11/8/2023 Brendan.Cronin	GPLOT-V8 gplotborder-V81-PO.tbl	0015890_01-0001.dgn GAWCOV		P.I. No. 0015890

CITY OF ATLANTA

PLAN AND PROFILE OF PROPOSED 10TH STREET BRIDGE MULTI-MODAL CONNECTION PROJECT

FEDERAL AID PROJECT

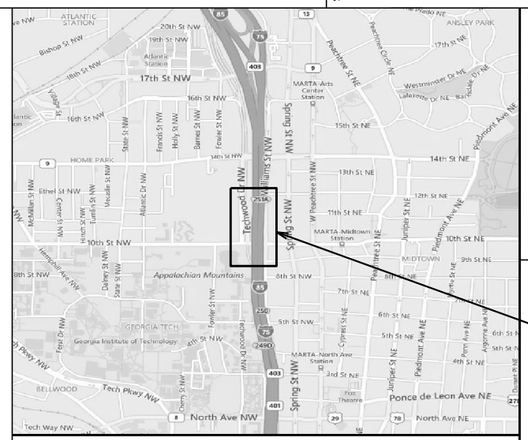
FINAL FIELD PLAN REVIEW
FULTON COUNTY

FEDERAL ROUTE •

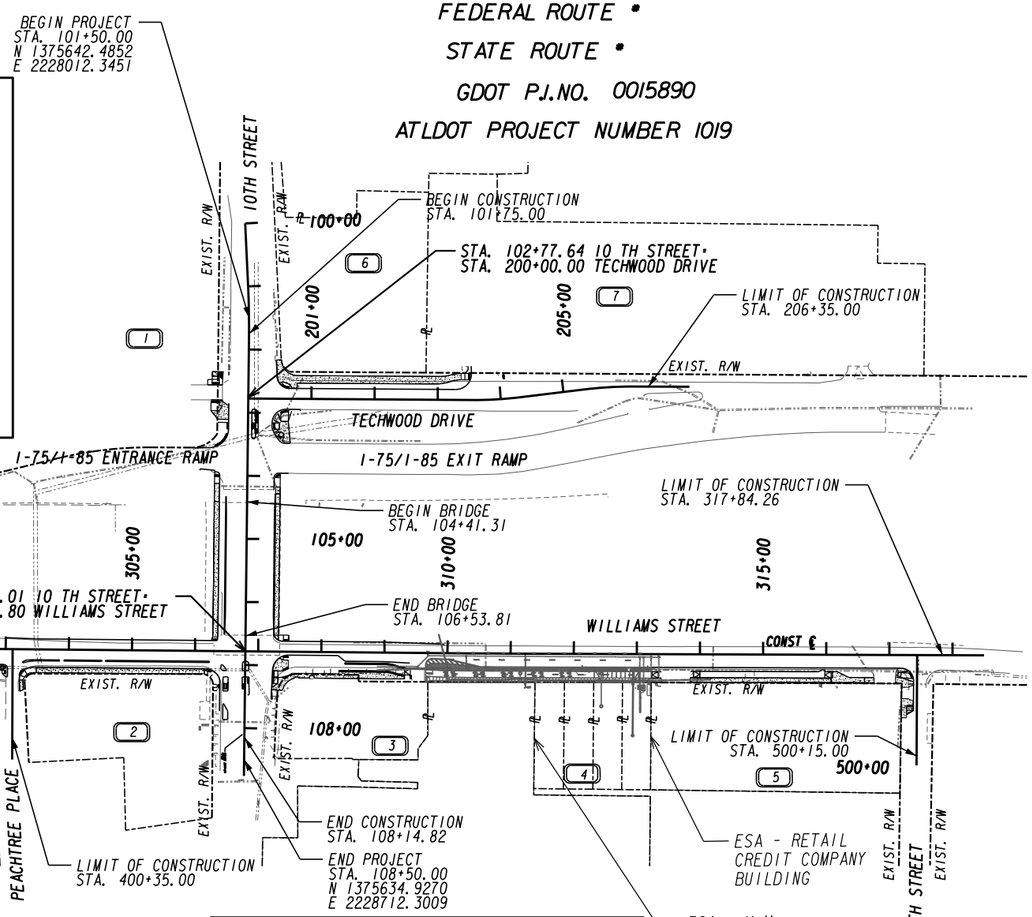
STATE ROUTE •

GDOT P.I.NO. 0015890

ATLDOT PROJECT NUMBER 1019



LOCATION SKETCH (N.T.S.)



DESIGN DATA:
TRAFFIC A.D.T.: 38,475 (2022) 10TH ST/WILLIAMS ST
TRAFFIC A.D.T.: 46450 (2042) 10TH ST/WILLIAMS ST
TRAFFIC D.H.V.: 1,920 (2022) 10TH ST/WILLIAMS ST
2,010 (2042) 10TH ST/WILLIAMS ST
DIRECTIONAL DIST: 45/55%
% TRUCKS: 7.5%
24 HR.TRUCKS %: 5.5%
SPEED DESIGN:
10TH STREET - 35 MPH
WILLIAMS STREET - 25 MPH
TECHWOOD DRIVE - 35 MPH

LOCATION & DESIGN
APPROVAL DATE: 10/15/2021

FUNCTIONAL CLASS:
10TH STREET - URBAN MINOR ARTERIAL STREET
WILLIAMS STREET - URBAN MINOR ARTERIAL
TECHWOOD DRIVE - URBAN LOCAL ROAD

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

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

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	FULTON CO COUNTY No.121 Project No. 0015890 MILES
NET LENGTH OF ROADWAY	0.093
NET LENGTH OF BRIDGES	0.040
NET LENGTH OF PROJECT	0.133
NET LENGTH OF EXCEPTIONS	0.000
GROSS LENGTH OF PROJECT	0.133

SCALE IN FEET
0 120 240 480

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

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 TO BE CONSTRUCTED AS PER GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, 2021 EDITION, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION AND AS MODIFIED BY CONTRACT DOCUMENTS.

PLANS PREPARED BY:
KIMLEY-HORN AND ASSOCIATES, INC.

RECOMMENDED FOR SUBMISSION BY:
DESIGN

RECOMMENDED FOR APPROVAL BY:
STATE PROGRAM DELIVERY ADMINISTRATOR

PLANS COMPLETED 10-05-2022	
REVISIONS	

DRAWING No.
01-0001

CONCOY

THE DRAWINGS AS LISTED BELOW
HAVE BEEN SIGNED AND SEALED BY

SEAN JOHNSTON
PE No 029245

KIMLEY-HORN AND ASSOCIATES, INC.
1200 PEACHTREE ST NE SUITE 800
ATLANTA, GA 30309
CERTIFICATE OF AUTHORIZATION #: PEF000379
CERTIFICATE OF AUTHORIZATION EXPIRATION DATE: 06/30/2024

DATE: 11/08/2023

DRAWING No.	DRAWING DESCRIPTION
01-0001	COVER SHEET
01-0002	SIGNATURE SHEET
02-0001	INDEX
04-0001 - 04-0003	GENERAL NOTES
05-0001 - 05-0006	TYPICAL SECTIONS
06-0001 - 06-0004	SUMMARY OF QUANTITIES
11-0001	CONSTRUCTION LAYOUT
13-0001 - 13-0006	CONSTRUCTION PLAN
15-0001	MAINLINE ROADWAY PROFILE
16-0001 - 16-0003	CROSSROAD PROFILES
17-0001	DRIVEWAY PROFILES
21-0001	DRAINAGE AREA MAP
22-0001 - 22-0003	DRAINAGE PROFILES
23-0001 - 23-0007	CROSS SECTIONS
24-0000 - 24-0006	UTILITY PLANS
27-0001 - 27-0005	SIGNAL PLANS
51-0001 - 51-0002	ESPCP GENERAL NOTES
52-0001 - 52-0007	EROSION CONTROL LEGEND AND UNIFORM CODE SHEETS
54-0001 - 54-0012	EROSION CONTROL BMP LOCATION DETAILS
56-0001 - 56-0004	EROSION CONTROL DETAILS

THE DRAWINGS AS LISTED BELOW
HAVE BEEN SIGNED AND SEALED BY

BRITTAIN L STORCK
NO. LA001754

ALTA PLANNING + DESIGN, INC.
84 PEACHTREE ST NW, SUITE 600
ATLANTA, GA 30303
GA SOS CONTROL NO.:10090253

DATE: 11/08/2023

DRAWING No.	DRAWING DESCRIPTION
29-0001 - 29-0006	TREE REMOVAL AND PROTECTION PLANS
29-0007 - 29-0012	LANDSCAPE PLANS
38-0001 - 38-0003	ARCHITECTURAL FENCING AND BARRIER WALL DETAILS
38-0004 - 38-0007	SPECIAL DETAILS

THE DRAWINGS AS LISTED BELOW
HAVE BEEN SIGNED AND SEALED BY

BRANDEN BERGERON
PE No 044472

ALTA PLANNING + DESIGN, INC.
84 PEACHTREE ST NW, SUITE 600
ATLANTA, GA 30303
CERTIFICATE OF AUTHORIZATION #:PEF006567
CERTIFICATE OF AUTHORIZATION EXPIRATION DATE: 06/30/2024

DATE: 11/08/2023

DRAWING No.	DRAWING DESCRIPTION
18-0001A - 18-0006B	SPECIAL GRADING
26-0001 - 26-0006	SIGNING AND MARKING PLANS

THE DRAWINGS AS LISTED BELOW
HAVE BEEN SIGNED AND SEALED BY

NATHAN CURRIER
PE No 039590

KIMLEY-HORN AND ASSOCIATES, INC.
1200 PEACHTREE ST NE SUITE 800
ATLANTA, GA 30309
CERTIFICATE OF AUTHORIZATION #: PEF000379
CERTIFICATE OF AUTHORIZATION EXPIRATION DATE: 06/30/2024

DATE: 11/08/2023

DRAWING No.	DRAWING DESCRIPTION
35-0001 - 35-0009	BRIDGE LAYOUT SHEETS

THE DRAWINGS AS LISTED BELOW
HAVE BEEN SIGNED AND SEALED BY

ROOSEVELT POWELL
PE No 021592

R POWELL & ASSOCIATES, INC.
1312 KILLIAN WAY SW
LILBURN, GA 30047
CERTIFICATE OF AUTHORIZATION #:PEF002032
CERTIFICATE OF AUTHORIZATION EXPIRATION DATE: 06/30/2024

DATE: 11/08/2023

DRAWING No.	DRAWING DESCRIPTION
25-0000 - 25-0006	LIGHTING PLANS
25-2001 - 25-2004	LIGHTING DETAILS
25-2005 - 25-2008	LIGHTING SCHEDULES
25-3001	WIRING DIAGRAMS

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 601, 817 West Peachtree Street, NW
Atlanta, GA 30308

REVISION DATES

SIGNATURE SHEET
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		01-0002
VERIFIED:		DATE:		

DRAWING NO.	DESCRIPTION
01-0001	COVER SHEET
01-0002	SIGNATURE SHEET
02-0001	INDEX SHEET
04-0001 TO 04-0003	GENERAL NOTES
05-0001 TO 05-0006	TYPICAL SECTIONS
06-0001 TO 06-0004	SUMMARY OF QUANTITIES
11-0001	CONSTRUCTION LAYOUT
13-0001 TO 13-0006	CONSTRUCTION PLAN SHEET
15-0001	MAINLINE PROFILE
16-0001 TO 16-0003	CROSSROAD PROFILE
17-0001	DRIVEWAY PROFILE SHEET
18-0001A TO 18-0006B	SPECIAL GRADING PLAN SHEET
21-0001	DRAINAGE AREA MAP
22-0001 TO 22-0003	DRAINAGE PROFILES
23-0001 TO 23-0007	CROSS SECTIONS
24-0000	UTILITY PLAN LEGEND
24-0001 TO 24-0006	UTILITY PLAN SHEET
25-0000 TO 25-0006, 25-2001 TO 25-2008, 25-3001	LIGHTING PLAN SHEET
26-0001 TO 26-0006	SIGNING AND MARKING PLANS
27-0001 TO 27-0005	SIGNAL PLANS
29-0001 TO 29-0006	TREE REMOVAL AND PROTECTION PLANS
29-0007 TO 29-0012	LANDSCAPE PLANS
35-0001 TO 35-0009	BRIDGE PLANS
38-0001 TO 38-0007	SPECIAL CONSTRUCTION DETAILS
44-0000 TO 44-0006	UTILITY RELOCATION PLANS
	EROSION CONTROL PLANS
51-0001 TO 51-0002	ESPCP GENERAL NOTES
52-0001	CONST. DETAIL (EC-L1) - EROSION CONTROL LEGEND AND UNIFORM CODE SHEET (SHEET 1 OF 7) (03-17)
52-0002	CONST. DETAIL (EC-L2) - EROSION CONTROL LEGEND AND UNIFORM CODE SHEET (SHEET 2 OF 7) (11-18)
52-0003	CONST. DETAIL (EC-L3) - EROSION CONTROL LEGEND AND UNIFORM CODE SHEET (SHEET 3 OF 7) (03-17)
52-0004	CONST. DETAIL (EC-L4) - EROSION CONTROL LEGEND AND UNIFORM CODE SHEET (SHEET 4 OF 7) (03-17)
52-0005	CONST. DETAIL (EC-L5) - EROSION CONTROL LEGEND AND UNIFORM CODE SHEET (SHEET 5 OF 7) (03-17)
52-0006	CONST. DETAIL (EC-L6) - EROSION CONTROL LEGEND AND UNIFORM CODE SHEET (SHEET 6 OF 7) (11-18)
52-0007	CONST. DETAIL (EC-L7) - EROSION CONTROL LEGEND AND UNIFORM CODE SHEET (SHEET 7 OF 7) (03-17)
54-0001 TO 54-0012	BMP LOCATION DETAILS
	EROSION CONTROL DETAILS
56-0001	D-24A: TEMPORARY SILT FENCE (SHEET 1 OF 4) (01-11)
56-0002	D-24C: TEMPORARY SILT FENCE J-HOOKS, INLET SEDIMENT TRAPS (SHEET 3 OF 4) (01-11)
56-0003	D-41: CONSTRUCTION EXIT (11-20)
56-0004	D-54: SOD INSTALLATION (04-16)

DRAWING NO.	DESCRIPTION

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 601, 817 West Peachtree Street, NW
Atlanta, GA 30308

REVISION DATES

INDEX
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT

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

PROJECT NOTES

1. A NOTICE OF INTENT IS NOT REQUIRED FOR THIS PROJECT. THE DISTURBED AREA IS 1.05 NON-CONTIGUOUS ACRES (0.29 ACRES WEST OF I-75/I-85; 0.76 ACRES EAST OF I-75/I-85). THE CONTRACTOR SHALL NOT DISTURB GREATER THAN ONE (1) ACRE OF AREA WITHIN THE PROJECT SITE AT ANY GIVEN TIME.

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. AT ALL LOCATIONS WHERE EXISTING CURB, SIDEWALK OR PAVEMENT ABUT NEW CONSTRUCTION, THE EDGE OF THE EXISTING CURB OR PAVEMENT SHALL BE SAWCUT TO A CLEAN, SMOOTH EDGE. THE COST OF SAW CUTTING ASPHALTIC CONCRETE AND/OR CONCRETE SHALL BE INCLUDED IN THE OVERALL BID PRICE FOR GRADING COMPLETE.

5. ALL EXISTING DRAINAGE STRUCTURES ARE TO BE CLEANED OUT PRIOR TO CONSTRUCTION AND KEPT FREE OF DEBRIS.

6. ALL EXISTING DRAINAGE PIPES ARE TO REMAIN UNLESS OTHERWISE NOTED.

7. CONTRACTOR SHALL PERFORM VIDEO INSPECTION OF EXISTING STORM DRAIN PIPES THAT ARE DIRECTLY CONNECTED TO EXISTING AND PROPOSED WITHIN THE PROJECT LIMITS. PROVIDE RESULTS OF VIDEO INSPECTION TO THE CITY OF ATLANTA FOR REVIEW WITHIN 30 DAYS OF NOTICE TO PROCEED. RECORDED VIDEO SHALL BE VIEWABLE VIA A COMMONLY AVAILABLE WEB-BASED APPLICATION, AND A NARRATIVE REPORT SHALL BE PROVIDED WITH A SUMMARY OF EXISTING PIPE CONDITIONS AND DEFICIENCIES.

8. PRESERVE & PROTECT ALL EXISTING PEDESTRIAN LIGHTS, AND PEDESTRIAN/TRAFFIC SIGNALS UNLESS OTHERWISE STATED ON PLANS.

9. INVASIVE OR UNDESIRABLE SPECIES DO NOT QUALIFY FOR ANY PROTECTION AND SHOULD BE REMOVED IF POSSIBLE. THESE INCLUDE:

MIMOSA-ALBIZIA JULIBRISSIN	TREE OF HEAVEN- AILANTHUS ALTISSIMA
WHITE MULBERRY-MORUS ALBA	PAPER MULBERRY- BROUSSONETIA PAPYRIFERA
CHINABERRY-MELIA AZEDARACH	PRINCESS TREE- PAULOWNIA TOMENTOSA

10. SOME TREES HAVE BEEN USED IN LANDSCAPE PLANTINGS, BUT HAVE PROVEN THEMSELVES TO BE INVASIVE OR UNDESIRABLE. THESE INCLUDE:
BRADFORD PEAR- PYRUS CALLERYANA
LEYLAND CYPRESS- CUPRESSOCYPARIS LEYLANDII

IF PLANTED AS PART OF A LANDSCAPE INSTALLATION AND IN GOOD HEALTH, THESE SHOULD REMAIN AND BE PROTECTED. OTHERWISE, THEY SHOULD BE REMOVED.

PROJECT NOTES CONT.

11. 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 12.5 MM SUPERPAVE GP 2 ONLY (INCL POLYMER -MODIFIED BITUM MATL AND H LIME) (165 LB/SY), GRADED AGGREGATE BASE, 6".

CONCRETE - DRIVEWAY CONCRETE, 6 IN THICK, CONC VALLEY GUTTER, 6 IN.

COMMERCIAL:
ASPHALT 12.5 MM SUPERPAVE GP 2 ONLY (INCL POLYMER -MODIFIED BITUM MATL AND H LIME) (165 LB/SY); 19 MM SUPERPAVE GP 1 OR 2 (INCL POLYMER -MODIFIED BITUM MATL AND H LIME) (220 LB/SY), GRADED AGGREGATE BASE, 6".

CONCRETE - DRIVEWAY CONCRETE, 8 IN THICK, CONC VALLEY GUTTER, 8 IN.

12. CONTRACTOR SHALL COORDINATE WITH MARTA (AND MARTA'S ADVERTISING VENDER) FOR BUS SHELTER RELOCATIONS PRIOR TO ANY IMPACTS TO EXISTING MARTA FACILITIES.

13. ALL WHEEL CHAIR RAMPS AND SIDEWALK WITHIN THE INTERSECTION RADII ARE TO BE CONSTRUCTED USING 8-INCH CONCRETE. THE COST FOR ADA RAMPS SHALL BE INCLUDED IN THE PRICE BID FOR 8-INCH CONCRETE SIDEWALK.

14. EXISTING UTILITY INFORMATION WAS PROVIDED BY SUE AND SUPPLEMENTED BY UTILITY OWNER MARKUPS.

15. EXISTING MATERIAL IS TO BE SALVAGED (SIGNAL EQUIPMENT, LIGHTING, ETC.) IT IS TO BE DELIVERED BY THE CONTRACTOR TO THE CITY OF ATLANTA. DELIVERY OF EQUIPMENT SHOULD BE COORDINATED WITH RAWLE GIBBS, 120-124 CLAIRE DRIVE SW, ATLANTA, GA 30315. CONTRACTOR IS REQUIRED TO PROVIDE AN ITEMIZATION OF ITEMS BEING RETURNED TO THE FACILITY.

16. THIS PROJECT TO BE CONSTRUCTED AS PER GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, 2021 EDITION, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION AND AS MODIFIED BY CONTRACT DOCUMENTS.

17. GREEN COLOR-SAFE PAVEMENT MARKING AND ANTI-SKID SURFACING SHALL BE: TRANSPO INDUSTRIES COLOR SAFE, ENNIS FLINT CYCLE GRIP MMAX, TRAFFIC CALMING USA TRAFFICGRIP OR APPROVED EQUAL.

18. CONTRACTOR SHALL MILL AROUND ALL MANHOLES WITHIN EXISTING PAVEMENT TO BE MILLED. ANY DAMAGE TO EXISTING MANHOLES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE REPAIRED AT NO COST TO THE PROJECT.

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 601, 817 West Peachtree Street, NW
Atlanta, GA 30308

REVISION DATES

GENERAL NOTES
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT

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

Environmental Resources Impact Table

These resources and the restrictions listed are governed by state and federal law.

Resource Name (from Section A of the ECT)	Location			Permitted Construction Activity (from Section A of the ECT)	Special Provision? (from Section B of the ECT)	Comments (from Section C of the ECT, comments only)
	Beginning STA	Ending STA	Side			
H.M. Patterson & Son - Spring Hill Chapel	309+75	311+30	RT	No activity	N/A	N/A
Retail Credit Company Building	313+25	317+10	RT	187 sq ft of ground disturbing activity for tieing existing driveway into proposed sidewalk; 1,468 sq ft construction easement	N/A	N/A
404 Permits and Variances (from Section D of the ECT)	**Expiration dates** (if applicable) Contact GDOT OES 6 months prior to expiration, if work will extend beyond this date.					

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Atlanta, GA 30308

REVISION DATES

GENERAL NOTES
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT

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

Project Number: **County: Fulton** **P.I. Number: 0015890**

Pipe Culvert Material Alternates

TYPE OF INSTALLATION			PIPE TYPE: CONCRETE	STEEL			ALUMINUM	THERMOPLASTIC				
			REINFORCED CONCRETE AASHTO M-170	CORRUGATED STEEL ALUMINUM COATED (TYPE 2) AASHTO M-36	CORRUGATED STEEL PLAIN ZINC COATED AASHTO M-36	POLYMER COATED STEEL AASHTO M-245	CORRUGATED ALUMINUM AASHTO M-196	CORRUGATED HDPE AASHTO M-252	CORRUGATED SMOOTHED LINED HDPE TYPE "S" AASHTO M-294	CORRUGATED SMOOTH LINED POLYPROPYLENE AASHTO M330	PVC CORRUGATED SMOOTH INTERIOR ASTM F949	PVC Profile Wall Drain Pipe AASHTO M-304
STORM DRAIN	NON-TRAVEL BEARING	INTERSTATE	X									
		NON INTERSTATE	X	X		X	X		X	X	X	X
	TRAVEL BEARING, 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	X	X
		ADT > 15,000 & INTERSTATES	X									
	GRADE > 10%					X			X	X	X	X
SIDE DRAIN			X	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

NOTES:

1 Allowable materials are indicated by an "X".

2 Structural, installation, fill height and 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 provide 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. 3-4-21

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UTILITY OWNERS	
FACILITY	OWNER
PHONE	AT&T/T
TV	COMCAST
SEWER	CITY OF ATLANTA DEPT OF WATERSHED MANAGEMENT
WATER	CITY OF ATLANTA DEPT OF WATERSHED MANAGEMENT
GAS	ATLANTA GAS LIGHT
ELECTRIC	GEORGIA POWER DISTRIBUTION
FIBER	LEVEL 3
PHONE	VERIZON BUSINESS SOLUTIONS/MCI/XO COMMUNICATIONS
FIBER	ZAYO FIBER SOLUTIONS
FIBER	FIBER LIGHT
FIBER	CROWN CASTLE
PHONE	CITY OF ATLANTA DEPT OF TRAFFIC COMMUNICATIONS

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. IF SIDEWALK IS PROPOSED OR EXISTING, THE SIGNS SHALL BE ERECTED AT A HEIGHT OF 7 FEET ABOVE THE SIDEWALK.

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), ADDITIONAL ⅜ INCH DIAMETER HOLE(S), DRILLED OR PUNCHED, SHALL BE REQUIRED TO PROPERLY MOUNT THE ASSEMBLY.

14. 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.

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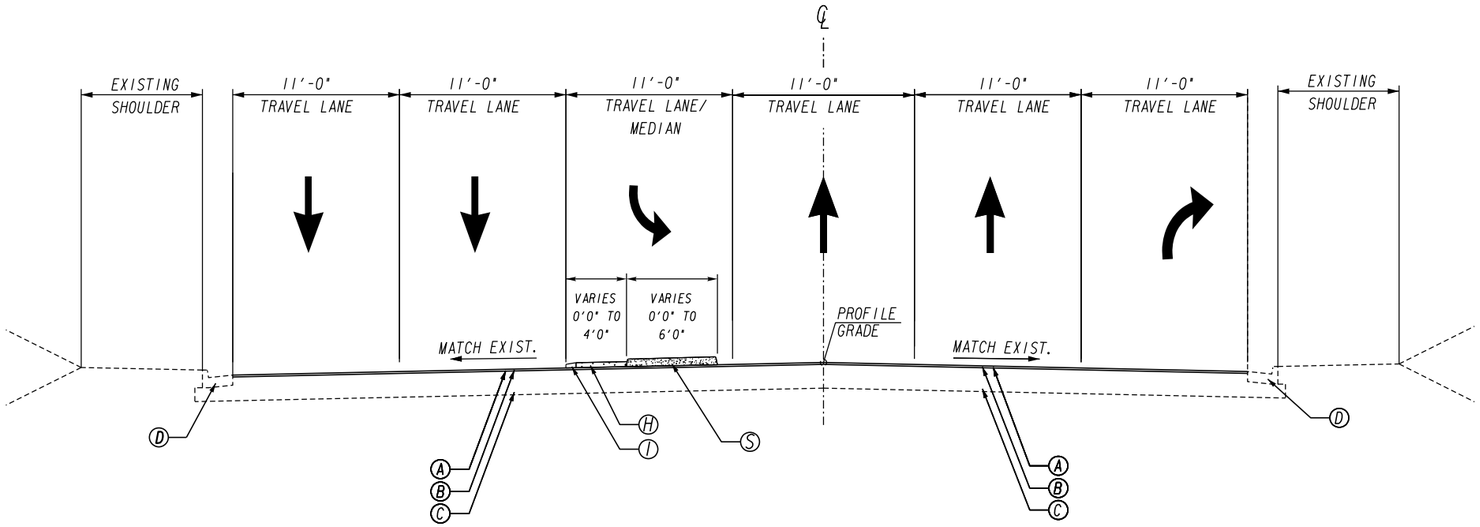
REVISION DATES

GENERAL NOTES
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT

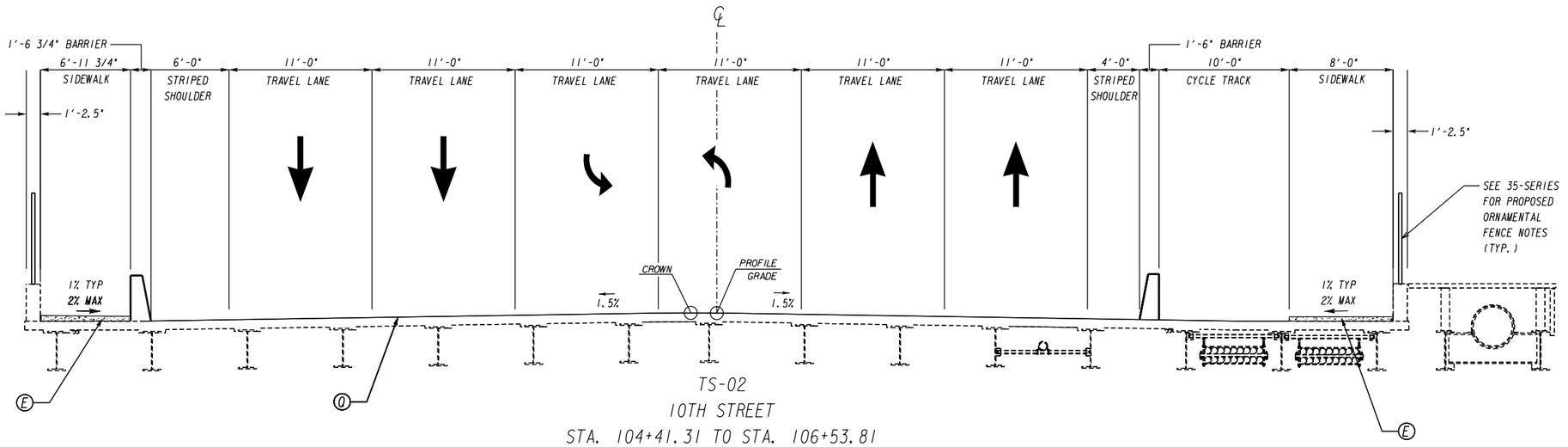
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 04-0003



TS-01
10TH STREET
STA. 101+75.00 TO STA. 104+21.68

REQUIRED PAVEMENT	
A	RECYCLED 1-½" ASPH CONC 12.5MM POLYMER MODIFIED SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME (165 LB/SY)
B	MILL ASPH CONC PVMT, 1-½" DEPTH
C	EXISTING PAVEMENT (TO BE RETAINED)
D	EXISTING CURB AND GUTTER TO REMAIN
E	CONCRETE SIDEWALK, 4 IN
F	STRAIGHT GRANITE CURB, 5"X17", TP A (6" EXPOSED)
G	GR AGGR BASE CRS, INCL MATL (6")
H	CLASS AA CONCRETE
I	CONCRETE HEADER CURB, 4 IN, TP 9
J	CLASS B CONC BASE OR WIDENING
K	CONCRETE HEADER CURB, 6 IN, TP 2
L	CONCRETE HEADER CURB, 10 IN, TP 4
M	EXISTING CURB TO REMAIN
N	PLAIN PC CONC PVMT, CL I CONC, 6 INCH THK
O	SOD
P	CONCRETE HEADER CURB, 4 IN, TP 1
Q	⅜ IN TWO-PART POLYMER OVERLAY
S	MONOLITHIC CONCRETE MEDIAN WITH TP 7 CURB FACE
T	CONCRETE HEADER CURB, 8 IN, TP 3
U	REINF CONC APPROACH SLAB
V	EXISTING APPROACH SLAB TO REMAIN



TS-02
10TH STREET
STA. 104+41.31 TO STA. 106+53.81

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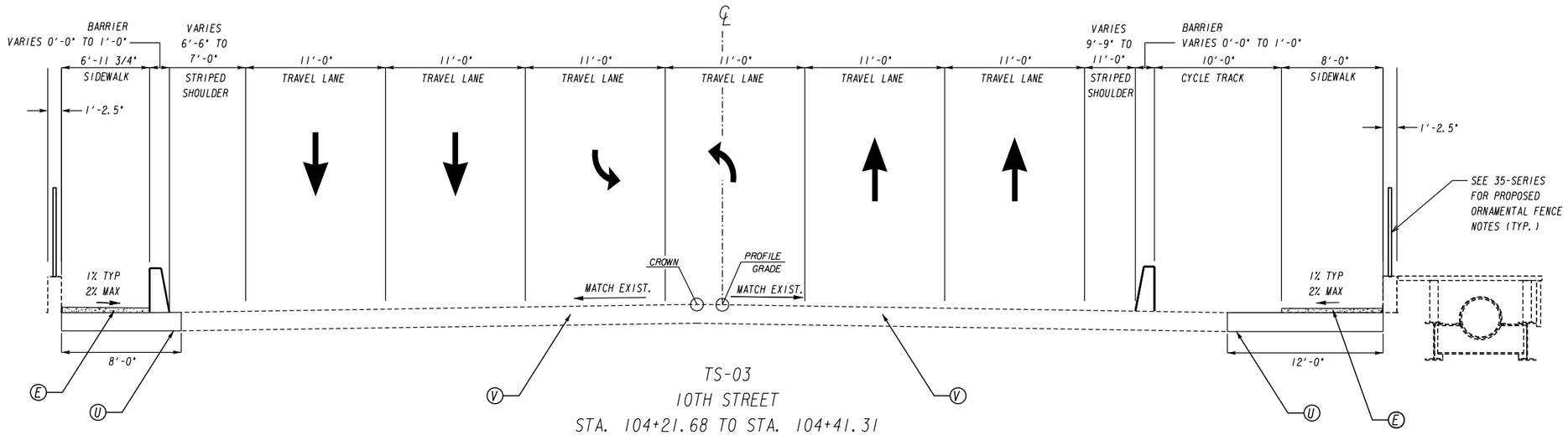
REVISION DATES

TYPICAL SECTIONS
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT

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



TS-03
10TH STREET
STA. 104+21.68 TO STA. 104+41.31
STA. 106+53.81 TO STA. 106+84.19

REQUIRED PAVEMENT	
(A)	RECYCLED 1-½" ASPH CONC 12.5MM POLYMER MODIFIED SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME (165 LB/SY)
(B)	MILL ASPH CONC PVMT, 1-½" DEPTH
(C)	EXISTING PAVEMENT (TO BE RETAINED)
(D)	EXISTING CURB AND GUTTER TO REMAIN
(E)	CONCRETE SIDEWALK, 4 IN
(F)	STRAIGHT GRANITE CURB, 5"X17", TP A (6" EXPOSED)
(G)	GR AGGR BASE CRS, INCL MATL (6")
(H)	CLASS AA CONCRETE
(I)	CONCRETE HEADER CURB, 4 IN, TP 9
(J)	CLASS B CONC BASE OR WIDENING
(K)	CONCRETE HEADER CURB, 6 IN, TP 2
(L)	CONCRETE HEADER CURB, 10 IN, TP 4
(M)	EXISTING CURB TO REMAIN
(N)	PLAIN PC CONC PVMT, CL I CONC, 6 INCH THK
(O)	SOD
(P)	CONCRETE HEADER CURB, 4 IN, TP 1
(Q)	⅜ IN TWO-PART POLYMER OVERLAY
(S)	MONOLITHIC CONCRETE MEDIAN WITH TP 7 CURB FACE
(T)	CONCRETE HEADER CURB, 8 IN, TP 3
(U)	REINF CONC APPROACH SLAB
(V)	EXISTING APPROACH SLAB TO REMAIN

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TYPICAL SECTIONS
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT

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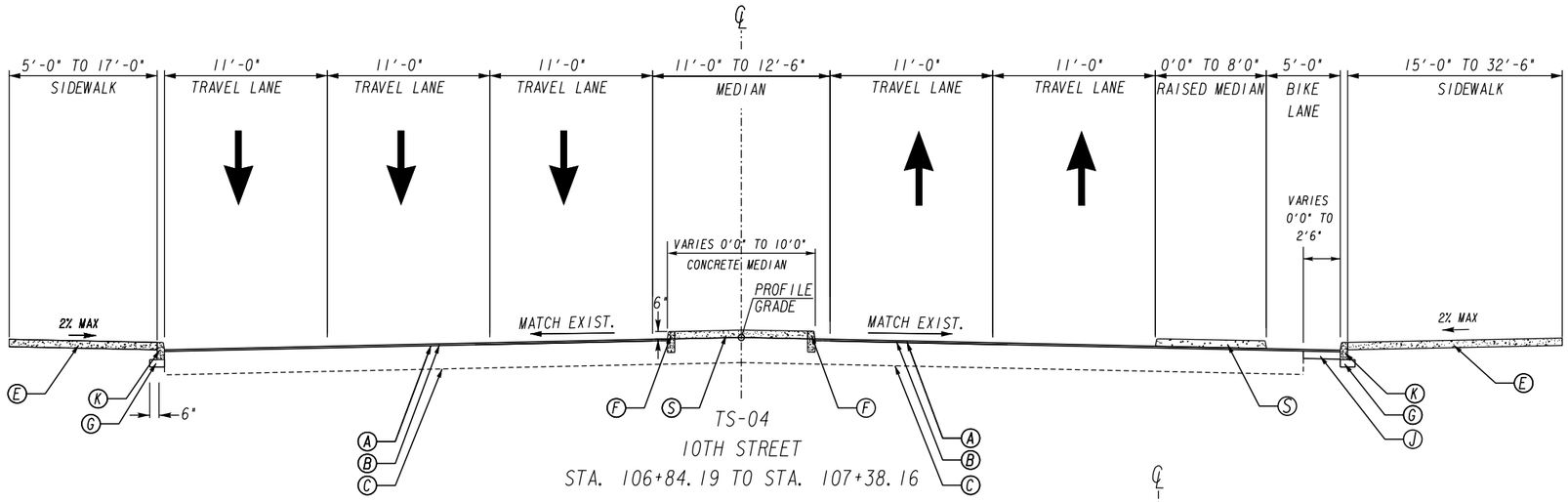
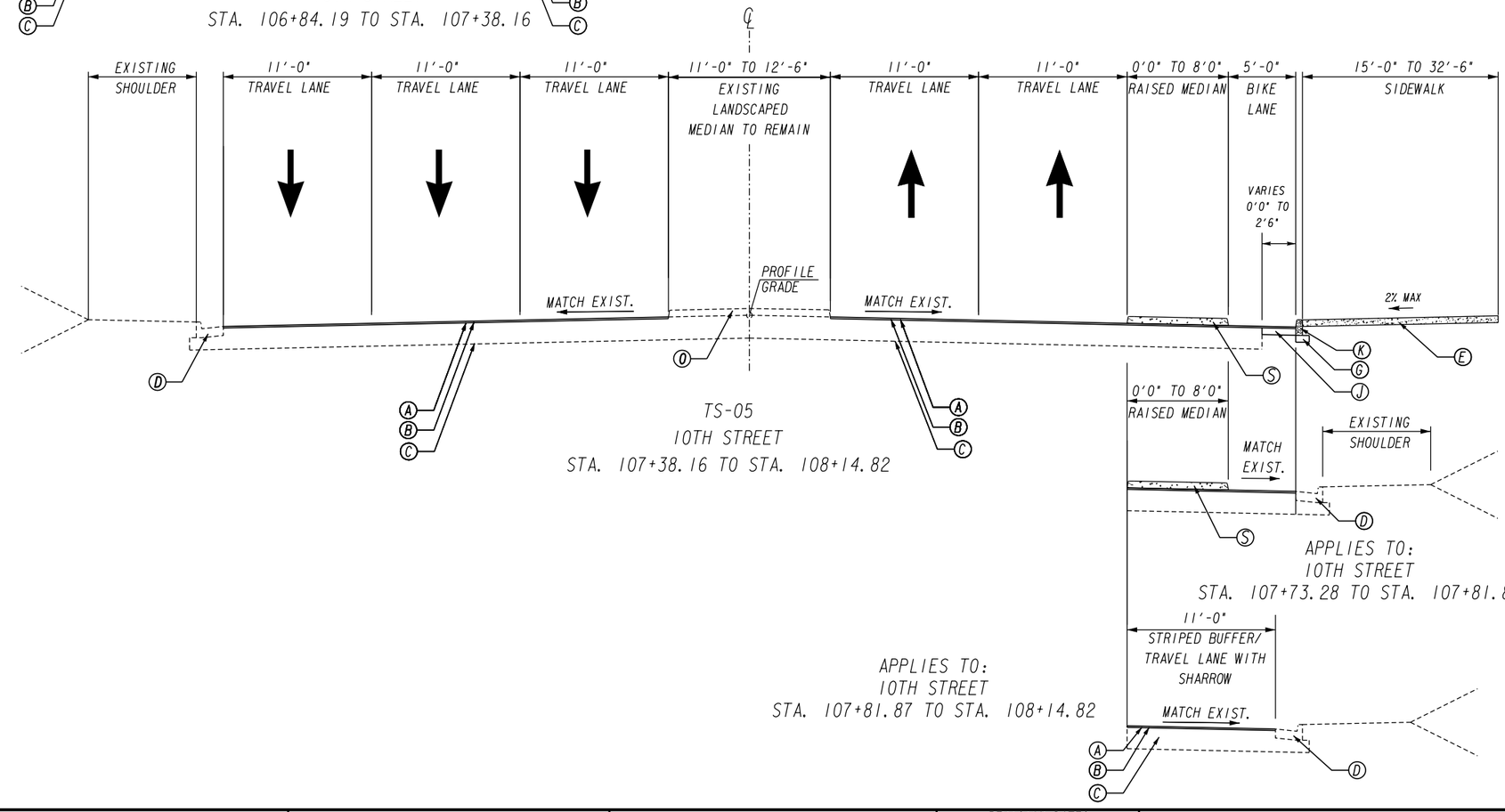
VERIFIED:		DATE:		



TS-04
10TH STREET
STA. 106+84.19 TO STA. 107+38.16



TS-05
10TH STREET
STA. 107+38.16 TO STA. 108+14.82

APPLIES TO:
10TH STREET
STA. 107+81.87 TO STA. 108+14.82

APPLIES TO:
10TH STREET
STA. 107+73.28 TO STA. 107+81.87

REQUIRED PAVEMENT	
(A)	RECYCLED 1-½" ASPH CONC 12.5MM POLYMER MODIFIED SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME (165 LB/SY)
(B)	MILL ASPH CONC PVMT, 1-½" DEPTH
(C)	EXISTING PAVEMENT (TO BE RETAINED)
(D)	EXISTING CURB AND GUTTER TO REMAIN
(E)	CONCRETE SIDEWALK, 4 IN
(F)	STRAIGHT GRANITE CURB, 5"X17", TP A (6" EXPOSED)
(G)	GR AGGR BASE CRS, INCL MATL (6")
(H)	CLASS AA CONCRETE
(I)	CONCRETE HEADER CURB, 4 IN, TP 9
(J)	CLASS B CONC BASE OR WIDENING
(K)	CONCRETE HEADER CURB, 6 IN, TP 2
(L)	CONCRETE HEADER CURB, 10 IN, TP 4
(M)	EXISTING CURB TO REMAIN
(N)	PLAIN PC CONC PVMT, CL I CONC, 6 INCH THK
(O)	SOD
(P)	CONCRETE HEADER CURB, 4 IN, TP 1
(Q)	⅜ IN TWO-PART POLYMER OVERLAY
(S)	MONOLITHIC CONCRETE MEDIAN WITH TP 7 CURB FACE
(T)	CONCRETE HEADER CURB, 8 IN, TP 3
(U)	REINF CONC APPROACH SLAB
(V)	EXISTING APPROACH SLAB TO REMAIN

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REVISION DATES

TYPICAL SECTIONS
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT

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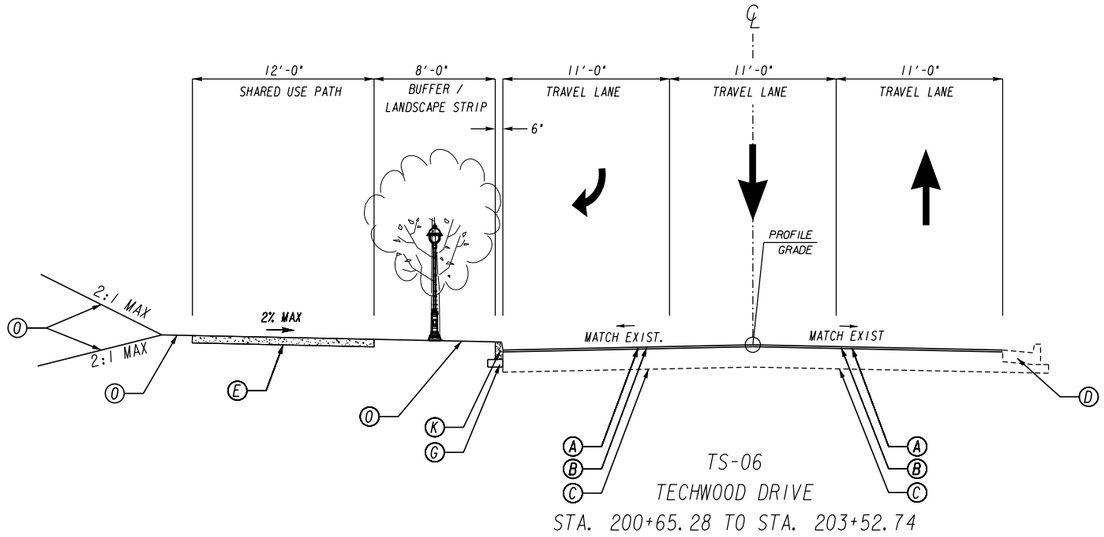
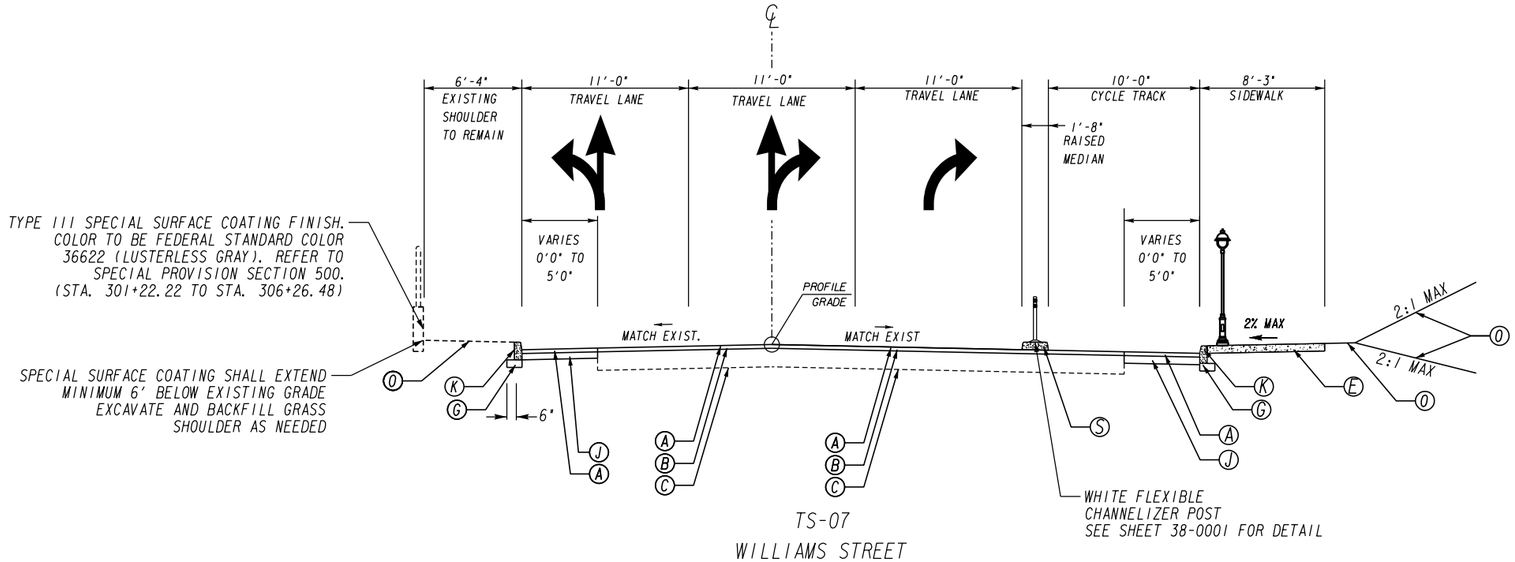


TS-06
TECHWOOD DRIVE
STA. 200+65.28 TO STA. 203+52.74



TS-07
WILLIAMS STREET
STA. 303+00.67 TO STA. 306+22.63

REQUIRED PAVEMENT	
(A)	RECYCLED 1-½" ASPH CONC 12.5MM POLYMER MODIFIED SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME (165 LB/SY)
(B)	MILL ASPH CONC PVMT, 1-½" DEPTH
(C)	EXISTING PAVEMENT (TO BE RETAINED)
(D)	EXISTING CURB AND GUTTER TO REMAIN
(E)	CONCRETE SIDEWALK, 4 IN
(F)	STRAIGHT GRANITE CURB, 5"X17", TP A (6" EXPOSED)
(G)	GR AGGR BASE CRS, INCL MATL (6")
(H)	CLASS AA CONCRETE
(I)	CONCRETE HEADER CURB, 4 IN, TP 9
(J)	CLASS B CONC BASE OR WIDENING
(K)	CONCRETE HEADER CURB, 6 IN, TP 2
(L)	CONCRETE HEADER CURB, 10 IN, TP 4
(M)	EXISTING CURB TO REMAIN
(N)	PLAIN PC CONC PVMT, CL I CONC, 6 INCH THK
(O)	SOD
(P)	CONCRETE HEADER CURB, 4 IN, TP 1
(Q)	⅜ IN TWO-PART POLYMER OVERLAY
(S)	MONOLITHIC CONCRETE MEDIAN WITH TP 7 CURB FACE
(T)	CONCRETE HEADER CURB, 8 IN, TP 3
(U)	REINF CONC APPROACH SLAB
(V)	EXISTING APPROACH SLAB TO REMAIN

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TYPICAL SECTIONS
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT

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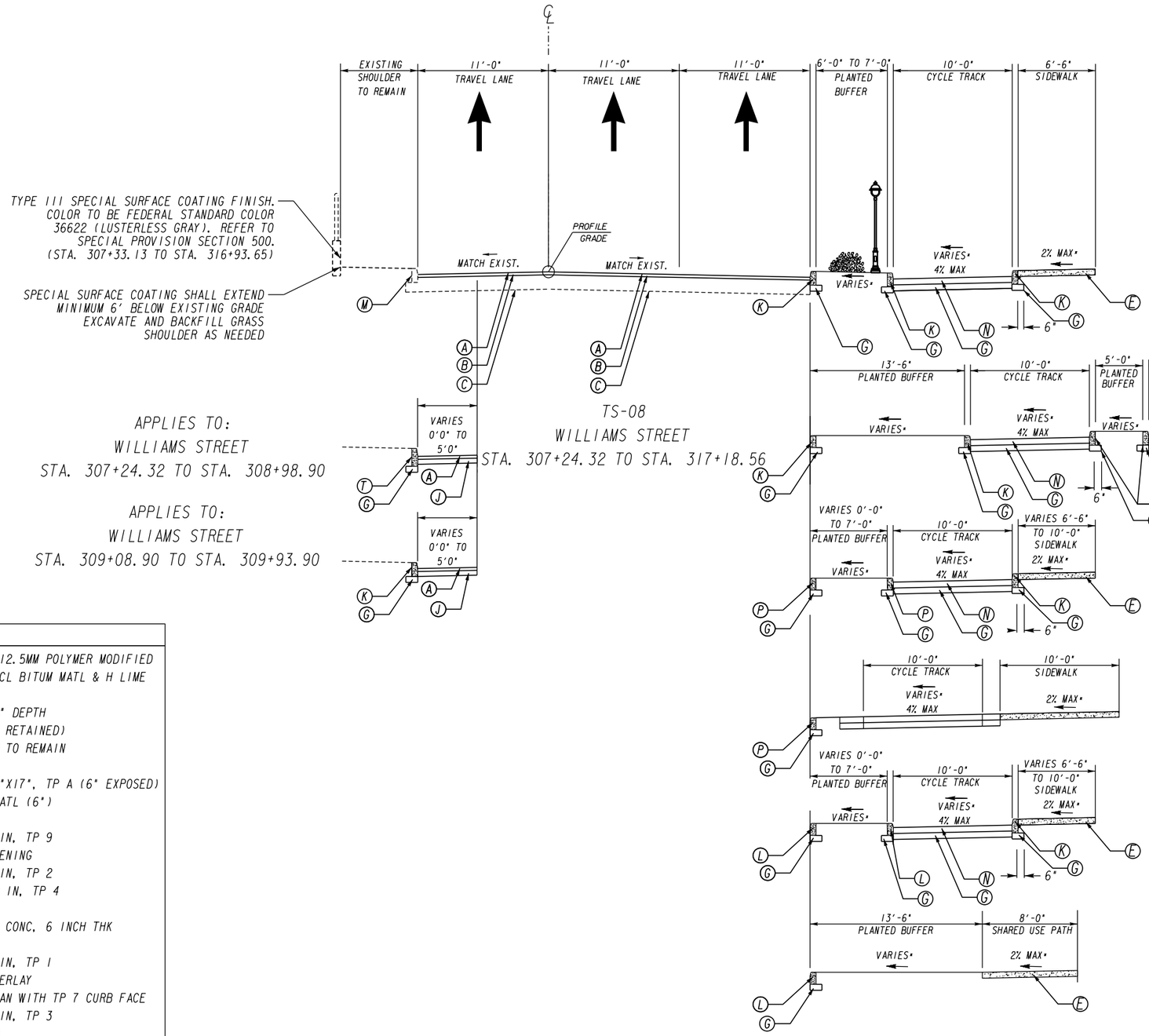
VERIFIED:		DATE:		

* SEE PLAN SHEETS FOR ADDITIONAL GEOMETRY AND GRADING DETAIL



APPLIES TO:
WILLIAMS STREET
STA. 307+24.32 TO STA. 308+98.90

APPLIES TO:
WILLIAMS STREET
STA. 309+08.90 TO STA. 309+93.90

TS-08
WILLIAMS STREET
STA. 307+24.32 TO STA. 317+18.56

APPLIES TO:
WILLIAMS STREET
STA. 307+24.32 TO STA. 308+27.95

APPLIES TO:
WILLIAMS STREET
STA. 312+35.04 TO STA. 314+30.00

APPLIES TO:
WILLIAMS STREET
STA. 308+27.95 TO STA. 309+32.26

APPLIES TO:
WILLIAMS STREET
STA. 314+40.00 TO STA. 316+07.83

APPLIES TO:
WILLIAMS STREET
STA. 316+17.83 TO STA. 317+18.56

REQUIRED PAVEMENT	
(A)	RECYCLED 1-½" ASPH CONC 12.5MM POLYMER MODIFIED SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME (165 LB/SY)
(B)	MILL ASPH CONC PVMT, 1-½" DEPTH
(C)	EXISTING PAVEMENT (TO BE RETAINED)
(D)	EXISTING CURB AND GUTTER TO REMAIN
(E)	CONCRETE SIDEWALK, 4 IN
(F)	STRAIGHT GRANITE CURB, 5"X17", TP A (6" EXPOSED)
(G)	GR AGGR BASE CRS, INCL MATL (6")
(H)	CLASS AA CONCRETE
(I)	CONCRETE HEADER CURB, 4 IN, TP 9
(J)	CLASS B CONC BASE OR WIDENING
(K)	CONCRETE HEADER CURB, 6 IN, TP 2
(L)	CONCRETE HEADER CURB, 10 IN, TP 4
(M)	EXISTING CURB TO REMAIN
(N)	PLAIN PC CONC PVMT, CL I CONC, 6 INCH THK
(O)	SOD
(P)	CONCRETE HEADER CURB, 4 IN, TP 1
(Q)	⅜ IN TWO-PART POLYMER OVERLAY
(S)	MONOLITHIC CONCRETE MEDIAN WITH TP 7 CURB FACE
(T)	CONCRETE HEADER CURB, 8 IN, TP 3
(U)	REINF CONC APPROACH SLAB
(V)	EXISTING APPROACH SLAB TO REMAIN

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REVISION DATES

TYPICAL SECTIONS
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MULTI-MODAL CONNECTION PROJECT

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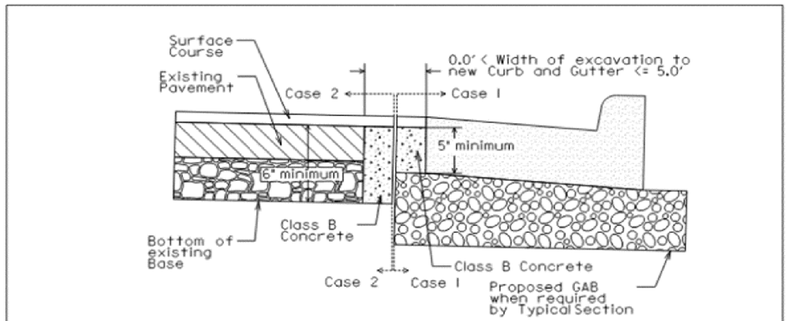


NO SCALE

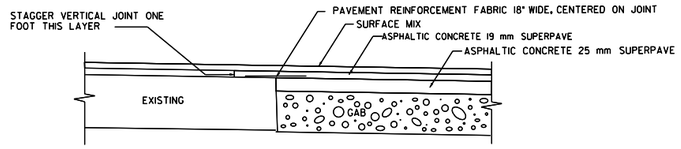
CLASS "B" CONCRETE BASE FOR PAVEMENT WIDENING
Item Code 500-9999 - CY Unit of Measure

Case 1:
Where GAB is required under the new Curb and Gutter and the depth of proposed paving between the top of the GAB and the bottom of the surface course is 5 inches or greater, Class B concrete shall be placed in lieu of the paving between the GAB and surface courses specified by the typical section.

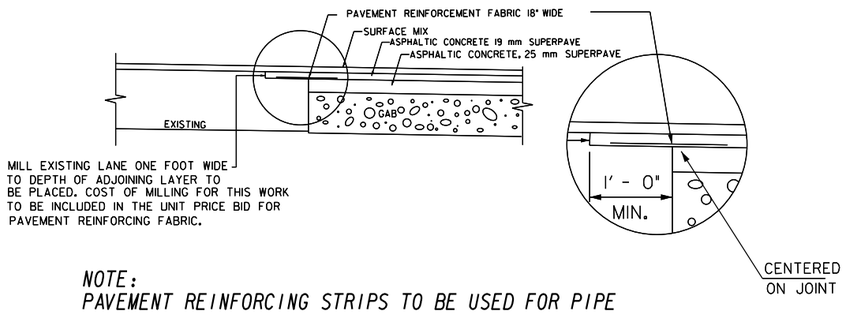
Case 2:
Where GAB is not required under the new Curb and Gutter and/or the depth of proposed paving between the top of the Base and the bottom of the surface course is less than 5 inches, Class B concrete shall be placed beneath the proposed surface course to the depth of either the bottom of the existing base course, the bottom of the Base specified by the typical section, or to a depth of 6 inches; whichever is greater.

CLASS "B" CONCRETE BASE FOR WIDENING DETAIL

TYPICAL SECTION DETAIL TO BE USED WHEN
EXISTING PAVEMENT IS TO BE RESURFACED WITH
TWO INCHES OR MORE OF ASPHALTIC CONCRETE

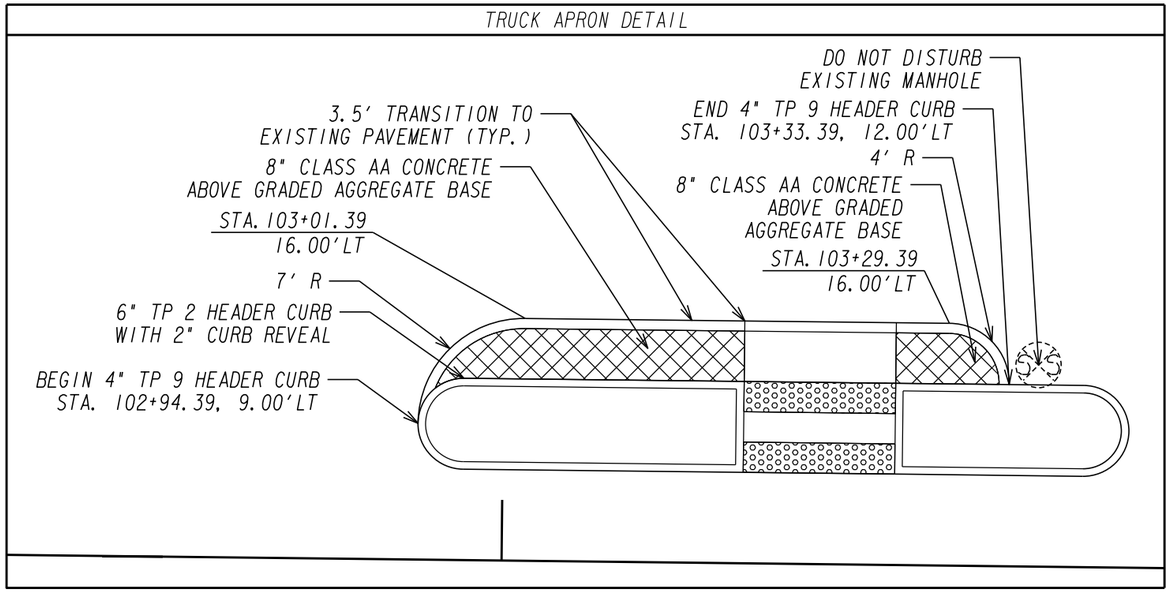


TYPICAL SECTION DETAIL TO BE USED WHEN
EXISTING PAVEMENT IS TO BE RESURFACED WITH
LESS THAN TWO INCHES OF ASPHALTIC CONCRETE



NOTE:
PAVEMENT REINFORCING STRIPS TO BE USED FOR PIPE INSTALLATION WITHIN THE ROADWAY.

