE WITH BASE UNIT OF D=OVER 48")



SECTIONAL DETAIL
(MANHOLE WITH BASE UNIT OF D=48")

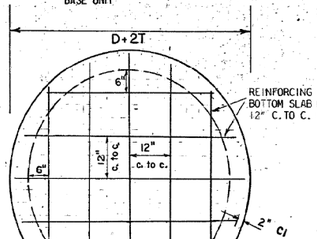
PRECAST HOLE FOR PIPE. SEE GEN. NOTES NO. 3, 4, & 5



SECTIONAL DETAIL
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.

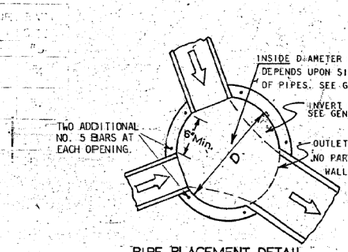
D	T (MIN)
48"	5"
60"	5"
72"	6"



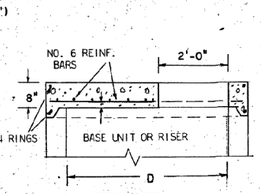
PLAN OF STEEL REINFORCEMENT IN BOTTOM SLAB

BASE UNIT

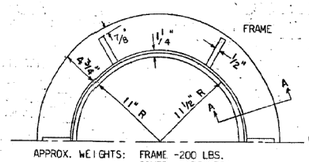
D	BAR SIZE
48"	#5
60"	#6
72"	#6



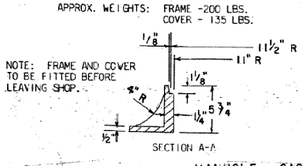
PIPE PLACEMENT DETAIL



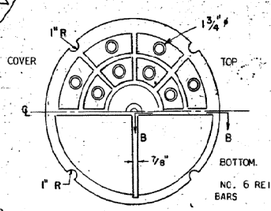
SECTIONAL DETAIL

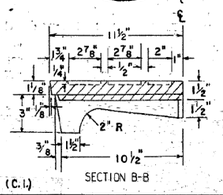


APPROX. WEIGHTS: FRAME - 200 LBS.
COVER - 135 LBS.



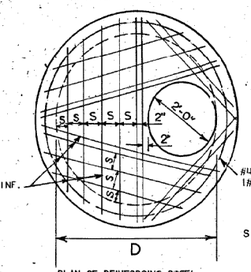
SECTION A-A





SECTION B-B

MANHOLE CASTINGS (C.I.)



PLAN OF REINFORCING STEEL

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

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.

REVISIONS	DATE	BY
CASTINGS & BASE U.	6-1-75	R M U

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD
PRECAST REINFORCED CONCRETE MANHOLE

NO SCALE — AUGUST, 1973

DESIGNED: GDL
DRAWN: RMU
CHECKED: JEC

SUBMITTED: J. S. Frasier
STATE ROAD DESIGN ENGINEER

APPROVED:
STATE HIGHWAY ENGINEER

NUMBER 1011A PRECAST

REVISION DATES		

GEORGIA STANDARDS

15TH STREET EXTENSION

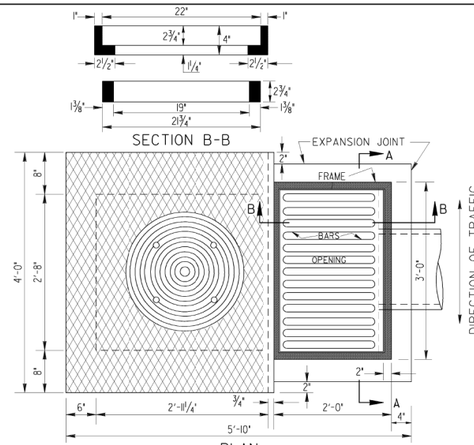
CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	41-0002
CORRECTED:		DATE:	
VERIFIED:		DATE:	

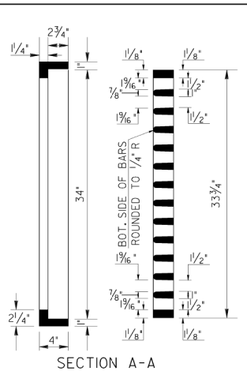
1/1/2005 11:30:22 AM \\GDOT-DSN\GOPLOT\OCF\go_ttf_output.gcf ABURNETT M:\ANGEL_DESIGN SERVICES\WORKING\1013\1013_pri GO-HD6

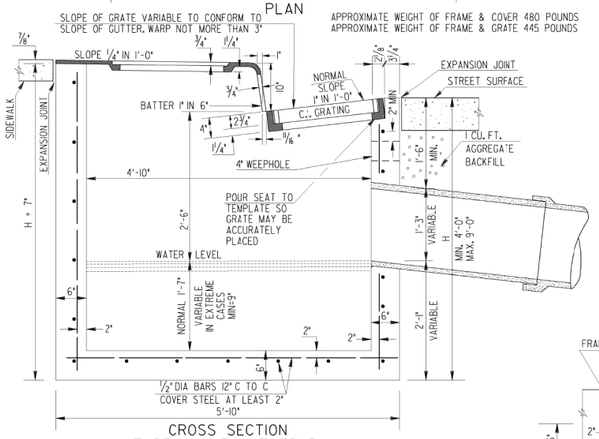
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

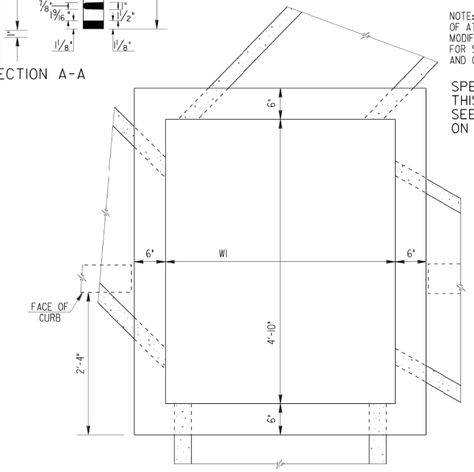
DIMENSIONS				QUANTITIES ONE CATCH BASIN					SKEW CONNECTIONS DIMENSIONS	
				CU YDS CL A CONC		LBS REINF STEEL			WI	
INSIDE D OF PIPE	90° W1	NORMAL WI	NORMAL H W2+10"	NORMAL H	FOR EACH 1' ADD H	NORMAL H	FOR EACH 1' ADD H	C.I. GRATE	30°	45°
15"	2'-8"	4'-0"	4'-10"	1.696	0.315	132	18	1		
18"	2'-8"	4'-3"	5'-1"	1.706	0.315	135	18	1		
24"	2'-8"	4'-9"	5'-7"	1.779	0.315	153	18	1	3'-1"	3'-10"
30"	3'-4"	5'-3"	6'-1"	2.351	0.339	174	19	1	3'-10"	4'-9"
36"	4'-0"	5'-9"	6'-7"	2.568	0.366	179	20	1	4'-8"	5'-8"

NOTE: OPENINGS IN GRATES SHALL BE PERPENDICULAR TO DIRECTION OF TRAFFIC FOR ALL STRUCTURES.



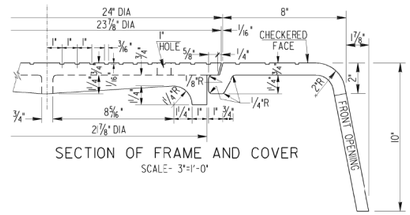


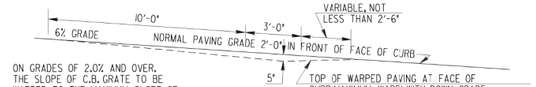




NOTE: CASTINGS ARE CITY OF ATLANTA STD. AND MODIFICATION AS SHOWN FOR SECTION OF FRAME AND COVER

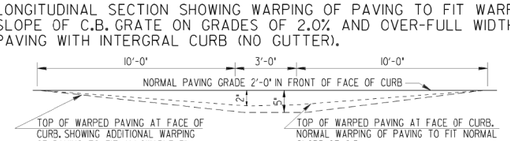
SPECIAL NOTE:
THIS STANDARD SHOULD BE USED ONLY IN SAGS OR LOW POINTS. SEE OTHER STANDARDS FOR MORE EFFICIENT DRAINAGE STRUCTURES ON GRADES.



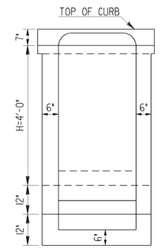


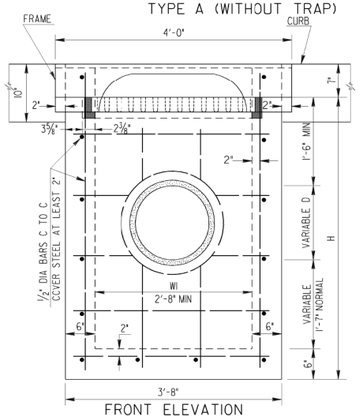
ON GRADES OF 2.0% AND OVER, THE SLOPE OF C.B. GRATE TO BE WARPED TO THE MAXIMUM SLOPE OF 5" IN 2'-0" AND THE TRANSITION OF THE WARPED PAVING AT FACE OF CURB TO BE SHORTENED TO NOT LESS THAN 2'-6" IN PLACE OF NORMAL 10'-0" TRANSITION ON DOWN GRADE SIDE OF C.B.

LONGITUDINAL SECTION SHOWING WARPING OF PAVING TO FIT WARPED SLOPE OF C.B. GRATE ON GRADES OF 2.0% AND OVER-FULL WIDTH PAVING WITH INTERGRAL CURB (NO GUTTER).

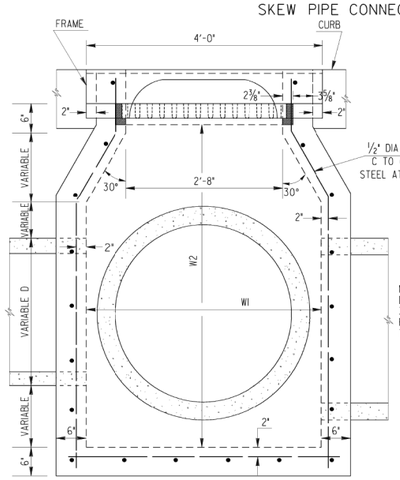


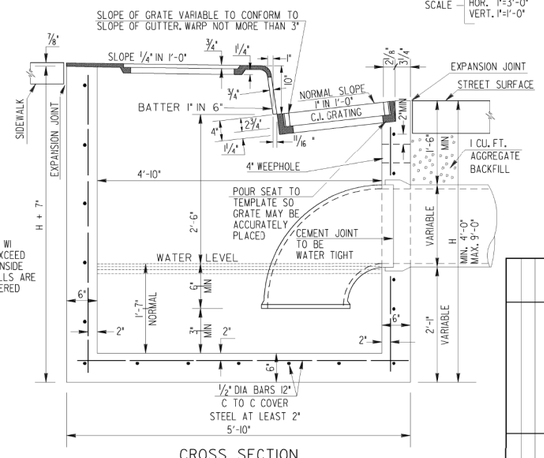
LONGITUDINAL SECTION SHOWING WARPING OF PAVING TO FIT SLOPE OF GRATING WHERE PAVING IS FULL WIDTH WITH INTERGRAL CURB (NO GUTTER).





NOTE: QUANTITIES SHOWN ARE APPROXIMATE FOR MINIMUM WI WITH ONE INLET AND ONE OUTLET CROSS DRAIN PIPE CONNECTION WI DIMENSION FOR SKEWED CONNECTIONS TO CATCH BASIN ARE VARIABLE ACCORDING TO SKEWED INLET OR OUTLETS USED.





SCALE — HOR. 1"=3'-0" VERT. 1"=1'-0"

NOTE:
WEEPHOLES MAY BE EITHER 4" DIA ROUND OR 4" SQUARE.
AGGREGATE FOR BACKFILL AT WEEPHOLES SHALL CONSIST OF A MIXTURE OF 50% SIZE 57, M-58, 357 OR 467 COARSE AGGREGATE AND 50% SIZE 10 SAND, AND SHALL BE PLACED IMMEDIATELY PRIOR TO COMPACTING BASE MATERIAL.

NOTE:
ALL TRAPS WILL BE OMITTED UNLESS SHOWN ON PLANS.

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD

CATCH BASINS WITH CASTINGS

REINFORCED CONCRETE BASIN WITH HOOD - TYPE A

NO SCALE — REV. & REDR. AUG. 1999

DESIGNED ____ (SUBMITTED) James A. Lapsley STATE ROAD & AIRPORT DESIGN ENGINEER
DRAWN M.A.B.
CHECKED G.L.O. (APPROVED) Genl L. Corbett CHIEF ENGINEER

NUMBER 1013

1/1/2005 11:30:22 AM \\GDOT-DSN\GOPLOT\OCF\go_ttf_output.gcf ABURNETT M:\ANGEL_DESIGN SERVICES\WORKING\1013\1013_pri

REVISION DATES

GEORGIA STANDARDS

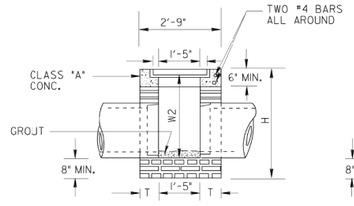
15TH STREET EXTENSION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		41-0003
CORRECTED:		DATE:		
VERIFIED:		DATE:		

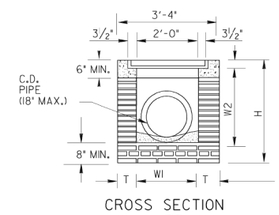
6/7/2006 11:00:07 AM \\GDOT-DSN1\GDPLOT\QCF\gs_1117f_output.qcf gowens M:\GAPY\1019A F1X\1019A.prf GD-RD6

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

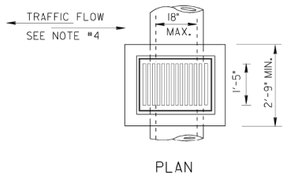
TYPE "A"



LONGITUDINAL SECTION

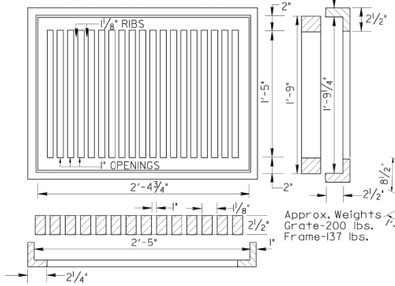


CROSS SECTION

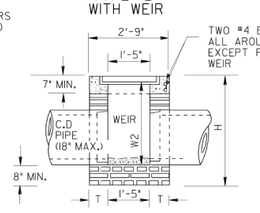


PLAN

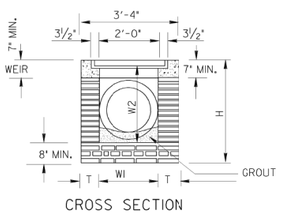
DETAILS OF C.I. GRATING & FRAME



TYPE "B" WITH WEIR



LONGITUDINAL SECTION



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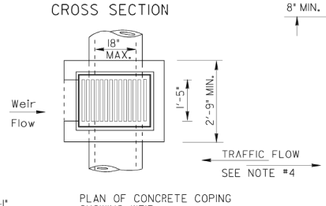
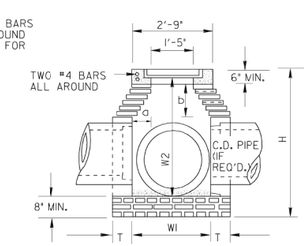


PLAN OF CONCRETE COPING SHOWING WEIR

TYPE "C"



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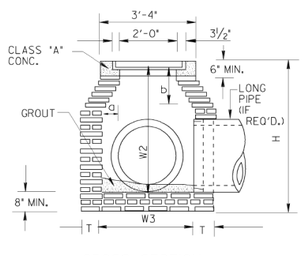

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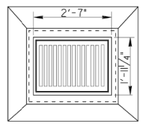
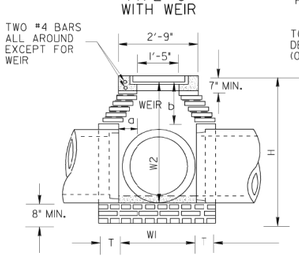


PLAN

TYPE "C" WITH WEIR



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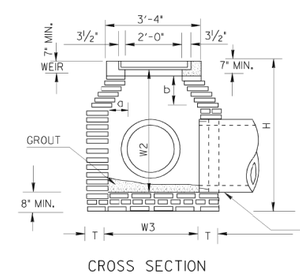

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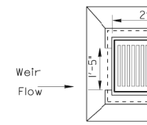
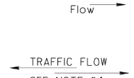
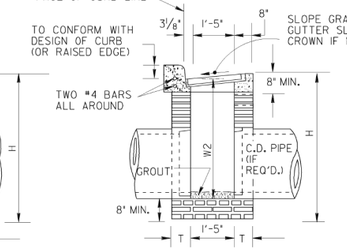


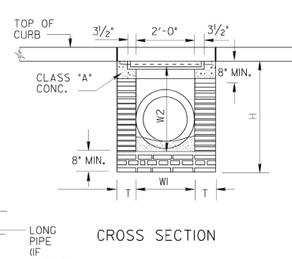
PLAN



TYPE "D"



LONGITUDINAL SECTION



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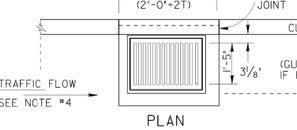
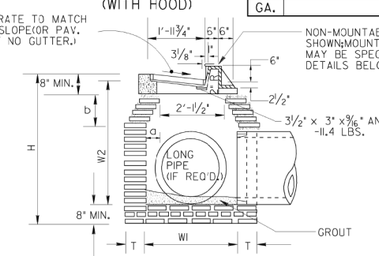


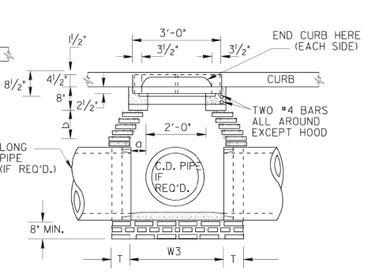
PLAN

NOTE:
FOR LARGER PIPE SIZES, TYPE "D" DROP INLET BOX WILL HAVE DETAILS AND DIMENSIONS AS SHOWN FOR TYPE "C" INLETS.

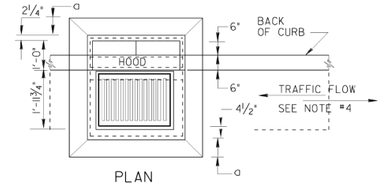
TYPE "E" (WITH HOOD)



LONGITUDINAL SECTION

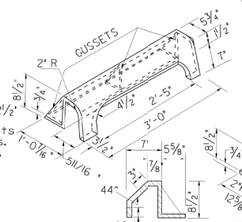


CROSS SECTION



PLAN

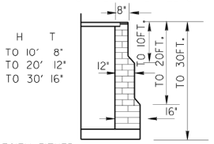
DETAIL OF • HOOD (NON-MOUNTABLE USE WITH TP2 CURB)



DETAIL OF • HOOD (MOUNTABLE) (use with Tp 7 Curb)

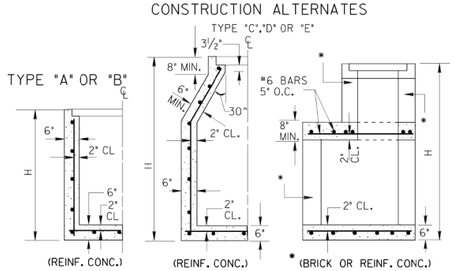
• CONTRACTOR SHALL SPECIFY EITHER MOUNTABLE OR NON-MOUNTABLE TO FOUNDRY IF HOOD IS REQUIRED.

BRICK WALL THICKNESSES (FOR ALL TYPE INLETS)



NOTE:
DETAILS NOT SHOWN FOR CONSTRUCTION ALTERNATES WILL BE SIMILAR TO THAT SHOWN FOR BRICK MASONRY.

CONSTRUCTION ALTERNATES



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.

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.

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.

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 "a" WHICH IS MAXIMUM.

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'-7⅛"	3'-9½"	3'-2⅛"	3'- 1"	3'-0⅝"	0'-7⅜"	1'-1⅛"	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'-7⅛"	4'-1"	3'-2⅛"	3'-4½"	3'-0⅝"	0'-7⅜"	1'-1⅛"	4'- 1"	2'- 0"	2'- 1"	3'- 0"	2'- 0"	3½"	6"	3'-11"
24"	~	~	~	2'-8⅛"	3'-3½"	3'-3½"	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"	1'-1"	4'- 7"
30"	~	~	~	3'-1¼"	4'-0¼"	3'-10⅛"	1'-0⅛"	1'- 9"	5'-10"	3'-5½"	4'-8⅜"	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'-11⅛"	3'-11½"	5'-8⅜"	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'-4⅞"	4'- 5"	4'- 6"	7'- 0"	4'- 3"	1'- 5"	2'-5½"	7'-1"
48"	~	~	~	5'- 0"	8'-2⅜"	5'- 7"	1'-9½"	3'-1¼"	9'-1¼"	5'-1½"	8'-6⅞"	5'- 0"	1'- 6"	2'-2⅞"	9'-5⅞"	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'-7⅞"	6'- 0"	6'- 0"	10'- 3"	6'- 0"	2'-3½"	4'- 0"	11'- 1"

DATE	REVISION	BY

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD DROP INLETS
(BUILT-IN-PLACE)

SCALE AS SHOWN — REV. & REDR. AUG., 1999

DES. ____ (SUBMITTED) James A. Kennel — STATE ROAD & AIRPORT DESIGN ENGR.
REV. ____
TRA. ____ (APPROVED) — CHIEF ENGINEER
CHK. ____

NUMBER 1019A

REVISION DATES		

GEORGIA STANDARDS
15TH STREET EXTENSION

CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	41-0004
VERIFIED:		DATE:	

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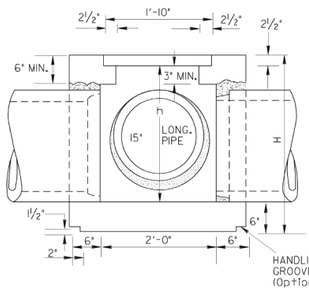
9/28/2006 9:28:29 AM \\GDOT-DSN1\GDPLOT\QCF\gs_tiff_output.qc" gowens M:\GAPT\alphalt to concrete\1019AP.prf GD-RD6

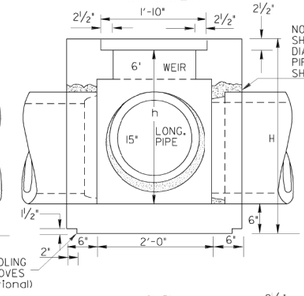
NOTE:
SEE STANDARD 1019-A- BRICK DROP INLETS- FOR DETAIL OF GRATING FRAME,HOOD,ETC., WHERE NEEDED.

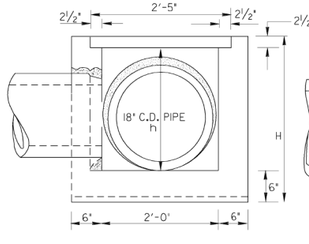
NOTE: OPENING FOR PIPE SHALL BE THE OUTSIDE DIAMETER OF THE REQ'D PIPE PLUS 1" MIN.,OPENING SHALL HAVE CORRUGATIONS

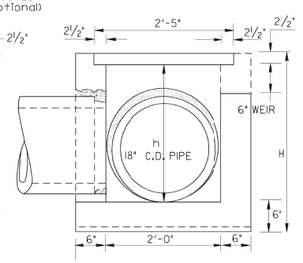
TYPE "A"

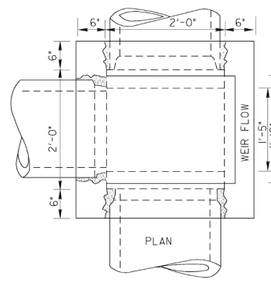


TYPE "B" WITH WEIR

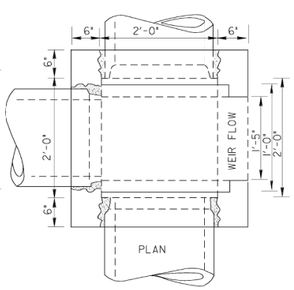






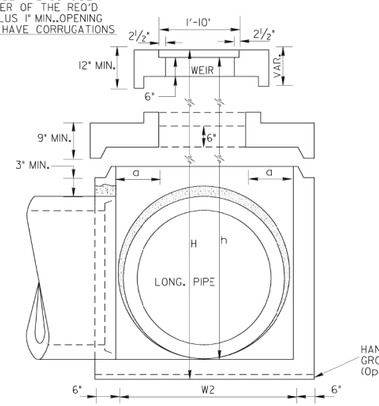


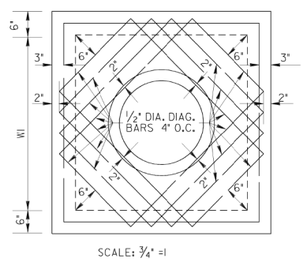
SCALE: 1" =1'



SCALE: 1" =1'

TYPE "C" (WITH OR WITHOUT WEIR)

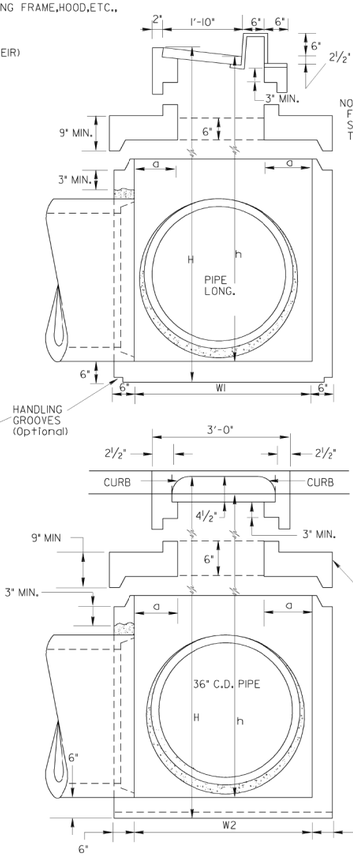




SCALE: ¾" =1

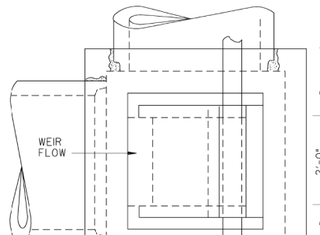
FOR OTHER DETAILS, SEE TYPE "B"

TYPE "E"



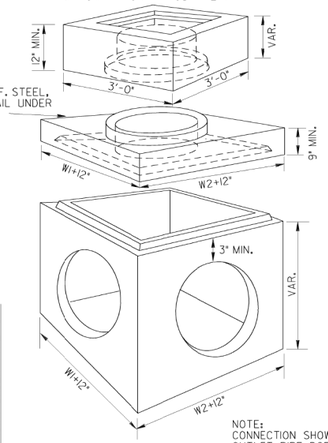
HANDLING GROOVES (Optional)

IF THIS SWIVEL SECTION SLAB IS USED TO REDUCE THE WIDTH OF THE OPENING, USE REINF. STEEL SHOWN UNDER TYPE "C"

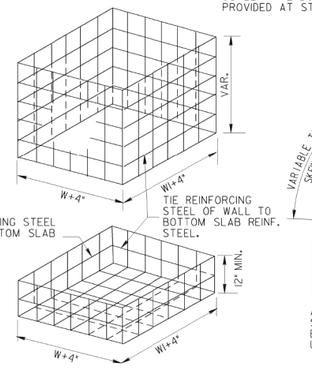


SCALE: ¾"=1'

ISOMETRIC VIEW OF DROP INLET TYPE "C" OR "E" FOR PIPES LARGER THAN 18"(WITH OR WITHOUT WEIR)



NOTE:
FOR REINF. STEEL, SEE DETAIL UNDER TYPE "C"



METHOD OF CONNECTING PIPE

STEP 1

CUT CONCRETE PIPE LEAVING APPROXIMATELY 3" OF REINFORCING MESH EXPOSED.

STEP 2

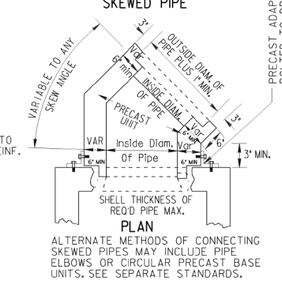
POSITION PIPE APPROXIMATELY 3" INTO OPENING OF WALL.

STEP 3

POSITION CONICAL CORE INSIDE OF PIPE AND SEAL WITH GROUT 1/2" MIN. THICKNESS OF GROUT. REMOVE CORE WHEN SET AND RUB GROUT TO SEAL JOINTS.

NOTE:
CONNECTION SHOWN ABOVE FOR USE WHERE CONCRETE OUTLET PIPE DOES NOT HAVE BELL OR HUB END PROVIDED AT STRUCTURE OUTLET.

ALTERNATE METHOD OF CONNECTION SKEWED PIPE



PRECAST ADAPTOR MAY BE BOLTED TO DROP INLET WITH 2-4" x 3" ANGLE IRON.

PLAN

ALTERNATE METHODS OF CONNECTING SKEWED PIPES MAY INCLUDE PIPE ELBOWS OR CIRCULAR PRECAST BASE UNITS. SEE SEPARATE STANDARDS.

NOTE: REINFORCING STEEL SHALL BE No. 4 STEEL BARS AT 12" O.C. BOTH WAYS OR EQUIVALENT WIRE FABRIC REINFORCING.

SPECIAL NOTE:
STANDARD 1019A INLETS ARE FOR USE AT LOW POINTS AND WHERE HYDRAULIC LOW CAPACITY GRATES ARE SUFFICIENT. WHERE HIGHER CAPACITY GRATES ARE NEEDED ON A CONTINUOUS GRADE, STANDARD 1019B IS RECOMMENDED.

DIMENTIONS FOR DROP INLETS

PIPE SIZE	TYPE "A"		TYPE "B"		TYPE "C"				TYPE "E"				
	MIN. h	MIN. H	MIN. h	MIN. H	W or W2	a	MIN. h	MIN. H	W or W2	a	MIN. h	MIN. H	
15"	2'- 0"	2'-8½"	2'- 7"	3'-3½"	2'- 0"		2'-7"	3'-3½"	2'- 6"		2'-7"	3 - 3½"	
18"	2'-3½"	3'- 0"	2'-10"	3'-6½"	2' - 0"		2'-10"	3'-6½"	2'- 6"		2'-10"	3 - 6½"	
24"					3' - 0"	0'- 6"	4'- 3½"	5'- 0"	3'- 0"	0'- 6"	4'- 7"	5 - 3 "	
30"					3' - 6"	0'- 9"	4'-10½"	5'- 7"	3'- 6"	0'- 9"	5'- 2"	5 - 10'	
36"					4' - 0"	1'- 0"	5'- 5½"	6'- 2"	4'- 0"	1'- 0"	5'- 9"	6 - 3 "	
42"					4' - 6"	1'- 3"	6'-1½	6'- 8"	4'- 6"	1'- 3"	6'- 4"	7 - 0 "	
48"					5' - 0"	1'- 6"	6'- 7½"	7'- 3"	5'- 0"	1'- 6"	6'- 11"	7 - 7 "	
54"					5' - 6"	1'- 9"	7'- 2½"	7'-10"	5'- 6"	1'- 9"	7'- 6"	8 - 2 "	
60"					6' - 0"	2'- 0"	7'- 9½"	8'- 5"	6'- 0"	2'- 0"	8'- 1"	8 - 9 "	

NOTE:
SEE STANDARD 1019A (BRICK) AND STANDARD 1040 FOR CONSTRUCTION ALTERNATES BRICK MASONRY AND CIRCULAR PRECAST SECTIONS RESPECTIVELY.

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD PRECAST DROP INLETS

SCALE AS SHOWN AUG. 1999

DESIGNED ____ (SUBMITTED) STATE ROAD & AIRPORT DESIGN ENGINEER
DRAWN ____
TRACED ____ (APPROVED) CHIEF ENGINEER
CHECKED ____

NUMBER 1019A PRECAST

REVISION DATES

GEORGIA STANDARDS

15TH STREET EXTENSION

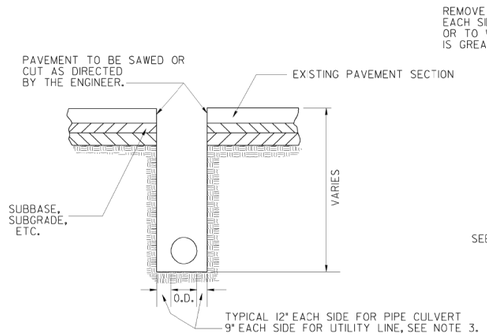
CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		41-0005
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN

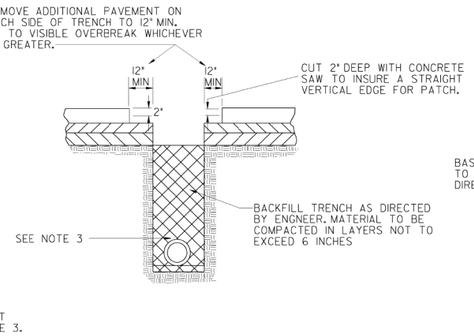
9/28/2006 9:28:29 AM \\GDOT-DSN1\GDPLOT\QCF\gs_tiff_output.qc" gowens M:\GAPT\alphalt to concrete\1019AP.prf

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

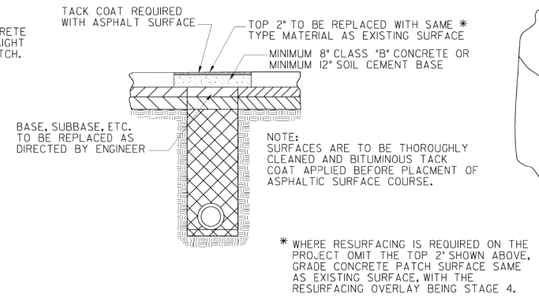
STORM DRAIN AND UTILITY INSTALLATION BY OPEN CUT - GENERAL



STAGE 1

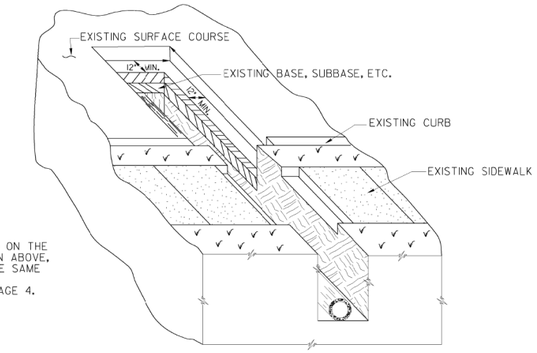


STAGE 2

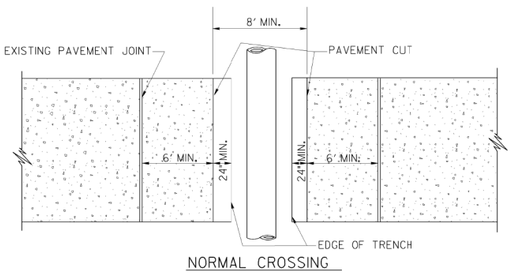


STAGE 3

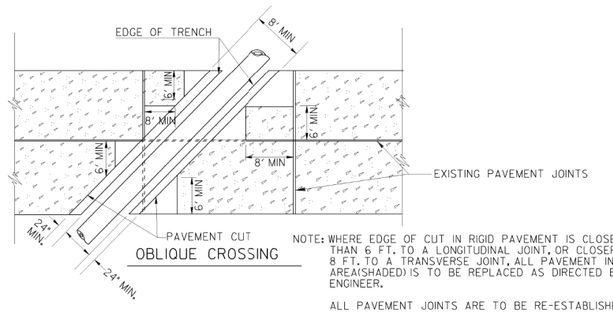
* WHERE RESURFACING IS REQUIRED ON THE PROJECT OMIT THE TOP 2" SHOWN ABOVE, GRADE CONCRETE PATCH SURFACE SAME AS EXISTING SURFACE, WITH THE RESURFACING OVERLAY BEING STAGE 4.



STORM DRAIN AND UTILITY INSTALLATION BY OPEN CUT ACROSS P.C. CONCRETE PAVING



NORMAL CROSSING

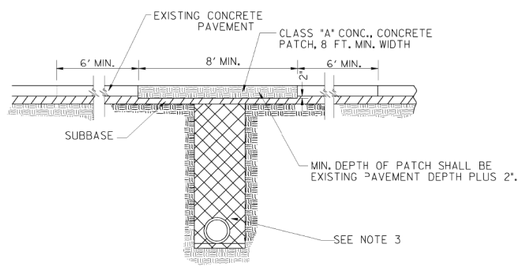


OBLIQUE CROSSING

NOTE: WHERE EDGE OF CUT IN RIGID PAVEMENT IS CLOSER THAN 6 FT. TO A LONGITUDINAL JOINT, OR CLOSER THAN 8 FT. TO A TRANSVERSE JOINT, ALL PAVEMENT IN THAT AREA(SHADED) IS TO BE REPLACED AS DIRECTED BY THE ENGINEER.

ALL PAVEMENT JOINTS ARE TO BE RE-ESTABLISHED.

DOWELS AND TIE-BARS ARE TO BE REPLACED.



NOTE:
WHEN THE CONCRETE IS POURED, IT SHALL BE STRUCK OFF AT AN ELEVATION SLIGHTLY HIGHER THAN THE INTENDED SURFACE AND TAMPED TO OFFSET SHRINKAGE. MECHANICAL VIBRATING EQUIPMENT SHALL BE USED TO CONSOLIDATE THE PLACED CONCRETE, ESPECIALLY AT THE EDGES AND AROUND THE STEEL AT JOINTS. THE CONCRETE SHALL THEN BE TAMPED A SECOND TIME, THEN SCREEDED AND CHECKED WITH A STRAIGHT EDGE TO GIVE THE SAME SURFACE GRADE AS THE EXISTING PAVMENT.

GENERAL NOTES:

1. SPECIFICATIONS: GEORGIA STANDARD, CURRENT EDITION & SUPPLEMENTS THERETO.
2. (a) OTHER PAVEMENT REPLACEMENT MATERIALS, SUCH AS HIGH EARLY STRENGTH CONCRETE, MAY BE SUBSTITUTED FOR MATERIALS SHOWN WHEN CALLED FOR IN THE PLANS OR BY THE ENGINEER.
   (b) PAYMENT FOR PIPE CULVERT OR UTILITY SHALL INCLUDE SAWING AND/OR CUTTING AND REMOVING EXISTING PAVEMENT AND REPLACING THE PAVEMENT AS SPECIFIED. PAYMENT FOR PIPE OR UTILITY INCLUDES THIS PAVEMENT REPLACEMENT MATERIAL. REGARDLESS OF WHERE MATERIALS SHOWN ARE USED OR WHERE OTHER MATERIALS SUCH AS HIGH EARLY STRENGTH CONCRETE ARE USED.
   (c) PAYMENT FOR PIPE CULVERT OR UTILITY INSTALLATION SHALL INCLUDE REPLACING IN KIND ANY PORTIONS OF SIDEWALK, CURB, CURB & GUTTER, MEDIAN PAVING, DRIVEWAYS, ETC., WHICH ARE DISTURBED DUE TO THE INSTALLATION.
3. TRENCH DETAIL SHOWN IS GENERAL, SEE STANDARD 1030D FOR DETAILS REQUIRED FOR PIPE CULVERT INSTALLATIONS. SEE THE UTILITIES MANUAL FOR UTILITY INSTALLATION REQUIREMENTS.
4. AFTER REMOVING EXISTING PAVEMENT, THE SUBBASE AND VERTICAL FACE OF EXISTING PAVING SHALL BE DAMPED (BUT NOT WET), ADDITIONALLY, THE VERTICAL FACE OF THE EXISTING PAVEMENT SHALL BE PAINTED WITH A SOLUTION OF PORTLAND CEMENT AND WATER MIXED TO THE CONSISTENCY OF HEAVY PAINT. THE CONCRETE MIX SHALL THEN BE POURED BEFORE THIS SURFACE DRIES OUT. AFTER CONCRETE IS POURED, IT SHALL BE WORKED INTO ALL CORNERS AND INTO ALL ROUGH SURFACES OF THE EXISTING PAVEMENT.
5. WHERE PIPE IS REMOVED, BUT NOT REPLACED, PAYMENT FOR PIPE REMOVAL INCLUDES ALL ITEMS DESCRIBED IN GENERAL NOTE 2., WITH ALL OTHER NOTES AND DETAILS ALSO BEING APPLICABLE.

NOTE:
THIS STANDARD IS FOR USE WHERE PERMANENT PAVEMENT PATCHING IS REQUIRED. TEMPORARY PATCHING, IF REQUIRED, SHALL BE ACCORDING TO OTHER DETAILS, SPECIFICATIONS, AND/OR AS DIRECTED BY THE ENGINEER.

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD

PAVEMENT PATCHING DETAILS
(STORM DRAIN OR UTILITY INSTALLATIONS BY OPEN CUT ACROSS EXISTING PAVEMENT)

NO SCALE REV. & REDR., AUG. 1999

DATE | REVISION | BY

REV. ____ TRA. ____ CHK. ____

(SUBMITTED) James A. Kuhnel STATE ROAD & AIRPORT DESIGN ENGR.

(APPROVED) Carol L Comer CHIEF ENGINEER

NUMBER 1401

REVISION DATES		

GEORGIA STANDARDS

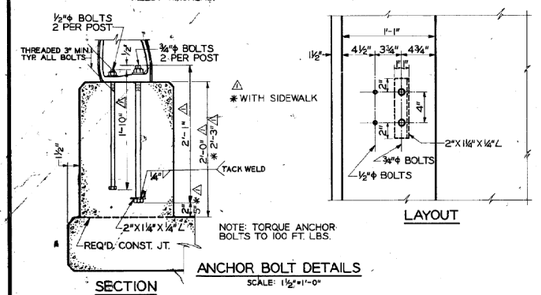
15TH STREET EXTENSION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		41-0006
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN

FED. ROAD DIV. No.	STATE	FED. AID PROJ. No.	STATE AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
3	GA.					