TRUCK APRON DETAIL



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REVISION DATES

TYPICAL SECTIONS
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT

CHECKED:		DATE:		DRAWING No.
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VERIFIED:		DATE:		

SUMMARY OF QUANTITIES

TRAFFIC CONTROL		
P. I. NO. 0015890		LUMP SUM

GRADING COMPLETE		
P. I. NO. 0015890		LUMP SUM

CONC SIDEWALK, 4 IN		
TOTAL	1480	SY

CONC SIDEWALK, 8 IN		
TOTAL	640	SY

CONCRETE MEDIAN, 7½ IN		
TOTAL	136	SY

CONCRETE HEADER CURB, 4 IN, TP 1		
TOTAL	240	LF

CONCRETE HEADER CURB, 6 IN, TP 2		
TOTAL	2650	LF

CONCRETE HEADER CURB, 8 IN, TP 3		
TOTAL	210	LF

CONCRETE HEADER CURB, 10 IN, TP 4		
TOTAL	200	LF

CONCRETE HEADER CURB, 4 IN, TP 9		
TOTAL	240	LF

CONCRETE CURB AND GUTTER, 6 IN X 24 IN, TP 2		
TOTAL	50	LF

CONCRETE CURB AND GUTTER, 6 IN X 30 IN, TP 2		
TOTAL	270	LF

STRAIGHT GRANITE HEADER CURB, 5 IN X 17 IN, 6 IN HT, TP A		
RAISED ISLANDS	275	LF

BRICK PAVERS		
TOTAL	55	SY

RESET METAL GATE		
TOTAL	1	EA

REMOVABLE BOLLARDS		
TOTAL	19	EA

REINF CONC APPROACH SLAB		
TOTAL	147	SY

RAISED PAVEMENT MARKERS (EA)	
QUANTITY	
TYPE 1	TYPE 3
53	113

SUMMARY OF BRIDGE QUANTITIES		
ITEM	UNIT	TOTAL
PREFORMED SILICONE JOINT SEAL, BR NO - 1	LF	213
GROOVED CONCRETE	SY	95
SUPERSTR CONCRETE, CL AA, BR NO - 1 (44)	LS	LUMP
CONCRETE BARRIER	LF	443
SUPERSTR REINF STEEL, BR NO - 1 (4327)	LS	LUMP
EPOXY COATED SUPERSTR REINF STEEL, BR NO - 1 (10792)	LS	LUMP
SURFACE PREPARATION	SY	2031
POLYMER OVERLAY	SY	2031
REMOVAL OF PARTS OF EXISTING BR, BR NO - 1	LS	LUMP
ORNAMENTAL FENCE	LF	425

SURFACING QUANTITIES		
ITEMS	UNIT	TOTALS
GR AGGR BASE CRS, 6 IN, INCL MATL	TN	495
RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL POLYMER-MODIFIED BITUM MATL & H LIME	TN	1220
PLAIN PC CONC PVMT, CL 1 CONC, 6 IN THK	SY	565
MILL ASPH CONC PVMT, 1 1/2 IN DEPTH	SY	14320
CONCRETE VALLEY GUTTER, 8 IN	SY	115
DRIVEWAY CONCRETE, 8 IN TK	SY	255
CLASS B CONC, BASE OR PVMT WIDENING	CY	70
TACK COAT	GL	1000
AGGREGATE SURFACE COURSE	TN	150
CLASS AA CONCRETE, 8 IN THK	CY	4
SURFACE PREPARATION	SY	615
POLYMER OVERLAY	SY	615

DRIVEWAY QUANTITIES				
STATION	TYPE	MATERIAL	CONCRETE VALLEY GUTTER, 8 IN (SY)	DRIVEWAY CONCRETE, 8 IN TK (SY)
DW1 - 309+55 RT	COMMERCIAL	CONC	25	52
DW2 - 313+62 RT	COMMERCIAL	CONC	36	87
DW3 - 316+93 RT	COMMERCIAL	CONC	25	67
DW4 - 501+15 LT	COMMERCIAL	CONC	17	24
TOTAL			103	230

*THESE QUANTITIES ARE ADDED INTO THE SURFACING TABLE

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REVISION DATES

SUMMARY QUANTITIES
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT

CHECKED:		DATE:		DRAWING No.
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VERIFIED:		DATE:		

SUMMARY OF QUANTITIES

LIGHTING

ITEM	UNIT	TOTAL
CLASS A CONCRETE	CY	10
BAR REINF STEEL	LB	1038
LUMINAIRE TYPE "FC"	EA	16
LUMINAIRE TYPE "FD"	EA	66
CONDUIT, RIGID, 1 IN	LF	200
CONDUIT, NONMETL, TP 2, 1 IN	LF	1800
CONDUIT, NONMETL, TP 2, 2 IN	LF	5600
ELECTRICAL JUNCTION BOX, CONC GROUND MOUNTED	EA	2
ELECTRICAL JUNCTION BOX, GALVANIZED, 4" SQUARE X 2 1/8"	EA	4
ELECTRICAL SERVICE POINT (SEE DETAILS 1 & 2/25-2002 & 1/25-2004)	EA	2
ELECTRICAL JUNCTION BOX	EA	12
DIRECTIONAL BORE - STREET CROSSINGS	LF	600

TRAFFIC SIGNAL INSTALLATION - NO. 1 (10TH STREET AND I-75/I-85 RAMPS)

636-1033	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 9	SF	93
636-2070	GALV STEEL POST, TP 7	LF	27
639-3004	STEEL STRAIN POLE, TP IV, w/ 65' MONOTUBE MAST ARM	EA	1
639-3004	STEEL STRAIN POLE, TP IV, w/ 45' AND 60' DUAL MONOTUBE MAST ARMS	EA	1
647-1000	TRAFFIC SIGNAL INSTALLATION	LS	1
687-1000	TRAFFIC SIGNAL TIMING, NO - 1	LS	1
937-4000	INDUCTANCE LOOP DETECTION SYSTEM, NO - 1	LS	1
937-4100	PEDESTRIAN DETECTION SYSTEM, NO - 1, TYPE B	LS	1
937-6010	MICROWAVE VEHICLE DETECTION SYSTEM, NO - 1, TYPE B	LS	1
937-6040	VIDEO DETECTION SYSTEM, NO - 1, TYPE B	LS	1

TRAFFIC SIGNAL INSTALLATION - NO. 2 (10TH STREET AND WILLIAMS STREET)

636-1033	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 9	SF	114
636-2070	GALV STEEL POST, TP 7	LF	27
639-3004	STEEL STRAIN POLE, TP IV, w/ 40' MONOTUBE MAST ARM	EA	1
639-3004	STEEL STRAIN POLE, TP IV, w/ 45' MONOTUBE MAST ARM	EA	1
639-3004	STEEL STRAIN POLE, TP IV, w/ 65' MONOTUBE MAST ARM	EA	1
647-1000	TRAFFIC SIGNAL INSTALLATION	LS	1
687-1000	TRAFFIC SIGNAL TIMING, NO - 2	LS	1
937-4100	PEDESTRIAN DETECTION SYSTEM, NO - 2, TYPE B	LS	1
937-6010	MICROWAVE VEHICLE DETECTION SYSTEM, NO - 2, TYPE B	LS	1

CONSTRUCT AND REMOVE CONSTRUCTION EXIT

TOTAL	2	EA

MAINTENANCE OF CONSTRUCTION EXIT

TOTAL	2	EA

MAINTENANCE OF CONSTRUCTION EXIT TIRE WASH AREA

TOTAL	2	EA

TEMPORARY SILT FENCE, TP C

TOTAL	2900	LF

MAINTENANCE OF INLET SEDIMENT TRAP

TOTAL	17	EA

BARRIER FENCE (ORANGE)

TOTAL	175	LF

MAINTENANCE OF TEMPORARY SILT FENCE, TP C

TOTAL	1450	LF

CONSTRUCT AND REMOVE INLET SEDIMENT TRAP

TOTAL	17	EA

DRAINAGE QUANTITIES

STRUCTURE	LOCATION	STORM DRAIN PIPE, 12 IN, CLASS III - PVC	STORM DRAIN PIPE, 15 IN, CLASS III	RECONSTR CATCH BASIN, GROUP 1	RECONSTR CATCH BASIN, GROUP 2	RECONSTR DROP INLET, GROUP 1	RECONSTR DROP INLET, GROUP 2	RECONSTR STORM SEWER MANHOLE, TYPE 1	CATCH BASIN, GP 1	CATCH BASIN, GP 1, ADDL DEPTH	DROP INLET, GP 1	DROP INLET, GP 1, ADDL DEPTH	STORM SEWER MANHOLE, TP 1, GA STD 1011A	ADJUST DROP INLET TO GRADE	REMOVE DROP INLET
A-1	STA. 200+56.10, RT		14					1							
A-2	STA. 200+42.04, RT										1				
A-3	STA. 200+83.53, LT		6						1						
AA-3	STA. 200+80.89, LT												1		
A-4	STA. 104+23.70, RT		8						1						
AA-4	STA. 104+16.89, RT							1							
A-5	STA. 104+16.80, LT			1											
A-6	STA. 302+17.27, RT				1										
A-7	STA. 302+46.68, RT				1										
A-8	STA. 302+80.61, RT				1										
A-9	STA. 303+02.09, RT						1								
B-1	STA. 308+49.07, LT					1									
B-7	STA. 313+22.19, RT								1	2.21					
B-8	STA. 314+20.39, RT							1							
B-9	STA. 314+60.00, RT								1	2.6					
B-10	STA. 315+17.96, RT			1											
B-11	STA. 315+75.93, RT			1											
B-12	STA. 315+96.16, RT										1	3.23			
B-13	STA. 316+65.69, RT			1											
B-14	STA. 500+88.48, LT	23									1				
B-15	STA. 501+28.68, LT		40								1				
EX-A1	STA. 303+57.49, RT												1		
EX-A2	STA. 200+85.92, LT														1
EX-B1	STA. 501+26.54, LT														1
EX-C1	STA. 102+11.44, LT												1		
AS DIRECTED		3	7							1.19		1.77			
TOTAL		26	75	4	3	1	1	3	4	6	4	5	1	2	2

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REVISION DATES

SUMMARY QUANTITIES
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT

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

SUMMARY OF QUANTITIES

STATION	INSTAL. NO.	SIGN CODE	HIGHWAY SIGNS												SQUARE TUBE POST									BREAKAWAY SIGN SUPPRT (EACH)
			TP 1 MATL. SHEETING TP 11		REFL	TP 2 MATL. SHEETING TP 11		REFL	TP 1 MATL. SHEETING TP 9		REFL	TP 2 MATL. SHEETING TP 9		REFL	TYPE 7			TYPE 8			TYPE 9			
			SIZE	QUANTITY	SQUARE FEET	SIZE	QUANTITY	SQUARE FEET	SIZE	QUANTITY	SQUARE FEET	SIZE	QUANTITY	SQUARE FEET	LENGTH (FEET)	QUANTITY	TOTAL LENGTH	LENGTH (FEET)	QUANTITY	TOTAL LENGTH	LENGTH (FEET)	QUANTITY	TOTAL LENGTH	
10TH STREET																								
101+78	1	R2-1(35)							30" x 36"		7.5				10	1	10							
101+79	2	R3-5R							30" x 36"		7.5				10	1	10							
102+32	3	R9-3	18" x 18"	1	2.25										10	1	10							
102+32		R9-3BR	18" x 12"	1	1.5										-	-	-							
102+98	4	R4-7							24" x 30"	1	5				10	1	10							
102+99	5	M3-3							18" x 36"	1	4.5							12	1	12				
102+99		M1-1(75)				36" x 36"	1	9										-	-	-				
102+99		M1-1(85)				36" x 36"	1	9										-	-	-				
102+99		M6-1R							21" x 30"	1	4.4							-	-	-				
103+54	6	R4-7							24" x 30"	1	5				10	1	10							
106+98	7	R4-7							24" x 30"	1	5				10	1	10							
107+41	8	R5-1				36" x 36"	1	9							10	1	10							
107+41		R15-8							18" x 36"	1	4.5				-	-	-							
108+18	9	R2-1(35)							30" x 36"	1	7.5				10	1	10							
108+18		R4-11							30" x 30"	1	6.25				-	-	-							
TECHWOOD DRIVE																								
200+69	10	R1-1				36" x 36"	1	9													12	1	12	
200+69		SP-1							30" x36"	1	7.5										-	-	-	
WILLIAMS STREET																								
302+92	11	R3-1										36" x 36"	1	9	10	1	10							
303+31	12	R1-1	18" x 18"	1	2.25										9	1	9							
304+07	13	R3-7										36" x 36"	1	9	10	1	10							
304+12	14	R5-1a	42" x 30"	1	8.75										7	1	7							
304+14	15	R5-1a	42" x 30"	1	8.75										7	1	7							
305+74	16	R5-1a	42" x 30"	1	8.75										7	1	7							
306+02	17	R5-1				36" x 36"	1	9							7	1	7							
306+22	18	R6-2							30" x 36"	1	7.5				10	1	10							
308+04	19	R2-1							30" x 36"	1	7.5				10	1	10							
308+04	20	R2-1							30" x 36"	1	7.5				10	1	10							
308+45	21	R10-15C(R)							30" x 36"	1	7.5				10	1	10							
311+76	22	R10-15C(R)							30" x 36"	1	7.5				10	1	10							
312+23	23	R15-8							18" x 36"	1	4.5				10	1	10							
313+12	24	R10-15C(R)							30" x 36"	1	7.5				10	1	10							
313+83	25	R15-8							18" x 36"	1	4.5				10	1	10							
314+44	26	R2-1							30" x 36"	1	7.5				10	1	10							
315+61	27	R5-1a	42" x 30"	1	8.75										7	1	7							
316+35	28	R5-1				36" x 36"	1	9																
316+35		R3-17							24" x 18"	1	3													
316+35		R3-17bP							24" x 8"	1	1.33													
PEACHTREE PLACE																								
400+02	29	R4-11							30" x 30"	1	6.25				10	1	10							
401+24	30	R1-1				36" x 36"	1	9													12	1	12	
401+24		R15-8							18" x 36"	1	4.5										-	-	-	
12TH STREET																								
500+15	31	R4-11							30" x 30"	1	6.25				10	1	10							
SUBTOTAL				5	41		7	63		21	147.48		2	18		23	254		1	12		2	24	0
AS DIRECTED				-	9		-	12		-	17.52		-	7		-	41		-	3		-	6	
TOTAL				5	50		7	75		21	165		2	25		23	295		1	15		2	30	

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REVISION DATES

SUMMARY QUANTITIES
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT

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

DRAWING No. 06-0003

SUMMARY OF QUANTITIES

RESET HIGHWAY SIGN		
QUANTITY	35	EA

HIGHWAY SIGNS, ALUM EXTRUDED PANELS, REFL SHEETING, TP 9		
QUANTITY	15	SF

THERMOPLASTIC PVMT MARKING, ARROW, TP 1		
QUANTITY	10	EA

THERMOPLASTIC PVMT MARKING, ARROW, TP 2		
TOTAL	14	EA

THERMOPLASTIC PVMT MARKING, ARROW, TP 3		
QUANTITY	6	EA

THERMOPLASTIC PVMT MARKING, WORD, TP 1		
TOTAL	7	EA

THERMOPLASTIC TRAF STRIPING, WHITE		
TOTAL	105	SY

THERMOPLASTIC TRAF STRIPING, YELLOW		
TOTAL	15	SY

PREFORMED PLASTIC SOLID PVMT MARKING, CONTRAST (BLACK-WHITE), TP PB		
TOTAL	110	SY

PREFORMED PLASTIC PAVEMENT MARKING, CONTRAST (BLACK-YELLOW), TP PB		
TOTAL	70	SY

HOT APPLIED PREFORMED PLASTIC PVMT MKG, BIKE LANE MARKING, TP P		
QUANTITY	38	EA

HOT APPLIED PREFORMED PLASTIC PVMT MKG, COLORIZED BIKE LANE, TP P (405 SY GREEN MARKING)		
TOTAL	1	EA

REMOVE HIGHWAY SIGN		
TOTAL	3	EA

THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE		
QUANTITY	2590	LF

THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW		
QUANTITY	2660	LF

THERMOPLASTIC SOLID TRAF STRIPE, 12 IN, WHITE		
QUANTITY	35	LF

THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE		
QUANTITY	220	LF

THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, WHITE		
QUANTITY	3380	GLF

THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, YELLOW		
TOTAL	1500	GLF

PREFORMED PLASTIC SOLID PVMT MKG, 5 IN, WHITE, TP PB		
QUANTITY	370	LF

PREFORMED PLASTIC SOLID PVMT MKG, 5 IN, YELLOW, TP PB		
QUANTITY	240	LF

PREFORMED PLASTIC SOLID PVMT MKG, 8 IN, WHITE, TP PB		
QUANTITY	2340	LF

PREFORMED PLASTIC SOLID PVMT MKG, 24 IN, WHITE, TP PB		
TOTAL	80	LF

PREFORMED PLASTIC SKIP PVMT MKG, 5 IN, WHITE, TP PB		
QUANTITY	490	GLF

PREFORMED PLASTIC SKIP PVMT MKG 5 IN., YELLOW TP PB		
QUANTITY	300	GLF

LANDSCAPING

QUANTITY	UNIT	COMMON NAME	BOTANICAL NAME	SIZE
		STREET TREES		
5	EA	NUTTALL OAK	QUERCUS NUTTALLII	3" CAL.
3	EA	MAIDENHAIR TREE	GINKGO BILOBA	3" CAL.
55	EA	POND CYPRESS	TAXODIUM ASCENDENS	3" CAL.
		SHRUBS & GRASSES		
1874	SY	BERMUDA GRASS	CYNODON DACTLYON	N/A
22	EA	INKBERRY HOLLY	ILEX GLABRA	3 GAL.
73	EA	MEXICAN FEATHER GRASS	NASSELLA TENUISSIMA	3 GAL.
99	EA	MUHLY GRASS	MUHLENBERGIA CAPILLARIS	3 GAL.
		PERENNIALS & GROUNDCOVER		
438	EA	ITSAUL PINK	DIANTHUS PLUMARIUS	1 GAL.
115	EA	CONEFLOWER	ECHINACEA PURPUREA	1 GAL.
359	EA	CREEPING LILY TURF	LIRIOPE SPICATA	4" POT
103	EA	PHLOX	PHLOX DIVARICATA 'BLUE MOON'	1 GAL.
89	EA	DWARF FRAGRANT SUMAC	RHUS AROMATICA 'GRO LOW'	1 GAL.

*THERE IS NO SEPERATE PAYMENT FOR MEXICAN FEATHER GRASS - COST TO BE GROUPED WITH THE MUHLY GRASS PAY ITEM

GRASSING

ITEM	UNIT	TOTAL
TEMPORARY GRASSING	ACRES	1
MULCH	TN	11
AGRICULTURAL LIME	TN	1
FERTILIZER MIXED GRADE	TN	1
FERTILIZER NITROGEN CONTENT	LBS	8

UTILITIES

ITEM	UNIT	TOTAL
ADJUST WATER VALVE BOX TO GRADE	EA	17
ADJUST WATER VALVE VAULT TO GRADE	EA	3
ADJUST HYDRANT TO GRADE	EA	6
ADJUST MANHOLE TO GRADE	EA	22

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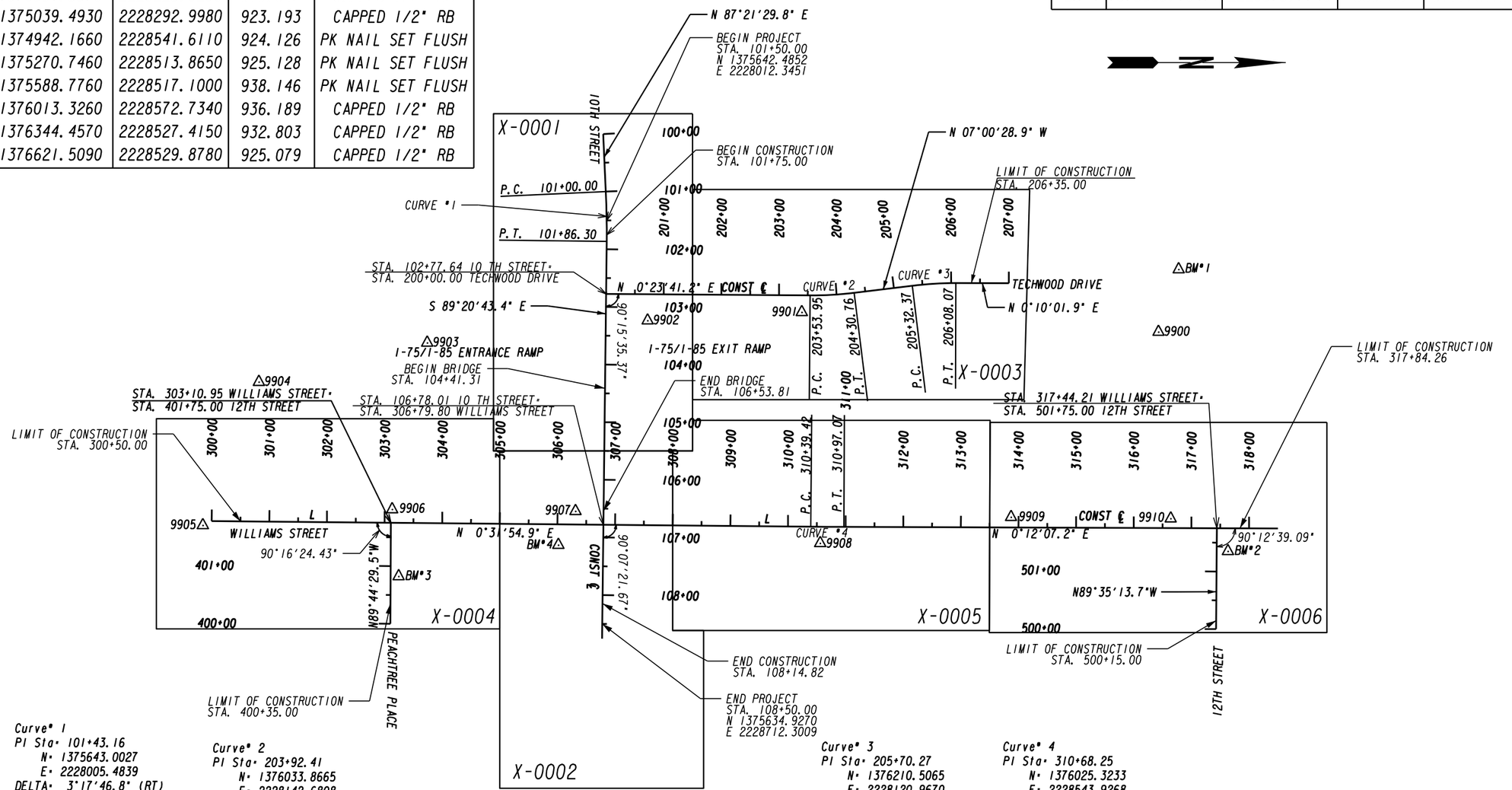
SUMMARY QUANTITIES
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT

CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	06-0004
VERIFIED:		DATE:	

HORIZONTAL SURVEY CONTROL POINT				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
9900	1376600.3450	2228206.1750	908.306	CAPPED 1/2" RB
9901	1375981.4070	2228171.9900	934.128	CAPPED 1/2" RB
9902	1375713.9540	2228186.4810	924.642	CAPPED 1/2" RB
9903	1375331.5570	2228225.0290	919.042	CAPPED 1/2" RB
9904	1375039.4930	2228292.9980	923.193	CAPPED 1/2" RB
9905	1374942.1660	2228541.6110	924.126	PK NAIL SET FLUSH
9906	1375270.7460	2228513.8650	925.128	PK NAIL SET FLUSH
9907	1375588.7760	2228517.1000	938.146	PK NAIL SET FLUSH
9908	1376013.3260	2228572.7340	936.189	CAPPED 1/2" RB
9909	1376344.4570	2228527.4150	932.803	CAPPED 1/2" RB
9910	1376621.5090	2228529.8780	925.079	CAPPED 1/2" RB

VERTICAL SURVEY CONTROL POINT				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
BM•1	1376635.3144	2228097.6501	911.96	CITY/STATE BOLT ON HYD FLANGE
BM•2	1376720.8117	2228586.6148	925.41	CITY/STATE BOLT ON HYD FLANGE
BM•3	1375281.8847	2228630.1473	927.68	CITY/STATE BOLT ON HYD FLANGE
BM•4	1375559.1047	2228575.7740	939.65	CITY/STATE BOLT ON HYD FLANGE



Curve• 1
PI Sta• 101+43.16
N• 1375643.0027
E• 2228005.4839
DELTA• 3°17'46.8" (RT)
D• 3°49'10.99"
T• 43.16
L• 86.30
R• 1500.00
E• 0.62
D.S.• 0

Curve• 2
PI Sta• 203+92.41
N• 1376033.8665
E• 2228142.6808
DELTA• 07°24'10.1" (LT)
D• 09°38'15.51"
T• 38.46
L• 76.81
R• 594.50
E• 1.24

Curve• 3
PI Sta• 205+70.27
N• 1376210.5065
E• 2228120.9670
DELTA• 07°10'30.8" (RT)
D• 09°28'41.56"
T• 37.90
L• 75.70
R• 604.50
E• 1.19

Curve• 4
PI Sta• 310+68.25
N• 1376025.3233
E• 2228543.9268
DELTA• 0°19'47.7" (LT)
D• 0°34'20.18"
T• 28.83
L• 57.65
R• 10012.00
E• 0.04

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SCALE IN FEET
0 100 200 400

REVISION DATES

CONSTRUCTION LAYOUT
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT

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

10/23/2015 GPLN

MATCH LINE STA. 201+50 DRAWING No. 13-0003

6
N/F
TURNER BROADCASTING SYSTEMS, INC.
TAX PARCEL 17-0107-LL-0346

8' LANDSCAPE STRIP
REFER TO SECTION 29-0003 FOR LANDSCAPING DETAILS
12' SHARED USED PATH
FILL EXIST. PIPE WITH FLOWABLE FILL AND ABANDON IN PLACE
REMOVE EXIST STRUCTURE
STA. 102+77.64 10 TH STREET = 201+00
STA. 200+00.00 TECHWOOD DRIVE
BEGIN PROJECT
STA. 101+50.00
N 1375642.4852
E 2228012.3451
BEGIN TP 2 HEADER CURB
BEGIN SIDEWALK
TIE TO EXIST.
STA. 102+16.06
43.73' LT
TP A RAMP
EXIST. R/W
DJB (15667) TOP: 910.03 GRATE: 909.54 IN: 906.86 OUT: 905.93
DJB (14346) TOP: 913.57 GRATE: 912.64 FULL OF DEBRIS
EX-C1 ADJUST TO GRADE
20' R
10TH STREET
CONST ℄
W 87°21'29.8" E
CURVE #1
N 1375641.0134
E 2227962.3691
DJB (2938) TOP: 906.42 IN: 901.46 OUT: 901.16
DJB (11739) TOP: 909.01 IN 'A': 905.83 IN 'B': 904.46 OUT: 904.15
DDI (14456) TOP: 908.66 IN: 906.30 OUT: 906.22
DDI (14458) TOP: 911.75 IN: 907.30 OUT: 907.25
DDI (14459) TOP: 913.77 OUT: 909.52
P.C. 101+00.00
P.T. 101+86.30
BEGIN CONSTRUCTION STA. 101+75.00
BEGIN MILL & INLAY STA. 101+75.00
REMOVE EXISTING RAMP AND INSTALL GRANITE CURB AND GRASS STRIP TO MATCH EXISTING
BEGIN 24" TP 2 CURB AND GUTTER STA. 102+56.47 41.22' RT
REMOVE AND RESET GATE POST FOR CONSTRUCTION OF CURB AND GUTTER (TO BE QUANTIFIED UNDER RESET METAL GATE)
BEGIN 24" TP 2 CURB AND GUTTER TIE TO DRIVEWAY STA. 102+56.68 63.57' RT
BEGIN STRAIGHT GRANITE CURB, 5"X17", TP A (6" EXPOSED) CURB
BEGIN SIDEWALK TIE TO EXIST. STA. 102+82.32 30.89' RT
BEGIN 24" TP 2 CURB AND GUTTER STA. 102+80.36 41.11' RT
DO NOT DISTURB EXIST. GATE
END 24" TP 2 CURB & GUTTER TIE TO EXIST. STA. 102+80.47 59.12' RT
DO NOT DISTURB EXIST. FENCE

Curve #1
PI Sta. 101+43.16
N. 1375643.0027
E. 2228005.4839
DELTA. 3°17'46.8" (RT)
D. 3°49'10.99"
T. 43.16
L. 86.30
R. 1500.00
E. 0.62

1
N/F
REGENTS - UNIVERSITY SYSTEM OF GEORGIA
TAX PARCEL 17-0107-LL-0171

TECHWOOD DRIVE
CONST ℄ LT 0°23'41.2" E
DDI (14451) TOP: 923.04 BTM: 917.83 TO PIPES NOT VISIBLE
DJB (14343) TOP: 917.98 GRATE: 917.38 BTM: 914.75 FULL OF DEBRIS
A-3
EX-A2
AA-3
BEGIN 30" TP 2 CURB & GUTTER TIE TO EXIST. STA. 200+82.37 16.67' RT
DCB (15170) TOP: 921.50 IN: 917.76 OUT: 917.62
TP A RAMP (TYP.)
A-1
A-2
DJB (14342) TOP: 919.15 GRATE: 918.79 BTM: 913.31
22' R
17' R
67' R
12' R
TRUCK APRON SEE DETAIL 05-0006
90°15'35.37"
3' R
INSTALL ADA DETECTABLE WARNING STRIPS (TYP.)
30' R
ASPHALT DRIVE
GATE
ADA RAMP (TYP)
END SIDEWALK STA. 103+10.88 31.31' RT
RAISED MONOLITHIC CONCRETE MEDIAN WITH TP 2 CURB FACE
TP B RAMP
END STRAIGHT GRANITE CURB, 5"X17", TP A (6" EXPOSED) STA. 103+57.11 83.62' RT
DDI (15669) TOP: 920.94 FULL OF DEBRIS
EXIST. R/W
I-75/I-85 ENTRANCE RAMP

I-75/I-85 EXIT RAMP
END 30" TP 2 CURB & GUTTER
END SIDEWALK
TIE TO EXIST.
STA. 103+47.77
67.00' LT
LIMIT OF MILL AND INLAY
BEGIN 30" TP 2 CURB & GUTTER
TIE TO EXIST.
STA. 103+95.38
65.00' LT
TRANSITION TO 30" TP 1 CURB & GUTTER
STA. 104+21.56
42.50' LT
BEGIN SIDEWALK.
STA. 104+17.35
52.00' LT
END 30" TP 1 CURB & GUTTER
BEGIN TP 1 CURB
STA. 104+21.56
42.50' LT
END TP 1 CURB
BEGIN BARRIER
HEIGHT = 0'-8"
STA. 104+28.00
44.56' LT
6'-11" SIDEWALK
BARRIER
HEIGHT = 3'10"
STA. 104+58.00
43.50' LT
I-75/I-85
MODIFIED TP D RAMP
12' R
67' R
7' R
A-5
DJB (14336) TOP: 926.48 GRATE: 925.73 IN: 919.60 OUT: 919.13
END APPROACH SLAB WIDENING
GDOT STD 9017L
BEGIN BRIDGE
BEGIN ⅛" POLYMER OVERLAY
STA. 104+41.31
3' R
10TH STREET
S 89°20'43.4" E
END MILL & INLAY
BEGIN APPROACH SLAB WIDENING
GDOT STD 9017L
STA. 104+21.68
N 1375638.9257
E 2228362.3238
6' RAISED MONOLITHIC CONCRETE MEDIAN WITH TP 7 CURB FACE
5' R
DO NOT DISTURB EXIST. MANHOLE.
FIELD VERIFY SIZE/LOCATION AND ADJUST PROP. MEDIAN AS NEEDED
AA-4
A-4
DJB (14347) TOP: 922.42 GRATE: 921.90 OUT:
BEGIN SIDEWALK STA. 104+12.41 40.50' RT
7'-6" SIDEWALK
MODIFIED TP D RAMP
BEGIN TP 1 CURB STA. 103+49.44 44.00' RT
END 30" TP 2 CURB AND GUTTER STA. 103+92.12 52.00' RT
BEGIN 30" TP 2 CURB AND GUTTER TIE TO EXIST. STA. 103+89.87 75.21' RT
LIMIT OF MILL AND INLAY
8'-0" SIDEWALK
BARRIER HEIGHT = 3'6" STA. 104+63.02 32.50' RT
BEGIN BARRIER HEIGHT = 0'-4" STA. 104+33.02 33.33' RT
END TP 1 CURB STA. 104+41.31 44.00' RT

DRAWING No. 13-0002
MATCH LINE STA. 105+50

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)

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SCALE IN FEET
0 20 40 80

REVISION DATES

CONSTRUCTION PLAN
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT

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

10/23/2015 GPLN

MATCH LINE STA. 308+00 DRAWING No. 13-0005

308+00

DO NOT DISTURB EXIST. BRICK PAVERS AT BACK OF EXIST. SIDEWALK

END SIDEWALK STA. 106+59.36 51.99' LT

BEGIN TP 3 HEADER CURB STA. 307+47.83 26.21' LT

BEGIN TP 1 HEADER CURB

END BARRIER HEIGHT = 0'-8" STA. 106+52.02 44.56' LT

BARRIER HEIGHT = 3'10" STA. 106+22.02 43.50' LT

I-75/I-85

106+00

TP B RAMP

6'-11" SIDEWALK

DRAWING No. 13-0001

CONST ℄ WILLIAMS STREET

107+00

15' R

25' R

+/-7.5' SIDEWALK

13.5' PLANTED BUFFER

DO NOT DISTURB EXIST. BENCH

TWELVE STORY BRICK & CONC.

10' RAISED CYCLE TRACK

5' PLANTED BUFFER

DO NOT DISTURB EXIST. LIGHT POLE

3

N/F
THE ATLANTA DEVELOPMENT AUTHORITY
TAX PARCEL 17-0107000506 62
DB 54918 PG 609

REMOVE AND REPLACE EXIST. SIDEWALK

MODIFIED TP A RAMP

MODIFIED TP A RAMP WITH PAVER STRIP

DO NOT DISTURB EXIST. TREES

108+00

EXIST. R/W

ESA - H.M. PATTERSON & SON - SPRING HILL CHAPEL
SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN
GENERAL NOTES FOR CONSTRUCTION RESTRICTIONS

END 30" TP 2 CURB AND GUTTER TIE TO EXIST. STA. 107+53.33 41.31' LT

10' RAISED CONCRETE MEDIAN WITH STRAIGHT GRANITE CURB, 5"X17", TP A WITH TYPE 7 FACE (6" EXPOSED)

END STRAIGHT GRANITE CURB, 5"X17", TP A (6" EXPOSED) TIE TO EXIST. STA. 107+47.90 4.36' LT

DO NOT DISTURB EXIST. TREES WITHIN MEDIAN

BEGIN 30" TP 2 CURB & GUTTER TRANSITION GUTTER TO FULL WIDTH STA. 107+37.74 41.99' LT

END SIDEWALK

FIELD VERIFY SIZE/LOCATION AND ADJUST PROP. MEDIAN AS NEEDED

307+00

DO NOT DISTURB EXIST. MANHOLE

10TH STREET

90°07'21.67"

CONST ℄ 10TH STREET

S 89°20'43.4" E

END BRIDGE
END ¾" POLYMER OVERLAY
BEGIN APPROACH SLAB WIDENING GDOT STD 9017L STA. 106+53.81

4' R

STRAIGHT GRANITE CURB, 5"X17", TP A (6" EXPOSED)

END APPROACH SLAB WIDENING GDOT STD 9017K

BEGIN MILL & INLAY STA. 106+84.19

END PROJECT
STA. 108+50.00
N 1375634.9270
E 2228712.3009

END CONSTRUCTION STA. 108+14.82

END MILL & INLAY STA. 108+14.82

ORANGE BARRIER FENCE

2' R
1' R
25' R
1' R
4' R
18' R
16.5' R
5' R

MATCH LINE STA. 105+50

CHAINLINK FENCE

8'-0" SIDEWALK

BARRIER HEIGHT = 3'6" STA. 106+22.02 32.50' RT

END BARRIER HEIGHT = 0'-4" STA. 106+52.02 33.33' RT

306+00

END SIDEWALK STA. 106+56.10 44.74' RT

BEGIN TP 1 HEADER CURB STA. 106+53.81 44.00' LT

MODIFIED TP D RAMP

BEGIN TP 2 HEADER CURB STA. 306+25.89 16.50' LT

I-75/I-85

WILLIAMS STREET

N 0°31'54.9" E

STA. 106+78.01 10 TH STREET
STA. 306+79.80 WILLIAMS STREET

305+00

RAISED MONOLITHIC CONCRETE MEDIAN WITH TP 2 CURB FACE

INSTALL DETECTABLE WARNING STRIP (TYP.)

DO NOT DISTURB EXIST. TREE

RAISED MONOLITHIC CONCRETE MEDIAN WITH TP 2 CURB FACE

END TP 2 HEADER CURB END SIDEWALK TIE TO EXIST. STA. 107+41.16 40.02' RT

END TP 2 HEADER CURB STA. 107+41.16 50.24' RT

RAISED MONOLITHIC CONCRETE MEDIAN WITH TP 7 CURB FACE

MODIFIED TP D RAMP (TYP.)

BEGIN TP 2 HEADER CURB STA. 306+10.08 36.16' RT

END 1.75' RAISED MONOLITHIC CONCRETE MEDIAN WITH TP 2 CURB FACE STA. 306+22.63 16.50' RT

DO NOT DISTURB EXIST. WALL

8'-3" SIDEWALK

1.75' RAISED MONOLITHIC CONCRETE MEDIAN WITH TP 2 CURB FACE

10' CYCLE TRACK

N/F
PEP GT, LLC.
TAX PARCEL 17-0107000606 04
DB 54440 PG 336

MATCH LINE STA. 305+00 DRAWING No. 13-0004

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)

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 601, 817 West Peachtree Street, NW
Atlanta, GA 30308

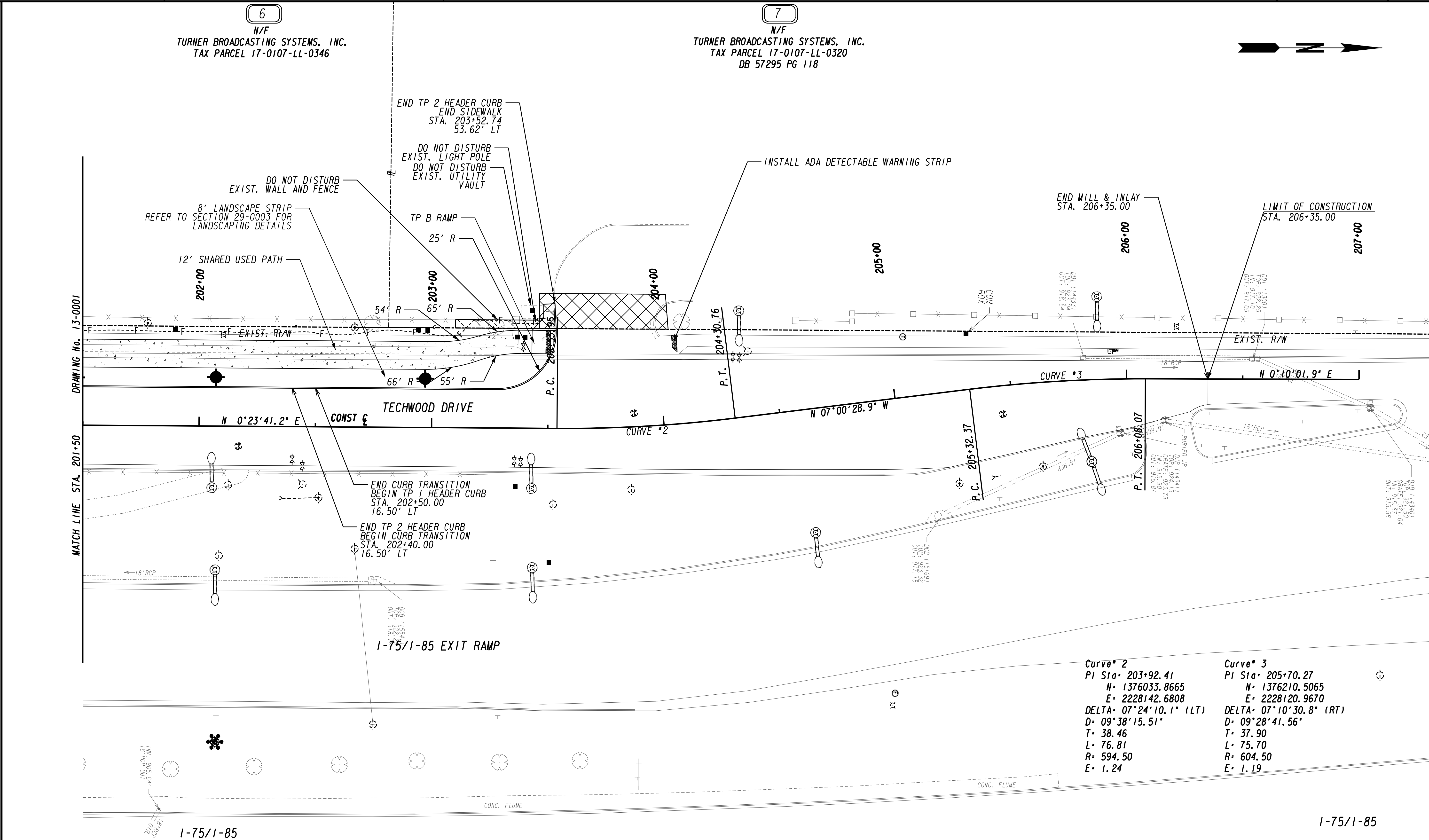
SCALE IN FEET
0 20 40 80

REVISION DATES

CONSTRUCTION PLAN
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		13-0002
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)

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SCALE IN FEET
0 20 40 80

REVISION DATES

CONSTRUCTION PLAN
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT

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

DRAWING No.
13-0003

I-75/I-85

I-75/I-85

BEGIN TYPE III SPECIAL SURFACE COATING FINISH
APPLY TO VERTICAL FACE OF PARAPET WALL ONLY
STA. 301+22.22

LIMIT OF CONSTRUCTION
STA. 300+50.00

BEGIN MILL & INLAY
STA. 300+50.00

300+00

301+00

302+00

303+00

304+00

305+00

MATCH LINE STA. 305+00

DRAWING No. 13-0002

BEGIN 1.75' RAISED MONOLITHIC CONCRETE
MEDIAN WITH TP 2 CURB FACE
STA. 303+27.20
20.44' RT

BEGIN TP 2 HEADER CURB
TIE TO EXIST.
STA. 303+00.67
18.12' LT

STA. 303+10.95 WILLIAMS STREET
STA. 401+75.00 PEACHTREE PLACE

BEGIN 1.75' RAISED MONOLITHIC CONCRETE
MEDIAN WITH TP 2 CURB FACE
STA. 303+58.00
17.38' RT

5'-6" DRAINAGE OPENING

BEGIN 1.75' RAISED MONOLITHIC CONCRETE
MEDIAN WITH TP 2 CURB FACE
STA. 303+52.50
17.38' RT

5'-6" DRAINAGE OPENING

TRUNKLINE APPROXIMATE LOCATION

72"RCP

CONST ℄ WILLIAMS STREET N 0°31'54.9" E

90°16'24.43"

15' R

50' R

60' R

10.5' R
(TYP.)

EX-A1

ADJUST TO GRADE

EXIST. R/W

DO NOT DISTURB
EXIST. TREES

DO NOT DISTURB
EXIST. WALL

8'-3" SIDEWALK

10' CYCLE TRACK

1.75' RAISED MONOLITHIC
CONCRETE MEDIAN WITH TP 2 CURB FACE

TP B RAMP

BEGIN 30" TP 2 CURB & GUTTER
TIE TO EXIST.
STA. 302+67.84
24.73' RT

INSTALL BRICK PAVERS IN KIND

TP A RAMP

END 30" TP 2 CURB & GUTTER
TIE TO EXIST. HEADER CURB
STA. 401+31.05
8.29' LT

BEGIN TP 2 HEADER CURB
BEGIN SIDEWALK
TIE TO EXIST.
STA. 401+31.05
10.29' RT

BEGIN 1.75' RAISED MONOLITHIC CONCRETE
MEDIAN WITH TP 2 CURB FACE
STA. 303+92.50
17.38' RT

END 1.75' RAISED MONOLITHIC CONCRETE
MEDIAN WITH TP 2 CURB FACE
STA. 303+87.00
17.38' RT

BEGIN MILL & INLAY
STA. 400+35.00

LIMIT OF CONSTRUCTION
STA. 400+35.00

401+00

400+00

CONST ℄

N89°44'29.5"W

PEACHTREE PLACE

EXIST. R/W

8 TH STREET

N/F
THE ATLANTA
DEVELOPMENT AUTHORITY
TAX PARCEL 14-008000032064

N/F
DEVELOPMENT AUTHORITY
OF FULTON COUNTY
TAX PARCEL 17-0107000065736
DB 54972 PG 479

N/F
PEP GT, LLC.
TAX PARCEL 17-0107000060604
DB 54440 PG 336

SIX STORY CONCRETE BUILDING

TEN STORY BLOCK & CONC. PARKING GARAGE

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)

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Engineering, Planning, and Environmental Consultants
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Atlanta, GA 30308

SCALE IN FEET
0 20 40 80

REVISION DATES

CONSTRUCTION PLAN
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT

CHECKED:		DATE:		DRAWING No.
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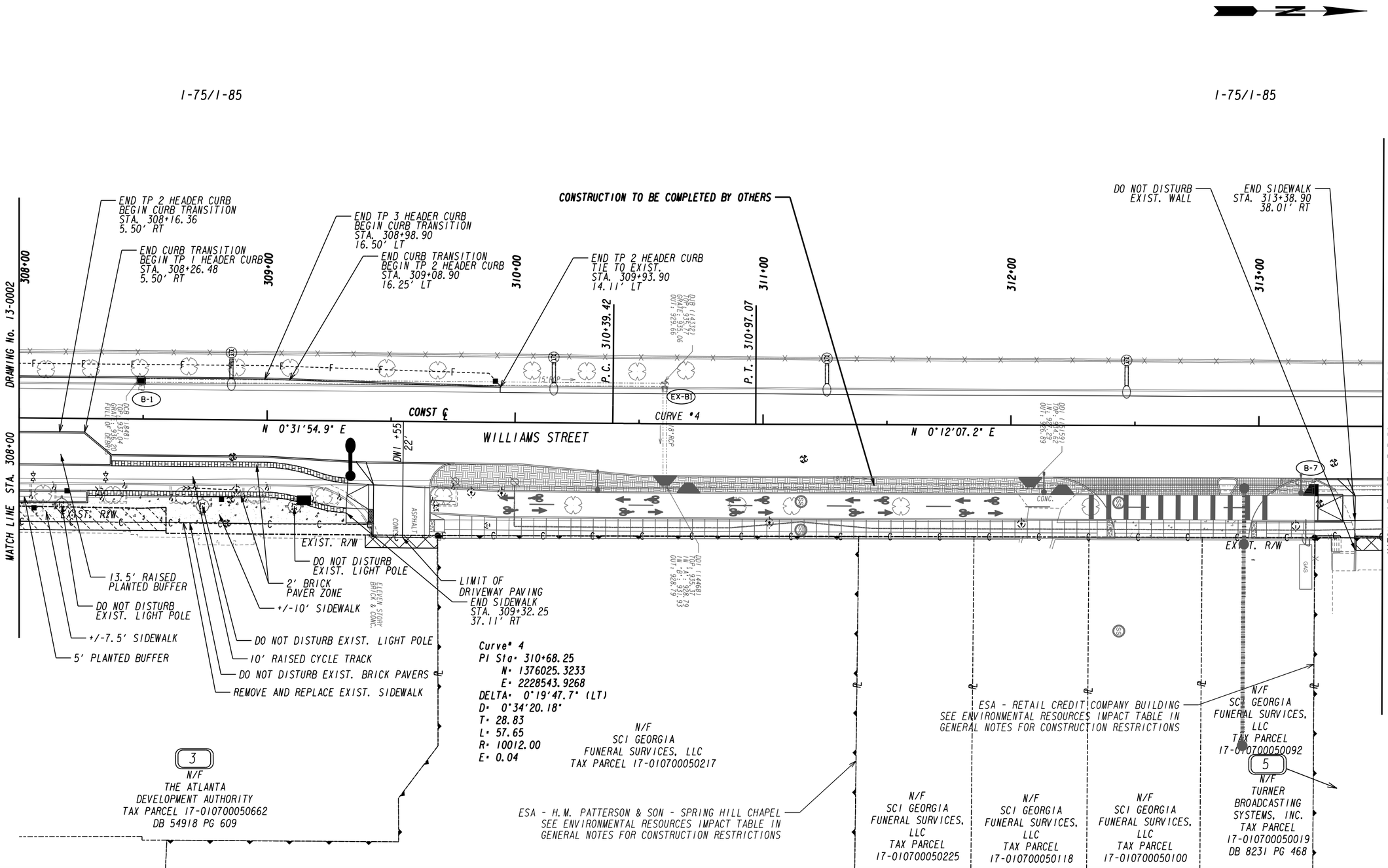
CORRECTED:		DATE:		13-0004
VERIFIED:		DATE:		

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)

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Engineering, Planning, and Environmental Consultants
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SCALE IN FEET
0 20 40 80

REVISION DATES

CONSTRUCTION PLAN
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT

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

10/23/2015 GPLN

I-75/I-85

I-75/I-85

DRAWING No. 13-0005

MATCH LINE STA. 313+50

BEGIN TP 2 HEADER CURB
STA. 313+88.04
21.00' RT

BEGIN SIDEWALK
STA. 313+84.91
37.00' RT

END TP 2 HEADER CURB
BEGIN CURB TRANSITION
STA. 314+30.00
21.00' RT

END CURB TRANSITION
BEGIN TP 4 HEADER CURB
STA. 314+40.00
21.00' RT

END CURB TRANSITION
BEGIN TP 2 HEADER CURB
STA. 316+17.83
27.00' RT

END TP 4 HEADER CURB
BEGIN CURB TRANSITION
STA. 316+07.83
21.00' RT

FILL EXIST. PIPE WITH FLOWABLE FILL AND ABANDON IN PLACE

REMOVE EXIST STRUCTURE

END TYPE III SPECIAL SURFACE COATING FINISH APPLY TO VERTICAL FACE OF PARAPET WALL ONLY
STA. 316+93.65

STA. 317+44.21 WILLIAMS STREET=
STA. 501+75.00 12TH STREET

LIMIT OF CONSTRUCTION
STA. 317+84.26

314+00 | 315+00 | 316+00 | 317+00 | 318+00

6' PLANTED BUFFER
10' CYCLE TRACK
6.5' SIDEWALK

CONST ℄
N 0°12'07.2" E

WILLIAMS STREET

DW2 +62
46'

DW3 +93
34'

DW4 +15
18'

20' R

90°12'39.09"

B-8 | B-9 | B-10 | B-11 | B-12 | B-13 | B-14 | B-15

24" RCP | 30" RCP | 18" RCP | 36" RCP | 15" RCP

CONC. | EXIST. R/W | STEPS | TWO STORY BRICK | PARKING GARAGE | DIR.

TP 2 HEADER CURB
14.5' PLANTED BUFFER
8' SHARED USE PATH
TP 9 HEADER CURB
DO NOT DISTURB EXIST. WALL
LIMIT OF DRIVEWAY PAVING
LIMIT OF DRIVEWAY PAVING
TP 9 HEADER CURB
REMOVE AND REPLACE EXIST. SIDEWALK
DO NOT DISTURB EXIST. WALL
PROPOSED 12" PVC PIPE FROM EXIST. DRIVEWAY INLET
END TP 2 HEADER CURB
END SIDEWALK
TIE TO EXIST.
STA. 500+75.68
15.73' LT

TP A RAMP
501+00

DO NOT DISTURB EXIST. WALLS
LIMIT OF DRIVEWAY PAVING
END CURB TRANSITION
BEGIN TP 1 HEADER CURB
STA. 314+40.00
27.00' RT
END TP 2 HEADER CURB
BEGIN CURB TRANSITION
STA. 314+30.00
27.00' RT

5
N/F
TURNER BROADCASTING SYSTEMS, INC.
TAX PARCEL 17-010700050019
DB 8231 PG 468

ESA - RETAIL CREDIT COMPANY BUILDING
SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN GENERAL NOTES FOR CONSTRUCTION RESTRICTIONS

500+00

N89°35'13.7"W

12TH STREET

EXIST. R/W

BEGIN MILL & INLAY
STA. 500+15.00

LIMIT OF CONSTRUCTION
STA. 500+15.00

END MILL & INLAY
STA. 317+84.26

N/F
SEGIG ENTERPRISES, INC.
TAX PARCEL 17-010700040507

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)

Kimley»Horn
Engineering, Planning, and Environmental Consultants
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Atlanta, GA 30308

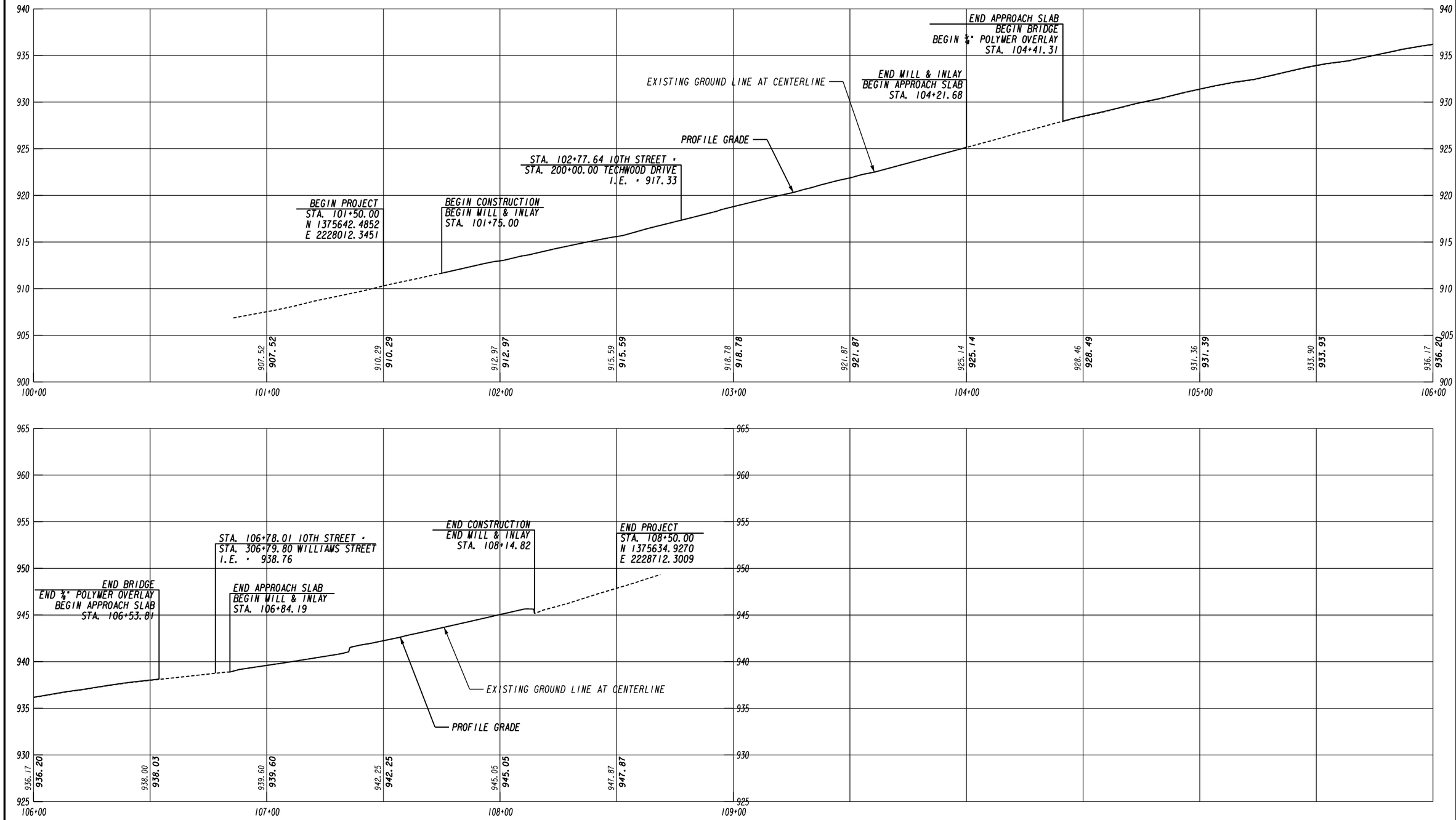
SCALE IN FEET
0 20 40 80

REVISION DATES

CONSTRUCTION PLAN
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		13-0006
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN



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Atlanta, GA 30308

HORIZ. SCALE IN FEET
0 20 40 80

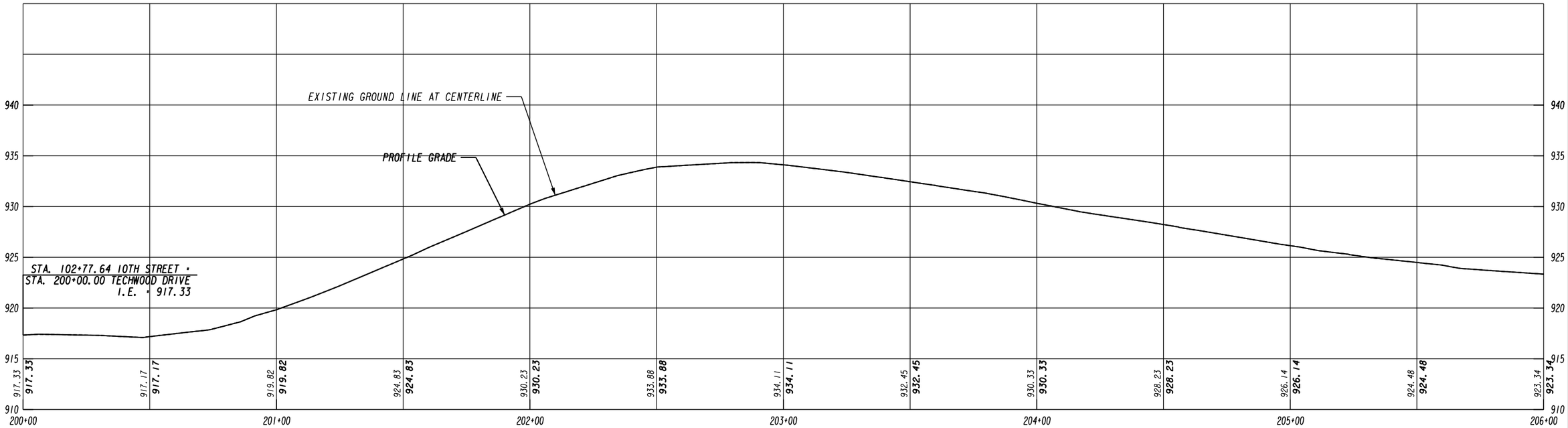
VERT. SCALE IN FEET
0 5 10 20

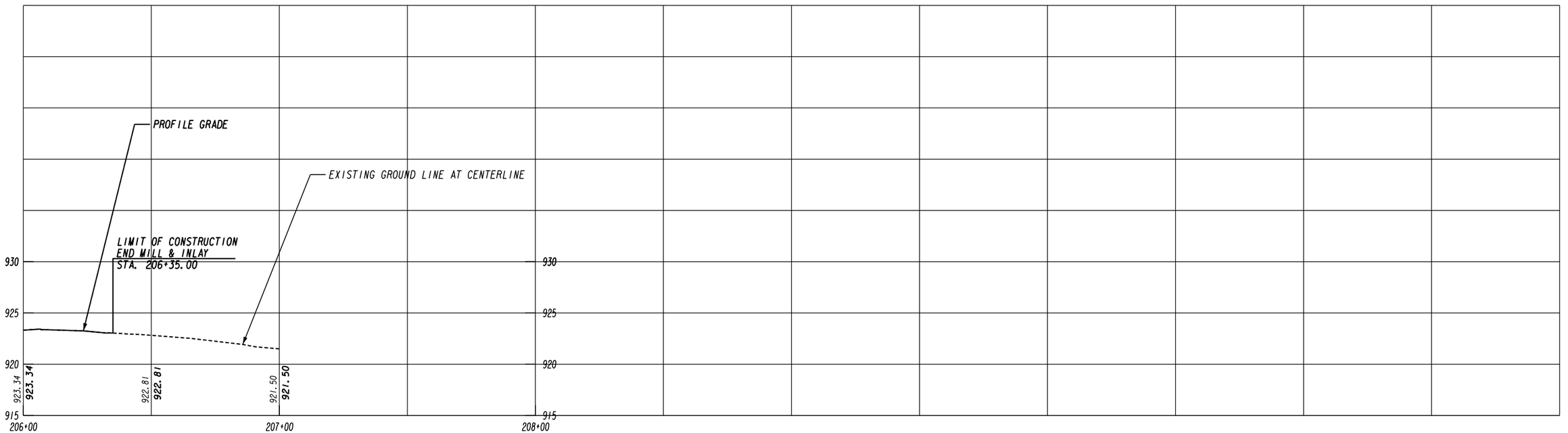
REVISION DATES

MAINLINE PROFILE
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT
10TH STREET

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

7/31/2015 GR220E





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Atlanta, GA 30308

HORIZ. SCALE IN FEET
0 20 40 80

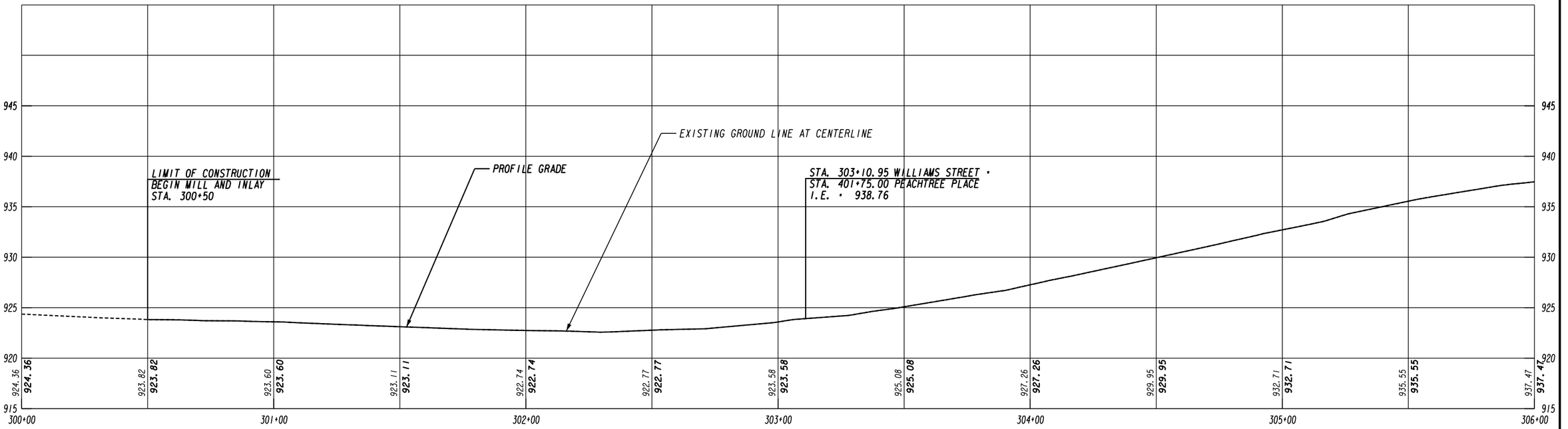
VERT. SCALE IN FEET
0 5 10 20

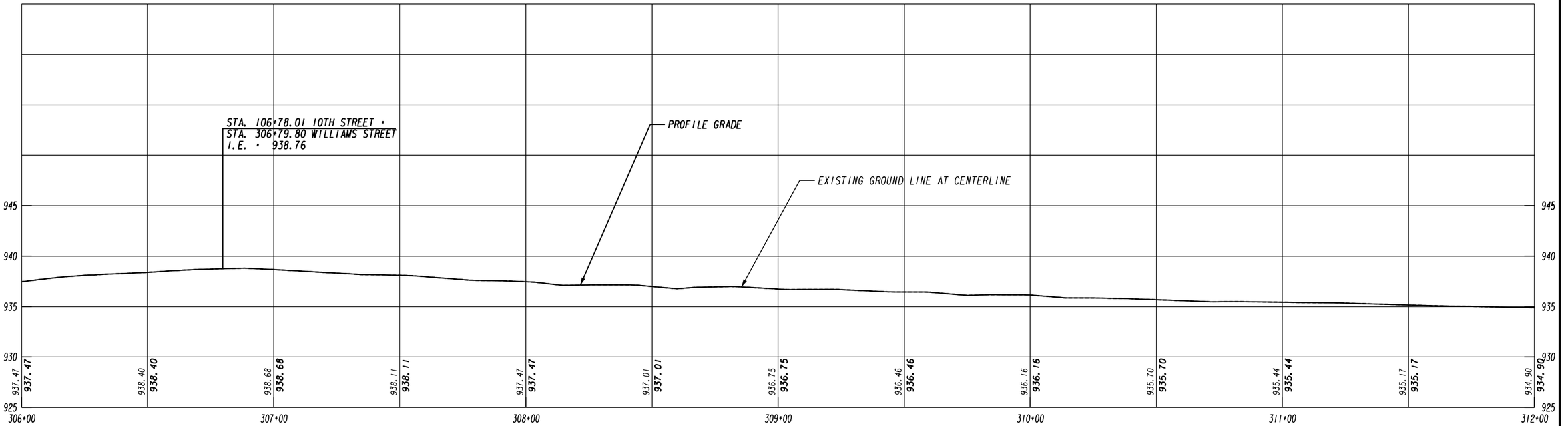
REVISION DATES

CROSSROAD PROFILE
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT
TECHWOOD DRIVE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		16-0001
CORRECTED:		DATE:		
VERIFIED:		DATE:		

7/31/2015 GR220E





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Atlanta, GA 30308

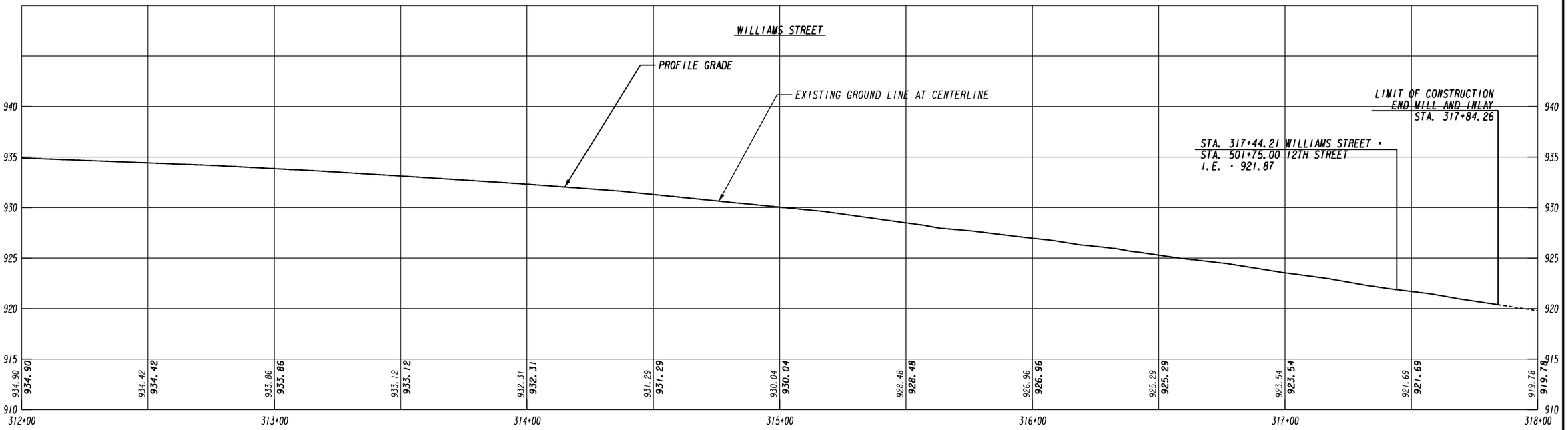
HORIZ. SCALE IN FEET
0 20 40 80

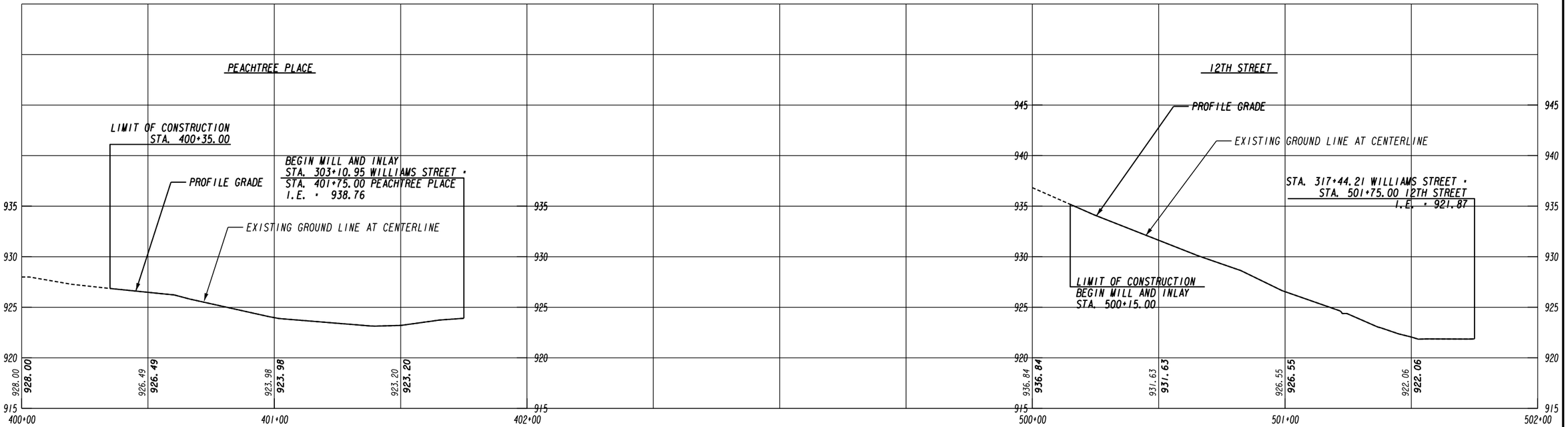
VERT. SCALE IN FEET
0 5 10 20

REVISION DATES

CROSSROAD PROFILE
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT
WILLIAMS STREET

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		16-0002
CORRECTED:		DATE:		
VERIFIED:		DATE:		





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Atlanta, GA 30308

HORIZ. SCALE IN FEET
0 20 40 80

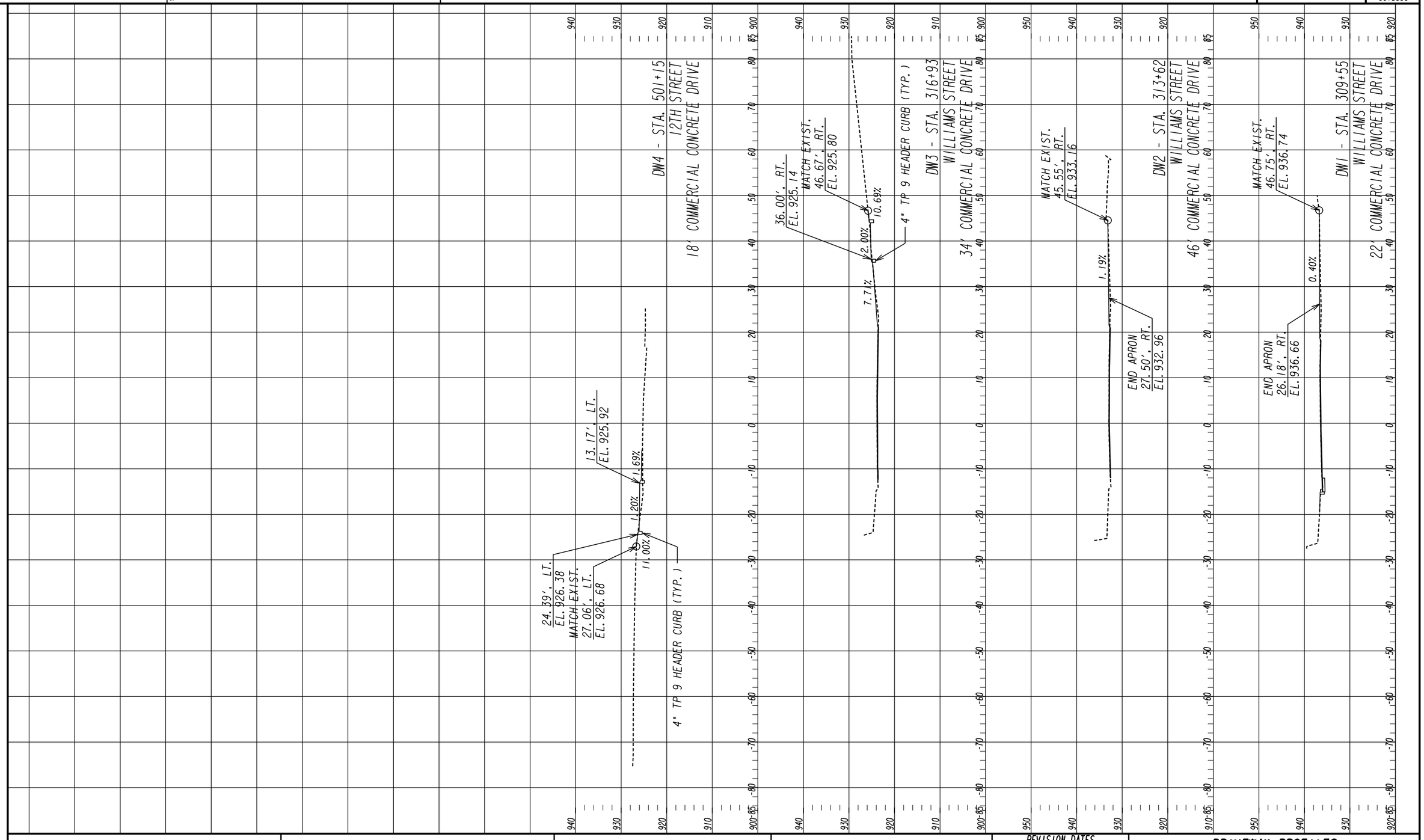
VERT. SCALE IN FEET
0 5 10 20

REVISION DATES

CROSSROAD PROFILE
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT
WILLIAMS STREET, PEACHTREE PL. & 12TH ST

CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	16-0003
CORRECTED:		DATE:	
VERIFIED:		DATE:	

7/31/2015 GR220E



09/17/2015 SUXEN

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Atlanta, GA 30308

SCALE IN FEET
0 10 20 40

REVISION DATES

DRIVEWAY PROFILES
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT

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

DRAWING No.
17-0001

MATCH LINE STA. 201+50 DRAWING No. 18-0003

SEE SHEET 18-0001c FOR DETAIL

BEGIN PROJECT
STA. 101+50.00
N 1375642.4852
E 2228012.3451

200+85.33
37.00' LT
EL. =918.48

200+70.41
37.92' LT
EL. =916.36

102+36.46
63.57' LT
EL. =916.22

102+50.27
54.89' LT
EL. =916.44

102+25.25
53.94' LT
EL. =914.31

200+85.33
25.00' LT
EL. =918.42

200+66.13
22.61' LT
EL. =916.68

102+25.78
44.26' LT
BOC EL. =913.66
TOC EL. =914.16

102+52.71
49.02' LT
BOC EL. =915.61
TOC EL. =916.11

102+56.33
52.47' LT
EL. =915.9

200+63.68
16.56' LT
EL. =916.53

200+68.69
16.30' LT
BOC EL. =916.75
TOC EL. =917.25

103+97.35
52.00' LT
BOC EL. =924.18
TOC EL. =924.68

104+17.33
52.00' LT
EL. =926.09

104+02.33
44.50' LT
EL. =924.77

104+17.34
44.50' LT
BOC EL. =925.62
TOC EL. =925.95

104+09.85
44.00' RT
BOC EL. =925.34
TOC EL. =925.67

104+09.85
52.00' RT
EL. =925.83

103+94.90
44.00' RT
EL. =924.14

103+94.12
52.00' RT
EL. =923.97

BEGIN CONSTRUCTION
STA. 101+75.00

SEE SHEET 18-0001b FOR DETAIL

DO NOT DISTURB
EXIST. GATE

DO NOT DISTURB
EXIST. FENCE

DRAWING No. 18-0002a

MATCH LINE STA. 105+50

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)	

alta Kimley»Horn
84 Peachtree Street NW, #600
Atlanta, GA 30303
470-290-1200 | altago.com
Engineering, Planning, and Environmental Consultants
Suite 601, 817 West Peachtree Street, NW
Atlanta, GA 30308

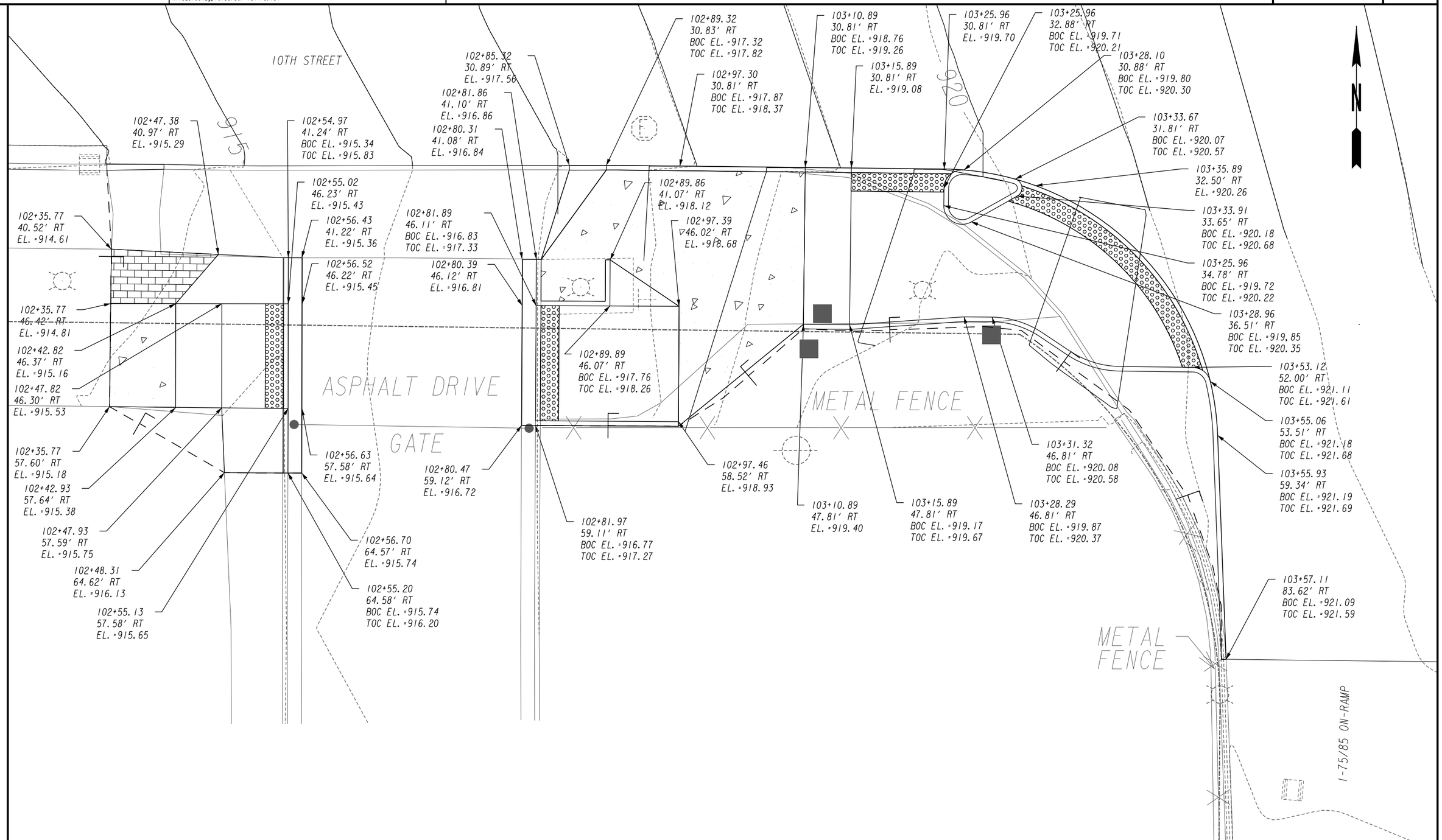
SCALE IN FEET
0 20 40 80

REVISION DATES

SPECIAL GRADING
10TH STREET BRIDGE MULTI-MODAL CONNECTION PROJECT

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		18-0001a
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)

alta Kimley»Horn
84 Peachtree Street NW, #600 Atlanta, GA 30303 470-290-1200 | altago.com
Engineering, Planning, and Environmental Consultants Suite 601, 817 West Peachtree Street, NW Atlanta, GA 30308

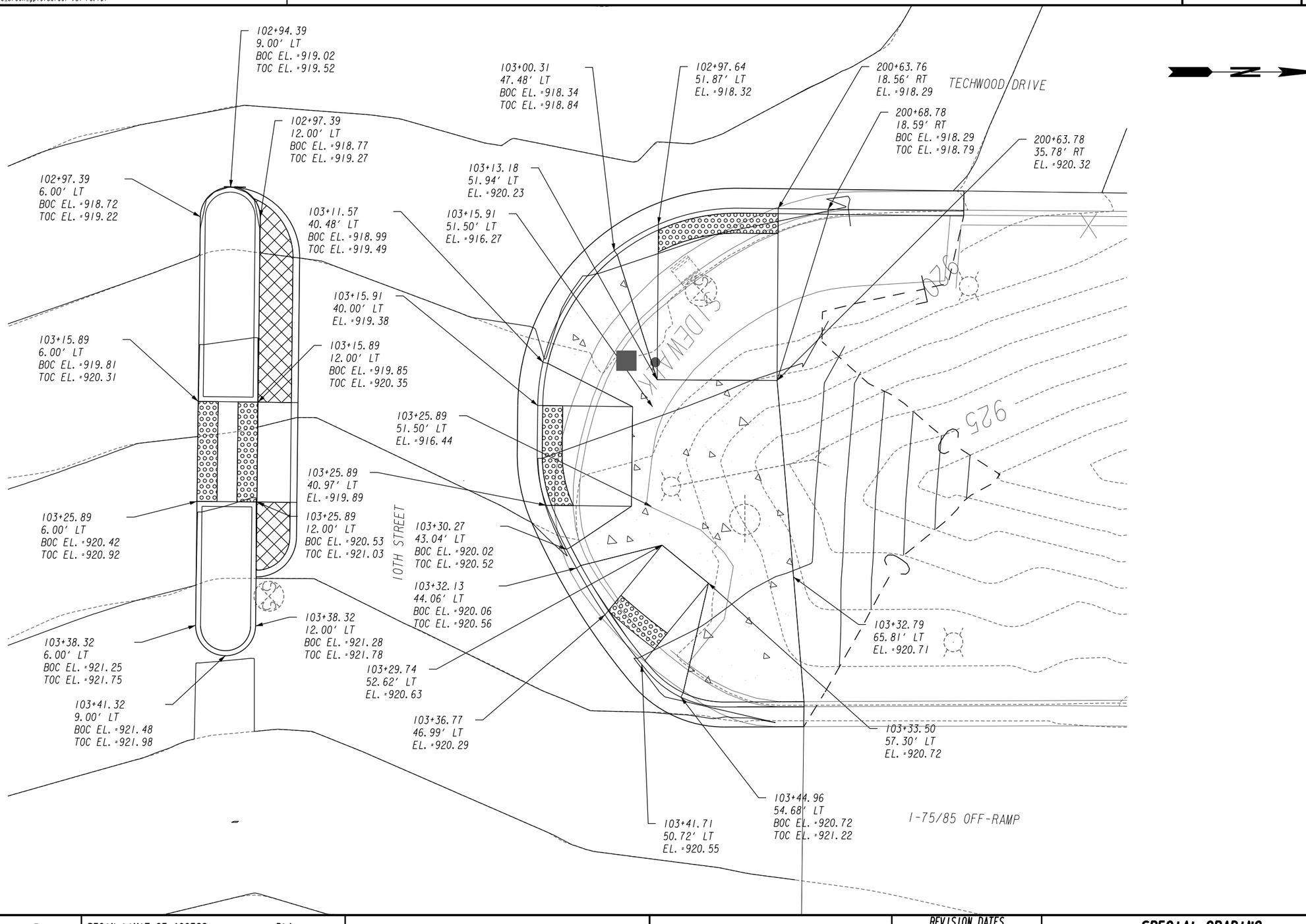
SCALE IN FEET
0 5 10 20

REVISION DATES

SPECIAL GRADING
10TH STREET BRIDGE MULTI-MODAL CONNECTION PROJECT

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		18-0001b
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)

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Atlanta, GA 30308

SCALE IN FEET
0 5 10 20

REVISION DATES

SPECIAL GRADING
10TH STREET BRIDGE MULTI-MODAL CONNECTION PROJECT

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		18-0001c
VERIFIED:		DATE:		

10/23/2015 GPLN

307+39.83
16.50' LT
EL. =937.49

307+39.83
26.17' LT
EL. =937.65

307+31.83
17.94' LT
BOC EL. =937.56
TOC EL. =937.94

307+31.83
26.17' LT
EL. =937.97

MATCH LINE STA. 308+00 DRAWING No. 18-0005

308+00

307+47.83
26.21' LT
EL. =937.53

WILLIAMS STREET

CONST ℄

107+00

106+00

307+47.83
16.50' LT
BOC EL. =937.37
TOC EL. =937.70

TWELVE STORY BRICK & CONC.

WATER VAULT

SEE SHEET 18-0002d FOR DETAIL

108+00

EXIST. R/W

BUS STOP

BIKE RACK

PAVERS

ASPHALT DRIVE

CONC.

BRIDGE

DRAWING No. 18-0001a

307+00

10TH STREET

CONST ℄ 10TH STREET

END PROJECT
STA. 108+50.00
N 1375634.9270
E 2228712.3009

END CONSTRUCTION
STA. 108+14.82

SEE SHEET 18-0002c FOR DETAIL

MATCH LINE STA. 305+50

36" SLV

PAVERS

UTILITY VAULT

BLOCK WALL

EXIST. R/W

COVERED PATIO

FDC

106+56.10
44.24' RT
BOC EL. =937.45
TOC EL. =937.78

306+00

DO NOT ENTER

WHOLE IN WALL INV. 939.20'

106+61.60
44.93' RT
EL. =937.71

TEN STORY BLOCK & CONC.

106+56.23
52.46' RT
EL. =937.85

CONC. WALL

306+26.83
16.50' LT
EL. =937.61

SEE SHEET 18-0002b FOR DETAIL

305+00

MATCH LINE STA. 305+00 DRAWING No. 18-0004

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)

alta Kimley»Horn
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Atlanta, GA 30308

SCALE IN FEET
0 20 40 80

REVISION DATES

SPECIAL GRADING
10TH STREET BRIDGE MULTI-MODAL CONNECTION PROJECT

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		18-0002a
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN

N

305+64.98
16.50' RT
BOC EL. =936.18
TOC EL. =936.68

305+64.98
18.25' RT
BOC EL. =936.17
TOC EL. =936.67

306+22.63
16.50' RT
BOC EL. =938.28
TOC EL. =938.78

WILLIAMS STREET

306+27.67
16.50' RT
EL. =938.45

306+31.54
16.80' RT
EL. =938.57

306+41.74
20.81' RT
EL. =938.96

306+41.53
22.49' RT
BOC EL. =939.00
TOC EL. =939.50

306+27.45
18.25' RT
EL. =938.55

306+25.85
30.81' RT
BOC EL. =939.05
TOC EL. =939.55

306+43.14
21.83' RT
BOC EL. =939.02
TOC EL. =939.52

306+41.06
26.16' RT
BOC EL. =939.08
TOC EL. =939.58

306+29.78
32.88' RT
BOC EL. =938.89
TOC EL. =939.39

107+08.75
34.71' RT
BOC EL. =939.30
TOC EL. =939.80

306+06.12
18.25' RT
BOC EL. =937.69
TOC EL. =938.19

306+22.41
18.25' RT
BOC EL. =938.38
TOC EL. =938.88

306+21.12
28.44' RT
EL. =938.79

7" HMA

9" HMA

306+06.12
28.25' RT
BOC EL. =937.68
TOC EL. =938.18

306+15.08
28.25' RT
BOC EL. =938.34
TOC EL. =938.84

306+15.08
31.26' RT
EL. =940.88

306+10.08
36.17' RT
EL. =938.46

306+20.59
32.56' RT
EL. =939.03

306+15.08
36.29' RT
BOC EL. =938.68
TOC EL. =938.95

306+25.53
33.39' RT
BOC EL. =939.20
TOC EL. =939.70

306+19.94
37.71' RT
BOC EL. =938.91
TOC EL. =939.10

306+28.09
37.42' RT
BOC EL. =939.24
TOC EL. =939.74

306+24.56
40.96' RT
BOC EL. =939.31
TOC EL. =939.66

107+31.18
50.27' RT
BOC EL. =940.23
TOC EL. =940.31

107+31.17
44.56' RT
BOC EL. =940.14
TOC EL. =941.64

305+64.98
28.25' RT
BOC EL. =936.12
TOC EL. =936.62

305+64.98
37.00' RT
EL. =936.78

CONC. WALL

CHAIN LINK FENCE

HOLE IN WALL
INV. 939.20

940

CONC.

107+18.75
35.03' RT
EL. =939.62

107+36.18
50.25' RT
BOC EL. =940.46
TOC EL. =940.57

107+41.16
50.24' RT
EL. =940.83

107+36.17
44.54' RT
BOC EL. =940.37
TOC EL. =940.87

107+41.16
44.52' RT
BOC EL. =940.77
TOC EL. =941.27

PAVERS

10TH STREET

107+07.25
30.27' RT
BOC EL. =939.37
TOC EL. =939.87

107+08.75
31.14' RT
BOC EL. =939.39
TOC EL. =939.89

107+08.75
29.49' RT
EL. =939.43

107+18.75
33.10' RT
BOC EL. =939.69
TOC EL. =940.19

107+18.75
29.00' RT
BOC EL. =939.80
TOC EL. =939.30

107+18.75
27.00' RT
EL. =939.86

107+20.75
27.00' RT
BOC EL. =939.94
TOC EL. =940.44

107+20.78
35.10' RT
BOC EL. =939.69
TOC EL. =940.19

107+29.66
27.00' RT
BOC EL. =940.38
TOC EL. =940.88

107+29.66
35.07' RT
BOC EL. =940.02
TOC EL. =

107+37.66
27.00' RT
BOC EL. =940.79
TOC EL. =941.29

107+41.16
27.00' RT
BOC EL. =940.94
TOC EL. =941.44

107+31.16
40.06' RT
BOC EL. =939.84
TOC EL. =940.34

107+37.66
35.04' RT
BOC EL. =940.40
TOC EL. =940.90

107+41.16
35.02' RT
BOC EL. =940.58
TOC EL. =941.08

107+36.16
40.04' RT
BOC EL. =940.07
TOC EL. =940.57

107+41.16
40.02' RT
BOC EL. =940.33
TOC EL. =940.83

107+73.24
39.92' RT
BOC EL. =941.96
TOC EL. =942.46

TEN STORY
BLOCK & CONC.

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)

alta Kimley»Horn
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Atlanta, GA 30308

SCALE IN FEET
0 5 10 20

REVISION DATES

SPECIAL GRADING
10TH STREET BRIDGE MULTI-MODAL CONNECTION PROJECT

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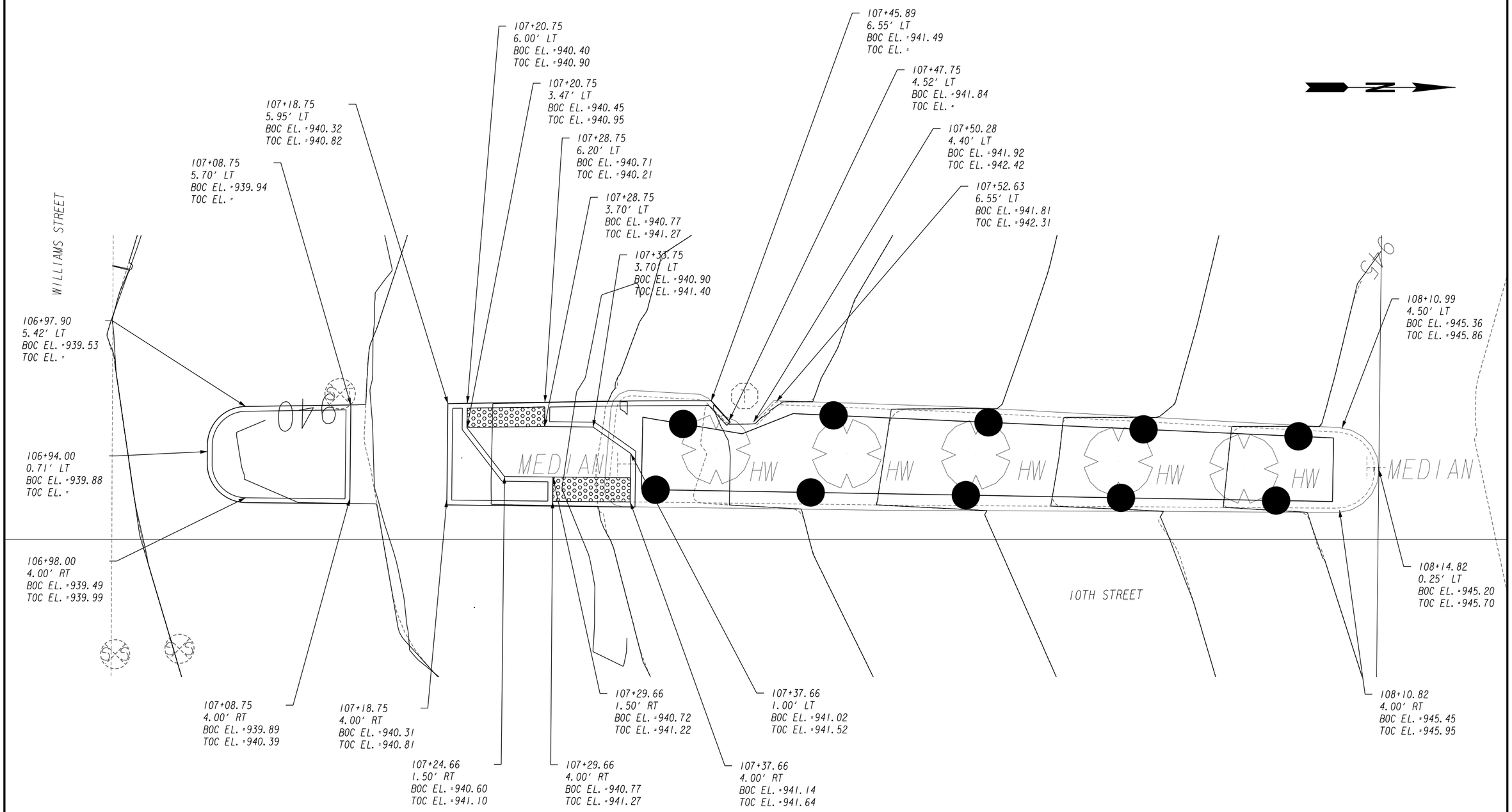
VERIFIED:		DATE:	

10/23/2015 GPLN



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

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10TH STREET BRIDGE MULTI-MODAL CONNECTION PROJECT

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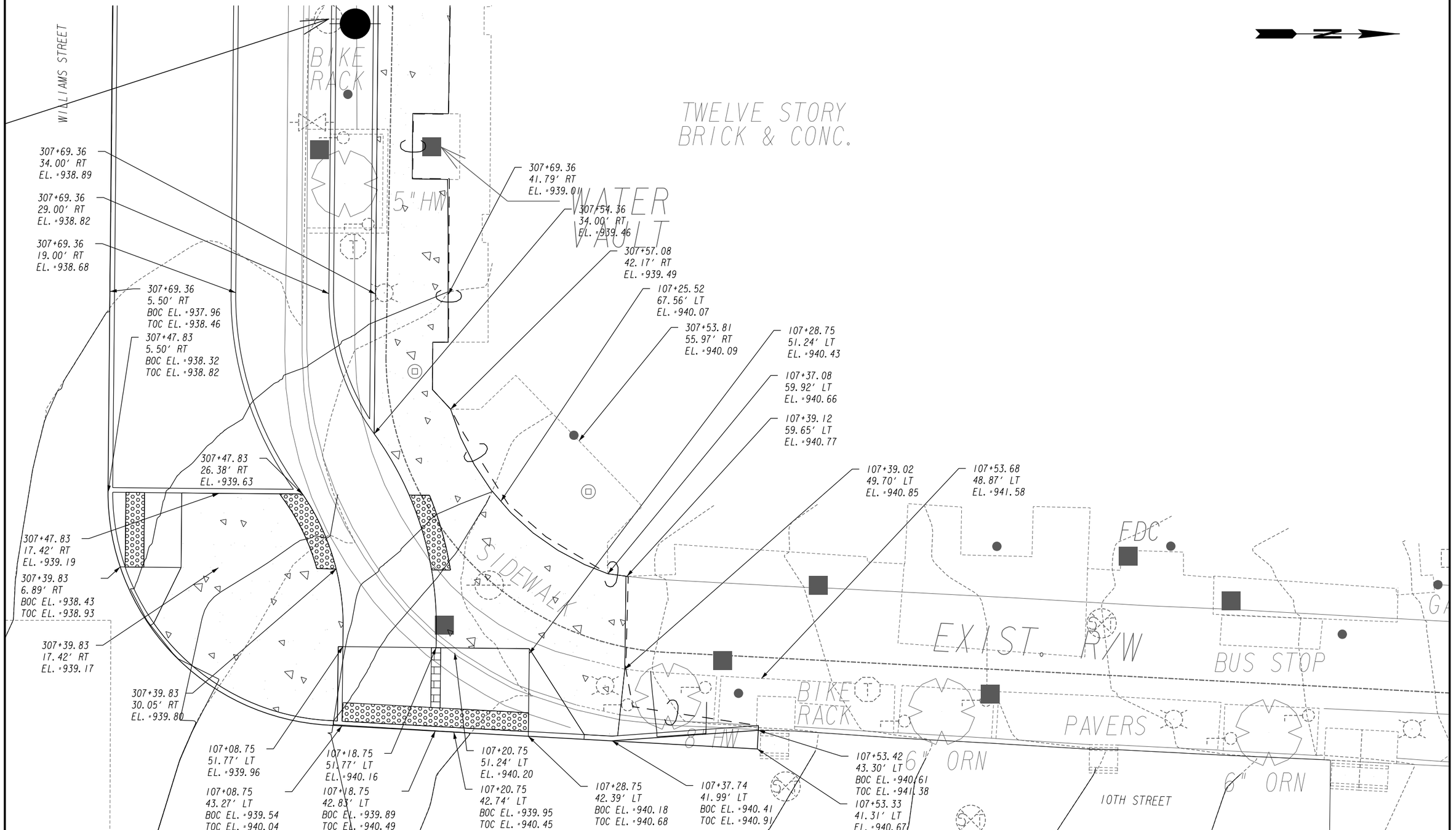
CORRECTED:		DATE:		18-0002c
VERIFIED:		DATE:		

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

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

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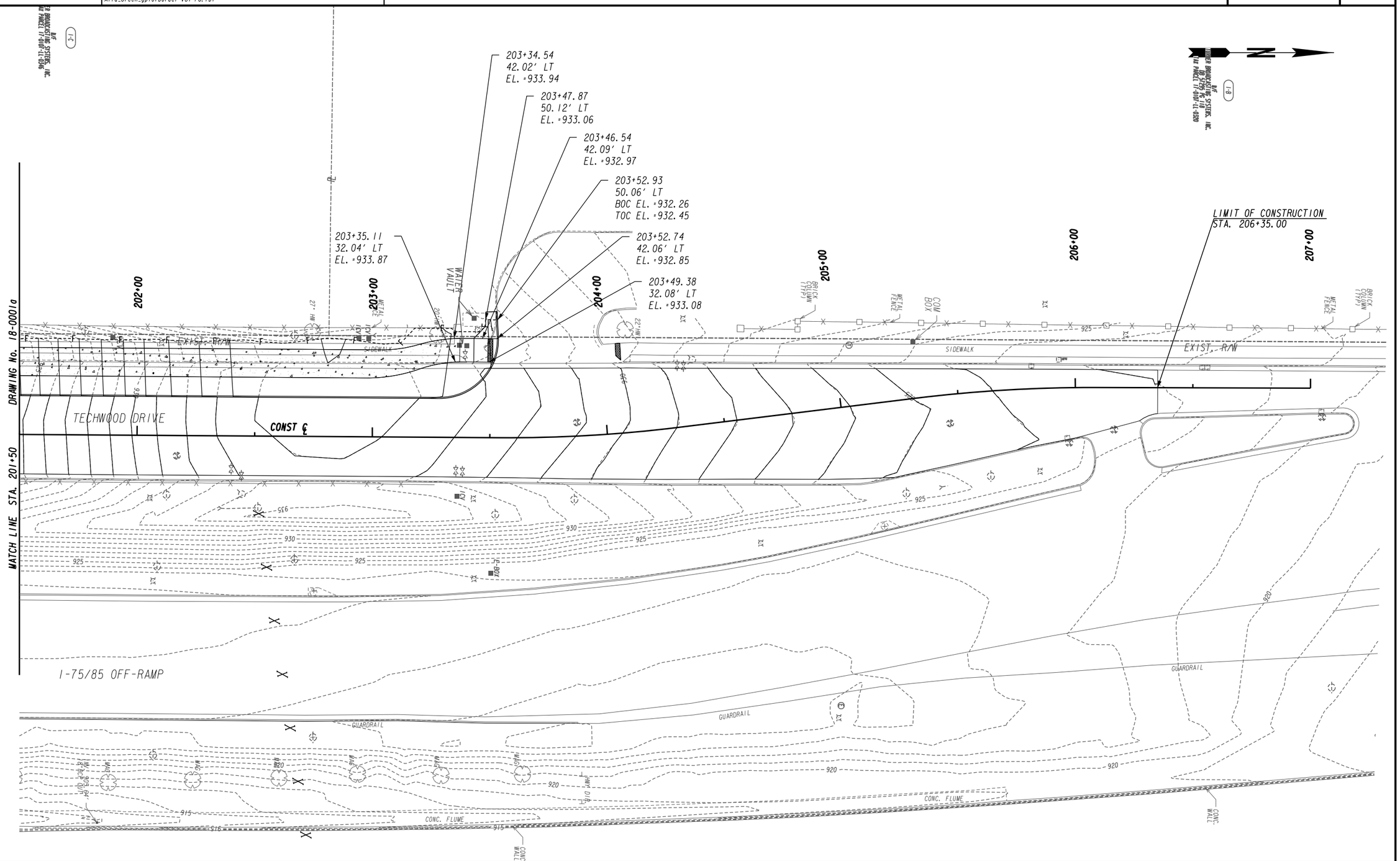
SCALE IN FEET
0 5 10 20

REVISION DATES

SPECIAL GRADING
10TH STREET BRIDGE MULTI-MODAL CONNECTION PROJECT

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		18-0002d
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN



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)	▼———▼———

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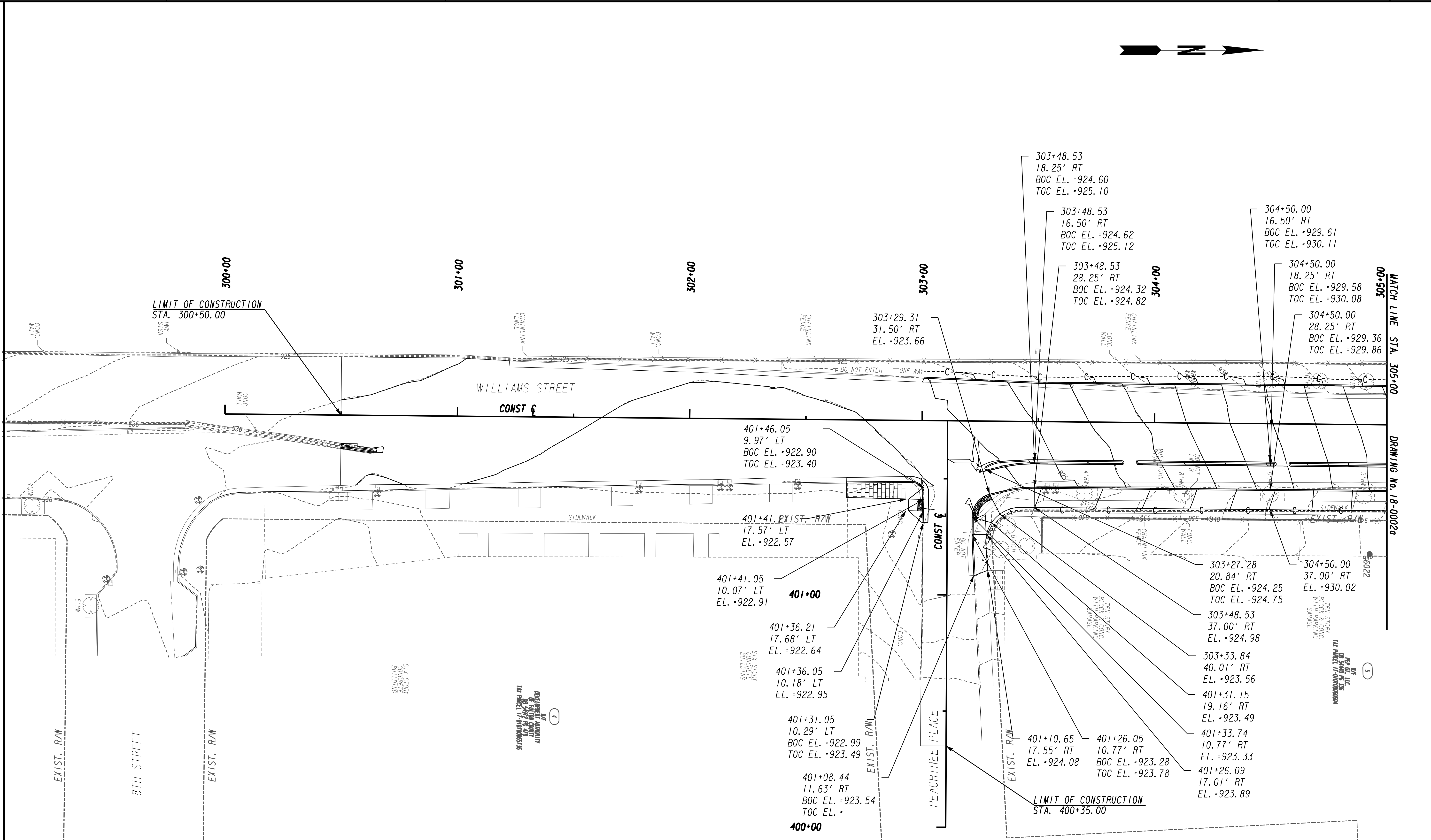
SCALE IN FEET
0 20 40 80

REVISION DATES

SPECIAL GRADING
10TH STREET BRIDGE MULTI-MODAL CONNECTION PROJECT

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		18-0003
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN



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

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

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SCALE IN FEET
0 20 40 80

REVISION DATES

SPECIAL GRADING

10TH STREET BRIDGE MULTI-MODAL CONNECTION PROJECT

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

DRAWING No.
18-0004

308+72.94
14.50' RT
BOC EL. =936.95
TOC EL. =937.28

308+37.53
14.50' RT
BOC EL. =937.33
TOC EL. =937.66

308+83.94
14.50' RT
BOC EL. =937.05
TOC EL. =937.39

308+37.36
19.00' RT
EL. =937.68

308+94.94
14.50' RT
BOC EL. =936.96
TOC EL. =937.30

308+26.19
5.50' RT
BOC EL. =937.21
TOC EL. =937.71

309+36.25
16.28' RT
BOC EL. =936.56
TOC EL. =936.89

309+40.25
16.47' RT
EL. =936.55

309+54.48
18.15' RT
EL. =936.38

308+27.95
19.00' RT
EL. =937.66

309+68.67
19.82' RT
EL. =936.45

313+36.04
21.00' RT
EL. =933.16

313+32.04
21.00' RT
BOC EL. =933.21
TOC EL. =933.55

313+33.98
28.00' RT
EL. =933.41

313+23.98
28.00' RT
BOC EL. =933.09
TOC EL. =933.59

313+23.90
38.00' RT
BOC EL. =933.19
TOC EL. =933.69

CONSTRUCTION TO BE COMPLETED BY OTHERS

308+00

309+00

310+00

310+39.42 P.C.

310+97.07 P.T.

311+00

312+00

313+00

313+50

DRAWING No. 18-0002a

DRAWING No. 18-0006

MATCH LINE STA. 308+00

MATCH LINE STA. 313+50

CONST ℄

WILLIAMS STREET

EXIST. R/W

SIDEWALK

CONC.

ASPHALT

CHAINLINK FENCE

CONC. WALL

STONE & CONC. WALL

ELEVEN STORY BRICK & CONC.

935

940

925

308+37.45
29.00' RT
EL. =937.71

308+37.45
34.00' RT
EL. =937.72

308+37.45
41.67' RT
EL. =937.75

308+27.95
29.00' RT
EL. =937.74

308+27.95
34.00' RT
EL. =937.78

308+27.95
41.69' RT
EL. =937.84

308+94.94
31.00' RT
EL. =937.43

308+94.94
41.75' RT
EL. =937.51

308+83.94
31.00' RT
EL. =937.51

308+83.94
41.72' RT
EL. =937.59

308+72.94
41.66' RT
EL. =937.66

308+72.94
31.00' RT
EL. =937.50

309+65.92
46.77' RT
EL. =936.76

309+54.48
46.75' RT
EL. =936.74

309+43.19
46.72' RT
BOC EL. =936.79
TOC EL. =937.13

309+40.20
47.62' RT
EL. =937.23

309+32.23
41.61' RT
EL. =937.21

309+32.20
47.61' RT
EL. =937.28

313+38.85
44.23' RT
EL. =933.49

313+33.90
38.00' RT
EL. =933.51

313+33.85
45.00' RT
EL. =933.66

313+23.85
44.17' RT
EL. =933.76

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
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ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

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SCALE IN FEET
0 20 40 80

REVISION DATES

SPECIAL GRADING
10TH STREET BRIDGE MULTI-MODAL CONNECTION PROJECT

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		18-0005
VERIFIED:		DATE:		

10/23/2015 GPLN

313+89.99
27.00' RT
EL. =932.71

313+92.04
21.00' RT
BOC EL. =932.18
TOC EL. =932.68

313+61.93
21.00' RT
EL. =932.72

313+84.99
27.00' RT
EL. =932.81

313+89.91
37.00' RT
EL. =932.82

313+88.04
21.00' RT
EL. =932.25

313+99.99
27.00' RT
BOC EL. =931.95
TOC EL. =932.45

313+99.91
37.00' RT
BOC EL. =932.35
TOC EL. =932.85

314+71.56
21.00' RT
BOC EL. =930.49
TOC EL. =931.32

314+71.56
27.00' RT
BOC EL. =931.39
TOC EL. =931.72

314+86.46
21.00' RT
BOC EL. =930.13
TOC EL. =930.96

314+86.46
27.00' RT
BOC EL. =931.06
TOC EL. =931.40

315+97.83
27.00' RT
BOC EL. =927.79
TOC EL. =928.12

315+97.83
37.00' RT
BOC EL. =928.19
TOC EL. =928.69

316+07.83
27.00' RT
EL. =928.08

316+35.83
36.00' RT
EL. =927.08

316+35.83
44.00' RT
EL. =927.24

313+99.86
44.00' RT
EL. =932.97

314+71.56
44.21' RT
EL. =932.43

314+86.46
37.00' RT
BOC EL. =931.46
TOC EL. =931.96

315+88.41
44.49' RT
EL. =929.20

316+07.83
37.00' RT
EL. =928.29

316+07.83
44.00' RT
EL. =928.42

315+93.20
37.00' RT
BOC EL. =928.37
TOC EL. =928.87

315+93.20
44.47' RT
EL. =929.00

315+88.41
37.00' RT
BOC EL. =928.56
TOC EL. =929.06

313+89.86
44.00' RT
EL. =932.94

314+71.56
37.00' RT
BOC EL. =931.79
TOC EL. =932.29

313+61.93
27.50' RT
EL. =933.07

313+61.93
37.50' RT
EL. =933.04

313+84.90
37.00' RT
EL. =932.86

313+61.93
44.55' RT
EL. =933.16

313+84.85
44.00' RT
EL. =932.90

MATCH LINE STA. 313+50

DRAWING No. 18-0005

CONST ℄ WILLIAMS STREET

CONST ℄ 12TH STREET

313+00 314+00 315+00 316+00 317+00 318+00 500+00 501+00

EXIST. R/W

SEE SHEET 18-0006b FOR DETAIL

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)

alta Kimley»Horn
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Engineering, Planning, and Environmental Consultants
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Atlanta, GA 30308

SCALE IN FEET
0 20 40 80

REVISION DATES

SPECIAL GRADING
10TH STREET BRIDGE MULTI-MODAL CONNECTION PROJECT

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		18-0006a
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN

316+73.01
21.00' RT
BOC EL. =924.37
TOC EL. =924.87

WILLIAMS STREET

316+92.82
21.00' RT
EL. =923.58

317+09.96
27.00' RT
BOC EL. =923.55
TOC EL. =923.88

317+13.01
21.00' RT
BOC EL. =922.78
TOC EL. =923.28

317+13.80
27.47' RT
EL. =924.69

317+18.79
27.80' RT
EL. =924.67

317+30.92
25.27' RT
BOC EL. =922.30
TOC EL. =922.80

317+34.43
28.83' RT
EL. =922.42

317+18.27
35.78' RT
EL. =924.75

501+37.88
5.90' LT
EL. =922.98

501+32.90
5.50' LT
BOC EL. =923.47
TOC EL. =923.97

316+75.96
27.00' RT
BOC EL. =924.54
TOC EL. =924.87

925

LK

CONC.

BRICK WALL

316+92.90
35.33' RT
BOC EL. =924.77
TOC EL. =925.10

316+60.89
36.00' RT
EL. =926.03

316+92.84
44.00' RT
BOC EL. =925.26
TOC EL. =925.59

316+60.83
44.00' RT
EL. =926.19

316+75.90
35.33' RT
BOC EL. =924.99
TOC EL. =925.32

317+09.90
35.33' RT
BOC EL. =924.54
TOC EL. =924.87

316+68.67
44.22' RT
BOC EL. =925.82
TOC EL. =925.95

317+13.28
35.45' RT
EL. =924.85

316+75.83
44.00' RT
BOC EL. =925.48
TOC EL. =925.81

317+09.83
44.00' RT
BOC EL. =925.03
TOC EL. =925.36

TWO STORY BRICK

317+20.53
44.55' RT
BOC EL. =924.83
TOC EL. =924.83

501+23.69
23.61' LT
BOC EL. =925.02
TOC EL. =925.35

501+14.69
23.73' LT
BOC EL. =926.07
TOC EL. =926.40

CONC.

501+26.69
5.50' LT
BOC EL. =924.15
TOC EL. =924.65

501+23.69
12.50' LT
BOC EL. =924.49
TOC EL. =924.82

501+14.69
12.50' LT
BOC EL. =925.54
TOC EL. =925.87

501+14.69
5.50' LT
EL. =925.35

501+05.69
12.50' LT
BOC EL. =926.44
TOC EL. =926.77

501+02.69
5.50' LT
BOC EL. =926.42
TOC EL. =926.92

500+92.98
16.00' LT
EL. =928.17

501+05.68
23.85' LT
BOC EL. =926.97
TOC EL. =927.30

500+92.98
24.66' LT
EL. =928.33

500+86.98
16.00' LT
BOC EL. =928.15
TOC EL. =928.65

500+92.98
5.50' LT
BOC EL. =927.47
TOC EL. =927.97

500+86.98
5.50' LT
EL. =928.15

500+86.98
24.72' LT
EL. =928.65

500+80.68
16.00' LT
BOC EL. =928.45
TOC EL. =928.95

500+80.73
24.77' LT
EL. =928.99

500+75.68
18.92' LT
EL. =929.31

500+75.68
15.73' LT
BOC EL. =928.87
TOC EL. =929.09

500+75.72
24.80' LT
EL. =929.26

CATV

EXIST. R/W

12TH STREET

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)

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Atlanta, GA 30308

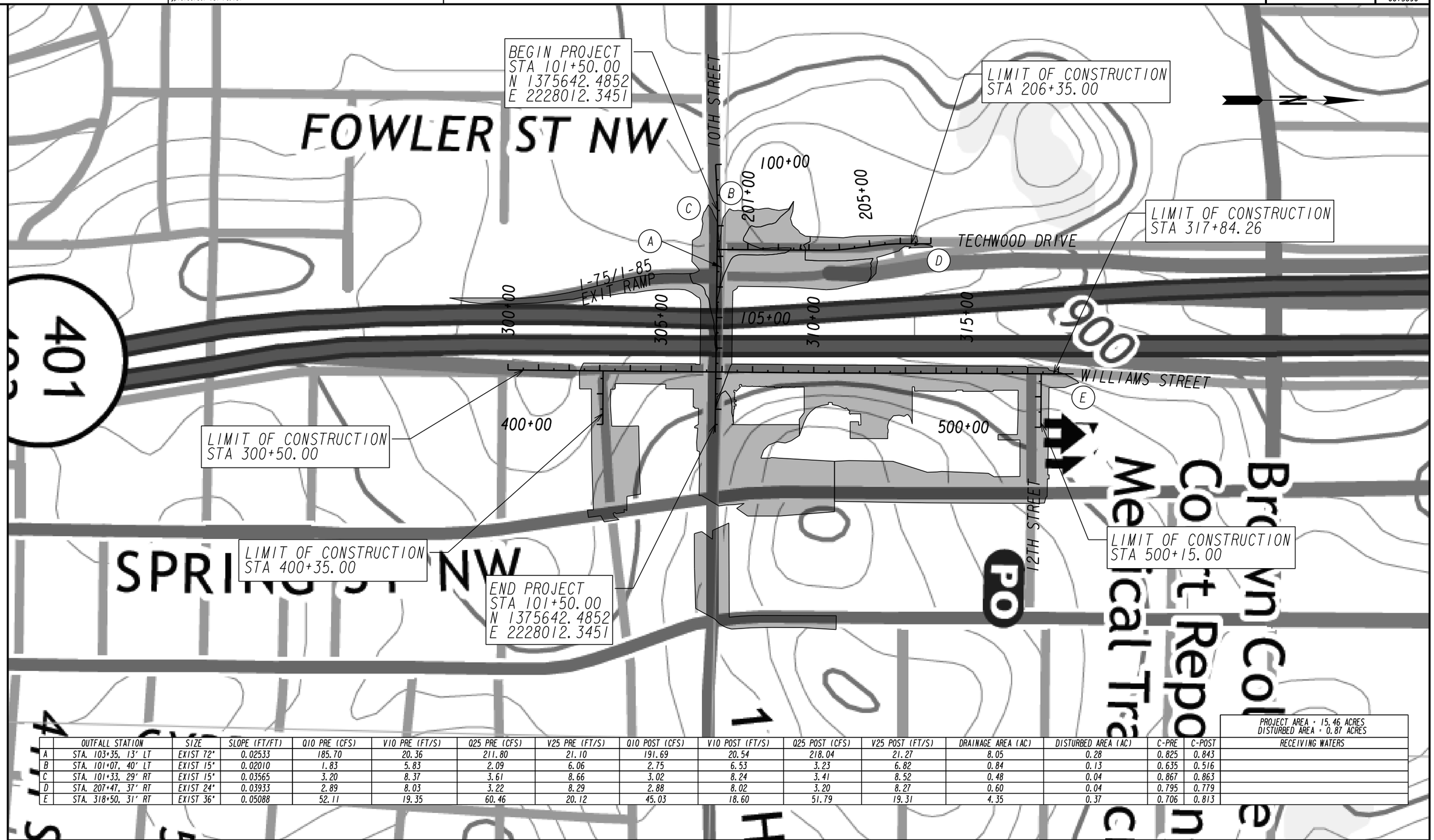
SCALE IN FEET
0 5 10 20

REVISION DATES

SPECIAL GRADING
10TH STREET BRIDGE MULTI-MODAL CONNECTION PROJECT

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		18-0006b
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN



PROJECT AREA = 15.46 ACRES
DISTURBED AREA = 0.87 ACRES

	OUTFALL STATION	SIZE	SLOPE (FT/FT)	Q10 PRE (CFS)	V10 PRE (FT/S)	Q25 PRE (CFS)	V25 PRE (FT/S)	Q10 POST (CFS)	V10 POST (FT/S)	Q25 POST (CFS)	V25 POST (FT/S)	DRAINAGE AREA (AC)	DISTURBED AREA (AC)	C-PRE	C-POST	RECEIVING WATERS
A	STA. 103+35, 13' LT	EXIST 72"	0.02533	185.70	20.36	211.80	21.10	191.69	20.54	218.04	21.27	8.05	0.28	0.825	0.843	
B	STA. 101+07, 40' LT	EXIST 15"	0.02010	1.83	5.83	2.09	6.06	2.75	6.53	3.23	6.82	0.84	0.13	0.635	0.516	
C	STA. 101+33, 29' RT	EXIST 15"	0.03565	3.20	8.37	3.61	8.66	3.02	8.24	3.41	8.52	0.48	0.04	0.867	0.863	
D	STA. 207+47, 37' RT	EXIST 24"	0.03933	2.89	8.03	3.22	8.29	2.88	8.02	3.20	8.27	0.60	0.04	0.795	0.779	
E	STA. 318+50, 31' RT	EXIST 36"	0.05088	52.11	19.35	60.46	20.12	45.03	18.60	51.79	19.31	4.35	0.37	0.706	0.813	

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SCALE IN FEET
0 150 300 600

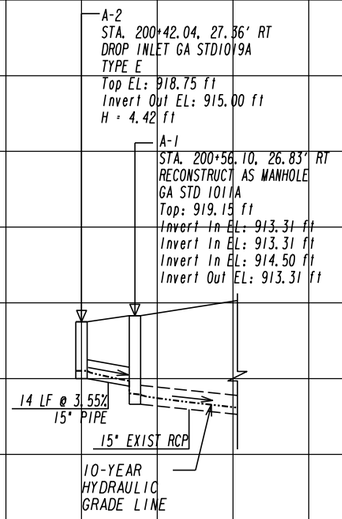
REVISION DATES

DRAINAGE AREA MAP
10TH STREET BRIDGE MULTI-MODAL CONNECTION PROJECT

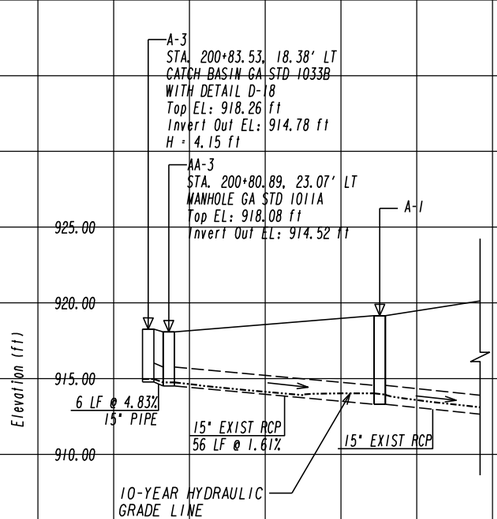
CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	21-0001
CORRECTED:		DATE:	
VERIFIED:		DATE:	

10/23/2015 GPLN

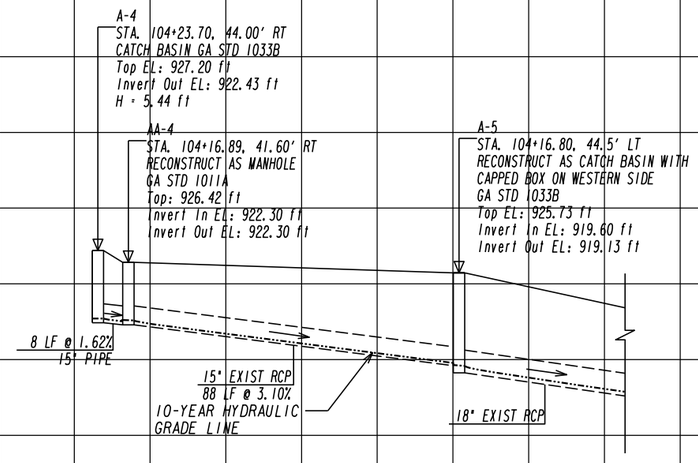
A-2 TO A-1



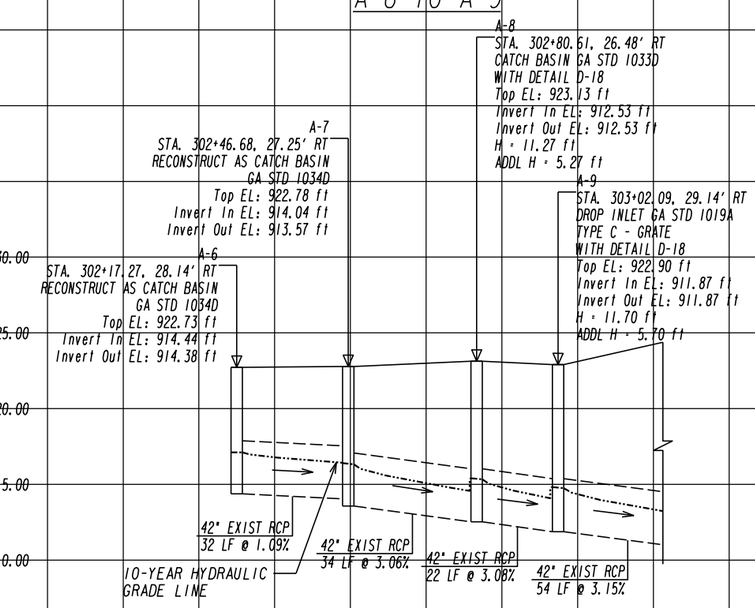
A-3 TO A-1



A-4 TO A-5



A-6 TO A-9



NOTES:
1. STRUCTURE OFFSETS ARE DEFINED AS FOLLOWS:
   CATCH BASIN: CONST ℄ TO FACE OF CURB
   DROP INLET: CONST ℄ TO CENTER OF STRUCTURE
   MANHOLE: CONST ℄ TO CENTER OF STRUCTURE
2. DRAINAGE STRUCTURES ASSUME AN 8" BASE.
3. PRIOR TO INSTALLATION OF STORM DRAIN PIPES AND STORM DRAIN STRUCTURES (SUCH AS CATCH BASINS, DROP INLETS, MANHOLES, OUTLET CONTROL STRUCTURES, ETC.), CONTRACTOR SHALL LAYOUT THE PROPOSED STORM DRAINAGE SYSTEMS AND VERIFY THE LOCATION AGAINST THE DESIGN PLANS. ANY DISCREPANCY BETWEEN THE FIELD LOCATION AND THE PLANS SHALL BE REPORTED TO THE DESIGN ENGINEER PRIOR TO INSTALLATION. THE COST FOR PRE-INSTALLATION LAYOUT OF STORM DRAINAGE SYSTEMS SHALL BE INCLUDED IN BID PRICE FOR STORM DRAIN PIPE.

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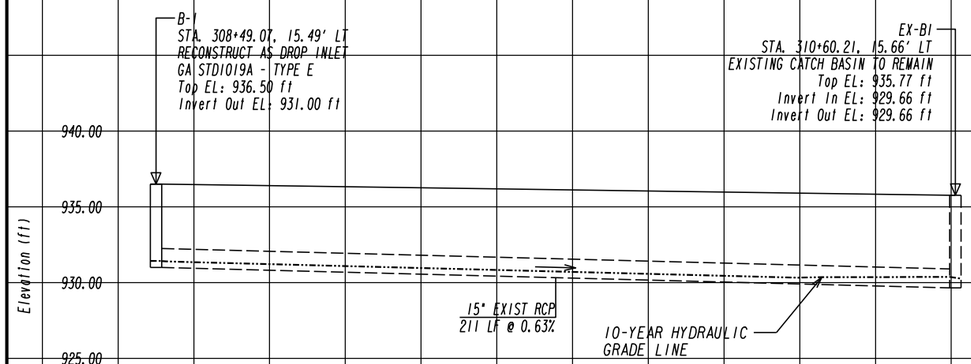
HORIZ. SCALE IN FEET
0 20 40 80
VERT. SCALE IN FEET
0 5 10 20

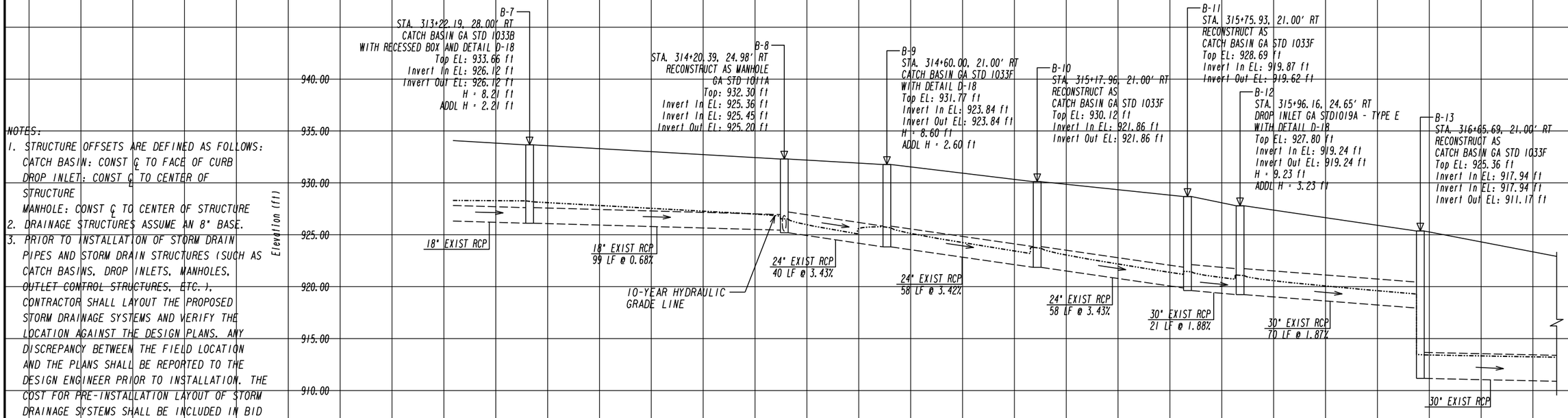
REVISION DATES

DRAINAGE PROFILES
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT

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

B-1 TO EX-B1





NOTES:
1. STRUCTURE OFFSETS ARE DEFINED AS FOLLOWS:
   CATCH BASIN: CONST $\mathcal{L}$ TO FACE OF CURB
   DROP INLET: CONST $\mathcal{L}$ TO CENTER OF STRUCTURE
   MANHOLE: CONST $\mathcal{L}$ TO CENTER OF STRUCTURE
2. DRAINAGE STRUCTURES ASSUME AN 8" BASE.
3. PRIOR TO INSTALLATION OF STORM DRAIN PIPES AND STORM DRAIN STRUCTURES (SUCH AS CATCH BASINS, DROP INLETS, MANHOLES, OUTLET CONTROL STRUCTURES, ETC.), CONTRACTOR SHALL LAYOUT THE PROPOSED STORM DRAINAGE SYSTEMS AND VERIFY THE LOCATION AGAINST THE DESIGN PLANS. ANY DISCREPANCY BETWEEN THE FIELD LOCATION AND THE PLANS SHALL BE REPORTED TO THE DESIGN ENGINEER PRIOR TO INSTALLATION. THE COST FOR PRE-INSTALLATION LAYOUT OF STORM DRAINAGE SYSTEMS SHALL BE INCLUDED IN BID PRICE FOR STORM DRAIN PIPE.

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Atlanta, GA 30308

HORIZ. SCALE IN FEET
0 20 40 80

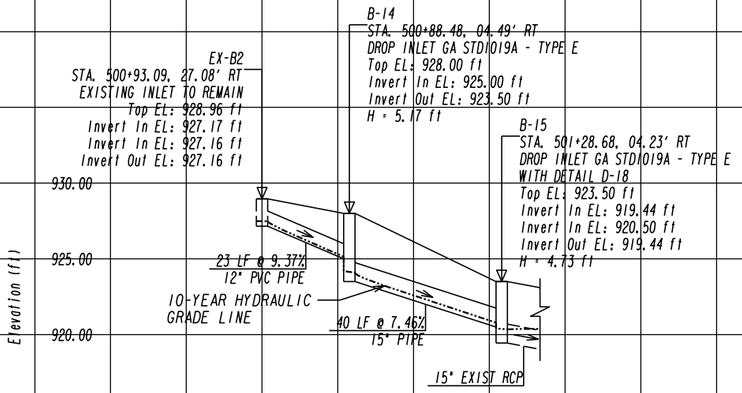
VERT. SCALE IN FEET
0 5 10 20

REVISION DATES

DRAINAGE PROFILES
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT

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

EX-B2 TO B-15



NOTES:

1. STRUCTURE OFFSETS ARE DEFINED AS FOLLOWS:
   CATCH BASIN: CONST $\mathcal{L}$ TO FACE OF CURB
   DROP INLET: CONST $\mathcal{L}$ TO CENTER OF STRUCTURE
   MANHOLE: CONST $\mathcal{L}$ TO CENTER OF STRUCTURE
2. DRAINAGE STRUCTURES ASSUME AN 8" BASE.
3. PRIOR TO INSTALLATION OF STORM DRAIN PIPES AND STORM DRAIN STRUCTURES (SUCH AS CATCH BASINS, DROP INLETS, MANHOLES, OUTLET CONTROL STRUCTURES, ETC.), CONTRACTOR SHALL LAYOUT THE PROPOSED STORM DRAINAGE SYSTEMS AND VERIFY THE LOCATION AGAINST THE DESIGN PLANS. ANY DISCREPANCY BETWEEN THE FIELD LOCATION AND THE PLANS SHALL BE REPORTED TO THE DESIGN ENGINEER PRIOR TO INSTALLATION. THE COST FOR PRE-INSTALLATION LAYOUT OF STORM DRAINAGE SYSTEMS SHALL BE INCLUDED IN BID PRICE FOR STORM DRAIN PIPE.