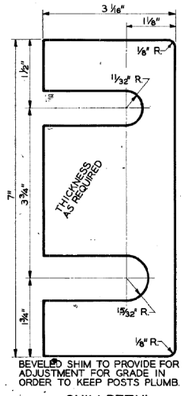
NOTE: ANCHOR BOLTS SHALL BE HOT DIP GALVANIZED BOLTS WITH STD. A.S.R. GALVANIZED HEX NUTS AND ALUMINUM ALLOY WASHERS.



SECTION

LAYOUT

ANCHOR BOLT DETAILS
SCALE: 1½"=1'-0"

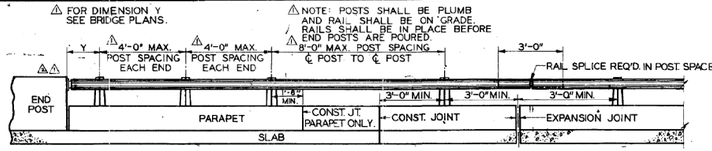


BEVELED SHIM TO PROVIDE FOR ADJUSTMENT FOR GRADE IN ORDER TO KEEP POSTS PLUMB.

SHIM DETAIL

⚠ FOR DIMENSION Y SEE BRIDGE PLANS.

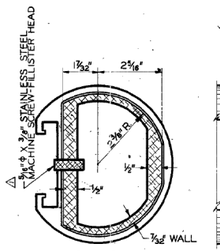
⚠ NOTE: POSTS SHALL BE PLUMB AND RAIL SHALL BE ON GRADE. RAILS SHALL BE IN PLACE BEFORE ⚠ END POSTS ARE POURED.



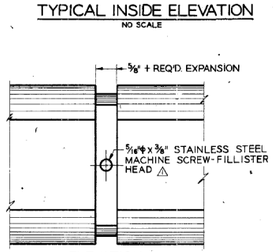
TYPICAL INSIDE ELEVATION
NO SCALE

MATERIAL SPECIFICATIONS

ITEM	MATERIAL
⚠⚠ POSTS	ALUM. ALLOY A444-T4
⚠⚠ RAILING, CLAMP BAR, SPLICE SLEEVE AND END ATTACHMENT	A.S.T.M. B-221 ALLOY 6061, CONDITION T6
SHIM AND WASHER	A.S.T.M. B-209 (SHIM, 1100-0 WASHER, ALCAD 2024-T3)
ANCHOR BOLT & NUT	A.S.T.M. A-307 GALV. STEEL GALV. A-153
ANCHOR BOLT ANGLE	COMMERCIAL QUALITY
CONNECTOR BOLT	STAINLESS STEEL - A.S.T.M. A 276 TYPE 316 CONDITION A
⚠ MACHINE SCREW	STAINLESS STEEL - A.S.T.M. A276 TYPE 316 CONDITION A

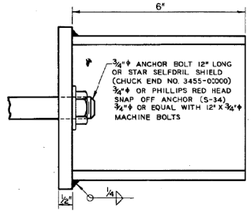


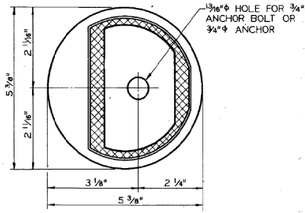
SECTION



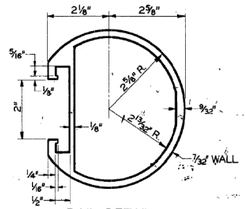
ELEVATION

RAIL SPLICE DETAILS
SCALE: 6" = 1'-0"



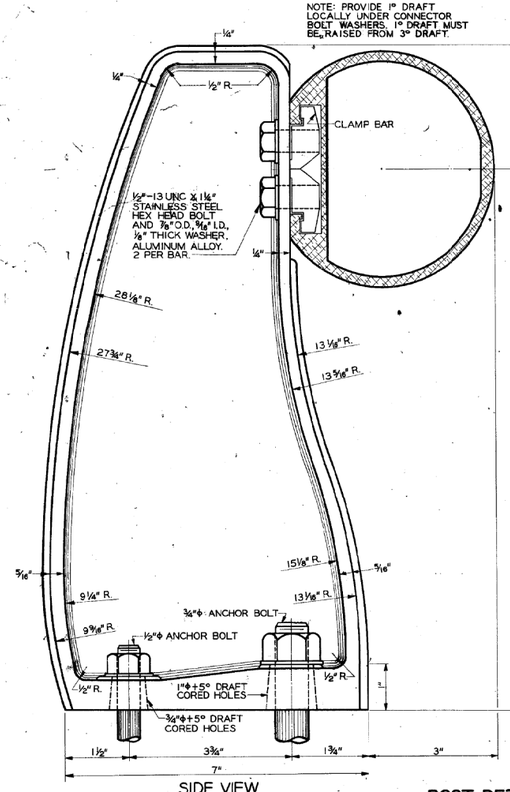


⚠ END RAIL DETAIL
SCALE: 6" = 1'-0"

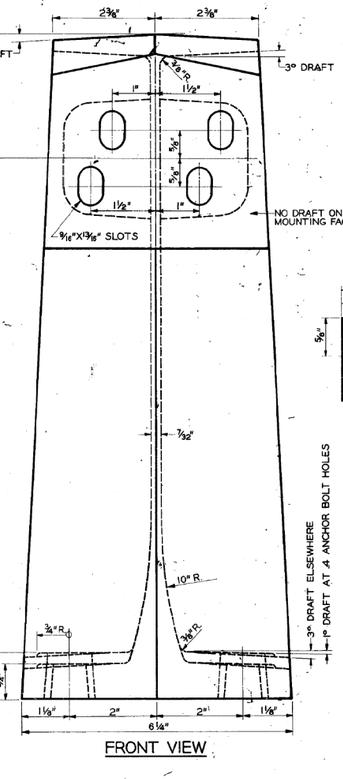


RAIL DETAIL
SCALE: 6" = 1'-0"

NOTE: PROVIDE 1° DRAFT LOCALLY UNDER CONNECTOR BOLT WASHERS. 1° DRAFT MUST BE RAISED FROM 3° DRAFT.

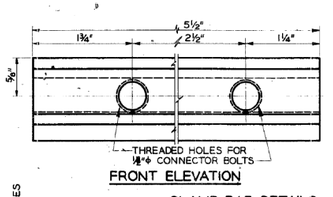


SIDE VIEW

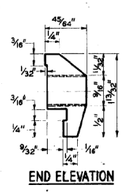


FRONT VIEW

POST DETAILS

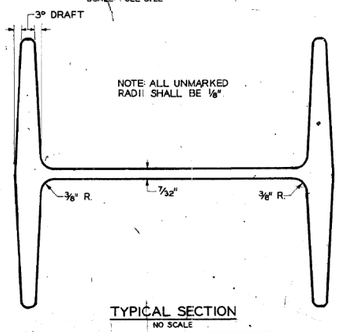


FRONT ELEVATION



END ELEVATION

CLAMP BAR DETAILS
SCALE: FULL SIZE



TYPICAL SECTION
NO SCALE

GENERAL NOTES

SPECIFICATIONS - GEORGIA STANDARD.
RAILING SHALL CONFORM TO HORIZONTAL AND VERTICAL ALIGNMENT FOR RAILING ON A HORIZONTAL CURVE THE RAIL SHALL CONFORM TO THE CURVE.
POSTS SHALL BE VERTICAL.
COST OF ANCHOR BOLTS, CONNECTOR BOLTS, NUTS, WASHERS, CLAMP BARS, SPLICE SLEEVES AND SHIMS SHALL BE INCLUDED IN PRICE BID FOR ALUMINUM RAILING.

RAILS SHALL BE CONTINUOUS OVER A MINIMUM OF 3 POSTS.
OUTER SURFACE OF POST FLANGES, EXCEPT BASE AND RAIL MOUNTING FACES, SHALL HAVE A NO 38 GRIT FINISH.
1° DRAFT LOCALLY UNDER CONNECTOR BOLT HEAD MAY BE DEPRESSED PROVIDED BOLT LENGTH AND WASHER THICKNESS ARE REVISED TO FURNISH FULL ENGAGEMENT OF CLAMP BAR THREADS.

H.W.C.	BY	DATE
MATL. SPEC. & END ATTACH.	J.T.K.	10-22-85
ELEVATIONS	J.T.K.	7-21-86
MATL. SPEC. & CLAMP BAR	J.T.K.	11-19-86
WASHER THICKNESS - FTN.	J.T.K.	4-22-97
MATL. SPEC. & HINGE ELEV.	J.T.K.	6-23-97
POST SHIM, WASHER & SLEEVE	J.T.K.	10-23-15

⚠ DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD ONE PIPE ALUMINUM HANDRAILING FOR BRIDGES

SCALE: 9" = 1'-0" UNLESS NOTED — OCTOBER 1984

DESIGNED	J.T.K.
DRAWN	R.M.
TRACED	B.J.W.
CHECKED	J.T.K.

SUBMITTED: BRIDGE ENGINEER
APPROVED: STATE HIGHWAY ENGINEER

NUMBER 3626

REVISION DATES

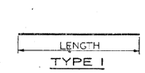
GEORGIA STANDARDS

15TH STREET EXTENSION

CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	41-0007
CORRECTED:		DATE:	
VERIFIED:		DATE:	

FED ROAD DIV. NO.	STATE	FED AID PROJ. NO.	STATE AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	GA.	-				

TYPE 1 (LENGTH)



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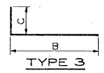

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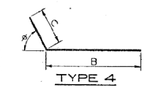

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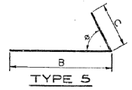

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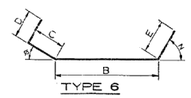

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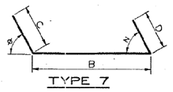

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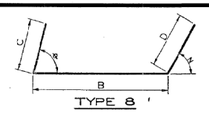

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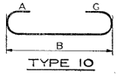

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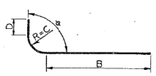

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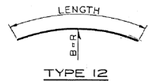

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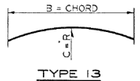

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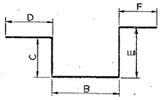

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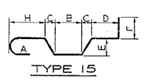

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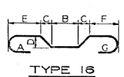

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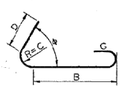

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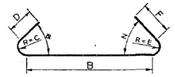
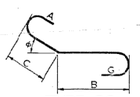


TYPE 18

TYPE 19



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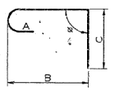

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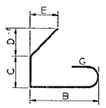

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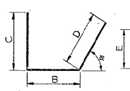

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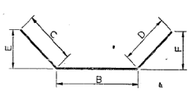

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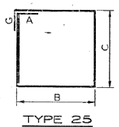

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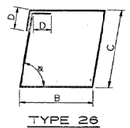

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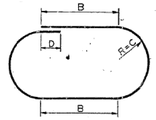

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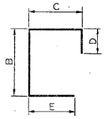

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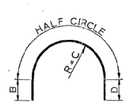

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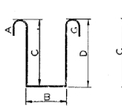

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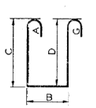

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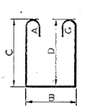

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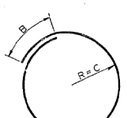

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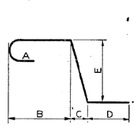

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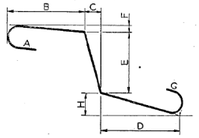

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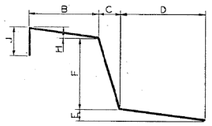

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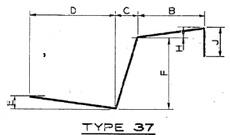

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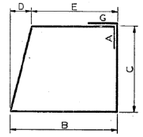

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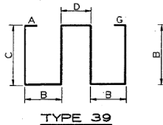

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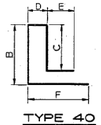

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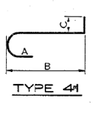


TYPE 41

TYPE 42.

N = NUMBER OF BEAMS OR WALLS
NUMBER OF D's = N-1
NUMBER OF B's = 2(N-1)
NUMBER OF C's = N-2

TYPE 43

N = NUMBER OF BEAMS OR WALLS
NUMBER OF D's = N-1
NUMBER OF B's = 2N-1
NUMBER OF C's = N-1

TYPE 44

C = PITCH

B = OVERALL HEIGHT

Φ = 40 - SPIRAL IS MADE OF GRADE 40 BILLET STEEL DEFORMED BARS - A.S.T.M. DESIGNATION A-615.

Φ = 60 - SPIRAL IS MADE OF COLD DRAWN STEEL WIRE - A.S.T.M. DESIGNATION A-82.

SPLICES MAY BE ACCOMPLISHED BY LAPPING AND WELDING 11 TURNS. PROVIDE 'N' + TOTAL NUMBER OF CLOSED TURNS AT TOP AND BOTTOM OF COLUMNS. COST OF CHANNEL SPACERS AND SPLICES SHALL BE INCLUDED IN PRICE BID FOR REINFORCEMENT STEEL.

TYPE 46

TYPE 47

TYPE 48

TYPE 49

TYPE 50

TYPE 51

TYPE 52

TYPE 53

TYPE 54

TYPE 55

TYPE 56

TYPE 57

TYPE 58

TYPE 59

NOTES

ALL DIMENSIONS ARE OUT TO OUT UNLESS NOTED.

ALL RADII ARE OUTSIDE.

SEE HOOK DETAILS FOR HOOK DESCRIPTIONS AND NOTES.

A DIMENSION SHOWN AS ZERO ON BAR SCHEDULE DELETES THAT PART OF BAR TYPE.

HOOK DETAILS

RECOMMENDED 180° HOOKS

GRADE 40 ksi
D = 5d for #3 through #11
D = 10d for #14 and #18

GRADES 50-60-75 ksi
D = 6d for #3 through #8
D = 8d for #9, #10, and #11
D = 10d for #14 and #18

RECOMMENDED 180° END HOOK DIMENSIONS

BAR SIZE	GRADES 50-50-75 ksi		GRADE 40 ksi	
	A or G	J	A or G	J
#3	5	3	5	2¾
#4	6	4	6	3½
#5	7	5	7	4½
#6	8	6	8	5¼
#7	10	7	9	6¾
#8	11	8	10	7
#9	1-3	11¼	1-0	8
#10	1-5	1-0¾	1-1	9
#11	1-7	1-2¼	1-2	10
#14	2-2	1-8½	2-2	1-3½
#18	2-11	2-3	2-11	2-3
STYLE	1		2	

RECOMMENDED 90° END HOOK DIMENSIONS

ALL GRADES
D = 5d for #3 through #8
D = 8d for #9, #10, and #11
D = 10d for #14 and #18

BAR SIZE	HOOK A or G
#3	6
#4	8
#5	10
#6	1-0
#7	1-2
#8	1-4
#9	1-7
#10	1-10
#11	2-0
#14	2-7
#18	3-6
HOOK STYLE 3	

STIRRUP AND TIE HOOK

STIRRUPS
(TIES SIMILAR)

STIRRUP AND TIE HOOK DIMENSIONS
GRADES 40-50-60 ksi

BAR SIZE	D (in.)	90° HOOK		135° HOOK	
		HOOK A or G		HOOK A or G	H Approx.
#3	1½	4		4	2½
#4	2	4½		5	3
#5	2½	6		5½	3¾
#6	3	6½		6½	4½
STYLE		4		5	

STYLE 6 = NO HOOK

HOOK STYLES DETAILED ON THIS SHEET ARE FOR ILLUSTRATION ONLY. ACTUAL HOOK STYLE FOR ANY PARTICULAR BAR WILL BE SHOWN UNDER A or G HEADING ON BAR SCHEDULE.

STATE HIGHWAY DEPARTMENT OF GEORGIA
BRIDGE DIVISION

STANDARD
BAR BENDING DETAILS

NO SCALE — AUGUST 1969

DESIGNED
DRAWN E.S.L.
TRACED B.J.W.
CHECKED C.J.S.

SUBMITTED R.L. Glasmeyer Jr. BRIDGE ENGINEER
APPROVED STATE HIGHWAY ENGINEER

NUMBER 3901

DATE | REVISIONS | BY

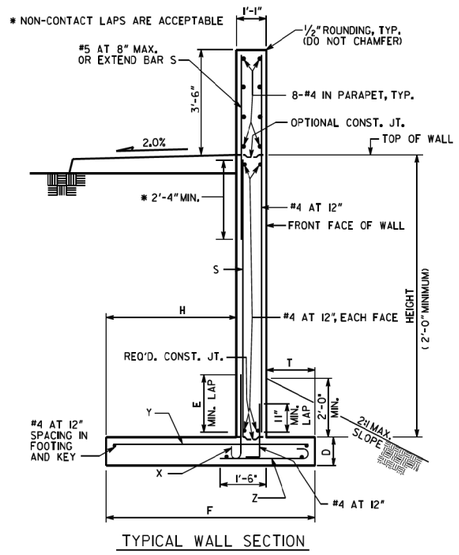
REVISION DATES

GEORGIA STANDARDS
15TH STREET EXTENSION

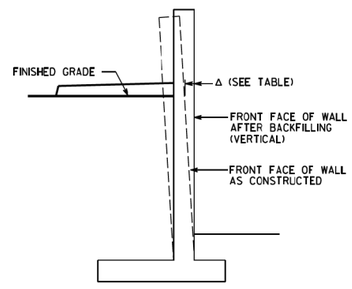
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 41-0008

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

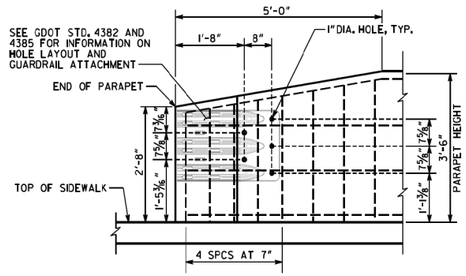


TYPICAL WALL SECTION

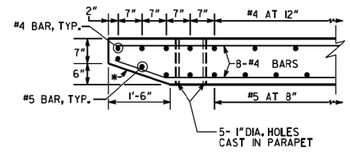


WALL BATTER DETAIL

MAX. HEIGHT	WALL DIMENSIONS					REINFORCEMENT				Δ (INCHES)	MAX. FACTORED BEARING PRESSURE	TYPE
	D	E	F	H	T	S	X	Y	Z			
6'	1'-0"	2'-4"	6'-10"	4'-9"	1'-0"	#5 AT 8"	#5 AT 8"	#4 AT 8"	#4 AT 12"	0"	2.3 KSF	P1
8'	1'-0"	2'-4"	7'-3"	5'-2"	1'-0"	#5 AT 8"	#5 AT 8"	#5 AT 8"	#4 AT 12"	1/8"	2.6 KSF	P2
10'	1'-3"	2'-4"	8'-6"	6'-5"	1'-0"	#5 AT 7"	#5 AT 7"	#5 AT 7"	#4 AT 12"	1/4"	2.9 KSF	
12'	1'-3"	2'-9"	10'-0"	7'-8"	1'-3"	#6 AT 7"	#6 AT 7"	#6 AT 7"	#4 AT 12"	7/16"	3.2 KSF	P3
14'	1'-3"	3'-2"	11'-7"	8'-6"	2'-0"	#7 AT 6"	#7 AT 6"	#7 AT 6"	#4 AT 12"	11/16"	3.3 KSF	



END OF PARAPET GUARDRAIL ATTACHMENT



GUARDRAIL ATTACHMENT REINFORCING

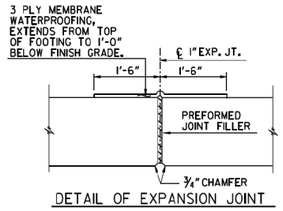
* CHAMFER EXTENDS TO JOINT AT THE TOP OF SIDEWALK

GENERAL NOTES:

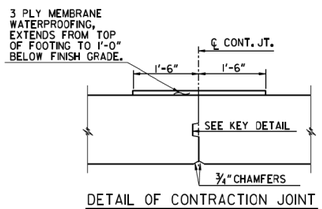
1. SPECIFICATIONS: GEORGIA STANDARD, CURRENT EDITION, AND SUPPLEMENTS THERETO.
2. CONCRETE SHALL BE CLASS "A". REINFORCING STEEL SHALL BE GRADE 60.
3. DRAINAGE DETAIL ALTERNATES A OR B, PER THE DETAIL ON THIS SHEET, ARE REQUIRED FOR TYPE P1, P2, AND P3 RETAINING WALLS. INCLUDE COSTS OF MATERIALS AND WORK IN PRICE BID FOR CLASS A CONCRETE, (TYPE) RETAINING WALL.
4. MAINTAIN 2" COVER ON ALL REINFORCING IN STEM AND PARAPET AND 3" COVER IN FOOTING. USE OF FORMLINERS PER THE CONTRACT WILL REQUIRE OVERALL STEM AND PARAPET WIDTHS TO BE INCREASED TO MAINTAIN COVER.
5. EXPOSED CONCRETE SURFACES SHALL RECEIVE A TYPE III FINISH UNLESS A FORMLINER IS REQUIRED PER THE CONTRACT.
6. APPLY A GRAFFITI PROOF COATING AS PER SECTION 838 TO ALL EXPOSED CONCRETE SURFACES.
7. PARAPET WALLS OVER 20'-0" IN LENGTH SHALL HAVE CONTRACTION JOINTS SPACED AT A MAXIMUM OF 20'-0". CONTRACTION JOINTS SHALL EXTEND THROUGH THE PARAPET, AND STEM. PARAPET WALLS OVER 80'-0" IN LENGTH SHALL HAVE EXPANSION JOINTS SPACED UNIFORMLY AT A MAXIMUM SPACING OF 80'-0" WITH 1" PREFORMED JOINT FILLER EXTENDING THROUGH PARAPET, STEM, AND FOOTING AT EACH EXPANSION JOINT. GALVANIZED 10d NAILS SHALL BE USED TO INSTALL EXPANSION MATERIAL.
8. PLACE AND TIE ALL REINFORCING STEEL IN ACCORDANCE WITH THE GEORGIA DOT SPECIFICATIONS. DO NOT WELD REINFORCING STEEL. LONGITUDINAL REINFORCING SHALL NOT EXTEND THROUGH EXPANSION JOINTS. STEM LONGITUDINAL REINFORCING SHALL NOT EXTEND THROUGH CONTRACTION JOINTS. LONGITUDINAL REINFORCING SHALL BE LAP SPLICED 2'-5". LONGITUDINAL FOOTING REINFORCING SHALL BE CONTINUOUS BETWEEN EXPANSION JOINTS. WHEN FOOTING SIZE CHANGES, LONGITUDINAL REINFORCING FOR SMALLER FOOTING SHALL EXTEND 1'-10" MINIMUM INTO LARGER FOOTING.
9. EXPANSION AND CONTRACTION JOINTS IN TYPE P1, P2, AND P3, RETAINING WALLS SHALL BE WATERPROOFED ON THE BACK SIDE. WATERPROOFING SHALL BE 3-PLY AND EXTEND FROM 1'-0" BELOW FINISH GRADE TO TOP OF FOOTING FOR 1'-6" MIN. EACH SIDE OF JOINT.
10. TYPE P1, P2, AND P3 RETAINING WALLS SHALL BE PAID FOR PER LINEAR FOOT AS CLASS A CONCRETE, (TYPE) RETAINING WALL, INCLUDE COSTS FOR WATERPROOFING, EXCAVATON, BACKFILLING, CONCRETE, REINFORCING STEEL AND ALL INCIDENTALS IN THE PRICE BID.
11. TYPE P1, P2, AND P3 RETAINING WALLS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 8TH EDITION, 2017. THE PARAPETS INCLUDED IN THE DESIGN HAVE BEEN CERTIFIED BY THE DEPARTMENT TO SATISFY MASH TL-4 REQUIREMENTS FOR PROJECTS IN GEORGIA.
12. RETAINING WALLS DESIGNED FOR THE FOLLOWING SOIL PROPERTIES:

	FOUNDATION	BACKFILL
COHESION =	0 KSF	0 KSF
θ =	28°	28°
UNIT WT. =	0.120 KCF	0.120 KCF

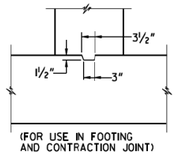
13. WIRE FABRIC REINFORCING OR ALTERNATE REBAR SIZE/SPACING MAY BE USED IF DETAILS ARE SUBMITTED TO AND APPROVED BY THE ENGINEER PRIOR TO USE.
14. WHERE GUARDRAIL ATTACHMENT IS REQUIRED, PAYMENT FOR THE FIVE 1" DIAM. HOLES, PROPERLY LOCATED FOR CONNECTING THE SPECIAL END SHOE SHALL BE INCLUDED IN THE PRICE BID FOR CLASS A CONCRETE, (TYPE), RETAINING WALL BASED ON STEM HEIGHT REQUIRED. SHIFT PARAPET REINFORCING TO MISS BOLT HOLES AS REQUIRED.



DETAIL OF EXPANSION JOINT

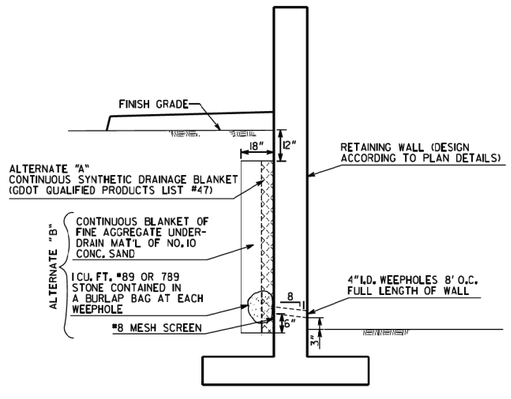


DETAIL OF CONTRACTION JOINT



(FOR USE IN FOOTING AND CONTRACTION JOINT)

SHEAR KEY DETAIL



DRAINAGE DETAILS

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD

PARAPET RETAINING WALL
TYPES P1, P2, AND P3

NO SCALE — MAY 2020

DATE | REVISION | BY

DES. DDF
DRW. DDF
CHK. CEW
REV. WMD/BAS

(SUBMITTED) R Christopher Rudd
STATE DESIGN POLICY ENGINEER

(APPROVED) Margaret B Pinelo
CHIEF ENGINEER

NUMBER 4949D

REVISION DATES		

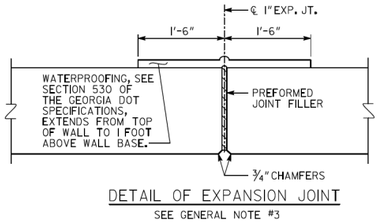
GEORGIA STANDARDS

15TH STREET EXTENSION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		41-0009
CORRECTED:		DATE:		
VERIFIED:		DATE:		

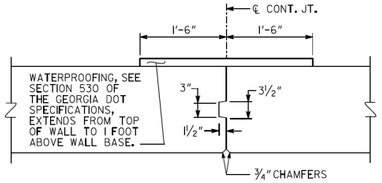
10/23/2015 GPLN

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



DETAIL OF EXPANSION JOINT

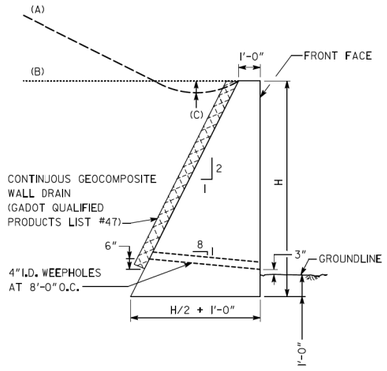
SEE GENERAL NOTE #3



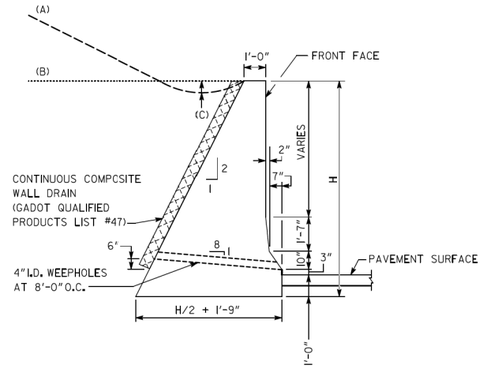
DETAIL OF CONTRACTION JOINT

SEE GENERAL NOTE #3

(A) - SLOPED BACKFILL WITH DITCH
(B) - FLAT BACKFILL
(C) - DITCH DEPTH, 6" - 12" TYPICAL
SEE PLANS FOR DESIGN

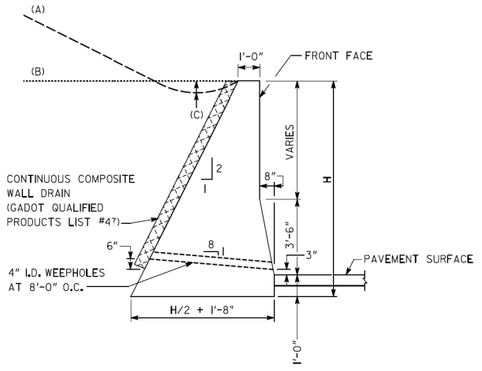


TYPICAL SECTION A



TYPICAL SECTION B

(NEW JERSEY BARRIER FACE)



TYPICAL SECTION C

(SINGLE SLOPE BARRIER FACE)

MAXIMUM "H"*			
BACKSLOPE	TYP. SECTION A	TYP. SECTION B **	TYP. SECTION C **
FLAT	8'-6"	10'-0"	10'-0"
SLOPE TO 4H	6'-3"	7'-0"	7'-0"
SLOPE TO 2H	4'-6"	4'-9"	4'-9"

* GREATER "H" PERMITTED IF APPROVED BY BRIDGE DESIGN.

** TYPICAL SECTION B SHALL HAVE A MINIMUM H OF 3'-8"
TYPICAL SECTION C SHALL HAVE A MINIMUM H OF 4'-6"

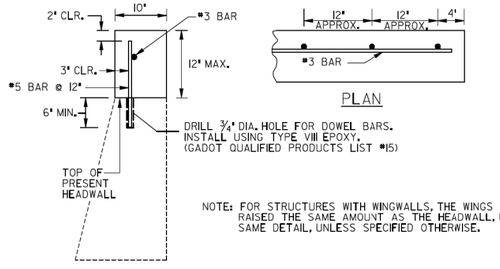
GENERAL NOTES:

1. GRAVITY WALLS SHALL NOT BE USED WHEN HORIZONTAL DISTANCE FROM EDGE OF TRAVEL WAY TO FRONT FACE OF WALL IS LESS THAN (H + 1'0").
2. GRAVITY WALLS DESIGNED FOR THE FOLLOWING SOIL PROPERTIES:

	FOUNDATION	BACKFILL
COHESION =	0 PSF	0 PSF
θ =	28°	28°
UNIT WEIGHT =	120 PCF	120 PCF

3. EXPANSION JOINTS SHALL BE LOCATED AT A MAXIMUM SPACING OF 90'-0" AND EXTEND THROUGH THE WALL. CONTRACTION JOINTS SHALL BE LOCATED AT A MAXIMUM SPACING OF 30'-0".
4. GRAVITY WALLS WITH A VERTICAL FRONT FACE SHALL BE PAID FOR AS "CLASS B CONCRETE OR MORTAR RUBBLE MASONRY, RETAINING WALL". GRAVITY WALLS WITH A BARRIER FRONT FACE SHALL BE PAID FOR AS "CLASS A CONCRETE, RETAINING WALL". WATERPROOFING, JOINT FILLER, WALL DRAIN, AND OTHER INCIDENTAL ITEMS SHALL BE INCLUDED IN OVERALL BID SUBMITTED.
5. A CONCRETE DITCH DETAIL FOR THE TOP OF THE WALL SHOULD BE INCLUDED IN THE ROADWAY PLANS WHEN WATER IS FLOWING TOWARDS THE BACK OF THE WALL. SEE CONSTRUCTION DETAIL D-49.
6. FINISH EXPOSED SURFACES OF THE WALL WITH A TYPE III FINISH.
7. APPLY GRAFFITI PROOF COATING AS PER SECTIONS 500 AND 838 OF THE GEORGIA DOT SPECIFICATIONS.
8. ALL NECESSARY FENCE AND HANDRAIL SHOULD BE INCLUDED IN THE ROADWAY PLANS WHEN APPROPRIATE.
9. GRAVITY WALL TYPICAL SECTIONS A, B, AND C HAVE BEEN DESIGNED PER THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 7TH EDITION, 2014.

DETAIL FOR RAISING HEADWALL

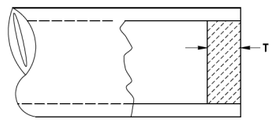


SECTION

PLAN

NOTE: FOR STRUCTURES WITH WINGWALLS, THE WINGS SHALL BE RAISED THE SAME AMOUNT AS THE HEADWALL, USING THIS SAME DETAIL, UNLESS SPECIFIED OTHERWISE.

TYPICAL PIPE PLUG



SECTION

NOTE: PLAN PAY QUANTITIES ARE TO REFLECT PIPE PLUGS AS CU. YDS. OF CL. B CONCRETE. ON CONSTRUCTION PLUGS MAY BE BUILT WITH BRICK MASONRY, MORTAR RUBBLE MASONRY, CL. A CONC., OR CL. B CONC. WITH NO ADJUSTMENT IN PAYMENT MADE FOR ALTERNATES.

D	T (MIN)	PIPE PLUG (CU. YDS.)
12"	8"	0.0194
15"	8"	0.0303
18"	8"	0.0436
24"	8"	0.0776
30"	8"	0.1212
36"	8"	0.1745
42"	8"	0.2376
48"	8"	0.3103
54"	12"	0.5890
60"	12"	0.7272
66"	12"	0.8799
72"	12"	1.0472

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD
GRAVITY WALL TYPICAL SECTIONS, RAISING HEADWALL, AND TYPICAL PIPE PLUG

NO SCALE: REV. & REDR. SEPT, 2016

DATE | REVISION | BY

REV. & C.E.W.
REDR.
CHK. D.D.F.

(SUBMITTED) STATE ROAD & AIRPORT DESIGN ENGR.

(APPROVED) Margaret B Rivele STATE HIGHWAY ENGINEER

NUMBER 9031L

SHEET 1 OF 2

9031L_Revised_2016-10-25.dgn

REVISION DATES

GEORGIA STANDARDS

15TH STREET EXTENSION

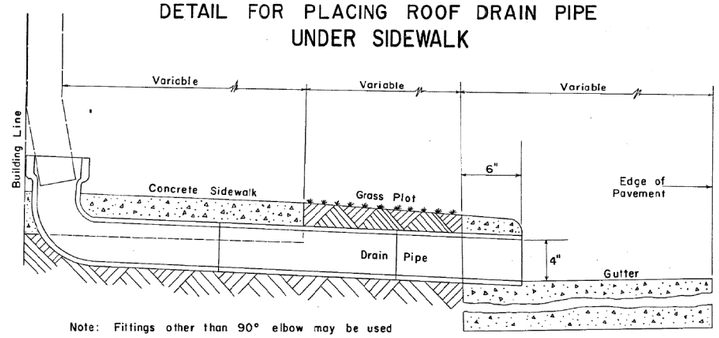
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 41-0010

10/23/2015 GPLN

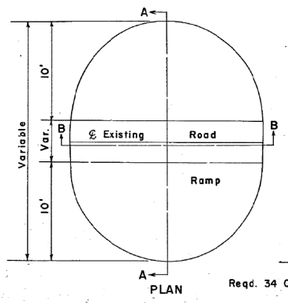
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

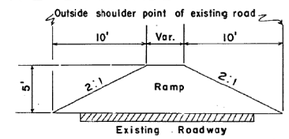
DETAIL FOR PLACING ROOF DRAIN PIPE UNDER SIDEWALK

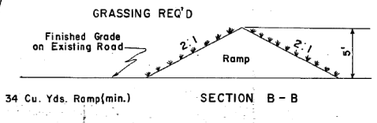


Note: Fittings other than 90° elbow may be used to satisfy other conditions.

DETAIL OF RAMP TYPE BARRICADE



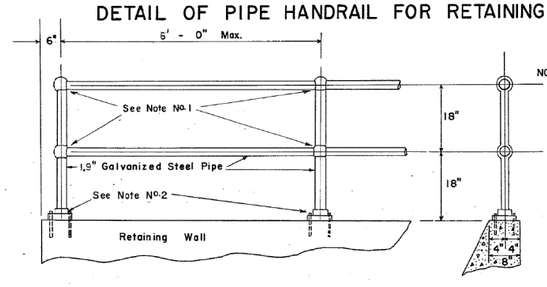




Reqd. 34 Cu. Yds. Ramp(min.)

NOTE: Materials and construction to be in accordance with Standard Specifications

DETAIL OF PIPE HANDRAIL FOR RETAINING WALL



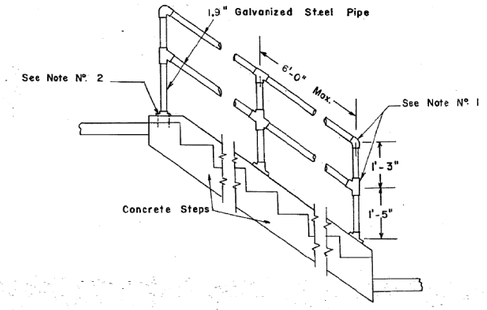
NOTE: If wall is long, and expansion and contraction joints are used in the wall, slip joints are to be provided for in that section of handrailing over the expansion or contraction joint. Stripping the threads in the part of the ball fittings where required to form a slip joint will be permitted.

NOTE: Pipe, pipe fittings, floor flanges and bolts shall be of an approved standard type.

NOTES FOR PIPE HANDRAILING

1. JOINTS —
   a.) Standard or Special galvanized steel or galvanized iron fittings may be used at joints (as shown).
   — OR —
   b.) Joints may be welded. If welded, all exposed joints shall be finished by grinding or filling to give a neat appearance. All damage to galvanizing shall repaired in accordance with the Ga. Standard Specifications.
2. FOOTINGS —
   a.) Post may be anchored with 2½" x 6½" galvanized Floor Flanges with 4 — ½ x 9" galvanized bolts (as shown).
   — OR —
   b.) Post may be grouted in 6" deep, 3" diam. hole. Total length of post will be 6" greater than that in details to give same useable height as if Floor Flanges were used.
3. 1.9" (galv. steel pipe) denotes O.D. for rail sections. I.D.= 1½".

DETAIL OF PIPE HANDRAIL FOR CONCRETE STEPS



NOTE: PIPE, FITTINGS, FLANGES AND BOLTS SHALL BE OF AN APPROVED STANDARD TYPE.

BY	DATE	REVISIONS
R.M.U.	10-11-88	Designated 1.9" O.D. Handrail
R.M.U.	11-25-75	Add. Comments Detail B
R.M.U.	2-11-76	Handrail for Conc. Steps
R.M.U.	2-10-78	Rev. Handrailing
R.M.U.		Ramp detail - Rem. Sprig.

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD CONSTRUCTION DETAILS

PLACING ROOF DRAIN PIPE UNDER SIDEWALK
RAMP TYPE BARRICADE
PIPE HANDRAIL FOR RETAINING WALL
PIPE HANDRAIL FOR CONCRETE STEPS

NO SCALE — REVISED: FEB., 1966

DESIGNED:
DRAWN: A.V.S.
TRACED: A.V.S.
CHECKED: R.B.S.

SUBMITTED: STATE ROAD DESIGN ENGINEER
APPROVED: STATE HIGHWAY ENGINEER

NUMBER 903IR

Diazigen N. O. 135 "Imperial"

REVISION DATES		

GEORGIA STANDARDS

15TH STREET EXTENSION

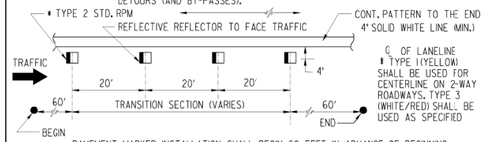
CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	41-0011
VERIFIED:		DATE:	

10/23/2015 GPLN

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

TEMPORARY RAISED PAVEMENT MARKER DETAIL

INSTALLATION PATTERN FOR LATERAL MAINLINE SHIFTS AND CROSSOVER OPERATIONS. ALSO APPLICABLE FOR DETOURS (AND BY-PASSES).



PAVEMENT MARKER INSTALLATION SHALL BEGIN 60 FEET IN ADVANCE OF BEGINNING OF THE SHIFT OR TRANSITION ALIGNMENT, CONTINUE THRU THE TRANSITION AREA, & EXTEND 60 FEET BEYOND THE INTERSECTION WITH THE TEMPORARY ALIGNMENT. TEMPORARY RAISED PAVEMENT MARKERS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS AND THE GA. STD. SPECIFICATIONS.