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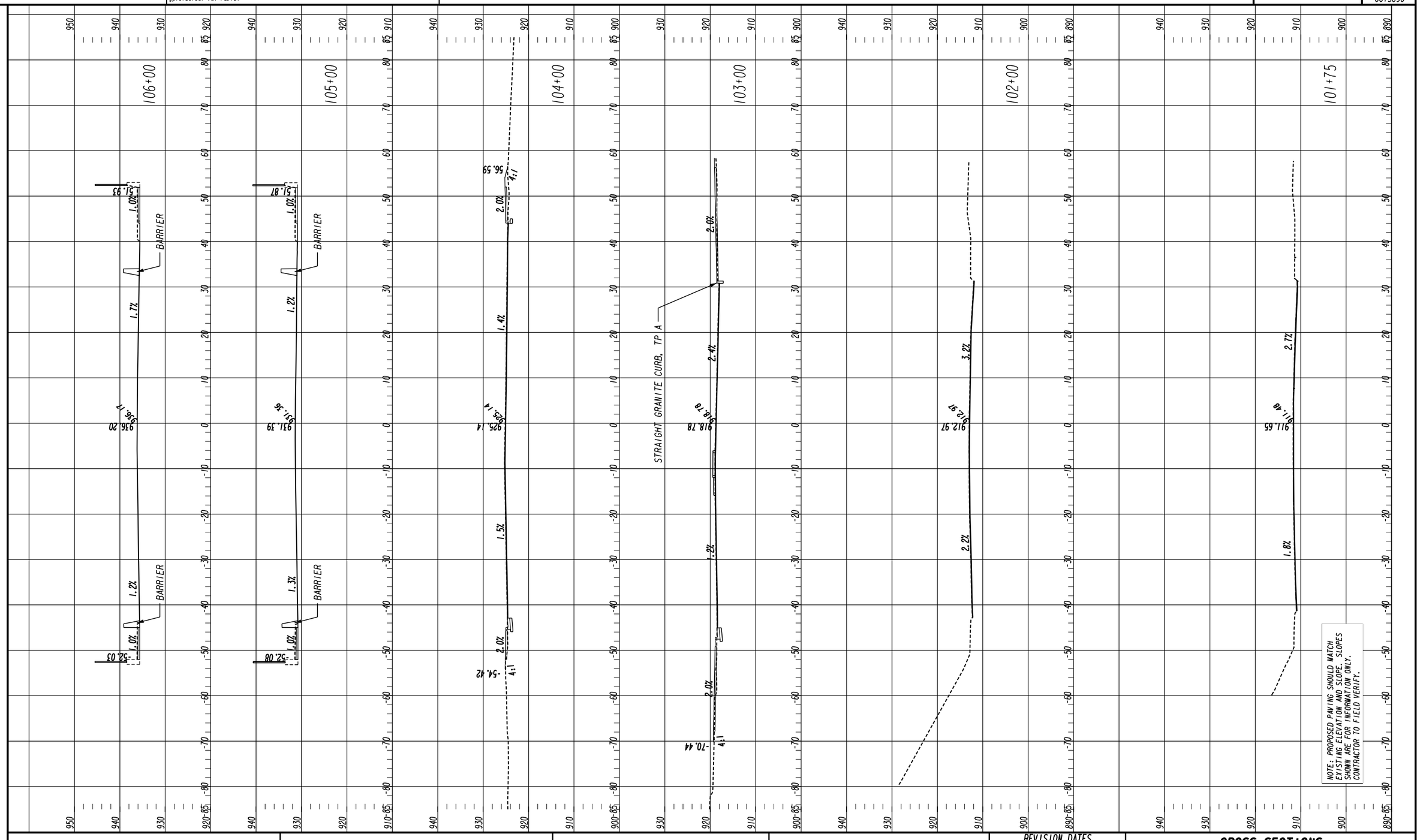
HORIZ. SCALE IN FEET
0 20 40 80

VERT. SCALE IN FEET
0 5 10 20

REVISION DATES

DRAINAGE PROFILES
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		22-0003
CORRECTED:		DATE:		
VERIFIED:		DATE:		



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Atlanta, GA 30308

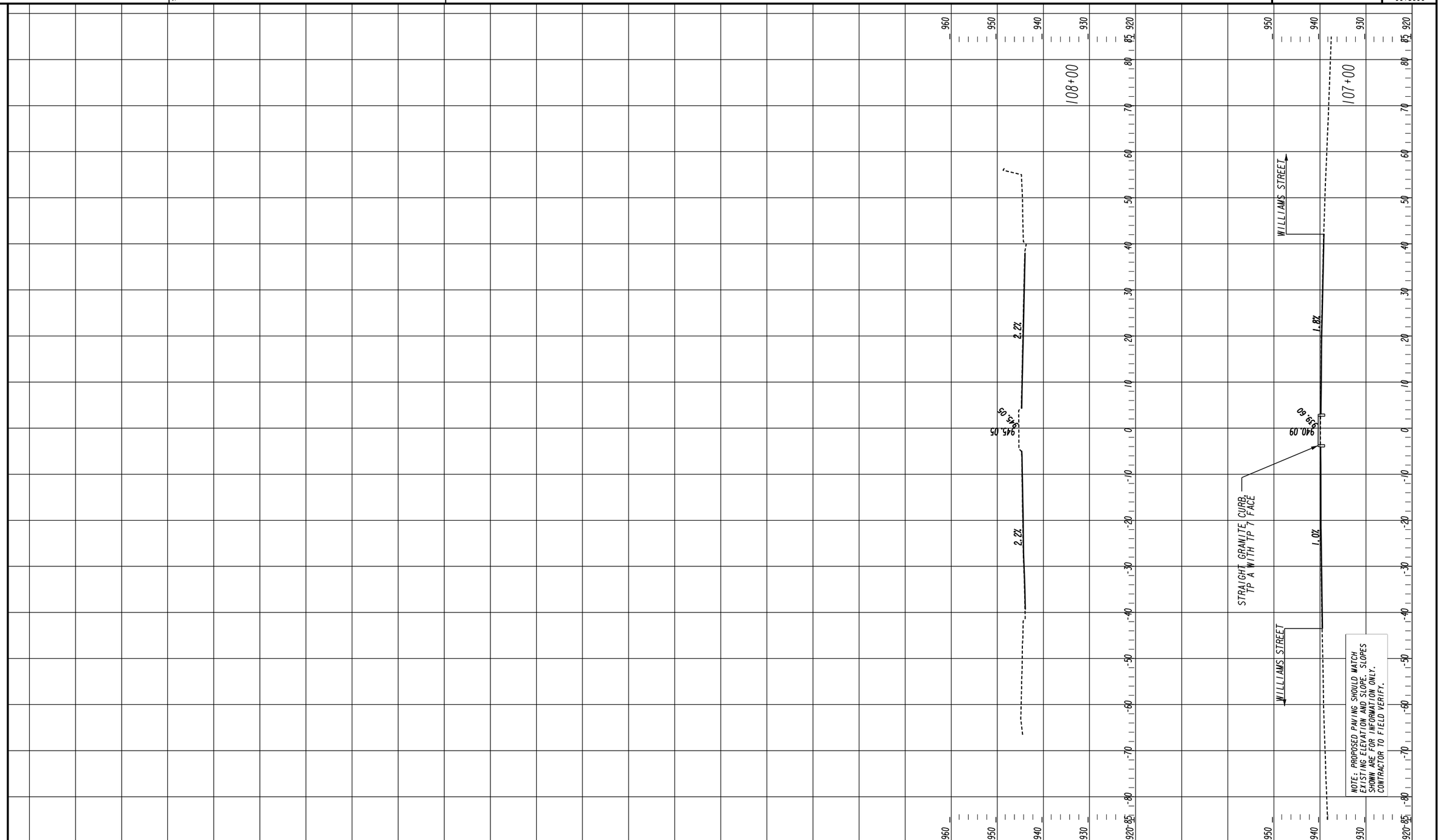
SCALE IN FEET
0 10 20 40

REVISION DATES

CROSS SECTIONS
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT
10TH STREET

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

09/17/2015 SUXEN



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SCALE IN FEET
0 10 20 40

REVISION DATES

CROSS SECTIONS
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT
10TH STREET

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

09/17/2015 SUXEN

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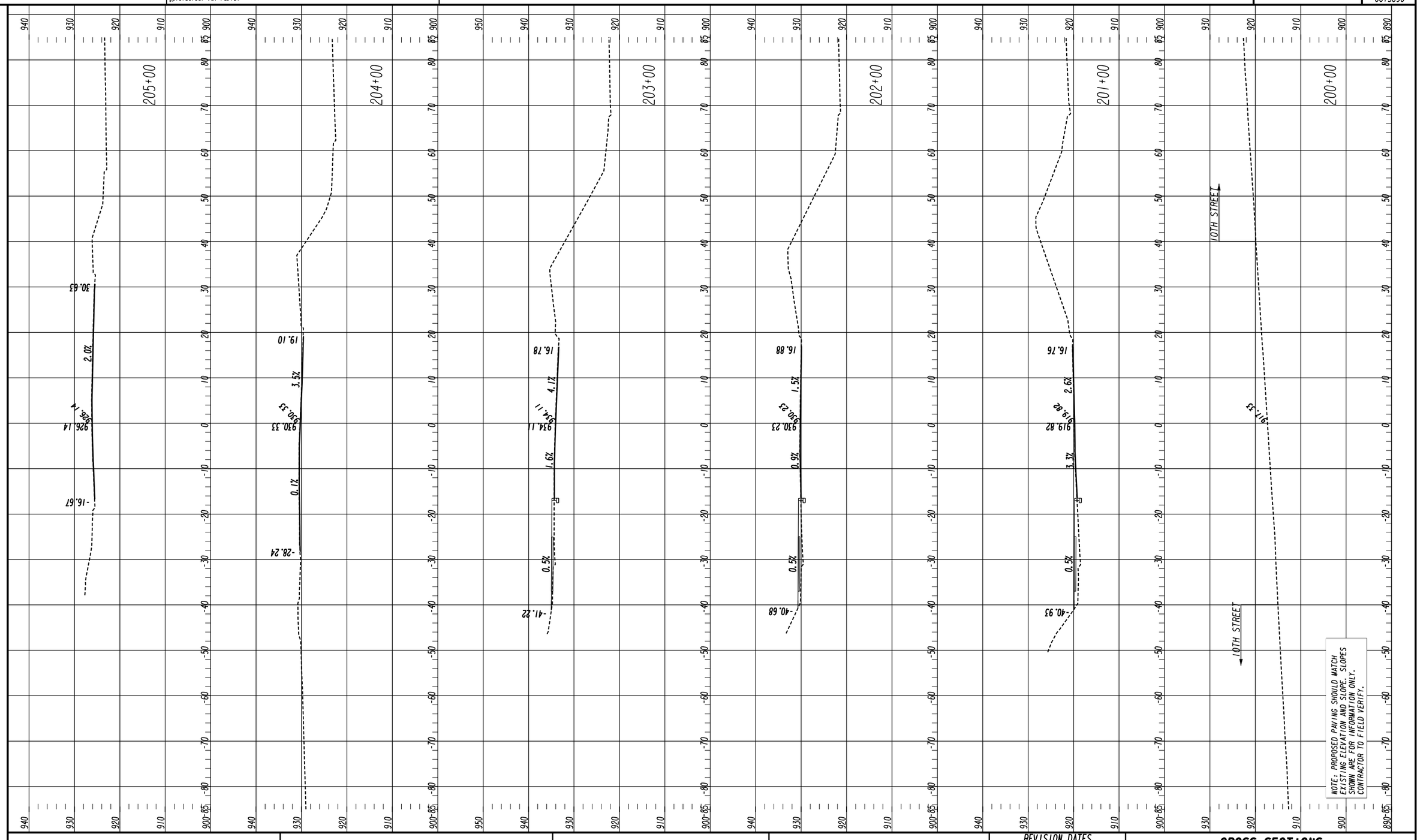
Brendan.Cronin | gplotborder-V81-P0.tbl



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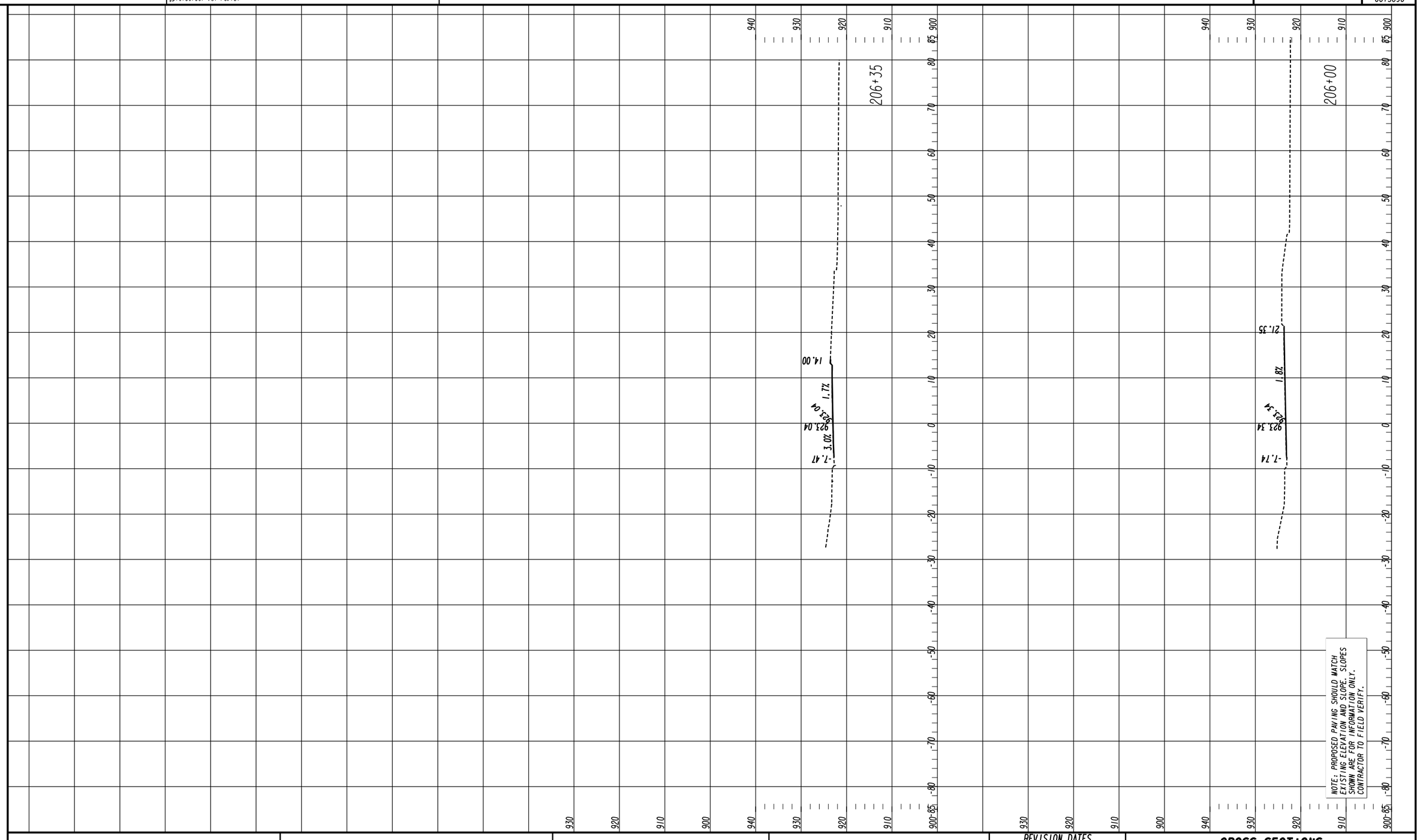
SCALE IN FEET
0 10 20 40

REVISION DATES

CROSS SECTIONS
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT
TECHWOOD DRIVE

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

09/17/2015 SUXEN



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Atlanta, GA 30308

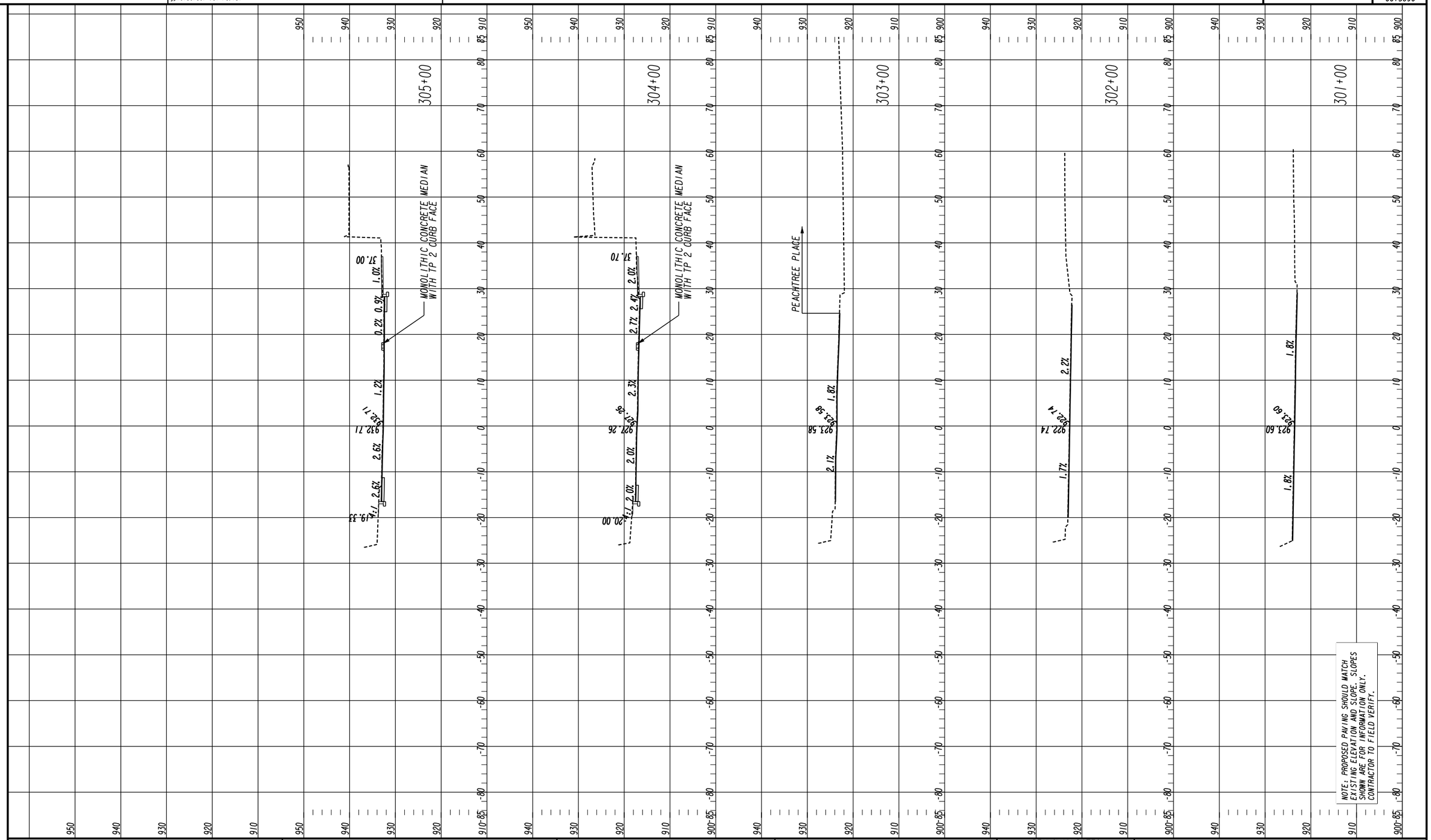
SCALE IN FEET
0 10 20 40

REVISION DATES

CROSS SECTIONS
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT
TECHWOOD DRIVE

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

09/17/2015 SUXEN



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Atlanta, GA 30308

SCALE IN FEET
0 10 20 40

REVISION DATES

CROSS SECTIONS
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT
WILLIAMS STREET

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

DRAWING No.
23-0005

09/17/2015 SUXEN

312+00

DRIVEWAY BY OTHERS
0.8%
934.90
2.5%

311+00

BY OTHERS
2.0%
45.24
2.0%
0.2%
935.44
1.3%

310+00

BY OTHERS
45.76
2.0%
4.0%
0.2%
936.16
2.5%

309+00

41.74
0.8%
0.8%
TP 1 HEADER CURB
936.75
1.2%
2.3%
2.3%
3.0%
921.97
TP 3 HEADER CURB

308+00

41.71
0.4%
0.4%
937.47
3.6%
3.5%
3.6%
922.00
TP 3 HEADER CURB

10TH STREET

307+00

10TH STREET

306+00

36.74
2.0%
0.6%
0.1%
937.47
0.2%
3.1%
3.1%
929.90

NOTE: PROPOSED PAVING SHOULD MATCH EXISTING ELEVATION AND SLOPE. SLOPES SHOWN ARE FOR INFORMATION ONLY. CONTRACTOR TO FIELD VERIFY.

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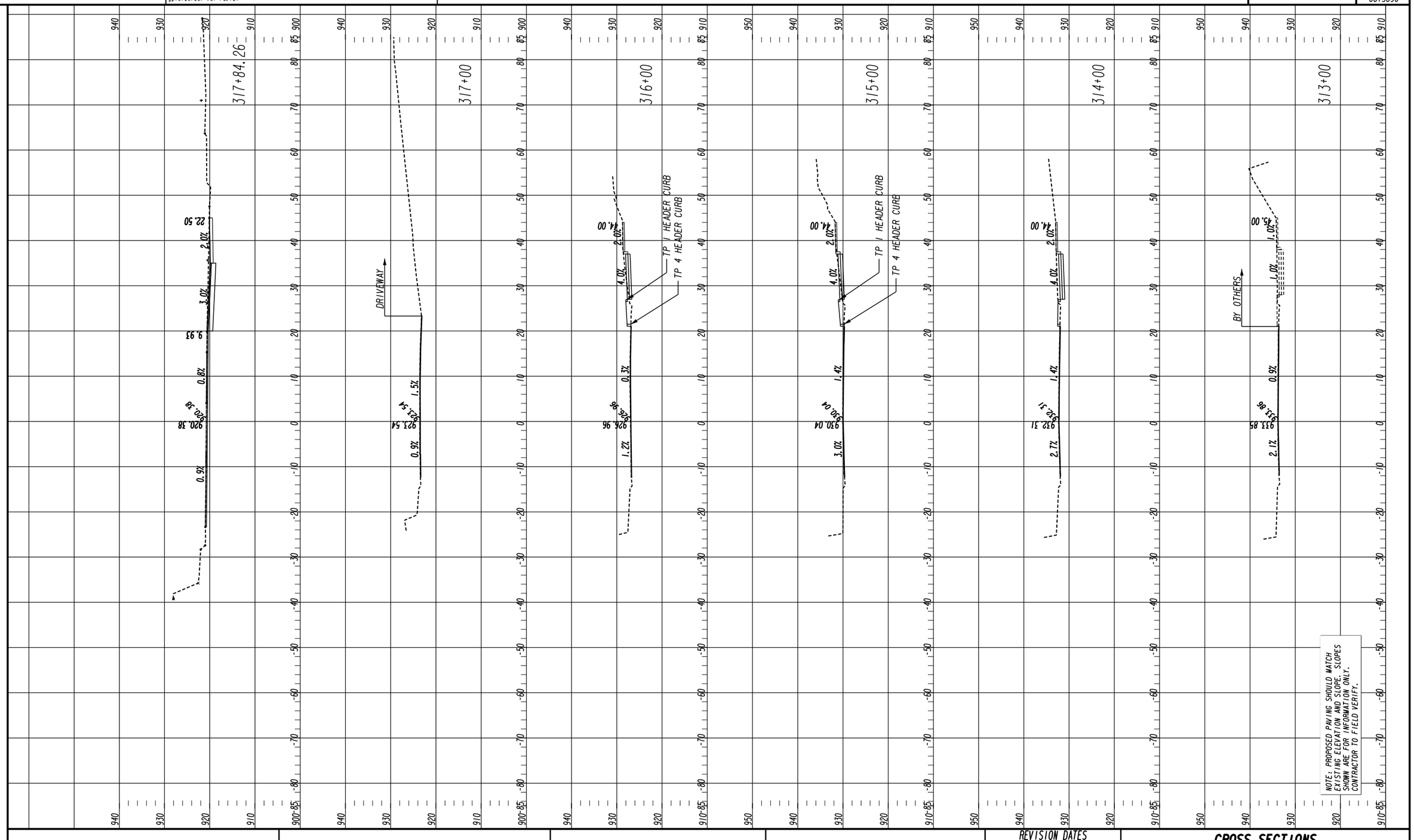
SCALE IN FEET
0 10 20 40

REVISION DATES

CROSS SECTIONS
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT
WILLIAMS STREET

CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	23-0006
VERIFIED:		DATE:	

09/17/2015 SUXEN



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Atlanta, GA 30308

SCALE IN FEET
0 10 20 40

REVISION DATES

CROSS SECTIONS
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT
WILLIAMS STREET

CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	23-0007
CORRECTED:		DATE:	
VERIFIED:		DATE:	

09/17/2015 SUXEN

UTILITY LINECODES

	EXISTING	TO BE REMOVED	PROPOSED	TYPE OF UTILITY
OVERHEAD	E	E	E	ELECTRIC
	E-T	E-T	E-T	ELECTRIC/TELECOMMUNICATIONS
	E-TV	E-TV	E-TV	ELECTRIC/CABLE TV
	E-T-TV	E-T-TV	E-T-TV	ELECTRIC/TELECOMMUNICATIONS/CABLE TV
	GW	GW	GW	GUY WIRE
	T	T	T	TELECOMMUNICATIONS
	T-TV	T-TV	T-TV	TELECOMUNICATIONS/CABLE TV
	TV	TV	TV	CABLE TV
UNDERGROUND	E	E	E	ELECTRIC
	T	T	T	TELECOMMUNICATIONS
	TV	TV	TV	CABLE TV
	W	W	W	WATER
	**"W	**"W	**"W	WATER FOR LABELED PIPE SIZES
	NW	NW	NW	NON-POTABLE WATER
	**"NW	**"NW	**"NW	NON-POTABLE WATER FOR LABELED PIPE SIZES
	STM	STM	STM	STEAM
	**"STM	**"STM	**"STM	STEAM FOR LABELED PIPE SIZES
	SS	SS	SS	SANITARY SEWER WITH FLOW DIRECTION
	Σ**"SS	Σ**"SS	Σ**"SS	SANITARY SEWER WITH FLOW DIRECTION FOR LABELED PIPE SIZES
	SFM	SFM	SFM	SANITARY SEWER FORCE MAIN WITH FLOW DIRECTION
	G	G	G	GAS
	**"G	**"G	**"G	GAS FOR LABELED PIPE SIZES
	P	P	P	PETROLEUM
	**"P	**"P	**"P	PETROLEUM FOR LABELED PIPE SIZES

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
			TRANSMISSION TOWER
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

EXISTING	PROPOSED	TEMPORARY	
			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
W	W	W	WATER VALVE MARKER
			STAND PIPE
			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

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)

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 601, 817 West Peachtree Street, NW
Atlanta, GA 30308

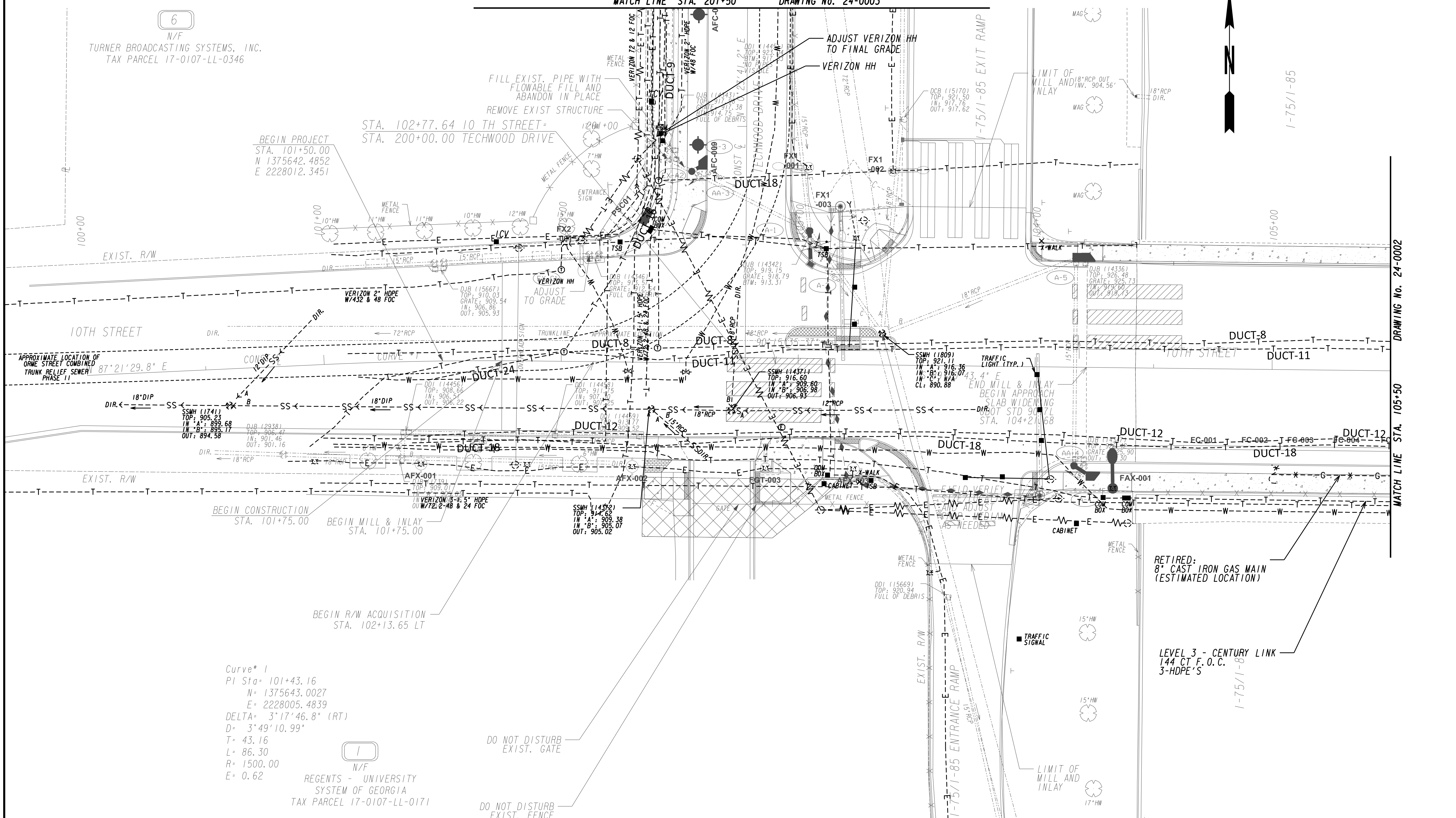
GEORGIA811 Utilities Protection Center, Inc
Know what's below. Call before you dig.

REVISION DATES

UTILITY PLANS LEGEND
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT

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

NOTE: SEE 44-SERIES SHEETS FOR CITY OF ATLANTA WATER AND SEWER ADJUSTMENTS.



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	

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END LIMIT OF ACCESS.............ELA	
REQ'D LIMIT OF ACCESS	
REQ'D LIMIT OF ACCESS & R/W	
ORANGE BARRIER FENCE	
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SCALE IN FEET
0 20 40 80

REVISION DATES

UTILITY PLANS
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT

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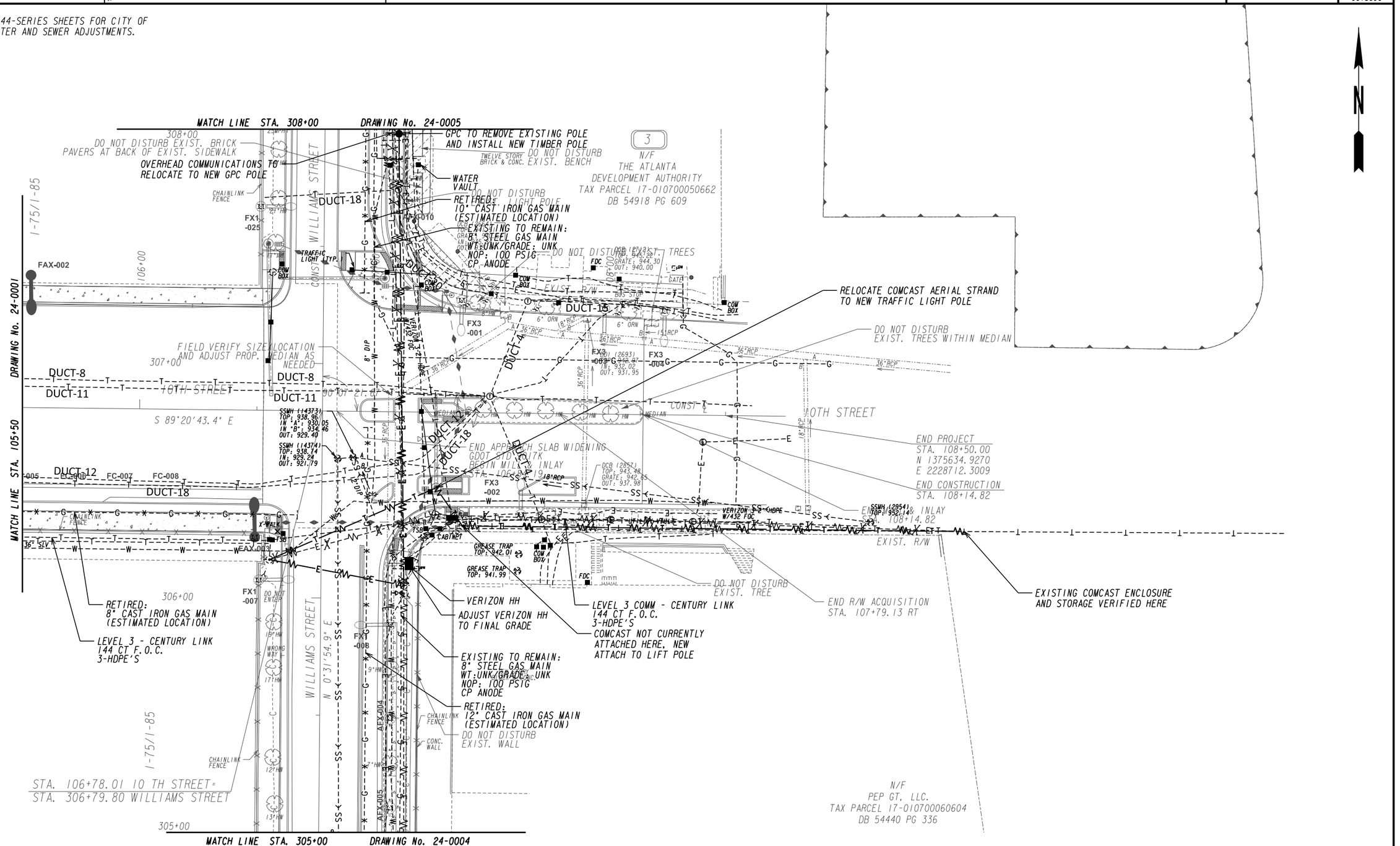
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No.
24-0001

NOTE: SEE 44-SERIES SHEETS FOR CITY OF ATLANTA WATER AND SEWER ADJUSTMENTS.



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0 20 40 80

REVISION DATES

UTILITY PLANS
10TH STREET BRIDGE MULTI-MODAL CONNECTION PROJECT

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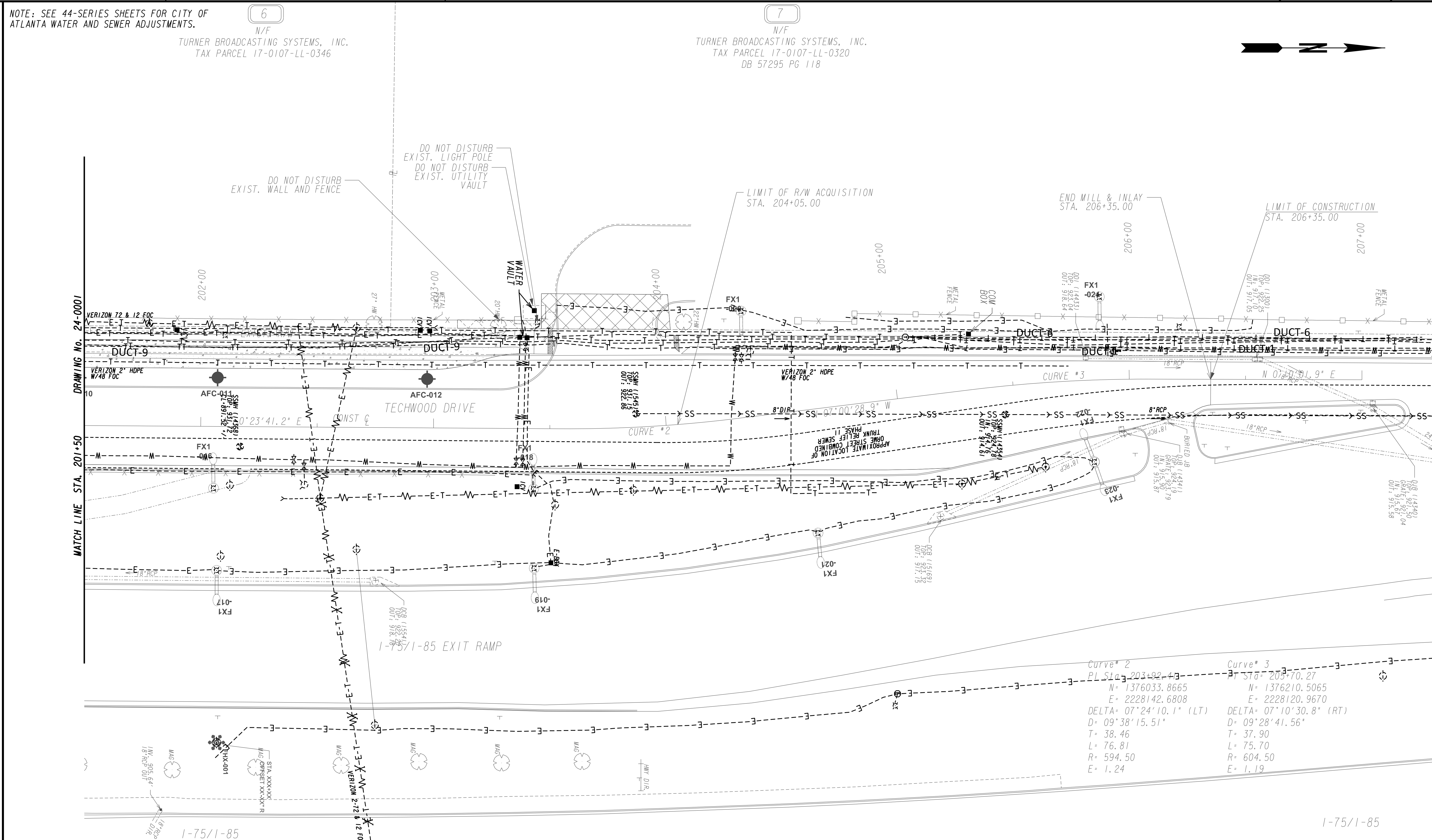
CORRECTED:		DATE:		24-0002
VERIFIED:		DATE:		

10/23/2015 GPLN

NOTE: SEE 44-SERIES SHEETS FOR CITY OF ATLANTA WATER AND SEWER ADJUSTMENTS.



PROPERTY AND EXISTING R/W LINE	
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REVISION DATES

UTILITY PLANS
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT

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VERIFIED:		DATE:	

DRAWING No. 24-0003

NOTE: SEE 44-SERIES SHEETS FOR CITY OF ATLANTA WATER AND SEWER ADJUSTMENTS.

I-75/I-85

I-75/I-85

TRUNKLINE APPROXIMATE LOCATION

LIMIT OF R/W ACQUISITION STA. 303+30.52

BEGIN TYPE III SPECIAL SURFACE COATING FINISH APPLY TO VERTICAL FACE OF PARAPET WALL ONLY STA. 301+22.22

STA. 303+10.95 WILLIAMS STREET = STA. 401+75.00 PEACHTREE PLACE

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

MATCH LINE STA. 305+00

DRAWING No. 24-0002

LIMIT OF CONSTRUCTION STA. 300+50.00

BEGIN MILL & INLAY STA. 300+50.00

60" RCP TRUCKLINE

CONST ℄ WILLIAMS STREET N 0°31'54.9" E

EXISTING TO REMAIN: 2" STEEL GAS MAIN WT:UNK/GRADE: UNK NOP: 100 PSIG CP ANODE

EXISTING TO REMAIN: 8" STEEL GAS MAIN WT:UNK/GRADE: UNK NOP: 100 PSIG CP ANODE

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

EXISTING TO REMAIN: 2" STEEL GAS MAIN WT:UNK/GRADE: UNK NOP: 100 PSIG CP ANODE

DO NOT DISTURB EXIST. TREES

DO NOT DISTURB EXIST. WALL

ADJUST TO GRADE

EXIST. R/W

8 TH STREET

PEACHTREE PLACE

N89°44'29.5"W

BEGIN MILL & INLAY STA. 400+35.00

LIMIT OF CONSTRUCTION STA. 400+35.00

400+00

N/F THE ATLANTA DEVELOPMENT AUTHORITY TAX PARCEL 14-008000032064

N/F DEVELOPMENT AUTHORITY OF FULTON COUNTY TAX PARCEL 17-010700065736 DB 54972 PG 479

N/F PEP GT, LLC. TAX PARCEL 17-010700060604 DB 54440 PG 336

PROPERTY AND EXISTING R/W LINE	
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NOTE: SEE 44-SERIES SHEETS FOR CITY OF ATLANTA WATER AND SEWER ADJUSTMENTS.

I-75/I-85

I-75/I-85

DRAWING No. 24-0002

DRAWING No. 24-0006

MATCH LINE STA. 308+00

MATCH LINE STA. 313+50

308+00 309+00 310+00 310+39.42 310+97.07 311+00 312+00 313+00

CONSTRUCTION TO BE COMPLETED BY OTHERS

DO NOT DISTURB EXIST. WALL

POLES TO BE INSTALLED AS PART OF ADJACENT PORTMAN PROJECT

PROPOSED VERIZON RELOCATION TO BE INSTALLED BY OTHERS

UNDERGROUND WATERLINE TO BE INSTALLED AS PART OF ADJACENT PORTMAN PROJECT

GPC TO INSTALL UNDERGROUND POWER DUCT BANK AS PART OF ADJACENT PORTMAN PROJECT

GPC TO REMOVE EXISTING POLE AND INSTALL NEW TIMBER POLE

OVERHEAD COMMUNICATIONS TO RELOCATE TO NEW GPC POLE

SLACK SPAN

N 0°31'54.9" E

CURVE #4

N 0°12'07.2" E

WEST TAYLOR STREET

FX1 -026 -027 -028 -029

EX-B1

FA-001

DUCT-2 ANMW-100 SR-5B92MT-024

AT-LLH2RT-012

AEX-011 AEX-012 AEX-013

WATER VAULT

DO NOT DISTURB EXIST. LIGHT POLE

VERIZON 3-2" HDPE W/432 FOC

EXISTING TO REMAIN: 8" STEEL GAS MAIN WT:UNK/GRADE: UNK NOP: 100 PSIG CP ANODE

DO NOT DISTURB EXIST. LIGHT POLE

DO NOT DISTURB EXIST. BRICK PAVERS

EXIST. R/W

DO NOT DISTURB EXIST. LIGHT POLE

VERIZON HH

ADJUST VERIZON HH TO FINAL GRADE

107' C-RURAL-WIRE

1-10M AT-LLH2RT-012 C-RURAL-WIRE

RETIRED: 10" CAST IRON GAS MAIN (ESTIMATED LOCATION)

VERIZON TO TRANSFER TO NEW GPC POLE

GPC TO REMOVE EXISTING POLE AND INSTALL NEW SELF SUPPORTING POLE

VERIZON 4" HDPE W/432 FOC

VERIZON 2-72 & 12 FOC

102'

1-10M AT-LLH2RT-012 C-RURAL-WIRE

GPC TO REMOVE EXISTING POLE

GPC TO REMOVE EXISTING POLE

GPC TO REMOVE EXISTING POLE

EXIST. R/W

CHAINLINK FENCE

Curve# 4
PI Sta= 310+68.25
N= 1376025.3233
E= 2228543.9268
DELTA= 0°19'47.7" (LT)
D= 0°34'20.18"
T= 28.83
L= 57.65
R= 10012.00
E= 0.04

3
N/F
THE ATLANTA DEVELOPMENT AUTHORITY
TAX PARCEL 17-010700050662
DB 54918 PG 609

N/F
SCI GEORGIA FUNERAL SURVICES, LLC
TAX PARCEL 17-010700050217

ESA - H.M. PATTERSON & SON - SPRING HILL CHAPEL
SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN GENERAL NOTES FOR CONSTRUCTION RESTRICTIONS

ESA - RETAIL CREDIT COMPANY BUILDING
SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN GENERAL NOTES FOR CONSTRUCTION RESTRICTIONS

N/F
SCI GEORGIA FUNERAL SURVICES, LLC
TAX PARCEL 17-010700050225

N/F
SCI GEORGIA FUNERAL SURVICES, LLC
TAX PARCEL 17-010700050118

N/F
SCI GEORGIA FUNERAL SURVICES, LLC
TAX PARCEL 17-010700050100

N/F
SCI GEORGIA FUNERAL SURVICES, LLC
TAX PARCEL 17-010700050092

5
N/F
TURNER BROADCASTING SYSTEMS, INC.
TAX PARCEL 17-010700050019
DB 8231 PG 468

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

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REVISION DATES

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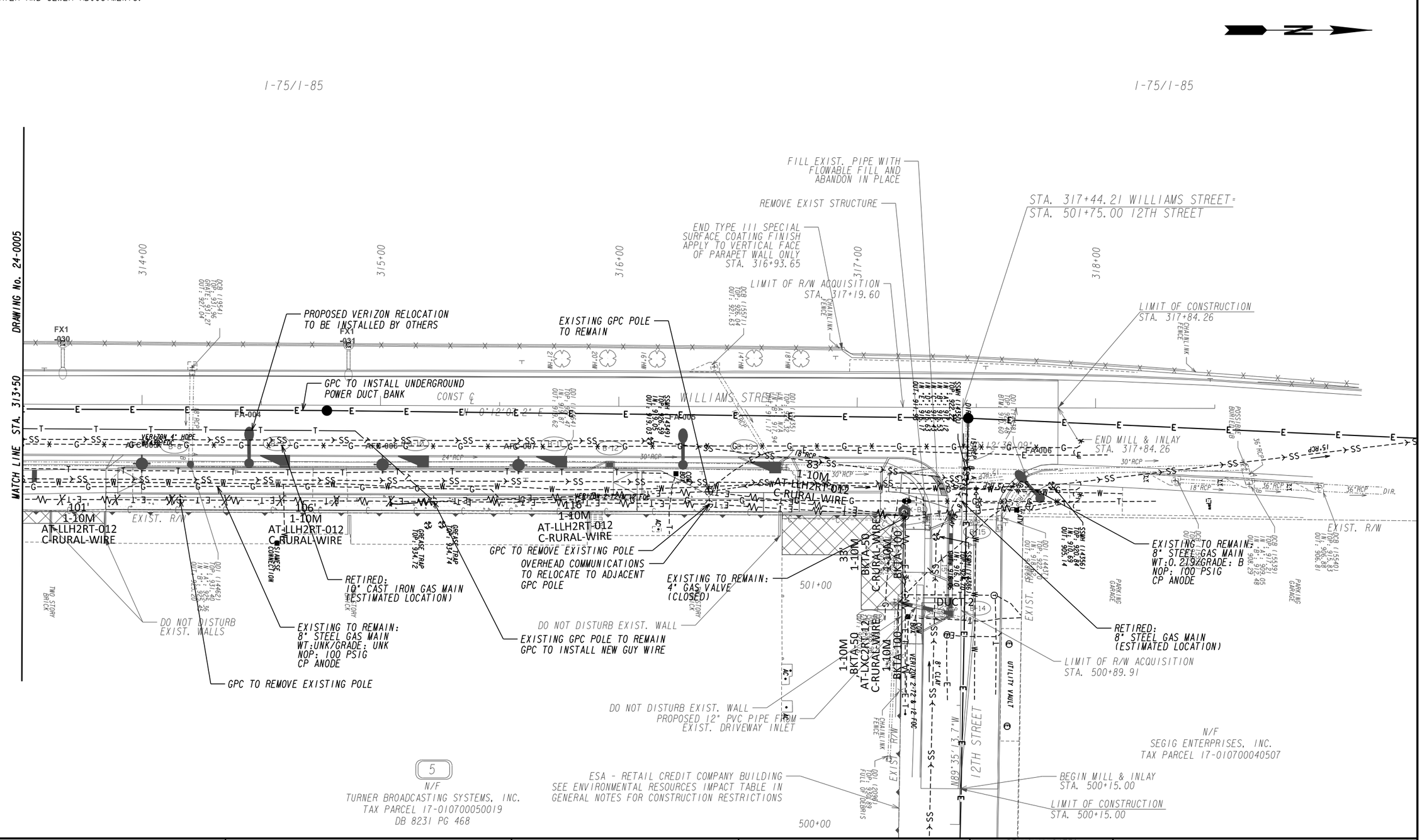

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10TH STREET BRIDGE MULTI-MODAL CONNECTION PROJECT

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VERIFIED:		DATE:		

10/23/2015 GPLN

GDOT P.I. No. 0015890

LEGEND

Symbol	Description
#4 —G—	GROUNDING SYSTEM. ELECTRODE AND CONDUCTOR (COUNTERPOISE) (BARE COPPER) SIZE AS INDICATED
	CAPPED CONDUIT
PC	LIGHTING PHOTOCELL
OC	INTEGRATED OCCUPANCY SENSOR
3P 20 A	MOLDED CASE CIRCUIT BREAKER, FIXED TRIP. THREE POLE UNLESS DESIGNATED '1P' OR '2P'.
	FUSE–POWER AND CONTROL APPLICATIONS RESPECTIVELY, SIZE AS INDICATED
50A 9KV	SURGE ARRESTOR – VOLTAGE RATING AND CLASS AS INDICATED
SS	GROUND CONNECTION – TO STANDARD ROD TYPE ELECTRODE, TO NEAREST STRUCTURAL STEEL (#6 MIN. CONDUCTOR IF NOT SHOWN)
KWH	KILOWATT–HOUR METER (WH IS WATT–HOUR METER)
	POWER & DISTRIBUTION TRANSFORMER, RATED kVA, VOLTAGE, CONNECTIONS, COOLING CLASS AND TYPE AS INDICATED.
AS A VS V	AMMETER AND VOLTMETER WITH PHASE SELECTOR SWITCH
GFI #2 400 AT 0.3 s	GROUND FAULT INTERRUPTING EQUIPMENT (SEE SPECS) WITH TRIP SETTING AT DESIGNATED TIME DELAY INTERLOCKING CONTROL AS INDICATED
	DISCONNECT SWITCH, SIZE AND TYPE AS INDICATED (OR 3P, 240V, 30A MIN)
LP-2,4,6	BRANCH CIRCUIT AND FEEDER WIRING. LONG, SHORT, SINGLE DOT AND DOUBLE DOT HASH MARKS REPRESENT PHASE CONDUCTOR, NEUTRAL, EQUIPMENT GROUND, AND ISOLATED EQUIPMENT GROUND RESPECTIVELY (AS APPLICABLE). ARROWS AND LETTER/NUMERALS IDENTIFY HOME–RUN CIRCUITS. IF HASH MARKS ARE OMITTED BETWEEN HOME–RUNS, TRANSITION SEGMENTS, AND END–OF–LINE DEVICES, REQUIRED QUANTITY IS UNDERSTOOD TO APPLY TO ALL UNMARKED INTERVENING SEGMENTS.
	LIGHT LINE – EXISTING, OR BY OTHER TRADES
	HEAVY LINE – NEW ELECTRICAL WORK
	UNDERGROUND OR CONCEALED CONDUIT
PSC	POWER SERVICE CABINET
— E —	UTILITY UNDERGROUND ELECTRIC
—E—	UTILITY OVERHEAD ELECTRIC
H	PROPOSED HANDHOLE
E	PROPOSED MANHOLE
E	PROPOSED ELECTRIC BOX

Symbol	Description
FA-100, 1, STA. 100+46.68, OFFSET 11'-4.5" L	POLE MOUNTED LED LIGHTING FIXTURE (COA TYPE CH) , 30'–0" HIGH FA–100 = FA (FIXTURE TYPE), 100 (FIXTURE NUMBER) STA. 100+46.68 = STATION NUMBER OFFSET 11'–4.5" L = OFFSET FROM CENTER LINE OF ROAD, LEFT SIDE 1 = CIRCUIT NUMBER
FAX-100, 1, STA. 100+46.68, OFFSET 11'-4.5" L	REPLACE EXISTING HID LIGHT FIXTURE WITH LED LIGHT FIXTURE ON EXISTING POLE, (COA TYPE CH) , APPROXIMATELY 30'–0" HIGH FAX–100 = FAX (FIXTURE TYPE), 100 (FIXTURE NUMBER) STA. 100+46.68 = STATION NUMBER OFFSET 11'–4.5" L = OFFSET FROM CENTER LINE OF ROAD, LEFT SIDE 1 = CIRCUIT NUMBER
FC-100, 1, STA. 100+46.68, OFFSET 11'-4.5" L	STEP LIGHT FIXTURE MOUNTED APPROXIMATELY 27" HIGH, IN BRIDGE DIVIDER WALL, FC–100 = FC (FIXTURE TYPE), 100 (FIXTURE NUMBER), STA. 100+46.68 = STATION NUMBER, OFFSET 11'–4.5" L = OFFSET FROM CENTER LINE OF ROAD, LEFT SIDE, 1 = CIRCUIT NUMBER
FX1-100, 1, STA. 100+46.68, OFFSET 11'-4.5" L	EXISTING POLE MOUNTED LIGHTING FIXTURE, APPROXIMATELY 30' HIGH, FX1–100 = FX1 (FIXTURE TYPE), 100 (FIXTURE NUMBER), STA. 100+46.68 = STATION NUMBER, OFFSET 11'–4.5" L = OFFSET FROM CENTER LINE OF ROAD, LEFT SIDE 1 = CIRCUIT NUMBER
FX2-100, 1, STA. 100+46.68, OFFSET 11'-4.5" L	EXISTING LIGHTING FIXTURE, APPROXIMATELY 30' HIGH MOUNTED ON EXISTING WOOD UTILITY POWER POLE FX2–100 = FX2 (FIXTURE TYPE), 100 (FIXTURE NUMBER), STA. 100+46.68 = STATION NUMBER OFFSET 11'–4.5" L = OFFSET FROM CENTER LINE OF ROAD, LEFT SIDE 1 = CIRCUIT NUMBER
FX3-100, 1, STA. 100+46.68, OFFSET 11'-4.5" L	EXISTING POLE MOUNTED LIGHTING FIXTURE (COA TYPE A), APPROXIMATELY 30' HIGH, FX3–100 = FX3 (FIXTURE TYPE), 100 (FIXTURE NUMBER), STA. 100+46.68 = STATION NUMBER, OFFSET 11'–4.5" L = OFFSET FROM CENTER LINE OF ROAD, LEFT SIDE 1 = CIRCUIT NUMBER
FX4-100, 1, STA. 100+46.68, OFFSET 11'-4.5" L	EXISTING POLE MOUNTED LED LIGHTING FIXTURE, APPROXIMATELY 25' HIGH, FX4–100 = FX4 (FIXTURE TYPE), 100 (FIXTURE NUMBER), STA. 100+46.68 = STATION NUMBER, OFFSET 11'–4.5" L = OFFSET FROM CENTER LINE OF ROAD, LEFT SIDE 1 = CIRCUIT NUMBER
FHX-100, 1, STA. 150+40.00, OFFSET 46'-6.0" L	EXISTING HIGH MAST LIGHTING FIXTURE, 6 FIXTURES, APPROXIMATE 100' MOUNTING HEIGHT FHX–100 = FHX (FIXTURE TYPE), 100 (FIXTURE NUMBER) STA. 100+46.68 = STATION NUMBER OFFSET 11'–4.5" L = OFFSET FROM CENTER LINE OF ROADWAY LEFT SIDE, 1 = CIRCUIT NUMBER
AFC-100, 1, STA. 100+46.68, OFFSET 11'-4.5" L	POLE MOUNTED PEDESTRIAN LIGHT (COA TYPE C), 14–0" HIGH AFC–100 = AFC (FIXTURE TYPE), 100 (FIXTURE NUMBER) STA. 100+46.68 = STATION NUMBER, OFFSET 11'–4.5" L = OFFSET FROM CENTER LINE OF ROAD, LEFT SIDE 1 = CIRCUIT NUMBER
AFX-100, 1, STA. 100+46.68, OFFSET 11'-4.5" L	EXISTING POLE MOUNTED PEDESTRIAN LIGHT (COA TYPE C), 14–0" HIGH AFX–100 = AFX (FIXTURE TYPE), 100 (FIXTURE NUMBER) STA. 100+46.68 = STATION NUMBER, OFFSET 11'–4.5" L = OFFSET FROM CENTER LINE OF ROAD, LEFT SIDE 1 = CIRCUIT NUMBER
FGT-100, 1, STA. 100+46.68, OFFSET 11'-4.5" L	EXISTING GEORGIA TECH POLE MOUNTED LIGHTING FIXTURE, APPROXIMATELY 30'–0" HIGH FGT–100 = FGT (FIXTURE TYPE), 100 (FIXTURE NUMBER) STA. 100+46.68 = STATION NUMBER OFFSET 11'–4.5" L = OFFSET FROM CENTER LINE OF ROAD, LEFT SIDE 1 = CIRCUIT NUMBER

CITY OF ATLANTA
STREET LIGHT WIRING PROCEDURE

1. ALL,WIRING DIAGRAMS, RELOCATIONS. LIGHTING ADDITIONS OR LIGHTING DELETIONS MUST BE SUBMITTED-TO THE DEPARTTMENT 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 MC" 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 DURLNG 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*

25–0000 SERIES – PLAN SHEETS
25–2000 SERIES – DETAIL AND SCHEDULE SHEETS
25–3000 SERIES – WIRING DIAGRAM SHEETS

ELECTRICAL GENERAL NOTES

1. GENERAL CONTRACTOR TO PROVIDE ONLY FOUNDATIONS AND CONDUIT ARRANGEMENTS AS WELL AS REMOVE STREETLIGHT CIRCUITS FROM METER PEDESTALS ON THE ROADWAY SECTIONS OF THE PROJECT. THIS DOES NOT INCLUDE WORK TO BE PROVIDED ON THE 10TH STREET BRIDGE.
2. GENERAL CONTRACTOR TO PROVIDE ALL NEW LIGHT WORK AND SPECIALTY LIGHTING FOR THE FENCES AND BARRIERS ON THE 10TH STREET BRIDGE. THIS WORK INCLUDES PROVIDING THE POWER SERVICE POINT, CONDUIT AND WIRING FOR ALL NEW LIGHTING ON THE BRIDGE.
3. GEORGIA POWER (GPC) TO BE STIPULATED AS AN ADDITIONAL PARTICIPANT IN FIELD INSPECTION AS OUTLINED IN THE CURRENT CITY OF ATLANTA CHECKLIST. THE CONTRACTOR SHALL BE REQUIRED TO COORDINATE WITH GPC ON ANCHOR BOLT CONFIGURATION AND CONDUIT ARRANGEMENTS TO POINTS OF SERVICE.
4. GEORGIA POWER COMPANY (GPC) HAS AGREED TO PROVIDE ALL WIRING, NEW POLES, NEW FIXTURES AS WELL AS RETROFITS OF EXISTING LIGHTS, INCLUDING THOSE ON THE 10th STREET BRIDGE, TO LED.
5. PROTECTION OF FOUNDATION/ANCHOR BOLTS IS A MAJOR CONCERN FOR BOTH MA AND THE CITY. CONSIDERING CURRENT LIGHTING FIXTURE DELIVERABLES TAKE APPROXIMATELY 4 MONTHS AFTER RELEASE OF SHOP DRAWINGS, MA REQUESTS THAT A MINIMUM 8 MONTHS OF PROTECTION BY THE GENERAL CONTRACTOR BE STIPULATED FROM PLACEMENTS, SO AS TO ALLOW GPC TIME TO MOBILIZE TO PERFORM INSTALLATIONS. GENERAL CONTRACTOR SHALL BE REQUIRED TO COORDINATE WITH GPC REQUESTS TO EVALUATE CONSTRUCTION SEQUENCE AND DETERMINE A DEPLOYMENT PLAN TO BE WORKED INTO THE PROJECT SEQUENCE.
6. NO CONDUIT MAY BE RUN OUTSIDE THE RIGHT OF WAY BOUNDARY OR ON PRIVATE PROPERTY. ROUTE ALL CONDUITS BETWEEN EACH POLE FIXTURE TO THE SERVICE IN THE MOST DIRECT ROUTE POSSIBLE. RUN CONDUITS IN THE GRASS AREA WHEN AVAILABLE. NO CONDUITS ARE TO BE RUN ON PRIVATE PROPERTY.
7. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO ANY DIGGING. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST.
8. ALL UNDERGROUND CONDUIT SHALL BE PVC SCHEDULE 40. CONDUIT INSTALLED UNDERNEATH ROADWAYS AND DRIVES SHALL BE RGS. 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.
9. RIGID CONDUIT INSTALLED ON STRUCTURES SHALL BE SUPPORTED AT LEAST EVERY TEN FEET AND WITHIN THREE FEET OF J-BOXES, LUMINARIES, ETC.
10. EXPOSED CONDUIT SHALL BE RGS UNLESS OTHERWISE NOTED.
11. CONDUIT ACCESSORIES SUCH AS EXPANSION JOINTS, PULLBOXES, CONDULETS, ELBOWS, ETC. SHALL BE INCLUDED IN THE PRICE BID FOR CONDUIT.
12. 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.
13. ALL FUSES AND FUSE HOLDERS SHALL BE IN-LINE TYPE AND WATERPROOF.
14. ALL ELECTRICAL MATERIALS, SUCH AS CONDUIT, CABLES, WIRE, AND J-BOXES, 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).

GEORGIA REGISTERED PROFESSIONAL ENGINEER NO. 21... ROOSEVELT POWELL

RPA
R. POWELL & ASSOCIATES, INC.
ENGINEERING CONSULTANTS
1312 KILLIAN WAY
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PHONE: 770-806-0143

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 601, 817 West Peachtree Street, NW
Atlanta, GA 30308

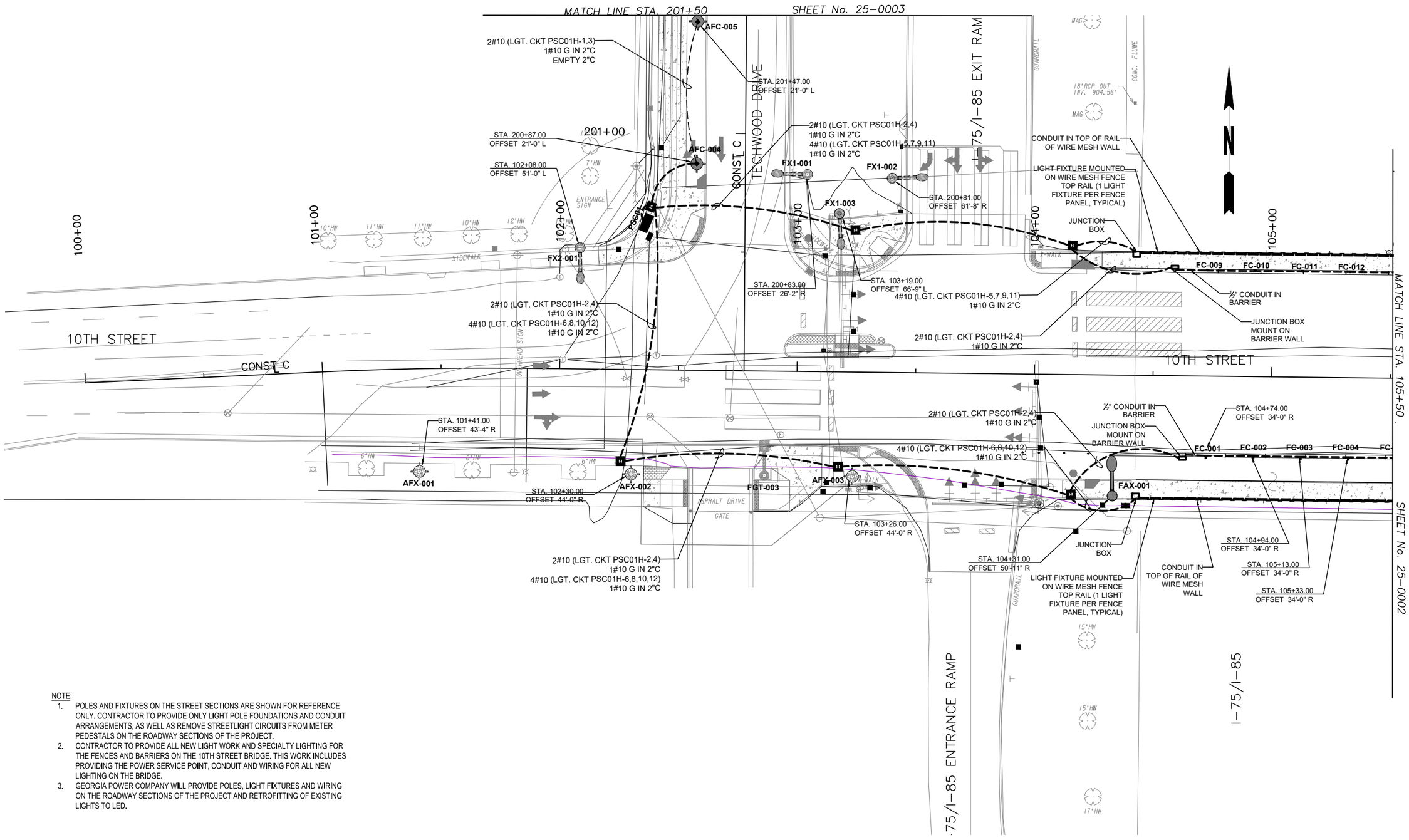
REVISION DATES

10th STREET BRIDGE
GENERAL NOTES AND LEGENDS

CHECKED:	RP	DATE:	5/19/2023
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 25–0000

			GDOT	P.I. No. 0015890



NOTE:

1. POLES AND FIXTURES ON THE STREET SECTIONS ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR TO PROVIDE ONLY LIGHT POLE FOUNDATIONS AND CONDUIT ARRANGEMENTS, AS WELL AS REMOVE STREETLIGHT CIRCUITS FROM METER PEDESTALS ON THE ROADWAY SECTIONS OF THE PROJECT.
2. CONTRACTOR TO PROVIDE ALL NEW LIGHT WORK AND SPECIALTY LIGHTING FOR THE FENCES AND BARRIERS ON THE 10TH STREET BRIDGE. THIS WORK INCLUDES PROVIDING THE POWER SERVICE POINT, CONDUIT AND WIRING FOR ALL NEW LIGHTING ON THE BRIDGE.
3. GEORGIA POWER COMPANY WILL PROVIDE POLES, LIGHT FIXTURES AND WIRING ON THE ROADWAY SECTIONS OF THE PROJECT AND RETROFITTING OF EXISTING LIGHTS TO LED.

GEORGIA REGISTERED NO. 21502 PROFESSIONAL ENGINEER ROBERT EVELT POWELL

RPA
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Atlanta, GA 30308

SCALE IN FEET
0 20 40 80

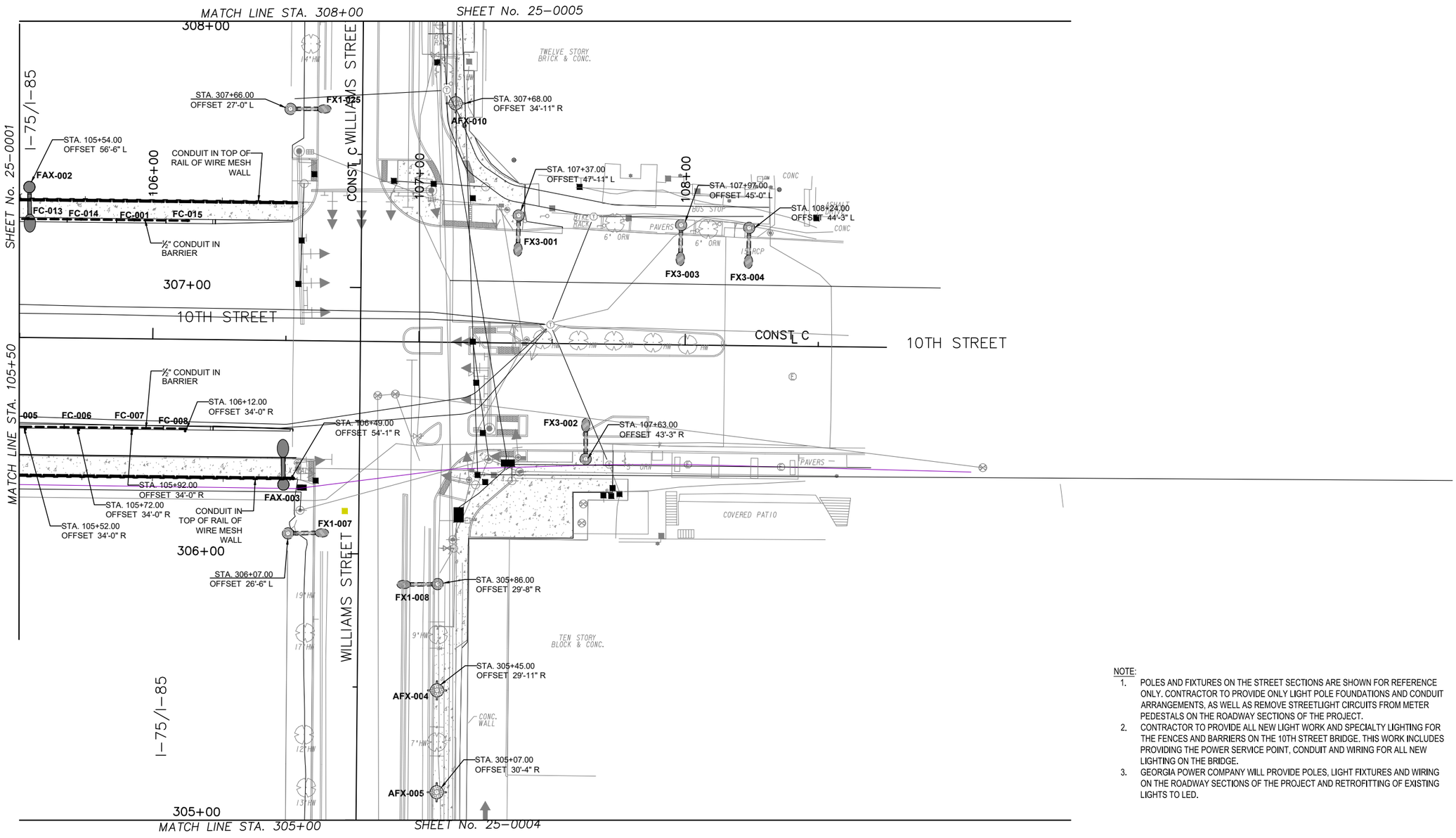
REVISION DATES		

10th STREET BRIDGE
LIGHTING PLANS
STA. TO STA.

CHECKED:	RP	DATE:	5/19/2023
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No.
25-0001

				P.I. No. 0015890



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GEORGIA REGISTERED NO. 21557 PROFESSIONAL ENGINEER EVELYN POWELL

RPA
R. POWELL & ASSOCIATES, INC.
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Atlanta, GA 30308

SCALE IN FEET
0 20 40 80

REVISION DATES		

10th STREET BRIDGE
LIGHTING PLANS
STA. TO STA.

CHECKED:	RP	DATE:	5/19/2023	DRAWING No.
BACKCHECKED:		DATE:		25-0002
CORRECTED:		DATE:		
VERIFIED:		DATE:		

GDOT P.I. No. 0015890

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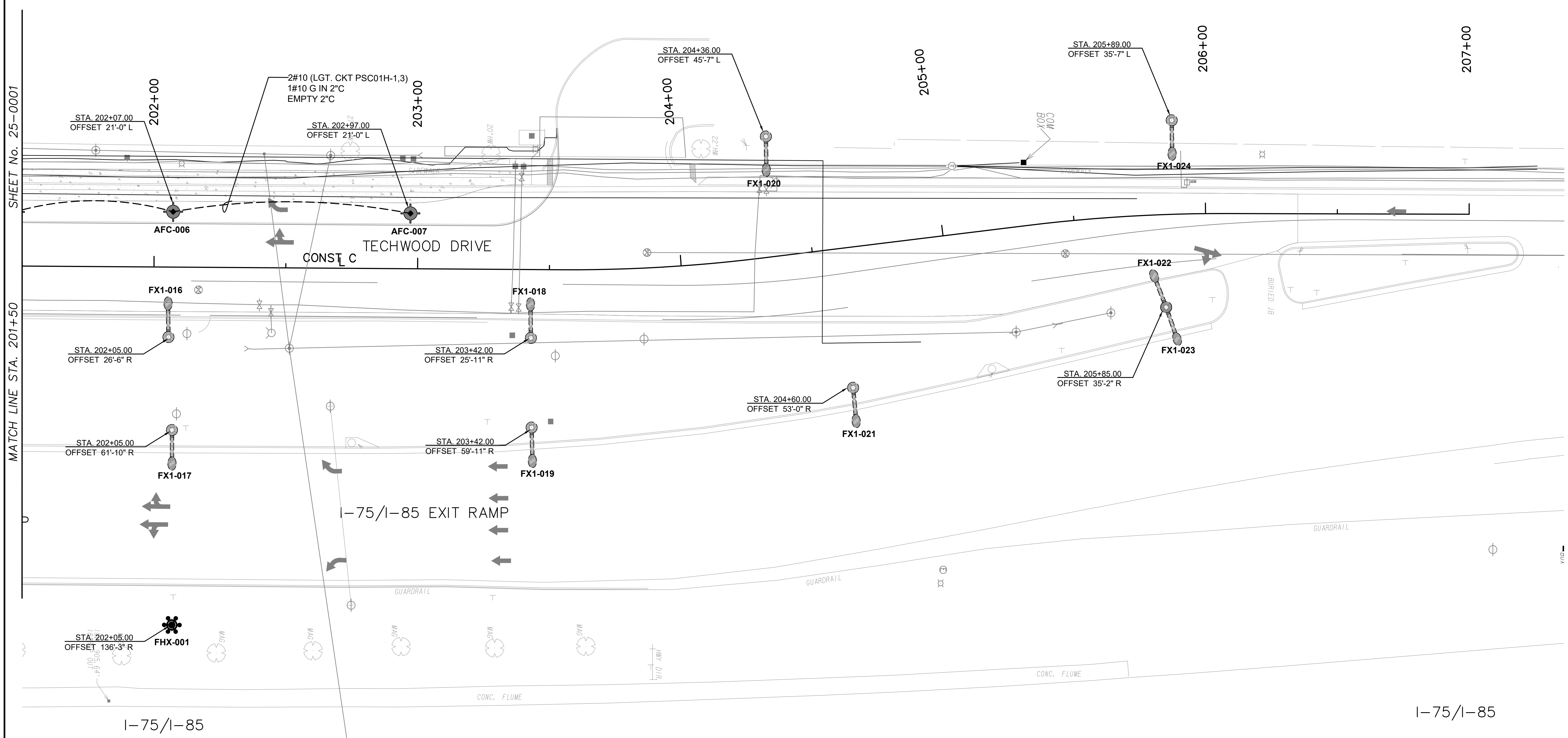

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Atlanta, GA 30308

SCALE IN FEET
0 20 40 80

REVISION DATES

10th STREET BRIDGE
LIGHTING PLANS
STA. TO STA.

CHECKED:	RP	DATE:	5/19/2023
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No.
25-0003

			GDOT	P.I. No. 0015890

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I-75/I-85

N

I-75/I-85

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

STA. 300+16.00 OFFSET 24'-6" L — FX1-015
STA. 301+48.00 OFFSET 25'-2" L — FX1-014
STA. 302+80.00 OFFSET 25'-5" L — FX1-013
STA. 303+62.00 OFFSET 26'-0" L — FX1-011
STA. 304+94.00 OFFSET 26'-6" L — FX1-009

CONST C WILLIAMS STREET

FX1-012
FX1-010
AFX-009
AFX-008
FX4-001
AFX-007
AFX-006

STA. 300+75.00 OFFSET 42'-11" R
STA. 301+52.00 OFFSET 40'-11" R
STA. 302+56.00 OFFSET 35'-11" R
STA. 303+91.00 OFFSET 31'-0" R
STA. 304+32.00 OFFSET 30'-9" R
STA. 307+68.00 OFFSET 34'-11" R
STA. 303+49.00 OFFSET 31'-4" R

401+00
400+00

8 TH STREET
PEACHTREE PLACE
CONST C

SIX STORY CONCRETE BUILDING
SIX STORY CONCRETE BUILDING
STORY BRICK & CONC. WITH PARKING GARAGE
TEN STORY BRICK WITH PARKING GARAGE
CONC. WALL
BIRCH
STAIRS
5' HW
4' HW
8' HW

MATCH LINE STA. 305+00

SHEET No. 25-0002

GEORGIA REGISTERED NO. 21592 PROFESSIONAL ENGINEER REVELT POWELL

RPA
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SCALE IN FEET
0 20 40 80

REVISION DATES		

10th STREET BRIDGE
LIGHTING PLANS
STA. TO STA.

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BACKCHECKED:		DATE:		25-0004
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VERIFIED:		DATE:		

P.I. No. 0015890

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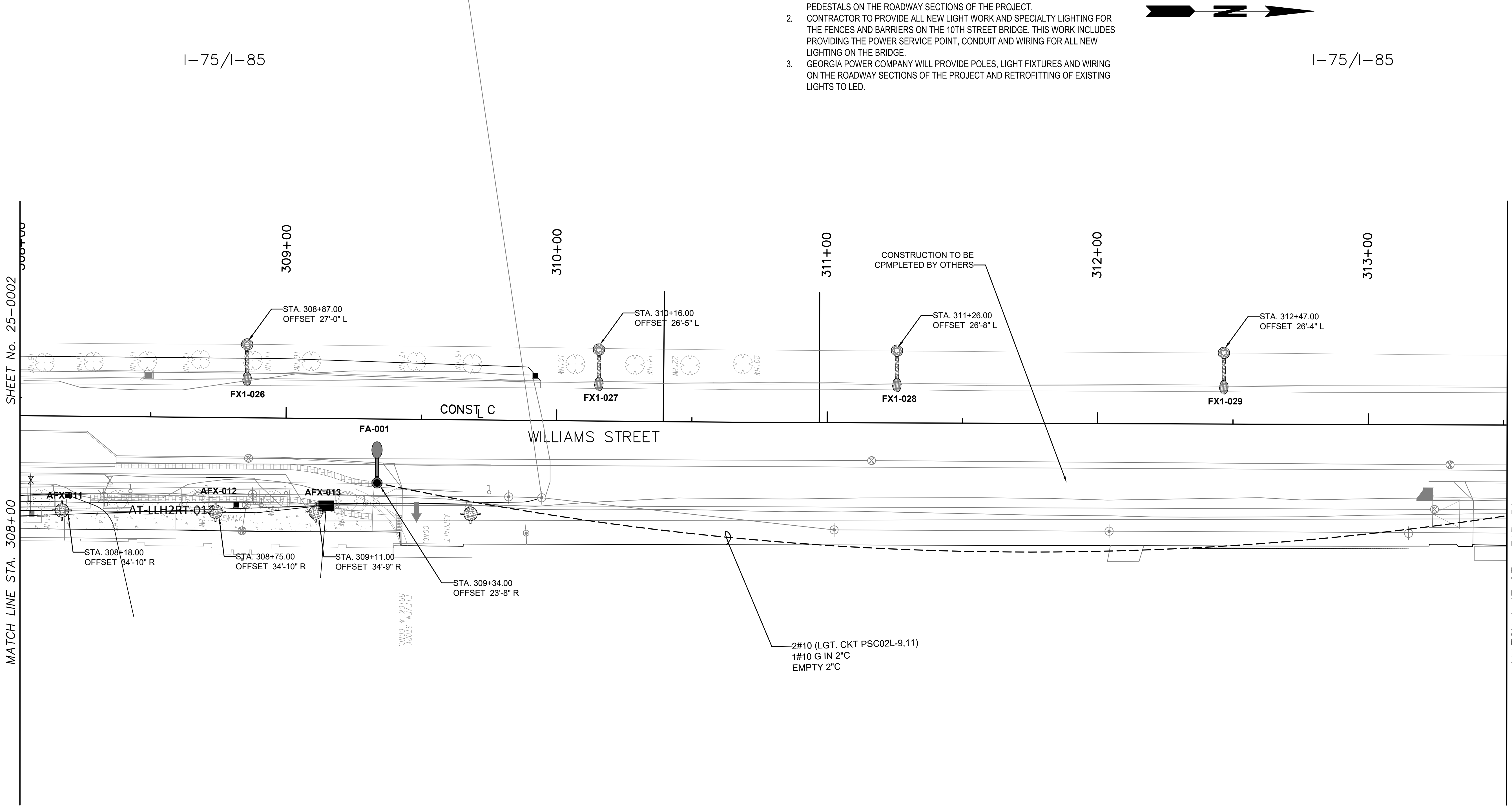

NO. 21550 GEORGIA REGISTERED PROFESSIONAL ENGINEER

RPA
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STA. TO STA.

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DRAWING No.
25-0005

GDOT P.I. No. 0015890

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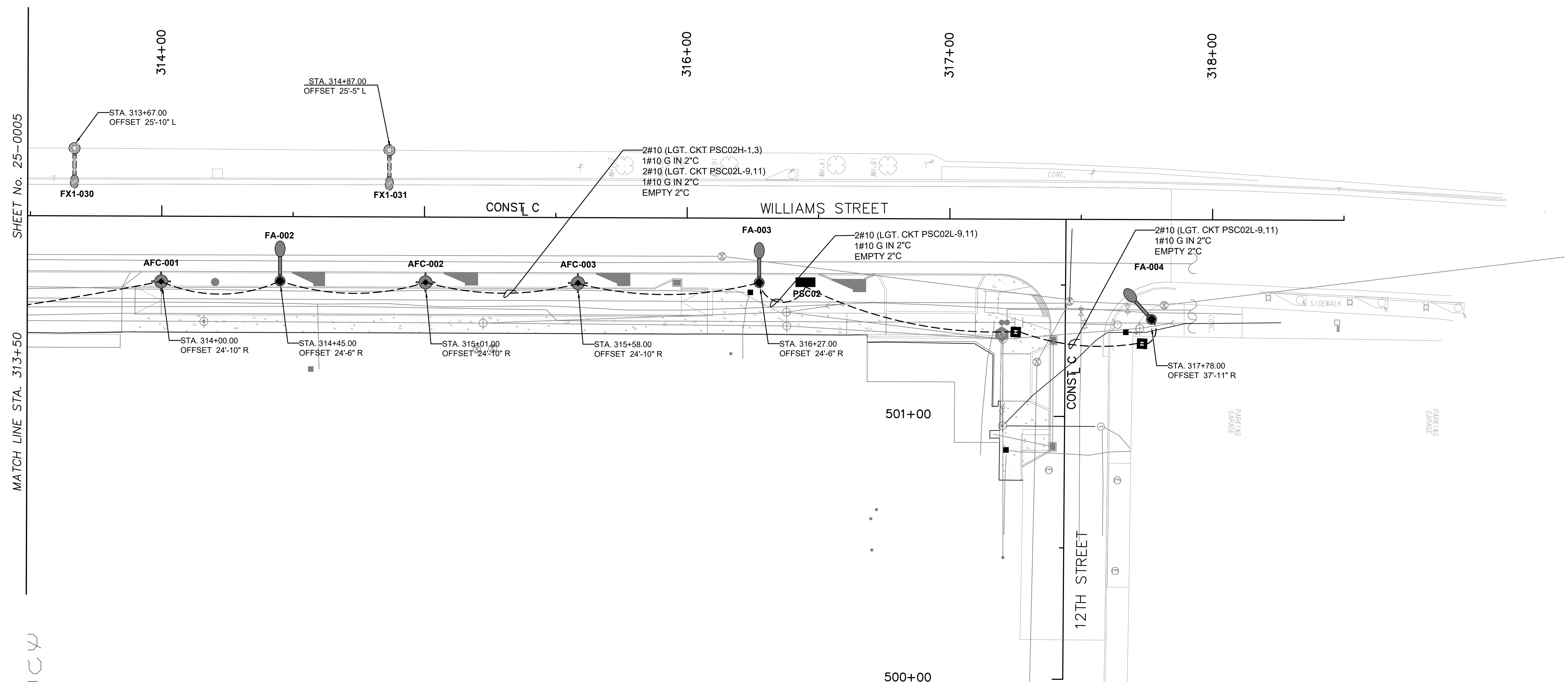
I-75/I-85 I-75/I-85



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REVISION DATES

10th STREET BRIDGE
LIGHTING PLANS
STA. TO STA.

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25-0006

P.I. No.
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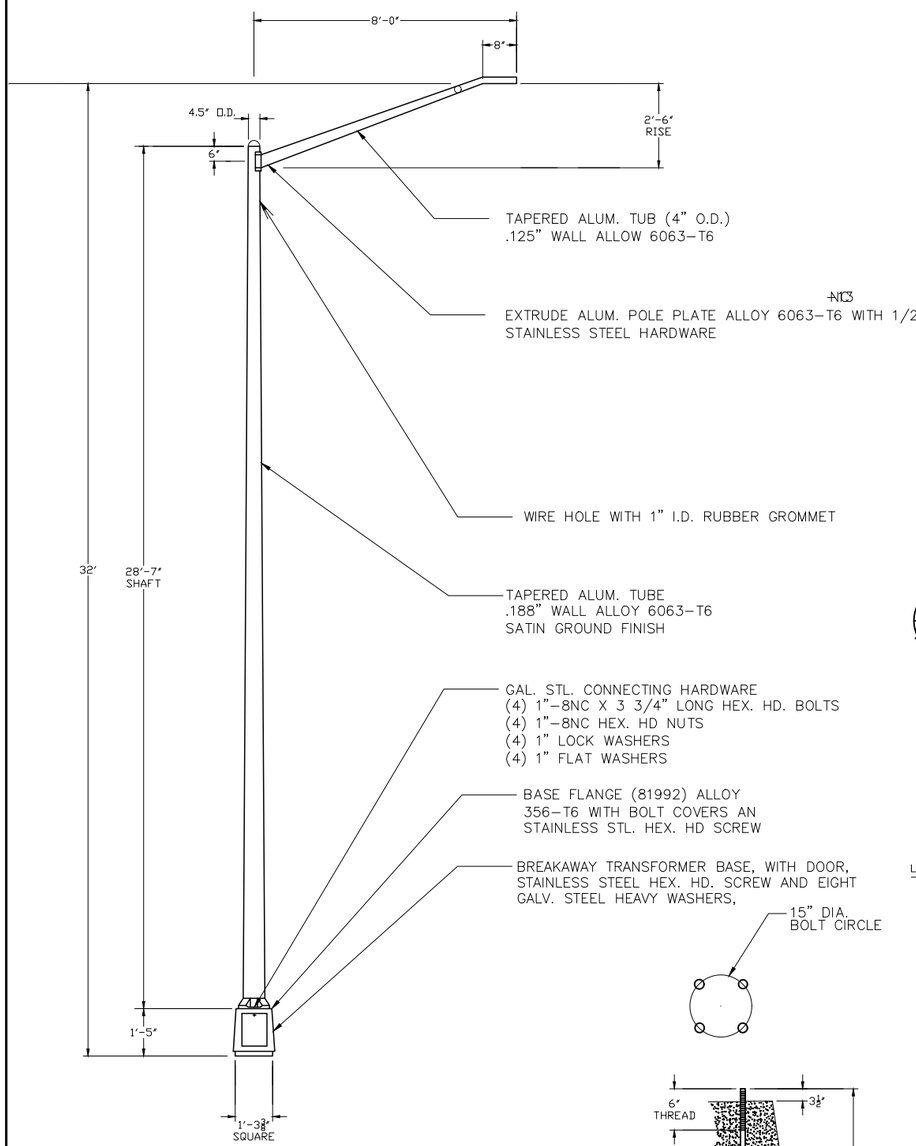
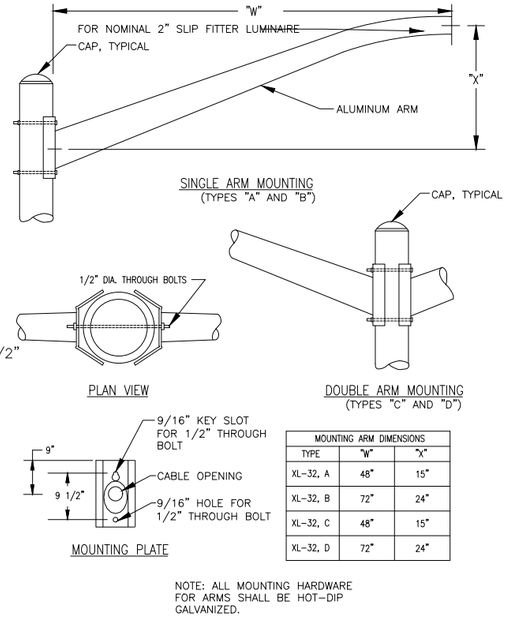


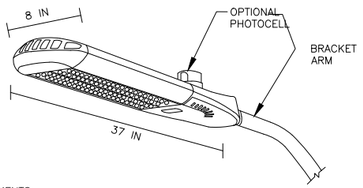
1 25-2001 TYPE "FA" LIGHTING FIXTURE DETAIL (COA "CH" FIXTURE) N.T.S.



MOUNTING ARM DIMENSIONS		
TYPE	"W"	"X"
XL-32, A	48"	15"
XL-32, B	72"	24"
XL-32, C	48"	15"
XL-32, D	72"	24"

NOTE: ALL MOUNTING HARDWARE FOR ARMS SHALL BE HOT-DIP GALVANIZED.

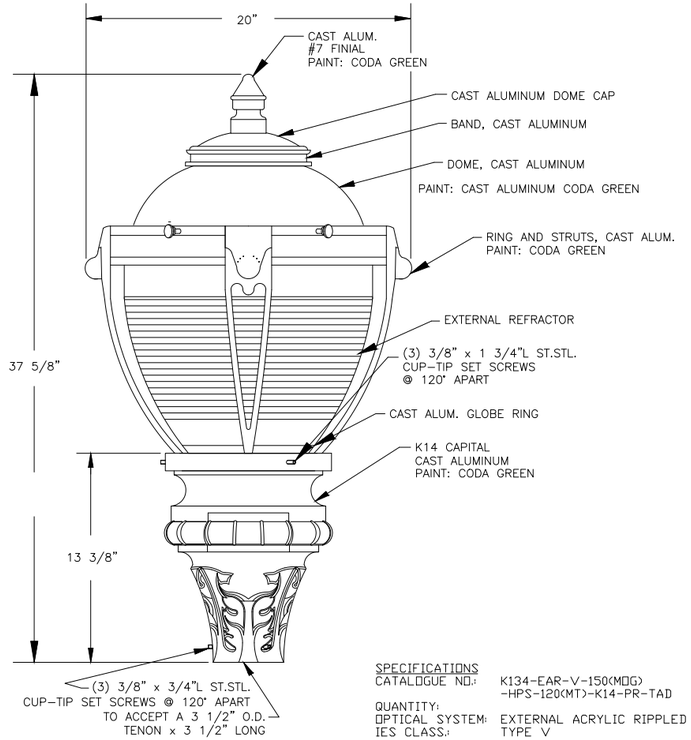
3 25-2001 LIGHTING FIXTURE MOUNTING ON POLE DETAIL N.T.S.



LUMINAIRE REQUIREMENTS:

1. HOUSING – DIE CAST ALUMINUM OR DIE CAST AND EXTRUDED ALUMINUM. HEAT SINK INCORPORATED DIRECTLY INTO HOUSING TO ENSURE MAXIMUM HEAT TRANSFER AND DISSIPATION.
2. FINISH – MULTI-STAGE PRE-TREATMENT, FINISHED WITH BAKED-ON POLYESTER POWDER COAT. FINISH SHALL PASS 2500 HOUR SALT SPRAY TEST PER ASTM B117. FINISH COLORS INCLUDE DARK BRONZE, SILVER, OR BLACK WITH CUSTOM COLORS AVAILABLE.
3. POWER SUPPLY/LED DRIVER – PROVIDE IN SEPARATE COMPARTMENT ACCESSIBLE WITHOUT THE USE OF HAND TOOLS. CLASS 1 DRIVER SHALL OPERATE AT 120/277 V, 50/60 Hz. OTHER VOLTAGES OPTIONAL. POWER FACTOR GREATER THAN 0.9 AND THD LESS THAN 20% AT FULL LOAD. MINIMUM EFFICACY SHALL BE 60 LM/W AT MAXIMUM 600 mA OPERATING CURRENT.
4. LED OPTICAL ASSEMBLY – NUMBER OF LED ARRAYS SHALL VARY TO ACCOMMODATE DESIRED LUMINAIRE OUTPUT. PROVIDE WITH EQUIVALENT NEMA TYPE II, III IV, OR V DISTRIBUTION AS INDICATED. BUG UPLIGHT RATING OF U0, WITH BACKLIGHT AND GLARE RATINGS AS DETERMINED BY LIGHTING ZONE INSTALLED. MINIMUM COLOR RENDERING INDEX (CRI) SHALL BE 70 FOR CORRELATED COLOR TEMPERATURES (CCT) OF 4000 TO 4500 DEGREES K.
5. SURGE PROTECTION – 6 kV MINIMUM, COMPLIANT WITH ANSI C62.41.2.
6. CERTIFICATION – UL AND/OR ETL LISTED, MINIMUM IP65 RATED PER ANSI/IEC 60529, AND RoHS COMPLIANT.
7. OPTIONS – PHOTOCELL AND RECEPTACLE, SHORTING CAP, BIRD SPIKES, AND 0-10 VOLT DIMMING DRIVER.
8. OTHER – THE ABOVE SKETCH IS A NON-PROPRIETARY GRAPHIC REPRESENTATION OF A LUMINAIRE THAT MAY MEET THE SPECIFICATION REQUIREMENTS AND IS NOT INTENDED TO INDICATE A CERTAIN MANUFACTURER'S PREFERENCE. ALL DIMENSIONS ARE NOMINAL AND VARY PER MANUFACTURER.

2 25-2001 LED COBRA HEAD ROADWAY FIXTURE DETAIL N.T.S.



SPECIFICATIONS

CATALOGUE NO.:	K134-EAR-V-150(MOG) -HPS-120(MT)-K14-PR-TAD
QUANTITY:	
OPTICAL SYSTEM:	EXTERNAL ACRYLIC RIPPLED
IES CLASS.:	TYPE V
WATTAGE:	150W
LIGHT SOURCE:	LED 150 WATT EQ.
LINE VOLTAGE:	120V (MULTI-TAP)
POLE ADAPTOR:	K14
OPTIONS:	TWISTLOCK RECEPTACLE TOP CAST ALUMINUM DOME

4 25-2001 TYPE "AFC" LIGHT FIXTURE DETAIL (COA "C" FIXTURE) N.T.S.

NOTE:
1. POLES AND FIXTURES SHOWN FOR REFERENCE ONLY. CONTRACTOR TO PROVIDE ONLY LIGHT POLE FOUNDATIONS AND CONDUIT ARRANGEMENTS
2. GEORGIA POWER COMPANY WILL PROVIDE POLES, LIGHT FIXTURES AND WIRING.

GEORGIA REGISTERED NO. 21597 PROFESSIONAL ENGINEER REVELT POWELL

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REVISION DATES		

10th STREET BRIDGE
LIGHTING DETAILS

CHECKED:	RP	DATE:	5/19/2023	DRAWING No.
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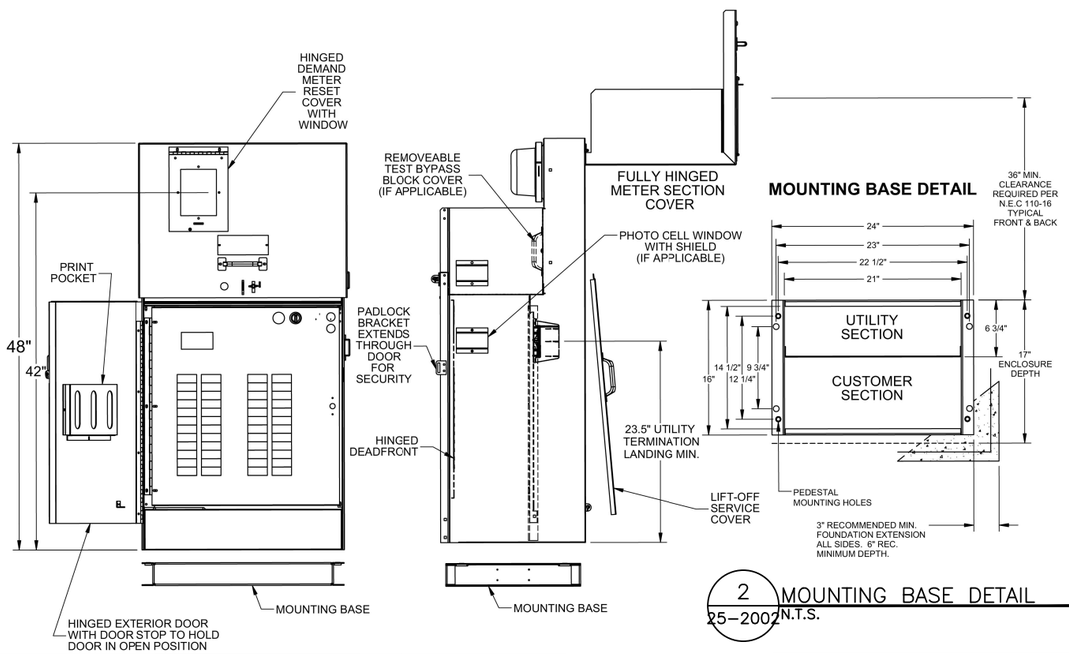
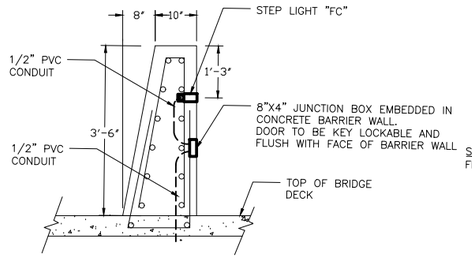
	0015890



1 25-2002 "B" STYLE COMMERCIAL METER 24" PEDESTAL DETAIL (PSC) N.T.S.

2 25-2002 MOUNTING BASE DETAIL N.T.S.



3 25-2002 BARRIER DETAIL N.T.S.

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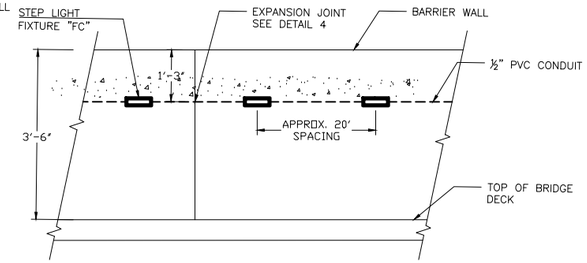
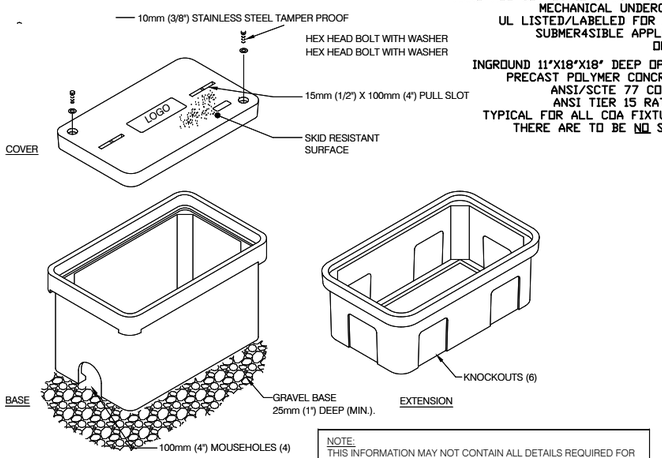


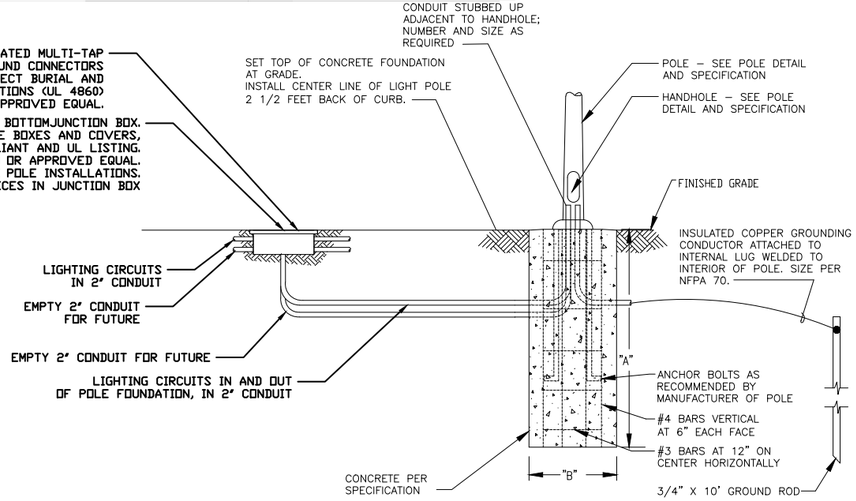
5 25-2002 BARRIER WALL ELEVATION DETAIL N.T.S.



NOTES:
1. PROVIDE STAINLESS HANDHOLE. COVER.
2. PROVIDE 25mm (1") X 10mm (3/8") BELL PULL SLOT FOR EACH HANDHOLE.

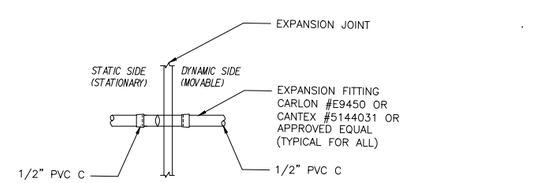
NOTE:
THIS INFORMATION MAY NOT CONTAIN ALL DETAILS REQUIRED FOR CONSTRUCTION. APPROPRIATE MODIFICATION MAY BE REQUIRED TO ENSURE SUITABILITY OF THESE DRAWINGS FOR THE SPECIFIC APPLICATION. IT IS THE USER'S RESPONSIBILITY TO ENSURE INSTALLATION OF THE EQUIPMENT/SYSTEM IS IN ACCORDANCE WITH BUILDING/PROJECT SPECIFICATIONS, APPLICABLE CODES AND STANDARDS.

6 25-2002 TYPICAL HAND HOLE DETAIL N.T.S.

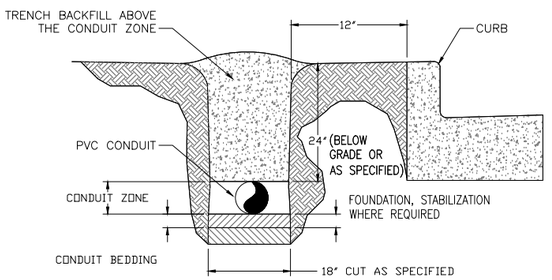


POLE HEIGHT	A	B
8'-12'	36"	12"
13'-20'	42"	16"
21'-30'	72"	24"
31'-40'	78"	30"

7 25-2002 COA FIXTURE CONCRETE FOUNDATION DETAIL N.T.S.



4 25-2002 EXPANSION FITTING DETAIL N.T.S.



8 25-2002 TYPICAL TRENCH DETAIL N.T.S.

GEORGIA REGISTERED NO. 21597 PROFESSIONAL ENGINEER STEVELT POWELL

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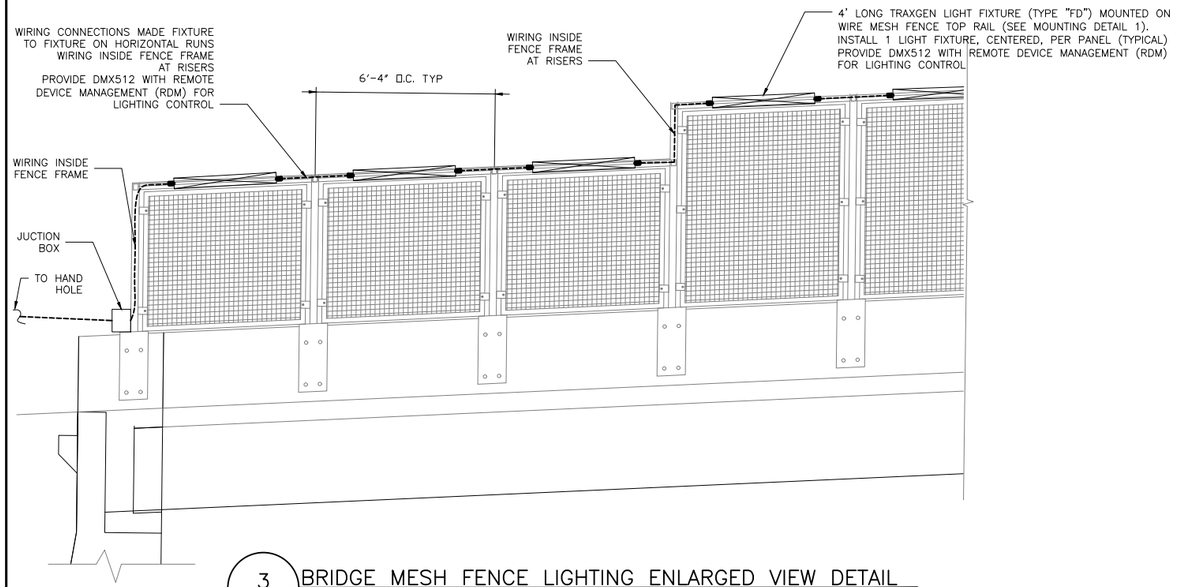
Atlanta, GA 30308

REVISION DATES		

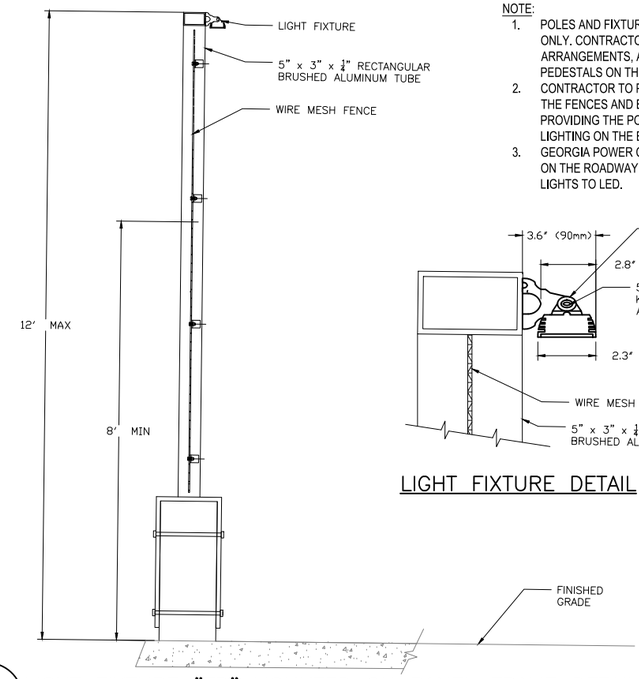
10th STREET BRIDGE
LIGHTING DETAILS

CHECKED:	RP	DATE:	5/19/2023	DRAWING No.
BACKCHECKED:		DATE:		25-2002
CORRECTED:		DATE:		
VERIFIED:		DATE:		

				P.I. No.
			GDOT	0015890



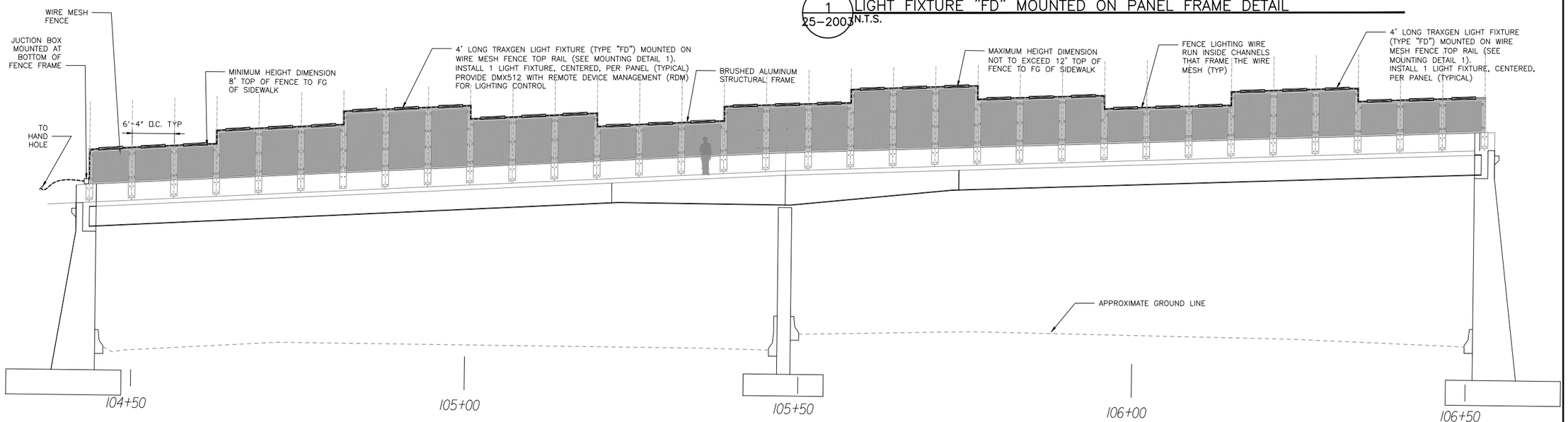
3 25-2003 BRIDGE MESH FENCE LIGHTING ENLARGED VIEW DETAIL
N.T.S.



1 25-2003 LIGHT FIXTURE "FD" MOUNTED ON PANEL FRAME DETAIL
N.T.S.

NOTE:
1. POLES AND FIXTURES ON THE STREET SECTIONS ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR TO PROVIDE ONLY LIGHT POLE FOUNDATIONS AND CONDUIT ARRANGEMENTS, AS WELL AS REMOVE STREETLIGHT CIRCUITS FROM METER PEDESTALS ON THE ROADWAY SECTIONS OF THE PROJECT.
2. CONTRACTOR TO PROVIDE ALL NEW LIGHT WORK AND SPECIALTY LIGHTING FOR THE FENCES AND BARRIERS ON THE 10TH STREET BRIDGE. THIS WORK INCLUDES PROVIDING THE POWER SERVICE POINT, CONDUIT AND WIRING FOR ALL NEW LIGHTING ON THE BRIDGE.
3. GEORGIA POWER COMPANY WILL PROVIDE POLES, LIGHT FIXTURES AND WIRING ON THE ROADWAY SECTIONS OF THE PROJECT AND RETROFITTING OF EXISTING LIGHTS TO LED.

LIGHT FIXTURE DETAIL



2 25-2003 BRIDGE MESH FENCE ELEVATION VIEW (TYPICAL, NORTH AND SOUTH SIDE OF BRIDGE)
N.T.S.

GEORGIA REGISTERED NO. 21597 PROFESSIONAL ENGINEER ROBERT PAUL POWELL

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Atlanta, GA 30308

REVISION DATES		

10th STREET BRIDGE
LIGHTING DETAILS

CHECKED:	RP	DATE: 5/19/2023	DRAWING No.
BACKCHECKED:		DATE:	25-2003
CORRECTED:		DATE:	
VERIFIED:		DATE:	

P.I. No. 0015890

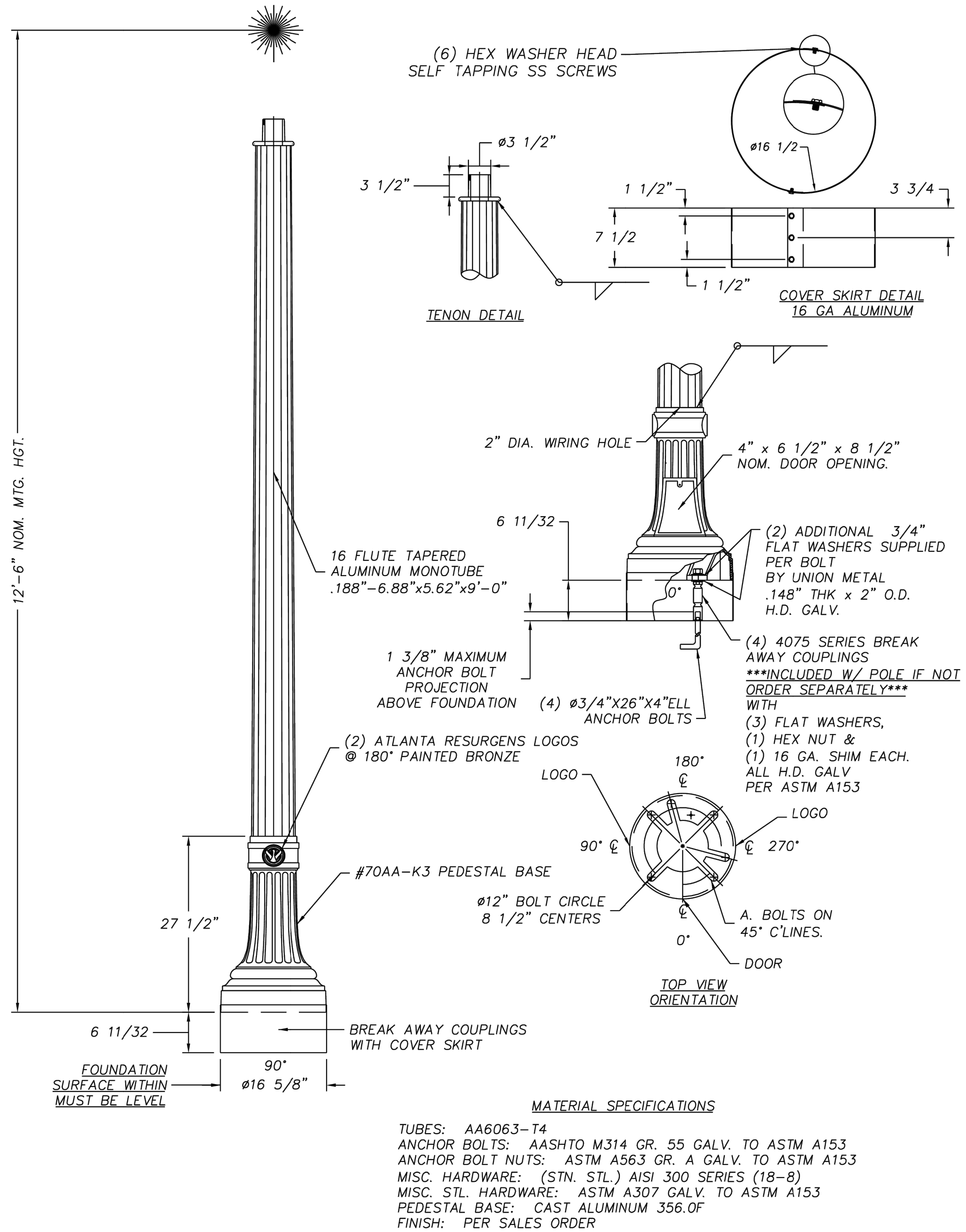
NOTE:

MILBANK CP3B "SL" SWITCHED LOAD CENTER COMMERCIAL, METER PEDESTAL, 120/208 VOLT OR 120/240 VOLT 1 PHASE, 3 WIRE. OR OTHER SUPPLY VOLTAGE AS REQUIRED.

THE METER PEDESTAL TO BE MILBANK #CP38 "SL" SERIES COMMERCIAL METER PEDESTAL OR PRIOR APPROVED EQUAL. INCLUDED WILL BE THE FOLLOWING MOUNTING PEDESTAL, WITH ANCHOR BOLTS:
#CP-PE-HOA-3 POS-HOA SWITCH
#CP-PE-TYPE 5-2 POS PE CONTROL KIT

PROVIDE WITH A SURGE SUPPRESSOR 130,000A PER PHASE (MIN) TYPICAL TO ASCO #510-VOLTAGE-P-13-A-W=A=J=1=0 OR APPROVED.

METER PEDESTAL SHALL HAVE AMP 2 POLE MAIN CIRCUIT BREAKER. METER PEDESTAL TO BE FULLY RATED 22K AIC.



MATERIAL SPECIFICATIONS

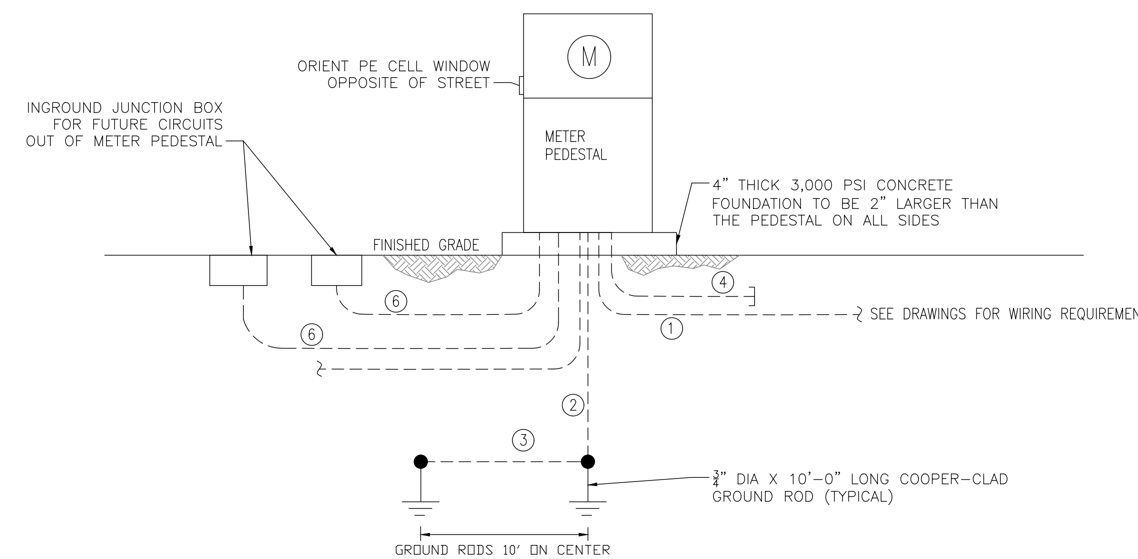
TUBES: AA6063-T4
ANCHOR BOLTS: AASHTO M314 GR. 55 GALV. TO ASTM A153
ANCHOR BOLT NUTS: ASTM A563 GR. A GALV. TO ASTM A153
MISC. HARDWARE: (STN. STL.) AISI 300 SERIES (18-8)
MISC. STL. HARDWARE: ASTM A307 GALV. TO ASTM A153
PEDESTAL BASE: CAST ALUMINUM 356.0F
FINISH: PER SALES ORDER

3 / 25-2004 "AFC"LIGHT FIXTURE POLE DETAIL (COA "C" FIXTURE)
N.T.S.

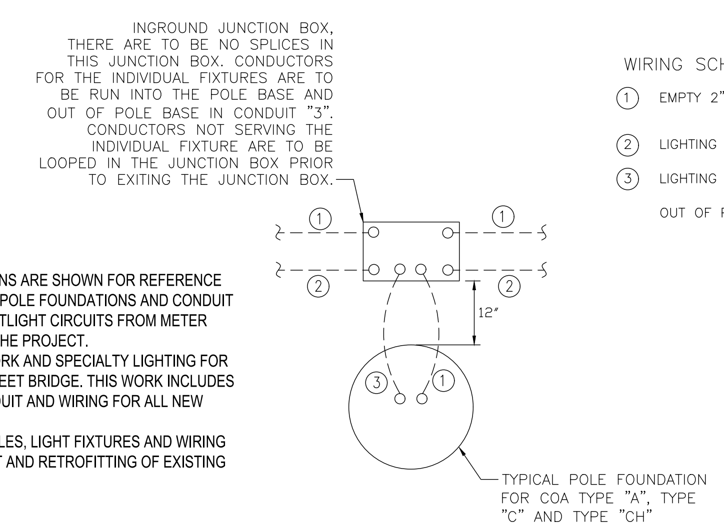
WIRING SCHEDULE:

1. SEE DRAWING FOR WIRING.
2. 1#6G IN ¾" PVC
3. #6
4. ¾" EMPTY CONDUIT., STUB OUT AND CAP 5" FROM PAD.
5. EMPTY 3" CONDUIT FOR GEORGIA POWER COMPANY SERVICE CONDUCTORS.
6. 2" EMPTY CONDUIT, STUB OUT INTO GROUND JUNCTION BOX. INGROUND JUNCTION BOX TO BE PLACED AT LEASE 5' FROM PEDESTAL.

ALL CONDUCTORS ARE TO BE COPPER UNLESS OTHERWISE NOTED.



1 / 25-2004 METER PEDESTAL ONE LINE DIAGRAM
N.T.S.



WIRING SCHEDULE:

1. EMPTY 2" CONDUIT FOR FUTURE
2. LIGHTING CIRCUIT CONDUCTORS IN 2" C.
3. LIGHTING CIRCUIT CONDUCTORS (IN AND OUT OF POLE FOUNDATION) IN 2" C.

NOTE:

1. POLES AND FIXTURES ON THE STREET SECTIONS ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR TO PROVIDE ONLY LIGHT POLE FOUNDATIONS AND CONDUIT ARRANGEMENTS, AS WELL AS REMOVE STREETLIGHT CIRCUITS FROM METER PEDESTALS ON THE ROADWAY SECTIONS OF THE PROJECT.
2. CONTRACTOR TO PROVIDE ALL NEW LIGHT WORK AND SPECIALTY LIGHTING FOR THE FENCES AND BARRIERS ON THE 10TH STREET BRIDGE. THIS WORK INCLUDES PROVIDING THE POWER SERVICE POINT, CONDUIT AND WIRING FOR ALL NEW LIGHTING ON THE BRIDGE.
3. GEORGIA POWER COMPANY WILL PROVIDE POLES, LIGHT FIXTURES AND WIRING ON THE ROADWAY SECTIONS OF THE PROJECT AND RETROFITTING OF EXISTING LIGHTS TO LED.

2 / 25-2004 COA FIXTURE/ POLE TYPICAL WIRING DETAIL
N.T.S.

GEORGIA REGISTERED PROFESSIONAL ENGINEER NO. 21500

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REVISION DATES

10th STREET BRIDGE
LIGHTING DETAILS

CHECKED:	RP	DATE:	5/19/2023
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No.
25-2004

LIGHT FIXTURE SCHEDULE

FIXTURE TYPE	DESCRIPTION	MANUFACTURER	MODEL NO.	INPUT VOLTAGE	LAMPS			MOUNTING AND/OR MOUNTING HEIGHT	SEE DETAIL
					No.	WATTAGE	TYPE		
FA	POLE MOUNTED STREET LIGHT FIXTURE	GE, LUMEC, AEL OR AN APPROVED EQUAL	GE LIGHTING #ERLH-0-15-G 1 -30-A-CODA GREEN W/HAPCO #875832 CODA GREEN POLE OR /LUMEC #RFM-1 60W-48 LED-3K-T-R3M-UNIV-DMG-RCD7-CODA GREEN W/ACC-RFS-RFM-RFL-UNIV-PH8 W/ UNION METAL #P09-8157 CODA GREEN POLE OR AEL #ATB2-40BLED10-MVOLT-R2-3K-CMC-RFD20942(CODAGREEN) -P7-PCSS, W/HOLOPHANE #RTA32-8MA-Y207D-TBASE-AB-27-4-RFD444803POLE	240	1	161	LED	POLE MOUNTED AT 30' HEIGHT	SEE DETAILS 1, 2 & 3/25-2001
FAX	POLE MOUNTED STREET LIGHT FIXTURE	GE, LUMEC, AEL OR AN APPROVED EQUAL	GE LIGHTING #ERLH-0-15-G 1 -30-A-CODA GREEN W/HAPCO #875832 CODA GREEN POLE OR /LUMEC #RFM-1 60W-48 LED-3K-T-R3M-UNIV-DMG-RCD7-CODA GREEN W/ACC-RFS-RFM-RFL-UNIV-PH8 W/ UNION METAL #P09-8157 CODA GREEN POLE OR AEL #ATB2-40BLED10-MVOLT-R2-3K-CMC-RFD20942(CODAGREEN) -P7-PCSS, W/HOLOPHANE #RTA32-8MA-Y207D-TBASE-AB-27-4-RFD444803POLE	240	1	161	LED	POLE MOUNTED AT 30' HEIGHT	SEE DETAILS 1, 2 & 3/25-2001
FC	STEP LIGHT FIXTURE	BEGA	24065-K4, BLK.	240	1	11	LED	WALL MOUNTED AT APPROXIMATELY 27" HEIGHT	SEE DETAILS 3, 4 & 5/25-2002
FD	LED STRIP LIGHT FIXTURE	TRAXON	ProPoint Lineax HO (48W) 4' RGBW 25° PP:L1.944431	240	20	48	LED	MOUNT ON TOP OF FRAMING FOR WIRE MESH WALL. PROVIDE DMX512 WITH REMOTE DEVICE MANAGEMENT (RDM) FOR LIGHTING CONTROL. INSTALL CONTROL IN POWER SERVICE CABINET.	SEE DETAILS 1, 2 & 3/25-2003
FX1	EXISTING POLE MOUNTED STREET LIGHT FIXTURE (COA TYPE "CH" FIXTURE)	GE, LUMEC, AEL OR AN APPROVED EQUAL	GE LIGHTING #ERLH-0-1 5-G 1-30-A-CODA GREEN OR /LUMEC #RFM-1 60W-48 LED-3K-T-R3M-UNIV-DMG-RCD7-CODA GREEN W/ACC-RFS-RFM-RFL-UNIV-PH8 OR AEL #ATB2-40BLED10-MVOLT-R2-3K - CMC-RFD20942(CODA GREEN) -P7-PCSS	240	1	161	LED	POLE MOUNTED AT 30' HEIGHT	SEE DETAILS 2 & 3/25-2001
FX2	EXISTING POLE MOUNTED STREET LIGHT FIXTURE	GE, LUMEC, AEL OR AN APPROVED EQUAL	GE LIGHTING #ERLH-0-1 5-G 1-30-A-CODA GREEN OR /LUMEC #RFM-1 60W-48 LED-3K-T-R3M-UNIV-DMG-RCD7-CODA GREEN W/ACC-RFS-RFM-RFL-UNIV-PH8 OR AEL #ATB2-40BLED10-MVOLT-R2-3K - CMC-RFD20942(CODA GREEN) -P7-PCSS	240	1	161	LED	POLE MOUNTED AT 30' HEIGHT	SEE DETAILS 2 & 3/25-2001
FX3	EXISTING POLE MOUNTED STREET LIGHT FIXTURE (COA TYPE "A" FIXTURE)	GE, LUMEC, AEL OR AN APPROVED EQUAL	GE LIGHTING #ERLH-0-1 5-G 1-30-A-CODA GREEN OR /LUMEC #RFM-1 60W-48 LED-3K-T-R3M-UNIV-DMG-RCD7-CODA GREEN W/ACC-RFS-RFM-RFL-UNIV-PH8 OR AEL #ATB2-40BLED10-MVOLT-R2-3K - CMC-RFD20942(CODA GREEN) -P7-PCSS	240	1	161	LED	POLE MOUNTED AT 30' HEIGHT	SEE DETAILS 2 & 3/25-2001
FX4	EXISTING POLE MOUNTED LED STREET LIGHT FIXTURE	GE, LUMEC, AEL OR AN APPROVED EQUAL	GE LIGHTING #ERLH-0-1 5-G 1-30-A-CODA GREEN OR /LUMEC #RFM-1 60W-48 LED-3K-T-R3M-UNIV-DMG-RCD7-CODA GREEN W/ACC-RFS-RFM-RFL-UNIV-PH8 OR AEL #ATB2-40BLED10-MVOLT-R2-3K - CMC-RFD20942(CODA GREEN) -P7-PCSS	240	1	161	LED	POLE MOUNTED AT 30' HEIGHT	SEE DETAILS 2 & 3/25-2001
FHX	EXISTING HIGH MAST LIGHT FIXTURE							6 - FIXTURE HIGH MAST LIGHT FIXTURE, MOUNTED AT APPROXIMATELY 100'	NO CHANGE
AFC	COA POLE MOUNTED PEDESTRIAN LIGHT	HOLOPHANE PHILIPS HADCO KING LUMINAIRE OR AN APPROVED EQUAL	HOLOPHANE #AWDE2-P30-30K -AS-M-CMC-5-F-P-RBM-CMC CODA GREEN W/HOLOPHANE #NY(11,42)/17CIT-CA/CM-BC(0.75X12.0ALT45)-3T3-CLO/CS BEARING PLT BREAKCOUP AB-31 -4 RFD456374 CODA GREEN POLE OR /PHILIPS HADCO #C 13991A-4000K -CODA GREEN W/HAPCO #835466-CODA GREEN OR /KING LUMINAIRE #K1 34R -R1AR-V-10D(SSL)-1063-1 20:277V-K 14-PR -TAW-3K -SMOOTH CODA GREEN FINISH W/UNION METAL #N1571 -70-8107-CODA GREEN	240	1	61	LED	POLE MOUNTED AT 14' HEIGHT , ALL ALUMINUM TAPERED POLE WITH FLUTED BASE DESIGN	SEE DETAILS 4/25-2001 & 3/25-2004
AFX	EXISTING POLE MOUNTED PEDESTRIAN LIGHT	HOLOPHANE PHILIPS HADCO KING LUMINAIRE OR AN APPROVED EQUAL	HOLOPHANE #AWDE2-P30-30K -AS-M-CMC-5-F-P-RBM-CMC CODA GREEN OR /PHILIPS HADCO #C1 3991A-3000K -CODA GREEN OR /KING LUMINAIRE #K 134R-R1AR-V-10D(SSL)-1063-1 20:277V -K 14-PR -TAW-3K -SMOOTH CODA GREEN FINISH	240	1	61	LED	POLE MOUNTED AT 14' HEIGHT , ALL ALUMINUM TAPERED POLE WITH FLUTED BASE DESIGN	CONVERT HID FIXTURE TO LED SEE DETAIL 4/25-2001
FGT	EXISTINGGEORGIA TECH POLE MOUNTED STREET LIGHT FIXTURE							MOUNTED ON EXISTING POLE, APPROXIMATELY 30' HIGH	NO CHANGE

LIGHT FIXTURE I.D. AND LOCATION

TAG	STATION NO.	OFFSET	STREET/ROAD/PATH	DESCRIPTION
AFC-001	314+00.00	24'-10" R	Williams St.	
AFC-002	315+01.00	24'-10" R	Williams St.	
AFC-003	315+58.00	24'-10" R	Williams St.	
AFC-004	200+67.00	21'-0" L	Techwood Drive	
AFC-005	201+47.00	21'-0" L	Techwood Drive	
AFC-006	202+07.00	21'-0" L	Techwood Drive	
AFC-007	202+97.00	21'-0" L	Techwood Drive	
FA-001	309+34.00	23'-8" R	Williams St.	
FA-002	314+45.00	24'-6" R	Williams St.	
FA-003	316+27.00	24'-6" R	Williams St.	
FA-004	317+78.00	37'-11" R	Williams at 12th St.	
FC-001	104+74.00	34'-0" R	10th St. Bridge South Barrier Wall	
FC-002	104+94.00	34'-0" R	10th St. Bridge South Barrier Wall	
FC-003	105+13.00	34'-0" R	10th St. Bridge South Barrier Wall	
FC-004	105+33.00	34'-0" R	10th St. Bridge South Barrier Wall	
FC-005	105+52.00	34'-0" R	10th St. Bridge South Barrier Wall	
FC-006	105+72.00	34'-0" R	10th St. Bridge South Barrier Wall	
FC-007	105+92.00	34'-0" R	10th St. Bridge South Barrier Wall	
FC-008	106+12.00	34'-0" R	10th St. Bridge South Barrier Wall	
FC-009	104+74.00	45'-0" L	10th St. Bridge North Barrier Wall	
FC-010	104+94.00	45'-0" L	10th St. Bridge North Barrier Wall	
FC-011	105+13.00	45'-0" L	10th St. Bridge North Barrier Wall	
FC-012	105+33.00	45'-0" L	10th St. Bridge North Barrier Wall	
FC-013	105+52.00	45'-0" L	10th St. Bridge North Barrier Wall	
FC-014	105+72.00	45'-0" L	10th St. Bridge North Barrier Wall	
FC-015	105+92.00	45'-0" L	10th St. Bridge North Barrier Wall	
FC-016	106+12.00	45'-0" L	10th St. Bridge North Barrier Wall	
FD			North Wire Screen Wall - 10th St. Bridge	See Details Sheet 25-2003
FD			South Wire Screen Wall - 10th St, Bridge	See Details Sheet 25-2003

NOTE:
1. POLES AND FIXTURES ON THE STREET SECTIONS ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR TO PROVIDE ONLY LIGHT POLE FOUNDATIONS AND CONDUIT ARRANGEMENTS, AS WELL AS REMOVE STREETLIGHT CIRCUITS FROM METER PEDESTALS ON THE ROADWAY SECTIONS OF THE PROJECT.
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GEORGIA REGISTERED NO. 21552 PROFESSIONAL ENGINEER EVELYN POWELL

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REVISION DATES

10th STREET BRIDGE
SCHEDULES

CHECKED:	RP	DATE:	5/19/2023	DRAWING No.
BACKCHECKED:		DATE:		25-2005
CORRECTED:		DATE:		
VERIFIED:		DATE:		

LIGHTING MATERIAL			
ITEM NO.	ITEM DESCRIPTION	UNITS	QUANTITY
500-3101	CLASS A CONCRETE	CY	10
511-1000	BAR REINF STEEL	LB	1,038
680-6130	LUMINAIRE TYPE "FC" (SEE LIGHT FIXTURE SCHEDULE)	EA	16
680-6130	LUMINAIRE TYPE "FD" (SEE LIGHT FIXTURE SCHEDULE)	EA	66
682-6110	CONDUIT, RIGID, 1 IN	LF	200
682-6219	CONDUIT, NONMETL, TP 2, 1 IN	LF	1,800
682-6222	CONDUIT, NONMETL, TP 2, 2 IN	LF	5,600
682-9021	ELECTRICAL JUNCTION BOX, CONC GROUND MOUNTED	EA	2
682-9023	ELECTRICAL JUNCTION BOX, GALVANIZED, 4" SQUARE X 2 1/8"	EA	4
682-2110	POWER SERVICE CABINET (SEE DETAILS 1 & 2/25-2002 & 1/25-2004)	EA	2
682-9020	HANDHOLE	EA	12
682-9950	DIRECTIONAL BORE - STREET CROSSINGS	LF	600

NOTE:

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Existing Light Fixture Schedule				
Fixture ID	Type	Mounting	Mounting Height (FT)	Comments
FX1-001		Pole	30	Replace Existing HID with LED Light Fixture, Pole Remains
FX1-002		Pole	30	Replace Existing HID with LED Light Fixture, Pole Remains
FX1-003		Pole	30	Replace Existing HID with LED Light Fixture, Pole Remains
FAX-001		Pole	30	Replace Existing HID with LED Light Fixture, Pole Remains
FAX-002		Pole	30	Replace Existing HID with LED Light Fixture, Pole Remains
FAX-003		Pole	30	Replace Existing HID with LED Light Fixture, Pole Remains
FX1-007		Pole	30	Replace Existing HID with LED Light Fixture, Pole Remains
FX1-008		Pole	30	Replace Existing HID with LED Light Fixture, Pole Remains
FX1-009		Pole	30	Replace Existing HID with LED Light Fixture, Pole Remains
FX1-010		Pole	30	Replace Existing HID with LED Light Fixture, Pole Remains
FX1-011		Pole	30	Replace Existing HID with LED Light Fixture, Pole Remains
FX1-012		Pole	30	Replace Existing HID with LED Light Fixture, Pole Remains
FX1-013		Pole	30	Replace Existing HID with LED Light Fixture, Pole Remains
FX1-014		Pole	30	Replace Existing HID with LED Light Fixture, Pole Remains
FX1-015		Pole	30	Replace Existing HID with LED Light Fixture, Pole Remains
FX1-016		Pole	30	Replace Existing HID with LED Light Fixture, Pole Remains
FX1-017		Pole	30	Replace Existing HID with LED Light Fixture, Pole Remains
FX1-018		Pole	30	Replace Existing HID with LED Light Fixture, Pole Remains
FX1-019		Pole	30	Replace Existing HID with LED Light Fixture, Pole Remains
FX1-020		Pole	30	Replace Existing HID with LED Light Fixture, Pole Remains
FX1-021		Pole	30	Replace Existing HID with LED Light Fixture, Pole Remains
FX1-022		Pole	30	Replace Existing HID with LED Light Fixture, Pole Remains
FX1-023		Pole	30	Replace Existing HID with LED Light Fixture, Pole Remains
FX1-024		Pole	30	Replace Existing HID with LED Light Fixture, Pole Remains
FX1-025		Pole	30	Replace Existing HID with LED Light Fixture, Pole Remains
FX1-026		Pole	30	Replace Existing HID with LED Light Fixture, Pole Remains
FX1-027		Pole	30	Replace Existing HID with LED Light Fixture, Pole Remains
FX1-028		Pole	30	Replace Existing HID with LED Light Fixture, Pole Remains
FX1-029		Pole	30	Replace Existing HID with LED Light Fixture, Pole Remains
FX1-030		Pole	30	Replace Existing HID with LED Light Fixture, Pole Remains
FX1-031		Pole	30	Replace Existing HID with LED Light Fixture, Pole Remains
FX2-001		Pole		
FX3-001		Pole		Replace Existing With LED Light Fixture, Pole Remains
FX3-002		Pole		Replace Existing With LED Light Fixture, Pole Remains
FX3-003		Pole		Replace Existing With LED Light Fixture, Pole Remains
FX3-004		Pole		Replace Existing With LED Light Fixture, Pole Remains
FX4-001		Pole		
AFX-001		Pole	12	Replace Existing With LED Light Fixture, Pole Remains
AFX-002		Pole	12	Replace Existing With LED Light Fixture, Pole Remains
AFX-003		Pole	12	Replace Existing With LED Light Fixture, Pole Remains
AFX-004		Pole	12	Replace Existing With LED Light Fixture, Pole Remains
AFX-005		Pole	12	Replace Existing With LED Light Fixture, Pole Remains
AFX-006		Pole	12	Replace Existing With LED Light Fixture, Pole Remains
AFX-007		Pole	12	Replace Existing With LED Light Fixture, Pole Remains
AFX-008		Pole	12	Replace Existing With LED Light Fixture, Pole Remains
AFX-009		Pole	12	Replace Existing With LED Light Fixture, Pole Remains
AFX-010		Pole	12	Replace Existing With LED Light Fixture, Pole Remains
AFX-011		Pole	12	Replace Existing With LED Light Fixture, Pole Remains
AFX-012		Pole	12	Replace Existing With LED Light Fixture, Pole Remains
AFX-013		Pole	12	Replace Existing With LED Light Fixture, Pole Remains
FHX-001		Pole	100	

NOTE:

1. GEORGIA POWER COMPANY WILL PROVIDE REPLACEMENT LIGHT FIXTURES AND WIRING.

GEORGIA REGISTERED PROFESSIONAL ENGINEER NO. 21... ...EVELT POWELL

RPA
R. POWELL & ASSOCIATES, INC.
ENGINEERING CONSULTANTS
1312 KILLIAN WAY
LILBURN, GEORGIA 30047
PHONE: 770-806-0143

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 601, 817 West Peachtree Street, NW
Atlanta, GA 30308

REVISION DATES

10th STREET BRIDGE
SCHEDULES

CHECKED:	RP	DATE:	5/19/2023
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No.
25-2006

NOTE:
1. POLES AND FIXTURES ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR TO PROVIDE ONLY LIGHT POLE FOUNDATIONS AND CONDUIT ARRANGEMENTS.
2. GEORGIA POWER COMPANY WILL PROVIDE POLES, LIGHT FIXTURES AND WIRING.

PANEL PSC01L

VOLTAGE (L–N):	120	ENCLOSURE TYPE:	----
VOLTAGE (L–L):	240	MOUNTING:	SURFACE
PHASES, WIRES:	1 ϕ 3 W	AIC RATING (A):	0
MINIMUM BUS CAPACITY (A):	100 A	NOTES:	
MAIN O.C. DEVICE (A):	100 A		

CKT NO	DESCRIPTION	TRIP AMPS	POLE	PHASE LOADS (VA) A		PHASE LOADS (VA) B		POLE	TRIIP AMPS	DESCRIPTION	CKT NO
1,3	MAIN CIRCUITT BREAKER	20	2	0	0			1	20	Lighting Controls	2
1,3	MAIN CIRCUITT BREAKER	20	2			0	0	1	20	----	4
5	Cabinet Rcpt	20	1	180	0			1	20	----	6
7	Cabinet Lgt	20	1			100	0	1	20	----	8
9,11	----	20	2	0	4480			2	100	PANEL PSC01H	10,12
9,11	----	20	2			0	4480	2	100	PANEL PSC01H	10,12
13,15	----	20	2	0	0			2	20	----	14,16
13,15	----	20	2			0	0	2	20	----	14,16
				CONNECTED LOAD PHASE TOTALS (VA)							
				4660		4580					

	CONNECTED LOAD (KVA)	DEMAND FACTOR
Lighting	9.1	1.25
Receptacles (0 – 10 KVA)	0.2	1.00
Transformers	0.0	1.25
TOTAL:	9.2	
LOAD (AMPS):	38.5	

DEMAND LOAD	11.5 KVA
SPARE CAPACITY	12.5 KVA
SPARE CAPACITY	52.1 AMPS
SPARE CAPACITY	52 %
PHASE BALANCE	
A TO B	98 %
B TO C	0 %
C TO A	0 %

PANEL PSC02L

VOLTAGE (L–N):	120	ENCLOSURE TYPE:	----
VOLTAGE (L–L):	240	MOUNTING:	SURFACE
PHASES, WIRES:	1 ϕ 3 W	AIC RATING (A):	0
MINIMUM BUS CAPACITY (A):	100 A	NOTES:	
MAIN O.C. DEVICE (A):	100 A		

CKT NO	DESCRIPTION	TRIP AMPS	POLE	PHASE LOADS (VA) A		PHASE LOADS (VA) B		POLE	TRIIP AMPS	DESCRIPTION	CKT NO
1,3	MAIN CIRCUIT BREAKER	20	2	0	0			1	20	Lighting Controls	2
1,3	MAIN CIRCUIT BREAKER	20	2			0	0	1	20	----	4
5	Cabinet Rcpt	20	1	180	0			1	20	----	6
7	Cabinet Lgt	20	1			100	0	1	20	----	8
9,11	Street Lgts	20	2	644	183			2	100	PANEL PSC02H	10,12
9,11	Street Lgts	20	2			644	183	2	100	PANEL PSC02H	10,12
13,15	----	20	2	0	0			2	20	----	14,16
13,15	----	20	2			0	0	2	20	----	14,16
				CONNECTED LOAD PHASE TOTALS (VA)							
				1007		927					

	CONNECTED LOAD (KVA)	DEMAND FACTOR
Lighting	1.8	1.25
Receptacles (0 – 10 KVA)	0.2	1.00
Transformers	0.0	1.25
TOTAL:	1.9	
LOAD (AMPS):	8.1	

DEMAND LOAD	2.4 KVA
SPARE CAPACITY	21.6 KVA
SPARE CAPACITY	90.1 AMPS
SPARE CAPACITY	90 %
PHASE BALANCE	
A TO B	92 %
B TO C	0 %
C TO A	0 %

PANEL PSC01H

VOLTAGE (L–N):	120	ENCLOSURE TYPE:	----
VOLTAGE (L–L):	240	MOUNTING:	SURFACE
PHASES, WIRES:	1 ϕ 3 W	AIC RATING (A):	0
MINIMUM BUS CAPACITY (A):	100 A	NOTES:	
MAIN O.C. DEVICE (A):	100 A		

CKT NO	DESCRIPTION	TRIP AMPS	POLE	PHASE LOADS (VA) A		PHASE LOADS (VA) B		POLE	TRIIP AMPS	DESCRIPTION	CKT NO
1,3	PED LGTS	20	2	272	176			2	20	BARIER LGTS	2,4
1,3	PED LGTS	20	2			272	176	2	20	BARIER LGTS	2,4
5,7	N WALL LGTS	20	2	864	864			2	20	S WALL LGTS	6,8
5,7	N WALL LGTS	20	2			864	864	2	20	S WALL LGTS	6,8
9,11	N WALL LGTS	20	2	1152	1152			2	20	S WALL LGTS	10,12
9,11	N WALL LGTS	20	2			1152	1152	2	20	S WALL LGTS	10,12
13,15	----	20	2	0	0			2	20	----	14,16
13,15	----	20	2			0	0	2	20	----	14,16
				CONNECTED LOAD PHASE TOTALS (VA)							
				4480		4480					

	CONNECTED LOAD (KVA)	DEMAND FACTOR
Lighting	9.0	1.25
TOTAL:	9.0	
LOAD (AMPS):	37.3	

DEMAND LOAD	11.2 KVA
SPARE CAPACITY	12.8 KVA
SPARE CAPACITY	53.3 AMPS
SPARE CAPACITY	53 %
PHASE BALANCE	
A TO B	100 %
B TO C	0 %
C TO A	0 %

PANEL PSC02H

VOLTAGE (L–N):	120	ENCLOSURE TYPE:	----
VOLTAGE (L–L):	240	MOUNTING:	SURFACE
PHASES, WIRES:	1 ϕ 3 W	AIC RATING (A):	0
MINIMUM BUS CAPACITY (A):	100 A	NOTES:	
MAIN O.C. DEVICE (A):	100 A		

CKT NO	DESCRIPTION	TRIP AMPS	POLE	PHASE LOADS (VA) A		PHASE LOADS (VA) B		POLE	TRIIP AMPS	DESCRIPTION	CKT NO
1,3	Ped Lgts	20	2	183	0			2	20	----	2,4
1,3	Ped Lgts	20	2			183	0	2	20	----	2,4
5,7	----	20	2	0	0			2	20	----	6,8
5,7	----	20	2			0	0	2	20	----	6,8
9,11	----	20	2	0	0			2	20	----	10,12
9,11	----	20	2			0	0	2	20	----	10,12
13,15	----	20	2	0	0			2	20	----	14,16
13,15	----	20	2			0	0	2	20	----	14,16
				CONNECTED LOAD PHASE TOTALS (VA)							
				183		183					

	CONNECTED LOAD (KVA)	DEMAND FACTOR
Lighting	0.4	1.25
TOTAL:	0.4	
LOAD (AMPS):	1.5	

DEMAND LOAD	0.5 KVA
SPARE CAPACITY	23.5 KVA
SPARE CAPACITY	98.1 AMPS
SPARE CAPACITY	98 %
PHASE BALANCE	
A TO B	100 %
B TO C	0 %
C TO A	0 %

GEORGIA REGISTERED NO. 21592 PROFESSIONAL ENGINEER EVELYN POWELL

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REVISION DATES		

10th STREET BRIDGE
SCHEDULES

CHECKED:	RP	DATE:	5/19/2023	DRAWING No.
BACKCHECKED:		DATE:		25-2007
CORRECTED:		DATE:		
VERIFIED:		DATE:		

CITY OF ATLANTA
STREET LIGHT CHECK LIST

- **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 10% 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 10% 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.gov404-291-5053• Curtis Williams:cuwilliams@atlantaga.gov470-829-6145• Rawle Gibbs:rgibbs@atlantaga.gov404-831-3507

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 will 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 covered 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. Sternberg
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 48-72 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).