STANDARD LEGEND

- STRIPED DRUM
- TYPE III BARRICADES
- SPECIAL BARRICADE WITH BI-DIRECTIONAL, TYPE "C" STEADY BURNING LIGHT OR HIGHWAY SIGN AS SPECIFIED (SEE DETAIL)
- SEQUENTIAL OR FLASHING ARROW
- PORTABLE CHANGEABLE MESSAGE SIGN
- PERMANENT TYPE POST MOUNTED SIGN
- TEMPORARY POST MOUNTED SIGN
- PORTABLE MOUNTED SIGN - FLAGS NOT REQUIRED
- WORK AREA
- TRAFFIC CONE - 28" MIN. - (DAYTIME USE ONLY)
- FLAGGER WITH STOP-SLOW PADDLE
- TRAFFIC IMPACT ATTENUATOR (CRASH CUSHION)
- TYPE I CLEAR (WHITE) DELINEATOR - SINGLE FACE
- TYPE I YELLOW DELINEATOR - SINGLE FACE
- TYPE I CLEAR (WHITE) DELINEATOR DOUBLE FACE
- TYPE I YELLOW DELINEATOR DOUBLE FACE

GENERAL NOTES :

1. ALL TRAFFIC CONTROL DEVICES SHALL BE MADE AND ERECTED IN ACCORDANCE WITH THE DETAILS SHOWN ON THE PLANS; THE MUTCD; THE GEORGIA STANDARD SPECIFICATIONS, AND/OR SPECIAL PROVISIONS. (SEE SECTION 150)
2. ALL TRAFFIC CONTROL DEVICES SHALL BE AS SHOWN, OR AS DIRECTED BY THE ENGINEER. ADDITIONAL DEVICES MAY BE REQUIRED AS DIRECTED BY THE ENGINEER.
3. ALL PORTABLE SIGNS SHALL BE MOUNTED A MINIMUM OF 1FOOT ABOVE THE LEVEL OF PAVEMENT EDGE FOR DIRECTIONAL TRAFFIC OF TWO (2) LANES OR LESS AND A MINIMUM OF 7 FEET FOR DIRECTIONAL OF THREE (3) OR MORE LANES. ALL PORTABLE SIGNS AND SIGN MOUNTING DEVICES UTILIZED IN THE WORK SHALL BE NCHRP 350 COMPLIANT. PORTABLE SIGNS MAY BE USED WHEN THE DURATION OF THE WORK IS LESS THAN 3 DAYS.
4. WHEN THE CONSTRUCTION AREA HAS ENTRANCE/EXIT RAMPS OR INTERSECTIONS, WORK WILL BE PERFORMED IN SUCH A MANNER TO PERMIT TRAFFIC TO OPERATE WITH THE LEAST AMOUNT OF INCONVENIENCE AS POSSIBLE. ADDITIONAL CHANNELIZATION AND SIGNING SHALL BE INSTALLED, AS REQUIRED, TO ALLOW TRAFFIC TO REMAIN AS OPERATIONAL AS POSSIBLE. WHEN ENTRANCE RAMPS/INTERSECTIONS ARE INOPERABLE, FLAGGERS WILL BE UTILIZED TO CONTROL AND PROHIBIT MOVEMENT INTO THE PROJECT AT THAT POINT UNTIL CONSTRUCTION HAS CLEARED THE RESTRICTION SUFFICIENT TO RETURN TO OPERATIONAL STATUS.
5. FOR NIGHT TIME OPERATIONS, DRUMS SHALL HAVE, FOR THE LENGTH OF THE TAPER ONLY, A SIX (6") INCH ORANGE REFLECTIZED TOP STRIPE ON EACH DRUM IN THE TAPER AS REQUIRED IN SECTION 150. SPACING OF DEVICES SHALL BE AS SHOWN. DURING DAYLIGHT HOURS, CONES (28" MIN.) MAY BE USED IN ADVANCE OF AND THROUGHOUT WORK AREA.
6. SIGN LOCATIONS ARE APPROXIMATE AND MAY BE ADJUSTED TO MEET FIELD CONDITIONS BUT MUST BE WITHIN THE LIMITATIONS SET FORTH IN THE MUTCD.
7. A PORTABLE SELF-SUSTAINED SEQUENTIAL OR FLASHING ARROW SIGN SHALL BE USED AT THE BEGINNING OF EACH LANE CLOSURE ON MULTI-LANE HIGHWAYS. ARROW PANELS SHALL NOT BE USED ON TWO-LANE TWO-WAY HIGHWAYS EXCEPT IN CAUTION MODE.
8. WHEN NOT IN USE, PORTABLE SIGNS SHALL BE REMOVED FROM THE TRAVELWAY SO THAT THE MESSAGE IS NOT VISIBLE TO THE MOTORIST. INTERIM SIGNS THAT ARE PERMANENTLY MOUNTED SHALL BE COVERED WHEN NOT APPLICABLE. SEE SECTION 150.
9. PROJECT SIGNS W20-1, G20-1 & G20-2 FOR THIS PROJECT SHALL BE COORDINATED WITH ADJACENT CONSTRUCTION PROJECTS. ONLY ONE SET OF SIGNS IS REQUIRED IN EACH DIRECTION FOR THE TOTAL LENGTH OF ALL PROJECTS- AT THE BEGINNING OF THE FIRST PROJECT AND AT THE ENDING OF THE LAST PROJECT. ADVANCE CONSTRUCTION SIGNS ARE NOT REQUIRED ON INTERMEDIATE PROJECTS, UNLESS CONSTRUCTION ON THE ADJACENT PROJECTS IS COMPLETED BEFOREHAND, THEN PROJECT CONSTRUCTION SIGNS WILL BE ADDED AS NECESSARY.
10. ALL THE COST OF THE MATERIALS, LABOR AND EQUIPMENT NECESSARY TO COMPLETE THE WORK SHALL BE INCLUDED IN THE PRICE BID FOR TRAFFIC CONTROL SECTION 150, LUMP SUM, WHEN SHOWN AS A PAYMENT ITEM IN THE PROPOSAL. OTHERWISE, ALL THE COST WILL BE INCLUDED IN THE OVER-ALL BID SUBMITTED, EXCEPT ON CERTAIN PROJECTS SOME ITEMS MAY BE PAID FOR SEPARATELY BY THE UNIT WHEN SPECIFIED ON THE PLANS AND IN THE PROPOSAL.
11. FOR FREEWAY CONSTRUCTION THE CONTRACTOR SHALL ARRANGE HIS WORK SO THAT THERE IS AN EXIT GORE SIGN AND AN EXIT DIRECTION SIGN IN PLACE FOR ALL EXIT RAMPS AT ALL TIMES.
12. ALL CROSSROADS, SIDEROADS, RAMPS OR OTHER ENTRANCES TO MAINLINE CONSTRUCTION SHALL REQUIRE W20-1 SIGNS LOCATED AS SHOWN IN THE PLANS, OR AS DIRECTED BY THE ENGINEER.
13. MARKINGS AND/OR SIGNS IN CONFLICT WITH INTERIM TRAFFIC CONTROL SHALL BE REMOVED, RELOCATED OR COVERED; APPLICABLE EXISTING AND INTERIM MARKINGS AND/OR SIGNING SHALL BE MAINTAINED PER SECTION 150.
14. ANY CHANNELIZING DEVICES (DRUMS OR BARRICADES) IN CONFLICT WITH CONCRETE BARRIERS SHALL BE OMITTED.
15. CONTRACTOR SHALL PROVIDE THE NECESSARY TRAFFIC CONTROL DURING THE TIE-IN OPERATION.
16. THE TRAFFIC CONTROL DEVICES SHOWN FOR ANY STAGE CONSTRUCTION SHALL REMAIN IN PLACE AND BE UTILIZED SO LONG AS NECESSARY FOR THE FOLLOWING STAGES AND SHALL BE REMOVED IMMEDIATELY WHEN NO LONGER REQUIRED. THE DEVICES MAY OR MAY NOT BE SHOWN ON THE PLANS FOR THESE FOLLOWING STAGES. REFER TO THE PLAN SHEET FOR THE INITIAL STAGE FOR THESE TRAFFIC CONTROLS.
17. EXISTING GUIDE SIGNS SHALL REMAIN IN PLACE SO LONG AS THEY DO NOT CONFLICT WITH THE CONSTRUCTION OF THIS PROJECT. WHEN IN CONFLICT, THEY SHALL BE RELOCATED ON TEMPORARY POSTS AT THE LOCATION AS DIRECTED BY THE ENGINEER. ANY DISTANCE SHOWN ON THE SIGN SHALL BE ADJUSTED ACCORDINGLY. IF THE SIGNS CANNOT BE RELOCATED, THEN THE SIGN SHALL BE REMOVED AND STORED AT A PLACE DESIGNATED BY THE ENGINEER. IF NEITHER OF THE ABOVE CAN BE DONE, THEN THE CONTRACTOR SHALL PROVIDE INTERIM GUIDE SIGNS AS COVERED IN SECTION 150.
18. (a) ON PROJECTS WITH LOW OR SOFT SHOULDERS, THE CONTRACTOR SHALL ERECT IMMEDIATELY AHEAD OF CONSTRUCTION OPERATIONS "LOW/SOFT SHOULDER" WARNING SIGNS AT THE PROJECT TERMINII, AT INTERVALS NOT TO EXCEED 1 MILE AND IMMEDIATELY PAST EACH CROSSROAD.

    (b) WHERE THE CONTRACTOR IS NOT RESPONSIBLE FOR SHOULDER CONSTRUCTION, THE DEPARTMENT WILL FURNISH THESE SIGNS FOR THE CONTRACTOR TO PICK UP, TRANSPORT, AND ERECT. THE DEPARTMENT WILL LATER REMOVE AND RETAIN THE SIGNS.

BY	DATE	REVISION
GLO	4-24-01	REVISED GENERAL NOTES AND LEGEND, DELETED TWO DETAILS, SPEC. BAR. SH. SPEC.
	3-30-06	

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD
TRAFFIC CONTROL
GENERAL NOTES, STANDARD LEGEND, MISCELLANEOUS DETAILS

NO SCALE AUG., 1999

DES. ____ DRW. ____ TRA. ____ CHK. ____
(SUBMITTED) STATE ROAD & AIRPORT DESIGN ENGINEER
(APPROVED) CHIEF ENGINEER

NUMBER 9100

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REVISION DATES

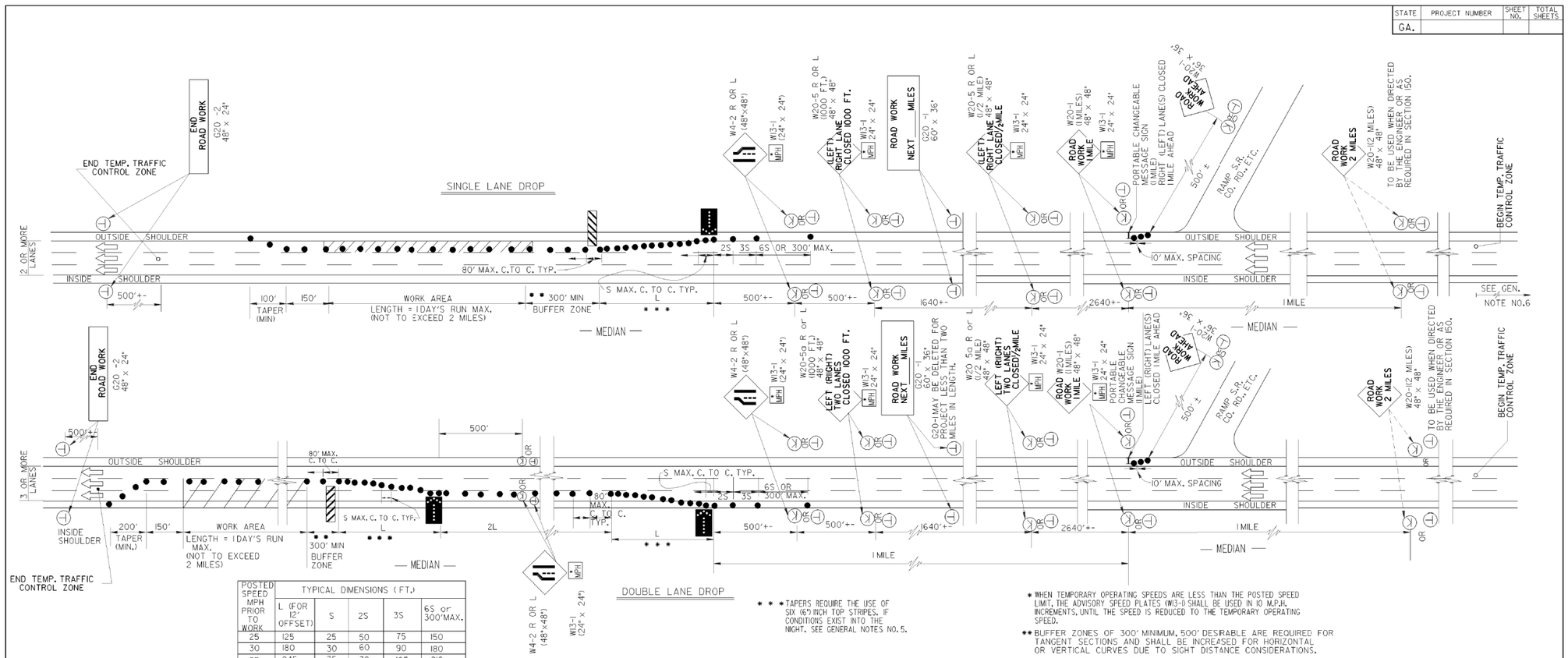
GEORGIA STANDARDS

15TH STREET EXTENSION

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

DRAWING No. 41-0012

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



POSTED SPEED MPH PRIOR TO WORK	TYPICAL DIMENSIONS (FT.)				
	L (FOR 12' OFFSET)	S	2S	3S	6S or 300'MAX.
25	125	25	50	75	150
30	180	30	60	90	180
35	245	35	70	105	210
40	320	40	80	120	240
45	540	45	90	135	270
50	600	50	100	150	300
55	660	55	110	165	300
60	720	60	120	180	300
65	780	65	130	195	300

(SEE FORMULA FOR OTHER CONDITIONS)

STANDARD LEGEND

- STRIPED DRUM
- TRAFFIC CONE - 28" MIN. (DAYTIME USE ONLY)
- TYPE III BARRICADE (OPTIONAL)
- SEQUENTIAL OR FLASHING ARROW
- TEMPORARY POST MOUNTED SIGN (OFF SHOULDER) --FOR LONG TERM LANE CLOSURE SUCH AS STATIONARY OPERATIONS, BRIDGE WIDENING PROJECTS ETC. - (7' MOUNT HEIGHT)
- PORTABLE MOUNTED SIGN (ON SHOULDER) --FOR SHORT TERM LANE CLOSURE SUCH AS MOVING OPERATIONS, RESURFACING PROJECTS, ETC. (SEE GENERAL NOTE. NO. 3)
- WORK AREA
- PORTABLE CHANGEABLE MESSAGE SIGN

L=WS FOR SPEEDS OF 45 M.P.H. OR GREATER;
L= WS²/60 FOR SPEEDS OF 40 M.P.H. OR LESS
WHERE:
L=MIN. LENGTH OF TAPER FOR LANE CLOSURE
S=POSTED SPEED
W=WIDTH OF OFFSET.

* * * TAPERS REQUIRE THE USE OF SIX (6") INCH TOP STRIPES. IF CONDITIONS EXIST INTO THE NIGHT. SEE GENERAL NOTES NO. 5.

* WHEN TEMPORARY OPERATING SPEEDS ARE LESS THAN THE POSTED SPEED LIMIT, THE ADVISORY SPEED PLATES (W13-1) SHALL BE USED IN 10 M.P.H. INCREMENTS, UNTIL THE SPEED IS REDUCED TO THE TEMPORARY OPERATING SPEED.

** BUFFER ZONES OF 300' MINIMUM, 500' DESIRABLE ARE REQUIRED FOR TANGENT SECTIONS AND SHALL BE INCREASED FOR HORIZONTAL OR VERTICAL CURVES DUE TO SIGHT DISTANCE CONSIDERATIONS.

GENERAL NOTES:

1. ALL TRAFFIC CONTROL DEVICES SHALL BE MADE AND ERECTED IN ACCORDANCE WITH THE DETAILS SHOWN ON THE PLANS; THE MUTCD; THE GEORGIA STANDARD SPECIFICATIONS, AND/OR SPECIAL PROVISIONS. (SEE SECTION 150)
2. ALL TRAFFIC CONTROL DEVICES SHALL BE AS SHOWN, OR AS DIRECTED BY THE ENGINEER. ADDITIONAL DEVICES MAY BE REQUIRED AS DIRECTED BY THE ENGINEER.
3. ALL PORTABLE SIGNS SHALL BE MOUNTED A MINIMUM OF 1FOOT ABOVE THE LEVEL OF PAVEMENT EDGE FOR DIRECTIONAL TRAFFIC OF TWO (2) LANES OR LESS AND A MINIMUM OF 7 FEET FOR DIRECTIONAL OF THREE (3) OR MORE LANES. ALL PORTABLE SIGNS AND SIGN MOUNTING DEVICES UTILIZED IN THE WORK SHALL BE NCHRP 350 COMPLIANT. PORTABLE SIGNS MAY BE USED WHEN THE DURATION OF THE WORK IS LESS THAN 3 DAYS.
4. WHEN THE CONSTRUCTION AREA HAS ENTRANCE/EXIT RAMPS OR INTERSECTIONS, WORK WILL BE PERFORMED IN SUCH A MANNER TO PERMIT TRAFFIC TO OPERATE WITH THE LEAST AMOUNT OF INCONVENIENCE AS POSSIBLE. ADDITIONAL CHANNELIZATION AND SIGNING SHALL BE INSTALLED, AS REQUIRED, TO ALLOW TRAFFIC TO REMAIN AS OPERATIONAL AS POSSIBLE. WHEN ENTRANCE RAMPS/INTERSECTIONS ARE INOPERABLE, FLAGGERS WILL BE UTILIZED TO CONTROL AND PROHIBIT MOVEMENT INTO THE PROJECT AT THAT POINT UNTIL CONSTRUCTION HAS CLEARED THE RESTRICTION SUFFICIENT TO RETURN TO OPERATIONAL STATUS.
5. FOR NIGHT TIME OPERATIONS, DRUMS SHALL HAVE, FOR THE LENGTH OF THE TAPER ONLY, A SIX (6") INCH ORANGE REFLECTIZED TOP STRIPE ON EACH DRUM IN THE TAPER AS REQUIRED IN SECTION 150. SPACING OF DEVICES SHALL BE AS SHOWN. DURING DAYLIGHT HOURS, CONES (28" MIN.) MAY BE USED IN ADVANCE OF AND THROUGHOUT WORK AREA.
6. SIGNS SHOWN HERE ARE IN ADDITION TO ALL ADVANCE WARNING SIGNS REQUIRED BY SECTION 150.
7. A PORTABLE SELF-SUSTAINED SEQUENTIAL OR FLASHING ARROW SIGN SHALL BE USED AT THE BEGINNING OF EACH LANE CLOSURE ON MULTI-LANE HIGHWAYS. ARROW PANELS SHALL NOT BE USED ON TWO-LANE TWO-WAY HIGHWAYS EXCEPT IN CAUTION MODE.
8. WHEN NOT IN USE, PORTABLE SIGNS SHALL BE REMOVED FROM THE TRAVELWAY SO THAT THE MESSAGE IS NOT VISIBLE TO THE MOTORIST. INTERIM SIGNS THAT ARE PERMANENT MOUNTED SHALL BE COVERED WHEN NOT APPLICABLE. SEE SECTION 150.
9. PAYMENT FOR TRAFFIC CONTROL SHALL BE PER SECTION 150.

GENERAL NOTES:

10. (a) ON PROJECTS WITH LOW OR SOFT SHOULDERS, THE CONTRACTOR SHALL ERECT IMMEDIATELY AHEAD OF CONSTRUCTION OPERATIONS "LOW/SOFT SHOULDER" WARNING SIGNS AT THE PROJECT TERMINI, AT INTERVALS NOT TO EXCEED ONE MILE AND IMMEDIATELY PAST EACH CROSSROAD.
    (b) WHERE THE CONTRACTOR IS NOT RESPONSIBLE FOR SHOULDER CONSTRUCTION THE DEPARTMENT WILL FURNISH THESE SIGNS FOR THE CONTRACTOR TO PICK-UP, TRANSPORT AND ERECT, THE DEPARTMENT WILL LATER REMOVE AND RETAIN THE SIGNS.
11. IF EXISTING ADVANCE WARNING SIGNS (ROAD WORK, W20-1) ARE IN PLACE, AND ARE IN CONFLICT WITH THE LANE CLOSURE SIGNS SHOWN, THEY SHALL BE RESET IN ADVANCE OF LANE CLOSURE WITH THE MINIMUM SIGN SPACING REQUIRED BY THE STANDARDS AND THE MUTCD MAINTAINED.
12. HIGHWAY WORK ZONE SIGNS (HWZ-2 AND HNZ-3) SHALL BE INSTALLED ON THE TRAVEL WAY AND THE INTERSECTING ROADWAY AS REQUIRED IN SECTION 150.
13. THE G20-1 SIGNS SHOULD BE PLACED AT EACH TERMINUS OF THE PROJECT, PREFERABLY BETWEEN THE LAST ADVANCE WARNING SIGN(ROAD WORK- 500 FT.) AND BEFORE THE ADVANCE WARNING SIGNS FOR LANE SHIFTS, LANE CLOSURES, ETC.
14. THE PORTABLE CHANGEABLE MESSAGE SIGN (PCMS) SHALL BE PLACED ONE MILE IN ADVANCE OF A LANE CLOSURE WITH A MESSAGE DENOTING THE APPROPIATE LANE CLOSURE ONE MILE AHEAD.

DATE	REVISION	BY
9-4-07	ADDED POTABLE MESSAGE SIGN, ADDED GEN. NOTE # 14	GLO
3-30-06	REMOVED FLAGS AND REV. GENERAL NOTES. REV. SIGN G20-2A TO G20-2.	GLO

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD TRAFFIC CONTROL DETAIL FOR LANE CLOSURE ON MULTI-LANE DIVIDED HIGHWAY

NO SCALE REV. & REDR. JULY, 1999

DES. ____ DRW. ____ TRA. ____ CHK. ____

(SUBMITTED) STATE ROAD & AIRPORT DESIGN ENGINEER

(APPROVED) CHIEF ENGINEER

NUMBER 9106

REVISION DATES		

GEORGIA STANDARDS

15TH STREET EXTENSION

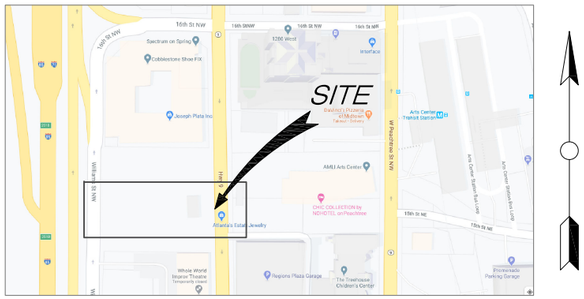
CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		41-0013
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN

P.I. No.

CITY OF ATLANTA
DEPARTMENT OF WATERSHED MANAGEMENT
OFFICE OF ENGINEERING SERVICES

CITY OF ATLANTA
KEISHA LANCE BOTTOMS
MAYOR



VICINITY MAP
N.T.S.

PROJECT DESCRIPTION

THE 15TH STREET WATERLINE RELOCATION PROJECT IS LOCATED IN FULTON COUNTY ON THE NEWLY CONSTRUCTED 15TH STREET EXTENSION BETWEEN WEST PEACHTREE STREET WESTBOUND TOWARDS WILLIAMS STREET.

THE DEPARTMENT OF WATERSHED MANAGEMENT IS RESPONSIBLE FOR OPERATION AND MAINTENANCE OF THE WATER AND SEWER SYSTEM FOR THE CITY OF ATLANTA. THIS PROJECT CONSISTS OF INSTALLING APPROXIMATELY 70 LINEAR FEET 6-INCH WATER LINE PER CITY OF ATLANTA DWM STANDARDS TO RELOCATE A FIRE HYDRANT AT THE SOUTHWEST INTERSECTION OF SPRING STREET AND 15TH STREET IN COORDINATION WITH 15TH STREET ROADWAY IMPROVEMENTS PROJECT. SITE ALSO INCLUDES RELOCATION OF WATER METERS AND ADJUSTING WATER VALVES AND FIRE HYDRANTS TO NEW GRADE.

EROSION NOTE:

I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES AS REQUIRED BY THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENT "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" PUBLISHED BY THE STATE SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH LAND DISTURBANCE ACTIVITY WAS PERMITTED.

EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs) WILL BE EMPLOYED AND ENFORCED PURSUANT TO AN EROSION AND SEDIMENT CONTROL PLAN PREPARED BY A GEORGIA SOIL AND WATER CONSERVATION COMMISSION LEVEL-2 DESIGN PROFESSIONAL.

THIS PROJECT IS EXEMPT FROM NPDES PERMITTING REQUIREMENTS, DISTURBED AREA IS LESS THAN 1 ACRE.

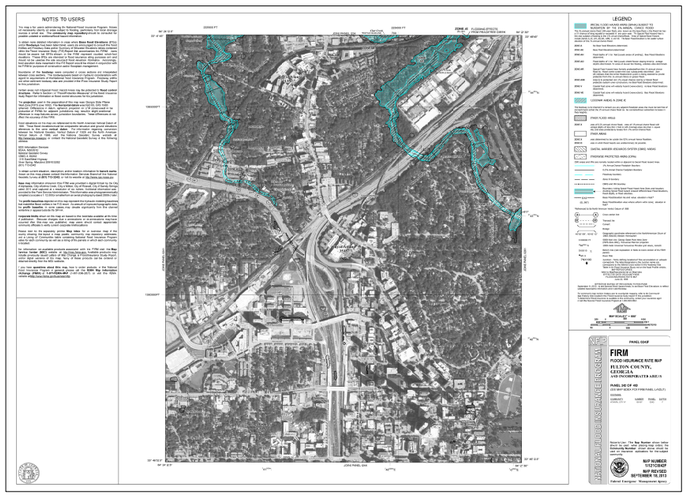
NOTES:
1. THIS IS A GENERAL DRAWING AND CONTAINS STANDARD CITY OF ATLANTA WATER DISTRIBUTION SYSTEM DETAILS.
2. SOME OF THE DETAILS SHOWN ON THIS DRAWING MAY NOT BE REQUIRED TO COMPLETE THE WORK UNDER THIS CONTRACT.

15th STREET ROADWAY EXTENSION
WATERLINE RELOCATION PROJECT

2nd SUBMISSION DESIGN PHASE DRAWING
MAY 2020

DEPARTMENT OF WATERSHED MANAGEMENT
MIKITA BROWNING, P.E.
INTERIM COMMISSIONER

DRAWING INDEX		
SHEET	DWG NO.	DESCRIPTION
01	44-000	COVER SHEET
02	44-001	GENERAL NOTES
03	44-002	UTILITY PLANS
04	44-003	STANDARD DETAILS
05	44-004	EROSION AND SEDIMENT CONTROL DETAILS
06	44-005	EROSION AND SEDIMENT CONTROL DETAILS
07	44-006	TRAFFIC CONTROL



FULTON COUNTY F.I.R.M. COMMUNITY PANEL:
FIRM PANEL 13121C0242F, DATED SEPTEMBER 18, 2013

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

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

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

15TH STREET EXTENSION

BENCHMARK MANAGEMENT
101 MARIETTA STREET
SUITE 2000
ATLANTA, GA 30303
TEL: (404) 581-9656
FAX: (404) 581-0158

GRAPHIC SCALE IN FEET
0 5 10 20

REVISION DATES

UTILITY RELOCATION
COVER

CHECKED:	RC	DATE:	5/12/2020	DRAWING No.
BACKCHECKED:	RC	DATE:	5/12/2020	44-000
CORRECTED:		DATE:		
VERIFIED:		DATE:		

P.I. No.

GENERAL NOTES:

1. THE MINIMUM COVER SHALL BE FOUR (4) FEET.
2. WHERE REQUIRED TO CLEAR EXISTING UTILITIES, THE VERTICAL ALIGNMENT OF THE PROPOSED WATER MAIN SHALL BE ADJUSTED TO ALLOW A MINIMUM CLEARANCE OF 18-INCHES FOR GAS OR SEWER LINES AND 12-INCHES FOR OTHER UTILITIES. SUCH ADJUSTMENT SHALL CONFORM TO THE DEPTH OF COVER REQUIREMENTS AS STATED ABOVE. CONTRACTOR SHALL MAINTAIN A MINIMUM HORIZONTAL DISTANCE OF TEN (10) FEET FROM THE OUTSIDE EDGE OF THE WATERLINE TO THE OUTSIDE EDGE OF THE SANITARY SEWER UNLESS NOTED OTHERWISE ON THE PLANS. CONTRACTOR SHALL MAINTAIN A MINIMUM VERTICAL SEPARATION OF EIGHTEEN (18) INCHES BETWEEN THE TOP OF THE SEWER AND BOTTOM OF THE WATER MAIN.
3. IF OBSTRUCTIONS SHOULD BE ENCOUNTERED THAT REQUIRE A DEVIATION FROM THE ORIGINAL PLANS, THE ENGINEER SHALL HAVE THE AUTHORITY TO ORDER SUCH DEVIATIONS AS REQUIRED.
4. THE CONTRACTOR SHALL MAKE NECESSARY EXCAVATIONS TO DETERMINE THE LOCATION OF EXISTING UNDERGROUND STRUCTURES IN PREPARATION TO OPENING OF TRENCHES. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR DAMAGES CAUSED TO SUCH STRUCTURES.
5. TEMPORARY SUPPORT AND ADEQUATE PROTECTION AND MAINTENANCE OF ALL UNDERGROUND AND SURFACE STRUCTURES, DRAINS, UTILITIES, SEWERS, CURBS AND OTHER OBSTRUCTIONS ENCOUNTERED IN THE PROGRESS OF THE WORK SHALL BE FURNISHED BY THE CONTRACTOR AT THEIR EXPENSE AND UNDER THE DIRECTION OF THE ENGINEER. THE STRUCTURES OR UTILITIES WHICH HAVE BEEN DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED TO EQUAL OR BETTER CONDITION AT THE CONTRACTOR'S EXPENSE.
6. WHENEVER NECESSARY TO DEFLECT THE PIPE FROM A STRAIGHT LINE, EITHER IN THE HORIZONTAL OR VERTICAL PLANE TO AVOID OBSTRUCTIONS, OR TO PLUMB STEMS, OR WHERE LONG RADIUS CURVES ARE PERMITTED, THE AMOUNT SHALL NOT EXCEED THE MANUFACTURERS RECOMMENDATION WHICHEVER IS MORE STRINGENT.
7. THE CONTRACTOR SHALL INSTALL THE NEW WATER MAIN TO WITHIN TEN (10) FEET OF THE PROPOSED TIE-IN LOCATIONS, OR TO THE LIMITS APPROVED BY THE DEPARTMENT, AND SHALL (WHERE REQUIRED) CONSTRUCT THE BACK HALF OF TYPE "A" THRUST BLOCKS. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING SIZE AND PIPE TYPE IF EXISTING LINE TO BE CONNECTED. CONTRACTOR SHALL HAVE THE APPROPRIATE MATERIALS, COUPLINGS, ADAPTORS, ETC. TO COMPLETE TIE-IN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TYING INTO THE EXISTING WATER MAIN.
8. ALL EXISTING WATER SERVICE CONNECTIONS TO BUILDINGS ARE NOT NECESSARILY SHOWN ON THE DRAWINGS, BUT ALL WORK OF RELOCATING AND CONSTRUCTING SAME SHALL BE PERFORMED BY THE CONTRACTOR AS FOLLOWS TO ENSURE CONTINUOUS SERVICE.
9. CONTRACTOR MUST MAINTAIN CONTINUOUS SERVICE TO ALL EXISTING METERS AND FIRE SERVICES EXCEPT AS AUTHORIZED BY THE DEPARTMENT. ANY NECESSARY TEMPORARY SERVICE CONNECTION SHALL BE MADE BY THE CONTRACTOR. TEMPORARY SERVICE LINES SHALL BE INSTALLED WHERE NOTED ON THE PLANS.
10. CONTRACTOR SHALL NOT OPERATE ANY VALVES, FIRE HYDRANTS, NOR MAKE ANY CONNECTIONS ON OR TO, EXISTING WATER MAINS FOR OTHER SYSTEM CONTROL DEVICES WHICH ARE AN OPERATIONAL PART OF THE ATLANTA WATER SYSTEM EXCEPT UNDER SUPERVISION OF CITY'S AUTHORIZED REPRESENTATIVE.
11. CONTRACTOR SHALL COORDINATE CONSTRUCTION OF THE NEW WATER MAIN TO MINIMIZE CONFLICTS WITH NEW SEWER LATERALS. CONTRACTOR SHALL TAKE PRECAUTIONS TO PROTECT EXISTING SEWER LATERALS AND SEWER MAINS. IF THE LATERAL OR SEWER MAIN IS DAMAGED DUE TO CONTRACTOR'S CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL FURNISH ALL LABOR AND MATERIALS AND DO ALL WORK NECESSARY TO REPAIR THE SEWER LATERAL OR MAIN AT THE CONTRACTOR'S EXPENSE.
12. TRENCHES WITHIN RIGHT OF WAY SHALL BE BACKFILLED AND COMPACTED TO NOT LESS THAN 98% OF MAXIMUM DRY DENSITY AS DETERMINED BY THE STANDARD PROCTOR TEST (ASTM D698) OR AS PER GADOT REQUIREMENT.
13. ALL WATERLINE PIPING SHALL BE CEMENT LINED DUCTILE IRON PIPE, PRESSURE CLASS 350 PSI.
14. BEFORE APPLYING THE SPECIFIED TEST PRESSURE, ALL AIR SHALL BE EXPELLED FROM THE PIPE. IF FIRE HYDRANTS OR BLOW-OFFS ARE NOT AVAILABLE AT THE HIGH POINTS OF THE LINE, THEN THE CONTRACTOR SHALL MAKE THE NECESSARY TAPS AT POINTS OF HIGHEST ELEVATION BEFORE THE TEST IS MADE AND INSERT PLUGS AFTER THE TEST HAS BEEN COMPLETED, ALL AT THE CONTRACTOR'S EXPENSE.
15. PRIOR TO DISINFECTION, ALL DIRT AND FOREIGN MATERIAL SHALL BE REMOVED BY A THOROUGH FLUSHING THROUGH THE HYDRANTS, BLOW-OFFS, OR BY OTHER MEANS. EACH VALVED SECTION OF NEWLY LAID PIPE SHALL BE FLUSHED INDEPENDENTLY. THIS SHALL BE DONE AFTER THE TRENCH HAS BEEN BACKFILLED.
16. CONNECTIONS TO EXISTING WATERLINES SHALL NOT BE COMPLETED UNTIL THE PROPOSED WATER MAIN HAS BEEN PRESSURE TESTED AND BACTERIOLOGICAL CLEARED AND ACCEPTED BY THE BUREAU OF DRINKING WATER.
17. CONTRACTOR TO NOTIFY DEPARTMENT OF WATERSHED MANAGEMENT PRIOR TO CONNECTIONS TO EXISTING WATER MAINS A MINIMUM OF 48 HOURS IN ADVANCE.
18. CONTRACTOR NOTE IN GENERAL, THE PROPOSED WATERLINE TO BE INSTALLED ADJACENT TO THE EXISTING WATERLINE, UNLESS NOTED OTHERWISE ON THE PLANS. IT IS EXPECTED THE EXISTING LINE WILL REMAIN IN SERVICE UNTIL THE NEW LINE HAS BEEN ACCEPTED BY THE DEPARTMENT. IF THE CONTRACTOR ELECTS TO INSTALL TEMPORARY SERVICES DUE TO PROXIMITY, A PLAN MUST BE SUBMITTED TO THE ENGINEER FOR APPROVAL SHOWING THE LOCATIONS OF TEMPORARY TIE-INS AND SERVICE LINES SERVICE LINES. MATERIALS FOR TEMPORARY WATERLINES ARE ADDRESSED IN THE PROJECT SPECIFICATIONS.
19. PROPOSED FIRE HYDRANT LOCATIONS ARE APPROXIMATE, AND MAY BE ADJUSTED BY THE ENGINEER DURING CONSTRUCTION.
20. CONTRACTOR SHALL MAINTAIN WATER SERVICE TO HOUSES/BUILDINGS DURING CONSTRUCTION. WHEN CONTRACTOR NEEDS TO DISCONNECT WATER CONNECTIONS IN ORDER TO COMPLETE THE WORK, THE OUTAGE SHALL BE LIMITED TO A MAXIMUM OF 6 HOURS. AFFECTED OCCUPANTS SHALL BE NOTIFIED OF THE PROPOSED OUTAGE A MINIMUM OF FORTY-EIGHT (48) HOURS IN ADVANCE. OUTAGES SHALL OCCUR BETWEEN THE HOURS OF 10 AM TO 4 PM OR AS APPROVED BY THE ENGINEER.
21. NO METERS SHALL BE REPLACED AS PART OF THIS PROJECT. THE CONTRACTOR WILL PROVIDE NEW SERVICE LINE OF THE SIZE SPECIFIED FROM THE NEW MAIN TO THE EXISTING METER BOX AND MAKE THE FINAL CONNECTION.

DESIGN CRITERIA

1. THE PROPOSED WATER MAIN ALIGNMENT HAS BEEN DESIGNED IN ACCORDANCE WITH RULES AND REGULATIONS GOVERNING DEVELOPMENT OF DESIGN AND INSTALLATION OF WATER MAINS, PROVIDED BY CITY OF ATLANTA.
2. ALL EXISTING WATER MAINS ARE ASSUMED TO HAVE LESS THAN FOUR (4) FEET OF COVER. ESTIMATED DEPTHS OF COVER ARE DOCUMENTED IN THE SUBSURFACE UTILITY INFORMATION REPORT. ACTUAL DEPTHS OF COVER TO BE VERIFIED DURING CONSTRUCTION.
3. ALL WATER MAINS WILL BE A MINIMUM OF 8 - INCHES IN DIAMETER.
4. ALL NEW RELOCATED WATER MAINS SHALL BE POLYETHYLENE ENCASED DUCTILE IRON PUSH ON PIPE, EXCEPT WHERE RESTRAINED JOINTS ARE REQUIRED ON BOTH SIDES OF FITTINGS ACCORDING TO RESTRAINED JOINT TABLE BELOW. CLASS OF PIPE SHALL BE IN ACCORDANCE WITH CITY STANDARDS AND SPECIFICATIONS.
5. THE PROPOSED WATER MAIN IS ALIGNED IN THE PUBLIC RIGHT OF WAY, SUCH THAT AT NO POINT DOES THE PROPOSED WATER MAIN CARY WITHIN TEN (10) FEET OF ANY SANITARY OR STORM SEWER WITH PARALLEL ALIGNMENT, MEASURED FROM PIPE EDGE TO PIPE EDGE; OR MAINTAINS A MINIMUM OF EIGHTEEN (18) INCHES OF VERTICAL SEPARATION FROM ANY SANITARY OR STORM SEWER WITH PARALLEL ALIGNMENT WHERE POSSIBLE.
6. THE PROPOSED WORK INCLUDES REMOVE AND REPLACEMENT OF ONE (1) EXISTING FIRE HYDRANTS, EXTEND 6-INCH DIP FIRE LINE AND ADJUSTING TWO (2) FIRE HYDRANTS TO GRADE, AS NEEDED. FIRE HYDRANTS HAS BE SPACED TO MEET SPACING REQUIREMENTS AND ALLOW FOR FLUSHING AT LOW POINTS AND AIR RELIEF AT HIGH POINTS.
7. THE PROPOSED WORK INCLUDES ADJUSTING TWO (5) GATE VALVES TO GRADE AS WELL AS THE ADDITION OF ONE (1) ISOLATION VALVE TO MEET MAXIMUM SPACING REQUIREMENTS.
8. THE EXISTING WATER MAIN TO BE ABANDONED SHALL BE GROUT FILLED WITH ANY VALVES IN THE "OPEN" POSITION.

PROJECT NOTES:

1. PROJECT PURPOSE
   THIS PROJECT CONSISTS OF EXTENDING THE 6-INCH FIRE LINE APPROXIMATELY 70 LF WITH 6" DIP TO MEET THE CITY OF ATLANTA DWM REQUIREMENTS OF BEING A MINIMUM OF 21-INCHES BEHIND FACE OF CURB.
2. OWNER / DEVELOPER
   CITY OF ATLANTA
   72 MARIETTA STREET
   ATLANTA, GEORGIA 30303
   (404)-546-0311 OFFICE
   (770)-979-6787 FAX
3. 24-HOUR CONTACT
   CITY OF ATLANTA, DEPARTMENT OF WATERSHED MANAGEMENT
   XXXXX XXXXXXXXX
   (XXX)-XXX-XXXX OFFICE
   (XXX)-XXX-XXXX CELL
4. PROJECT ADDRESS / LOCATION
   THE 15TH STREET WATERLINE RELOCATION PROJECT IS LOCATED IN FULTON COUNTY ON THE NEWLY CONSTRUCTED 15H STREET EXTENSION BETWEEN WEST PEACHTREE STREET WESTBOUND TOWARDS WILLIAMS STREET. THIS FIRE LINE EXTENSION IS LOCATED ON THE WESTSIDE OF SPRING STREET JUST NORTH OF 1226 SPRING STREET NW IN THE CITY OF ATLANTA NEAR THE VACANT PARKING LOT.
5. PROJECT FUNDING
   SOURCE NAME: CITY OF ATLANTA DEPARTMENT OF WATERSHED MANAGEMENT
6. SITE VISIT
   THE PROPOSED ROUTE AND IMMEDIATE VICINITY WAS VISITED BY THE PLAN DESIGNER ON MAY 13, 2020 PRIOR TO COMPLETING THE DESIGN.
7. TOTAL PROJECT AREA: 360 S.F. (0.009 ACRES)
   TOTAL DISTURBED AREA: 360 S.F.(0.009 ACRES)
8. 100-YEAR FLOOD PLAIN
   THIS PROJECT DOES NOT APPEAR TO CROSS IDENTIFIED 100-YEAR FLOOD PLAIN HAZARD AREAS IN FULTON OR COBB COUNTY AS PER THE FOLLOWING LOCATIONS:
   CITY OF ATLANTA F.I.R.M. COMMUNITY PANEL:
   FIRM PANELS 13121C0242F DATED SEPTEMBER 18, 2013
9. WETLANDS
   BASED ON VISUAL RECONNAISSANCE ON MAY 13, 2020 WETLANDS DO NOT APPEAR TO EXIST ALONG THE PROJECT ROUTE.
10. STATE WATERS
    BASED ON VISUAL RECONNAISSANCE ON MAY 13, 2020, THE PROJECT ROUTE DOES NOT APPEAR TO CROSS STATE WATER.