GEORGIA REGISTERED NO. 21597 PROFESSIONAL ENGINEER ROBERT POWELL

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Atlanta, GA 30308

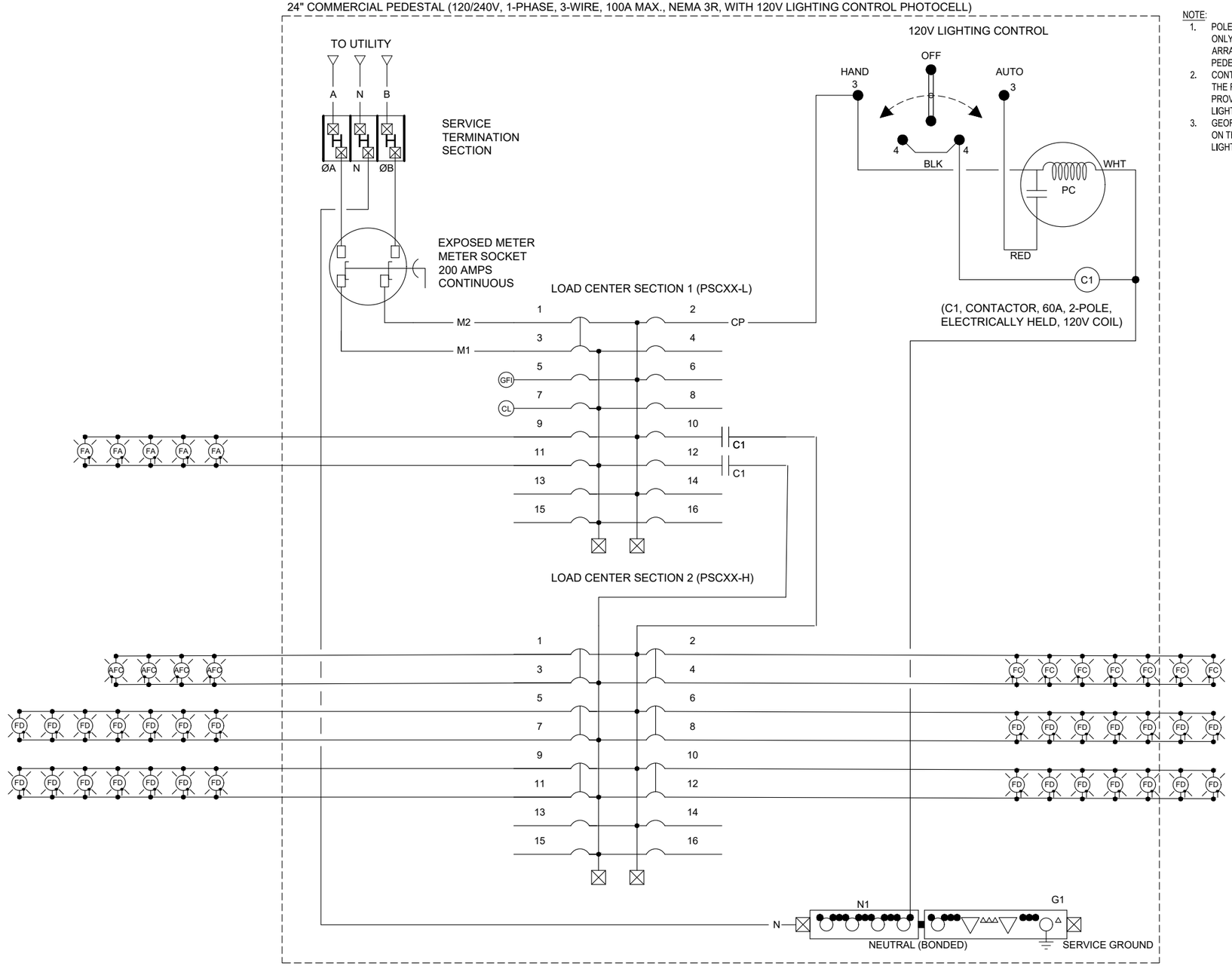
REVISION DATES

10th STREET BRIDGE
SCHEDULES

CHECKED:	RP	DATE:	5/19/2023	DRAWING No.
BACKCHECKED:		DATE:		25-2008
CORRECTED:		DATE:		
VERIFIED:		DATE:		

P.I. No. 0015890

24" COMMERCIAL PEDESTAL (120/240V, 1-PHASE, 3-WIRE, 100A MAX., NEMA 3R, WITH 120V LIGHTING CONTROL PHOTOCELL)



1 LIGHTING WIRING DIAGRAM (TYPICAL)
25-3001 N.T.S.

NOTE:
1. POLES AND FIXTURES ON THE STREET SECTIONS ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR TO PROVIDE ONLY LIGHT POLE FOUNDATIONS AND CONDUIT ARRANGEMENTS, AS WELL AS REMOVE STREETLIGHT CIRCUITS FROM METER PEDESTALS ON THE ROADWAY SECTIONS OF THE PROJECT.
2. CONTRACTOR TO PROVIDE ALL NEW LIGHT WORK AND SPECIALTY LIGHTING FOR THE FENCES AND BARRIERS ON THE 10TH STREET BRIDGE. THIS WORK INCLUDES PROVIDING THE POWER SERVICE POINT, CONDUIT AND WIRING FOR ALL NEW LIGHTING ON THE BRIDGE.
3. GEORGIA POWER COMPANY WILL PROVIDE POLES, LIGHT FIXTURES AND WIRING ON THE ROADWAY SECTIONS OF THE PROJECT AND RETROFITTING OF EXISTING LIGHTS TO LED.

GEORGIA REGISTERED NO. 21597 PROFESSIONAL ENGINEER DEVELT POWELL

RPA
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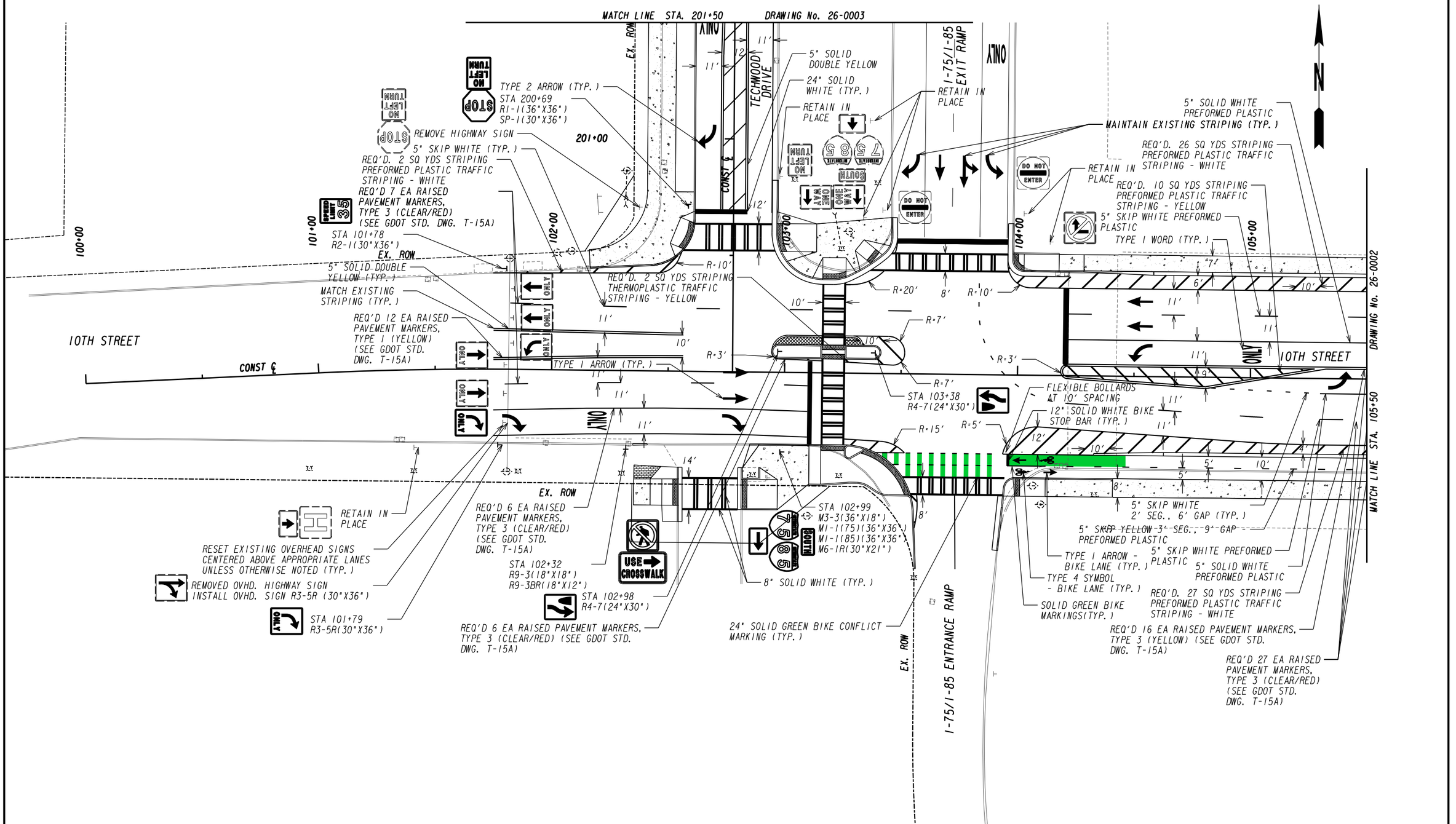
REVISION DATES

10th STREET BRIDGE
WIRING DIAGRAMS

CHECKED:	RP	DATE:	5/19/2023	DRAWING No.
BACKCHECKED:		DATE:		25-3001
CORRECTED:		DATE:		
VERIFIED:		DATE:		



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)

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Atlanta, GA 30308

SCALE IN FEET
0 20 40 80

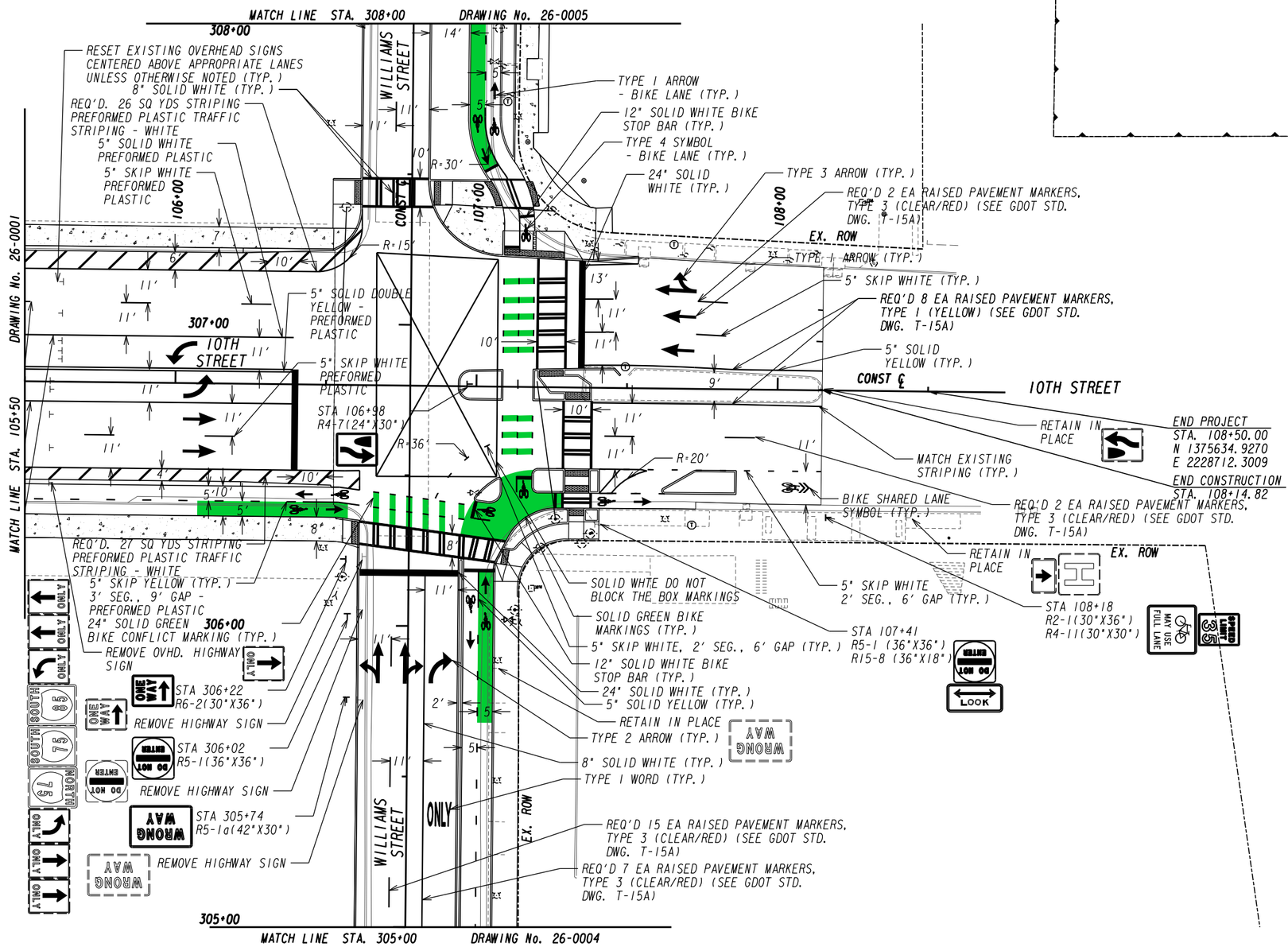
REVISION DATES

SIGNING AND MARKING PLANS
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT

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

DRAWING No. 26-0001

10/23/2015 GPLN



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)

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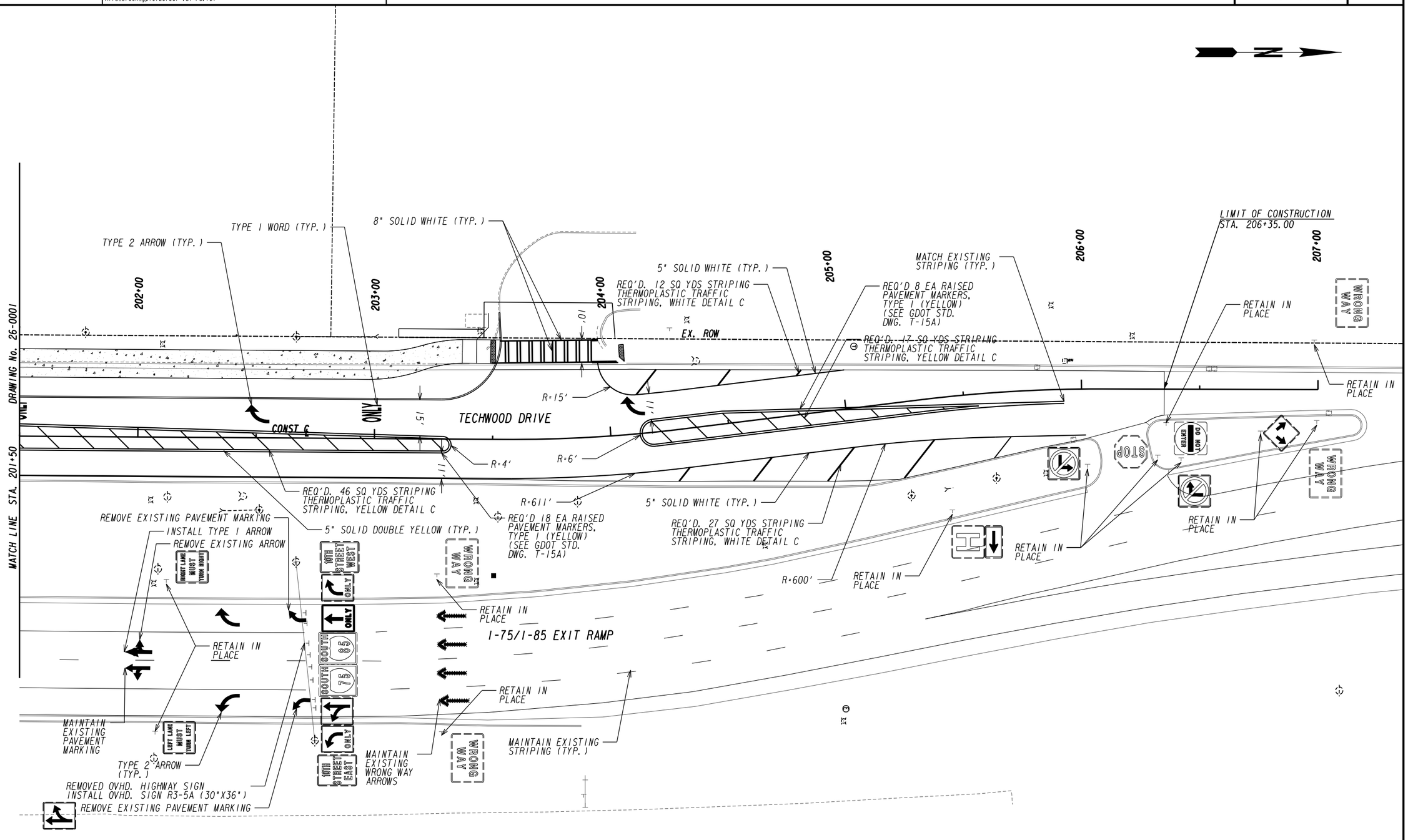
SCALE IN FEET
0 20 40 80

REVISION DATES

SIGNING AND MARKING PLANS
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT

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

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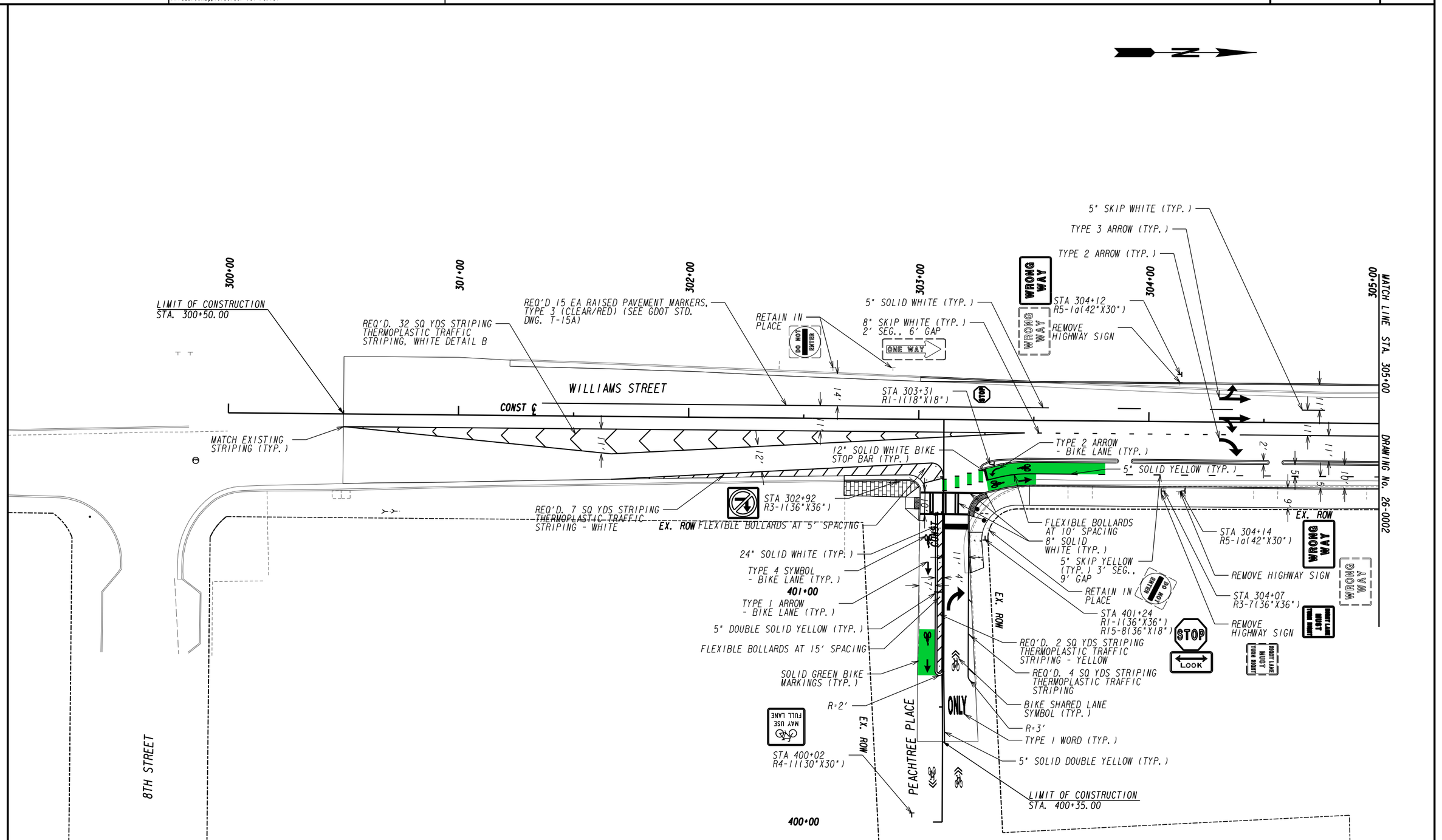
SCALE IN FEET
0 20 40 80

REVISION DATES

SIGNING AND MARKING PLANS
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		26-0003
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)

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SCALE IN FEET
0 20 40 80

REVISION DATES

SIGNING AND MARKING PLANS
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		26-0004
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN

I-75/I-85

I-75/I-85

N

DRAWING No. 26-0002

DRAWING No. 26-0006

MATCH LINE STA. 308+00

MATCH LINE STA. 313+50

308+00 309+00 310+00 311+00 312+00 313+00

CONSTRUCTION TO BE COMPLETED BY OTHERS

REQ'D 46 EA RAISED PAVEMENT MARKERS, TYPE 3 (CLEAR/RED) (SEE GDOT STD. DWG. T-15A)

REMOVE HIGHWAY SIGN

STA 308+04 R2-1(30"X36")

5" SOLID WHITE (TYP.)

5" SKIP WHITE (TYP.)

ONE WAY

STA 309+60 R6-1 (36"X12")

ONE WAY

STA 312+82 R6-1 (36"X12")

CONST ℄

FLEXIBLE BOLLARDS

WILLIAMS STREET

EX. ROW

STA 309+31 R10-15C(R)(30"X36")

TYPE 4 SYMBOL - BIKE LANE (TYP.)

R=9'

TYPE 1 ARROW - BIKE LANE (TYP.)

8" SOLID WHITE (TYP.)

STA 308+04 R2-1(30"X36")

REMOVE HIGHWAY SIGN

STA 311+15 R10-15C(R)(30"X36")

STA 312+43 R10-15C(R)(30"X36")

FLEXIBLE BOLLARDS

STA 312+23 R15-8(36"X18")

LOOK

24" SOLID GREEN BIKE CONFLICT MARKING (TYP.)

GAS

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)

alta Kimley»Horn
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919-360-4222 | altago.com
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Atlanta, GA 30308

SCALE IN FEET
0 20 40 80

REVISION DATES

SIGNING AND MARKING PLANS
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		26-0005
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN

I-75/I-85

I-75/I-85

DRAWING No. 26-0005

MATCH LINE STA. 313+50

314+00

315+00

316+00

317+00

318+00

ONE WAY

RETAIN IN PLACE

TYPE 1 ARROW - BIKE LANE (TYP.)

TYPE 4 SYMBOL - BIKE LANE (TYP.)

WRONG WAY

RETAIN IN PLACE

5" SKIP WHITE (TYP.)

DO NOT ENTER

RETAIN IN PLACE

ONE WAY

RETAIN IN PLACE

LIMIT OF CONSTRUCTION STA. 317+84.26

CONST ℄

WILLIAMS STREET

MATCH EXISTING STRIPING (TYP.)

FLEXIBLE BOLLARDS

EX. ROW

LOOK

STA 313+83
R15-8(36"X18")

24" SOLID GREEN BIKE CONFLICT MARKING (TYP.)

SOLID GREEN BIKE MARKINGS (TYP.)

SPEED LIMIT 25

STA 314+44
R2-1(30"X36")

REMOVE HIGHWAY SIGN

WRONG WAY

STA 315+61
R5-1a(30"X30")

REMOVE HIGHWAY SIGN

5" SKIP YELLOW (TYP.)
3' SEG., 9' GAP

STA 316+35
R5-1(36"X36")
R3-17(24"X18")
R3-17bP(24"X8")

501+00

BIKE LANE ENDS

BIKE LANE MAY USE FULL LANE

REQ'D. 7 SQ YDS STRIPING THERMOPLASTIC TRAFFIC STRIPING - WHITE

5" SOLID WHITE (TYP.)

BIKE SHARED LANE SYMBOL (TYP.)

STA 500+15
R4-11(30"X30")

500+00

EX. ROW

CONST ℄

12TH STREET

8" SOLID WHITE (TYP.)

EX. ROW

24" SOLID WHITE (TYP.)

STOP

RETAIN IN PLACE

BIKE SHARED LANE SYMBOL WITH ANGLED SHARROW (TYP.)

5" DOUBLE SOLID YELLOW (TYP.)

EX. ROW

REQ'D 15 EA RAISED PAVEMENT MARKERS, TYPE I (YELLOW) (SEE GDOT STD. DWG. T-15A)

MATCH EXISTING STRIPING (TYP.)

LIMIT OF CONSTRUCTION STA. 500+15.00

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)

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SCALE IN FEET
0 20 40 80

REVISION DATES

SIGNING AND MARKING PLANS
10TH STREET BRIDGE MULTI-MODAL CONNECTION PROJECT

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		26-0006
VERIFIED:		DATE:		

10/23/2015 GPLN

SIGNAL NOTES

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

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 BEFORE INSTALLATION. MINOR SHIFTS (UP TO A MAXIMUM OF 5 FEET) IN LOCATION OF NEW SIGNAL POLES, AT THE DISCRETION OF THE ENGINEER, ARE ACCEPTABLE TO AVOID UNDERGROUND UTILITIES. MINIMUM CLEARANCES FROM EDGE OF PAVEMENT SHALL BE MAINTAINED. PLACEMENT OF THE SIGNAL HEADS MUST BE RETAINED AS SHOWN ON THE PLANS.

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 LOCATION(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. NEW SIGNAL POLES AND MAST ARMS SHALL MEET REQUIRED ATLANTA DOT SPECIFICATIONS.

7. INSTALLATION IS TO BE CHECKED AND ACCEPTED BY GDOT AND THE CITY TRAFFIC ENGINEER PRIOR TO FINAL ACCEPTANCE. A COMPLETE SET OF WIRING DIAGRAMS SHALL BE FURNISHED TO THE OFFICE OF TRAFFIC & TRANSPORTATION, 68 MITCHELL STREET, SW, ATLANTA, GA 30303, BY THE CONTRACTOR PRIOR TO FINAL ACCEPTANCE.

8. WHEN REMOVED, EXISTING EQUIPMENT SHALL BE DELIVERED BY THE CONTRACTOR TO THE ATLANTA DOT AS DIRECTED BY THE CITY TRAFFIC ENGINEER. DELIVERY OF EQUIPMENT SHALL BE COORDINATED WITH ATLANTA DOT, TRAFFIC OPERATIONS, 404-330-6501.

9. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING POLE FOUNDATION DESIGNS TO THE CITY TRAFFIC ENGINEER AND THE GDOT BRIDGE OFFICE FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.

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

11. IF A GRASSED AREA OR FURNITURE ZONE IS PROVIDED BEHIND THE BACK OF CURB, THE CONTRACTOR SHALL LOCATE SIGNAL AND LIGHT POLES AT THE BACK OF THE GRASSED AREA OR FURNITURE ZONE. IF THESE ZONES DO NOT EXIST, THE CONTRACTOR SHALL LOCATE THE POLES AT THE BACK OF THE SIDEWALK.

12. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS FROM THE ATLANTA DEPARTMENT OF TRANSPORTATION PRIOR TO START OF CONSTRUCTION.

13. THE CONTRACTOR IS TO COORDINATE WITH POWER COMPANY FOR UNDERGROUND SERVICE FEED FOR TRAFFIC SIGNALS.

14. ALL POLES AND MAST ARMS SHALL BE CODA GREEN POWDER COATED, TP IV STEEL STRAIN POLES. ALL EQUIPMENT SHALL BE CODA GREEN POWDER COATED.

15. RADAR DETECTOR UNIT LOCATIONS SHOWN ARE APPROXIMATE AND MAY REQUIRE FIELD ADJUSTMENT BY CONTRACTOR WITH MANUFACTURER'S GUIDANCE.

TRAFFIC SIGNAL LEGEND

EXISTING SIGNAL	PROPOSED SIGNAL
CONTROLLER CABINET	CONTROLLER CABINET
STRAIN POLE	STRAIN POLE
TIMBER POLE	TIMBER POLE
DOWN GUY	DOWN GUY
MAST ARM	MAST ARM
STREET LIGHT ON LUMINAIRE ARM	STREET LIGHT ON LUMINAIRE ARM
3-SECTION HEAD	3-SECTION HEAD W/BACKPLATE
4-SECTION HEAD	4-SECTION HEAD W/BACKPLATE
5-SECTION/T-SHAPED HEAD	5-SECTION/T-SHAPED HEAD W/BACKPLATE
OVERHEAD SIGN	OVERHEAD SIGN
PEDESTAL POLE	PEDESTAL POLE
PEDESTRIAN SIGNAL HEAD	PEDESTRIAN SIGNAL HEAD
SIGN POST	SIGN POST
CURB CUT RAMP	CURB CUT RAMP
DETECTABLE WARNING SURFACE	DETECTABLE WARNING SURFACE
PULLBOX, TP 1	PULLBOX, TP 1
PULLBOX, TP 2	PULLBOX, TP 2
PULLBOX, TP 3	PULLBOX, TP 3
PULLBOX, TP 4/4S	PULLBOX, TP 4/4S
PULLBOX, TP 5/5S	PULLBOX, TP 5/5S
6x6 INDUCTIVE LOOP DETECTOR	6x6 INDUCTIVE LOOP DETECTOR
6x6 VIRTUAL DETECTION ZONE	6x6 VIRTUAL DETECTION ZONE
6x40 INDUCTIVE LOOP DETECTOR	6x40 INDUCTIVE LOOP DETECTOR
6x40 VIRTUAL DETECTION ZONE	6x40 VIRTUAL DETECTION ZONE
6x40 INDUCTIVE LOOP DETECTOR (QUADRUPOLE)	6x40 INDUCTIVE LOOP DETECTOR (QUADRUPOLE)
6x6 MAGNETOMETER SENSOR/DETECTION ZONE	6x6 MAGNETOMETER SENSOR/DETECTION ZONE
CONDUIT	CONDUIT
RAILROAD CONTROLLER	RAILROAD CONTROLLER
SIGN POST	SIGN POST
VIDEO DETECTION CAMERA	VIDEO DETECTION CAMERA
WIRELESS SENSOR	WIRELESS SENSOR
SPP RADIO	SPP RADIO
WIRELESS REPEATER	WIRELESS REPEATER
DIGITAL WAVE RADAR UNIT	DIGITAL WAVE RADAR UNIT

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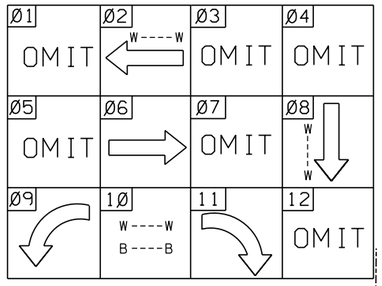
REVISION DATES

SIGNAL PLANS
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT

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

PHASING DIAGRAM



PHASE 9 GREEN CANNOT RUN WITH PHASE 6
PHASE 9 AND 11 FLASHING YELLOW TO BE DEACTIVED AS NEEDED
PHASE 11 CAN RUN WITH PHASES 2 AND 6

INSTALL:
-6'X40' QUADRUPOLE LOOP (TYP.)
- CONNECT TO PULL BOX WITH LOOP/PED LEAD-IN WIRE

INSTALL:
- TP 2 PULL BOX
- CONDUIT, NM, TP 3, 1-2" (30 LF)

INSTALL:
- TP 2 PULL BOX
- CONDUIT, NM, TP 3, 1-2" (30 LF)

INSTALL:
- STEEL STRAIN POLE, TP IV, W/ 65' MONOTUBE MAST ARM
- P2 AND P8 PEDESTRIAN COUNTDOWN SIGNAL HEADS, PUSH BUTTON STATIONS, AND SIGNS
- PULL BOX, TP 3, FLUSH WITH SIDEWALK

REMOVE EXISTING SIGNAL POLE

EXISTING WAVETRONIX ZONES (TYP.)

INSTALL ON PROPOSED MAST ARM:
- EXISTING CCTV SYSTEM.

INSTALL:
- CONDUIT, NM, TP 3, 2-2" (120 LF)
IN 5" DIRECTIONAL BORE (60 LF)

INSTALL:
- PUSH BUTTON POST, PUSH BUTTON STATION AND SIGN
-TP 2 PULL BOX

RECONFIGURE EXISTING WAVETRONIX ZONE FOR PHASE 11

INSTALL:
- CONDUIT, NM, TP 3, 2-2" (120 LF)
IN 5" DIRECTIONAL BORE (60 LF)

EXISTING CABINET TO REMAIN

INSTALL:
- AUXILIARY FILE
- RADAR CABINET INTERFACE TO 2070 CONTROLLER WITH SDLC CABLE
- THERMAL CABINET INTERFACE DEVICE FOR INTERFACE TO 2070 CONTROLLER WITH SDLC CABLE

INSTALL:
- PASSIVE BIKE AND PEDESTRIAN DETECTION UNIT ON PEDESTAL POLE, CONFIGURE FOR PROPOSED ZONE

RETAIN:
- EXISTING PEDESTAL POLE WITH P8 AND P10 LED COUNTDOWN PEDESTRIAN SIGNALS

INSTALL:
- PUSH BUTTON STATIONS AND SIGNS
- PHASE 10 SIGNAL HEAD, TOP-OF-POLE MOUNTED
- SIGN 1

INSTALL:
- CONDUIT, NM, TP 3, 2-2" (180 LF)
IN 5" DIRECTIONAL BORE (90 LF)

INSTALL SIGNS G AND F

RETAIN:
- EXISTING PEDESTAL POLE WITH P2 COUNTDOWN PEDESTRIAN SIGNAL
INSTALL:
- PUSH BUTTON STATION AND SIGN

EXISTING WAVETRONIX DETECTION ZONES RECONFIGURE FOR PROPOSED LANEAGE (TYP.)

REMOVE EXISTING SIGNAL POLE

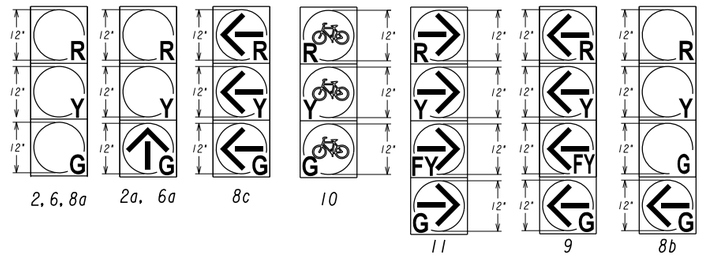
INSTALL:
- PASSIVE BIKE AND PEDESTRIAN DETECTION UNIT ON MAST ARM, CONFIGURE FOR PROPOSED ZONE

INSTALL:
- STEEL STRAIN POLE, TP IV, W/ DUAL 45' AND 60' MONOTUBE MAST ARMS
- P10 PEDESTRIAN COUNTDOWN SIGNAL HEAD, PUSH BUTTON STATION, AND SIGN
- PHASE 10 SIGNAL HEAD ON SIDE OF STRAIN POLE, MOUNTED AT 10' CLEARANCE TO BOTTOM OF SIGNAL HEAD
- SIGN 1
- RELOCATE EXISTING WAVETRONIX UNITS TO PROPOSED MAST ARM, CONFIGURE FOR PROPOSED ZONES
- PASSIVE BIKE AND PEDESTRIAN DETECTION UNIT ON STRAIN POLE, CONFIGURE FOR PROPOSED ZONE.
- PULL BOX, TP 3, FLUSH WITH SIDEWALK

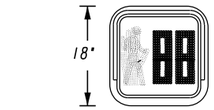
INSTALL SIGNS E AND G

TECHWOOD DRIVE (35 MPH)
I-75/I-85 EXIT RAMP
I-75/I-85 ENTRANCE RAMP
10TH STREET (35 MPH)
EX. ROW
ONLY
WALK
D3-1 (*3)
D3-1 (*2)
D3-1 (*1)

LED INCANDESCENT LOOK SIGNAL HEADS WITH TP IX RETROREFLECTIVE TAPE ON BACKPLATES

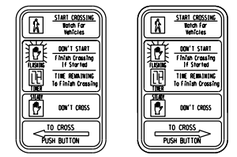


PEDESTRIAN SIGNAL HEADS



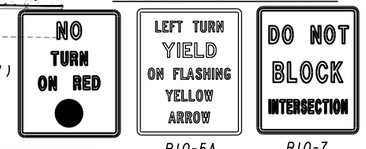
P2, P8, P10

PEDESTRIAN SIGNS



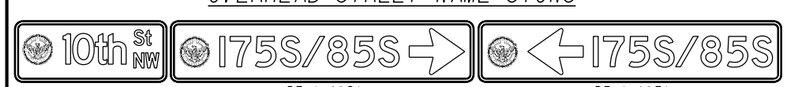
R10-3e(L) 9"X15"
R10-3e(R) 9"X15"

REGULATORY SIGNS



R10-11 (24" X 30") (A)
R10-5A (30" X 36") (B)
R10-7 (24" X 30") (C)
R10-15 MOD (30" X 30") (D)
R9-3bP (R) (18" X 12") (E)
R9-3bP (L) (18" X 12") (F)
R9-3 (30" X 30") (G)
R10-5A MOD (30" X 36") (H)
R10-10b (12" X 18") (I)

OVERHEAD STREET NAME SIGNS



D3-1 (*1) 60"X24" WHITE ON GREEN
D3-1 (*2) 108"X24" WHITE ON GREEN
D3-1 (*3) 108"X24" WHITE ON GREEN

NOTE: CONTRACTOR TO VERIFY LOCATION AND CONDITION OF EXISTING BORE, CONDUIT AND CABLES. IF PRESENT, IN GOOD CONDITION AND HAS ADEQUATE SPACE, UTILIZE EXISTING. IF NOT, INSTALL DIRECTIONAL BORE AND CONDUIT AS SHOWN. CABLES AND WIRES TO BE INSTALLED IN KIND AND PER UNIT SPECIFICATIONS.

NOTE: CONTRACTOR SHALL INSTALL POWER METER AND DISCONNECT UNIT AT ALL INTERSECTIONS WHERE POWER LOAD WILL BE AFFECTED. COORDINATE WITH CLYDE MOORE PRIOR TO START OF CONSTRUCTION.

SIGNAL LEGEND

- PROPOSED 3-SEC SIGNAL HEAD
- PROPOSED 4-SEC SIGNAL HEAD
- EXISTING 3-SEC SIGNAL HEAD
- PROPOSED 5-SEC (CLUSTER)/T-SHAPED SIGNAL HEAD
- RELOCATED 3-SEC 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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SCALE IN FEET
0 30 60 120

REVISION DATES

SIGNAL PLANS
10TH STREET BRIDGE MULTI-MODAL CONNECTION PROJECT
10TH STREET AT I-75/I-85 EXIT/ENTRANCE RAMP

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

332 CABINET INPUT FILES ASSIGNMENT

UPPER INPUT FILE (I)		SLOT	1	2	3	4	5	6	7	8	9	10	11	12	13	14
		TYPE										TBA	TBA	DC	DC	DC
		CARD												DC ISO	DC ISO	DC ISO
	CHANNEL 1	C1 PIN	56	39	63	47	58	41	65	49	60		80	67	68	81
		FUNCTION	Ph 1	Ph 2	Ph 2	Ph 2 CALL	Ph 3	Ph 4	Ph 4	Ph 4 CALL	Ph 1		INT ADV	Ph 2 PED	Ph 6 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
		DET. NUMBER	1	3	5	7	9	11	13	15	17					
		LN. ASSIGN.												Phase 2	Phase 6	
	CHANNEL 2	C1 PIN	56	43	76	47	58	45	78	49	62		53	69	70	82
		FUNCTION	Ph 1	Ph 2	Ph 2	Ph 2 CALL	Ph 3	Ph 4	Ph 4	Ph 4 CALL	Ph 3		MCE	Ph 4 PED	Ph 8 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		NC	TB8 5,6	TB8 8,9	N/C
		DET. NUMBER	2	4	6	8	10	12	14	16	18					
		LN. ASSIGN.												Phase 4	Phase 8	
LOWER INPUT FILE (J)		SLOT	1	2	3	4	5	6	7	8	9	10	11	12	13	14
		TYPE	CC					CC	CC			TBA	TBA	DC	DC	DC
		CARD	2-CHAN					2-CHAN	2-CHAN					TBA	TBA	DC ISO
	CHANNEL 1	C1 PIN	55	40	64	48	57	42	66	50	59		54	71	72	51
		FUNCTION	Ph 5	Ph 6	Ph 6	Ph 6 CALL	Ph 7	Ph 8	Ph 8	Ph 8 CALL	Ph 5			EVA	EVB	R/R
		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
		DET. NUMBER	19	21	23	25	27	29	31	33	35					
		LN. ASSIGN.						L8A	L8C							
	CHANNEL 2	C1 PIN	55	44	77	48	57	46	79	50	61		75	73	74	52
		FUNCTION	Ph 5	Ph 6	Ph 6	Ph 6 CALL	Ph 7	Ph 8	Ph 8	Ph 8 CALL	Ph 7			EVC	EVD	
		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
		DET. NUMBER	20	22	24	26	28	30	32	34	36					
		LN. ASSIGN.						L8B	L8D							

NOTE: RADAR AND THERMAL DETECTION USE CABINET INTERFACE DEVICES FOR INTERFACE TO 2070 CONTROLLER WITH SDLC CABLE. DETECOR INPUTS TO BE SOFTWARE ASSIGNED.

D3-1 (*1)
60"X24"
WHITE ON GREEN
1 REQD

D3-1 (*2)
108"X24"
WHITE ON GREEN
1 REQD

D3-1 (*3)
108"X24"
WHITE ON GREEN
1 REQD

LIST OF MATERIALS
TRAFFIC SIGNAL INSTALLATION NO. 1
LOCATION: 10TH STREET AT I-75/I-85 EXIT/ENTRANCE RAMP
CITY OF ATLANTA
NOTE: QUANTITIES ARE FOR INFORMATION ONLY. THE CONTRACTOR SHALL FIELD VERIFY PRIOR TO ORDERING MATERIALS.

MATERIALS	UNIT	QUANTITY
CONTROLLER CABINET ASSEMBLIES		
E. SWITCH PACK	EA	6
AUXILIARY OUTPUT FILE (TO BE COMPATIBLE WITH CABINET MANUFACTURER)	EA	1
SIGNAL CABLE, 7 CONDUCTOR, 14 AWG, PER 1000 FT	REEL	2
3-SECTION, ONE-WAY, 12" EXPANDED VIEW SIGNAL HEAD, LED "INCANDESCENT LOOK", BLACK FACE, BLACK BODY, PLASTIC (STANDARD CONFIGURATION - RED, YELLOW, GREEN)	EA	3
3-SECTION, ONE-WAY, 12" EXPANDED VIEW SIGNAL HEAD, LED "INCANDESCENT LOOK", BLACK FACE, BLACK BODY, PLASTIC (RED BIKE, YELLOW BIKE, GREEN BIKE)	EA	2
3-SECTION, ONE-WAY, 12" EXPANDED VIEW SIGNAL HEAD, LED "INCANDESCENT LOOK", BLACK FACE, BLACK BODY, PLASTIC (RED BALL, YELLOW BALL, GREEN THRU ARROW)	EA	2
3-SECTION, ONE-WAY, 12" EXPANDED VIEW SIGNAL HEAD, LED "INCANDESCENT LOOK", BLACK FACE, BLACK BODY, PLASTIC (RED LEFT-TURN ARROW, YELLOW LEFT-TURN ARROW, GREEN LEFT-TURN ARROW)	EA	1
4-SECTION, ONE-WAY, 12" EXPANDED VIEW SIGNAL HEAD, LED "INCANDESCENT LOOK", BLACK FACE, BLACK BODY, PLASTIC (RED LEFT-TURN ARROW, YELLOW LEFT-TURN ARROW, FLASHING YELLOW LEFT-TURN ARROW GREEN LEFT-TURN ARROW)	EA	1
4-SECTION, ONE-WAY, 12" EXPANDED VIEW SIGNAL HEAD, LED "INCANDESCENT LOOK", BLACK FACE, BLACK BODY, PLASTIC (RED RIGHT-TURN ARROW, YELLOW RIGHT-TURN ARROW, FLASHING YELLOW RIGHT-TURN ARROW, GREEN RIGHT-TURN ARROW)	EA	1
4-SECTION, ONE-WAY, 12" EXPANDED VIEW SIGNAL HEAD, LED "INCANDESCENT LOOK", BLACK FACE, BLACK BODY, PLASTIC (RED, YELLOW, GREEN, GREEN LEFT-TURN ARROW)	EA	1
BACKPLATE FOR ONE-WAY, 3-SECTION, 12" SIGNAL HEAD, ABS PLASTIC, LOUVERED, BLACK	EA	8
BACKPLATE FOR ONE-WAY, 4-SECTION, 12" SIGNAL HEAD, ABS PLASTIC, LOUVERED, BLACK	EA	3
HARDWARE FOR MAST ARM MOUNTING	EA	9
HARDWARE FOR STRAIN POLE / PEDESTAL POLE MOUNTING	EA	1
PULLBOX, TP 2	EA	3
PULLBOX, TP 3	EA	2
CONDUIT, NONMETAL, TP 3, 2"	LF	480
DIRECTIONAL BORE - 5"	LF	210
R10-5A MOD(L), LEFT TURN YIELD ON FLASHING YELLOW ARROW SIGN	EA	1
R10-5A MOD (R), RIGHT TURN YIELD ON FLASHING YELLOW ARROW SIGN	EA	1
MISC MATL TO COMPLETE INSTALLATION	LS	1

PAY ITEM		UNIT	QUANTITY
636-1033	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 9	SF	93
636-2070	GALV STEEL POST, TP 7	LF	27
639-3004	STEEL STRAIN POLE, TP IV, w/ 65' MONOTUBE MAST ARM	EA	1
639-3004	STEEL STRAIN POLE, TP IV, w/ 45' AND 60' DUAL MONOTUBE MAST ARMS	EA	1
647-1000	TRAFFIC SIGNAL INSTALLATION	LS	1
687-1000	TRAFFIC SIGNAL TIMING, NO - 1	LS	1
937-4000	INDUCTANCE LOOP DETECTION SYSTEM, NO - 1	LS	1
937-4100	PEDESTRIAN DETECTION SYSTEM, NO - 1, TYPE B	LS	1
937-6010	MICROWAVE VEHICLE DETECTION SYSTEM, NO - 1, TYPE B	LS	1
937-6040	VIDEO DETECTION SYSTEM, NO - 1, TYPE B	LS	1

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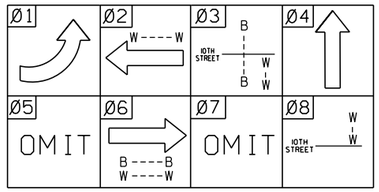
REVISION DATES

SIGNAL PLANS
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT

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

PHASING DIAGRAM



STREET NAME SIGNS

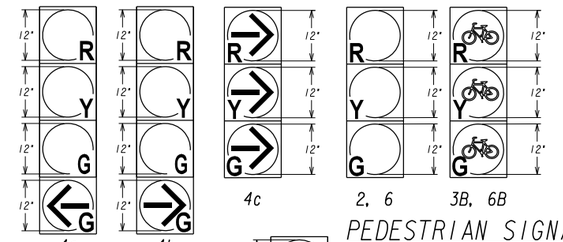
D3-1 (*1) 102"X24" WHITE ON GREEN

D3-1 (*2) 102"X24" WHITE ON GREEN

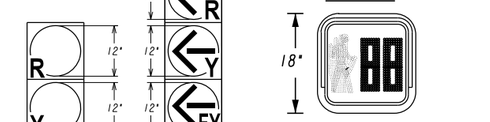
D3-1 (*3) 60"X24" WHITE ON GREEN

NOTE: CONTRACTOR TO VERIFY LOCATION AND CONDITION OF EXISTING BORE, CONDUIT AND CABLES. IF PRESENT, IN GOOD CONDITION AND HAS ADEQUATE SPACE, UTILIZE EXISTING. IF NOT, INSTALL DIRECTIONAL BORE AND CONDUIT AS SHOWN. CABLES AND WIRES TO BE INSTALLED IN KIND AND PER UNIT SPECIFICATIONS.
NOTE: CONTRACTOR SHALL INSTALL POWER METER AND DISCONNECT UNIT AT ALL INTERSECTIONS WHERE POWER LOAD WILL BE AFFECTED. COORDINATE WITH CLYDE MOORE PRIOR TO START OF CONSTRUCTION.

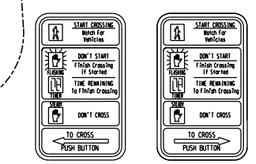
LED INCANDESCENT LOOK SIGNAL HEADS WITH TP IX RETROREFLECTIVE TAPE ON BACKPLATES



PEDESTRIAN SIGNAL HEADS



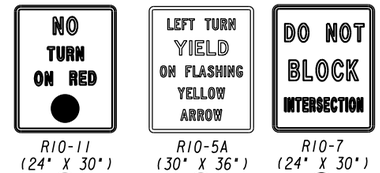
PEDESTRIAN SIGNS



R10-3e(L) 9"X15"

R10-3e(R) 9"X15"

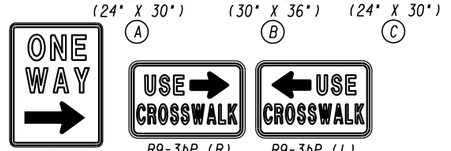
REGULATORY SIGNS



R10-11 (24" X 30") A

R10-5A (30" X 36") B

R10-7 (24" X 30") C



R6-2 (30" X 36") D

R9-3bP (R) (18" X 12") E

R9-3bP (L) (18" X 12") F

R9-3 (30" X 30") G

R10-15 MOD (30" X 30") H

R10-10b (12" X 18") I

R-SPEC(*1) (30" X 36") J

SIGNAL LEGEND

- PROPOSED 3-SEC SIGNAL HEAD
- PROPOSED 4-SEC SIGNAL HEAD
- EXISTING 3-SEC SIGNAL HEAD
- PROPOSED 5-SEC (CLUSTER)/T-SHAPED SIGNAL HEAD
- RELOCATED 3-SEC 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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SCALE IN FEET
0 30 60 120

REVISION DATES

SIGNAL PLANS
10TH STREET BRIDGE MULTI-MODAL CONNECTION PROJECT
10TH STREET AT WILLIAMS STREET

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		27-0004
CORRECTED:		DATE:		
VERIFIED:		DATE:		

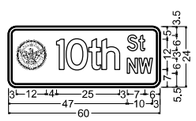
10/23/2015 GPLN

332 CABINET INPUT FILES ASSIGNMENT

UPPER INPUT FILE (I)	SLOT		1	2	3	4	5	6	7	8	9	10	11	12	13	14
	TYPE		CC					CC	CC			TBA	TBA	DC	DC	DC
	CARD		2-CHAN					2-CHAN	2-CHAN					DC ISO	DC ISO	DC ISO
	CHANNEL 1	C1 PIN	56	39	63	47	58	41	65	49	60		80	67	68	81
		FUNCTION	Ph 1	Ph 2	Ph 2	Ph 2 CALL	Ph 3	Ph 4	Ph 4	Ph 4 CALL	Ph 1		INT ADV	Ph 2 PED	Ph 6 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
		DET. NUMBER	1	3	5	7	9	11	13	15	17					
		LN. ASSIGN.												Phase 2	Phase 6	
	CHANNEL 2	C1 PIN	56	43	76	47	58	45	78	49	62		53	69	70	82
		FUNCTION	Ph 1	Ph 2	Ph 2	Ph 2 CALL	Ph 3	Ph 4	Ph 4	Ph 4 CALL	Ph 3		MCE	Ph 4 PED	Ph 8 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		NC	TB8 5,6	TB8 8,9	N/C
		DET. NUMBER	2	4	6	8	10	12	14	16	18					
		LN. ASSIGN.												Phase 4	Phase 8	
LOWER INPUT FILE (J)	SLOT		1	2	3	4	5	6	7	8	9	10	11	12	13	14
	TYPE											TBA	TBA	DC	DC	DC
	CARD													TBA	TBA	DC ISO
	CHANNEL 1	C1 PIN	55	40	64	48	57	42	66	50	59		54	71	72	51
		FUNCTION	Ph 5	Ph 6	Ph 6	Ph 6 CALL	Ph 7	Ph 8	Ph 8	Ph 8 CALL	Ph 5			EVA	EVB	R/R
		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
		DET. NUMBER	19	21	23	25	27	29	31	33	35					
		LN. ASSIGN.														
	CHANNEL 2	C1 PIN	55	44	77	48	57	46	79	50	61		75	73	74	52
		FUNCTION	Ph 5	Ph 6	Ph 6	Ph 6 CALL	Ph 7	Ph 8	Ph 8	Ph 8 CALL	Ph 7			EVC	EVD	
		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
		DET. NUMBER	20	22	24	26	28	30	32	34	36					
		LN. ASSIGN.														

D3-1 (*1)
102"X24"
WHITE ON GREEN

D3-1 (*2)
102"X24"
WHITE ON GREEN



D3-1 (*3)
60"X24"
WHITE ON GREEN

LIST OF MATERIALS
TRAFFIC SIGNAL INSTALLATION NO. 2
LOCATION: 10TH STREET AT WILLIAMS STREET
CITY OF ATLANTA
NOTE: QUANTITIES ARE FOR INFORMATION ONLY. THE CONTRACTOR SHALL FIELD VERIFY PRIOR TO ORDERING MATERIALS.

MATERIALS

	UNIT	QUANTITY
CONTROLLER CABINET ASSEMBLIES		
E. SWITCH PACK	EA	9
AUXILIARY OUTPUT FILE (TO BE COMPATIBLE WITH CABINET MANUFACTURER)	EA	1
SIGNAL CABLE, 7 CONDUCTOR, 14 AWG, PER 1000 FT	REEL	2
3-SECTION, ONE-WAY, 12" EXPANDED VIEW SIGNAL HEAD, LED "INCANDESCENT LOOK", BLACK FACE, BLACK BODY, PLASTIC (STANDARD CONFIGURATION - RED, YELLOW, GREEN)	EA	3
3-SECTION, ONE-WAY, 12" EXPANDED VIEW SIGNAL HEAD, LED "INCANDESCENT LOOK", BLACK FACE, BLACK BODY, PLASTIC (RED BIKE, YELLOW BIKE, GREEN BIKE)	EA	4
3-SECTION, ONE-WAY, 12" EXPANDED VIEW SIGNAL HEAD, LED "INCANDESCENT LOOK", BLACK FACE, BLACK BODY, PLASTIC (RED BALL, YELLOW BALL, GREEN THRU ARROW)	EA	2
3-SECTION, ONE-WAY, 12" EXPANDED VIEW SIGNAL HEAD, LED "INCANDESCENT LOOK", BLACK FACE, BLACK BODY, PLASTIC (RED RIGHT-TURN ARROW, YELLOW RIGHT-TURN ARROW, GREEN RIGHT-TURN ARROW)	EA	1
4-SECTION, ONE-WAY, 12" EXPANDED VIEW SIGNAL HEAD, LED "INCANDESCENT LOOK", BLACK FACE, BLACK BODY, PLASTIC (RED LEFT-TURN ARROW, YELLOW LEFT-TURN ARROW, FLASHING YELLOW LEFT-TURN ARROW, GREEN LEFT-TURN ARROW	EA	1
4-SECTION, ONE-WAY, 12" EXPANDED VIEW SIGNAL HEAD, LED "INCANDESCENT LOOK", BLACK FACE, BLACK BODY, PLASTIC (RED, YELLOW, GREEN, GREEN RIGHT-TURN ARROW)	EA	1
4-SECTION, ONE-WAY, 12" EXPANDED VIEW SIGNAL HEAD, LED "INCANDESCENT LOOK", BLACK FACE, BLACK BODY, PLASTIC (RED, YELLOW, GREEN, GREEN LEFT-TURN ARROW)	EA	1
BACKPLATE FOR ONE-WAY, 3-SECTION, 12" SIGNAL HEAD, ABS PLASTIC, LOUVERED, BLACK	EA	8
BACKPLATE FOR ONE-WAY, 4-SECTION, 12" SIGNAL HEAD, ABS PLASTIC, LOUVERED, BLACK	EA	3
HARDWARE FOR MAST ARM MOUNTING	EA	7
HARDWARE FOR STRAIN POLE / PEDESTAL POLE MOUNTING	EA	1
PULLBOX, TP 2	EA	5
PULLBOX, TP 3	EA	2
CONDUIT, NONMETAL, TP 3, 2"	LF	825
DIRECTIONAL BORE - 5"	LF	135
DIRECTIONAL BORE - 7"	LF	185
R10-5A MOD(L), LEFT TURN YIELD ON FLASHING YELLOW ARROW SIGN	EA	1
MISC MATL TO COMPLETE INSTALLATION	LS	1

PAY ITEM

		UNIT	QUANTITY
636-1033	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 9	SF	114
636-2070	GALV STEEL POST, TP 7	LF	27
639-3004	STEEL STRAIN POLE, TP IV, w/ 40' MONOTUBE MAST ARM	EA	1
639-3004	STEEL STRAIN POLE, TP IV, w/ 45' MONOTUBE MAST ARM	EA	1
639-3004	STEEL STRAIN POLE, TP IV, w/ 65' MONOTUBE MAST ARM	EA	1
647-1000	TRAFFIC SIGNAL INSTALLATION	LS	1
687-1000	TRAFFIC SIGNAL TIMING, NO - 2	LS	1
937-4100	PEDESTRIAN DETECTION SYSTEM, NO - 2, TYPE B	LS	1
937-6010	MICROWAVE VEHICLE DETECTION SYSTEM, NO - 2, TYPE B	LS	1

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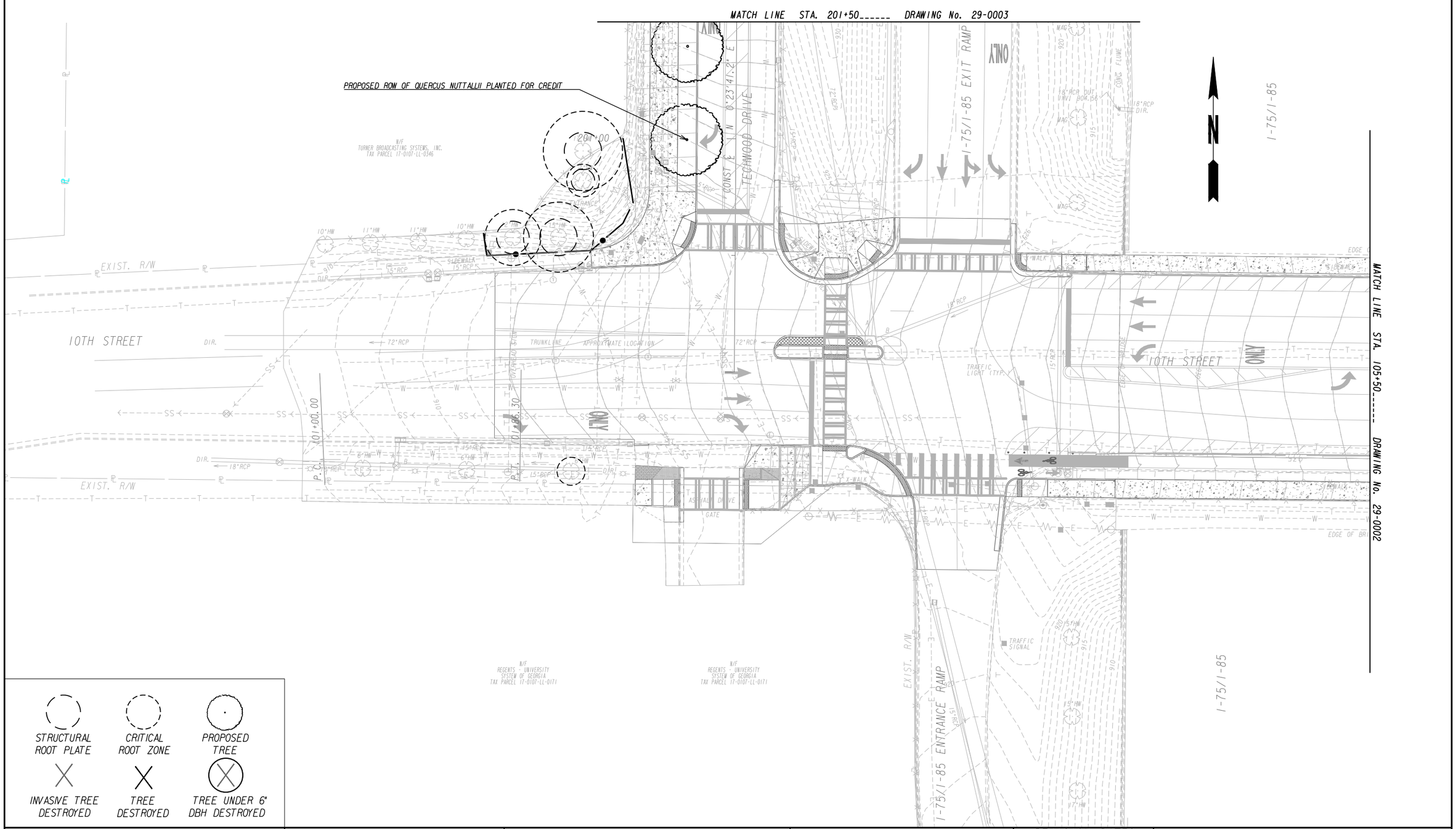
REVISION DATES

SIGNAL PLANS
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT

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



STRUCTURAL ROOT PLATE	CRITICAL ROOT ZONE
PROPOSED TREE	INVASIVE TREE DESTROYED
TREE DESTROYED	TREE UNDER 6" DBH DESTROYED

PROPERTY AND EXISTING R/W LINE	℄
WATER LINE	-W-
TELEPHONE LINE	-T-
GAS LINE	-G-
SANITARY SEWER	-SS-
CONSTRUCTION LIMITS	-G-F-
TREE PROTECTION FENCE	●

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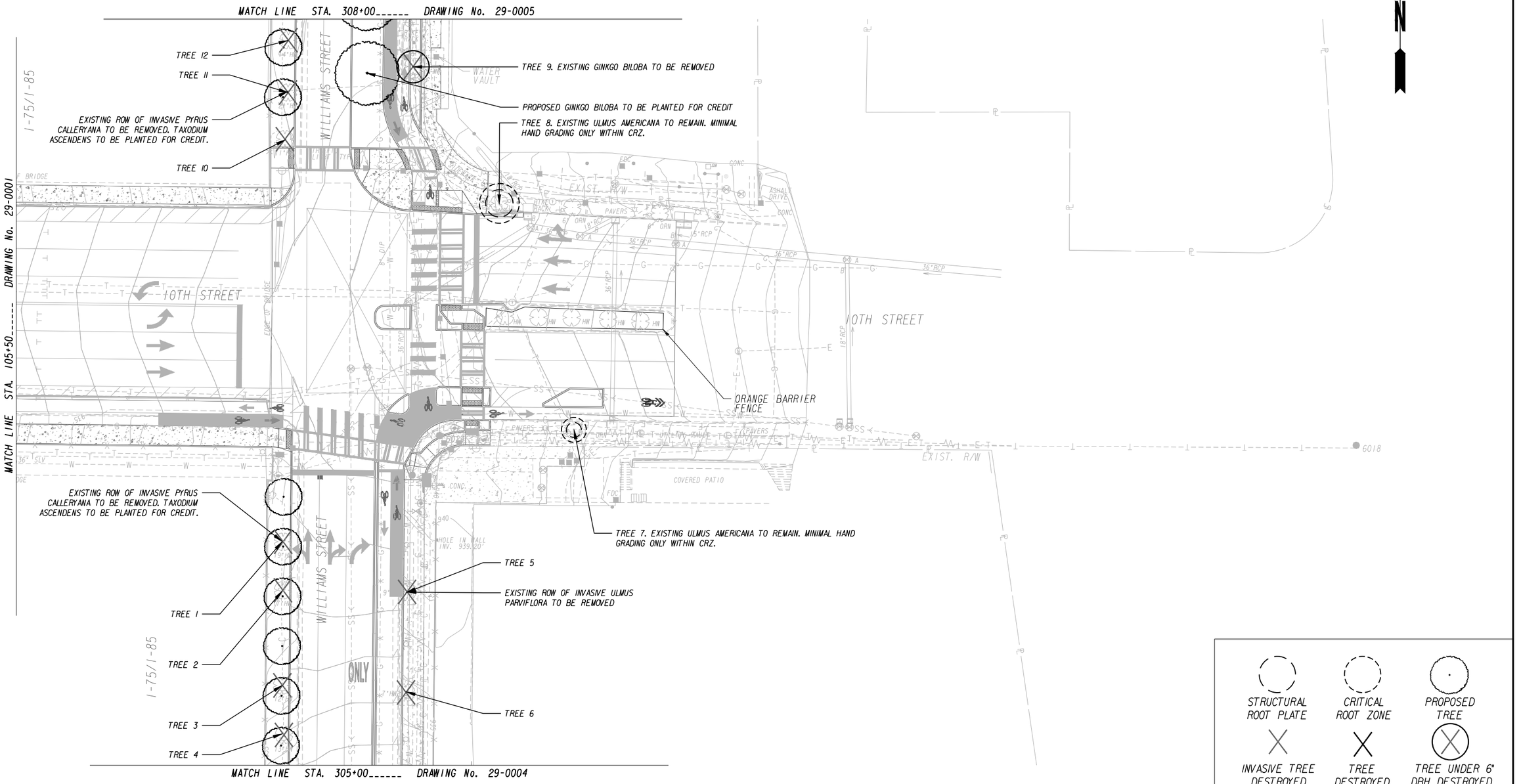
SCALE IN FEET
0 20 40 80

REVISION DATES

0	9/22/22	INITIAL QC-BLS
1	7/31/2023	UPDATED GRADING

TREE REMOVAL AND PROTECTION PLANS
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT

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



STRUCTURAL ROOT PLATE — CRITICAL ROOT ZONE — PROPOSED TREE

INVASIVE TREE DESTROYED — TREE DESTROYED — TREE UNDER 6" DBH DESTROYED

PROPERTY AND EXISTING R/W LINE	PL
WATER LINE	W
TELEPHONE LINE	T
GAS LINE	G
SANITARY SEWER	SS
CONSTRUCTION LIMITS	C – F
TREE PROTECTION FENCE	●

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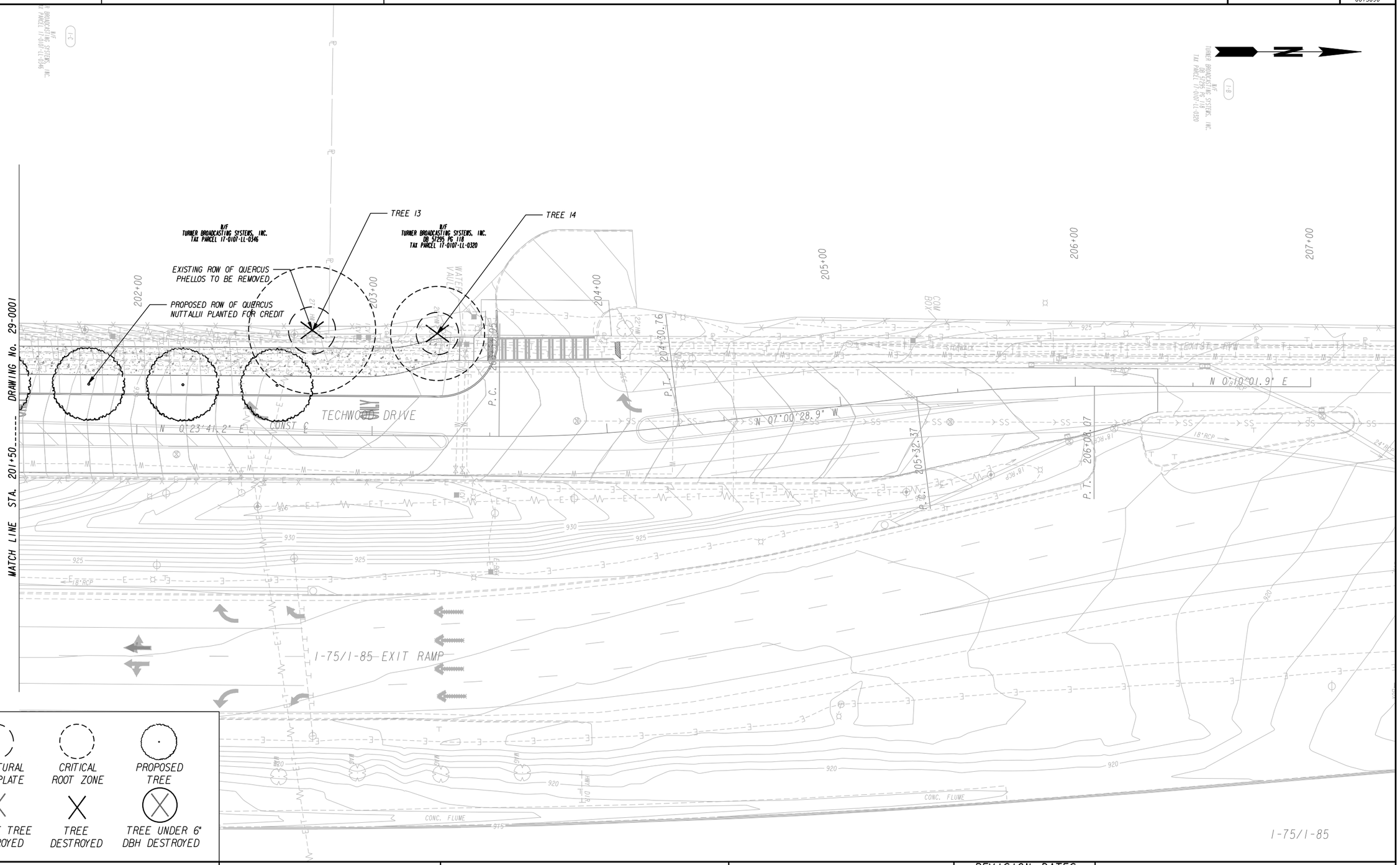
SCALE IN FEET
0 20 40 80

REVISION DATES

0	9/22/22	INITIAL QC-BLS
1	7/31/2023	UPDATED GRADING

TREE REMOVAL AND PROTECTION PLANS
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT

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



STRUCTURAL ROOT PLATE
CRITICAL ROOT ZONE
PROPOSED TREE
INVASIVE TREE DESTROYED
TREE DESTROYED
TREE UNDER 6" DBH DESTROYED

PROPERTY AND EXISTING R/W LINE
WATER LINE
TELEPHONE LINE
GAS LINE
SANITARY SEWER
CONSTRUCTION LIMITS
TREE PROTECTION FENCE

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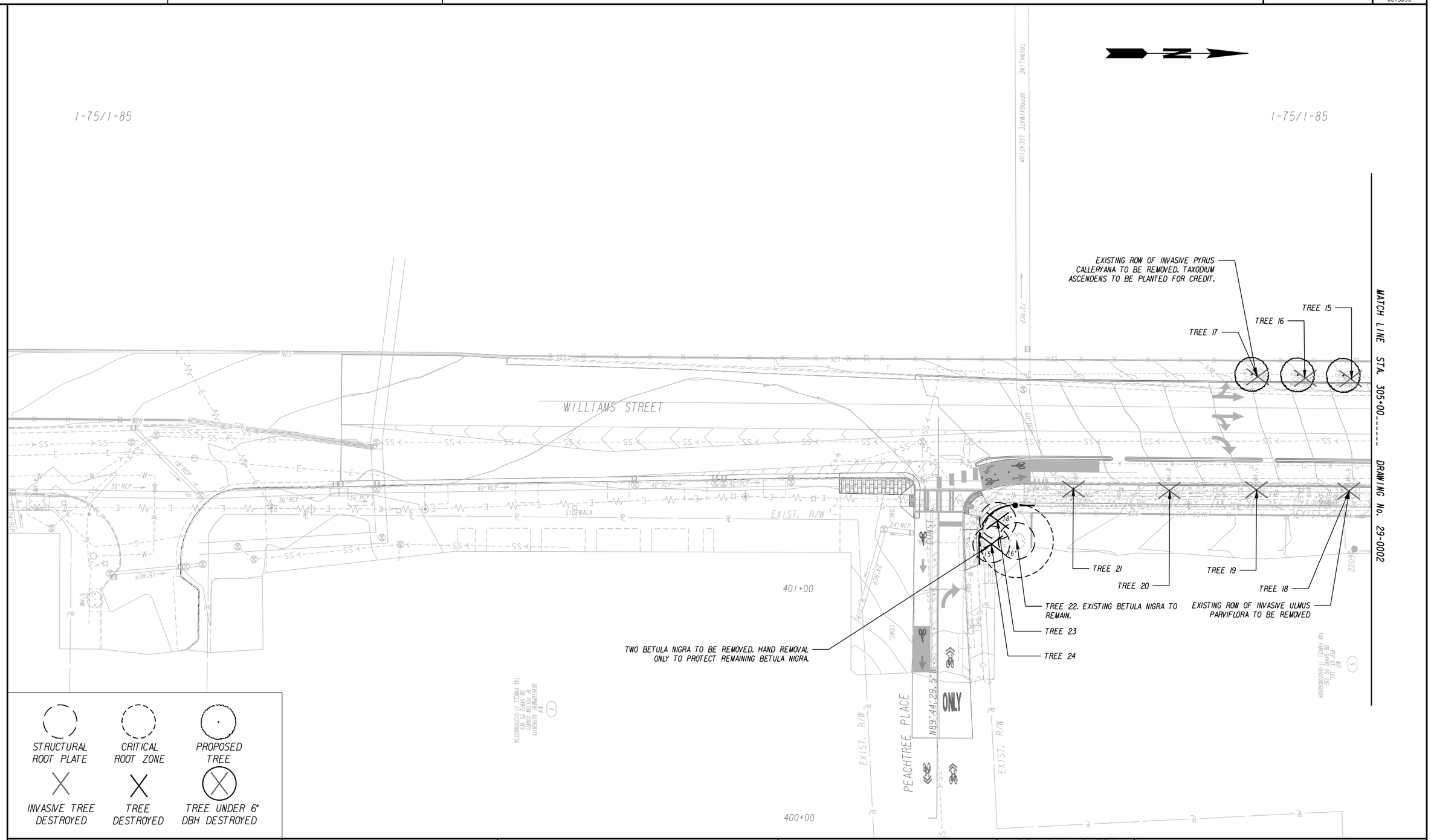
SCALE IN FEET
0 20 40 80

REVISION DATES

0	9/22/22	INITIAL QC-BLS
1	7/31/2023	UPDATED GRADING

TREE REMOVAL AND PROTECTION PLANS
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT

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



STRUCTURAL ROOT PLATE	
CRITICAL ROOT ZONE	
PROPOSED TREE	
INVASIVE TREE DESTROYED	
TREE DESTROYED	
TREE UNDER 6" DBH DESTROYED	

PROPERTY AND EXISTING R/W LINE	PL
WATER LINE	W
TELEPHONE LINE	T
GAS LINE	G
SANITARY SEWER	SS
CONSTRUCTION LIMITS	C F
TREE PROTECTION FENCE	

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SCALE IN FEET
0 20 40 80

REVISION DATES		
0	9/22/22	INITIAL QC-BLS
1	7/31/2023	UPDATED GRADING

TREE REMOVAL AND PROTECTION PLANS
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT

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

DRAWING No.
29-0004

11/7/23 11:21 AM
ChloeWelgle

N:\Shared\PROJECTS\2020\00-2020-182 Atlanta, GA 10th Street Bridge\CAD\01_Plans\2020-182_LND_TREE PROTECTION PLANS.dwg

P. I. NO.
0015890

-85

I-75/I-85

I-75/I-85

N

MATCH LINE STA. 308+00 ---- DRAWING No. 29-0002

MATCH LINE STA. 315+50 ---- DRAWING No. 29-0006

EXISTING ROW OF INVASIVE PYRUS CALLERYANA TO BE REMOVED. TAXODIUM ASCENDENS TO BE PLANTED FOR CREDIT.