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

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

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

GDOT

15TH STREET EXTENSION

BENCHMARK MANAGEMENT
101 MARIETTA STREET
SUITE 2000
ATLANTA, GA 30303
TEL: (404) 581-9656
FAX: (404) 581-0158

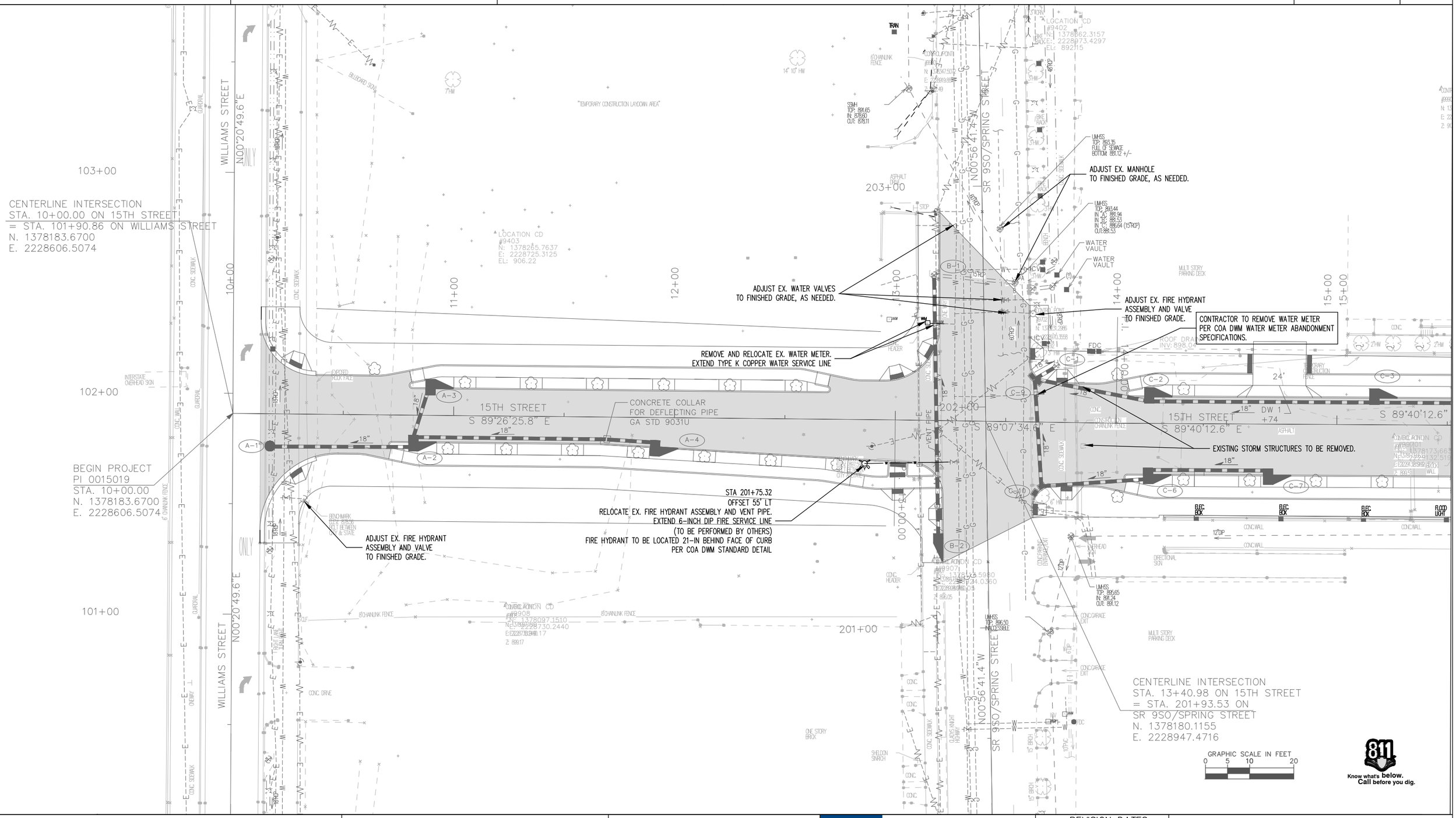
GRAPHIC SCALE IN FEET
0 5 10 20

REVISION DATES

UTILITY RELOCATION
GENERAL NOTES

CHECKED:	RC	DATE:	5/12/2020	DRAWING No.
BACKCHECKED:	RC	DATE:	5/12/2020	44–001
CORRECTED:		DATE:		
VERIFIED:		DATE:		

P.I. No.



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

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

GDOT

15TH STREET EXTENSION

BENCHMARK MANAGEMENT
101 MARIETTA STREET
SUITE 2000
ATLANTA, GA 30303
TEL: (404) 581-9656
FAX: (404) 581-0158

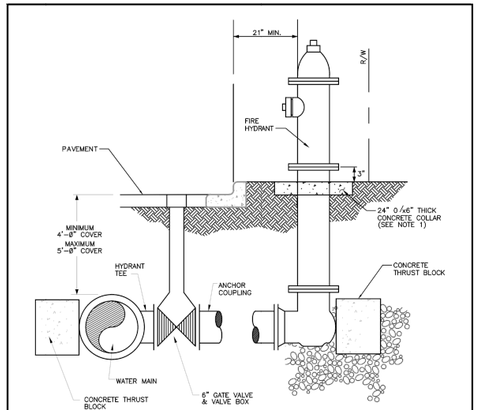
GRAPHIC SCALE IN FEET
0 5 10 20

REVISION DATES		

UTILITY RELOCATION
UTILITY PLANS

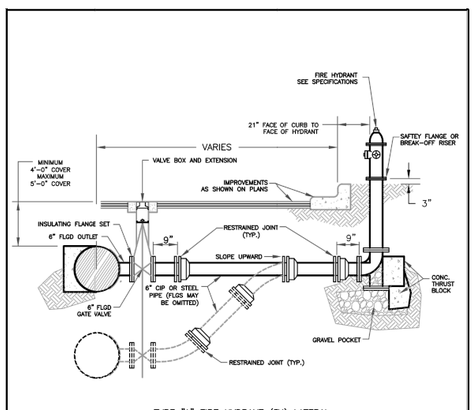
CHECKED:	RC	DATE: 5/12/2020	DRAWING No.
BACKCHECKED:	RC	DATE: 5/12/2020	44-002
CORRECTED:		DATE:	
VERIFIED:		DATE:	

P.I. No.



NOTES:
1. CONCRETE COLLAR NOT REQUIRED IF HYDRANT IS SURROUNDED BY CONCRETE SIDEWALK.
2. STONE SHALL BE PLACED A MINIMUM 6" ABOVE DRAIN PORTS, A MINIMUM 18" BELOW DRAIN PORTS, 15" LATERALLY ON EACH SIDE OF SHOE AND 24" FROM BACK OF HYDRANT TOWARD THE MAIN.

CITY OF ATLANTA DEPARTMENT OF WATERSHED MANAGEMENT	STANDARD DETAILS	DATE: 3/15/2016
	TYPICAL FIRE HYDRANT	DRAWN BY: MG REVIEWED BY: – SCALE: N.T.S.
		DETAIL NO.: W-1

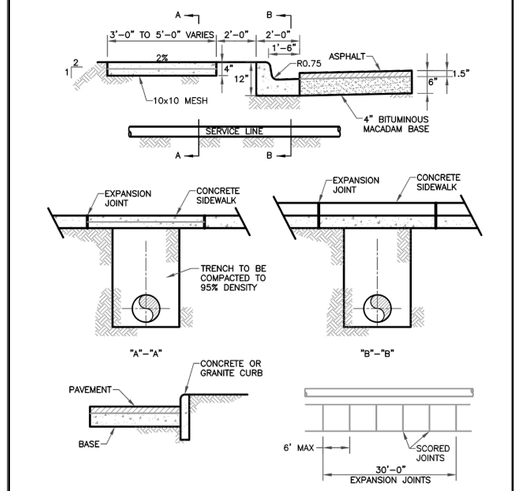


TYPE "A" FIRE HYDRANT (FH) LATERAL

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.

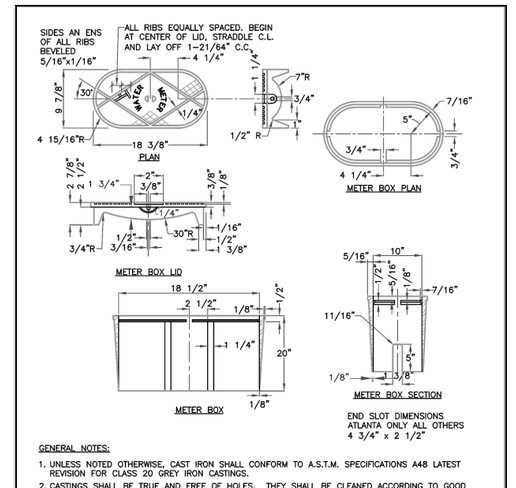
THIS DETAIL WAS TAKEN FROM THE CITY OF ATLANTA'S WEBSITE. IT MAY HAVE BEEN MODIFIED AND SHOULD BE REVIEWED THOROUGHLY.

CITY OF ATLANTA DEPARTMENT OF WATERSHED MANAGEMENT	STANDARD DETAILS	DATE: 3/15/2016
	TYPE "A" TYPICAL FIRE HYDRANT	DRAWN BY: MG REVIEWED BY: – SCALE: N.T.S.
		DETAIL NO.: W-2



NOTE:
1. DETAILS ARE TYPICAL
2. REPLACE SIDEWALKS, CURB AND GUTTER AND CURBING TO MATCH EXISTING MATERIALS AS DIRECTED.

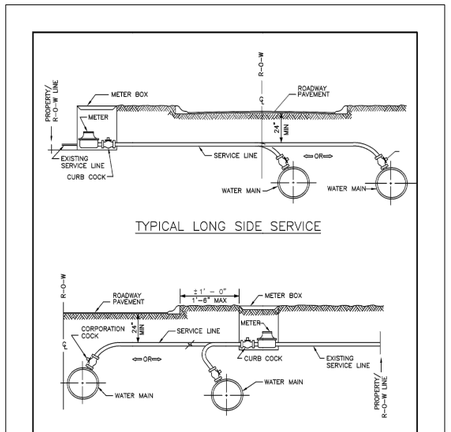
CITY OF ATLANTA DEPARTMENT OF WATERSHED MANAGEMENT	STANDARD DETAILS	DATE: 3/15/2016
	SIDEWALK, CURB AND GUTTER REPAIRS	DRAWN BY: MG REVIEWED BY: – SCALE: N.T.S.
		DETAIL NO.: W-45



END SLOT DIMENSIONS
ATLANTA ONLY ALL OTHERS
4 3/4" x 2 1/2"

GENERAL 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. CASTINGS 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 CASTINGS 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 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.

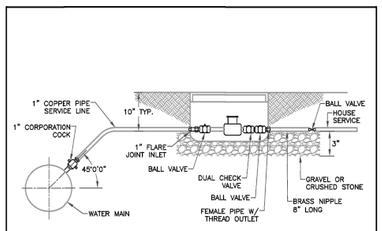
CITY OF ATLANTA DEPARTMENT OF WATERSHED MANAGEMENT	STANDARD DETAILS	DATE: 3/15/2016
	TYPICAL METER BOX ASSEMBLY	DRAWN BY: MG REVIEWED BY: – SCALE: N.T.S.
		DETAIL NO.: W-16



TYPICAL LONG SIDE SERVICE

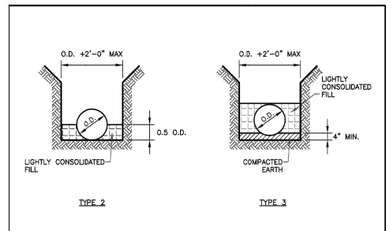
TYPICAL SHORT SIDE SERVICE

CITY OF ATLANTA DEPARTMENT OF WATERSHED MANAGEMENT	STANDARD DETAILS	DATE: 3/15/2016
	TYPICAL LONG SIDE AND SHORT SIDE SERVICE CONNECTION	DRAWN BY: MG REVIEWED BY: – SCALE: N.T.S.
		DETAIL NO.: W-17

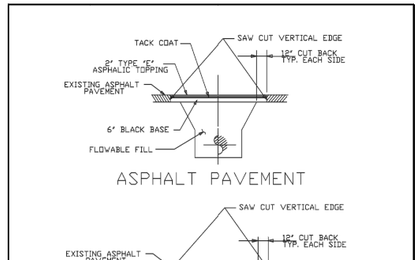


NOTE:
1. FOR 1 1/2" AND 2-INCH SERVICES, MULTIPLE 1-INCH SERVICE LINES SHALL BE PROVIDED BETWEEN WATER MAIN AND WATER METER.
2. NEW SERVICE LINE UNDER ROADWAYS SHALL BE INSTALLED IN A CASING. REPLACEMENT SERVICE LINES MAY BE INSTALLED BY FREE BORE IF EXIST SERVICE IS NOT CASING.

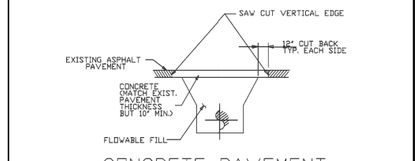
CITY OF ATLANTA DEPARTMENT OF WATERSHED MANAGEMENT	STANDARD DETAILS	DATE: 3/15/2016
	WATER SERVICE AND METER CONNECTION	DRAWN BY: MG REVIEWED BY: – SCALE: N.T.S.
		DETAIL NO.: W-24



CITY OF ATLANTA DEPARTMENT OF WATERSHED MANAGEMENT	STANDARD DETAILS	DATE: 3/15/2016
	TYPICAL WATER MAIN BEDDING & HAUNCHING	DRAWN BY: MG REVIEWED BY: – SCALE: N.T.S.
		DETAIL NO.: W-47A



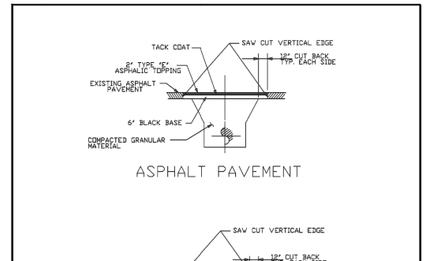
ASPHALT PAVEMENT



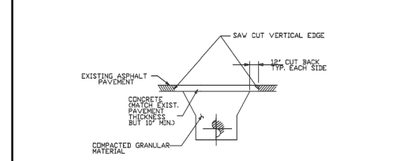
CONCRETE PAVEMENT

NOTE:
TYPE I PAVEMENT REPLACEMENT SHALL BE USED FOR:
1. ALL POINTS REPAIRS
2. ALL TRENCHES, (LONGITUDINAL OR CROSSING INSTALLATIONS) LESS THEN 12-INCHES WIDE AT EXISTING GRADE.
3. ALL TRENCHES FOR ROADWAY CROSSING WHERE THE TRENCH WIDTH AT THE TOP OF THE PIPE IS LESS THAN OR EQUAL TO THREE FEET, AND THE TRENCH DEPTH IS LESS THAN OR EQUAL TO EIGHT FEET.
4. AT CONTRACTOR'S OPTION, IN LIEU OF TYPE III PAVEMENT REPLACEMENT

CITY OF ATLANTA DEPARTMENT OF WATERSHED MANAGEMENT	STANDARD DETAILS	DATE: 3/15/2016
	TYPE 1 PAVEMENT REPLACEMENT	DRAWN BY: MG REVIEWED BY: – SCALE: N.T.S.
		DETAIL NO.: W-42



ASPHALT PAVEMENT



CONCRETE PAVEMENT

NOTES:
TYPE II PAVEMENT REPLACEMENT SHALL BE USED FOR:
1. ALL TRENCHES FOR ROADWAY CROSSING WHICH DO NOT MEET THE CRITERIA FOR TYPE I PAVEMENT REPLACEMENT.
2. ALL TRENCH, (LONGITUDINAL INSTALLATIONS WHICH DO MEET THE CRITERIA FOR TYPE III PAVEMENT REPLACEMENT.
3. AT CONTRACTOR'S OPTION, IN LIEU OF TYPE III PAVEMENT REPLACEMENT.

CITY OF ATLANTA DEPARTMENT OF WATERSHED MANAGEMENT	STANDARD DETAILS	DATE: 3/15/2016
	TYPE II PAVEMENT REPLACEMENT	DRAWN BY: MG REVIEWED BY: – SCALE: N.T.S.
		DETAIL NO.: W-43

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

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

15TH STREET EXTENSION

BENCHMARK MANAGEMENT
101 MARIETTA STREET
SUITE 2000
ATLANTA, GA 30303
TEL: (404) 581-9656
FAX: (404) 581-0158

GRAPHIC SCALE IN FEET
0 5 10 20

REVISION DATES

UTILITY RELOCATION
STANDARD DETAILS

CHECKED:	RC	DATE: 5/12/2020	DRAWING No.
BACKCHECKED:	RC	DATE: 5/12/2020	44-003
CORRECTED:		DATE:	
VERIFIED:		DATE:	

FILE: C:\USERS\BENCHMARK\DESKTOP\NO 15 15TH STREET\15TH STREET DOWS\15TH STREET PLANS.DWG SAVED BY: BENCHMARK SAVE DATE: 7/1/2020 1:42 PM

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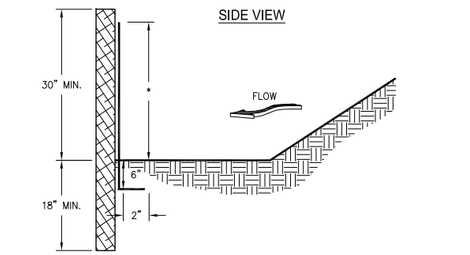
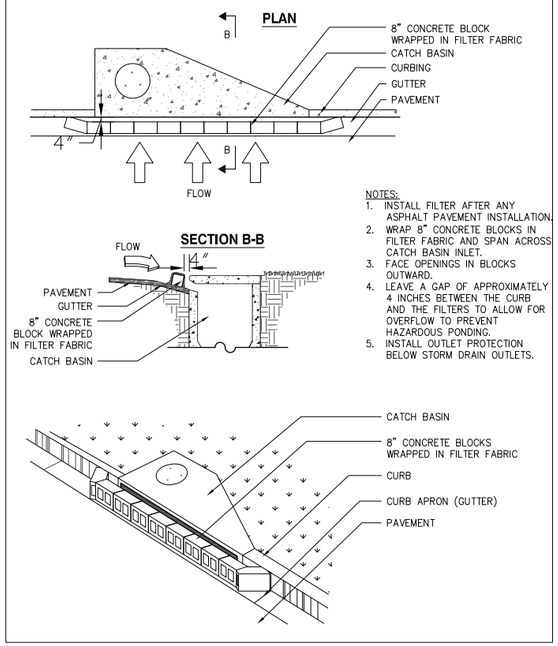
SILT FENCE - TYPE SENSITIVE



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 – SENSITIVE
N.T.S.

CURB INLET FILTER "PIGS IN BLANKET"



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 INLET FILTER "PIGS IN BLANKET"
N.T.S.

STRUCTURAL PRACTICES

CODE		PRACTICE	MAP SYMBOL	DESCRIPTION
Sd1	SEDIMENT BARRIER		X TYPE (indicate type)	A BARRIER TO PREVENT SEDIMENT FROM LEAVING THE CONSTRUCTION SITE. IT MAY BE SANDBAGS, BALES OF STRAW OR HAY, BRUSH, LOGS AND POLES, GRAVEL, OR A SEDIMENT FENCE.
Sd2	SEDIMENT TRAP, TEMPORARY			AN IMPOUNDING AREA CREATED BY EXCAVATING AROUND A STORM DRAIN DROP INLET. THE EXCAVATED AREA WILL BE FILLED AND STABILIZED ON COMPLETION OF CONSTRUCTION ACTIVITIES.

VEGETATIVE MEASURES

Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)		Ds1	ESTABLISHING A TEMPORARY PROTECTION FOR DISTURBED AREAS WHERE SEED MAY NOT HAVE A SUITABLE GROWING SEASON TO PRODUCE AN EROSION RETARDING COVER
Ds2	DISTURBED AREA STABILIZATION (WITH TEMPORARY VEGETATION)		Ds2	ESTABLISHING TEMPORARY VEGETATIVE COVER WITH FAST GROWING SEED ON DISTURBED AREAS.
Ds3	DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)		Ds3	ESTABLISHING PERMANENT VEGETATIVE COVER SUCH AS TREES, SHRUBS, VINES, GRASSES, SOD OR LEGUMES ON DISTURBED AREAS.
Ds4	DISTURBED AREA STABILIZATION (WITH SODDING)		Ds4	A PERMANENT VEGETATIVE COVER USING SOD ON HIGHLY ERODIBLE OR CRITICALLY ERODED LANDS.

VEGETATIVE PLAN

Ds2

(FOR TEMPORARY)				FERTILIZER (LBS./1000 S.F.)
SPECIES	RATE/1000 S.F.	DATES	LIME	10-10-10
RYEGRASS, ANNUAL	1.5 – 2 LBS.	8/1-4/15	NOT REQUIRED	16
*WEEPING LOVEGRASS	2-3 LBS	3/15-6/15	NOT REQUIRED	16

Ds3

(FOR PERMANENT)				FERTILIZER (LBS./ACRE)
SPECIES	RATE/1000 S.F.	DATES	LIME	6-12-12
HULLED BERMUDA	2 LBS.	3/1-7/1	1-2 TONS/ACRE	1500
UNHULLED BERMUDA	2 LBS.	10/1-3/1	1-2 TONS/ACRE	1500
FESCUE	5 – 10 LBS.	8/15-11/1	1-2 TONS/ACRE	1500

*HYDROSEED ON ALL 2:1 (H:V) SLOPES.

NOTE: (1) TEMPORARY STABILIZATION (MULCHING ONLY) WHEN SEEDING WILL NOT HAVE A SUITABLE GROWING SEASON MAY BE ACCOMPLISHED WITH: STRAW OR HAY-2.5 TONS/ACRE
WOOD WASTE, BARK, SAWDUST-2-3" DEEP (APPROX. 6-9 TONS/ACRE)

(2) MULCHING RATE FOR PERMANENT GRASSING – APPLY DRY STRAW AT THE RATE OF TWO TONS PER ACRE. APPLY DRY HAY AT THE RATE OF 2 1/2 TONS PER ACRE.

GENERAL NOTES:

1. EROSION CONTROL MEASURES SHALL BE AT MINIMUM IN CONFORMANCE WITH THE LATEST EDITION OF "THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" BY THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION.
2. ANY AND ALL SILT LEAVING THE SITE IS THE COMPLETE RESPONSIBILITY OF THE CONTRACTOR.
3. ALL EROSION AND SEDIMENT CONTROL DEVICES AND STORMWATER MANAGEMENT DEVICES SHALL BE INSTALLED PRIOR TO INITIATION OF CONSTRUCTION.
4. SILT FENCE SHALL MEET THE REQUIREMENTS OF SECTION 171-TEMPORARY SILT FENCE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF GEORGIA, STANDARD SPECIFICATIONS, LATEST EDITION.
5. EROSION CONTROL MEASURES SHALL 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.
6. AS CONDITIONS DEMAND, REPAIR AND/OR CLEAN OUT ANY STRUCTURES USED TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLE OR SITE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY.
7. ALL SEDIMENT CONTROL WILL BE MAINTAINED UNTIL ALL UPSTREAM GROUND WITHIN THE CONSTRUCTION AREA HAS BEEN COMPLETELY STABILIZED WITH PERMANENT VEGETATION AND ALL ROADS/DRIVEWAYS HAVE BEEN REPAVED.
8. FAILURE TO INSTALL, OPERATE OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED.
9. SEDIMENT/EROSION CONTROL DEVICES SHALL BE CHECKED AFTER EACH STORM EVENT. EACH DEVICE SHALL BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF THE CAPACITY OF THE DEVICE.
10. ALL GRASSING SHALL BE IN ACCORDANCE WITH CHAPTER 6, SECTION III "VEGETATIVE PRACTICES" OF THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA.
11. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD LESS THAT 2 WEEKS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING (Ds1). DISTURBED AREAS LEFT IDLE FOR TWO TO FOUR WEEKS, WILL BE ESTABLISHED TO TEMPORARY VEGETATION (Ds2). DISTURBED AREAS LEFT IDLE FOR FOUR WEEKS OR MORE WILL BE ESTABLISHED TO PERMANENT VEGETATION (Ds3) (Ds4).
12. WHEN HAND PLANTING, MULCH (HAY OR STRAW) SHALL BE UNIFORMLY SPREAD OVER SEEDED AREA WITHIN 24 HOURS OF SEEDING.
13. DURING UNSTABLE GROWING SEASONS, MULCH SHALL BE USED AS A TEMPORARY COVER (Ds1). ON SLOPES THAT ARE 4:1 OR STEEPER, MULCH SHALL BE ANCHORED.
14. THERE ARE NO DISCHARGES OF STORM WATER OR WASTEWATER FROM THE CONSTRUCTION ACTIVITIES OF THE PROJECT INTO IMPAIRED STREAMS SEGMENTS.
15. THERE ARE NO CRITICAL AREAS ANTICIPATED FOR THE PROJECT.
16. SOIL SERIES INCLUDED WITHIN PROJECT SITE: XX-XXX SOIL TYPE.
17. 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.
18. NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50-FOOT UNDISTURBED STREAM BUFFER AS MEASURED FROM THE POINT OF WRESTED VEGETATION WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.

Know what's below. Call before you dig.

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

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

15TH STREET EXTENSION

BENCHMARK MANAGEMENT
101 MARIETTA STREET
SUITE 2000
ATLANTA, GA 30303
TEL: (404) 581-9656
FAX: (404) 581-9158

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0 5 10 20

REVISION DATES

UTILITY RELOCATION
STANDARD DETAILS

CHECKED:	RC	DATE: 5/12/2020	DRAWING No.
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VERIFIED:		DATE:	

P.I. No.

PLANTS, PLANTING RATES, AND PLANTING DATES FOR TEMPORARY COVER OR COMPANION CROPS 1/

SPECIES	BROADCAST RATES 2/ - PLS 3/ PER ACRE	PER 1000 S.F.	RESOURCE AREA 4/	PLANTING DATES J F M A M J J A S O N D	REMARKS
LESPEDEZA, ANNUAL (Lespedeza striata) ALONE	40 LBS.	0.9 LBS.	M-L P C		200,000 SEED PER POUND. MAY VOLUNTEER FOR SEVERAL YEARS. USE INOCULANT EL.
IN MIXTURES	10 LBS.	0.2 LBS.			
LOVEGRASS, WEEPING (Eragrostis curvula) ALONE	4 LBS.	0.1 LBS.	M-L P C		1,500,000 SEED PER POUND. MAY LAST FOR SEVERAL YEARS. MIX WITH SERICEA LESPEDEZA
IN MIXTURES	2 LBS.	0.05 LBS.			
MILLET, BROWNTOP (Panicum fasciculatum) ALONE	40 LBS.	0.9 LBS.	M-L P C		137,000 SEED PER POUND. QUICK DENSE COVER. WILL PROVIDE TOO MUCH COMPETITION IN MIXTURES IF SEEDED AT HIGH RATES.
IN MIXTURES	10 LBS.	0.2 LBS.			
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.
RYEGRASS, ANNUAL (Lolium temulentum) ALONE	40 LBS.	0.9 LBS.	M-L P C		227,000 SEED PER POUND. DENSE COVER. VERY COMPETITIVE AND IS NOT TO BE USED IN MIXTURES.
WHEAT (Triticum aestivum) ALONE	180 LBS.	4.1 LBS.	M-L P C		15,000 SEED PER POUND. WINTERHARDY.
IN MIXTURES	30 LBS.	0.7 LBS.			

NOTES:

1. APPLY TO ALL EXPOSED AREAS WITHIN 14 DAYS OF DISTURBANCE.
2. IF DISTURBED AREAS ARE TO BE LEFT UNDISTURBED FOR LESS THAN 6 MONTHS USE TEMPORARY GRASSING, OTHERWISE USE PERMANENT GRASSING.
3. SOIL TO RECEIVE GRASSING IS TO BE SCARIFIED TO PROVIDE A PLACE FOR THE SEED TO LODGE AND GERMINATE.
4. APPLY AGRICULTURAL LIME AT A RATE OF ONE TON PER ACRE.
5. FOR LOW FERTILITY SOILS, APPLY 500-700 LBS. OF 10-10-10 FERTILIZER PER ACRE. APPLY BEFORE LAND PREPARATION AND INCORPORATE WITH A DISK, RIPPER OR CHISEL.
6. APPLY SEED BY HAND, CYCLONE SEEDER, DRILL CULTIPACKER-SEEDER OR HYDRAULIC SEEDER. RAKE SOIL LIGHTLY TO COVER SEED WHEN APPLIED BY HAND.
7. PROVIDE WATER AS REQUIRED TO GERMINATE AND MAINTAIN A HEALTHY, THICK COVER OF GRASS.

MAINTENANCE REQUIREMENTS:

INSPECT ALL AREAS WHERE TEMPORARY GRASSING HAS BEEN APPLIED. WHERE COVER IS SPARSE, SCARIFY THE AREA, TEST SOIL FERTILITY, APPLY FERTILIZER AS NECESSARY AND RESEED. WHERE EROSION HAS OCCURRED, REGRADE PRIOR TO ABOVE STEPS.

1/ TEMPORARY COVER CROPS ARE VERY COMPETITIVE AND WILL CROWN OUT PERENNIALS IF SEEDED TOO HEAVILY.
2/ REDUCE SEEDING RATES BY 50% WHEN DRILLED.
3/ PLS IS AN ABBREVIATION FOR PURE LIVE SEED.
4/ M-L REPRESENTS THE MOUNTAIN; BLUE RIDGE; AND RIDGES AND VALLEYS MLRA'S
P REPRESENTS THE SOUTHERN PIEDMONT MLRA
C REPRESENTS THE SOUTHERN COASTAL PLAIN; SAND HILLS; BLACK LANDS; AND ATLANTIC COAST FLATWOODS MLRAs

Ds2 TEMPORARY GRASSING

REFER TO THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR FURTHER DETAILS AND SPECIFICATIONS.

FERTILIZER REQUIREMENTS

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.

TYPE OF SPECIES	YEAR	ANALYSIS OR EQUIVALENT N-P-K	RATE	N TOP DRESSING RATE
1.) COOL SEASON GRASSES	FIRST SECOND MAINTENANCE	6-12-12 6-12-12 10-10-10	1500 LBS./AC. 1000 LBS./AC. 400 LBS./AC.	50-100 LBS./AC. 1/2/ -- 30
2.) COOL SEASON AND LEGUMES	FIRST SECOND MAINTENANCE	6-12-12 10-10-10 10-10-10	1500 LBS./AC. 1000 LBS./AC. 400 LBS./AC.	0-50 LBS./AC. 1/ -- --
3.) GROUND COVERS	FIRST SECOND MAINTENANCE	10-10-10 10-10-10 10-10-10	1300 LBS./AC. 1300 LBS./AC. 1100 LBS./AC.	-- -- --
4.) TEMPORARY COVER CROPS SEEDED ALONE	FIRST	10-10-10	500 LBS./AC.	30 LBS./AC. 5/
5.) WARM SEASON GRASSES	FIRST SECOND MAINTENANCE	6-12-12 6-12-12 10-10-10	1500 LBS./AC. 800 LBS./AC. 400 LBS./AC.	50-100 LBS./AC. 2/6/ 50-100 LBS./AC. 2/ 30 LBS./AC
6.) WARM SEASON GRASSES AND LEGUMES	FIRST SECOND MAINTENANCE	6-12-12 10-10-10 10-10-10	1500 LBS./AC. 1000 LBS./AC. 400 LBS./AC.	50 LBS./AC. /6/

PLANTS, PLANTING RATES, AND PLANTING DATES FOR PERMANENT COVER

SPECIES	BROADCAST RATES 1/ - PLS 2/ PER ACRE	PER 1000 S.F.	RESOURCE AREA 3/	PLANTING DATES J F M A M J J A S O N D	REMARKS
BERMUDA, COMMON (Cynodon dactylon) HULLED SEED ALONE	10 LBS.	0.2 LBS.	P C		1,787,000 SEED PER POUND. QUICK COVER. LOW GROWING AND SOD FORMING. FULL SUN. GOOD FOR ATHLETIC FIELDS.
WITH OTHER PERENNIALS	6 LBS.	0.1 LBS.			
BERMUDA, COMMON (Cynodon dactylon) UNHULLED SEED W/ TEMP COVER	10 LBS.	0.2 LBS.	P C		PLANT WITH WINTER ANNUALS. PLANT WITH TALL FESCUE.
WITH OTHER PERENNIALS	6 LBS.	0.1 LBS.			
BERMUDA SPRIGS (Cynodon dactylon) COASTAL, COMMON, MIDLAND, OR TIFT 44	40 C.F. OR SOD PLUGS 3' x 3'	0.9 C.F.	M-L P C		A CUBIC FOOT CONTAINS APPROXIMATELY 650 SPRIGS. A BUSHEL CONTAINS 1.25 CUBIC FEET OR APPROXIMATELY 800 SPRIGS.
COASTAL, COMMON, OR TIFT 44					SAME AS ABOVE.
TIFT 78			C		SOUTHERN COASTAL PLAIN ONLY.
CENTIPEDE (Eremochloa ophiuroides)	BLOCK SOD ONLY		P C		~~DROUGHT TOLERANT. FULL SUN OR~~ PARTIAL SHADE. EFFECTIVE ADJACENT TO CONC. AND IN CONCENTRATED FLOW AREAS. IRRIGATION IS NEEDED UNTIL FULLY ESTABLISHED. DO NOT PLANT NEAR PASTURES. WINTERHARDY AS FAR NORTH AS ATHENS AND ATLANTA.
CROWNVETCH (Coronilla varia)	15 LBS.	0.3 LBS.	M-L P		100,000 SEED PER POUND. DENSE GROWTH. ATTRACTIVE ROSE, PINK, AND WHITE BLOSSOMS SPRING TO LATE FALL. MIX W/ 30 LBS. OF TALL FESCUE OR 15 LBS. OF RYE. INOCULATE SEED WITH M INOCULANT. USE FROM NORTH ATLANTA AND ~~NORTHWARD~~.
WITH WINTER ANNUALS OR COOL SEASON GRASSES					~~227,000 SEED PER POUND. USE ALONE~~ ONLY ON BETTER SITES. NOT FOR DROUGHTY SOILS. MIX WITH PERENNIAL LESPEDEZAS OR CROWNVETCH. APPLY TOPDRESSING IN SPRING FOLLOWING FALL PLANTING. NOT FOR HEAVY USE AREAS OR ATHLETIC FIELDS.
FESCUE, TALL (Festuca arundinacea) ALONE	50 LBS.	1.1 LBS.	M-L P		
W/ OTHER PERENNIALS	30 LBS.	0.7 LBS.			
LOVEGRASS, WEEPING (Eragrostis curvula) ALONE	4 LBS.	0.1 LBS.	M-L P C		1,500,000 SEED PER POUND. QUICK COVER. DROUGHT TOLERANT. GROWS WELL WITH SERICEA LESPEDEZA ON ROADBANKS.
W/ OTHER PERENNIALS	2 LBS.	0.05 LBS.			

SOLID LINES INDICATE OPTIMUM DATES, DOTTED LINES INDICATE PERMISSIBLE BUT MARGINAL DATES.

1/ REDUCE SEEDING RATES BY 50% WHEN DRILLED.
2/ PLS IS AN ABBREVIATION FOR PURE LIVE SEED. REFER TO SECTION V.E. OF THESE SPECIFICATIONS.
3/ M-L REPRESENTS THE MOUNTAIN; BLUE RIDGE; AND RIDGES AND VALLEYS MLRA'S
P REPRESENTS THE SOUTHERN PIEDMONT MLRA
C REPRESENTS THE SOUTHERN COASTAL PLAIN; SAND HILLS; BLACK LANDS; AND ATLANTIC COAST FLATWOODS MLRAs

NOTES:

1. PERMANENT GRASSING SHALL BE APPLIED TO GRADED AREAS THAT WILL BE UNDISTURBED FOR MORE THAN 6 MONTHS.
2. APPLY TO ALL AREAS IMMEDIATELY AFTER THEY HAVE REACHED FINAL GRADE.
3. APPLY AGRICULTURAL LIME AT A RATE OF 1-2 TONS PER ACRE UNLESS SOIL TESTS INDICATE OTHERWISE.
4. RYE GRASS SHALL NOT BE USED IN ANY SEEDING MIXTURE CONTAINING PERENNIAL SPECIES DUE TO ITS ABILITY TO OUT-COMPETE DESIRED SPECIES CHOSEN FOR PERMANENT PERENNIAL COVER.
5. FOR HYDRAULIC SEEDING, MIX SEED, FERTILIZER AND WOOD CELLULOSE OR WOOD PULP FIBER WITH WATER AND APPLY IN SLURRY UNIFORMLY OVER THE TREATED AREA. APPLY WITHIN 1 HOUR OF MIXING. MULCH IS TO BE APPLIED AT A RATE OF 400 LBS. PER ACRE.
6. FOR CONVENTIONAL SEEDING USE A CULTIPACKER-SEEDER, DRILL, ROTARY SEEDER, OTHER MECHANICAL SEEDER OR HAND SEED UNIFORMLY OVER THE TREATED AREA. LIGHTLY COVER THE SEED WITH $\frac{1}{8}$" TO $\frac{1}{4}$" OF SOIL. PROVIDE TEMPORARY MULCHING WITHIN 24 HOURS OF SPREADING SEED. MULCH SHALL COVER 75% OF THE SOIL SURFACE.

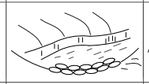
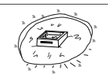
MAINTENANCE REQUIREMENTS:

PROVIDE PERIODIC INSPECTIONS AND AFTER EACH RAINFALL EVENT AND REGRASS AREAS THAT ARE BARE OR HAVE ERODED. EXCLUDE TRAFFIC ON GRASSED AREAS UNTIL GRASS IS ESTABLISHED. MOW AS REQUIRED.

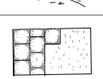
Ds3 PERMANENT GRASSING

REFER TO THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR FURTHER DETAILS AND SPECIFICATIONS.

STRUCTURAL PRACTICES

CODE	PRACTICE	MAP SYMBOL	DESCRIPTION
Sd1 SEDIMENT BARRIER		X---X TYPE (Indicate type)	A BARRIER TO PREVENT SEDIMENT FROM LEAVING THE CONSTRUCTION SITE. IT MAY BE SANDBAGS, BALES OF STRAW OR HAY, BRUSH, LOGS AND POLES, GRAVEL, OR A SEDIMENT FENCE.
Sd2 SEDIMENT TRAP, TEMPORARY			AN IMPOUNDING AREA CREATED BY EXCAVATING AROUND A STORM DRAIN DROP INLET. THE EXCAVATED AREA WILL BE FILLED AND STABILIZED ON COMPLETION OF CONSTRUCTION ACTIVITIES.

VEGETATIVE MEASURES

Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)		Ds1	ESTABLISHING A TEMPORARY PROTECTION FOR DISTURBED AREAS WHERE SEED MAY NOT HAVE A SUITABLE GROWING SEASON TO PRODUCE AN EROSION RETARDING COVER
Ds2	DISTURBED AREA STABILIZATION (WITH TEMPORARY VEGETATION)		Ds2	ESTABLISHING TEMPORARY VEGETATIVE COVER WITH FAST GROWING SEED ON DISTURBED AREAS.
Ds3	DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)		Ds3	ESTABLISHING PERMANENT VEGETATIVE COVER SUCH AS TREES, SHRUBS, VINES, GRASSES, SOD OR LEGUMES ON DISTURBED AREAS.
Ds4	DISTURBED AREA STABILIZATION (WITH SODDING)		Ds4	A PERMANENT VEGETATIVE COVER USING SOD ON HIGHLY ERODIBLE OR CRITICALLY ERODED LANDS.

VEGETATIVE PLAN

Ds2

(FOR TEMPORARY)

SPECIES	RATE/1000 S.F.	DATES	LIME
RYEGRASS, ANNUAL	1.5 - 2 LBS.	8/1-4/15	NOT REQUIRED
*WEEPING LOVEGRASS	2-3 LBS	3/15-6/15	NOT REQUIRED

Ds3

(FOR PERMANENT)

SPECIES	RATE/1000 S.F.	DATES	LIME
HULLED BERMUDA	2 LBS.	3/1-7/1	1-2 TONS/ACRE
UNHULLED BERMUDA	2 LBS.	10/1-3/1	1-2 TONS/ACRE
FESCUE	5 - 10 LBS.	8/15-11/1	1-2 TONS/ACRE

*HYDROSEED ON ALL 2:1 (H:V) SLOPES.

NOTE: (1) TEMPORARY STABILIZATION (MULCHING ONLY) WHEN SEEDING WILL NOT HAVE A SUITABLE GROWING SEASON MAY BE ACCOMPLISHED WITH: STRAW OR HAY-2.5 TONS/ACRE
WOOD WASTE, BARK, SAWDUST-2-3" DEEP (APPROX. 6-9 TONS/ACRE)

(2) MULCHING RATE FOR PERMANENT GRASSING - APPLY DRY STRAW AT THE RATE OF TWO TONS PER ACRE. APPLY DRY HAY AT THE RATE OF 2 1/2 TONS PER ACRE.

UTILITIES PROTECTION CENTER
CALL BEFORE YOU DIG!
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1-800-282-7411
IN METRO ATLANTA
770-623-4344
THREE WORKING DAYS BEFORE YOU DIG

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

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

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

15TH STREET EXTENSION

BENCHMARK MANAGEMENT
101 MARIETTA STREET
SUITE 2000
ATLANTA, GA 30303
TEL: (404) 581-9656
FAX: (404) 581-9158

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REVISION DATES

UTILITY RELOCATION
STANDARD DETAILS

CHECKED:	RC	DATE:	5/12/2020	DRAWING No.
BACKCHECKED:	RC	DATE:	5/12/2020	44-005
CORRECTED:		DATE:		
VERIFIED:		DATE:		

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Table 6H-2. Meaning of Symbols on Typical Application Diagrams

Arrow board	Shadow vehicle
Arrow board support or trailer (shown facing down)	Sign (shown facing left)
Changeable message sign or support trailer	Surveyor
Channelizing device	Temporary barrier
Crash cushion	Temporary barrier with warning light
Direction of temporary traffic detour	Traffic or pedestrian signal
Direction of traffic	Truck-mounted attenuator
Flagger	Type 3 barricade
High-level warning device (Flag tree)	Warning light
Longitudinal channelizing device	Work space
Luminaire	Work vehicle
Pavement markings that should be removed for a long-term project	

Table 6H-3. Meaning of Letter Codes on Typical Application Diagrams

Road Type	Distance Between Signs**		
	A	B	C
Urban (low speed)*	100 feet	100 feet	100 feet
Urban (high speed)*	350 feet	350 feet	350 feet
Rural	500 feet	500 feet	500 feet
Expressway / Freeway	1,000 feet	1,500 feet	2,640 feet

* Speed category to be determined by highway agency

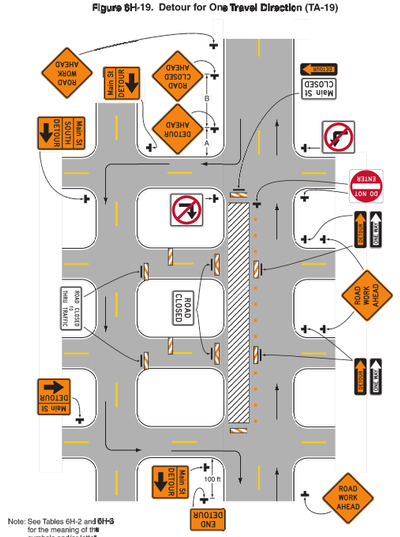
** The column headings A, B, and C are the dimensions shown in Figures 6H-1 through 6H-46. The A dimension is the distance from the transition or point of restriction to the first sign. The B dimension is the distance between the first and second signs. The C dimension is the distance between the second and third signs. (The "first sign" is the sign in a three-sign series that is closest to the TTC zone. The "third sign" is the sign that is furthest upstream from the TTC zone.)

Table 6H-4. Formulas for Determining Taper Length

Speed (S)	Taper Length (L) in feet
40 mph or less	$L = \frac{WS^2}{60}$
45 mph or more	$L = WS$

Where: L = taper length in feet
W = width of offset in feet
S = posted speed limit, or off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed in mph

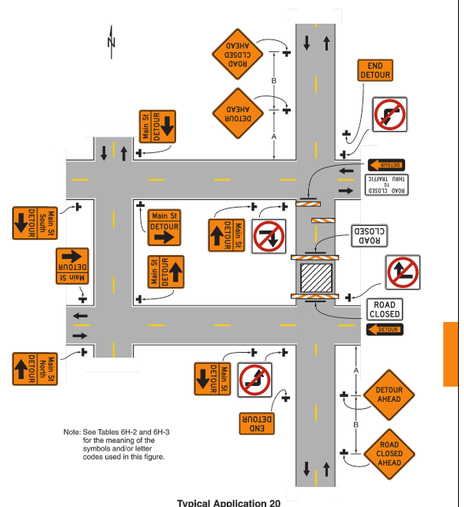
Figure 6H-19. Detour for One Travel Direction (TA-19)



Note: See Tables 6H-2 and 6H-3 for the meaning of the symbols and/or letter codes used in this figure.

Typical Application 19

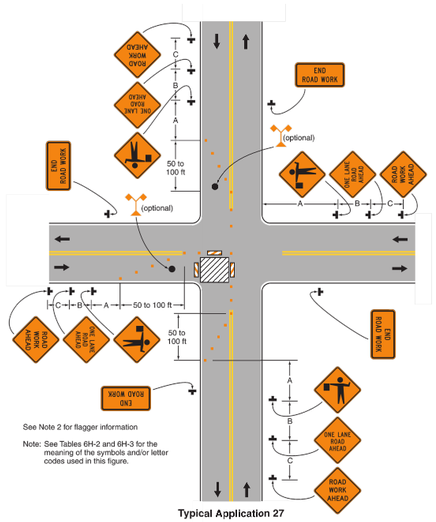
Figure 6H-20. Detour for a Closed Street (TA-20)



Note: See Tables 6H-2 and 6H-3 for the meaning of the symbols and/or letter codes used in this figure.

Typical Application 20

Figure 6H-27. Closure at the Side of an Intersection (TA-27)

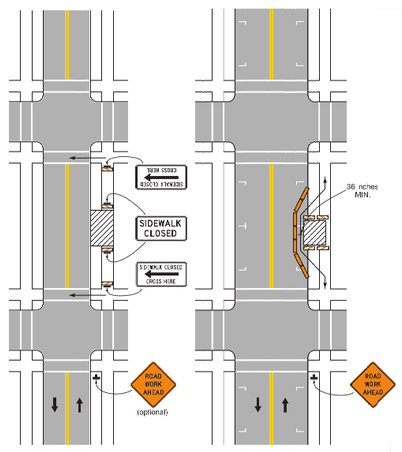


See Note 2 for flagger information

Note: See Tables 6H-2 and 6H-3 for the meaning of the symbols and/or letter codes used in this figure.

Typical Application 27

Figure 6H-28. Sidewalk Detour or Diversion (TA-28)



Typical Application 28

Note: See Tables 6H-2 and 6H-3 for the meaning of the symbols and/or letter codes used in this figure.

NOTES:

1. ALL TRAFFIC CONTROL DEVICES SHALL BE MADE AND ERECTED IN ACCORDANCE WITH THE DETAILS SHOWN ON THE DRAWINGS , THE MUTCD, AND THE GEORGIA DOT STANDARD SPECIFICATION.
2. ALL TRAFFIC CONTROL DEVICES SHALL BE AS SHOWN, OR AS DIRECTED BY THE ENGINEER, ADDITIONAL DEVICES MAY BE REQUIRED AS DIRECTED BY THE ENGINEER.
3. ALL PORTABLE MOUNTED SIGNS SHALL BE MOUNTED SO THAT THE BOTTOM OF THE SIGN WILL BE BETWEEN 1' AND 5' ABOVE THE PAVEMENT EDGE. ALL TEMPORARY POST MOUNTED SIGNS SHALL BE MOUNTED SO THAT THE BOTTOM OF THE SIGN WILL BE 5' MINIMUM ABOVE PAVEMENT EDGE OR 7' MINIMUM, IF ROADWAY CONDITIONS DICTATE.
4. POLICE OFFICERS AND FLAGGERS SHALL BE PROVIDED AS NECESSARY TO REGULATE TRAFFIC THRU THE CONSTRUCTION ZONE.
5. THE SIGN LOCATION SPACING MAY BE VARIED FROM THE DIMENSIONS SHOWN DUE TO INTERSECTION OF ROADS AND DRIVEWAYS.
6. WHEN NOT IN USE, PORTABLE SIGNS SHALL BE REMOVED OR LOCATED A MINIMUM OF 25 FEET FROM THE PAVEMENT EDGE AND AND PLACED SO THAT THE MESSAGE IS NOT VISIBLE TO MOTORIST.
7. THE PRIMARY TRAFFIC CONTROL MEASURE DURING TRENCHING OPERATIONS SHALL BE DETOUR FOR ONE DIRECTION TRAVEL. REFER TO MUTCD FIGURE 6H-19. (TRAFFIC VOLUME WILL VARY TEMPORALLY THROUGHOUT THE DAY AND SPATIALLY ON EITHER SIDE OF SPRING STREET AND WILLIAMS STREET.)
8. FOR ANY WORK THAT MUST BE PERFORMED ON SIDEWALKS, REFER TO MUTCD FIGURE 6H-28.

Know what's below. Call before you dig.

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

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

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BENCHMARK MANAGEMENT
101 MARIETTA STREET
SUITE 2000
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FAX: (404) 581-0158

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BACKCHECKED:	RC	DATE: 5/12/2020	44-006
CORRECTED:		DATE:	
VERIFIED:		DATE:	

P.I. No.

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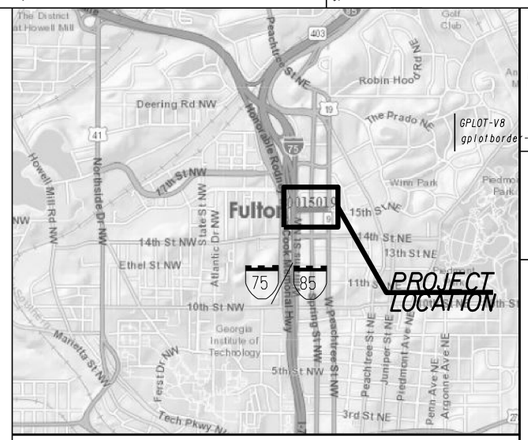


LOCATION SKETCH N.T.S.

This project has been prepared using the Horizontal Georgia Coordinate System of (NAD)/ Zone, and the North American Vertical Datum (NAVD) of .

CITY OF ATLANTA

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN

FROM SR 9/WEST PEACHTREE STREET TO CS 673/WILLIAMS STREET

"I certify that this Erosion, Sedimentation and Pollution Control Plan has been prepared in accordance with Part IV, of the General NPDES Permit No. GAR100002."

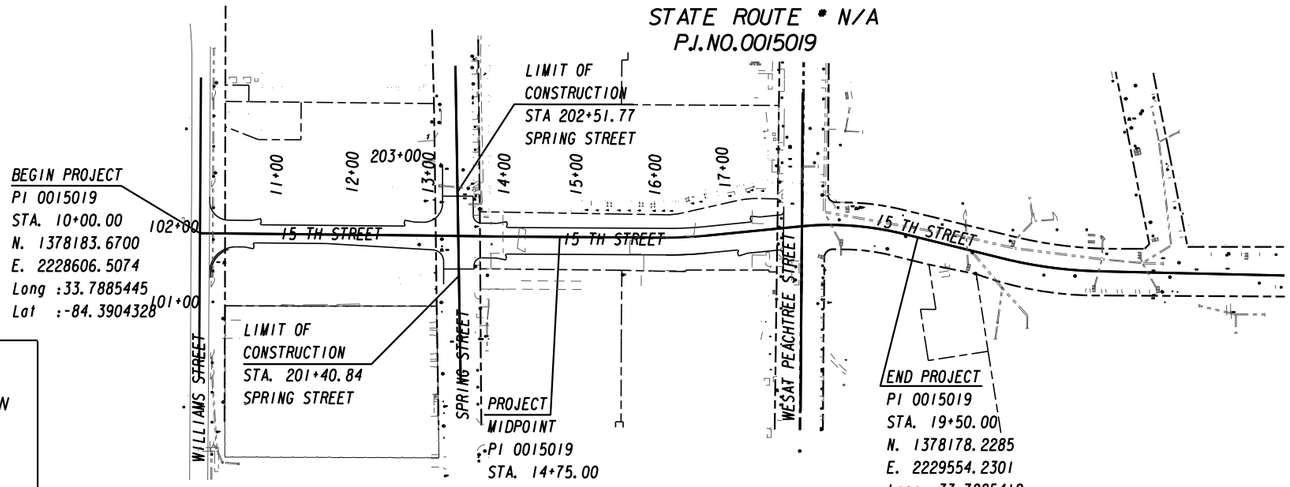
"I certify that the permittee's Erosion, Sedimentation and Pollution Control Plan provides for an appropriate and comprehensive system of best management practices required by the Georgia Water Quality Control Act and the document "Manual for Erosion and Sediment Control in Georgia" (Manual) published 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 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. GAR100002."

"I certify that the permittee's Erosion, Sedimentation and Pollution Control Plan provides for the monitoring of: (a) all perennial and intermittent streams and other water bodies shown on the USGS topographic map and all other field verified perennial and intermittent streams and other water bodies, or (b) where any such specific identified perennial or intermittent stream and other water body is not proposed to be sampled, I have determined in my professional judgment, utilizing the factors required in the General NPDES Permit No. GAR100002, that the increase in the turbidity of each specific identified sampled receiving water will be representative of the increase in the turbidity of a specific identified un-sampled receiving water."

"I certify under penalty of law that this plan was prepared after a site visit to the location described herein by myself or my authorized agent, under my direct supervision."

FEDERAL AID PROJECT

FEDERAL ROUTE * N/A
STATE ROUTE * N/A
P.I. NO. 0015019



BEGIN-POINT COORDINATES
Longitude: 33.788533
Latitude: -84.390433
MID-POINT COORDINATES
Longitude: 33.7885267
Latitude: -84.3888
END-POINT COORDINATES
Longitude: 33.7885412
Latitude: -84.3873756

PRIMARY PERMITTEE

GEORGIA DEPARTMENT OF TRANSPORTATION
600 West Peachtree Street North West
Atlanta, Georgia 30308
Phone: (404) 631-1990
Email: espcp@dot.ga.gov

GEORGIA REGISTERED PROFESSIONAL ENGINEER RICHARD E. BOSTON

24 HOUR CONTACT:

Name

Street Address

City. State Zip

Phone Number

Email Address

Contractor shall complete the information in this box.

03-29-2021	Richard E Boston	0000009077
Date:	RICHARD BOSTON, PE	GSWCC LEVEL II Certification Number

PLANS COMPLETED 03-29-2021

REVISIONS

DATE	ENTITY REQUESTING REVISION(S)	DRAWING NUMBER(S)	SIGNATURE	GSWCC LEVEL II CERT.#
07-27-2021	GEORGIA EPD	51-0003, 53-0002, 54-0002		0000009077
09-13-2021	GEORGIA EPD	54-0001, 54-0002		0000009077
10-01-2021	GEORGIA EPD	54-0002, 54-0004, 54-0006, 54-0006A, 54-0008, 54-0008A		0000009077
- -				
- -				
- -				
- -				

DRAWING No. 50-0001

EROCOV

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST
INFRASTRUCTURE CONSTRUCTION PROJECTS

SWCD:_____FULTON COUNTY SWCD

Project Name:____15TH STREET EXTENSION Address:_____

City/County:_____FULTON Date on Plans:_____3/29/2021

Name & email of person filling out checklist: Richard Boston richard.boston@jacobs.com_____

Plan Page #	Included Y/N		TO BE SHOWN ON ES&PC PLAN
51-0001	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)
50-0001	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)
50-0001	Y	3	The name and phone number of the 24-hour contact responsible for erosion, sedimentation and pollution controls.
50-0001	Y	4	Provide the name, address, email address, and phone number of primary permittee.
53-0001	Y	5	Note total and disturbed acreages of the project or phase under construction.
54-ALL	Y	6	Provide the GPS locations of the beginning and end of the Infrastructure project. Give the Latitude and Longitude in decimal degrees.
50-0001	Y	7	Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.
51-0002	Y	8	Descriptions of the nature of construction activity and existing site conditions.
53-0001-55-0001	Y	9	Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.
53-0001-55-0001	Y	10	Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected.
50-0001	Y	11	Design professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as stated on **Part IV page 21** of the permit.
50-0001	Y	12	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 **Part IV page 20** of the permit. *
50-0001	Y	13	Design professional certification statement and signature that the permittee's ES&PC Plan provides for representative sampling as stated on **Part IV.D.6.c.(3) page 37** of the permit as applicable. *
51-0003	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, perimeter control BMPs, and sediment basins within 7 days after installation." in accordance with **Part IV.A.5 page 26** of the permit. *
51-0003	Y	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."
51-0003	Y	16	Provide a description of any buffer encroachments and indicate whether a buffer variance is required.
51-0002	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." *
51-0002	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." *
51-0002	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."
51-0002	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."
51-0002	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."
51-0002	Y	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 a 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 (dentified 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. *
51-0002	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. *
51-0002	Y	25	Provide BMPs for the remediation of all petroleum spills and leaks.
51-0002	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. *
51-0002	Y	27	Description of practices to provide cover for building materials and building products on site. *
51-0002	Y	28	Description of the practices that will be used to reduce the pollutants in storm water discharges. *
51-0002	Y	29	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).
51-0003	Y	30	Provide complete requirements of Inspections and record keeping by the primary permittee. *
51-0003	Y	31	Provide complete requirements of Sampling Frequency and Reporting of sampling results. *
51-0003	Y	32	Provide complete details for Retention of Records as per Part IV.F. of the permit. *
51-0003	Y	33	Description of analytical methods to be used to collect and analyze the samples from each location. *
51-0003	Y	34	Appendix B rationale for NTU values at all outfall sampling points where applicable. *
53-0001 &55-0001	Y	35	Delineate all sampling locations, perennial and intermittent streams and other water bodies into which storm water is discharged also provide a summary chart of the justification and analysis for the representative sampling as applicable. *
51-0002	Y	36	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. *
54-ALL	Y	37	Graphic scale and North arrow.
54-ALL	Y	38	Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following:
N/A	N/A	39	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 GAEPD or the Georgia Soil and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document found at www.gaswcc.georgia.gov.
N/A	N/A	40	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. *
54-ALL	Y	41	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.
54-ALL	Y	42	Delineation of on-site wetlands and all State waters located on and within 200 feet of the project site.
53-0001	Y	43	Delineation and acreage of contributing drainage basins on the project site.
53-0001	Y	44	Delineate on-site drainage and off-site watersheds using USGS 1" :2000' topographical sheets.
53-0001	Y	45	An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed.
53-0001	Y	46	Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points.
51-0002	Y	47	Soil series for the project site and their delineation.
54-ALL	Y	48	The limits of disturbance for each phase of construction.
51-0002	Y	49	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 must be included for structural BMPs and all calculations used by the design professional to obtain the required sediment storage 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.
54-ALL	Y	50	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.
56-ALL	Y	51	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.
51-0002	Y	52	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 year that seeding will take place and for the appropriate geographic region of Georgia.

Existing Contours	USGS 1" 2000' Topographical Sheets
Proposed Contours	1" : 400' Centerline Profile

klist for a project that is less than 1 acre and not part of a common development
hin 200 ft of a perennial stream, the * checklist items would be N/A.

Effective January 1, 2021

Jacobs

REVISION DATES

ESPCP GENERAL NOTES

15TH STREET EXTENSION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		51-0001
VERIFIED:		DATE:		

ESPCP GENERAL NOTES

The escape of sediment from the project site shall be prevented by the installation of erosion and sediment control measures and practices prior to land-disturbing activities.

Erosion and sedimentation control measures will be maintained at all times. If full implementation of the approved plan does not provide for effective control, additional erosion and sedimentation control measures shall be implemented to control or treat the sediment source.

ESPCP ALTERATIONS

This Erosion, Sedimentation, and Pollution Control Plan (ESPCP) is provided by the Department. It addresses the staged construction of the project on the basis of common construction methods and techniques. If the Contractor elects to alter the staged construction from that shown in the plans or utilize construction techniques that render this plan ineffective, the Contractor shall revise the plans in accordance to Special Provision 161-Control of Soil Erosion and Sedimentation of the contract.

The Contractor, the Certified Design Professional, and the WECS shall carefully evaluate this plan prior to commencing land-disturbing activities. Admendments/revisions to the ESPCP which have a significant effect on BMPs with a hydraulic component requires a formal revision of the ESPCP and the signature of a GSWCC Level-II Certified Design Professional. Additional BMPs may be added per Special Provision 161-Control of Soil Erosion and Sedimentation.

CONSTRUCTION SCHEDULE AND SEQUENCE OF MAJOR ACTIVITIES

The Contractor is responsible for developing the construction schedule for the project. The construction schedule for this project shall be submitted after the project is awarded along with the NOI. A copy of the construction schedule shall be maintained at the project site.

The project budget includes sufficient funds for the payment of construction exits. The Contractor is responsible for establishing at least one (1) construction exit per the specifications of the construction exit detail included in this ESPCP to minimize or eliminate the vehicle tracking of dirt, soils, and sediments off site. To facilitate project logistics, the Contractor is also responsible for selecting the location(s) of the construction exits(s).

INITIAL PHASE

Install construction exits as determined by the Contractor. Immediately after the establishment of the construction exits, install perimeter fencing around the project limits where existing drainage patterns will allow on-site water to leave site using a double layer of Type C silt fence. The silt fence should be maintained at all times and repaired when requested by the site inspector. Silt should be removed when accumulation reaches half the height of the fence. Inlet sediment protection measures shall be installed on all existing storm structures as shown in the plans. If unforeseen conditions exist in the field that warrant additional erosion control measures, the contractor must contact a design professional to re-design the BMPs. The contractor is responsible for installing what the design professional designs.
Perimeter BMP's shall be installed in areas covered with concrete/asphalt once it has been removed, prior to grading operation.

INTERMEDIATE PHASES STAGE 1

Install the following according to the BMP location details:
-Type C silt fence at the toe of all fill slopes. The silt fence should be maintained at all times. Silt should be removed when accumulation reaches half the height of the fence. Inlet sediment traps on all storm structures as they are constructed.
Temporary grassing shall be installed as shown in the plans.

INTERMEDIATE PHASES STAGE 2 AND STAGE 3

Maintain all the BMP instaled in the initial and intermidiate Phase 1.

FINAL PHASE

Install permanent erosion control measures including permanent grassing and sodding. Some final phase measures may be installed during the intermediate phase if final grade has been obtained. See plans for details.

SITE STABLIZATION AND VEGETATION PLANTING SCHEDULE

The EPD General NPDES GAR100002 permit states that any disturbed area where construction activities have temporarily or permanently ceased shall be stabilized within 14 days of such cessation or as soon as practicable if precluded by adverse weather conditions. However in special cases, the Project Engineer may require the contractor to perform stabilization more often than 14 days.

Disturbed areas shall be stabilized with suitable material listed in the current edition of the Department's Standard Specifications (or Special Provisions) Sections 161, 163, 700, or 711 on the basis of when construction activities are expected to resume.

All temporary and permanent vegetative practices including plant species, planting dates, seeding, fertilizing, liming, and mulching rates for this project can be found in Section 700 of the current edition of the Department's Standard Specifications (or Special Provisions) and other applicable contract documents or landscaping plans.

BMP INSTALLATION AND MAINTENANCE MEASURES

See the Department's Standard Specifications (or Special Provisions) 161, 163, 165, 700, 711, and other contract documents for installation and maintenance measures.

PETROLEUM STORAGE, SPILLS AND LEAKS

These plans expressly delegate the responsibility of proper on-site hazardous material management to the Contractor. The Contractor shall at a minimum provide an action plan and keep the necessary materials on site for the capture, clean up, and disposal of any petroleum product, or other hazardous material, leaks or spills associated with the servicing, refueling or operation of any equipment utilized at the site. A copy of the action plan shall be submitted to the Project Engineer and maintained on the project site. All personnel operating or servicing equipment shall be familiar with the action plan. The Contractor shall not park, refuel, or maintain equipment within stream buffers.

If the Contractor elects to store petroleum products on site, the Contractor shall prepare an ESPCP addendum that addresses the additional BMPs needed for on site storage and spill prevention for petroleum products. This plan shall be prepared by a Certified Design Professional as required by GAR100002 for inclusion with these plans. The Contractor's attention is specifically directed to Standard Specification 107-Legal Regulations and Responsibility to the public for additional requirements.

WASTE DISPOSAL

Where attainable, locate waste collection areas, dumpsters, trash cans and portable toilets at least 50 feet away from streets, gutters, watercourses and storm drains. Secondary containment shall be provided around liquid waste collection areas to minimize the likelihood of contaminated discharges. The Contractor shall comply with applicable state and local waste storage and disposal regulations and obtain all necessary permits. Solid materials, including building materials, shall not be discharged to Waters of the State, unless authorized by a Section 404 Permit.

DEWATERING AND PUMPING ACTIVITIES

Any pumped discharge from an excavation or disturbed area shall be routed through an appropriately sized sediment basin, silt filter bag, or shall be treated equivalently with suitable BMP's. The contractor shall ensure the post BMP treated discharge is sheet flowing. Failure to create sheet flow will obligate the contractor to perform water quality sampling of pumped discharges. The contractor shall prepare sampling plans in accordance with the current GAR100002 NPDES permit by utilizing a Certified Design Professional. No separate payment will be made for water quality sampling of pump discharges.

NONSTORMWATER DISCHARGES

Nonstormwater discharges defined in Part III.A.2 of the NPDES Permit will be identified after construction has commenced. These discharges shall be subject to the same requirements as storm water discharges required by the Georgia Erosion and Sedimentation Control Act, the NPDES Permit, the Clean Water Act, the Manual for Erosion and Sediment Control in Georgia, Department Standards, and other contract documents. The NPDES does not authorize the discharge of soaps or solvents used in vehicle and equipment washing or the discharge of wastewater containing stucco, paint, oils, curing compounds, and other construction materials.

READY MIX CHUTE WASH DOWN

The washing of ready-mix concrete drums and dump truck bodies used in the delivery of Portland cement concrete is prohibited on this site.

In accordance with Standard Specification 107: Legal Regulations and Responsibility to the Public, only the discharge chute utilized in the delivery of Portland cement concrete may be rinsed free of fresh concrete remains. The Contractor shall excavate a pit outside of State water buffers, at least 25 feet from any storm drain and outside of the travelled way, including shoulders, for a wash-down pit. The pit shall be large enough to store all wash-down water without overtopping. Immediately after the wash-down operations are completed and after the wash-down water has soaked into the ground, the pit shall be filled in, and the ground above it shall be graded to match the elevation of the surrounding areas. Alternate wash-down plans must be approved by the Project Engineer.

Wash-down plans describe procedures that prevent wash-down water from entering streams and rivers. Never dispose of wash-down water down a storm drain. Establish a wash-down pit that includes the following: (1) a location away from any storm drain, stream, or river, (2) access to the vehicle being used for wash down, (3) sufficient volume for wash-down water, and (4) permission to use the area for wash down.

On sites where permission or access to excavate a wash-down pit is unavailable, the Contractor may have to wash-down into a sealable 55-gallon drum or other suitable container and then transport the container to a proper disposal site. For additional information, refer to the Georgia Small Business Environmental Assistance Program's "A Guide for Ready Mix Chute/Hopper Wash-down".

OTHER CONTROLS

If the Contractor elects to store building material, building products, construction waste, trash, landscape materials, fertilizers, pesticides, herbicides, detergents, sanitary waste, and other materials on the site, the Contractor shall provide an appropriate covering to minimize the exposure of those materials or products to precipitation and stormwater to minimize the discharge of pollutants. Minimization of exposure is not required in cases where exposure to precipitation and to stormwater will not result in a discharge of pollutants, or where exposure of the specific material or product poses little risk to stormwater contamination or is intended for outdoor use.

The Contractor shall follow this ESPCP and ensure and demonstrate compliance with all applicable State and/or local regulations for waste disposal, sanitary sewer and septic systems, and petroleum storage.

The Contractor shall control dust from the site in accordance with Section 161 of the current edition of the Department's Standard Specifications.

POST CONSTRUCTION BMPs FOR STORMWATER MANAGEMENT

All permanent postconstruction BMPs are shown in the construction plans and in the ESPCP plan. The postconstruction BMPs for this project consist of a proposed bioslope, rlprap at pipe outlets for velocity dissipation and outlet stabilization and permanent grassing and sodding. The postconstruction BMPs will provide permanent stabilization of the site and prevent abnormal transportation of sediment and pollutants into receiving waters.

SOIL SERIES INFORMATION

The following is a summary of the soils that are expected to be found on the project site:

Map Unit Symbol	Map Unit Name	Erosion Hazard Rating	Component Name (percent)	Acres in AOI	Percent of AOI
Ub	Urban Land	LOW	N/A	1.0	100%

Refer to Plan Sheet 53-0003 to Soil Map.

The NRCS soil survey and soil series maps for the project site are also available online at http://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm.

SILT FENCE INSTALLATION WITH J HOOKS AND SPURS

Silt fence should never be run continuously. The silt fence should turn back into the fill or slope to create small pockets that trap silt and force stormwater to flow through the silt fence. This technique is called using J hooks (or spurs). The J hooks shall be utilized on all silt fences that are located around the perimeter of the project and along the toe of embankments or slopes. The J hooks shall be spaced in accordance with GDOT Construction Detail D-24C. The maximum J-hook spacing is reached when the top of the J hook is at the same elevation as the bottom of the immediately upgradient J hook. J Hooks shall be paid for as silt fence items per linear foot. All costs and other incidental items are included in cost of installing and maintaining the silt fence.

SEDIMENT STORAGE

The site has a total area of 2.25 acres.

The site has a total disturbed area of 1.52 acres.

The following table summarizes the required and available sediment storage for every outfall on this project. The Contractor shall provide and maintain the storage volumes for the BMP's specified in this table.

OUTFALL I.D.	Location	Offset and Side	Total Drainage Area (acres)	Disturbed Area (acres)	Required Sediment Storage Volume (yd^3)	Total Storage Volume Provided (yd^3)	Check Dam (0.6 yd^3/each)		Inlet Sediment Traps (2.2 yd^3/each)		Silt Gates (3.0 yd^3/each)		Silt Fence (0.3 yd^3/ft)	
							# of Devices	Total Volume (yd^3)	# of Devices	Total Volume (yd^3)	# of Devices	Total Volume (yd^3)	Length of Fence (ft)	Total Volume (yd^3)
OUTFALL 1	WILLIAM STREET, STA 102+61	17.0' RT	0.65	0.61	44	572	0	0	13	29	1	3	1800	540
OUTFALL 2	SPRING STREET,STA202+18.59	32.39' RT	1.68	0.81	113	480	0	0	10	22	0	0	1525	458

To prevent runoff from bypassing inlet sediment traps, a temporary sump shall be installed around all inlet sediment traps that are not located in a low point or an excavated sump. Construct temporary sumps in accordance with Construction Detail D-24C. Temporary sumps shall be installed in a manner that ensures stormwater does not bypass the inlet. The Contractor may submit alternate temporary containment berm designs to the Project Engineer for approval.

USE OF ALTERNATIVE AND/OR ADDITIONAL BMPS:

No alternative or additional BMPs will be used on this project.

DISCHARGES INTO OR WITHIN ONE LINEAR MILE UPSTREAM OF AND WITHIN THE SAME WATERSHED AS ANY PORTION OF A BIOTA IMPAIRED STREAM SEGMENT

All outfalls are either located further than 1 linear mile upstream or outside of the watershed of an impaired stream segment that has been listed for criteria violated, "Bio F" (impaired fish community) and/or "Bio M" (impaired macro invertebrate community), within Category 4a, 4b or 5, and the potential cause is either "NP" (nonpoint source) or "UR" (urban runoff).

Jacobs

REVISION DATES

ESPCP GENERAL NOTES

15TH STREET EXTENSION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		51-0002
CORRECTED:		DATE:		
VERIFIED:		DATE:		

RIPRAP OUTLET PROTECTION

There are not any RIPRAP outlet protection proposed for this project.

CHANNEL PROTECTION

All channels may be stabilized exclusively with permanent grassing.

STATE-WATER BUFFER IMPACTS

There are not any Stream Buffer Impacts for this project.

TEMPORARY SEDIMENT BASIN DETAILS:

There are not any sediment basins proposed for this project.

INSPECTIONS AND REPORTING

As the primary permittee, the Department must retain the design professional who prepared the ESPCP, or an alternative design professional approved by EPD in writing, to inspect the installation of the initial sediment storage requirements and perimeter control BMPs within 7 days of installation over the entire infrastructure project. Alternatively, for linear infrastructure projects, the permittee must retain either of these personnel to inspect the initial sediment storage requirements and perimeter control BMPs for the initial segment, as defined by Part IV.A.5. of the current GAR100002 Permit, within 7 days of installation and all sediment basins within the entire linear infrastructure project within 7 days of installation. The inspecting design professional shall report the results to the primary permittee within 7 days, and the permittee must correct all deficiencies within 2 business days of receipt of the inspection report, unless on-site weather conditions are such that more time is required. Additionally, the Department's Construction Project Engineer will be responsible for all subsequent 7 day inspections for all new BMP installations.

All other inspections shall be documented on the appropriate Department inspection forms. See Standard Specification (or Special Provision) 167 and other contract documents for inspection and reporting requirements. These inspections shall continue until the Notice of Termination (NOT) is submitted.

Whenever the Department finds that a BMP has failed or is deficient beyond routine maintenance and has resulted in sediment deposition into waters of the State, the Contractor shall take reasonable steps to address the condition, including cleaning up any contaminated surfaces so the material will not discharge in subsequent storm events. When the repair does not require a new or replacement BMP or significant repair, the BMP failure or deficiency must be corrected by the close of the next business day from the time of discovery. A repair requiring a new or replacement BMP or significant repair must be operational by no later than 7 days from the time of discovery. If the repair time within 7 days is infeasible, the Contractor and the Department shall schedule the BMP repair to be operational as soon as practical after the 7 day time frame.

Failure to perform inspections as required by the contract documents and the NPDES permit shall result in the cessation of all construction activities with the exception of Traffic Control and Erosion Control. Continued failure to perform inspections shall result in non-refundable deductions as specified in the contract documents.

WATER QUALITY INSPECTING AND SAMPLING PROCEDURES

See Special Provision 167 and other contract documents for the inspecting and sampling procedures. Sampling locations are provided in the Sampling Location table herein.

RETENTION OF RECORDS

The Department will retain all records related to the implementation of this ESPCP in accordance with Part IV.F of the General Permit GAR100002.

SAMPLING LOCATIONS AND GENERAL NOTES

Representative sampling may be utilized on this project as explained here. The individual outfall drainage basins along the project corridor have been carefully evaluated and compared on the basis of four characteristics: the type of construction activity, the disturbed acreage, the average slope about the outfall, and the soil erosion index 0-10, 10 being the most erodible soil. The construction activity types are new road on fill, new road in cut, road widening, and maintenance/safety. The disturbed area classes are less than or equal to 1 acre, greater than 1 acre to less than 2 acres, and equal to or greater than 2 acres. The average outfall slope is mild if it is equal to or less than 0.03, and steep if it is greater than 0.03. The soil erosion index is low if it is less than or equal to 5 and high if it is greater than 5. After evaluation of these characteristics as presented in the project's drainage area map, hydrology and hydraulic studies, construction plans, geotechnical soil survey, and erosion sedimentation and pollution control plans, the Department has determined that the representative sampling scheme shown below is valid for the duration of the project. The table shows the groups of similar outfall drainage basins.

The increase in turbidity at the specified locations in the table below will be representative of the alternate outfall drainage basins when similar outfall drainage basins exist. Approved primary and alternate representative sampled features are identified in the table below.

Note: The Total Site Area is 2.25 acres.												Representative Sampling Scheme				
SAMPLING INFORMATION												OUTFALL CHARACTERISTICS				
Primary Sampled Feature	Location (Station and Offset)	STAGE OF CONSTRUCTION	Name of Receiving Water	Applicable Construction Stage for Sampling	Sampling Type (Outfall or Receiving water)	Drainage Area for Receiving Water (mi^2)	Upstream Disturbed Area (acres)	Warm or Cold Water Stream	Appendix B NTU Value (Outfall Sampling only)	Allowable NTU Increase (Receiving water sampling only)	Location Description	Construction Activity	Disturbed Area (acres)	Average Outfall Slope (Rise/Run)	Soil Erosion Index	Represented Outfall Drainage Basins
1	WILLIAM STREET, STA 102+61	1,2,3,4	TANYARD BRANCH	ALL	OUTFALL	0.0026	0.61	Warm	75	25	EXISTING STRUCTURE	15TH STREET EXTENSION	0-1	Mild	Low	1
2	SPRING STREET, STA 202+18.59	1,2,3,4	TANYARD BRANCH	ALL	OUTFALL	0.00	0.91	Warm	75	25	EXISTING STRUCTURE	15th STREET EXTENSION	0-1	Mild	Low	2

The primary sampled features specified should be used as the initial sampling locations. An alternate sampled feature may be used if additional sampling is required or to replace a primary sampled feature that is no longer located within the active phase of construction.