TREE 25

TREE 26

TREE 27

TREE 28

TREE 29

TREE 30

TREE 31

TREE 32

TREE 33

310+39.42

TREE 34

TREE 35

TREE 36

310+97.07

CONSTRUCTION TO BE COMPLETED BY OTHERS

ONE WAY

ONE WAY

WILLIAMS STREET

TREE 37

TREE 38

TREE 39

TREE 40

TREE 41

TREE 42

TREE 43

TREE 44

TREE 45

TREE 46

TREE 47

EXISTING ROW OF GINKGO BILOBA TO BE REMOVED

GINKGO BILOBA TO BE PLANTED FOR CREDIT

EXISTING ROW OF CORNUS SP. TO BE REMOVED

STRUCTURAL ROOT PLATE	
CRITICAL ROOT ZONE	
PROPOSED TREE	
INVASIVE TREE DESTROYED	
TREE DESTROYED	
TREE UNDER 6" DBH DESTROYED	

PROPERTY AND EXISTING R/W LINE	—— PL ——
WATER LINE	– – – W – – –
TELEPHONE LINE	– – – T – – –
GAS LINE	– – – G – – –
SANITARY SEWER	– – – SS – – –
CONSTRUCTION LIMITS	– – C – – F – –
TREE PROTECTION FENCE	—— ● ——

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SCALE IN FEET
0 20 40 80

REVISION DATES

0	9/22/22	INITIAL QC-BLS
1	7/31/2023	UPDATED GRADING
2	11/6/2023	PRE-BID QC-BLS

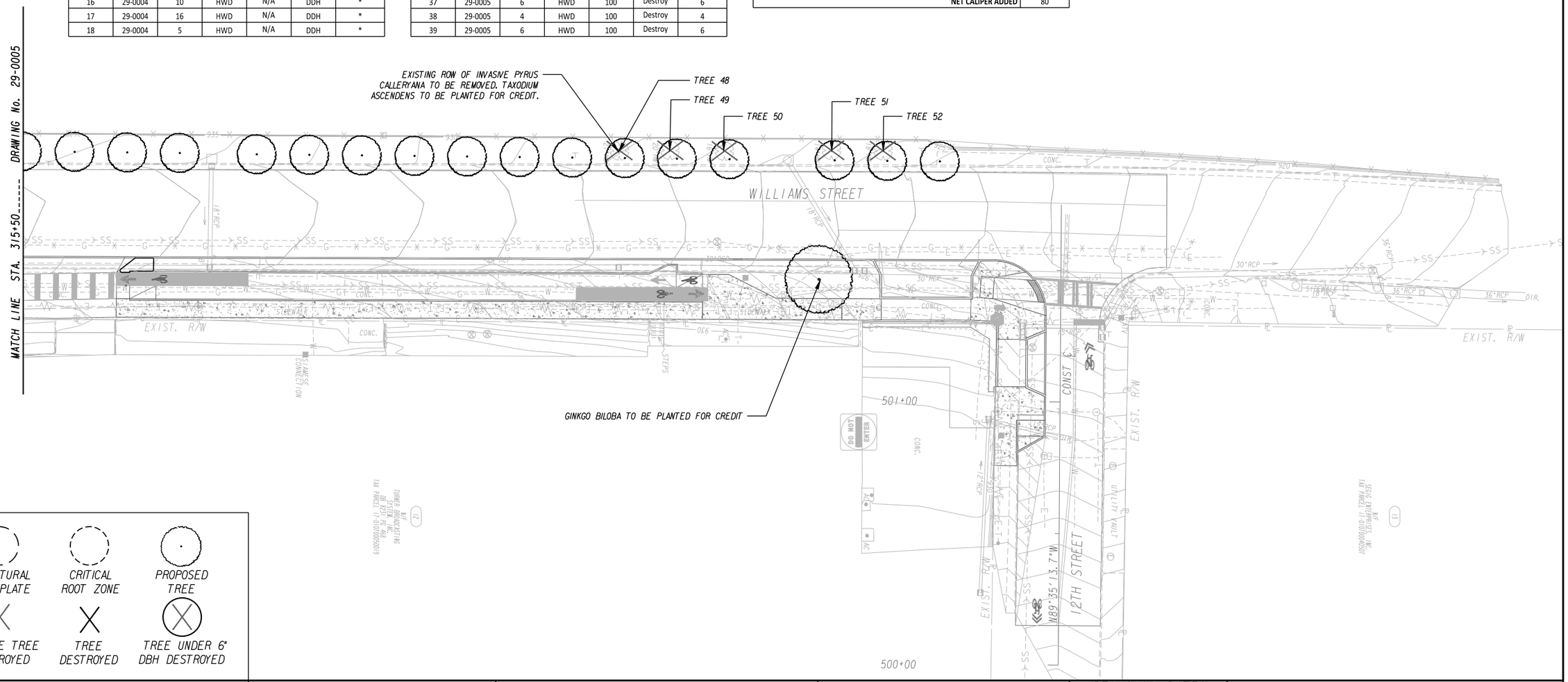
TREE REMOVAL AND PROTECTION PLANS
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT

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

DRAWING No.
29-0005

IMPACTED PUBLIC TREE DATA TABLE						
TREE #	Sheet #	DBH	SPECIES	IMPACT %	STATUS	Rcmp.DBH
1	29-0002	19	HWD	N/A	DDH	*
2	29-0002	17	HWD	N/A	DDH	*
3	29-0002	12	HWD	N/A	DDH	*
4	29-0002	13	HWD	N/A	DDH	*
5	29-0002	32	HWD	N/A	DDH	*
6	29-0002	14	HWD	N/A	DDH	*
7	29-0002	5	HWD	32	Saved/P	
8	29-0002	8	HWD	47	Saved/P	
9	29-0002	5	HWD	100	Destroy	5
10	29-0002	11	HWD	N/A	DDH	*
11	29-0002	21	HWD	N/A	DDH	*
12	29-0002	14	HWD	N/A	DDH	*
15	29-0004	12	HWD	N/A	DDH	*
16	29-0004	10	HWD	N/A	DDH	*
17	29-0004	16	HWD	N/A	DDH	*
18	29-0004	5	HWD	N/A	DDH	*
19	29-0004	5	HWD	N/A	DDH	*
20	29-0004	8	HWD	N/A	DDH	*
21	29-0004	4	HWD	N/A	DDH	*
25	29-0005	15	HWD	N/A	DDH	*
26	29-0005	15	HWD	N/A	DDH	*
27	29-0005	18	HWD	N/A	DDH	*
28	29-0005	17	HWD	N/A	DDH	*
29	29-0005	11	HWD	N/A	DDH	*
30	29-0005	16	HWD	N/A	DDH	*
31	29-0005	17	HWD	N/A	DDH	*
32	29-0005	15	HWD	N/A	DDH	*
33	29-0005	16	HWD	N/A	DDH	*
34	29-0005	14	HWD	N/A	DDH	*
35	29-0005	22	HWD	N/A	DDH	*
36	29-0005	20	HWD	N/A	DDH	*
37	29-0005	6	HWD	100	Destroy	6
38	29-0005	4	HWD	100	Destroy	4
39	29-0005	6	HWD	100	Destroy	6
40	29-0005	5	HWD	100	Destroy	5
41	29-0005	6	HWD	100	Destroy	6
42	29-0005	7	HWD	100	Destroy	7
43	29-0005	14	HWD	100	Destroy	14
44	29-0005	15	HWD	100	Destroy	15
45	29-0005	13	HWD	100	Destroy	13
46	29-0005	14	HWD	100	Destroy	14
47	29-0005	11	HWD	100	Destroy	11
48	29-0006	21	HWD	N/A	DDH	*
49	29-0006	20	HWD	N/A	DDH	*
50	29-0006	16	HWD	N/A	DDH	*
51	29-0006	14	HWD	N/A	DDH	*
52	29-0006	18	HWD	N/A	DDH	*
* DDH Inspection Pending					**SUBTOTAL**	106
					TOAL TREE CALIPER ADDED	186
					NET CALIPER ADDED	80

IMPACTED PRIVATE TREE DATA TABLE							
	TREE #	Sheet #	DBH	SPECIES	IMPACT %	STATUS	Rcmp.DBH
	13	29-0003	27	HWD	100	Destroy	27
	14	29-0003	20	HWD	100	Destroy	20
	22	29-0004	16	HWD	N/A	Saved	
	23	29-0004	18	HWD	100	Destroy	18
	24	29-0004	15	HWD	100	Destroy	15
SUBTOTALS	4						80
TOTAL	(100 *4) + (30*80) = $2,800						



STRUCTURAL ROOT PLATE	
CRITICAL ROOT ZONE	
PROPOSED TREE	
INVASIVE TREE DESTROYED	
TREE DESTROYED	
TREE UNDER 6" DBH DESTROYED	

PROPERTY AND EXISTING R/W LINE	℄
WATER LINE	-W-
TELEPHONE LINE	-T-
GAS LINE	-G-
SANITARY SEWER	-SS-
CONSTRUCTION LIMITS	-C-F-
TREE PROTECTION FENCE	●

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SCALE IN FEET
0 20 40 80

REVISION DATES		
0	9/22/22	INITIAL QC-BLS
1	7/31/2023	UPDATED GRADING

TREE REMOVAL AND PROTECTION PLANS
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT

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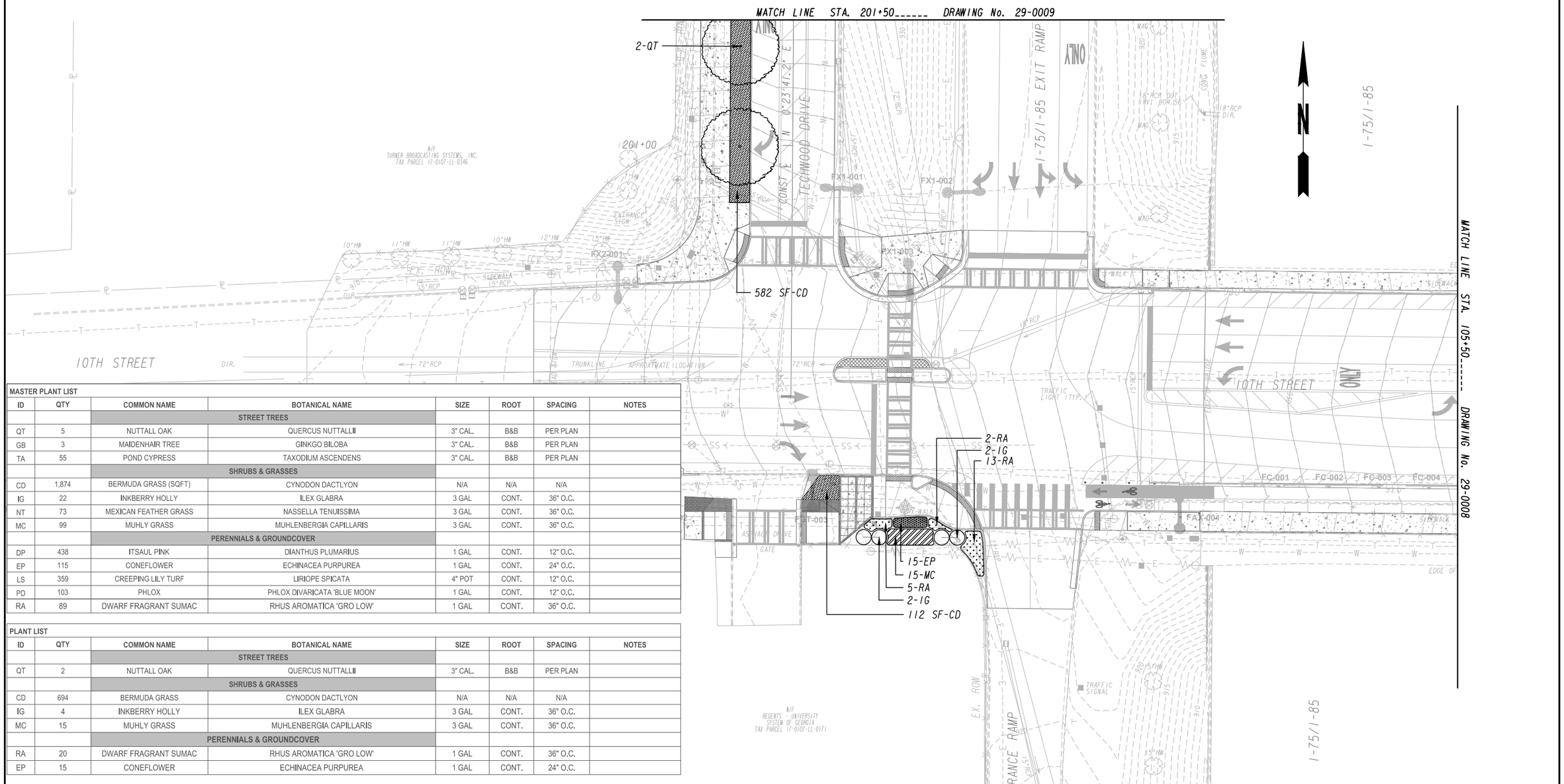
BACKCHECKED:		DATE:		29-0006
CORRECTED:		DATE:		
VERIFIED:		DATE:		



MASTER PLANT LIST

ID	QTY	COMMON NAME	BOTANICAL NAME	SIZE	ROOT	SPACING	NOTES
		STREET TREES					
QT	5	NUTTALL OAK	QUERCUS NUTTALLII	3" CAL.	B&B	PER PLAN	
GB	3	MAIDENHAIR TREE	GINKGO BILOBA	3" CAL.	B&B	PER PLAN	
TA	55	POND CYPRESS	TAXODIUM ASCENDENS	3" CAL.	B&B	PER PLAN	
		SHRUBS & GRASSES					
CD	1,874	BERMUDA GRASS (SQFT)	CYNODON DACTLYON	N/A	N/A	N/A	
IG	22	INKBERRY HOLLY	ILEX GLABRA	3 GAL	CONT.	36" O.C.	
NT	73	MEXICAN FEATHER GRASS	NASSELLA TENUISSIMA	3 GAL	CONT.	36" O.C.	
MC	99	MUHLY GRASS	MUHLENBERGIA CAPILLARIS	3 GAL	CONT.	36" O.C.	
		PERENNIALS & GROUNDCOVER					
DP	438	ITSAUL PINK	DIANTHUS PLUMARIUS	1 GAL	CONT.	12" O.C.	
EP	115	CONEFLOWER	ECHINACEA PURPUREA	1 GAL	CONT.	24" O.C.	
LS	359	CREEPING LILY TURF	LIRIOPE SPICATA	4" POT	CONT.	12" O.C.	
PD	103	PHLOX	PHLOX DIVARICATA 'BLUE MOON'	1 GAL	CONT.	12" O.C.	
RA	89	DWARF FRAGRANT SUMAC	RHUS AROMATICA 'GRO LOW'	1 GAL	CONT.	36" O.C.	

PLANT LIST

ID	QTY	COMMON NAME	BOTANICAL NAME	SIZE	ROOT	SPACING	NOTES
		STREET TREES					
QT	2	NUTTALL OAK	QUERCUS NUTTALLII	3" CAL.	B&B	PER PLAN	
		SHRUBS & GRASSES					
CD	694	BERMUDA GRASS	CYNODON DACTLYON	N/A	N/A	N/A	
IG	4	INKBERRY HOLLY	ILEX GLABRA	3 GAL	CONT.	36" O.C.	
MC	15	MUHLY GRASS	MUHLENBERGIA CAPILLARIS	3 GAL	CONT.	36" O.C.	
		PERENNIALS & GROUNDCOVER					
RA	20	DWARF FRAGRANT SUMAC	RHUS AROMATICA 'GRO LOW'	1 GAL	CONT.	36" O.C.	
EP	15	CONEFLOWER	ECHINACEA PURPUREA	1 GAL	CONT.	24" O.C.	

PROPERTY AND EXISTING R/W LINE ——℄——
WATER LINE ——W——
TELEPHONE LINE ——T——
GAS LINE ——G——
SANITARY SEWER ——SS——

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SCALE IN FEET
0 20 40 80

REVISION DATES

0	9/22/22	INITIAL QC-BLS
1	7/31/2023	UPDATED GRADING
2	11/6/2023	PRE-BID QC-BLS

LANDSCAPE PLANTING PLANS
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT

CHECKED:		DATE:	
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VERIFIED:		DATE:	

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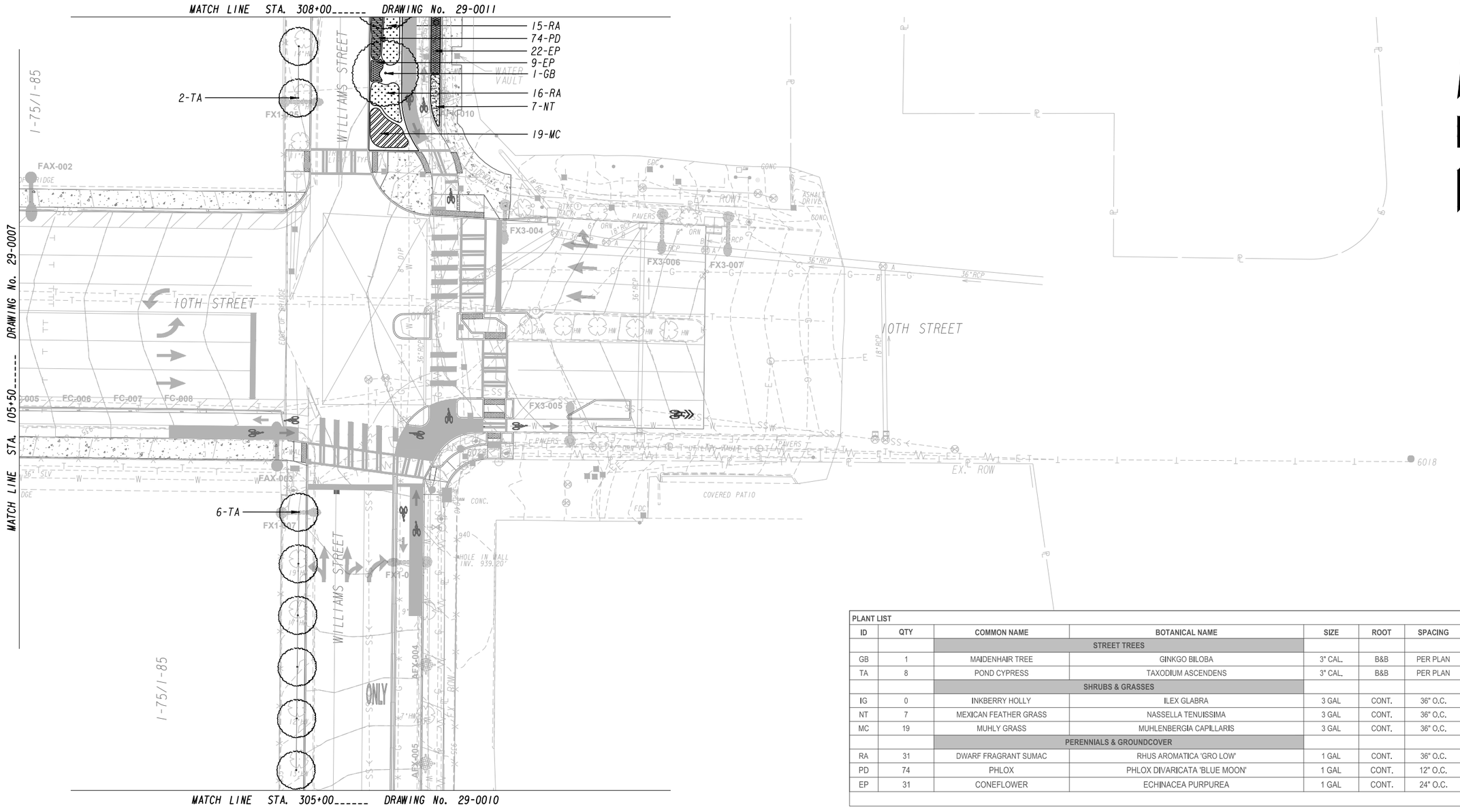
29-0007



PLANT LIST

ID	QTY	COMMON NAME	BOTANICAL NAME	SIZE	ROOT	SPACING	NOTES
		STREET TREES					
GB	1	MAIDENHAIR TREE	GINKGO BILOBA	3" CAL.	B&B	PER PLAN	
TA	8	POND CYPRESS	TAXODIUM ASCENDENS	3" CAL.	B&B	PER PLAN	
		SHRUBS & GRASSES					
IG	0	INKBERRY HOLLY	ILEX GLABRA	3 GAL	CONT.	36" O.C.	
NT	7	MEXICAN FEATHER GRASS	NASSELLA TENUISSIMA	3 GAL	CONT.	36" O.C.	
MC	19	MUHLY GRASS	MUHLENBERGIA CAPILLARIS	3 GAL	CONT.	36" O.C.	
		PERENNIALS & GROUNDCOVER					
RA	31	DWARF FRAGRANT SUMAC	RHUS AROMATICA 'GRO LOW'	1 GAL	CONT.	36" O.C.	
PD	74	PHLOX	PHLOX DIVARICATA 'BLUE MOON'	1 GAL	CONT.	12" O.C.	
EP	31	CONEFLOWER	ECHINACEA PURPUREA	1 GAL	CONT.	24" O.C.	

GENERAL NOTES:

1. ENSURE ADEQUATE WATERING AND PROPER MAINTENANCE MEASURES FOR TAXODIUM ASCENDENS FOLLOWING INSTALLATION TO PROMOTE PROPER GROWTH AND ESTABLISHMENT UNTIL ADAPTED TO DRIER SOILS. SEE REQUIREMENTS OF SUBSECTION 702.3.07 IN SPECIFICATIONS.

PROPERTY AND EXISTING R/W LINE —— PL ——
WATER LINE – – –W– – –
TELEPHONE LINE – – –T– – –
GAS LINE – – –G– – –
SANITARY SEWER – – –SS– – –

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SCALE IN FEET
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REVISION DATES

0	9/22/22	INITIAL QC-BLS
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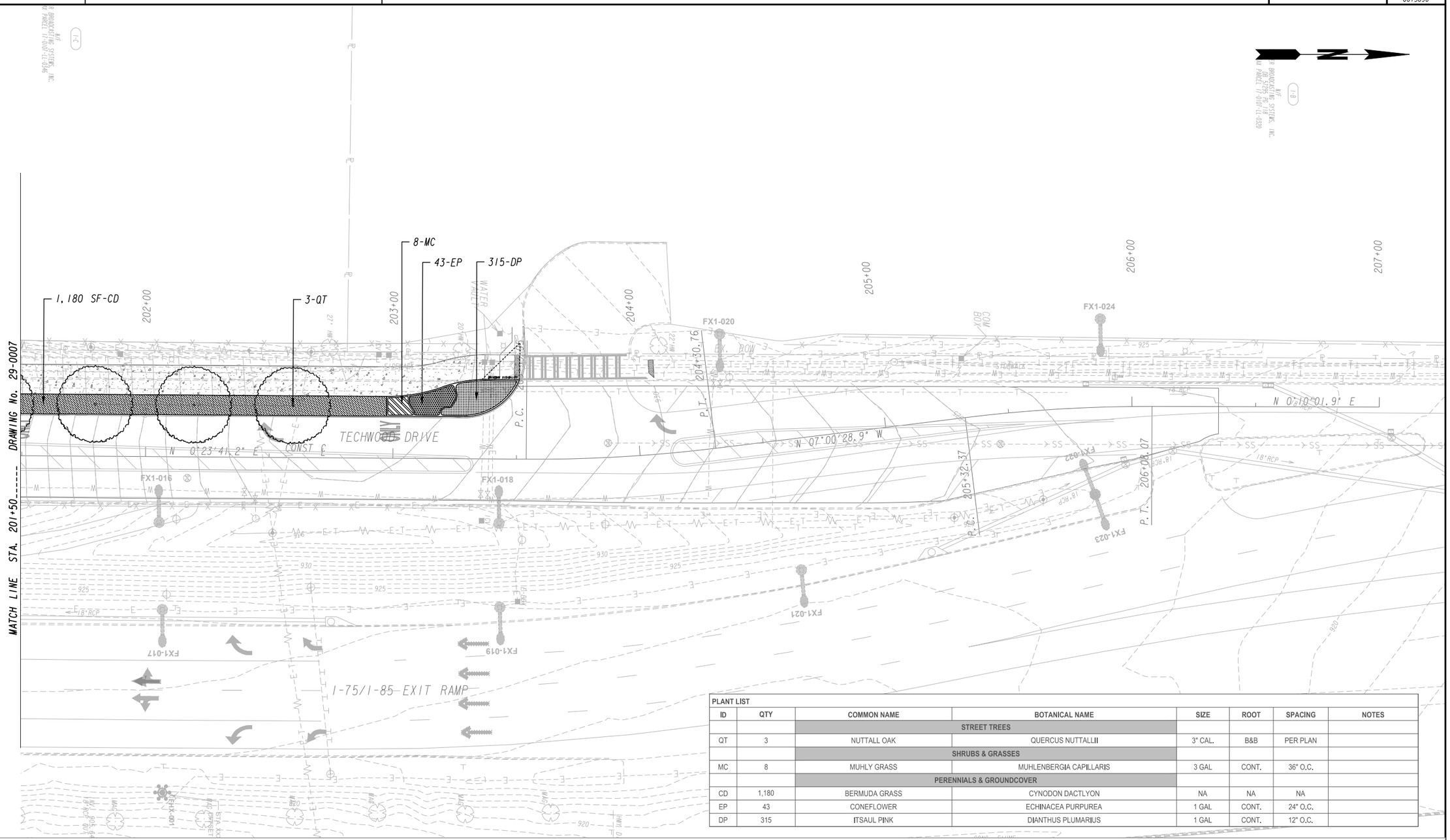
LANDSCAPE PLANTING PLANS
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		29-0008
VERIFIED:		DATE:		



PLANT LIST							
ID	QTY	COMMON NAME	BOTANICAL NAME	SIZE	ROOT	SPACING	NOTES
		STREET TREES					
QT	3	NUTTALL OAK	QUERCUS NUTTALLII	3" CAL.	B&B	PER PLAN	
		SHRUBS & GRASSES					
MC	8	MUHLY GRASS	MUHLENBERGIA CAPILLARIS	3 GAL	CONT.	36" O.C.	
		PERENNIALS & GROUNDCOVER					
CD	1,180	BERMUDA GRASS	CYNODON DACTLYON	NA	NA	NA	
EP	43	CONEFLOWER	ECHINACEA PURPUREA	1 GAL	CONT.	24" O.C.	
DP	315	ITSAUL PINK	DIANTHUS PLUMARIUS	1 GAL	CONT.	12" O.C.	

PROPERTY AND EXISTING R/W LINE
WATER LINE
TELEPHONE LINE
GAS LINE
SANITARY SEWER

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REVISION DATES

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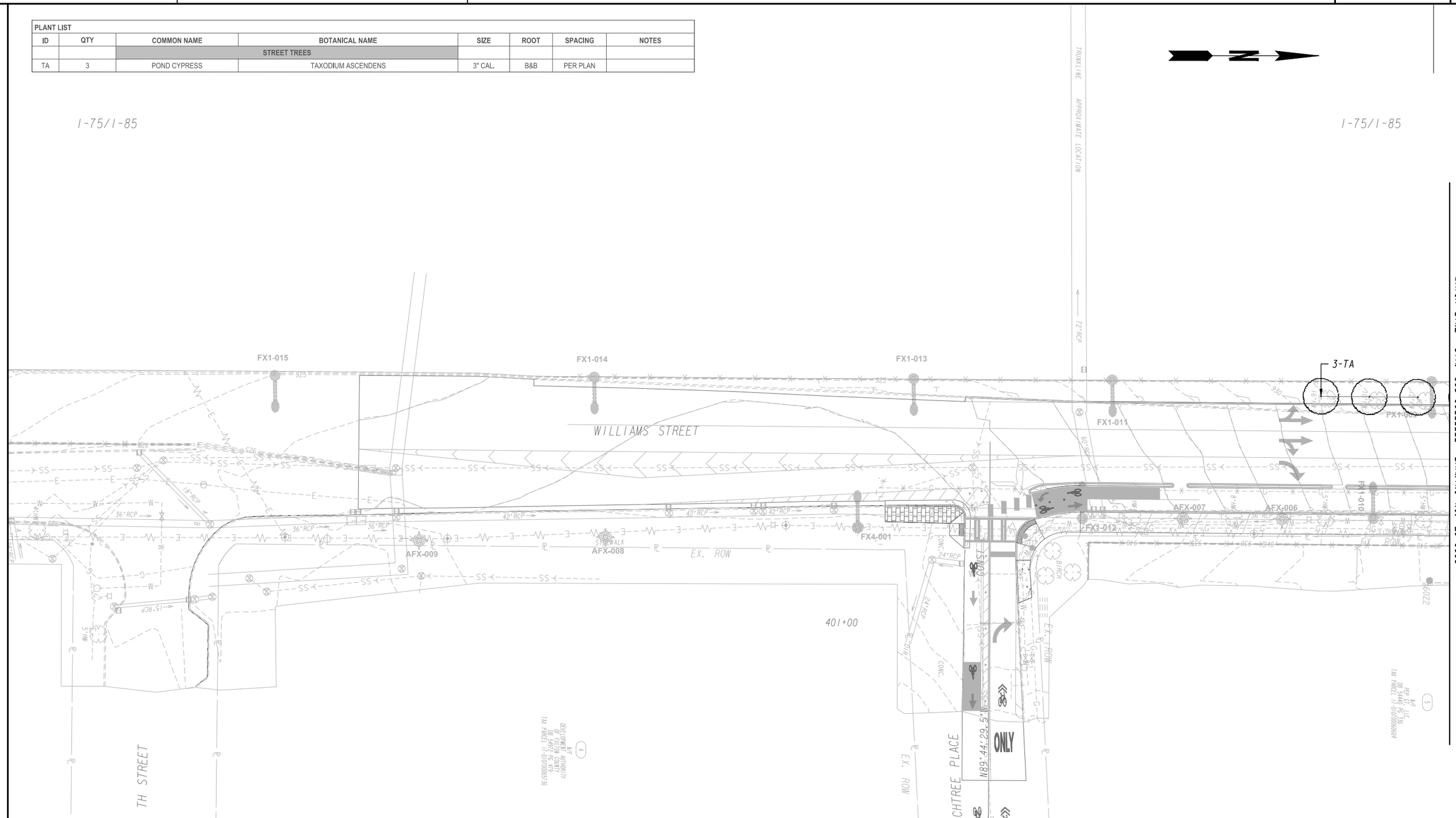
LANDSCAPE PLANTING PLANS
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		29-0009
CORRECTED:		DATE:		
VERIFIED:		DATE:		

PLANT LIST							
ID	QTY	COMMON NAME	BOTANICAL NAME	SIZE	ROOT	SPACING	NOTES
		STREET TREES					
TA	3	POND CYPRESS	TAXODIUM ASCENDENS	3" CAL.	B&B	PER PLAN	



GENERAL NOTES:

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PROPERTY AND EXISTING R/W LINE
WATER LINE
TELEPHONE LINE
GAS LINE
SANITARY SEWER

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SCALE IN FEET
0 20 40 80

REVISION DATES		
0	9/22/22	INITIAL QC-BLS
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LANDSCAPE PLANTING PLANS
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT

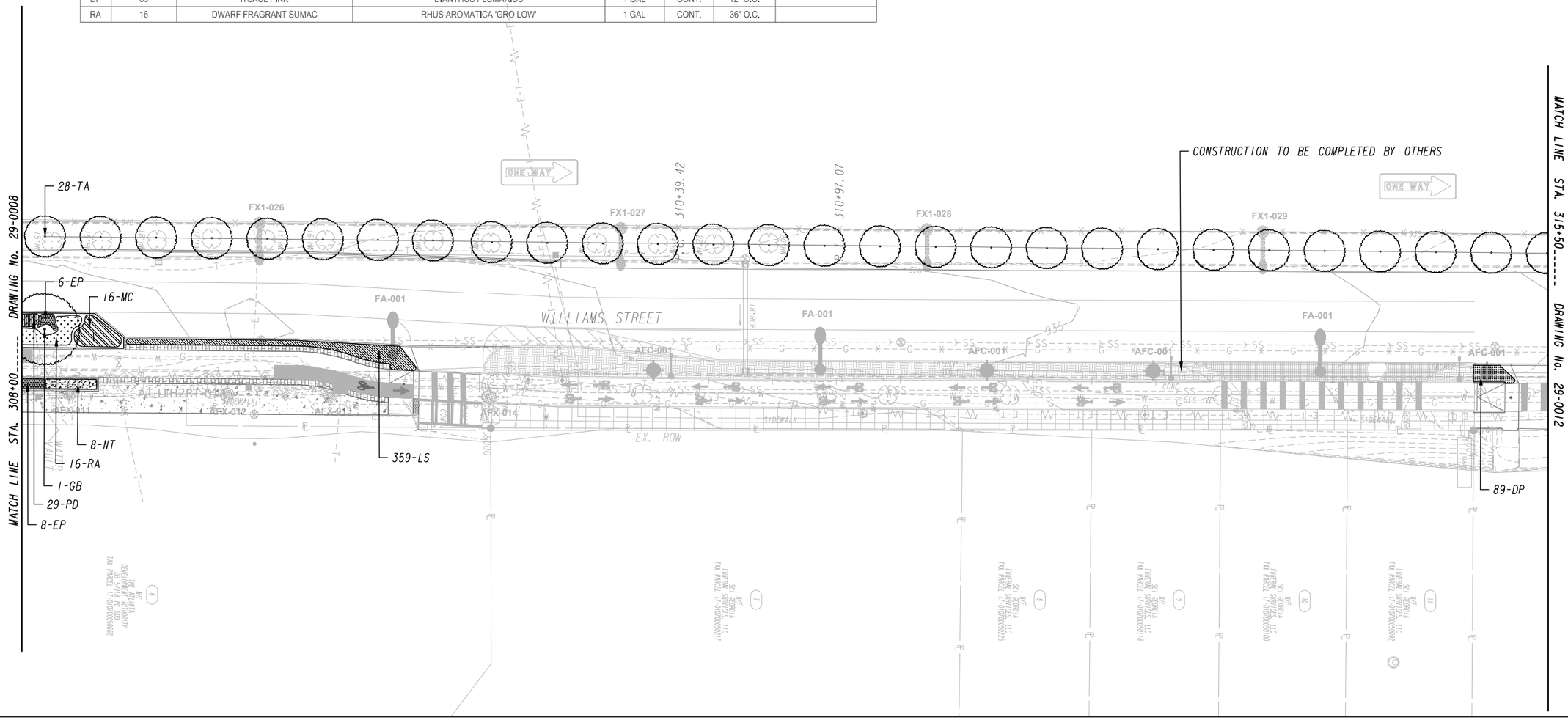
CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		29-0010
CORRECTED:		DATE:		
VERIFIED:		DATE:		

-85

PLANT LIST							
ID	QTY	COMMON NAME	BOTANICAL NAME	SIZE	ROOT	SPACING	NOTES
		STREET TREES					
GB	1	MAIDENHAIR TREE	GINKGO BILOBA	3" CAL.	B&B	PER PLAN	
TA	28	POND CYPRESS	TAXODIUM ASCENDENS	3" CAL.	B&B	PER PLAN	
		SHRUBS & GRASSES					
NT	8	MEXICAN FEATHER GRASS	NASSELLA TENUISSIMA	3 GAL	CONT.	36" O.C.	
MC	16	MUHLY GRASS	MUHLENBERGIA CAPILLARIS	3 GAL	CONT.	36" O.C.	
		PERENNIALS & GROUNDCOVER					
EP	14	CONEFLOWER	ECHINACEA PURPUREA	1 GAL	CONT.	24" O.C.	
LS	359	CREEPING LILY TURF	LIRIOPE SPICATA	4" POT	CONT.	12" O.C.	
PD	29	PHLOX	PHLOX DIVARICATA 'BLUE MOON'	1 GAL	CONT.	12" O.C.	
DP	89	ITSAUL PINK	DIANTHUS PLUMARIUS	1 GAL	CONT.	12" O.C.	
RA	16	DWARF FRAGRANT SUMAC	RHUS AROMATICA 'GRO LOW'	1 GAL	CONT.	36" O.C.	

N

I-75/I-85



GENERAL NOTES:

1. ENSURE ADEQUATE WATERING AND PROPER MAINTENANCE MEASURES FOR TAXODIUM ASCENDENS FOLLOWING INSTALLATION TO PROMOTE PROPER GROWTH AND ESTABLISHMENT UNTIL ADAPTED TO DRIER SOILS. SEE REQUIREMENTS OF SUBSECTION 702.3.07 IN SPECIFICATIONS.

PROPERTY AND EXISTING R/W LINE —— PL ——
WATER LINE - - -W- - -
TELEPHONE LINE - - -T- - -
GAS LINE - - -G- - -
SANITARY SEWER - - -SS- - -

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SCALE IN FEET
0 20 40 80

REVISION DATES

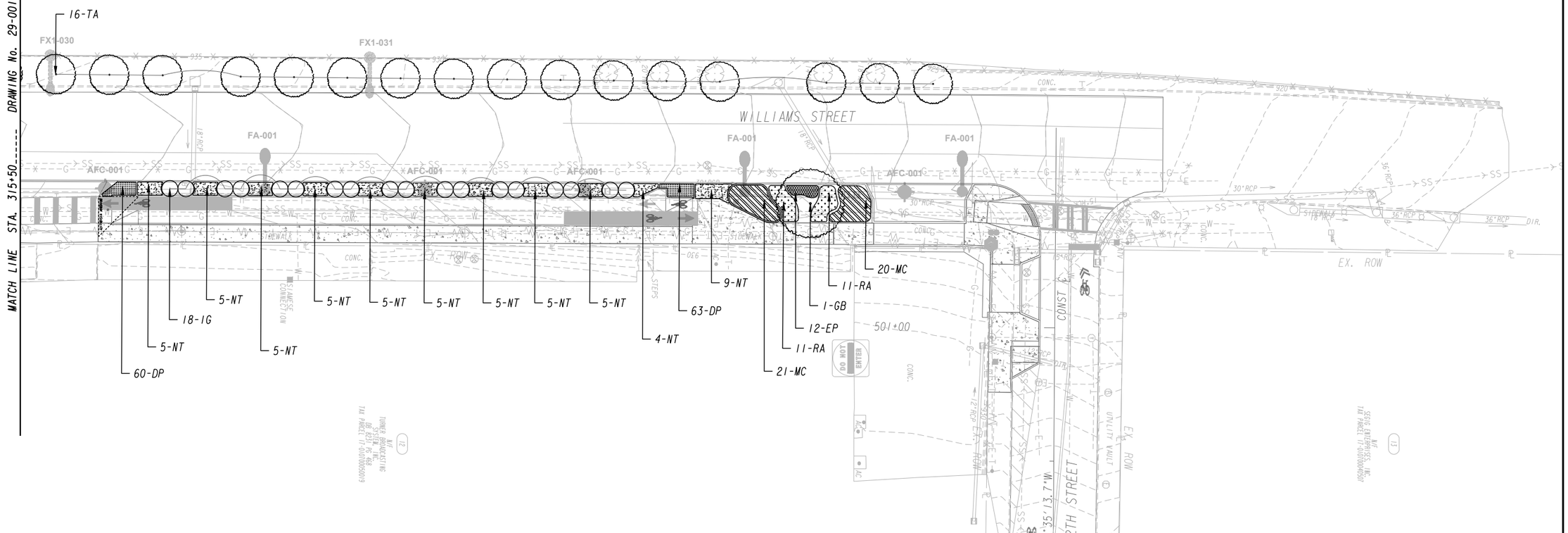
0	9/22/22	INITIAL QC-BLS
1	7/31/2023	UPDATED GRADING
2	11/6/2023	PRE-BID QC-BLS

LANDSCAPE PLANTING PLANS
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		29-0011
CORRECTED:		DATE:		
VERIFIED:		DATE:		

PLANT LIST							
ID	QTY	COMMON NAME	BOTANICAL NAME	SIZE	ROOT	SPACING	NOTES
		STREET TREES					
TA	16	POND CYPRESS	TAXODIUM ASCENDENS	3" CAL.	B&B	PER PLAN	
GB	1	MAIDENHAIR TREE	GINKGO BILOBA	3" CAL.	B&B	PER PLAN	
		SHRUBS & GRASSES					
IG	18	INKBERRY HOLLY	ILEX GLABRA	3 GAL	CONT.	36" O.C.	
NT	58	MEXICAN FEATHER GRASS	NASSELLA TENUISSIMA	3 GAL	CONT.	36" O.C.	
MC	41	MUHLY GRASS	MUHLENBERGIA CAPILLARIS	3 GAL	CONT.	36" O.C.	
		PERENNIALS & GROUNDCOVER					
DP	123	ITSAUL PINK	DIANTHUS PLUMARIUS	1 GAL	CONT.	12" O.C.	
RA	22	DWARF FRAGRANT SUMAC	RHUS AROMATICA 'GRO LOW'	1 GAL	CONT.	36" O.C.	
EP	12	CONEFLOWER	ECHINACEA PURPUREA	1 GAL	CONT.	24" O.C.	

I-75/I-85



GENERAL NOTES:

1. ENSURE ADEQUATE WATERING AND PROPER MAINTENANCE MEASURES FOR TAXODIUM ASCENDENS FOLLOWING INSTALLATION TO PROMOTE PROPER GROWTH AND ESTABLISHMENT UNTIL ADAPTED TO DRIER SOILS. SEE REQUIREMENTS OF SUBSECTION 702.3.07 IN SPECIFICATIONS.

PROPERTY AND EXISTING R/W LINE ——℄——
WATER LINE - - -W- - -
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LANDSCAPE PLANTING PLANS
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT

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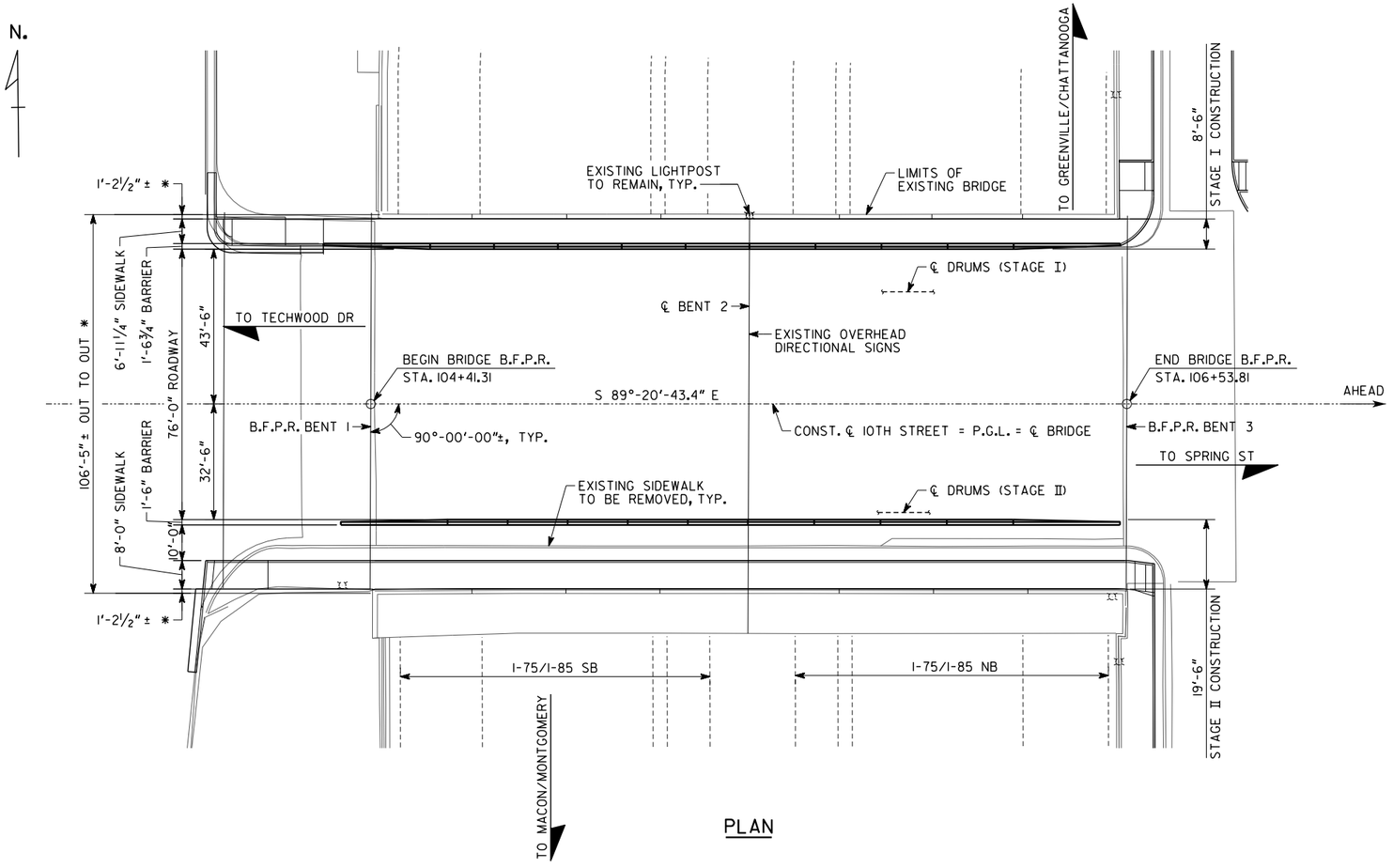
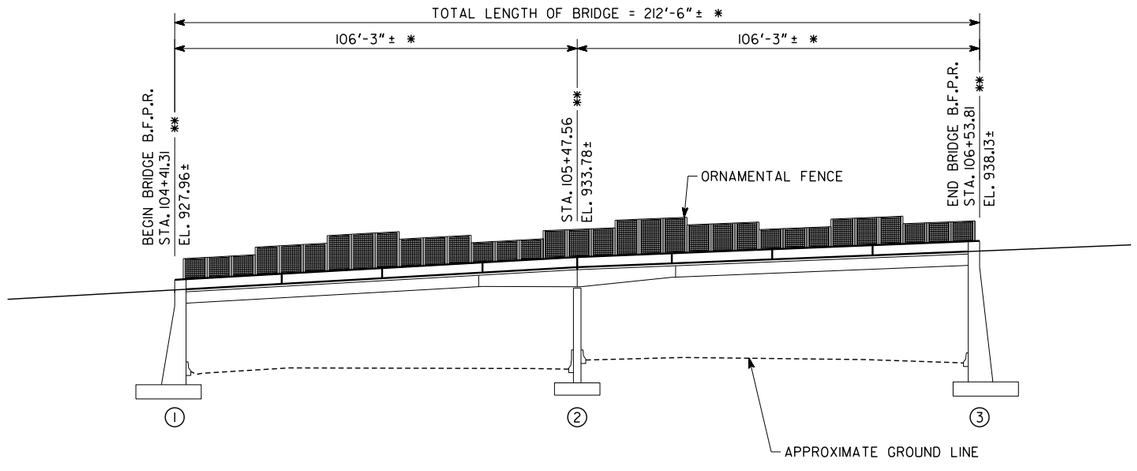


PLAN



ELEVATION

STATION	EXISTING GRADE EL.	PROPOSED GRADE EL.
104+00.00	925.14	925.14
104+50.00	928.46	928.49
105+00.00	931.36	931.39
105+50.00	933.90	933.93
106+00.00	936.17	936.20
106+50.00	938.00	938.03
107+00.00	939.60	939.60

PROFILE ALONG EXISTING
10TH STREET SURVEY

NOTES:

1. ✳ DIMENSIONS SHOWN ARE BASED ON EXISTING BRIDGE PLANS. BEGIN AND END BRIDGE STATIONS ARE BASED ON THESE DIMENSIONS. VERIFY EXISTING ELEMENTS AND NOTIFY ENGINEER IMMEDIATELY OF DISCREPANCIES THAT MAY IMPACT THE PROPOSED WORK.
2. ✳✳ STATIONS AND ELEVATIONS ARE ALONG PROFILE GRADE LINE AT INTERSECTION OF PROFILE GRADE LINE AND B.F.P.R. OR ℄ BENT.

BRIDGE SERIAL NO. 121-0407-0
BRIDGE I.D. NO. 121-09149M-001.12E
PROJECT P.I. NO. 0015890

BRIDGE NO. 1

Kimley»Horn
Engineering, Planning, and Environmental Consultants
817 West Peachtree Street, NW, Suite 601
Atlanta, Georgia 30308

GEORGIA REGISTERED No. PE039590 PROFESSIONAL ENGINEER NATHAN MICHAEL CURRIER 10/27/2022

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

PLAN AND ELEVATION
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT
FULTON COUNTY 0015890

SCALE: 1" = 20'-0" OCTOBER 2022

DESIGNED CJS | CHECKED NMC | REVIEWED DLC/SKG
DRAWN KAG | DESIGN GROUP SKG | APPROVED DPD

DRAWING NO. 35-0001
BRIDGE SHEET 1 OF 9

REVISIONS | DATE | BY

1 INCH WHEN PRINTED FULL SIZE

P.I. NO. 0015890

918536 AM
10/27/2022
kelley.glynn
35-0001_PE.dgn

P.I. NO. 0015890

WORK CONSISTS OF

REMOVAL AND REPLACEMENT OF SIDEWALKS ON BRIDGE ---------- SPECIAL DESIGN

INTERIOR CONCRETE BARRIERS ---------- SPECIAL DESIGN

ORNAMENTAL FENCE ELEMENTS ---------- SPECIAL DESIGN

BAR BENDING DETAILS ---------- GA. STD. 3901 (8-69)

TRAFFIC DATA

TRAFFIC ---------- ADT = 38,475 (2024)
ADT = 46,450 (2044)

DESIGN SPEED ---------- 35 MPH

TRUCKS ---------- 7.50%

EXISTING UTILITIES

WATER MAIN ---------- CITY OF ATLANTA

TELEPHONE CONDUITS ---------- AT&T AND CENTURY LINK

GAS MAIN ---------- ATLANTA GAS LIGHT COMPANY

ELECTRICAL CONDUITS ---------- GEORGIA POWER COMPANY AND CITY OF ATLANTA

FIBER CONDUITS ---------- LEVEL 3 / CENTURY LINK

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. MAINTAIN 2 INCH MINIMUM CLEARANCE ON ALL REINFORCEMENT UNLESS OTHERWISE NOTED.

CHAMFER - CHAMFER ALL EXPOSED CONCRETE EDGES 3/4" UNLESS OTHERWISE NOTED.

PROTECTIVE PLATFORMS - PROVIDE PROTECTIVE PLATFORMS AT THIS SITE, SEE SECTION 510 OF THE GEORGIA DOT SPECIFICATIONS. MAINTAIN VERTICAL CLEARANCES OVER I-75/I-85 THAT ARE CURRENTLY PROVIDED BY EXISTING BRIDGE.

TRAFFIC CONTROLS - SEE ROADWAY PLANS FOR TRAFFIC CONTROLS AND TRAFFIC CONTROL PAYMENT.

EXISTING BRIDGE PLANS - ORIGINAL BRIDGE PLANS MAY BE OBTAINED ON THE GEORGIA DOT WEBSITE AT:

HTTP://WWW.DOT.GA.GOV/BS/PROJECTS/PROJECTSEARCH

THE ORIGINAL BRIDGE WAS BUILT UNDER PROJECT NUMBER I-75-2(41)256 CT.2 (PROJECT ID NO. 710157-).

DIMENSIONS AND ELEVATIONS - VERIFY ALL DIMENSIONS AND ELEVATIONS IN THE FIELD PRIOR TO ORDERING MATERIALS OR BUILDING FORMS. LIGHT LINES INDICATE THE EXISTING STRUCTURE AND HEAVY LINES INDICATE THE NEW STRUCTURE.

EPOXY RESIN ADHESIVE - APPLY EPOXY RESIN ADHESIVE TYPE II TO ALL HARDENED CONCRETE SURFACES JUST PRIOR TO POURING THE CONCRETE FOR THE NEXT STAGE OF CONSTRUCTION, SEE SECTION 886 OF THE GEORGIA DOT SPECIFICATIONS. INCLUDE THE COST OF EPOXY ADHESIVE AND APPLICATION IN THE OVERALL BID SUBMITTED.

LIGHTWEIGHT CONCRETE - FOR SIDEWALKS AND BARRIERS, USE LIGHTWEIGHT CONCRETE IN ACCORDANCE WITH SPECIAL PROVISION 500. INCLUDE ALL COSTS ASSOCIATED WITH PROVIDING LIGHTWEIGHT CONCRETE IN THE PRICE BID FOR "LUMP - SUPERSTR CONCRETE" FOR SIDEWALKS AND "CONCRETE BARRIER" FOR BARRIERS.

GENERAL NOTES CONT.

GROOVED CONCRETE - FOR STAGE 2, GROOVE THE NEWLY EXPOSED AREA OF SLAB BENEATH THE EXISTING SIDEWALK TRANSVERSELY AS PER SUB-SECTION 500.3.05.T.9.C OF THE GEORGIA DOT SPECIFICATIONS.

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. ALL ALUMINUM WELDING SHALL BE DONE IN ACCORDANCE WITH THE AMERICAN WELDING SOCIETY. STRUCTURAL WELDING CODE (ALUMINUM) ANSI/AWS D1.2 (CURRENT EDITION). FILLER MATERIAL SHALL BE EITHER ER5183, ER5356 OR ER 5556.

GRINDING OF EXISTING SIDEWALK - AFTER REMOVING THE EXISTING SIDEWALK TO WITHIN 1/2" OF THE FINISHED ROADWAY SURFACE, CUT THE VERTICAL REINFORCING STEEL 1 1/2" BELOW THE FINISHED ROADWAY SURFACE AND FILL THE REMAINING VOID WITH AN APPROVED EPOXY GROUT. THEN GRIND THE REMAINING SIDEWALK FLUSH WITH THE FINISHED ROADWAY SURFACE. INCLUDE THE COST OF THIS WORK IN PRICE BID FOR "LUMP - REMOVAL OF PARTS OF EXISTING BR."

EXISTING BRIDGE JOINTS - CLEAN EXISTING BRIDGE EXPANSION JOINTS OF ALL DIRT, REFUSE, AND EXISTING SEALANT AND SEAL JOINTS USING PREFORMED SILICONE JOINT SEAL. INCLUDE THE COST OF MATERIALS AND INSTALLATION IN THE PRICE BID FOR "PREFORMED SILICONE JOINT SEAL."

EXISTING BRIDGE JOINTS - CLEAN EXISTING BRIDGE CONSTRUCTION AND DUMMY JOINTS OF ALL DIRT, REFUSE AND EXISTING SEALANT AS PER SUB-SECTIONS 461.3.05.A OF THE GEORGIA DOT SPECIFICATIONS. SEAL JOINTS USING SILICONE SEALANT (TYPE B, C OR D) AS PER SUB-SECTIONS 461.3.05.C AND 833.2.06 OF THE GEORGIA DOT SPECIFICATIONS. INCLUDE THE COST OF MATERIALS AND INSTALLATION IN THE OVERALL BID SUBMITTED.

BRIDGE REMOVAL - REMOVE PARTS OF THE EXISTING BRIDGE AS PER SUB-SECTION 540.3.05 OF THE GEORGIA DOT SPECIFICATIONS.

SPECIAL CONCRETE SURFACE COATING FINISH - APPLY A TYPE III - SPECIAL SURFACE COATING FINISH PER SPECIAL PROVISION SECTION 500 TO THE SURFACES IDENTIFIED IN THE PLANS.

SALVAGE MATERIAL - NO MATERIAL REMOVED FROM THE EXISTING STRUCTURE SHALL BE SALVAGED FOR USE BY THE GEORGIA DOT.

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 WATERPROOFING, JOINT FILLERS AND OTHER INCIDENTAL ITEMS NECESSARY TO COMPLETE THE WORK.

FABRICATION OF ORNAMENTAL FENCE - FABRICATOR OF ORNAMENTAL FENCE SHALL BE APPROVED ON GDOT QPL-59- MISCELLANEOUS METAL FABRICATORS.