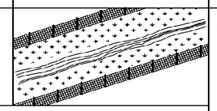
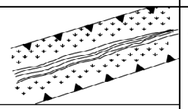
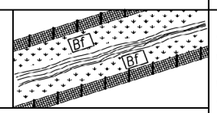
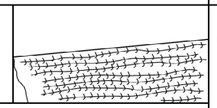
Jacobs

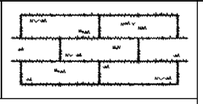
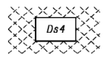
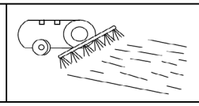
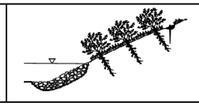
REVISION DATES
7/27/21

ESPCP GENERAL NOTES
15TH STREET EXTENSION

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

DRAWING No.
51-0003

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
	ORANGE BARRIER FENCE		ORANGE BARRIER FENCE DELINEATES ENVIRONMENTALLY SENSITIVE AREAS WHERE THE CONTRACTOR SHALL NOT CLEAR, GRUB, OR PLACE CONSTRUCTION MATERIALS OR EQUIPMENT WITHIN THIS AREA.
	LINE CODE	 ORANGE BARRIER FENCE	
ESA	ENVIRONMENTALLY SENSITIVE AREA		AN ENVIRONMENTALLY SENSITIVE AREA (ESA) CONTAINS RESOURCES THAT ARE ENVIRONMENTALLY, CULTURALLY, OR HISTORICALLY SENSITIVE. ESAs INCLUDE, BUT ARE NOT LIMITED TO: STATE WATER BUFFERS, HISTORIC SITES, ARCHAEOLOGICAL SITES, AND PROTECTED ANIMAL AND PLANT SPECIES HABITATS. IF WORK IS AUTHORIZED IN THIS AREA, THE WORK MUST BE PERFORMED IN ACCORDANCE WITH SECTION 107 AND ANY OTHER APPLICABLE SPECIAL PROVISIONS AND APPLICABLE PLAN NOTES.
	LINE CODE	 ESA-25'(OR 50')STREAM BUFFER, ETC.	
Bf	BUFFER ZONE		A STRIP OF UNDISTURBED ORIGINAL VEGETATION, ENHANCED OR RESTORED EXISTING VEGETATION, OR THE RE-ESTABLISHMENT OF VEGETATION SURROUNDING AN AREA OF DISTURBANCE OR BORDERING STREAMS, PONDS, WETLANDS, LAKES, AND COASTAL WATERS. WHEN NECESSARY, BUFFER ZONES ARE TO BE PROTECTED BY ORANGE BARRIER FENCE.
	SYMBOL	Bf	
Ds1	MULCH SECTION 163		THIS IS AN APPLICATION OF STRAW MULCH USED TO REDUCE SOIL EROSION AND STABILIZE THE SOIL. IT IS USED TO CONTROL EROSION IN AREAS WHERE PERMANENT VEGETATION IS OUT OF SEASON OR TO TEMPORARILY STABILIZE AREAS PRIOR TO FINAL GRADING. MULCHING REQUIREMENTS ARE ADDRESSED BY STANDARD SPECIFICATIONS AND/OR THE PROJECT ENGINEER. THE BMP SYMBOL FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.
	SYMBOL	Ds1	
Ds2	TEMPORARY GRASSING SECTION 163, 700		THE SOWING OF A QUICK GROWING SPECIES OF GRASS SUITABLE TO THE AREA AND SEASON. IT IS TYPICALLY USED TO CONTROL EROSION IN AREAS LONGER THAN MULCHING IS EXPECTED TO LAST. TEMPORARY GRASSING SHOULD BE USED ON ALL PROJECTS ACCORDING TO THE STANDARD SPECIFICATIONS. THE BMP SYMBOL FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.
	SYMBOL	Ds2	

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ds3	PERMANENT GRASSING SECTION 700		THE SOWING OF PERMANENT VEGETATION, SUCH AS GRASS, SUITABLE TO THE AREA AND SEASON. PERMANENT VEGETATION SHALL BE USED ON ALL PROJECTS ACCORDING TO THE STANDARD SPECIFICATION. THE BMP SYMBOL FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.
	SYMBOL	Ds3	
Ds4	SODDING CONSTRUCTION DETAIL D-54 SECTION 700, 890		THE INSTALLATION OF A SPECIES OF GRASS SODDING SUITABLE TO THE AREA AND SEASON TO PROVIDE IMMEDIATE PERMANENT VEGETATION. SODDING MAY BE SHOWN FOR HIGHLY SENSITIVE AREAS, TO IMPROVE AESTHETICS, OR FOR SPECIAL PLANTING REQUIREMENTS ON THE BASIS OF ENVIRONMENTAL COMMITMENTS OR LANDSCAPING REQUIREMENTS. THE BMP PATTERN FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.
	PATTERN		
Fl-Co	FLOCCULANTS COAGULANTS SECTION 163, 700, 895		FLOCCULANTS AND COAGULANTS ARE USED TO SETTLE SUSPENDED SEDIMENT, HEAVY METALS, AND HYDROCARBONS (TSS) IN SLOW MOVING RUNOFF FROM CONSTRUCTION SITES FOR WATER CLARIFICATION. ANIONIC POLYACRYLAMIDES (PAM) MAY BE USED IN CONJUNCTION WITH BMPs WITHIN CHANNELS UPSTREAM OF A POST-CONSTRUCTION POND, TEMPORARY SEDIMENT BASIN, OR TEMPORARY SEDIMENT TRAP. FLOCCULANTS SHALL NOT BE USED DOWNSTREAM OF AFOREMENTIONED BMPs! FLOCCULANTS/COAGULANTS ARE TO BE SHOWN ON PLANS WITH APPLICABLE BMP IF NEEDED. PAYMENT FOR PAM AS A FLOCCULANT WILL BE INCLUDED IN THE PRICE FOR THE INSTALLATION AND/OR MAINTENANCE OF THE BMP IT IS USED IN CONJUNCTION WITH. NO SEPARATE PAYMENT WILL BE MADE.
	SYMBOL	Fl-Co POLYACRYLAMIDE	
Sb	STREAMBANK STABILIZATION SECTION 702		STREAMBANK STABILIZATION IS THE USE OF READILY AVAILABLE NATIVE PLANT MATERIALS TO MAINTAIN AND ENHANCE STREAMBANKS, OR TO PREVENT, OR RESTORE AND REPAIR SMALL STREAMBANK EROSION PROBLEMS. STREAMBANK STABILIZATION AREAS SHOULD BE SHOWN ON THE PLANS WHEN APPLICABLE TO THE PROJECT. REFER TO THE PROJECT'S STREAM AND STREAM BUFFER MITIGATION PLANS FOR PLANT SPECIES, LOCATIONS, AND OTHER PLANTING DETAILS.
	PATTERN		

NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

NO SCALE

REVISION DATES
3/2/2017

EROSION CONTROL LEGEND
UNIFORM CODE SHEET
SHEET 1 OF 7

CHECKED:	D. EAGLETON	DATE:	01/01/16	DRAWING No.
BACKCHECKED:		DATE:		52-0001
CORRECTED:		DATE:		
VERIFIED:		DATE:		

7/31/2015 GPLN

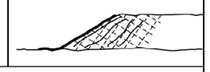
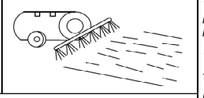
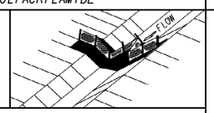
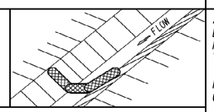
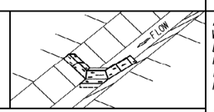
JACOBS

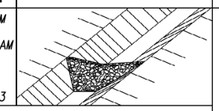
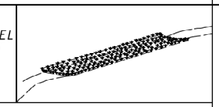
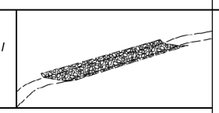
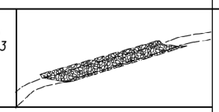
REVISION DATES

EROSION CONTROL LEGEND
15TH STREET EXTENSION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		52-0001
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ss	SLOPE STABILIZATION CONSTRUCTION DETAIL D-35 SECTION 716	 PATTERN 	SLOPE STABILIZATION (EROSION CONTROL MATTING) IS A PROTECTIVE COVERING USED TO PREVENT EROSION AND ESTABLISH TEMPORARY OR PERMANENT VEGETATION ON STEEP SLOPES, SHORE LINES, OR CHANNELS. SLOPE STABILIZATION MAY BE A ROLLED EROSION CONTROL PRODUCT (RECP) OR A HYDRAULIC EROSION CONTROL PRODUCT (HECP). SLOPE STABILIZATION SHALL BE USED ON ALL CUT OR FILL SLOPES OF 2.5:1 OR STEEPER AND WITHIN 50 FEET OF ALL CROSS DRAINS AND CULVERTS. NOTE: ONLY COCONUT FIBER BLANKET OR WOOD FIBER BLANKET SHALL BE USED AS SLOPE STABILIZATION WITHIN BUFFERED AREAS.
Tac	TACKIFIERS SECTION 163, 700, 895	 SYMBOL Tac POLYACRYLAMIDE	TACKIFIERS HYDRATE IN WATER AND READILY BLEND WITH OTHER SLURRY MATERIALS AND ARE USED TO TIE-DOWN FOR SOIL, COMPOST, SEED, STRAW, HAY OR MULCH. TACKIFIERS REQUIREMENTS, SUCH AS ANIONIC POLYACRYLAMIDES (PAM) ARE ADDRESSED BY STANDARD SPECIFICATIONS AND ARE NOT TYPICALLY SHOWN ON THE PLANS. PAM IS TYPICALLY USED BY THE CONTRACTOR FOR TEMPORARY OR PERMANENT GRASSING. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR CRITERIA.
Cd-F	FABRIC CHECK DAM CONSTRUCTION DETAIL D-24D SECTION 171	 SYMBOL Cd-F	A CHECK DAM COMPOSED OF SYNTHETIC FIBER FABRIC, WIRE REINFORCED, POST, OVERFLOW WEIR, AND TURF REINFORCEMENT MATTING (TRM) SPLASHPAD PLACED IN DITCHES IN A SPECIAL CONFIGURATION WHICH CONTROLS ENERGY DISSIPATION AND FILTRATION OF STORM WATER. SEE CONSTRUCTION DETAIL D-24D FOR ADDITIONAL INFORMATION AND SPACING REQUIREMENTS. THIS ITEM IS SUITABLE FOR USE IN ROADSIDE DITCHES THAT ARE PART OF INFRASTRUCTURE CONSTRUCTION PROJECTS AND WITHIN THE CLEAR ZONE. IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT.
Cd-Fs	COMPOST FILTER SOCK CHECK DAM CONSTRUCTION DETAIL D-52 SECTION 163	 SYMBOL Cd-Fs	A COMPOST FILTER SOCK CHECK DAM IS COMPOSED OF A PHOTODEGRADABLE OR BIODEGRADABLE KNITTED MESH MATERIAL CONTAINING A WEED FREE FILLER MATERIAL DERIVED FROM A WELL-DECOMPOSED SOURCE OF ORGANIC MATTER. THEY SHALL BE PROPERLY STAKED FOR DITCH APPLICATIONS. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR MATERIAL SPECIFICATIONS. IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT.
Cd-Hb	BALED STRAW CHECK DAM CONSTRUCTION DETAIL D-52 SECTION 163	 SYMBOL Cd-Hb	A BALE STRAW CHECK DAM IS COMPOSED OF BALES PREFERABLY BOUND WITH WIRE OR NYLON INSTEAD OF TWINE. BALES SHOULD BE PLACED IN ROWS WITH BALE ENDS TIGHTLY ABUTTING ADJACENT BALES. THE DOWNSTREAM ROW OF BALES SHALL BE PLACED IN A TRENCH TO ALLOW THE TOP OF THE BALE'S LONG, WIDE SIDE TO BE LEVEL WITH THE GROUND AS A NON-ERODIBLE SPLASH PAD. PROPER STAKING IS ALSO REQUIRED FOR DITCH APPLICATIONS. IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT.

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Cd-S	STONE CHECK DAM OR SANDBAG CHECK DAM CONSTRUCTION DETAIL D-56 SECTION 163, 603	 SYMBOL Cd-S	STONE CHECK DAMS ARE CONSTRUCTED OF TYPE-3 RIP-RAP WITH GEOTEXTILE UNDERLINER. STONE CHECK DAMS ARE PREFERRED IN ROADWAY DITCHES OUTSIDE THE CLEAR ZONE. CONSIDERATION SHOULD BE GIVEN TO USING OTHER APPROPRIATE CHECK DAMS AND/OR BMPs WITHIN THE CLEAR ZONE. SANDBAG CHECK DAMS ARE RECOMMENDED IN CONCRETE LINED CHANNELS FOR TEMPORARY VELOCITY CONTROL ONLY. ENSURE DISCHARGE POINT IS PROPERLY STABILIZED AND INCLUDE APPROPRIATE BMPs FOR SEDIMENT STORAGE UPSTREAM AND/OR DOWNSTREAM OF CONCRETE LINED CHANNELS. IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT.
Ch-I	VEGETATED CHANNEL STABILIZATION SECTION 700	 LINE CODE 	A NEW OR EXISTING CHANNEL MAY BE LINED WITH PERMANENT VEGETATION ONLY FOR VELOCITIES UP TO 5.0 fps. THIS MEASURE SHALL BE DESIGNED IN ACCORDANCE WITH THE GDOT CHANNEL LINING DESIGN PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED. TYPICALLY NOT SHOWN IN PLANS.
Ch-2RI	CHANNEL STABILIZATION RIP-RAP, TYPE I CONSTRUCTION DETAIL D-49 SECTION 603	 LINE CODE 	THIS ITEM CONSISTS OF LINING A CHANNEL WITH TYPE I RIP-RAP 24" THICK (UNLESS SPECIFIED OTHERWISE) PLACED ON TOP OF A GEOTEXTILE UNDERLINER. THE RIP-RAP SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
Ch-2R3	CHANNEL STABILIZATION RIP-RAP, TYPE 3 CONSTRUCTION DETAIL D-49 SECTION 603	 LINE CODE 	THIS ITEM CONSISTS OF LINING A CHANNEL WITH TYPE 3 RIP-RAP 24" THICK (UNLESS SPECIFIED OTHERWISE) PLACED ON TOP OF A GEOTEXTILE UNDERLINER. THE RIP-RAP SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

GDOT

NO SCALE

REVISION DATES
3/2/2017
11/28/2018

EROSION CONTROL LEGEND
UNIFORM CODE SHEET
SHEET 2 OF 7

CHECKED:	D. EAGLETON	DATE:	01/01/16	DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		52-0002
VERIFIED:		DATE:		

7/31/2015 GPLN

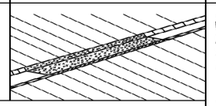
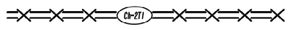
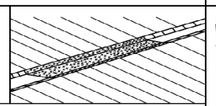
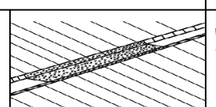
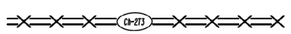
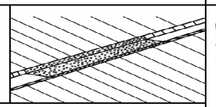
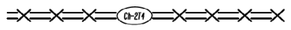
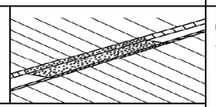
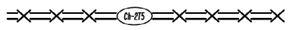
JACOBS

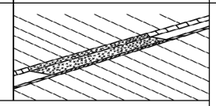
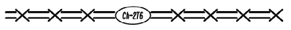
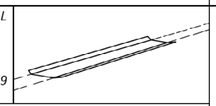
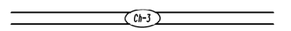
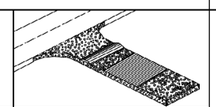
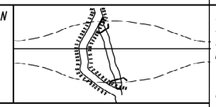
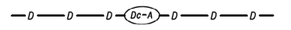
REVISION DATES

EROSION CONTROL LEGEND
15TH STREET EXTENSION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		52-0002
VERIFIED:		DATE:		

10/23/2015 GPLN

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ch-2T1	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711	 LINE CODE 	THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-2 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
Ch-2T2	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711	 LINE CODE 	THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-4 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
Ch-2T3	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711	 LINE CODE 	THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-6 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
Ch-2T4	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711	 LINE CODE 	THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-8 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
Ch-2T5	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711	 LINE CODE 	THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-10 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ch-2T6	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711	 LINE CODE 	THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-12 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
Ch-3	CONCRETE CHANNEL STABILIZATION CONSTRUCTION DETAIL D-10, D-49 SECTION 441	 LINE CODE 	CHANNELS ARE LINED WITH CONCRETE FOR VELOCITIES >/= 10 fps. THIS ITEM CONSISTS OF CONSTRUCTING A 4" THICK CONCRETE CHANNEL. THE CONCRETE SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN. RIP-RAP SHOULD BE USED TO DISSIPATE ENERGY DOWNSTREAM OF CONCRETE LINED CHANNELS.
Co	CONSTRUCTION EXIT CONSTRUCTION DETAIL D-41 SECTION 163, 800	 SYMBOL Co	A CONSTRUCTION EXIT IS A STONE STABILIZED PAD THAT REDUCES OR ELIMINATES THE TRANSPORT OF MUD FROM CONSTRUCTION AREAS ONTO PUBLIC ROADS BY EQUIPMENT OR RUNOFF. BEST USED AT ACCESS POINTS, I.e. NEW LOCATION PROJECTS, BORROW PITS, WASTE PITS, ACCESS ROADS, ETC. SHOULD BE MINIMUM 20' WIDE, 50' LONG, 6" THICK, AND REQUIRES A GEOTEXTILE UNDERLINER. ON SITES WHERE THE GRADE TOWARD A PAVED AREA IS GREATER THAN 2%, A FULL WIDTH DIVERSION RIDGE 6" TO 8" HIGH WITH 3:1 SLOPES SHALL BE CONSTRUCTED APPROXIMATELY 15' UPSTREAM OF PAVED AREA. A TIRE WASHING AREA TO REMOVE MUD MAY ALSO BE REQUIRED PRIOR TO ENTRANCE ONTO PUBLIC ROADWAYS. ALL CONSTRUCTION EXIT REQUIREMENTS ARE INCLUDED IN THE PRICE OF THE CONSTRUCTION EXIT.
Dc-A	STREAM DIVERSION CHANNEL GEOTEXTILE, POLYETHYLENE FILM SECTION 163	 LINE CODE 	A TEMPORARY CHANNEL CONSTRUCTED TO CONVEY FLOW AROUND A CONSTRUCTION SITE WHILE A PERMANENT DRAINAGE STRUCTURE IS BEING CONSTRUCTED IN A NATURAL STREAM. THIS IS A MEASURE USED TO PROTECT STREAM BEDS FROM EROSION. LINE THE CHANNEL WITH GEOTEXTILE OR POLYETHYLENE FILM. INSTALL TWO ROWS OF SdI-S PARALLEL TO THE CHANNEL TO PREVENT SEDIMENT LADEN RUNOFF FROM ENTERING THE STREAM. THE SIZE OF THE CHANNEL WILL DEPEND ON THE DISCHARGE, CHANNEL GEOMETRY, CHANNEL SLOPE AND ROUGHNESS. IT IS ACCEPTABLE FOR VELOCITIES BETWEEN 0 - 2.5 fps. THE DRAINAGE AREA SHALL BE NOT GREATER THAN 1 SQUARE MILE. CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE.

NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

7/31/2015 GPLN

GDOT

NO SCALE

REVISION DATES
3/2/2017

EROSION CONTROL LEGEND
UNIFORM CODE SHEET
SHEET 3 OF 7

CHECKED:	D. EAGLETON	DATE:	01/01/16	DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		52-0003
VERIFIED:		DATE:		

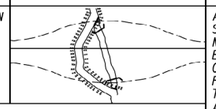
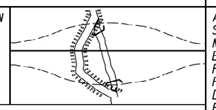
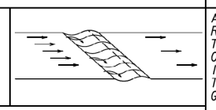
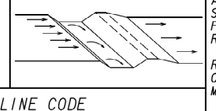
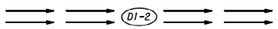
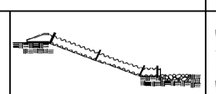
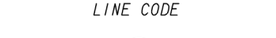
10/23/2015 GPLN

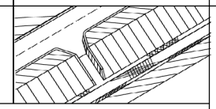
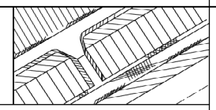
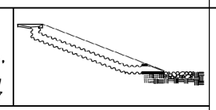
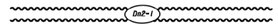
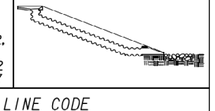
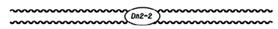
JACOBS

REVISION DATES

EROSION CONTROL LEGEND
15TH STREET EXTENSION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		52-0003
VERIFIED:		DATE:		

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Dc-B	STREAM DIVERSION CHANNEL GEOTEXTILE ONLY SECTION 163		A TEMPORARY CHANNEL CONSTRUCTED TO CONVEY FLOW AROUND A CONSTRUCTION SITE WHILE A PERMANENT DRAINAGE STRUCTURE IS BEING CONSTRUCTED IN A NATURAL STREAM. THIS IS A MEASURE USED TO PROTECT STREAM BEDS FROM EROSION. LINE THE CHANNEL WITH GEOTEXTILE ONLY. INSTALL TWO ROWS OF Sdl-S PARALLEL TO THE CHANNEL TO PREVENT SEDIMENT LADEN RUNOFF FROM ENTERING THE STREAM. THE SIZE OF THE CHANNEL WILL DEPEND ON THE DISCHARGE, CHANNEL GEOMETRY, CHANNEL SLOPE AND ROUGHNESS. IT IS ACCEPTABLE FOR VELOCITIES BETWEEN 2.5 - 9.0 fps. THE DRAINAGE AREA SHALL BE NOT GREATER THAN 1 SQUARE MILE. CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE.
	LINE CODE		
Dc-C	STREAM DIVERSION CHANNEL RIP-RAP & GEOTEXTILE SECTION 163		A TEMPORARY CHANNEL CONSTRUCTED TO CONVEY FLOW AROUND A CONSTRUCTION SITE WHILE A PERMANENT DRAINAGE STRUCTURE IS BEING CONSTRUCTED IN A NATURAL STREAM. THIS IS A MEASURE USED TO PROTECT STREAM BEDS FROM EROSION. LINE THE CHANNEL WITH RIP-RAP AND GEOTEXTILE. INSTALL TWO ROWS OF Sdl-S PARALLEL TO THE CHANNEL TO PREVENT SEDIMENT LADEN RUNOFF FROM ENTERING THE STREAM. THE SIZE OF THE CHANNEL WILL DEPEND ON THE DISCHARGE, CHANNEL GEOMETRY, CHANNEL SLOPE AND ROUGHNESS. IT IS ACCEPTABLE FOR VELOCITIES BETWEEN 9.0 - 13.0 fps. THE DRAINAGE AREA SHALL BE NOT GREATER THAN 1 SQUARE MILE. CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE.
	LINE CODE		
Dl-l	DIVERSION BERM CONSTRUCTION DETAIL D-47 SECTION 205		A NON-DESIGNED TEMPORARY EARTHEN BERM WITH A COMPACTED SUPPORTING RIDGE ON THE LOWER SIDE TO BE USED AT THE EDGE OF EMBANKMENT DURING THE GRADING OPERATION. THE BERMS ARE ALSO CONSTRUCTED ABOVE, ACROSS OR BELOW A SLOPE TO REDUCE THE LENGTH OF A SLOPE. THEY ARE USED TO INTERCEPT RUNOFF, PREVENTING SLOPE EROSION AND TO DIRECT THE RUNOFF TO A STABLE OUTLET, DOWN DRAINS *Dnl*OR CATCHMENT AREAS AND ON ALL GRADING PROJECTS.
	LINE CODE		
Dl-2	DIVERSION CHANNEL SECTION 205		A DESIGNED TEMPORARY OR PERMANENT CHANNEL WITH A COMPACTED SUPPORTING RIDGE ON THE LOWER SIDE TO DIVERT OFFSITE RUNOFF AWAY FROM DISTURBED AREAS WITHIN THE PROJECT AREA. CHANNEL FOR OFFSITE RUNOFF SHALL BE STABILIZED WITH APPROPRIATE CHANNEL STABILIZATION. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA. A DIVERSION CHANNEL DETAIL MUST ALSO BE PROVIDED IN THE ESPCP. RUNOFF FROM DISTURBED AREAS WITHIN THE PROJECT AREA SHALL NOT BE ALLOWED TO CONVERGE WITH OFFSITE RUNOFF WITHIN THIS DIVERSION.
	LINE CODE		
Dnl	TEMPORARY DOWNDRAIN STRUCTURE FLEXIBLE CONSTRUCTION DETAIL D-19 SECTION 163		A TEMPORARY PIPE SLOPE DRAIN IS A PLASTIC FLEXIBLE PIPE TO CARRY WATER FROM THE WORK AREA TO A LOWER ELEVATION. TEMPORARY SLOPE DRAINS SHOULD BE PLACED AT INTERVALS OF 350 FEET ON 0% - 2% GRADES, 200 FEET ON STEEPER GRADES AND MORE FREQUENTLY AS DICTATED BY FIELD CONDITIONS. THE TYPICAL PIPE SIZE IS A CORRUGATED 10". THE PIPE WILL BE ANCHORED WITH STAKES AT INTERVALS NOT TO EXCEED 10'. THE OUTLET AREA SHALL BE STABILIZED FOR VELOCITY DISSIPATION AND EROSION CONTROL.
	LINE CODE		

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Dn2-A	PERMANENT DOWNDRAIN STRUCTURE CONCRETE CONSTRUCTION DETAIL D-9 SECTION 441		A CONCRETE FLUME TYPE "A" IS USED TO DIRECT SURFACE RUNOFF DOWN A ROADWAY SLOPE INTO ANOTHER FORM OF CONTROL. IT IS USED IN ALL DEPRESSED AREAS WHERE WATER WILL FLOW DOWN THE SLOPE. IT IS DESIGNED FOR A 25-YEAR STORM AND MUST HAVE SOME FORM OF OUTLET PROTECTION. ADDITIONAL LABELING IS NOT REQUIRED IF SHOWN AS A PERMANENT DRAINAGE STRUCTURE ON THE CONSTRUCTION PLANS. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OTHER CRITERIA).
	LINE CODE		
Dn2-B	PERMANENT DOWNDRAIN STRUCTURE CONCRETE CONSTRUCTION DETAIL D-9 SECTION 441		A CONCRETE FLUME TYPE "B" IS USED TO DIRECT SURFACE DITCH RUNOFF DOWN A BACK SLOPE INTO ANOTHER FORM OF CONTROL. IT IS USED IN DEPRESSED AREAS WHERE CONCENTRATED OFFSITE WATER REACHES THE CUT SLOPE. IT IS DESIGNED TO SAFELY CONVEY WATER DOWN THE CUT SLOPE. IT IS DESIGNED FOR A 25-YEAR STORM AND MUST HAVE SOME FORM OF OUTLET PROTECTION. ADDITIONAL LABELING IS NOT REQUIRED IF SHOWN AS A PERMANENT DRAINAGE STRUCTURE ON THE CONSTRUCTION PLANS. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OR OTHER CRITERIA).
	LINE CODE		
Dn2-l	PERMANENT DOWNDRAIN STRUCTURE GA. STD 9013 TP1, 9017J TP1, DETAIL D-26 TP1 SECTION 576, 577		CONCRETE DRAIN INLET WITH METAL PIPE IS USED TO DRAIN CURBS, ON A GRADE, DOWN TO A LOWER ELEVATION. THIS IS A PERMANENT STRUCTURE, REQUIRING OUTLET PROTECTION, TEMPORARY AND PERMANENT. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OR OTHER CRITERIA).
	LINE CODE		
Dn2-2	PERMANENT DOWNDRAIN STRUCTURE GA. STD 9013 TP2, 9017J TP2, DETAIL D-26 TP2 SECTION 576, 577		CONCRETE DRAIN INLET AND METAL PIPE IS USED TO DRAIN CURB, IN A SAG, DOWN TO A LOWER ELEVATION. THIS IS A PERMANENT STRUCTURE, REQUIRING OUTLET PROTECTION. TEMPORARY AND PERMANENT. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OR OTHER CRITERIA).
	LINE CODE		

NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

7/31/2015 GPLN

GDOT

NO SCALE

REVISION DATES
3/2/2017

EROSION CONTROL LEGEND

UNIFORM CODE SHEET

SHEET 4 OF 7

CHECKED:	D. EAGLETON	DATE:	01/01/16
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 52-0004

10/23/2015 GPLN

JACOBS

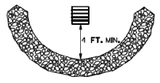
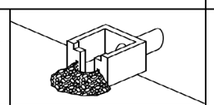
REVISION DATES

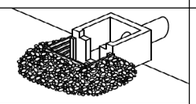
EROSION CONTROL LEGEND

15TH STREET EXTENSION

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

DRAWING No. 52-0004

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Fr	FILTER RING CONSTRUCTION DETAIL D-46 SECTION 163	 SYMBOL: Fr	A TEMPORARY STONE BARRIER CONSTRUCTED AT DRAINAGE STRUCTURE INLETS AND POST-CONSTRUCTION POND OUTLETS. IT REDUCES RUNOFF VELOCITY AND HELPS PREVENT SEDIMENT FROM LEAVING SITE PRIOR TO PERMANENT STABILIZATION OF THE DISTURBED AREA. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR ADDITIONAL INFORMATION ON USAGE.
Rd	ROCK FILTER DAM CONSTRUCTION DETAIL D-43 SECTION 163, 603	 SYMBOL: Rd	ROCK FILTER DAMS ARE CONSTRUCTED OF TYPE 3 STONE RIP-RAP FACED WITH #57 STONE ON THE UPSTREAM SIDE. THEY ARE PLACED ACROSS DRAINAGEWAYS WHICH DRAIN 50 ACRES OR LESS. GEOTEXTILE UNDERLINER SHALL BE USED WHEN PLACING ROCK FILTER DAMS. THE DAM SHOULD NOT BE HIGHER THAN THE CHANNEL BANKS. ROCK FILTER DAMS SHOULD BE USED IN DITCHES PRIOR TO DISCHARGING INTO STREAMS, WETLANDS, OPEN-WATERS, OR OTHER ESAs.
Rd-B	STONE FILTER BERM CONSTRUCTION DETAIL D-50 SECTION 163, 603	 LINE CODE: —Rd-B—	STONE FILTER BERMS ARE CONSTRUCTED SIMILAR TO ROCK FILTER DAMS FOR A LINEAR APPLICATION. THEY ARE CONSTRUCTED OF TYPE-3 STONE RIP-RAP FACED WITH #57 STONE ON THE UPSTREAM SIDE. GEOTEXTILE UNDERLINER SHALL BE USED WHEN PLACING STONE FILTER BERMS. STONE FILTER BERMS ARE IDEAL ALONG THE PERIMETER FOR SHEET FLOW AND/OR SHALLOW CONCENTRATED FLOW TO A COMMON LOW AREA WHERE PERIMETER SILT FENCE ALONE MAY BE INSUFFICIENT. THERE IS NO WELL-DEFINED CHANNEL FOR A STANDARD ROCK FILTER DAM, AND/OR CONSTRUCTING A ROCK OUTLET TEMPORARY SEDIMENT TRAP IS NOT APPLICABLE.
Rp	RIP-RAP SECTION 603	 PATTERN: Rp	RIP-RAP IS A FLEXIBLE PERMANENT BLANKET FOR PROTECTION OF FILL SLOPES AND BRIDGE END ROLLS. RIP-RAP TYPE-1 SHOULD BE PLACED ON TOP OF A GEOTEXTILE UNDERLINER AT A MINIMUM 24" THICKNESS OR AS INDICATED ON THE PLANS. RIP-RAP MAY ALSO BE USED AT DRAINAGE STRUCTURE OUTLETS WITHIN THE RIGHT-OF-WAY. HOWEVER, APPROPRIATE OUTLET PROTECTION SHOULD BE PROVIDED AT OUTFALLS. REFER TO STORM DRAIN OUTLET PROTECTION FOR ADDITIONAL INFORMATION ON USING RIP-RAP AT OUTFALLS.
Rt-P	RETROFITTING PERFORATED HALF-ROUND PIPE CONSTRUCTION DETAIL D-44 SECTION 163	 SYMBOL: Rt-P	A PERFORATED HALF-ROUND PIPE WITH STONE FILTER PLACED IN FRONT OF A PERMANENT STORMWATER DETENTION POND OUTLET STRUCTURE TO SERVE AS A TEMPORARY SEDIMENT FILTER. SHOULD BE USED ONLY IN DETENTION PONDS WITH LESS THAN 30 ACRES TOTAL DRAINAGE AREA. SHALL ONLY BE USED IN DETENTION BASINS LARGE ENOUGH TO STORE 67 CUBIC YARDS OF SEDIMENT PER ACRE OF DISTURBED AREA. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA.

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Rt-B	RETROFITTING SLOTTED BOARD DAM CONSTRUCTION DETAIL D-45 SECTION 163	 SYMBOL: Rt-B	A SLOTTED BOARD DAM CONSISTS OF STONE AND/OR FILTER FABRIC AND BOARDS WITH 0.5" - 1.0" SPACING TO SERVE AS A TEMPORARY SEDIMENT FILTER. PERMANENT STORMWATER DETENTION POND OUTLET: -DRAINAGE AREA UP TO 100 ACRES -DETENTION BASINS LARGE ENOUGH TO STORE 67 CUBIC YARDS OF SEDIMENT PER ACRE OF DISTURBED AREA ROADWAY DRAINAGE STRUCTURE: -OPEN END PIPES, WINGED HEADWALLS, OR CONCRETE WEIR OUTLETS WITH DRAINAGE AREA LESS THAN 30 ACRES REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA.
Rt-Sg1 Rt-Sg2 Rt-Sg3	RETROFITTING SILT CONTROL GATES CONSTRUCTION DETAIL D-20 SECTION 163	 SYMBOL: Rt-Sg1 Rt-Sg2 Rt-Sg3	A SILT CONTROL GATE CONSISTS OF BOARDS WITHOUT SPACING AND FILTER FABRIC TO BE USED FOR TEMPORARY SEDIMENT STORAGE ON ROADWAY PROJECTS AT THE INLET OF STRUCTURES WITH A DRAINAGE AREA UP TO 50 ACRES. THE DISTURBED AREA WITHIN THE DRAINAGE AREA SHALL NOT EXCEED 5 ACRES. SILT CONTROL GATES SHOULD NOT BE USED ALONE, BUT WITH ANOTHER BMP DOWNSTREAM PRIOR TO DISCHARGE LEAVING PROJECT AREA. DO NOT USE SILT GATES IN STATE WATERS. Rt-Sg1=TYPE 1: USED ON BOX CULVERTS Rt-Sg2=TYPE 2: USED ON STRAIGHT HEADWALLS Rt-Sg3=TYPE 3: USED ON FLARED END SECTIONS AND TAPERED HEADWALLS
Sdi-NS	SEDIMENT BARRIER (NON-SENSITIVE) SILT FENCE TYPE A CONSTRUCTION DETAIL D-24 SECTION 171	 LINE CODE: —A—A—A—Sdi-NS—A—A—A—	SEDIMENT BARRIERS MINIMIZE AND PREVENT SEDIMENT CARRIED BY SHEET FLOW FROM LEAVING THE PROJECT AREA BY CAUSING DEPOSITION AND/OR FILTRATION OF SEDIMENT. SILT FENCE USED AS PERIMETER CONTROL SHALL NOT BE INSTALLED ACROSS CONCENTRATED FLOW. TYPE-A SILT FENCE IS TYPICALLY USED IN NON-ENVIRONMENTALLY SENSITIVE AREAS (ESAs) OR IN AREAS WITH FILLS LESS THAN 10'. IT SHOULD BE PLACED A MINIMUM OF 10' FROM CONSTRUCTION LIMITS OR ALONG THE RIGHT-OF-WAY LINE.
Sdi-S	SEDIMENT BARRIER (SENSITIVE) SILT FENCE TYPE C CONSTRUCTION DETAIL D-24 SECTION 171	 LINE CODE: —c—c—c—Sdi-S—c—c—c—	SEDIMENT BARRIERS MINIMIZE AND PREVENT SEDIMENT CARRIED BY SHEET FLOW FROM LEAVING THE PROJECT AREA BY CAUSING DEPOSITION AND/OR FILTRATION OF SEDIMENT. SILT FENCE USED AS PERIMETER CONTROL SHALL NOT BE INSTALLED ACROSS CONCENTRATED FLOW. TYPE-C SILT FENCE IS TYPICALLY USED IN ENVIRONMENTALLY SENSITIVE AREAS (ESAs) OR IN AREAS WITH FILLS 10' AND GREATER. ALL ENVIRONMENTALLY SENSITIVE AREAS (ESAs) SHALL BE PROTECTED WITH A DOUBLE-ROW OF TYPE-C SILT FENCE REGARDLESS OF FILL HEIGHT. A SINGLE-ROW MAY BE USED FOR OTHER APPLICATIONS. IT SHOULD BE PLACED A MINIMUM OF 10' FROM CONSTRUCTION LIMITS OR ALONG THE RIGHT-OF-WAY LINE.

NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

7/31/2015 GPLN

GDOT

NO SCALE

REVISION DATES
3/2/2017

EROSION CONTROL LEGEND
UNIFORM CODE SHEET
SHEET 5 OF 7

CHECKED:	D. EAGLETON	DATE:	01/01/16	DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		52-0005
VERIFIED:		DATE:		

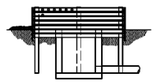
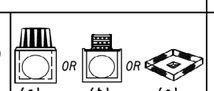
10/23/2015 GPLN

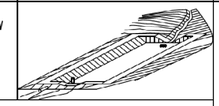
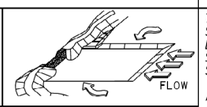
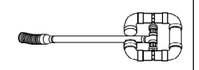
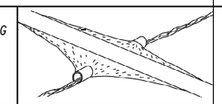
JACOBS

REVISION DATES

EROSION CONTROL LEGEND
15TH STREET EXTENSION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		52-0005
VERIFIED:		DATE:		

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Sd1-BB	SEDIMENT BARRIER BRUSH BARRIER CONSTRUCTION DETAIL D-24B SECTION 201	 LINE CODE * * * Sd1-BB * * *	THIS ITEM CONSISTS OF INTERMINGLED BRUSH, LOGS, ETC. SO AS NOT TO FORM A SOLID DAM. CONSTRUCTED AT THE TOE OF FILL SLOPES ONLY DURING THE CLEARING AND GRUBBING OPERATION. THE BARRIER SHOULD BE USED AT THE TOE OF FILL SLOPES ON GRADING PROJECTS IN RURAL AREAS WHERE SUFFICIENT RIGHT OF WAY OR EASEMENT IS AVAILABLE (10 FEET OR MORE). THE BARRIER SHOULD RUN ROUGHLY PERPENDICULAR TO THE FLOW OF WATER WHERE THIS DOES NOT CONFLICT WITH RIGHT-OF-WAY OR EASEMENT LIMITS. THEY WILL NOT BE PLACED IN WETLANDS. TYPICALLY NOT SHOWN ON PLANS. PAYMENT FOR THIS ITEM IS INCLUDED IN THE CLEARING AND GRUBBING COST. NO SEPARATE PAYMENT SHALL BE MADE.
Sd2-B	INLET SEDIMENT TRAP (BAFFLE BOX) CONSTRUCTION DETAIL D-42 SECTION 163	 SYMBOL Sd2-B	BAFFLE BOX INLET SEDIMENT TRAP USED FOR INLETS RECEIVING HIGH FLOW RATE AND/OR VELOCITY. A GUIDE FOR USE WILL BE FOR AN INLET RECEIVING FLOW RATES 7 cfs AND GREATER.
Sd2-Bg	INLET SEDIMENT TRAP (BLOCK & GRAVEL) CONSTRUCTION DETAIL D-42 SECTION 163	 SYMBOL Sd2-Bg	BLOCK AND GRAVEL DROP INLET PROTECTION USED FOR WHERE HEAVY FLOWS ARE EXPECTED AND WHERE OVERFLOW CAPACITY IS NECESSARY TO PREVENT EXCESSIVE PONDING AROUND THE STRUCTURE. CAN BE USED AT CULVERT INLETS. A GUIDE FOR USE WILL BE FOR AN INLET RECEIVING FLOW RATES THAT RANGE FROM 5 - 7 cfs.
Sd2-F	INLET SEDIMENT TRAP (FILTER FABRIC) CONSTRUCTION DETAIL D-24C SECTION 163	 (a) OR (b) OR (c) SYMBOL Sd2-F	(a) A SEDIMENT BARRIER CONSISTING OF A PREFABRICATED FRAME WITH FILTER FABRIC USED AROUND A DROP INLET OR CATCH BASIN. (b) A SEDIMENT BARRIER CONSISTING OF A PERFORATED METAL STAND PIPE WITH FILTER FABRIC USED AROUND A DROP INLET OR CATCH BASIN. (c) TYPE C SILT FENCE WITH SUPPORTING FRAME CAN BE USED AS AN ALTERNATE TO INLET SEDIMENT TRAP FOR AREAS WITH SLOPES < 5%. THIS ITEM IS USED TO PREVENT SILT FROM ENTERING THE PIPE SYSTEM. SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS. RECOMMENDED FOR INLET RECEIVING FLOW RATES THAT RANGE FROM 0 - 4 cfs.
Sd2-G	INLET SEDIMENT TRAP (GRAVEL) CONSTRUCTION DETAIL D42 SECTION 163	 SYMBOL Sd2-G	GRAVEL DROP INLET PROTECTION USED WHERE HEAVY CONCENTRATED FLOWS ARE EXPECTED. STONE AND GRAVEL ARE USED TO TRAP SEDIMENT. THE SLOPE TOWARD THE INLET SHALL BE NO MORE THAN 3:1. A GUIDE FOR USE WILL BE FOR AN INLET RECEIVING FLOW RATES THAT RANGE FROM 3 - 5 cfs.

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Sd3	TEMPORARY SEDIMENT BASIN CONSTRUCTION DETAIL D-22A, D-22B SECTION 163	 SYMBOL Sd3	A BASIN CREATED BY EXCAVATING AN AREA, DAMMING CONCENTRATED FLOW, OR A COMBINATION OF BOTH. THE BASIN IS DESIGNED TO STORE 67 CUBIC YARDS OF SEDIMENT PER ACRE OF DRAINAGE AREA. THE DRAINAGE AREA SHOULD NOT EXCEED 150 ACRES. BASINS TYPICALLY CONSISTS OF A DAM, PRINCIPAL SPILLWAY, AND AN EMERGENCY SPILLWAY. A FLOATING SURFACE SKIMMER SHALL BE REQUIRED AS PART OF THE PRINCIPAL SPILLWAY UNLESS INFEASIBLE. SUFFICIENT RIGHT-OF-WAY OR EASEMENT IS NEEDED FOR BASIN CONSTRUCTION AND MAINTENANCE ACCESS. SEDIMENT BASINS SHALL BE CONSIDERED ON ALL PROJECTS, BUT MAY NOT BE PRACTICAL. BASINS SHOULD BE LOCATED TO MINIMIZE INTERFERENCE WITH CONSTRUCTION ACTIVITIES AND UTILITIES. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA.
Sd4-C	ROCK OUTLET TEMPORARY SEDIMENT TRAP CONSTRUCTION DETAIL D-53 SECTION 163	 FLOW SYMBOL Sd4-C	TEMPORARY POND WITH ROCK OUTLET DESIGNED TO STORE 67 CUBIC YARDS OF SEDIMENT PER DRAINAGE AREA. DRAINAGE AREA SHALL NOT EXCEED 5 ACRES. DISTINGUISHED FROM TEMPORARY SEDIMENT BASIN BY LACK OF PRINCIPAL SPILLWAY. MAXIMUM POND DEPTH FROM BOTTOM OF POND TO EMERGENCY SPILLWAY IS 4 FEET. A TEMPORARY SEDIMENT BASIN SHALL BE EVALUATED PRIOR TO CONSIDERING A TEMPORARY SEDIMENT TRAP. A TEMPORARY SEDIMENT TRAP IS IDEAL FOR SMALL AREAS WITH NO UNUSUAL DRAINAGE FEATURES AND EFFECTIVE AGAINST COARSE SEDIMENT, BUT NOT AGAINST SILT OR CLAY PARTICLES THAT REMAIN SUSPENDED. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA.
Sk	FLOATING SURFACE SKIMMER CONSTRUCTION DETAIL D-22A, D-22B SECTION 163	 SYMBOL Sk	A BUOYANT DEVICE THAT DRAINS WATER FROM THE SURFACE OF A TEMPORARY SEDIMENT BASIN AT A CONTROLLED FLOW RATE. THE INLET/ORIFICE SIZE IS DESIGNED TO DRAIN THE BASIN WITHIN 24 - 48 HOURS. THE SKIMMER INFORMATION SHALL BE PROVIDED IN CONJUNCTION WITH THE SEDIMENT BASIN INFORMATION IN PLANS. IF A SKIMMER IS INFEASIBLE, THE DESIGNER SHALL PROVIDE A WRITTEN JUSTIFICATION IN THE PLANS. SKIMMERS ARE ATTACHED TO A RISER WITHOUT PERFORATIONS AND ACTS AS THE PRIMARY SPILLWAY. THE SKIMMER BMP SYMBOL SHALL BE SHOWN IN CONJUNCTION WITH THE TEMPORARY SEDIMENT BASIN BMP SYMBOL WHEN APPLICABLE. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR ADDITIONAL INFORMATION.
Sr	TEMPORARY STREAM CROSSING SECTION 107	 SYMBOL Sr	A TEMPORARY STRUCTURE INSTALLED ACROSS A FLOWING STREAM OR WATERCOURSE FOR USE BY CONSTRUCTION EQUIPMENT. THIS BMP PROVIDES A MEANS TO CROSS STREAMS OR WATERCOURSES WITHOUT MOVING SEDIMENT INTO STREAMS, DAMAGING THE STREAM BED OR CHANNEL, OR CAUSING FLOODING. THIS BMP SHOULD NOT BE USED ON STREAMS WITH DRAINAGE AREAS GREATER THAN ONE SQUARE MILE, UNLESS SPECIFICALLY DESIGNED TO ACCOMMODATE THE ADDITIONAL DRAINAGE AREA BY THE DESIGN PROFESSIONAL. A CERTIFICATION STATEMENT AND SIGNATURE SHALL ACCOMPANY THE DESIGN. THIS BMP SHALL BE DESIGNED ACCORDING TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA". FOR CONTRACTOR'S USE ONLY!

NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

7/31/2015 GPLN

GDOT

NO SCALE

REVISION DATES
3/2/2017
11/28/2018

EROSION CONTROL LEGEND
UNIFORM CODE SHEET
SHEET 6 OF 7

CHECKED:	D. EAGLETON	DATE:	01/01/16	DRAWING No.
BACKCHECKED:		DATE:		52-0006
CORRECTED:		DATE:		
VERIFIED:		DATE:		

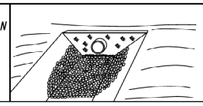
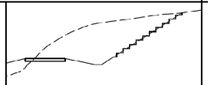
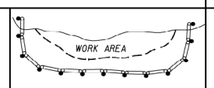
10/23/2015 GPLN

JACOBS

REVISION DATES

EROSION CONTROL LEGEND
15TH STREET EXTENSION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		52-0006
CORRECTED:		DATE:		
VERIFIED:		DATE:		

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
St	STORM DRAIN OUTLET PROTECTION GA. STD. 1125 & 2332	 SYMBOL St	A PIPE OR BOX CULVERT OUTLET HEADWALL WITH AN APRON AND DISSIPATOR BLOCKS IS USED TO REDUCE VELOCITY AT THE OUTLET OF A PIPE PRIOR TO ENTERING AN EXISTING STREAM OR PUBLICLY MAINTAINED DRAINAGE SYSTEM. IT IS USED ON THE OUTLET OF ALL BOX CULVERTS AND ON 48" AND LARGER PIPES. MAY BE USED ON INLET FOR FLOWING STREAMS. USE ON SMALL PIPES WHEN OUTLET VELOCITY OF THE 25-YEAR STORM IS 12 fps AND GREATER.
St-Rp	STORM DRAIN OUTLET PROTECTION (RIP-RAP) CONSTRUCTION DETAIL D-55 SECTION 603	 PATTERN FLAT AREA St-Rp OR St-Rp WELL-DEFINED CHANNEL	RIP-RAP OUTLET PROTECTION IS USED TO REDUCE VELOCITY AT THE OUTLET OF A PIPE, CHANNEL, OR STRUCTURE PRIOR TO ENTERING AN EXISTING STREAM OR PUBLICLY MAINTAINED DRAINAGE SYSTEM. THE MINIMUM DESIGN OF RIP-RAP OUTLET PROTECTION SHALL BE THE 25-YEAR STORM PEAK FLOW, BUT LARGER STORMS ARE RECOMMENDED. TYPE-1 RIP-RAP AT A DEPTH OF 36" AND PLACED ON FILTER FABRIC IS PREFERRED FOR ALL d50 <= 1.2 FEET. TYPE-3 RIP-RAP AT A DEPTH OF 18" AND PLACED ON FILTER FABRIC MAY BE USED FOR d50 <= 0.7 FEET. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR REQUIRED DESIGN DIMENSIONS AND OTHER INFORMATION TO BE INCLUDED IN THE PLANS.
Su	SURFACE ROUGHENING SERRATED SLOPES CONSTRUCTION DETAIL S-7 SECTION 205	 LINE CODE Su	PROVIDING A ROUGH SOIL SURFACE WITH HORIZONTAL DEPRESSIONS, BY OPERATING A CLEATED DOZER ON THE SLOPE IN A VERTICAL DIRECTION. CREATING SERRATED SLOPES IN THE GRADING PROCESS TO CONSTRUCT BENCHES WILL REDUCE RUNOFF VELOCITY AND INCREASE INFILTRATION OF WATER. IN MOST CASES THIS BMP IS NOT REQUIRED TO BE SHOWN ON THE PLANS, BUT REQUIRED TO BE COMPLETED BY THE CONTRACTOR UNDER ALL PROJECTS. IF SERRATED SLOPES ARE SPECIFIED BY THE SOIL SURVEY, THEN THIS BMP SHALL BE SHOWN ON THE PLANS WHERE SERRATED SLOPES ARE TO BE USED.
Tc-F	TURBIDITY CURTAIN FLOATING CONSTRUCTION DETAIL D-51 SECTION 170	 WORK AREA FLOATING LINE CODE Tc-F	A FLOATING TURBIDITY CURTAIN IS USED TO PREVENT SEDIMENT FROM MOVING IN WATER BY ALLOWING IT TO DROP OUT OF SUSPENSION AND REMAIN WITHIN THE CONSTRUCTION AREA. IT IS TYPICALLY USED WHERE CONSTRUCTION IS REQUIRED IN A LARGE BODY OF WATER SUCH AS LAKES AND RIVERS. IT SHOULD BE USED AS DIRECTED BY THE ENGINEER. THIS BMP IS ONLY TO BE USED WHEN PERMITTED FILL IS BEING PLACED INTO A STATE WATER, OR AS A SUPPLEMENT TO ADEQUATELY PLACED PERIMETER BMPs. IT MAY ALSO BE REFERRED TO AS A FLOATING BOOM, SILT BARRIER, OR SILT CURTAIN.
Tc-S	TURBIDITY CURTAIN STAKED CONSTRUCTION DETAIL D-51 SECTION 170	 WORK AREA STAKED LINE CODE Tc-S	A STAKED TURBIDITY CURTAIN IS USED TO PREVENT SEDIMENT FROM MOVING IN WATER BY ALLOWING IT TO DROP OUT OF SUSPENSION AND REMAIN WITHIN THE CONSTRUCTION AREA. IT IS TYPICALLY USED IN SHALLOW INUNDATED AREAS. IT MAY BE USED TO PROTECT A SMALL STREAM BEING REALIGNED OR RESTORED. IN THIS CASE, CURTAIN SHOULD EXTEND TO BOTTOM OF STREAMBED. THE HEIGHT SHOULD BE LIMITED TO 5 FEET UNLESS DIRECTED AND EXTEND 2 FEET ABOVE NORMAL WATER ELEVATION. IT SHOULD BE USED AS DIRECTED BY THE ENGINEER. THIS BMP IS ONLY TO BE USED WHEN PERMITTED FILL IS BEING PLACED INTO A STATE WATER, OR AS A SUPPLEMENT TO ADEQUATELY PLACED PERIMETER BMPs. IT MAY BE REFERRED TO AS A SILT BARRIER OR SILT CURTAIN.

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION

NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

7/31/2015 GPLN

NO SCALE

REVISION DATES
3/2/2017

EROSION CONTROL LEGEND
UNIFORM CODE SHEET
SHEET 7 OF 7

CHECKED:	D. EAGLETON	DATE:	01/01/16
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 52-0007

10/23/2015 GPLN

JACOBS®

REVISION DATES

EROSION CONTROL LEGEND
15TH STREET EXTENSION

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

DRAWING No. 52-0007

TOTAL PROJECT AREA = 2.255 AC
TOTAL DISTURBED AREA = 1.520 AC

RECEIVING WATERS - TANYARD BRANCH

Jacobs

SCALE IN FEET
0 200 400 800

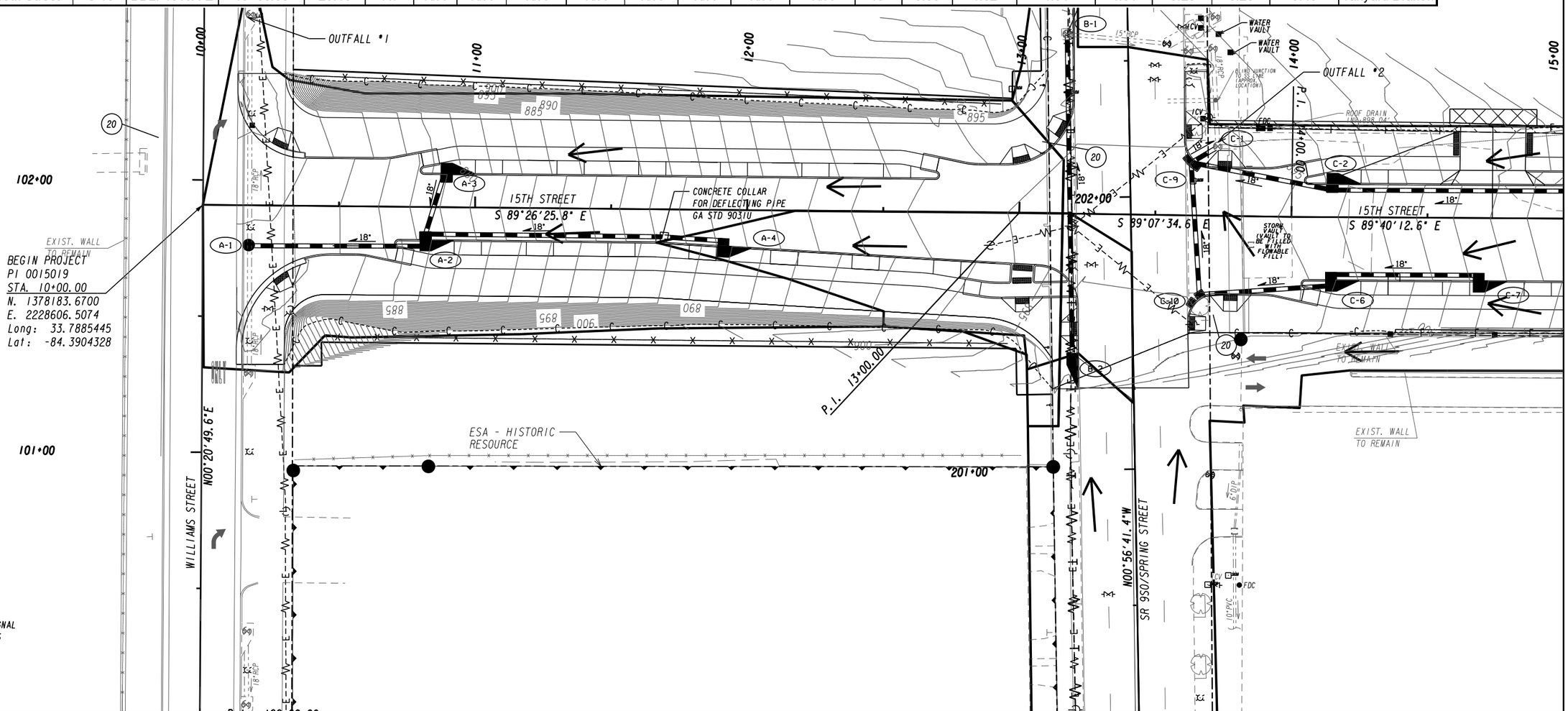
REVISION DATES

EROSION CONTROL DRAINAGE AREA MAP

15TH STREET EXTENSION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		53-0001
VERIFIED:		DATE:		

STRUCTURE INFORMATION						EXISTING								PROPOSED								
Alignment	Structure ID	Structure Type	Station	Offset	Side	Size	C	Q_{25} (ft^3/s)	Q_{50} (ft^3/s)	V_{25} (ft/s)	V_{50} (ft/s)	Area (ac)	Spread (ft)	Size	C	Q_{25} (ft^3/s)	Q_{50} (ft^3/s)	V_{25} (ft/s)	V_{50} (ft/s)	Area (ac)	Spread (ft)	Receiving Water
15th Street	A-1	1011A	10+17.31	14.91	RT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Tanyard Branch
15th Street	A-2	ATL "C"	10+81.74	14.26	RT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18"	0.90	3.24	4.06	10.94	12.34	0.10	4.99	Tanyard Branch
15th Street	A-3	ATL "C"	10+89.19	14.15	LT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18"	0.90	1.70	2.23	9.58	10.42	0.11	3.79	Tanyard Branch
15th Street	A-4	ATL "C"	11+68.61	14.34	RT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18"	0.90	0.65	0.89	6.36	7.03	0.09	3.56	Tanyard Branch
Spring Street	B-1	ATL "C"	202+60.08	22.28	LT	15"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	15"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Tanyard Branch
Spring Street	B-2	ATL "C"	201+40.89	22.37	LT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18"	0.90	1.63	2.09	6.28	6.75	0.23	7.44	Tanyard Branch
15th Street	C-1	1011A	13+72.59	25.43	LT	18"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Tanyard Branch
15th Street	C-2	ATL "C"	14+14.90	14.06	LT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18"	0.90	4.64	6.26	10.74	11.70	0.11	5.72	Tanyard Branch
15th Street	C-6	ATL "C"	14+14.64	25.27	RT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18"	0.90	1.44	1.83	4.87	4.83	0.08	4.61	Tanyard Branch
15th Street	C-7	ATL "C"	14+68.98	25.18	RT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18"	0.90	0.88	1.16	5.85	6.36	0.13	5.14	Tanyard Branch
15th Street	C-9	DBL. 1019A-E	13+62.91	19.37	LT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18"	0.90	2.74	3.57	9.56	10.30	0.16	5.67	Tanyard Branch
15th Street	C-10	DBL. 1019A-E	13+66.68	29.16	RT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18"	0.90	1.52	1.91	4.91	5.23	0.25	5.40	Tanyard Branch



REVISION DATES
7/27/21

EROSION CONTROL DRAINAGE AREA MAP

15TH STREET EXTENSION

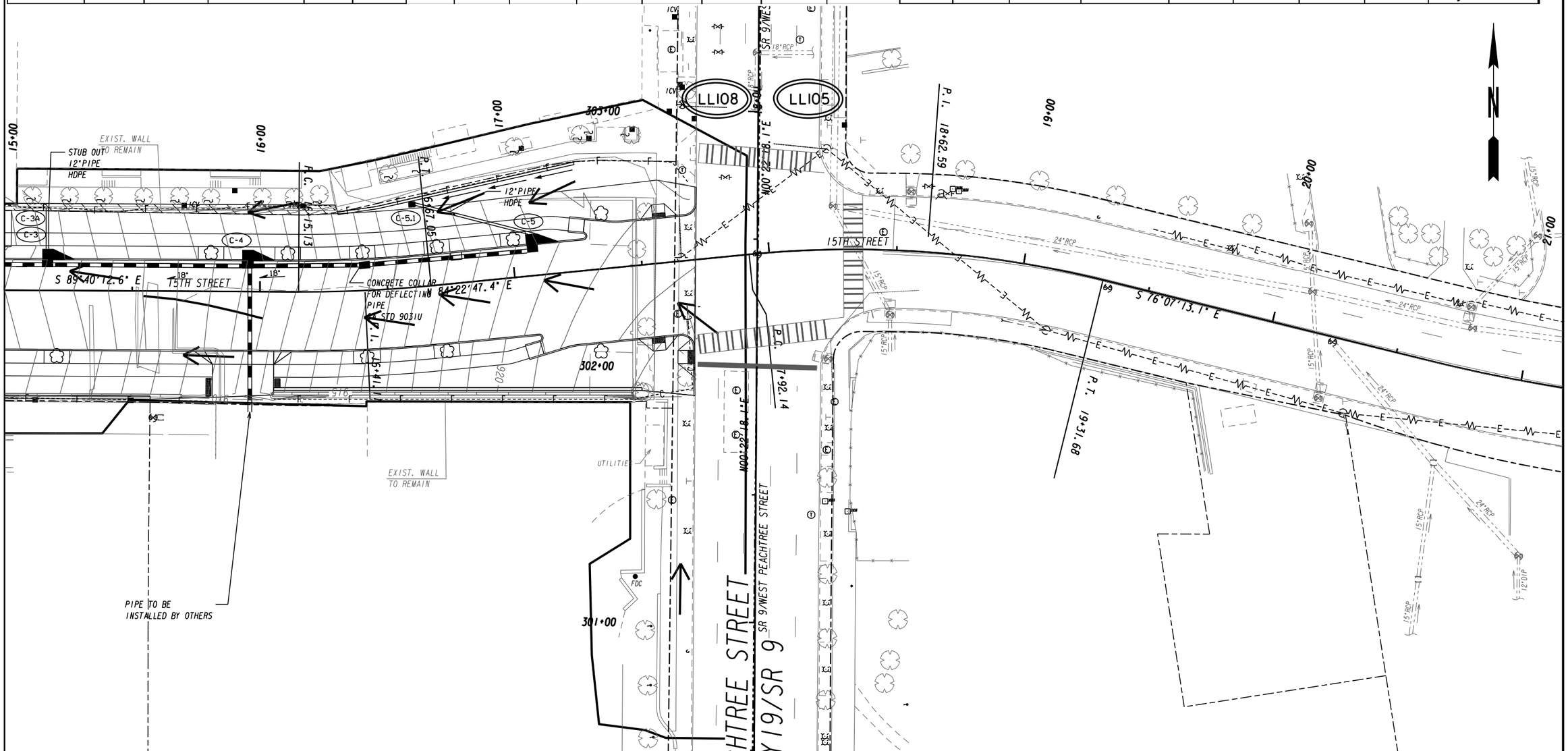
CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		53-0002
CORRECTED:		DATE:		
VERIFIED:		DATE:		

Jacobs

SCALE IN FEET 0 20 40 80

10/23/2015 GPLN

STRUCTURE INFORMATION						EXISTING								PROPOSED								
Alignment	Structure ID	Structure Type	Station	Offset	Side	Size	C	Q_{25} (ft^3/s)	Q_{50} (ft^3/s)	V_{25} (ft/s)	V_{50} (ft/s)	Area (ac)	Spread (ft)	Size	C	Q_{25} (ft^3/s)	Q_{50} (ft^3/s)	V_{25} (ft/s)	V_{50} (ft/s)	Area (ac)	Spread (ft)	Receiving Water
15th Street	C-3	ATL "C"	14+99.52	11.00	LT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18"	0.90	3.72	4.99	10.80	11.76	0.17	5.64	Tanyard Branch
15th Street	C-4	ATL "C"	15+88.67	11.00	LT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18"	0.90	2.67	3.69	10.67	11.71	0.12	4.34	Tanyard Branch
15th Street	C-5	ATL "C"	16+77.97	14.14	LT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18"	0.85	1.55	1.94	9.74	10.43	0.28	5.23	Tanyard Branch



MATCH LINE STA. 15+00 DRAWING No. 21-0002

10/23/2015 GPLN

Jacobs

SCALE IN FEET
0 20 40 80

REVISION DATES

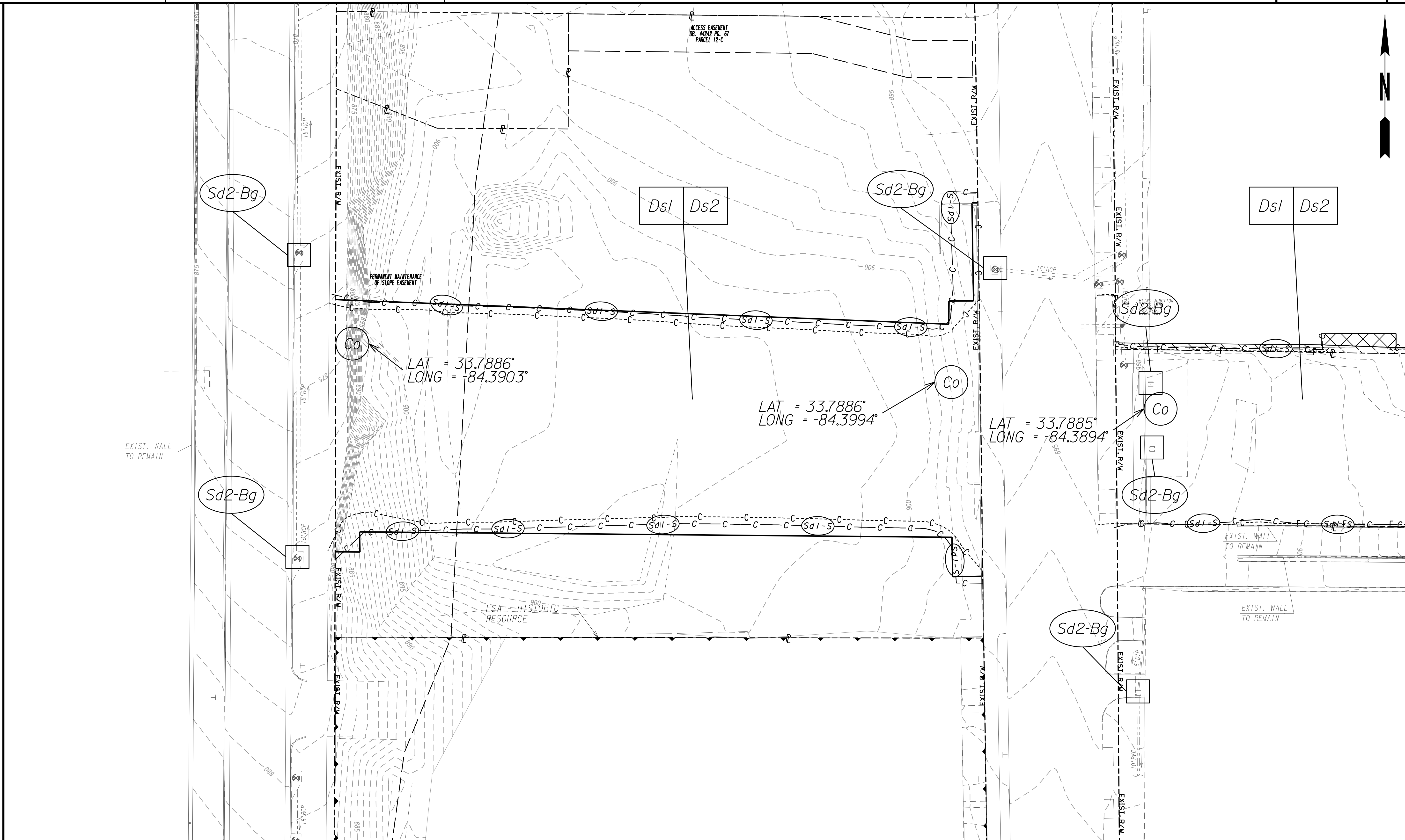
EROSION CONTROL DRAINAGE AREA MAP

15TH STREET EXTENSION

CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	53-0003
VERIFIED:		DATE:	

1/6/2022 11:55:13 AM GPLOT-V8 0015019_54-0001.dgn
ThomasKG gplotborder-V8i-P0.tbl

P.I. No. 0015019



PROPERTY AND EXISTING R/W LINE		BEGIN LIMIT OF ACCESS............BLA
REQUIRED R/W LINE		END LIMIT OF ACCESS.............ELA
CONSTRUCTION LIMITS	—C— F-	REQ'D LIMIT OF ACCESS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES		REQ'D LIMIT OF ACCESS & R/W
EASEMENT FOR CONSTR OF SLOPES		ORANGE BARRIER FENCE
EASEMENT FOR CONSTR OF DRIVES		ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

Jacobs

SCALE IN FEET
0 20 40 80

REVISION DATES
9/13/21

INITIAL PHASE BMP LOCATION DETAILS

15TH STREET EXTENSION

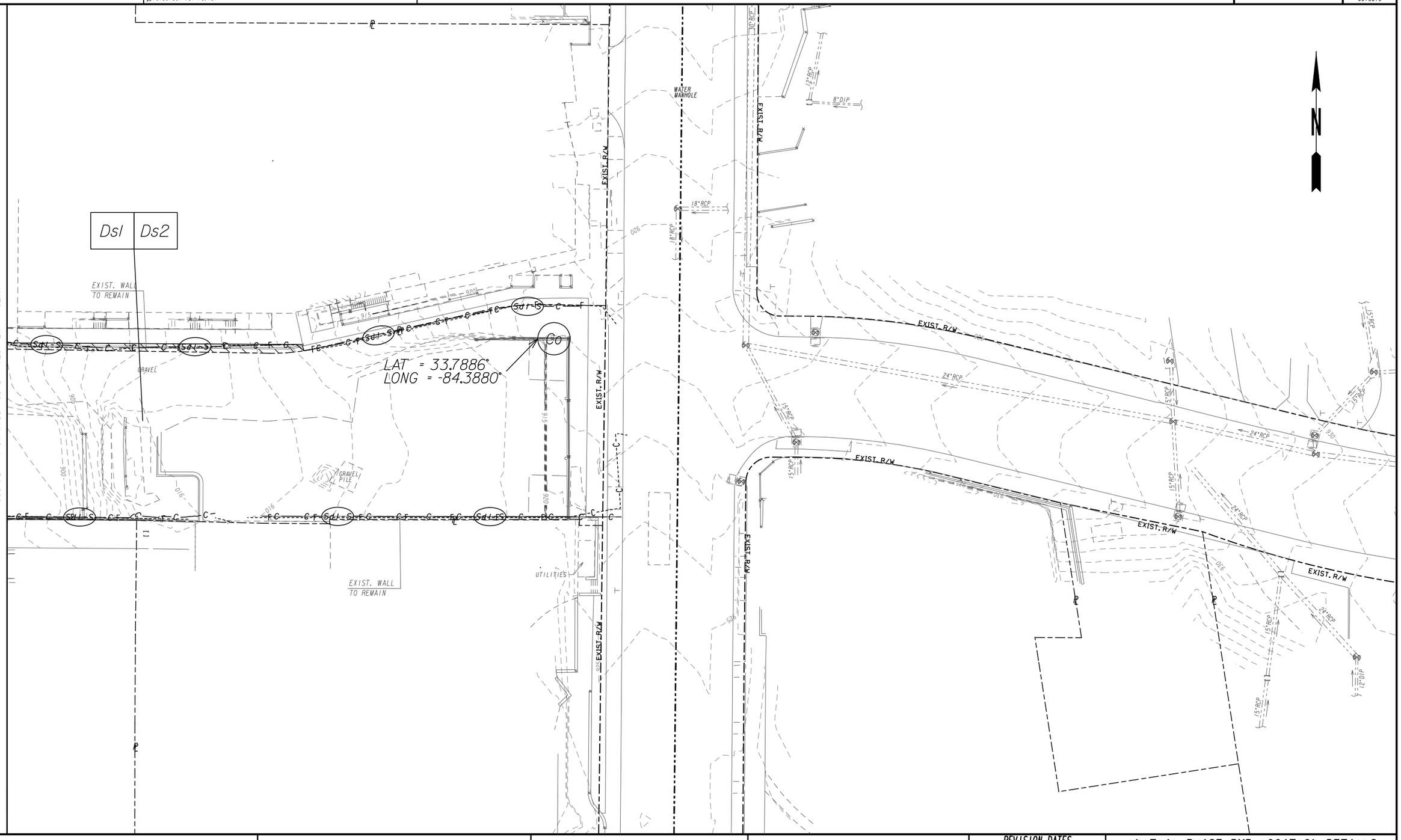
INITIAL STAGE

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

DRAWING No. 54-0001

10/23/2015 GPLN

MATCH LINE STA. 15+00 DRAWING No. 54-0001



PROPERTY AND EXISTING R/W LINE	BEGIN LIMIT OF ACCESS.....BLA
REQUIRED R/W LINE	END LIMIT OF ACCESS.....ELA
CONSTRUCTION LIMITS	REQ'D LIMIT OF ACCESS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	REQ'D LIMIT OF ACCESS & R/W
EASEMENT FOR CONSTR OF SLOPES	ORANGE BARRIER FENCE
EASEMENT FOR CONSTR OF DRIVES	ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

Jacobs

SCALE IN FEET
0 20 40 80

REVISION DATES
7/27/21
9/13/21
10/01/21

INITIAL PHASE BMP LOCATION DETAILS

15TH STREET EXTENSION

INITIAL STAGE

CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	54-0002
VERIFIED:		DATE:	

WILLIAMS STREET
SR 950/SPRING STREET
15TH STREET
EXIST. R/W
EXIST. WALL TO REMAIN
ESA - HISTORIC RESOURCE
CLEAN OUT STRUCTURE & PIPE
BLIND JUNCTION (APPROX. LOCATION)
MATCH LINE STA. 15+00
15+00 DRAWING No. 54-0004
101+00
102+00
103+00
200+00
201+00
202+00
203+00
10+00
11+00
12+00
13+00
14+00
15+00
Sd2-Bg
Ds3
Ds4
Ds1
Sd1-S
Sd1-FS
Sd1-PS
Sd1-RS
Sd1-SS
Sd1-TS
Sd1-WS
Sd1-XS
Sd1-YS
Sd1-ZS
18" RCP
15" RCP
48" RCP
6" DIP
10" PVC

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

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

Jacobs

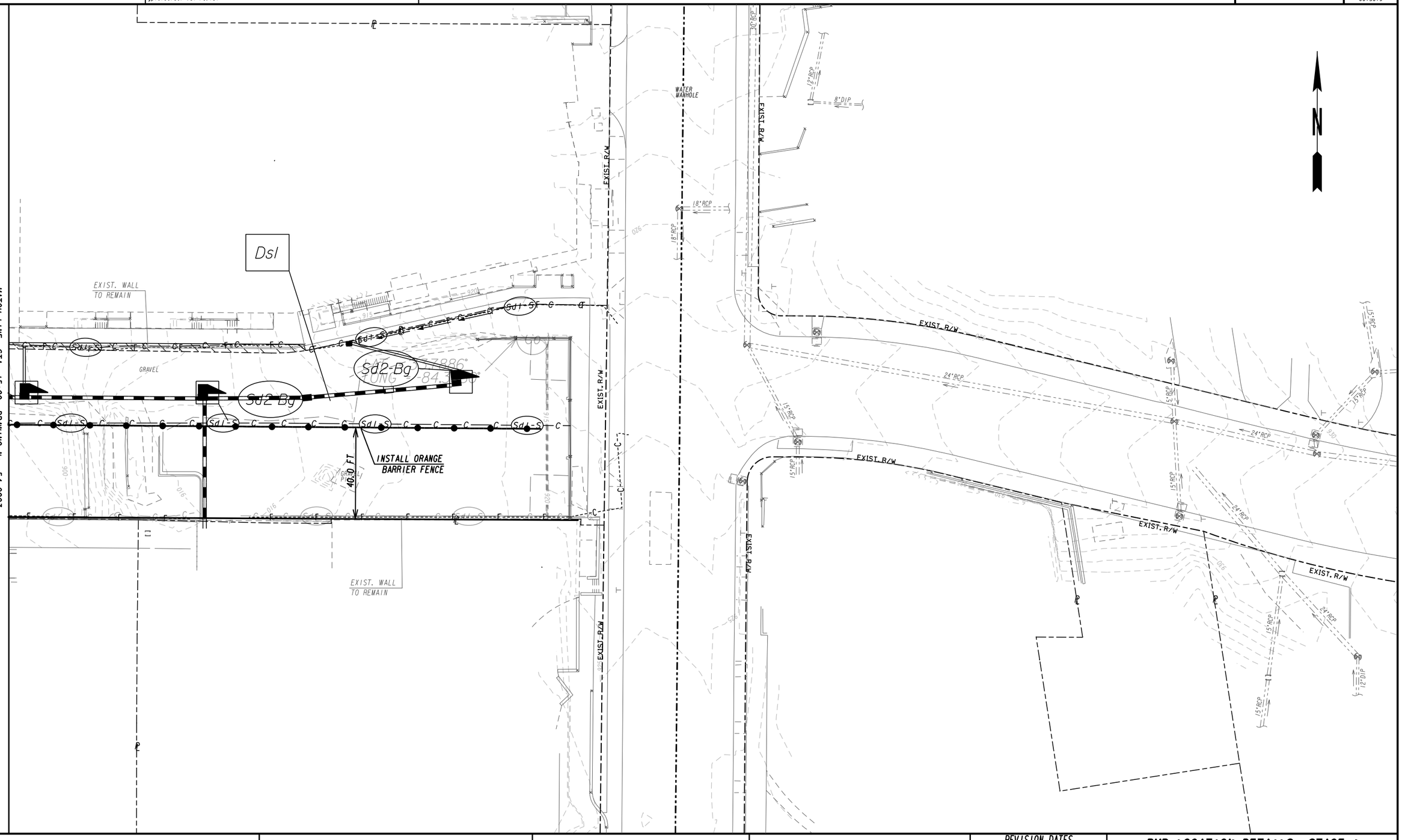
SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS -STAGE 1
15TH STREET EXTENSION
INTERMEDIATE/FINAL STAGE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		54-0003
CORRECTED:		DATE:		
VERIFIED:		DATE:		

MATCH LINE STA. 15+00 DRAWING No. 54-0003



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

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

Jacobs

SCALE IN FEET
0 20 40 80

REVISION DATES
10/01/21

BMP LOCATION DETAILS -STAGE 1

15TH STREET EXTENSION

INTERMEDIATE/FINAL STAGE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		54-0004
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN

WILLIAMS STREET

SR 950/SPRING STREET

15TH STREET

15TH STRFFT.

EXIST. WALL TO REMAIN

EXIST. WALL TO REMAIN

EXIST. WALL TO REMAIN

ESA - HISTORIC RESOURCE

P.I. 13+00.00

P.I. 14+00.00

MATCH LINE STA. 15+00 DRAWING No. 54-0006

103+00 102+00 101+00 10+00 11+00 12+00 13+00 14+00 15+00 203+00 202+00 201+00

Ds3 | Ds4

Sd2-Bg

Sd1-S

EXIST. R/W

18" RCP 15" RCP 24" RCP 30" RCP 48" RCP

BLIND JUNCTION (SEE TYPE I APPROX. LOCATION)

LAT = 33.7886° LONG = -84.3905°

LAT = 33.7885° LONG = -84.3894°

N

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

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

Jacobs

SCALE IN FEET
0 20 40 80

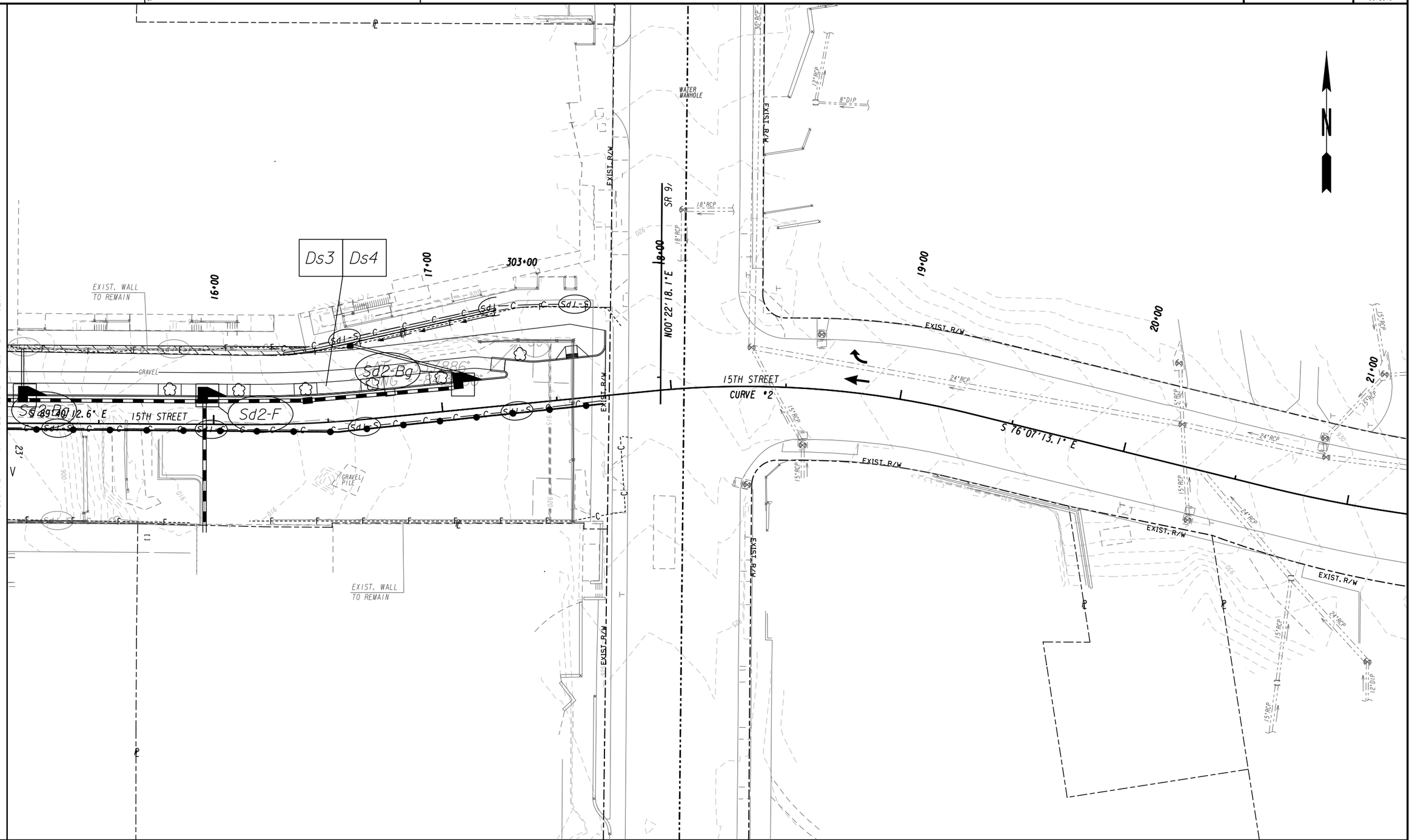
REVISION DATES

BMP LOCATION DETAILS-STAGE 2
15TH STREET EXTENSION
INTERMEDIATE/FINAL STAGE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		54-0005
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN

MATCH LINE STA. 15+00 DRAWING No. 54-005



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

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

Jacobs

SCALE IN FEET
0 20 40 80

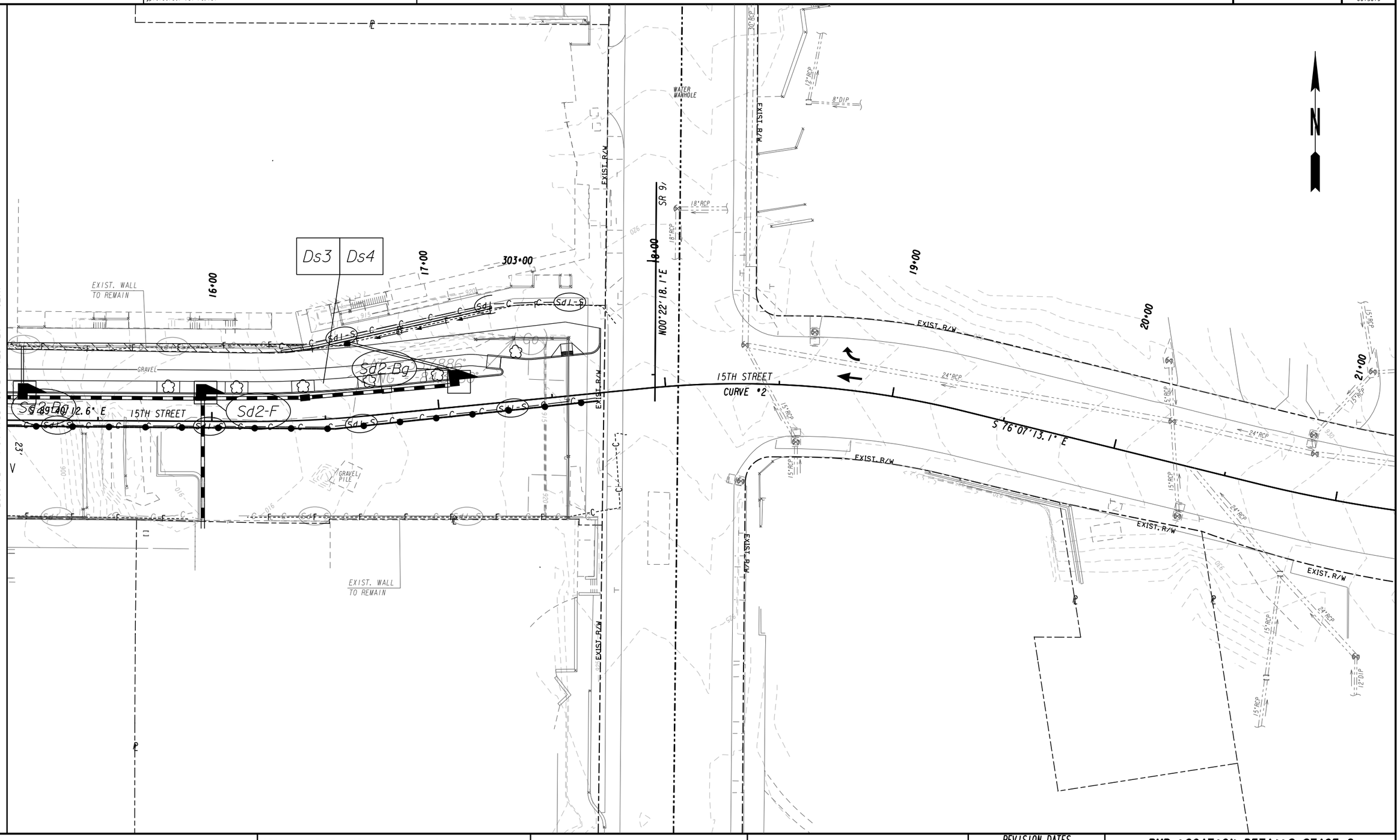
REVISION DATES
10/01/21

BMP LOCATION DETAILS-STAGE 2
15TH STREET EXTENSION
INTERMEDIATE/FINAL STAGE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		54-0006
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN

MATCH LINE STA. 15+00 DRAWING No. 54-0003



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

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

Jacobs

SCALE IN FEET
0 20 40 80

REVISION DATES
10/01/21

BMP LOCATION DETAILS-STAGE 2
15TH STREET EXTENSION
INTERMEDIATE/FINAL STAGE

CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	54-0006A
CORRECTED:		DATE:	
VERIFIED:		DATE:	

WILLIAMS STREET
SR 950/SPRING STREET
15TH STREET
EXIST. WALL TO REMAIN
ESA - HISTORIC RESOURCE
EXIST R/W
P.I. 13+00.00
LAT = 33.7886°
LONG = -84.3894°
BLIND JUNCTION (TO BE FINE LAPPROX. LOCATION)
MATCH LINE STA. 15+00
DRAWING No. 54-0008
N

PROPERTY AND EXISTING R/W LINE	BEGIN LIMIT OF ACCESS.....BLA
REQUIRED R/W LINE	END LIMIT OF ACCESS.....ELA
CONSTRUCTION LIMITS	REQ'D LIMIT OF ACCESS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	REQ'D LIMIT OF ACCESS & R/W
EASEMENT FOR CONSTR OF SLOPES	ORANGE BARRIER FENCE
EASEMENT FOR CONSTR OF DRIVES	ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

Jacobs

SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS-STAGE 3
15TH STREET EXTENSION
INTERMEDIATE/FINAL STAGE

		DATE:		DRAWING No.
CHECKED:				
BACKCHECKED:		DATE:		54-0007
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN

WILLIAMS STREET
SR 950/SPRING STREET
15TH STREET
EXIST. WALL TO REMAIN
ESA - HISTORIC RESOURCE
CLEAN OUT STRUCTURE & PIPE
BLIND JUNCTION TO STORE (APPROX. LOCATION)
EXIST. R/W
P.I. 13+00.00
P.I. 14+00.00
MATCH LINE STA. 15+00
DRAWING No. 54-0008A
LAT = 33.7886°
LONG = -84.3894°
Ds3 | Ds4
Sd2-Bg
Sd1-S
103+00
102+00
101+00
10+00
11+00
12+00
13+00
14+00
15+00
201+00
202+00
203+00

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

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

Jacobs

SCALE IN FEET
0 20 40 80

REVISION DATES

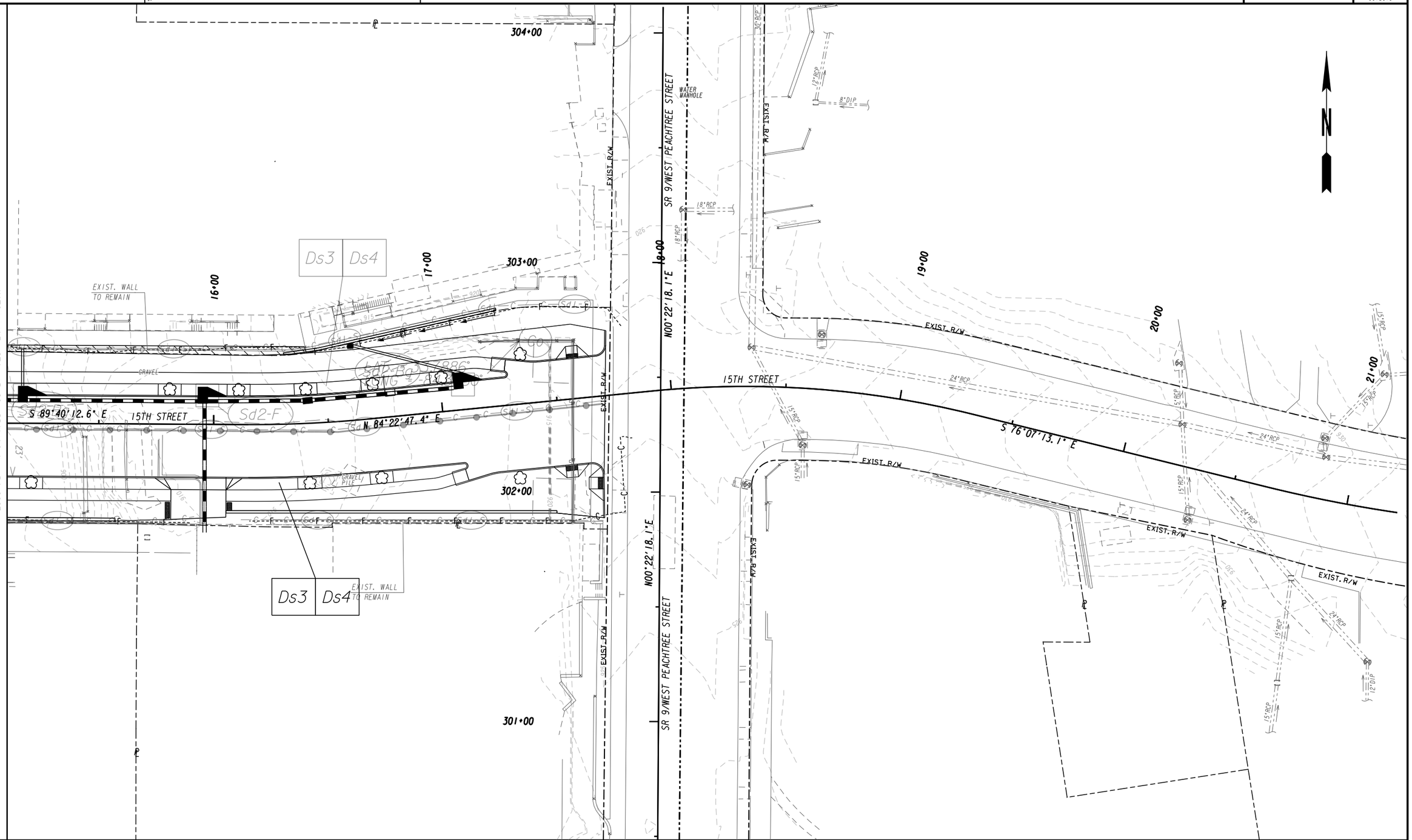
BMP LOCATION DETAILS-STAGE 3
15TH STREET EXTENSION
INTERMEDIATE/FINAL STAGE

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

DRAWING No. 54-0007A

10/23/2015 GPLN

MATCH LINE STA. 15+00 DRAWING No. 54-0007



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

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

Jacobs

SCALE IN FEET
0 20 40 80

REVISION DATES
10/01/21

BMP LOCATION DETAILS-STAGE 3

15TH STREET EXTENSION

INTERMEDIATE/FINAL STAGE

CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	54-0008
CORRECTED:		DATE:	
VERIFIED:		DATE:	

10/23/2015 GPLN

MATCH LINE STA. 15+00 DRAWING No. 54-0007A

PL 304+00

EXIST. WALL TO REMAIN

Ds3 Ds4

16+00 17+00 303+00 18+00 19+00 20+00 21+00

EXIST R/W

SR 9/WEST PEACHTREE STREET

N00°22'18.1"E

WATER MANHOLE

30" RCP 12" RCP 8" DIP 18" RCP 24" RCP 15" RCP 12" DIP

GRAVEL

15TH STREET

S 89°40'12.6" E

N 84°22'47.4" E

S 76°07'13.1" E

302+00

301+00

Ds3 Ds4 EXIST. WALL TO REMAIN

N00°22'18.1"E SR 9/WEST PEACHTREE STREET

EXIST R/W

EXIST. R/W

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

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

Jacobs

SCALE IN FEET
0 20 40 80

REVISION DATES
10/01/21

BMP LOCATION DETAILS-STAGE 3

15TH STREET EXTENSION

INTERMEDIATE/FINAL STAGE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		54-0008A
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN

WILLIAMS STREET
SR 950/SPRING STREET
15TH STREET
EXIST. WALL TO REMAIN
ESA - HISTORIC RESOURCE
CLEAN OUT STRUCTURE & PIPE
BLIND JUNCTION TO 55 LINE (APPROX. LOCATION)
EXIST R/W
P.I. 13+00.00
P.I. 14+00.00
103+00
102+00
101+00
100+00
200+00
201+00
202+00
203+00
MATCH LINE STA. 15+00
DRAWING No. 54-0010

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

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

Jacobs

SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS-STAGE 4
15TH STREET EXTENSION
INTERMEDIATE/FINAL STAGE

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

DRAWING No. 54-0009

10/23/2015 GPLN

WILLIAMS STREET

SR 950/SPRING STREET

15TH STREET

103+00 102+00 101+00 100+00 200+00 201+00 202+00 203+00 10+00 11+00 12+00 13+00 14+00 15+00

P.I. 13+00.00

P.I. 14+00.00

EXIST. R/W

EXIST. WALL TO REMAIN

ESA - HISTORIC RESOURCE

CLEAN OUT STRUCTURE & PIPE

BLIND JUNCTION TO 6" STUB (APPROX. LOCATION)

18" RCP

15" RCP

48" RCP

6" DIP

10" PVC

MATCH LINE STA. 15+00

15+00 DRAWING No. 54-0010A

N

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

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

Jacobs

SCALE IN FEET
0 20 40 80

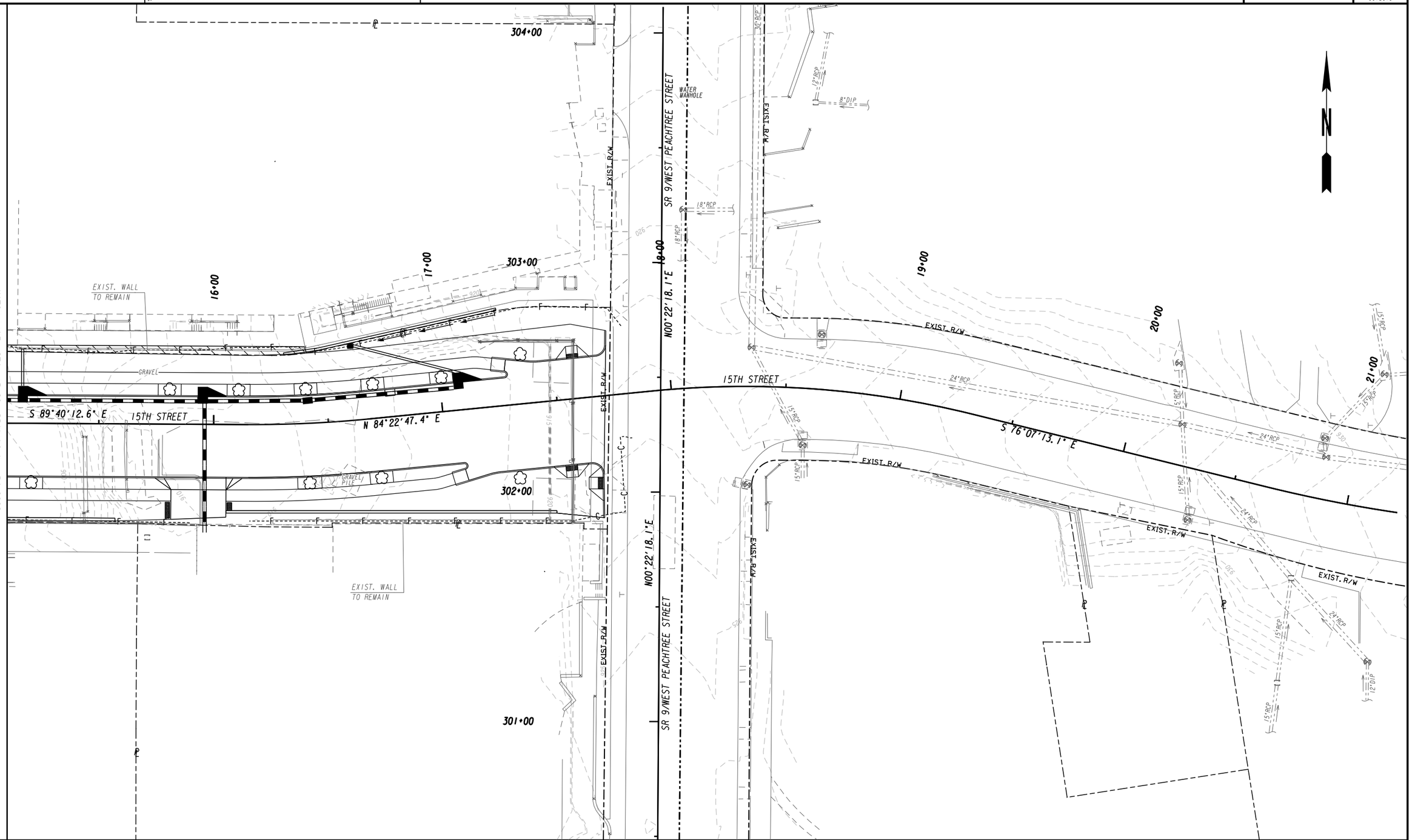
REVISION DATES

BMP LOCATION DETAILS-STAGE 4
15TH STREET EXTENSION
INTERMEDIATE/FINAL STAGE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		54-0009A
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN

MATCH LINE STA. 15+00 DRAWING No. 54-0009



PROPERTY AND EXISTING R/W LINE	BEGIN LIMIT OF ACCESS.....BLA
REQUIRED R/W LINE	END LIMIT OF ACCESS.....ELA
CONSTRUCTION LIMITS	REQ'D LIMIT OF ACCESS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	REQ'D LIMIT OF ACCESS & R/W
EASEMENT FOR CONSTR OF SLOPES	ORANGE BARRIER FENCE
EASEMENT FOR CONSTR OF DRIVES	ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

Jacobs

SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS-STAGE 4

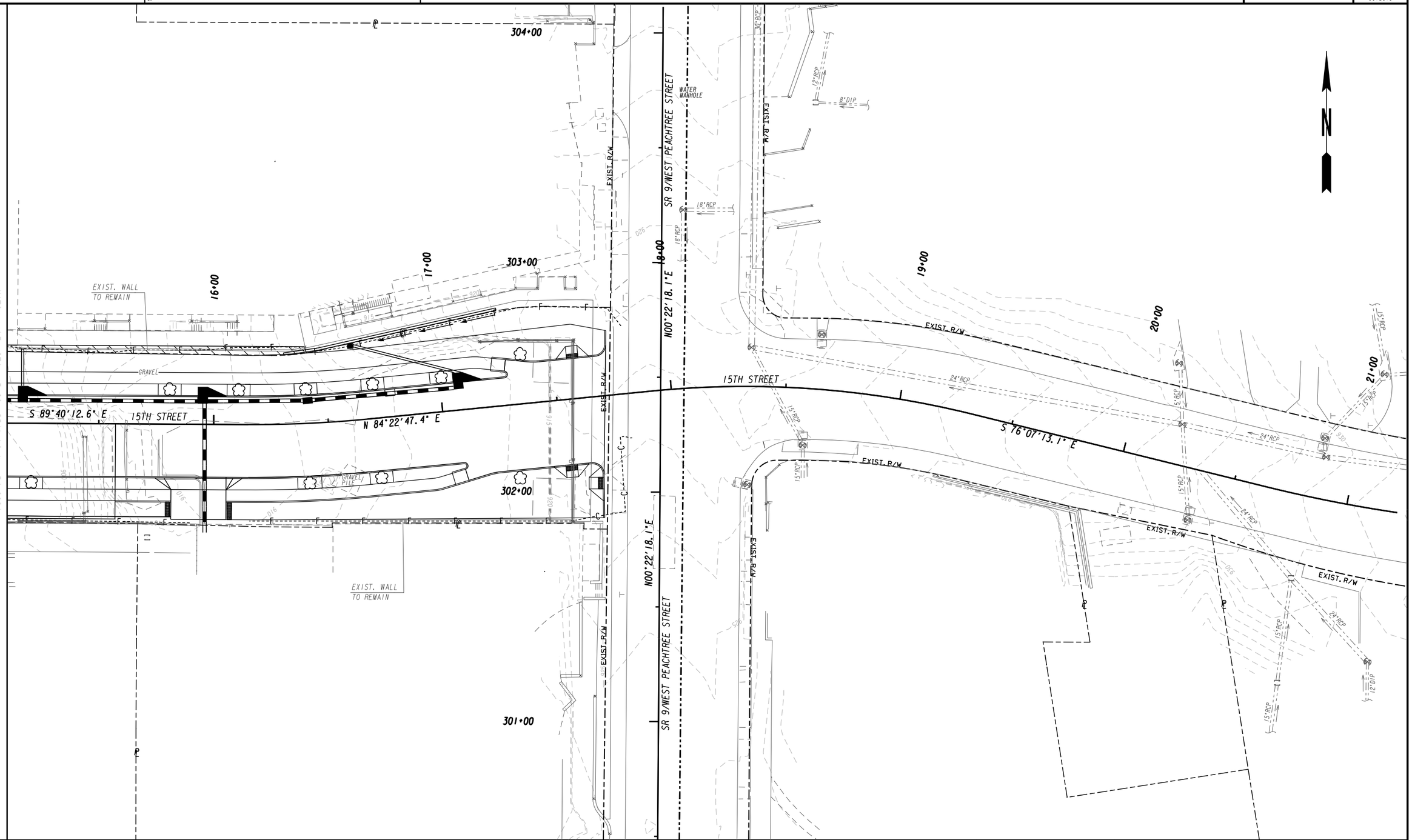
15TH STREET EXTENSION

INTERMEDIATE/FINAL STAGE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		54-0010
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN

MATCH LINE STA. 15+00 DRAWING No. 54-009A



PROPERTY AND EXISTING R/W LINE	BEGIN LIMIT OF ACCESS.....BLA
REQUIRED R/W LINE	END LIMIT OF ACCESS.....ELA
CONSTRUCTION LIMITS	REQ'D LIMIT OF ACCESS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	REQ'D LIMIT OF ACCESS & R/W
EASEMENT FOR CONSTR OF SLOPES	ORANGE BARRIER FENCE
EASEMENT FOR CONSTR OF DRIVES	ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

Jacobs

SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS-STAGE 4
15TH STREET EXTENSION
INTERMEDIATE/FINAL STAGE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		54-0010A
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN

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ThomasKG

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P. I. No.
0015019

20TH ST

RECEIVING WATER TO TANYARD BRANCH

STATE ST

NW

401
403

PEACHTREE ST

CIR NE

950

900

LAFAYETTE DR

15TH ST NE

OUTFALL SAMPLING LOCATION #1
IWILLIAM STREET
STA 102+61.0
17.00, RT
DRAINAGE AREA 0.65 AC
DISTURBED AREA 0.61 AC

MECASLIN ST NW

ST NW

LANTIC DR

14TH ST NE

OUTFALL SAMPLING LOCATION #2
SPRING STREET
STA 202+18.59
32+39', RT
DRAINAGE AREA 1.68 AC
DISTURBED AREA A=0.91 AC

PO

Westwood Coll

NIPER ST NE

JACOBS™

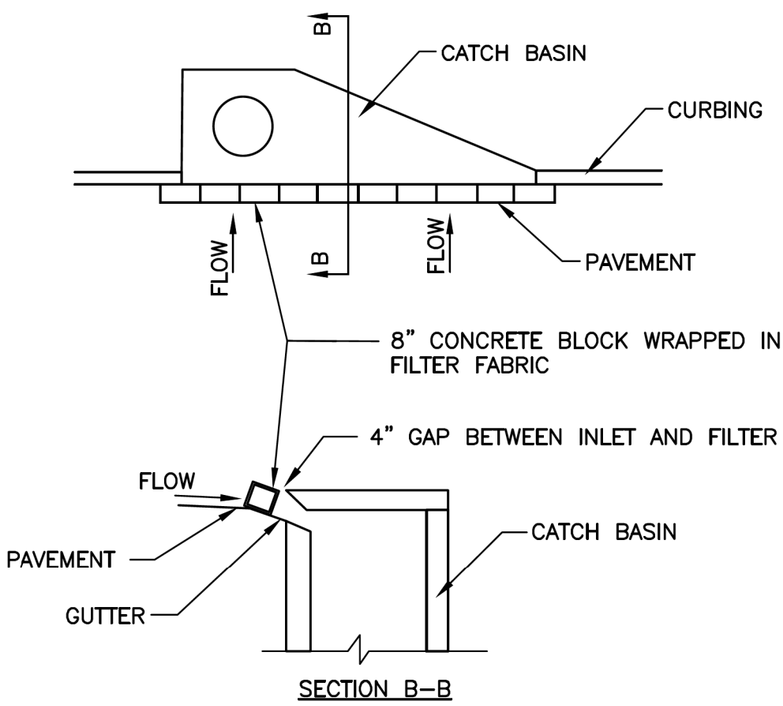
SCALE IN FEET
0 200 400 800

REVISION DATES

WATERSHED MAP SITE MONITORING PLAN
15TH STREET EXTENSION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		55-0001
VERIFIED:		DATE:		

10/23/2015 GPLN



CURB INLET PROTECTION

ONCE PAVEMENT HAS BEEN INSTALLED, A CURB INLET FILTER SHALL BE INSTALLED ON INLETS RECEIVING RUNOFF FROM DISTURBED AREAS. THIS METHOD OF INLET PROTECTION SHALL BE REMOVED IF A SAFETY HAZARD IS CREATED.

ONE METHOD OF CURB INLET PROTECTION USES "PIGS–IN–A–BALNKET": 8–INCH CONCRETE BLOCKS WRAPPED IN FILTER FABRIC. SEE DETAIL. ANOTHER METHOD USES GRAVEL BAGS CONSTRUCTED BY WRAPING DOT #57 STONE WIHT FILTER FABRIC, WIRE, PLASTIC MESH, OR EQUIVALENT MATERIAL.
A GAP OF APPROXIMATELY 4 INCHES SHALL BE LEFT BETWEEN THE INLET FILTER AND THE INLET TO ALLOW FOR OVERFLOW AND PREVENT HAZARDOUS PONDING IN THE ROADWAY.
PROPER INSTALLATION AND MAINTENANCE ARE CRUCIAL TO AVOID PONDING IN THE ROADWAY, RESULTING IN A HAZARDOUS CONDITION.

(Sd2–P) CURB INLET PROTECTION

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.
	CURB INLET PROTECTION 1 OF 2	DETAIL NO. ER–G_SD002

Jacobs

REVISION DATES

EROSION CONTROL CONTRUCTION DETAILS

I5TH STREET EXTENSION

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

DRAWING NO. 56-0001

P.I. No. 0015019

0015019-56-0001.dgn

gpriotborder-v8i-PD_tbl

GPK.OT-V8

12:07:08 PM

1/6/2022

ThomasKC

GPK

10/31/2015

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.

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.

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

CURB INLET PROTECTION 2 OF 2

REV.
DATE: OCT. 2011
ORIG. DATE: NOV 2004
SCALE: N.T.S.

DETAIL NO. ER–G_SD002

Jacobs

REVISION DATES

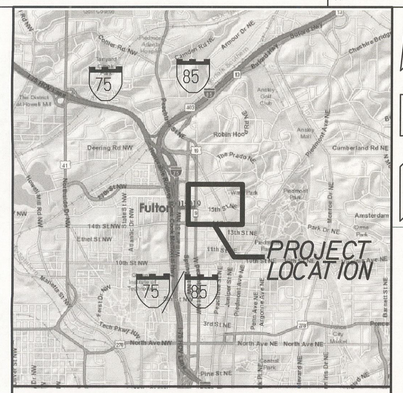
EROSION CONTROL CONTRUCTION DETAILS

15TH STREET EXTENSION

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

DRAWING NO. 56-0002

P.I. No. 001509



LOCATION SKETCH

NOTE: THE CO-ORDINATES LISTED ARE WEST ZONE GRID CO-ORDINATES BASED ON THE GA. STATE PLANE CO-ORDINATE SYSTEM OF 1984.
HORIZONTAL DATUM : NAD 83/84 HARN
VERTICAL DATUM : NAVD 1988

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

RIGHT OF WAY OF PROPOSED 15TH STREET EXTENSION FROM SR 9/WEST PEACHTREE STREET TO CS 673/WILLIAMS STREET FULTON COUNTY

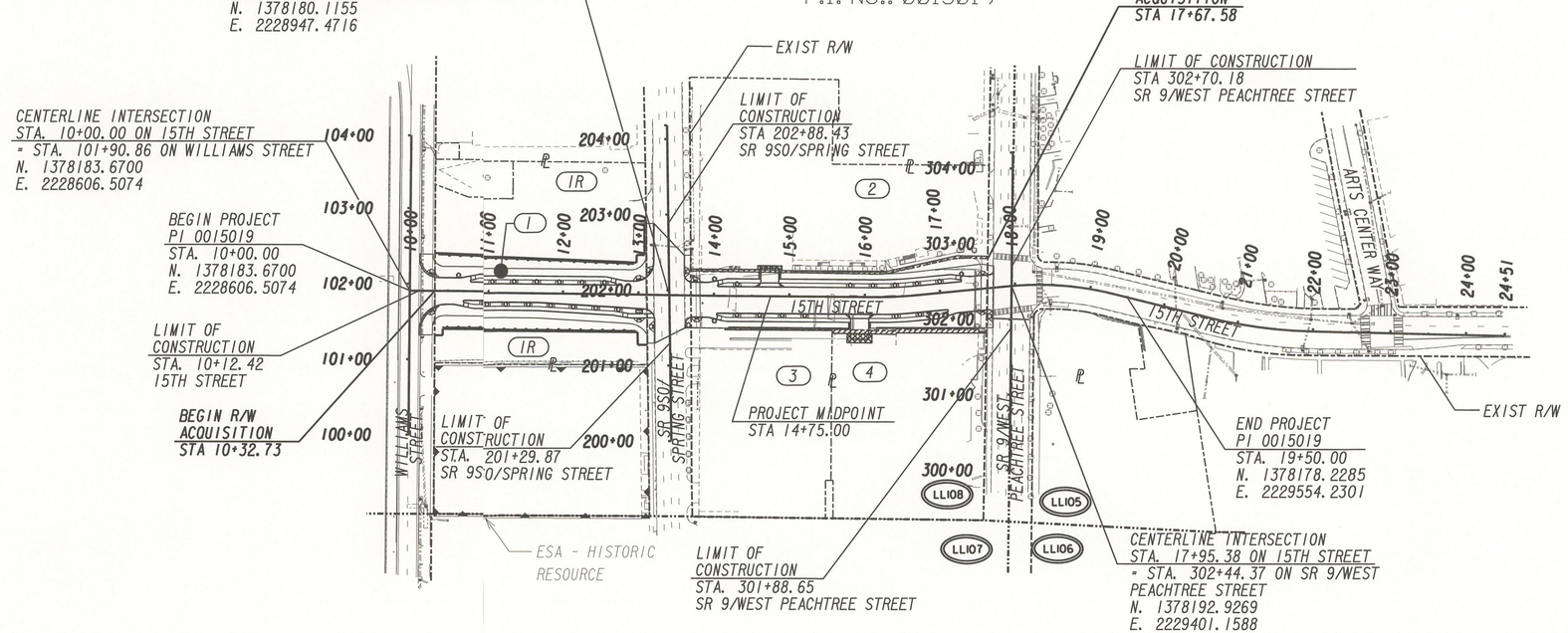
FEDERAL AID PROJECT

0015019

FEDERAL ROUTE No.: N/A
STATE ROUTE No.: N/A
P.I. No.: 0015019

CONVENTIONAL SIGNS

STATE OR COUNTY LINE	
CITY LIMIT LINE	
LAND LOT LINE	
PROPERTY LINE	
SURVEY OR BASE LINE	
RIGHT OF WAY LINE: EXISTING	
RIGHT OF WAY LINE: REQUIRED	
RIGHT OF WAY LINE: LIMIT OF ACCESS	
RIGHT OF WAY LINE: REQD R/W & LIMIT OF ACCESS	
RIGHT OF WAY LINE: R/W MARKERS	
FENCE	
RAILROAD	
POWER LINE	
TELEPHONE LINE	
POWER/UTILITY POLES	
LIGHT POLES	



PLANS PREPARED BY

JACOBS ENGINEERING GROUP, INC.

UNDER THE SUPERVISION OF

BRYAN RICKS, P.E.

APPROVED: Troy D. Byers — MAY 07, 2020
TROY D, BYERS STATE RIGHT OF WAY ADMINISTRATOR — DATE

LOCATION AND DESIGN APPROVAL DATE: APRIL 20, 2020

PLANS COMPLETED DATE: NOVEMBER 27, 2019

REVISIONS:

06/16/2020	
07/09/2020	
03/29/2021	
06/09/2021	

DRAWING No. 60-0001

JACOBS

SCALE IN FEET
0 100 200 400

LENGTH OF RIGHT OF WAY PROJECT	COUNTY NO. 121
	MILES
NET LENGTH OF RIGHT OF WAY	0.139
NET LENGTH OF BRIDGES	0.000
NET LENGTH OF EXCEPTIONS	0.000
GROSS LENGTH OF RIGHT OF WAY	0.139

THIS PROJECT IS LOCATED 100% IN FULTON COUNTY AND CONGRESSIONAL DISTRICT 5.

0015019
FULTON COUNTY

(3) BEGIN ORNAMENTAL FENCE
STA. 10+44.00
OFF. 48.00'

LIMIT OF CONSTRUCTION
STA. 102+39.22
WILLIAMS STREET

103+00

CENTERLINE INTERSECTION
STA. 10+00.00 ON 15TH STREET
= STA. 101+90.86 ON WILLIAMS STREET
N. 1378183.6700
E. 2228606.5074

(5) END ORNAMENTAL FENCE
STA. 12+92.98
OFF. 39.91' LT

(8) END ORNAMENTAL FENCE
STA. 12+96.25
OFF. 48.04' RT

102+00

BEGIN PROJECT
PI 0015019
STA. 10+00.00
N. 1378183.6700
E. 2228606.5074

101+00

LIMIT OF CONSTRUCTION
STA. 101+32.30
WILLIAMS STREET

WILLIAMS STREET N00°20'49.6"E

EXIST R/W

10+00

11'00 REQ'D R/W

DE10150
BEGIN ORNAMENTAL FENCE
STA. 10+37.48
OFF. 47.86' LT

DE10151

12+00

N/F
ROSEMARIE SPILLANE

N/F
1270 SPRING STREET, LLC

CENTERLINE INTERSECTION
STA. 13+40.98 ON 15TH STREET
= STA. 201+93.53 ON
SR 9SO/SPRING STREET
N. 1378180.1155
E. 2228947.4716

(1) N/F
GEORGIA DEPARTMENT
OF TRANSPORTATION
SEE SHEET 3

DE10160
DE10159
203+00
DE10158
DE10195
DE10152

13+00 REQ'D R/W

EXIST R/W

N00°56'41.4"W SR 9SO/SPRING STREET

B-1

(5)

REQ'D R/W

A-3

15TH STREET
S 89°26'25.8" E

18"

CONCRETE COLLAR
FOR DEFLECTING PIPE
GA STD 9031U

A-4

A-1

A-2

202+00

S 89°07'34.6" E

EXIST R/W

LIMIT OF CONSTRUCTION
STA. 202+88.43
SR 9SO/SPRING STREET

(2) N/F
DEVELOPMENT AUTHORITY
OF FULTON COUNTY
SEE SHEETS 3, 4

DE10013
DE10012
14+00.00
P.I.
14+00.00

DE10014
DE10117
DE10164
DE10118
15+00

C-1
C-2
C-9
24'
DW 1
5
74

15TH STREET
S 89°40'12.6" E N/F
GEORGIA DEPARTMENT
OF TRANSPORTATION
SEE SHEETS 3, 4

C-10
C-6
C-7
21

BEGIN WALL NO. *1
GA. STD. PRW-1
STA. 14+38.44
OFF. 41.49' RT

MATCH LINE STA. 15+00 DRAWING No. 60-0004

(3)

REQ'D R/W

DE10155
DE10173
DE10154

EXIST R/W

REQ'D R/W

13+00 REQ'D R/W

(8)
DE10161
DE10156
DE10162

B-2

ESA - HISTORIC
RESOURCE

201+00

LIMIT OF CONSTRUCTION
STA. 201+29.87
SR 9SO/SPRING STREET

N/F
SELIG ENTERPRISES, INC

N/F
KOGER ACP, LLC

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

SCALE IN FEET
0 20 40 80

DATE	REVISIONS	DATE	REVISIONS
06/16/20	REMOVED PARCEL 1R		
07/09/20	REMOVED REQD EASEMENT FROM PARCEL 3		
03/29/21	ADDED PARCEL 5		
06/09/21	REVISED PERM. EASEMENT TO TEMP. EASEMENT PARCEL 2		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY MAP

PROJECT NO: 0015019
COUNTY: FULTON
LAND LOT NO: 105, 106, 107, 108
LAND DISTRICT: 17
GMD 1379
DATE 11/19/19 SH 2 OF 5

DRAWING No. 60-0002

7/31/2015 GRWPLN

1

N/F
GEORGIA DEPARTMENT OF TRANSPORTATION
SEE SHEET 2

PARCEL 1 REQ'D R/W DE3008

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE10154	33.30 R	101+32.00	WILLIAMS STREET
	108.74	N 0°08'05.3" E	
DE10150	50.00 L	10+32.73	15TH STREET
	167.34	S 87°43'41.9" E	
DE10151	45.00 L	12+00.00	15TH STREET
	97.05	S 87°40'08.5" E	
DE10152	42.00 L	12+97.00	15TH STREET
	10.00	N 0°33'34.2" E	
DE10195	42.60 L	202+46.89	SR 9SO/SPRING STREET
	10.60	N 89°45'45.3" E	
DE10158	32.00 L	202+46.76	SR 9SO/SPRING STREET
	42.24	N 0°56'41.4" W	
DE10159	32.00 L	202+89.00	SR 9SO/SPRING STREET
	2.55	N 89°03'18.6" E	
DE10160	29.45 L	202+89.00	SR 9SO/SPRING STREET
	161.00	S 0°45'55.8" E	
DE10162	29.95 L	201+28.00	SR 9SO/SPRING STREET
	13.05	S 89°03'18.6" W	
DE10156	43.00 L	201+28.00	SR 9SO/SPRING STREET
	17.00	N 0°56'41.4" W	
DE10161	43.00 L	201+45.00	SR 9SO/SPRING STREET
	255.27	N 89°28'12.7" W	
DE10155	50.00 R	10+44.00	15TH STREET
	8.70	S 1°01'20.8" E	
DE10173	44.00 R	101+32.00	WILLIAMS STREET
	10.70	N 89°39'10.4" W	
DE10154	33.30 R	101+32.00	WILLIAMS STREET

REQD R/W = 27189.60 SF
REQD R/W = 0.624 ACRES
REMAINDER = +/- 1.11 ACRES

2

N/F
DEVELOPMENT AUTHORITY OF FULTON COUNTY
SEE SHEETS 2, 4

PARCEL 2 REQ'D TEMP. EASM'T. DE3000

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE10012	32.33 L	13+68.86	15TH STREET
	2.67	N 0°26'07.0" W	
DE10013	35.00 L	13+68.80	15TH STREET
	88.86	S 89°28'48.8" E	
DE10014	35.00 L	14+58.00	15TH STREET
	32.02	S 87°52'49.0" E	
DE10164	34.00 L	14+90.00	15TH STREET
	139.34	S 89°40'12.6" E	
DE10165	33.78 L	16+30.38	15TH STREET
	2.86	S 17°52'41.1" E	
DE10089	31.04 L	16+31.24	15TH STREET

ARC LENGTH = 15.04
CHORD BEAR = S 85°49'01.2" W
LNTH CHORD = 15.02
RADIUS = 84.50
DEGREE = 67°48'20.4"

DE10182	30.10 L	16+15.27	15TH STREET
	59.31	N 89°04'55.0" W	
DE10183	30.71 L	15+55.95	15TH STREET
	186.79	N 89°04'54.0" W	
DE10012	32.33 L	13+68.86	15TH STREET

REQD EASMT = 819.37 SF
REQD EASMT = 0.019 ACRES

PARCEL 2 REQ'D DRWY. EASM'T. DE3001

PNT	OFFSET/	STATION/	ALIGNMENT
DE10014	35.00 L	14+58.00	15TH STREET
DE10117	40.00 L	14+58.00	15TH STREET
DE10118	40.00 L	14+90.00	15TH STREET
DE10164	34.00 L	14+90.00	15TH STREET
DE10014	35.00 L	14+58.00	15TH STREET

5

N/F
GEORGIA DEPARTMENT OF TRANSPORTATION
SEE SHEETS 2, 4

PARCEL 5 REQ'D R/W DE3012

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
21	42.93 R	13+70.69	15TH STREET
	75.28	N 0°30'46.1" W	
DE10012	32.33 L	13+68.86	15TH STREET
	186.79	S 89°04'54.0" E	
DE10183	30.71 L	15+55.95	15TH STREET
	59.31	S 89°04'55.0" E	
DE10182	30.10 L	16+15.27	15TH STREET

ARC LENGTH = 20.03
CHORD BEAR = N 84°07'40.0" E
LNTH CHORD = 19.98
RADIUS = 84.50
DEGREE = 67°48'20.4"

DE10180	31.83 L	16+36.49	15TH STREET
	75.45	N 77°20'13.0" E	
DE10179	41.95 L	17+13.33	15TH STREET

ARC LENGTH = 27.46
CHORD BEAR = N 84°08'58.0" E
LNTH CHORD = 27.40
RADIUS = 115.50
DEGREE = 49°36'24.2"

DE10177	42.06 L	17+40.73	15TH STREET
	26.68	S 88°54'49.0" E	
DE10115	38.95 L	17+67.23	15TH STREET
	96.51	S 0°48'05.4" W	
DE10189	56.96 R	17+56.44	15TH STREET
	10.18	N 89°38'05.6" W	
DE10190	55.89 R	17+46.31	15TH STREET
	2.55	N 0°39'36.4" E	
DE10191	53.36 R	17+46.59	15TH STREET
	109.69	N 89°58'48.6" W	
DE10192	43.39 R	16+39.78	15TH STREET
	1.89	S 0°02'16.6" E	
DE10193	45.27 R	16+39.71	15TH STREET
	27.61	N 89°38'05.6" W	
DE10194	44.60 R	16+14.31	15TH STREET
	57.08	N 88°32'49.6" W	
23	43.48 R	15+57.25	15TH STREET
	186.97	N 89°24'51.6" W	
21	42.93 R	13+70.69	15TH STREET

REQD R/W = 31013.08 SF
REQD R/W = 0.712 ACRES
REMAINDER = +/- 0.0 ACRES

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

DATE	REVISIONS	DATE	REVISIONS
06/16/20	REMOVED PARCEL 1R		
07/09/20	REDUCED REQD EASEMENT PARCEL 2; REMOVED REQD		
	EASEMENT FROM PARCEL 3		
03/29/21	ADDED PARCEL 5		
06/09/21	REVISED PERM. EASEMENT TO TEMP. EASEMENT PARCEL 2		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY MAP

PROJECT NO: 0015019
COUNTY: FULTON
LAND LOT NO: 105, 106, 107, 108
LAND DISTRICT: 17
GMD 1379
DATE 11/19/19 SH 3 OF 5

DRAWING No. 60-0003

MATCH LINE STA. 15+00 DRAWING No. 60-0002

4 END FULL DEPTH PAVEMENT STA 17+71.09

2 N/F DEVELOPMENT AUTHORITY OF FULTON COUNTY SEE SHEETS 2, 3

END WALL NO. *3 GA. STD. 9031L STA. 16+31.24 OFF. 31.05' LT

END WALL NO. *3 GA. STD. 9031L STA. 17+27.30 OFF. 42.67' LT

DE10165 DE10182 DE10183 DE10180 DE10179 DE10177 DE10115 DE10089 DE10192 DE10193 DE10194 DE10191 DE10190 DE10189

STUB OUT 12"PIPE HDPE

C-3A C-3 C-4 C-5

P.C. 16+15.13 P.T. 16+67.05

S 89°40'12.6" E 18" 18" 15TH STREET

CONCRETE COLLAR FOR DEFLECTING PIPE GA STD 9031U

N 84°22'47.4" E

DW 2 +94 24'

P.T. 16+41.17

23

5 N/F GEORGIA DEPARTMENT OF TRANSPORTATION SEE SHEETS 2, 3

EXISTING WALL TO BE DEMO'D

END WALL NO. *2 GA. STD. PRW-1 STA. 17+45.00 OFF. 50.62' RT

END WALL NO. *1 GA. STD. PRW-1 STA. 15+81.54 OFF. 41.49' RT

BEGIN WALL NO. *2 GA. STD. PRW-1 STA. 16+05.54 OFF. 40.40' RT

N/F KOGER ACP, LLC

N/F P&L 1230 WEST PEACHTREE, LP

304+00 303+00 302+00 301+00

15+00 16+00 17+00 18+00 19+00 20+00 21+00

EXIST. R/W

SR 9/WEST PEACHTREE STREET

LL108 LL105

N00°22'18.1"E

4

C-1 C-2

P.C. 17+92.14

P.I. 19+31.68

P.I. 18+62.59

LIMIT OF CONSTRUCTION STA. 302+70.18 SR 9/WEST PEACHTREE STREET

CENTERLINE INTERSECTION STA. 17+95.38 ON 15TH STREET
STA. 302+44.37 ON SR 9/WEST PEACHTREE STREET
N. 1378192.9269
E. 2229401.1588

LIMIT OF CONSTRUCTION STA. 301+88.65 SR 9/WEST PEACHTREE STREET

END CONSTRUCTION STA. 19+47.04

END PROJECT PI 0015019 STA. 19+50.00 N. 1378178.2285 E. 2229554.2301

S 76°07'13.1" E

15TH STREET

N/F MARTA

N/F NP 15TH STREET, LLC

N/F MARTA

N/F HINES ONE ATLANTIC CENTER, LP

N

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

SCALE IN FEET 0 20 40 80

DATE	REVISIONS	DATE	REVISIONS
07/09/20	REMOVED REQD EASEMENT FROM PARCELS 3 AND 4;		
	REVISED DRWY EASEMENT PARCEL 4; REDUCED REQD		
	EASEMENT PARCEL 2		
03/29/21	REMOVED DW EASEMENT PARCEL 4; ADDED PARCEL 5		
06/09/21	REVISED PERM. EASEMENT TO TEMP. EASEMENT PARCEL 2		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY MAP

PROJECT NO: 0015019
COUNTY: FULTON
LAND LOT NO: 105, 106, 107, 108
LAND DISTRICT: 17
GMD 1379
DATE 11/19/19 SH 4 OF 5

DRAWING No. 60-0004