DESIGN DATA

SPECIFICATIONS ---------- AASHTO 17TH EDITION, 2002
(DESIGNED FOR SEISMIC PERFORMANCE CATEGORY A)

TYPICAL HS20-44 AND/OR MILITARY LOADING ---------- IMPACT ALLOWED

FUTURE PAVING ALLOWANCE ---------- 30 LBS PER SQ FT

CONCRETE: SUPERSTRUCTURE ---------- CLASS AA, f'_c = 3,500 PSI

BARRIER ---------- CLASS AA, f'_c = 3,500 PSI

REINFORCEMENT STEEL: ---------- GRADE 60, f_y = 60,000 PSI

ORNAMENTAL FENCE ELEMENTS: ---------- AASHTO 17TH EDITION, 2002
STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, 6TH EDITION, 2013

SUMMARY OF QUANTITIES

PAY ITEM NUMBER	QUANTITY	UNIT	PAY ITEM
449-1350	213	LF	PREFORMED SILICONE JOINT SEAL, BR NO - 1
500-0100	95	SY	GROOVED CONCRETE
500-1006	LUMP	LS	SUPERSTR CONCRETE, CL AA, BR NO - 1 (44)
500-2100	443	LF	CONCRETE BARRIER
511-3000	LUMP	LS	SUPERSTR REINF STEEL, BR NO - 1 (4327)
514-1000	LUMP	LS	EPOXY COATED SUPERSTR REINF STEEL, BR NO - 1 (10792)
519-0515	2031	SY	SURFACE PREPARATION
519-0530	2031	SY	POLYMER OVERLAY
540-1202	LUMP	LS	REMOVAL OF PARTS OF EXISTING BR, BR NO - 1
643-8300	425	LF	ORNAMENTAL FENCE

BRIDGE NO. 1

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

GENERAL NOTES
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT
FULTON COUNTY 0015890

NO SCALE OCTOBER 2022

DESIGNED CJS | CHECKED NMC | REVIEWED DLC/SKG
DRAWN KAG | DESIGN GROUP SKG | APPROVED DPD

DRAWING NO. 35-0002
BRIDGE SHEET 2 OF 9

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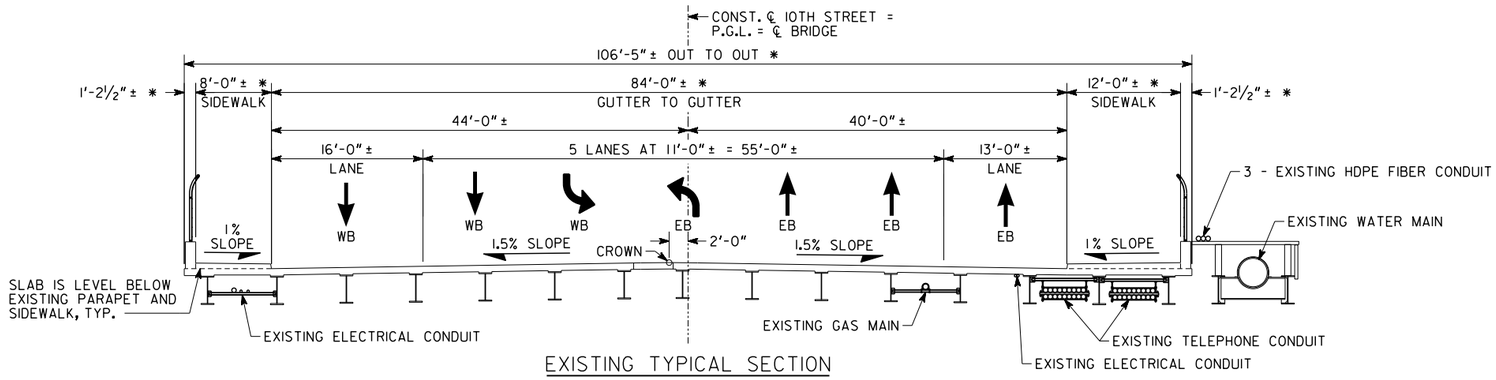
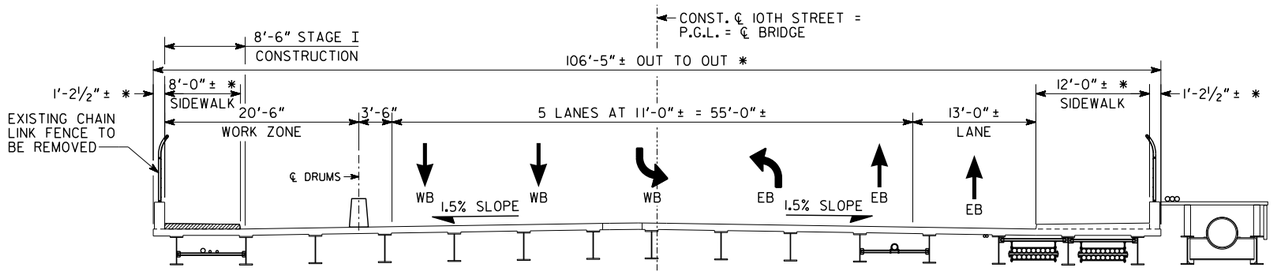
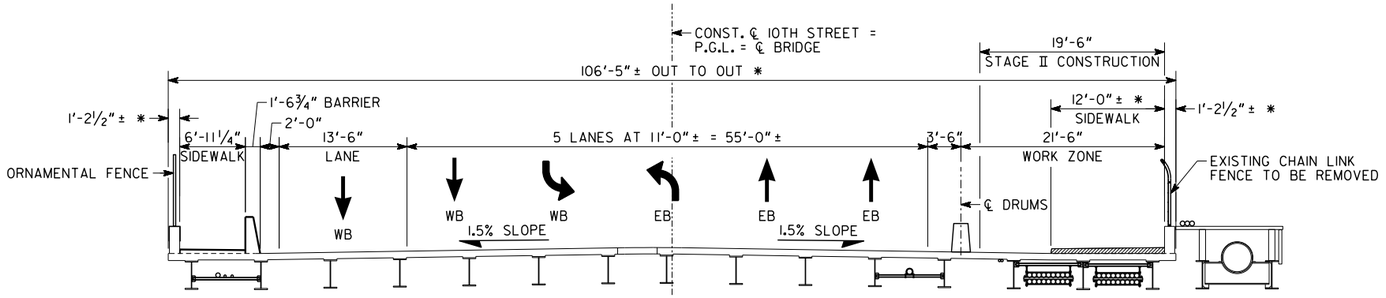


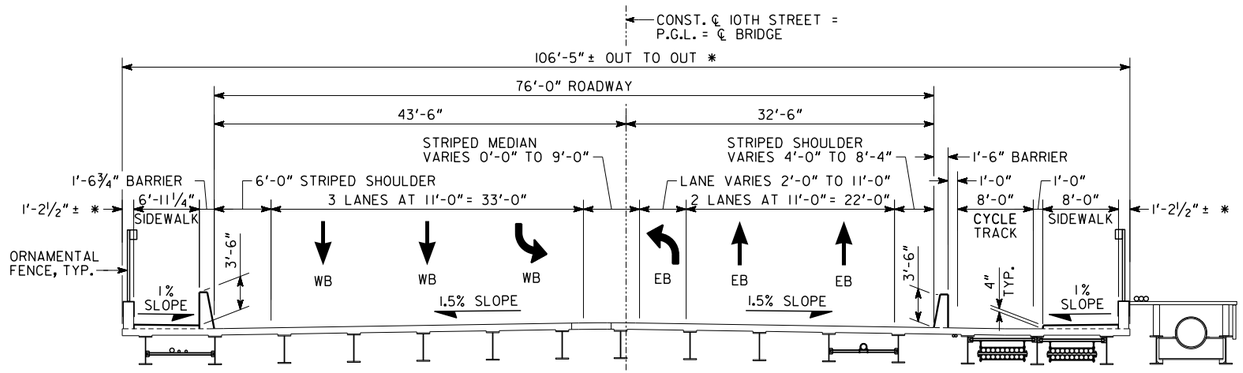
EXISTING TYPICAL SECTION



TYPICAL SECTION - STAGE I



TYPICAL SECTION - STAGE II



TYPICAL SECTION - FINAL CONSTRUCTION

CONSTRUCTION SEQUENCE

1. SHIFT TRAFFIC FOR STAGE I CONSTRUCTION, MAINTAINING 5 - 11'-0" TRAFFIC LANES AND 1 - 13'-0" TRAFFIC LANE. MAINTAIN PEDESTRIAN TRAFFIC ON EXISTING 12'-0" SIDEWALK ON SOUTH SIDE OF BRIDGE.
2. REMOVE EXISTING SIDEWALK AND FENCE ON NORTH SIDE OF BRIDGE.
3. BUILD STAGE I ACCORDING TO THE PLANS.
4. SHIFT TRAFFIC FOR STAGE II CONSTRUCTION, MAINTAINING 5 - 11'-0" TRAFFIC LANES AND 1 - 13'-6" TRAFFIC LANE. MAINTAIN PEDESTRIAN TRAFFIC ON 6'-11¼" SIDEWALK ON NORTH SIDE OF BRIDGE.
5. REMOVE EXISTING SIDEWALK AND FENCE ON SOUTH SIDE OF BRIDGE.
6. BUILD STAGE II ACCORDING TO THE PLANS.
7. DURING OVERNIGHT CLOSURE, REPLACE EXISTING JOINTS IN BRIDGE DECK OVER FULL WIDTH OF BRIDGE.
8. DURING WEEKEND CLOSURE, APPLY ⅜" TWO-PART POLYMER OVERLAY TO WIDTH OF BRIDGE DECK.
9. OPEN COMPLETED BRIDGE TO TRAFFIC.

THE AFOREMENTIONED SEQUENCE SHALL BE COORDINATED WITH ROADWAY OPERATIONS, SEE ROADWAY PLANS. IN LIEU OF THE ABOVE CONSTRUCTION SEQUENCE, THE CONTRACTOR MAY SUBMIT A PROPOSED CONSTRUCTION SEQUENCE FOR APPROVAL BY THE ENGINEER.

NOTES:

INDICATES REMOVAL

* DIMENSIONS SHOWN ARE BASED ON EXISTING BRIDGE PLANS. VERIFY EXISTING ELEMENTS AND NOTIFY ENGINEER IMMEDIATELY OF DISCREPANCIES THAT MAY IMPACT THE PROPOSED WORK.

1 INCH WHEN PRINTED FULL SIZE

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0015890

BRIDGE NO. 1

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

CONSTRUCTION SEQUENCE
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT
FULTON COUNTY 0015890

SCALE: ⅛" = 1'-0" OCTOBER 2022

DESIGNED CJS | CHECKED NMC | REVIEWED DLC/SKG
DRAWN KAG | DESIGN GROUP SKG | APPROVED DPD

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BRIDGE SHEET 3 OF 9

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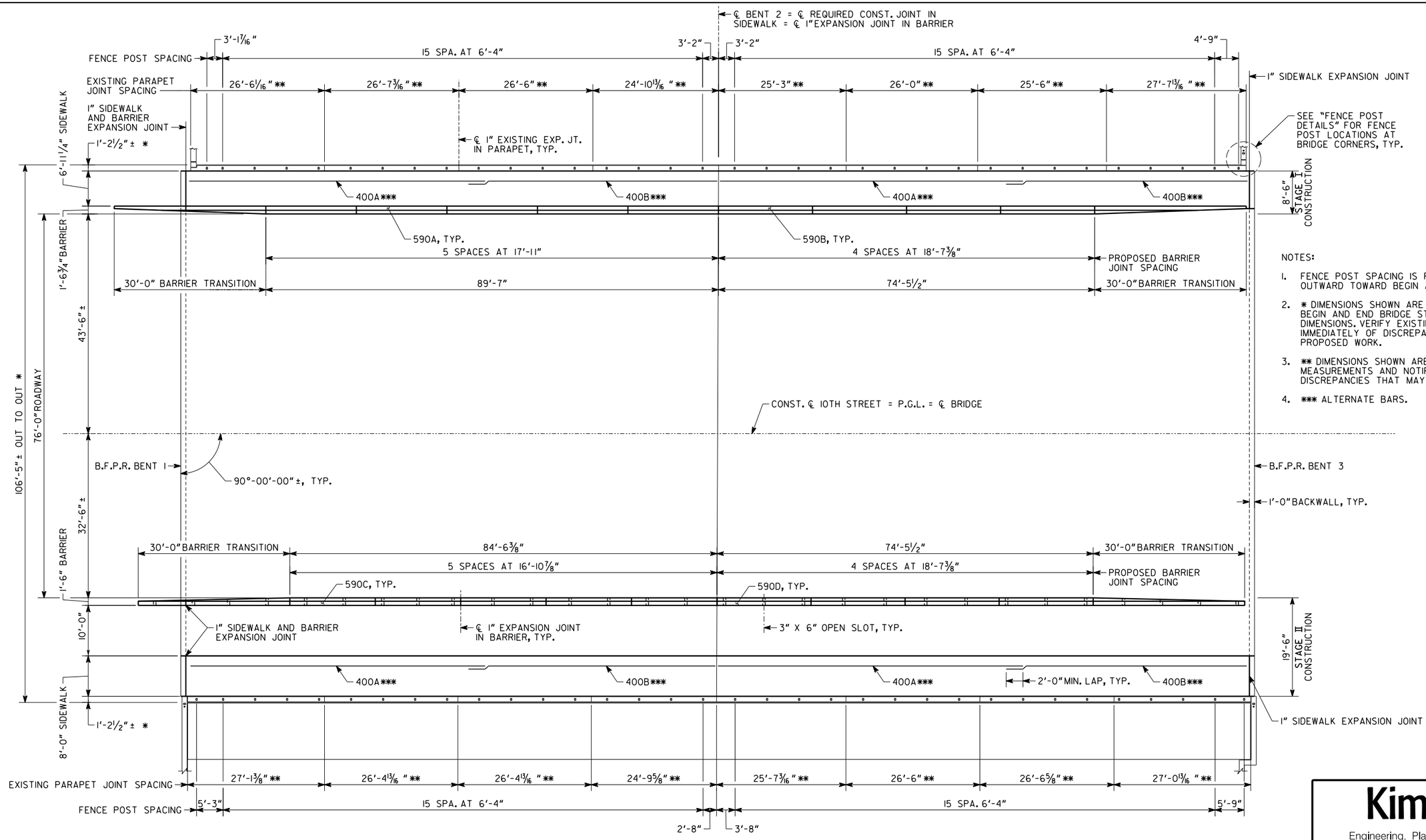

SPAN 1

SPAN 2

DECK PLAN

NOTES:

1. FENCE POST SPACING IS REFERENCED FROM ℄ BENT 2, MOVING OUTWARD TOWARD BEGIN AND END OF BRIDGE.
2. * DIMENSIONS SHOWN ARE BASED ON EXISTING BRIDGE PLANS. BEGIN AND END BRIDGE STATIONS ARE BASED ON THESE DIMENSIONS. VERIFY EXISTING ELEMENTS AND NOTIFY ENGINEER IMMEDIATELY OF DISCREPANCIES THAT MAY IMPACT THE PROPOSED WORK.
3. ** DIMENSIONS SHOWN ARE BASED FIELD MEASUREMENTS. VERIFY MEASUREMENTS AND NOTIFY ENGINEER IMMEDIATELY OF DISCREPANCIES THAT MAY IMPACT THE PROPOSED WORK.
4. *** ALTERNATE BARS.

SUPERSTRUCTURE QUANTITIES	
ITEM	TOTAL
LUMP - CY SUPERSTR CONCRETE, CLASS AA	44
LUMP - LB SUPERSTR REINF STEEL	4327
LUMP - LB EPOXY COATED SUPERSTR REINF STEEL	10795

ALL X80 AND X90 SERIES BARS SHALL BE EPOXY COATED.

CONCRETE FOR BARRIER, INCLUDING BARRIER TRANSITIONS ON APPROACH SLAB, INCLUDED IN CONCRETE BARRIER QUANTITY.

BAR REINF STEEL FOR BARRIER, INCLUDING BARRIER TRANSITIONS ON APPROACH SLAB, INCLUDED IN EPOXY COATED SUPERSTR REINF STEEL QUANTITY.

SIDEWALKS OVER APPROACH SLAB ARE INCLUDED IN ROADWAY PAY ITEM QUANTITIES.

1 INCH WHEN PRINTED FULL SIZE

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BRIDGE NO. 1

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

DECK PLAN
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT
FULTON COUNTY 0015890

SCALE: 1" = 10'-0" OCTOBER 2022

DESIGNED BMR | CHECKED NMC | REVIEWED DLC/SKG
DRAWN KAG | DESIGN GROUP SKG | APPROVED DPD

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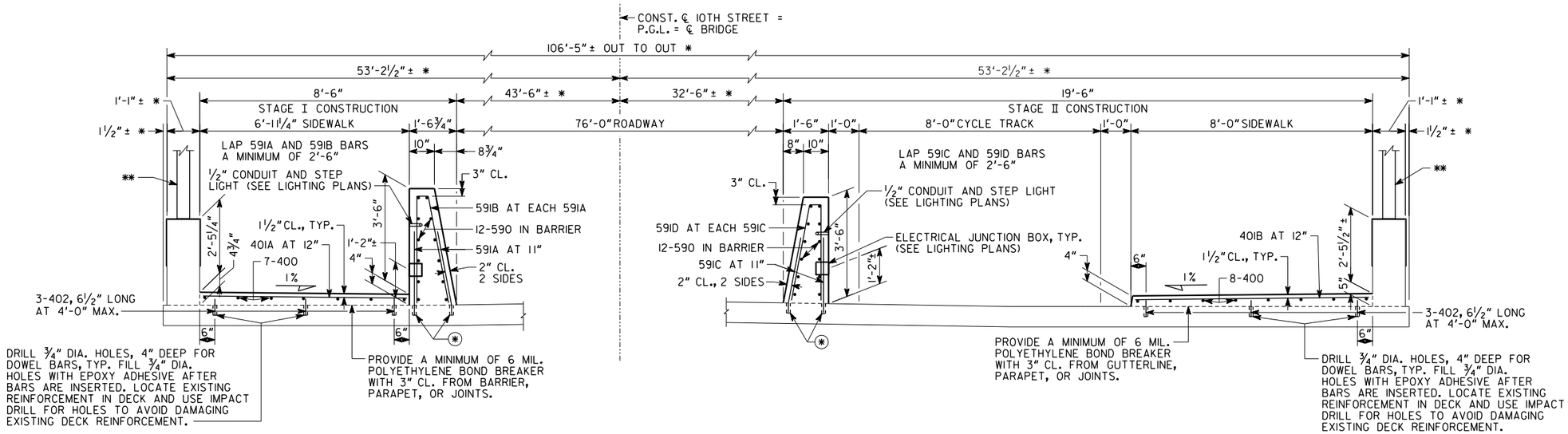
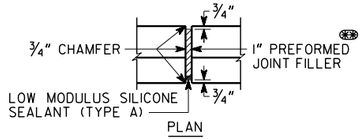


SIDEWALK AND BARRIER DETAILS

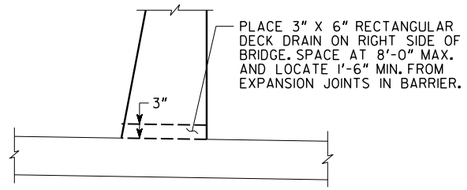
NOTES:

1. INCLUDE COST OF BOND BREAKER AND EPOXY ADHESIVE IN PRICE BID FOR "LUMP - SUPERSTR CONCRETE".
2. ALL BARRIER REBAR SHALL BE EPOXY COATED.
3. SEE 38-SERIES PLANS FOR ARCHITECTURAL TREATMENT TO BE APPLIED TO PROPOSED BARRIERS AND EXISTING PARAPETS.
4. BARRIERS AND SIDEWALKS SHALL MEET A ⅛ INCH IN 10 FT STRAIGHTEDGE CHECK MADE LONGITUDINALLY AND TRANSVERSELY. STRAIGHTEDGE SHALL BE ATTACHED TO A BROOM-TYPE HANDLE FOR EASY CONTROL AND USE.
5. ORNAMENTAL FENCE HEIGHT VARIES FORM 8'-0" MIN. TO 12'-0" MAX. MEASURED FROM TOP OF SIDEWALK.
6. * DIMENSIONS SHOWN ARE BASED ON EXISTING BRIDGE PLANS. VERIFY EXISTING ELEMENTS AND NOTIFY ENGINEER IMMEDIATELY OF DISCREPANCIES THAT MAY IMPACT THE PROPOSED WORK.
7. ** ORNAMENTAL FENCE HEIGHT VARIES FROM 8'-0" MIN. TO 12'-0" MAX. MEASURED FROM TOP OF SIDEWALK.
8. Ⓐ DRILL ⅞" DIA. HOLES, 4" DEEP FOR 591A AND 591C BARS. FILL ⅞" DIA. HOLES WITH EPOXY ADHESIVE AFTER BARS ARE INSERTED. LOCATE EXISTING REINFORCEMENT IN DECK AND USE IMPACT DRILL FOR HOLES TO AVOID DAMAGING EXISTING DECK REINFORCEMENT.



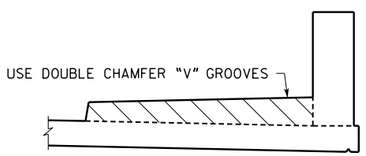
DETAILS OF 1" EXPANSION JOINT IN BARRIER

NO SCALE



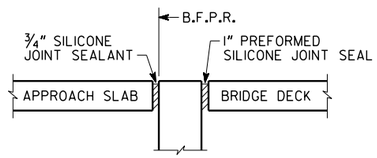
BARRIER DRAIN DETAIL

(RIGHT BARRIER ONLY)

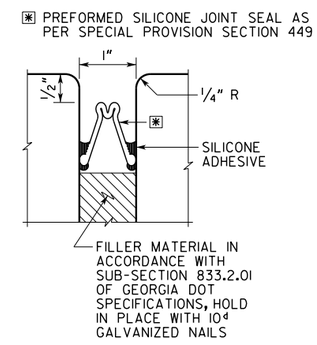


CONST. JOINT DETAIL AT SIDEWALK AND PARAPET

NO SCALE



TYPICAL BRIDGE EXPANSION JOINT DETAIL



EXPANSION JOINT DETAILS

1 INCH WHEN PRINTED FULL SIZE

BRIDGE NO. 1

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

SUPERSTRUCTURE DETAILS (1 OF 2)
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT
FULTON COUNTY 0015890

SCALE: ½" = 1'-0"(UNLESS OTHERWISE NOTED) OCTOBER 2022

DESIGNED BMR | CHECKED NMC | REVIEWED DLC/SKG
DRAWN KAG | DESIGN GROUP SKG | APPROVED DPD

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BRIDGE SHEET 5 OF 9

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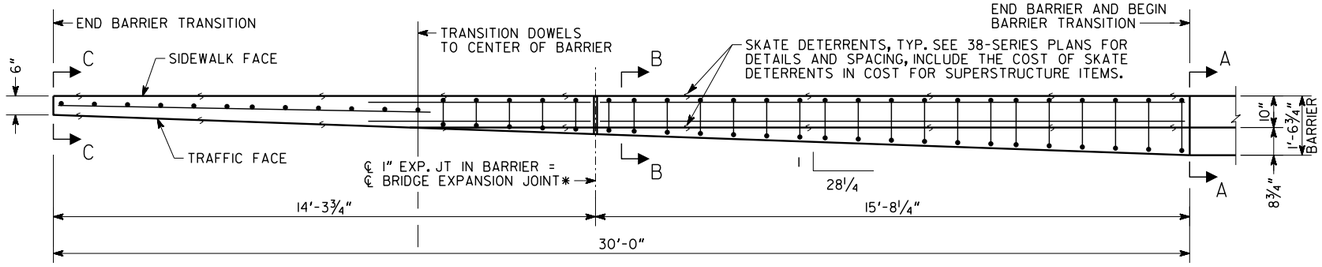
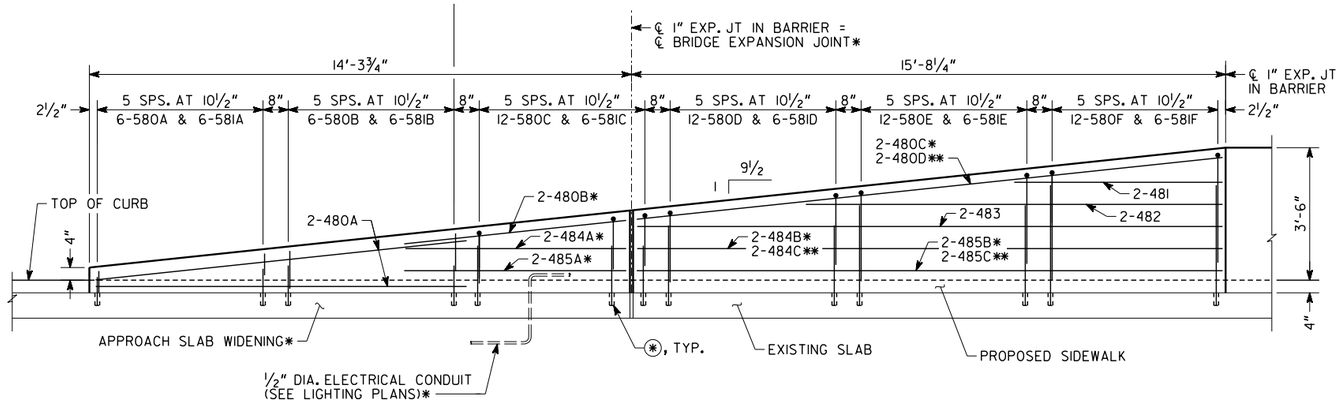
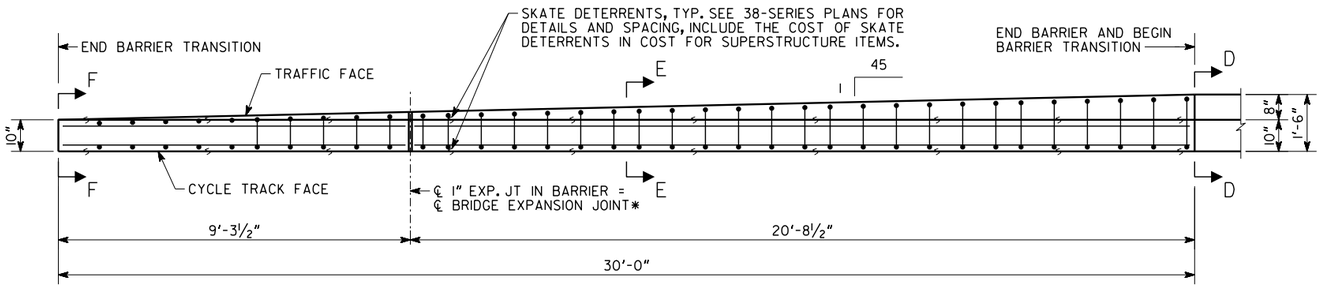


LEFT (NORTH) BARRIER TRANSITION PLAN

(NORTHWEST BARRIER SHOWN, NORTHEAST SIMILAR)

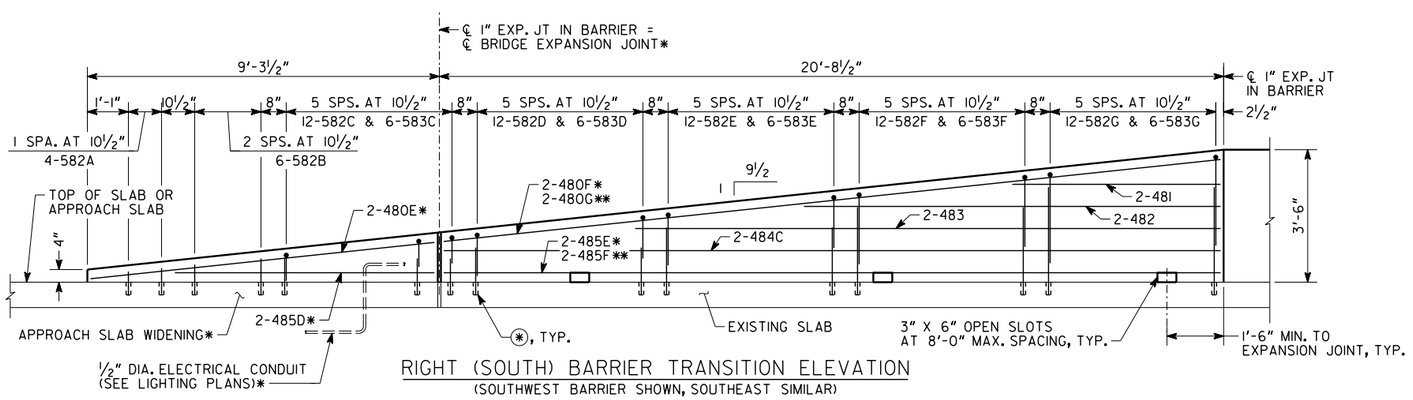


LEFT (NORTH) BARRIER TRANSITION ELEVATION



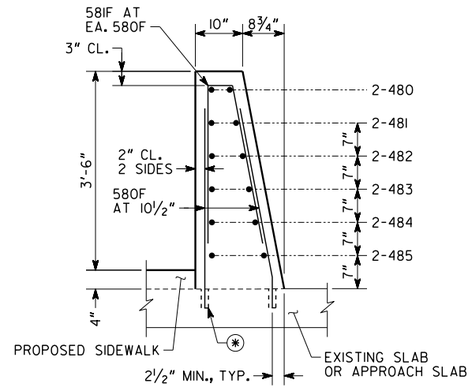
RIGHT (SOUTH) BARRIER TRANSITION PLAN

(SOUTHWEST BARRIER SHOWN, SOUTHEAST SIMILAR)



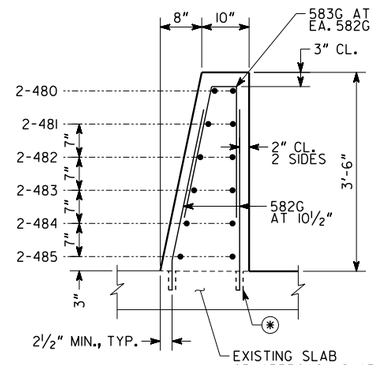
RIGHT (SOUTH) BARRIER TRANSITION ELEVATION

(SOUTHWEST BARRIER SHOWN, SOUTHEAST SIMILAR)



SECTION A-A

(AT BEGIN BARRIER TRANSITION)
SCALE: 1½" = 1'-0"



SECTION D-D

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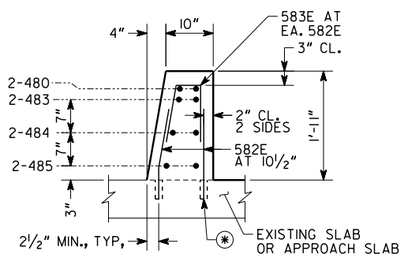

SECTION E-E

(AT MIDPOINT BARRIER TRANSITION)
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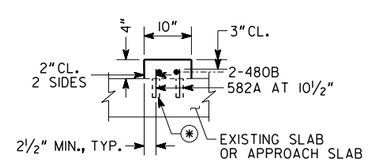
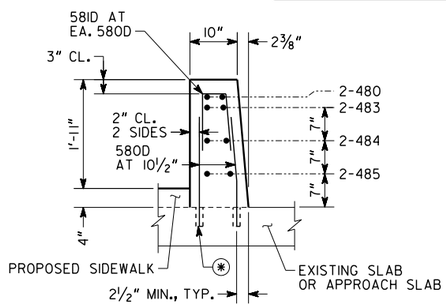


SECTION F-F

(AT END BARRIER TRANSITION)
SCALE: 1½" = 1'-0"

1 INCH WHEN PRINTED FULL SIZE



SECTION B-B

(AT MIDPOINT BARRIER TRANSITION)
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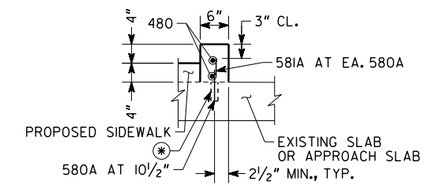

SECTION C-C

(AT END BARRIER TRANSITION)
SCALE: 1½" = 1'-0"

NOTES:

(*) DRILL ⅞"Ø HOLES, 4" DEEP FOR 580 AND 582 BARS. ⅞"Ø HOLES SHALL BE FILLED WITH EPOXY ADHESIVE AFTER BARS ARE INSERTED. LOCATE EXISTING REINFORCEMENT IN DECK AND USE IMPACT DRILL FOR HOLES TO AVOID DAMAGING EXISTING DECK REINFORCEMENT.

481, 482, 483, 484 AND 485 BARS NOT SHOWN IN PLAN FOR CLARITY.

FIELD BEND AND TRIM 580, 581, 582 AND 583 BARS AS NECESSARY TO MAINTAIN REQUIRED CLEARANCE.

ALL BARRIER TRANSITION BARS SHALL BE EPOXY COATED.

INCLUDE THE COST OF EPOXY ADHESIVE IN COST FOR SUPERSTRUCTURE ITEMS.

CONCRETE FOR BARRIER, INCLUDING BARRIER TRANSITIONS ON APPROACH SLAB, INCLUDED IN CONCRETE BARRIER QUANTITY. BAR REINF STEEL FOR BARRIER, INCLUDING BARRIER TRANSITIONS ON APPROACH SLAB, INCLUDED IN EPOXY COATED SUPERSTR REINF STEEL QUANTITY.

* NORTHWEST OR SOUTHWEST BARRIER TRANSITION ONLY

** NORTHEAST OR SOUTHEAST BARRIER TRANSITION ONLY

BRIDGE NO. 1

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

SUPERSTRUCTURE DETAILS (2 OF 2)
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT
FULTON COUNTY 0015890

SCALE: ½" = 1'-0" (UNLESS OTHERWISE NOTED) OCTOBER 2022

DESIGNED BMR	CHECKED NMC	REVIEWED DLC/SKG
DRAWN KAG	DESIGN GROUP SKG	APPROVED DPD

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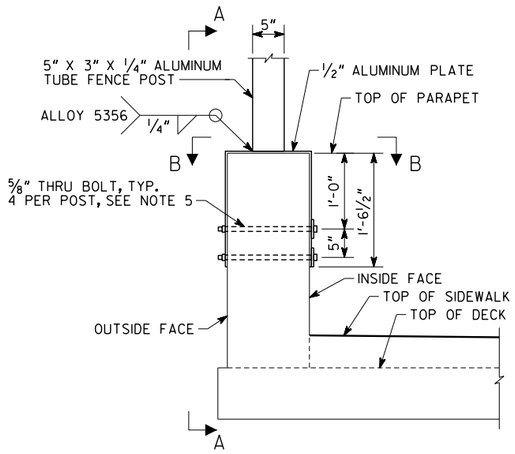
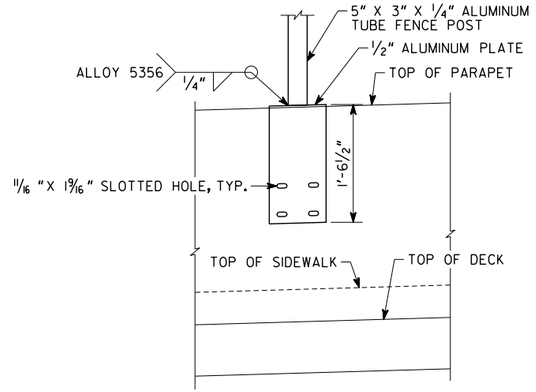
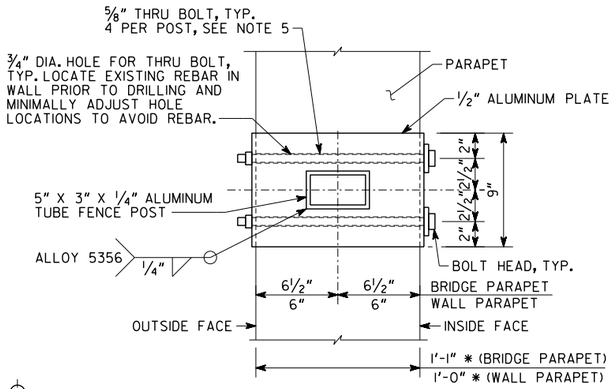


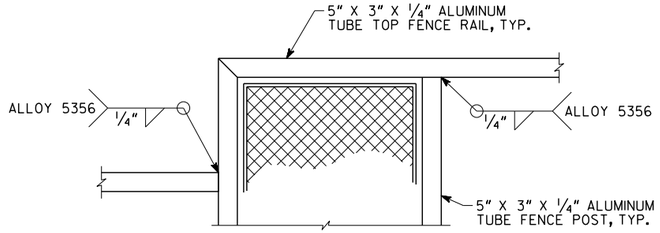
ORNAMENTAL FENCE POST CONNECTION DETAIL



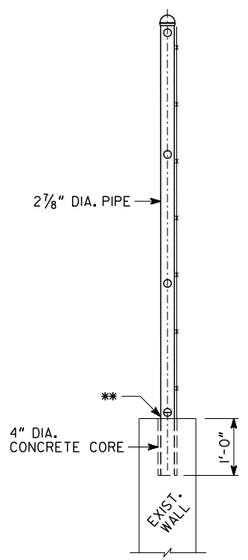
SECTION A-A



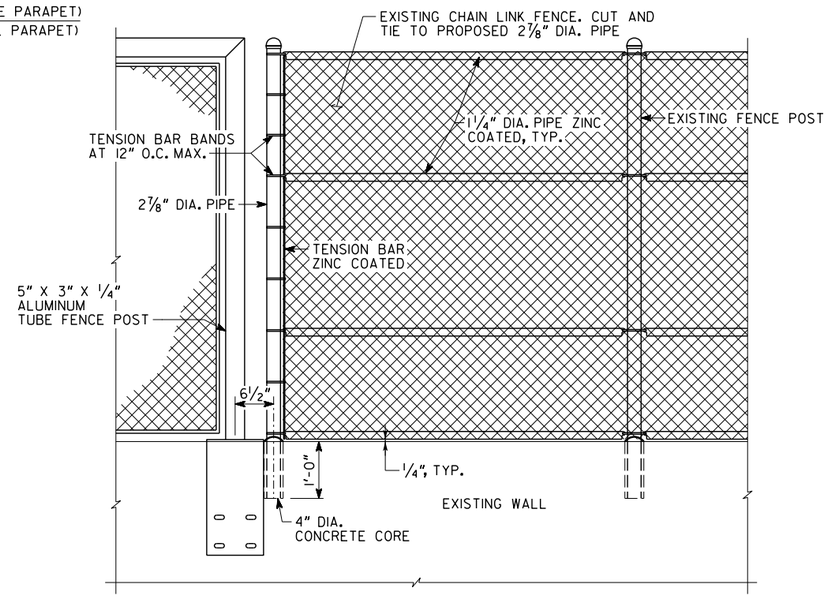
SECTION B-B



TYPICAL TOP FENCE RAIL CONNECTION DETAIL



CHAIN-LINK FENCE POST CONNECTION DETAIL



FENCE END ELEVATION

(TYP. AT NE, SE AND SW CORNERS OF BRIDGE)

1 INCH WHEN PRINTED FULL SIZE

NOTES:

1. FENCE POSTS SHALL BE LOCATED A MINIMUM OF 12" FROM PARAPET EXPANSION JOINTS. CONTRACTOR TO LOCATE FENCE POST LOCATIONS AND NOTIFY ENGINEER OF CONFLICTS PRIOR TO SUBMITTING SHOP DRAWINGS. THE SHOP DRAWINGS SHALL SHOW FENCE POST LOCATIONS WITH FIELD VERIFIED EXPANSION JOINT LOCATIONS.
2. * DIMENSIONS SHOWN ARE BASED ON EXISTING BRIDGE PLANS. VERIFY MEASUREMENTS AND NOTIFY ENGINEER IMMEDIATELY OF DISCREPANCIES THAT MAY IMPACT THE PROPOSED WORK.

ORNAMENTAL FENCE NOTES:

1. REMOVE EXISTING CHAIN LINK FENCING AND POSTS. REMOVE FENCE POSTS TO 3/4" BELOW TOP OF EXISTING PARAPET AND FILL WITH EPOXY GROUT.
2. SEE DECK PLAN FOR FENCE POST SPACING.
3. SEE 38-SERIES PLANS FOR ORNAMENTAL FENCE DETAILS.
4. ALL ALUMINUM TUBES AND PLATES SHALL BE ASTM B221, ALLOY 6061-T6 WITH A BRUSHED FINISH.
5. THRU BOLTS SHALL BE 5/8" DIA. ASTM A572 GRADE 50 WITH GALVANIZED HEX NUT AND ALUMINUM ALLOY STD. PLATE WASHER AND SPLIT RING LOCK WASHER (ASTM B209 ALCAD 2024-T3) ON OUTSIDE FACE OF PARAPET. PROVIDE ALUMINUM ALLOY STD. PLATE WASHER UNDER BOLT HEAD AT INSIDE FACE OF PARAPET.
6. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL BY ENGINEER AND GDOT PRIOR TO FABRICATION OF THE FENCE POSTS.
7. THRU BOLTS SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A123.
8. ALUMINUM SURFACES IN CONTACT WITH CONCRETE SHALL BE THOROUGHLY COATED WITH AN ALUMINUM IMPREGNATED CAULKING COMPOUND OF APPROVED QUALITY.

CHAIN-LINK FENCE NOTES:

1. ** NON-SHRINK, NON-METALLIC PORTLAND CEMENT GROUT IN ACCORDANCE WITH ASTM C1107, TROWEL TO PROVIDE POSITIVE DRAINAGE.
2. CORE DRILL 4"DIA. HOLE IN EXISTING WALL FOR POST.
3. LOCATE EXISTING REBAR IN WALL PRIOR TO DRILLING AND MINIMALLY ADJUST HOLE LOCATIONS TO AVOID REBAR.
4. MATCH EXISTING FENCE HEIGHT AND RAIL LOCATIONS.
5. CHAIN-LINK FENCE SHALL BE 9 GAGE CHAIN LINK ZINC COATED TWO INCH SECURITY FENCE.
6. ALLOW NON-SHRINK, NON-METALLIC PORTLAND CEMENT GROUT TO CURE FOR THREE DAYS BEFORE FENCE FABRIC IS INSTALLED.
7. FOR FURTHER DETAILS, SEE GEORGIA DOT SPECIFICATIONS SECTION 643 AND 894.
8. FASTEN FABRIC TO POSTS AT INTERVALS NOT GREATER THAN 14".

BRIDGE NO. 1

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

FENCE POST DETAILS (1 OF 2)
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT
FULTON COUNTY 0015890

DRAWING NO.	NO SCALE	OCTOBER 2022
35-0007		
BRIDGE SHEET 7 OF 9	DESIGNED BMR / CHECKED NMC / REVIEWED DLC/SKG	
	DRAWN KAG / DESIGN GROUP SKG / APPROVED DPD	

REVISIONS | DATE | BY

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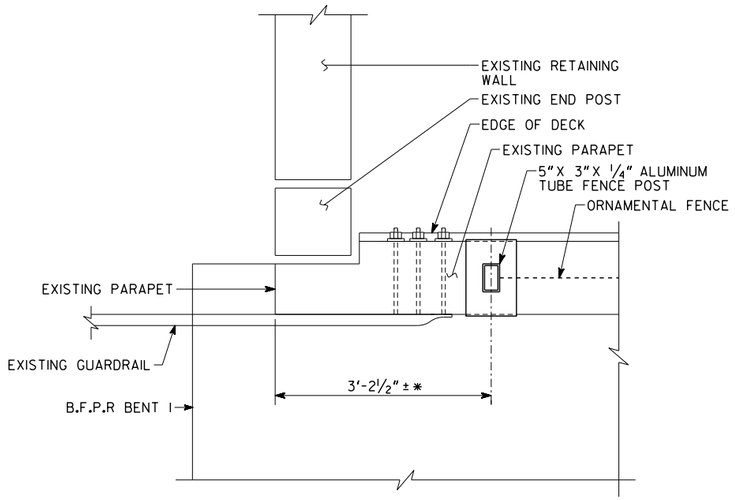
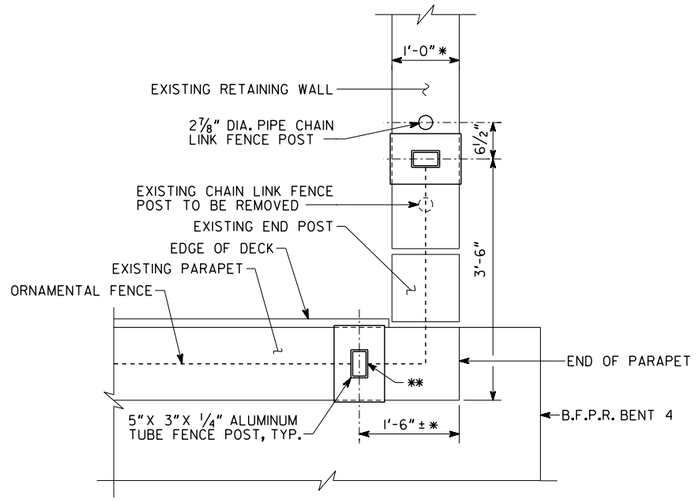
10/27/2022
kelley.glynn

35-0007_FD.dgn



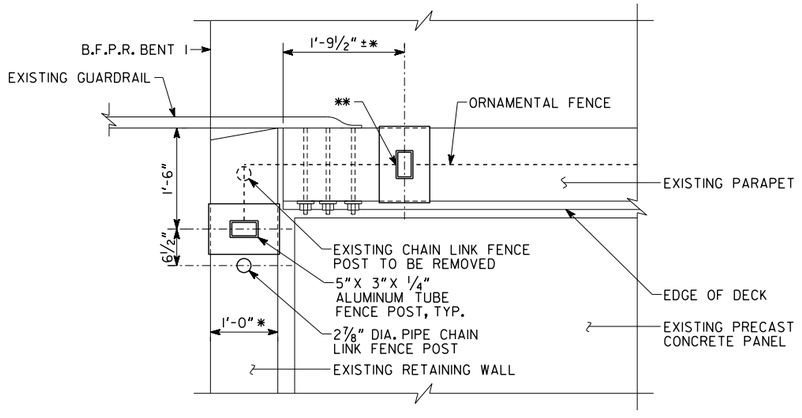
NORTHWEST CORNER PLAN DETAIL



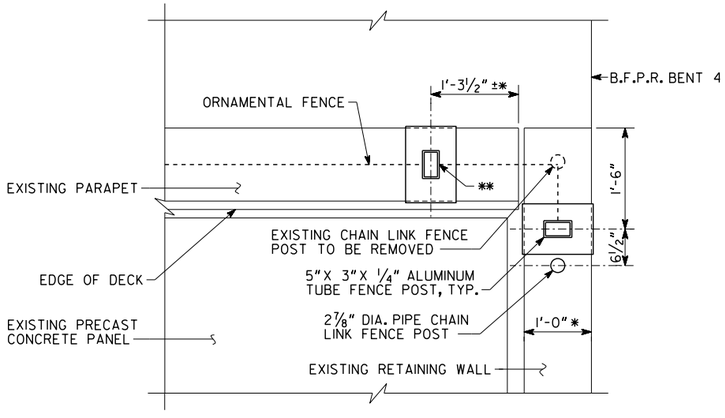
NORTHEAST CORNER PLAN DETAIL

NOTES:

1. SEE FENCE POST DETAILS (1 OF 2) FOR FENCE POST CONNECTION DETAILS AND NOTES.
2. FENCE POST SPACING SHOULD BE REFERENCED FROM ℄ BENT 2, MOVING OUTWARD TOWARD BEGIN AND END OF BRIDGE. SEE DECK PLAN SHEET FOR FENCE POST SPACING.
3. EXISTING CHAIN LINK FENCE TO REMAIN ADJACENT TO BRIDGE SHALL BE ADJUSTED TO ACCOMMODATE NEW POST LOCATIONS. SEE CHAIN LINK FENCE DETAILS AND NOTES ON FENCE POST DETAILS (1 OF 2). COST OF CHAIN LINK FENCE POSTS, CHAIN LINK FENCE, HARDWARE, AND OTHER INCIDENTAL ITEMS NECESSARY TO COMPLETE THE WORK ASSOCIATED WITH ADJUSTMENTS TO EXISTING CHAIN LINK FENCE ARE TO BE INCLUDED IN THE PRICE BID FOR ORNAMENTAL FENCE.
4. * DIMENSIONS SHOWN ARE BASED ON EXISTING BRIDGE PLANS. VERIFY MEASUREMENTS AND NOTIFY ENGINEER IMMEDIATELY OF DISCREPANCIES THAT MAY IMPACT THE PROPOSED WORK.
5. ** FENCE SHALL INCLUDE EXPANSION JOINT TO ACCOMMODATE 1" OF LONGITUDINAL MOVEMENT AT LOCATION SHOWN.



SOUTHWEST CORNER PLAN DETAIL



SOUTHEAST CORNER PLAN DETAIL

1 INCH WHEN PRINTED FULL SIZE

DRAWING NO. 35-0008

BRIDGE SHEET 8 OF 9

BRIDGE NO. 1

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

FENCE POST DETAILS (2 OF 2)
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT

FULTON COUNTY 0015890

NO SCALE OCTOBER 2022

DESIGNED BMR	CHECKED NMC	REVIEWED DLC/SKG
DRAWN KAG	DESIGN GROUP SKG	APPROVED DPD

DATE | REVISIONS | BY

35-0008_BC.dgn

9:17:07 AM 10/27/2022 kelley.glynn

LOCATION	NO. OF LOC.	MARK	LENGTH FT.	LENGTH IN.	NO. BARS REQ'D.	TYPE	AG	B FT.	B IN.	C FT.	C IN.	D FT.	D IN.	E FT.	E IN.	F FT.	F IN.	H FT.	H IN.	J FT.	J IN.	K FT.	K IN.	N	θ
SUPERSTRUCTURE	1																								
		400A	60-	0	30	1																			
		400B	47-	10	30	1																			
		401A	6-	7	214	1																			
		401B	7-	8	214	1																			
		402	0-	7	330	1																			
SUPERSTRUCTURE	1																								
EPOXY COATED		480A	10-	0	4	1																			
		480B	6-	0	2	1																			
		480C	15-	4	2	1																			
		480D	21-	7	2	1																			
		480E	8-	9	2	1																			
		480F	20-	4	2	1																			
		480G	29-	8	2	1																			
		481	5-	6	8	1																			
		482	11-	0	8	1																			
		483	15-	4	8	1																			
		484A	20-	0	2	1																			
		484B	15-	4	2	1																			
		484C	20-	4	6	1																			
		485A	5-	10	2	1																			
		485B	15-	4	2	1																			
		485C	21-	7	2	1																			
		485D	6-	9	2	1																			
		485E	20-	4	2	1																			
		485F	27-	7	2	1																			
		580A	0-	9	12	1																			
		580B	1-	3	12	1																			
		580C	1-	10	24	1																			
		580D	2-	4	24	1																			
		580E	2-	10	24	1																			
		580F	3-	5	24	1																			
		581A	0-	5	12	1																			
		581B	0-	11	12	1																			
		581C	3-	6	12	23		0-	6	1-	6	1-	6											89	
		581D	4-	6	12	23		0-	6	2-	0	2-	0											85	
		581E	5-	6	12	23		0-	6	2-	6	2-	6											82	
		581F	6-	8	12	23		0-	6	3-	1	3-	1											80	
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		582G	3-	1	24	1																			
		583C	1-	8	12	23		0-	6	0-	7	0-	7											83	
		583D	2-	10	12	23		0-	6	1-	2	1-	2											81	
		583E	3-	10	12	23		0-	6	1-	8	1-	8											80	
		583F	4-	10	12	23		0-	6	2-	2	2-	2											80	
		583G	6-	0	12	23		0-	6	2-	9	2-	9											79	
		590A	17-	6	60	1																			
		590B	18-	2	48	1																			
		590C	16-	5	60	1																			
		590D	18-	2	48	1																			
		591A	3-	0	386	1																			
		591B	7-	5	193	23		0-	6	3-	6	3-	5											79	
		591C	3-	0	376	1																			
		591D	6-	9	188	23		0-	6	3-	2	3-	1											79	

LOCATION	NO. OF LOC.	MARK	LENGTH FT.	LENGTH IN.	NO. BARS REQ'D.	TYPE	AG	B FT.	B IN.	C FT.	C IN.	D FT.	D IN.	E FT.	E IN.	F FT.	F IN.	H FT.	H IN.	J FT.	J IN.	K FT.	K IN.	N	θ

GDOT — P.I. NO. 0015890

BRIDGE NO. 1

Kimley»Horn

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

BAR REINFORCEMENT DETAILS
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT
FULTON COUNTY 0015890

NO SCALE OCTOBER 2022

DESIGNED CJS | CHECKED NMC | REVIEWED DLC/SKG
DRAWN KAG | DESIGN GROUP SKG | APPROVED DPD

DRAWING NO. 35-0009
BRIDGE SHEET 9 OF 9

DATE | REVISIONS | BY

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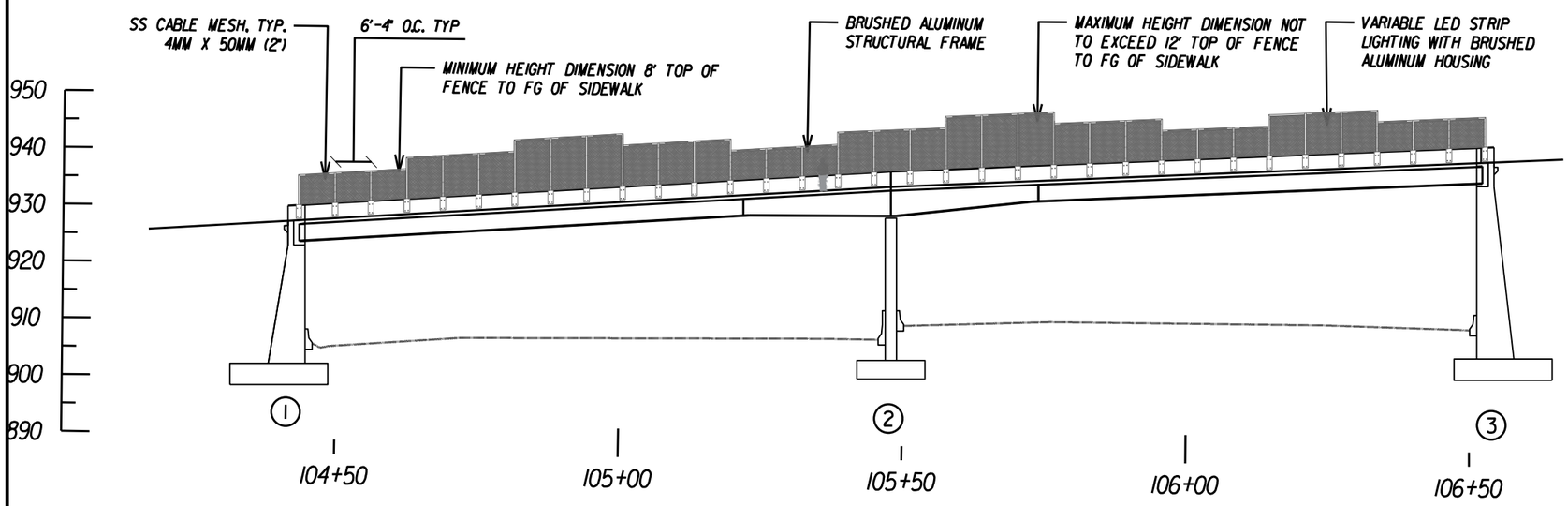
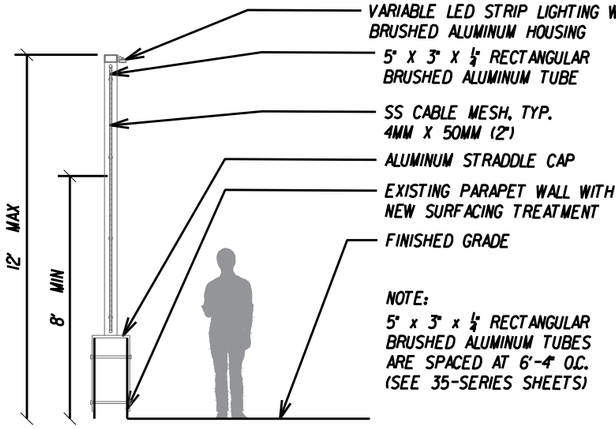


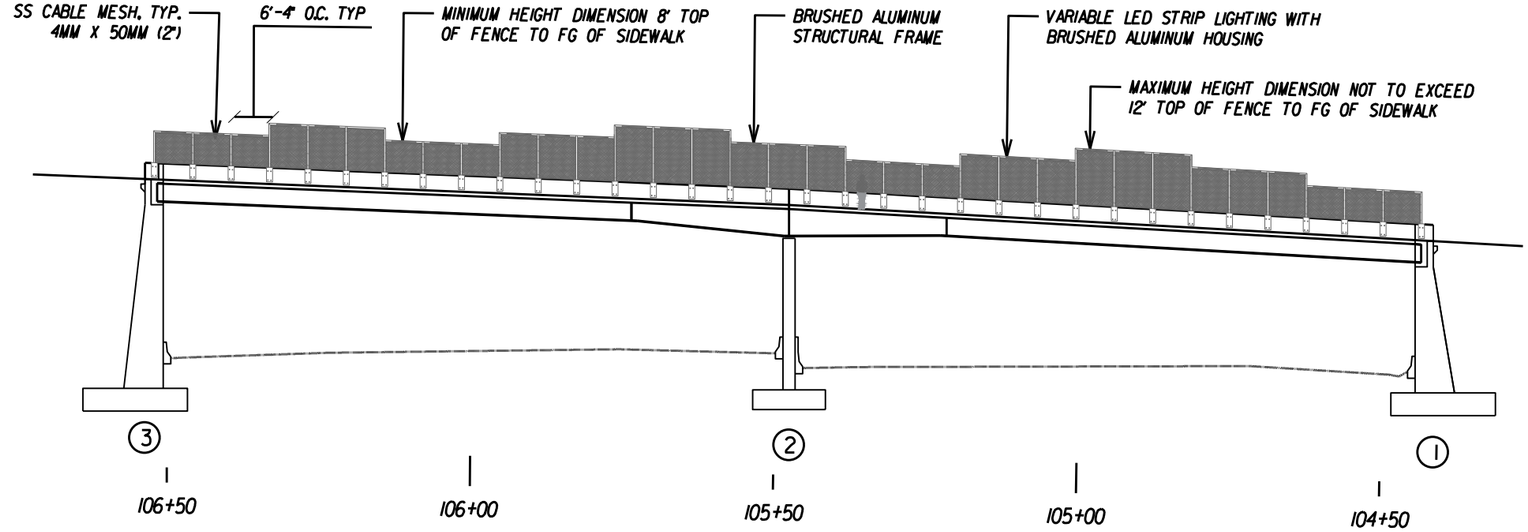
ELEVATION (LOOKING NORTH)

SCALE: 1" = 25'



1 PANEL FRAME CONNECTION DETAIL

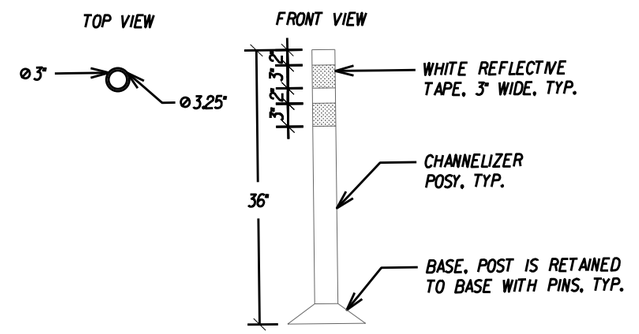
SCALE: 1" = 5'



ELEVATION (LOOKING SOUTH)

SCALE: 1" = 25'

NOTE:
1. INSTALL PER MANUFACTURERS SPECIFICATIONS.
2. COLOR OF POST TO BE WHITE
3. SUGGESTED MANUFACTURERS INCLUDE: PEXCO, FILTRONA EXTRUSIONS, SAFE-HIT, CARSONITE COMPOSITES, OWICK KURB, BENT MANUFACTURING, OR IMPACT RECOVERY SYSTEMS.



2 WHITE FLEXIBLE CHANNELIZER POST DETAIL

SCALE: NTS

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REVISION DATES

ORNAMENTAL FENCE AND BARRIER WALL DETAILS
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		38-0001
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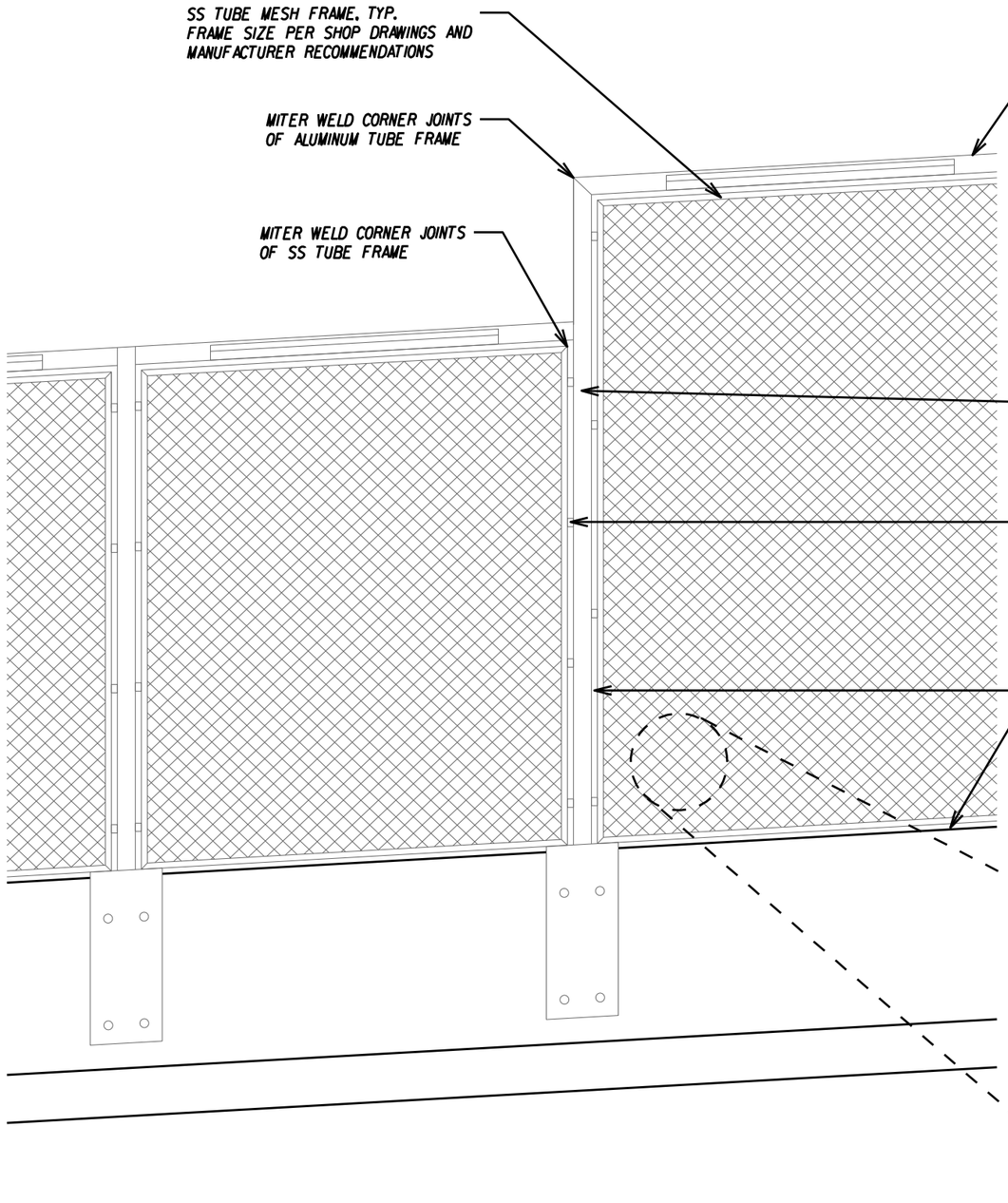
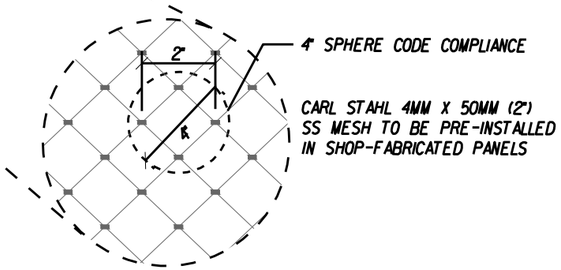
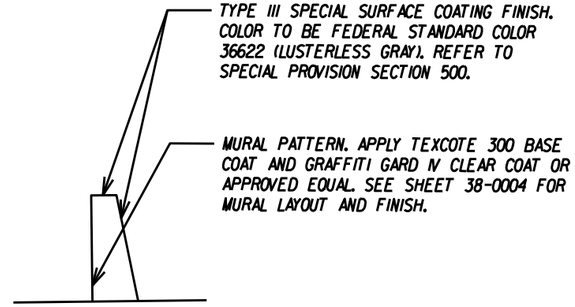


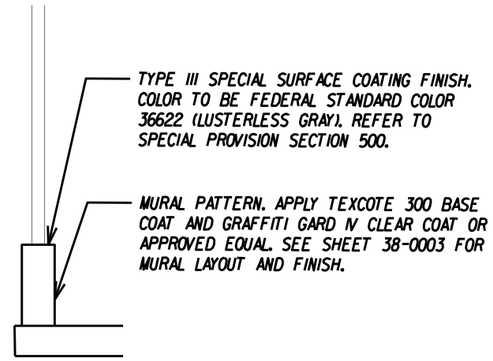
FENCE PANEL TYPICAL DETAIL
SCALE: 1" = 2'



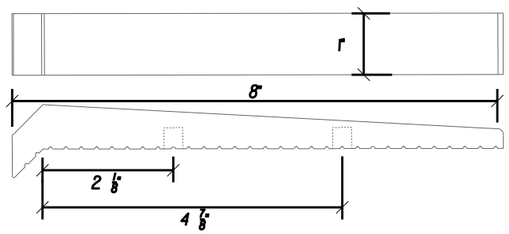
SS CABLE MESH
SCALE: 1" = 1'



TRAFFIC BARRIER FINISH
SCALE: 1" = 5'



PARAPET FINISH
SCALE: 1" = 5'



6061 T6 ALUMINUM. DEBUR. TYPE II CLEAR ANODIZE OR HARD ANODIZE. SET WITH TWO ⅜"X 1 ½" STUDS AND EPOXY. PRODUCT SPACED AT 12-18" FROM END OF THE WALL AND 36" +/- 6" CENTERS. DO NOT APPLY AT GROUT JOINTS.

GORILLA 135 WALL SKATE DETERRENT
NTS

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Atlanta, GA 30308

REVISION DATES

ORNAMENTAL FENCE AND BARRIER WALL DETAILS
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		38-0002
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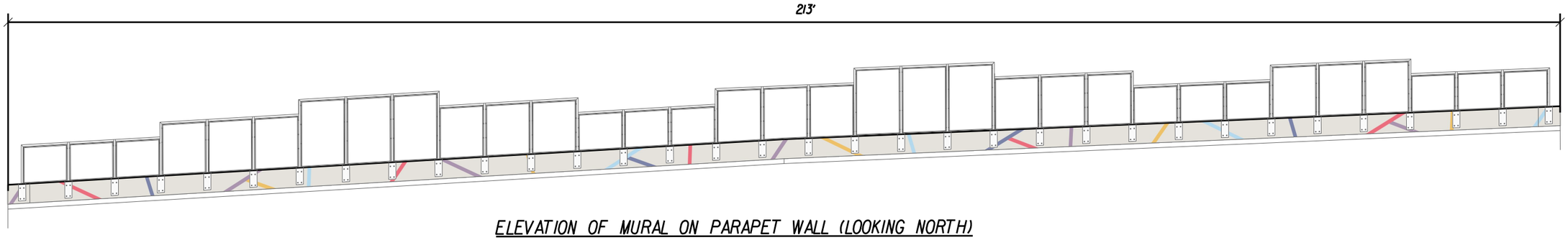
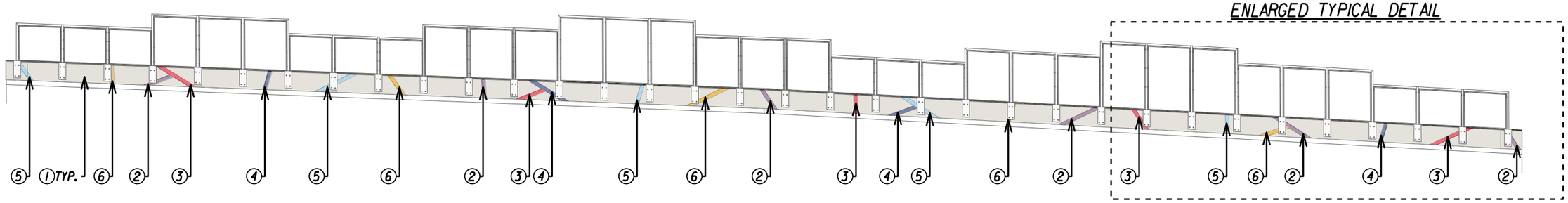
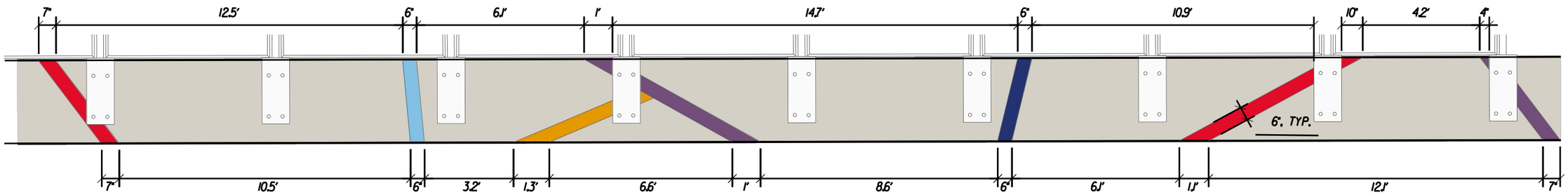
VERIFIED:		DATE:		



ELEVATION OF MURAL ON PARAPET WALL (LOOKING NORTH)
SCALE: 1" = 15'



ELEVATION OF MURAL ON PARAPET WALL (LOOKING SOUTH)
SCALE: 1" = 15'



TYPICAL MURAL PATTERN LAYOUT DETAIL ON PARAPET WALL
SCALE: NTS

FEDERAL STANDARD COLOR LEGEND		
1		FEDERAL STANDARD COLOR 36622
2		FEDERAL STANDARD COLOR 17100
3		FEDERAL STANDARD COLOR 22246
4		FEDERAL STANDARD COLOR 15056
5		FEDERAL STANDARD COLOR 25466
6		FEDERAL STANDARD COLOR 33432

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ORNAMENTAL FENCE AND BARRIER WALL DETAILS
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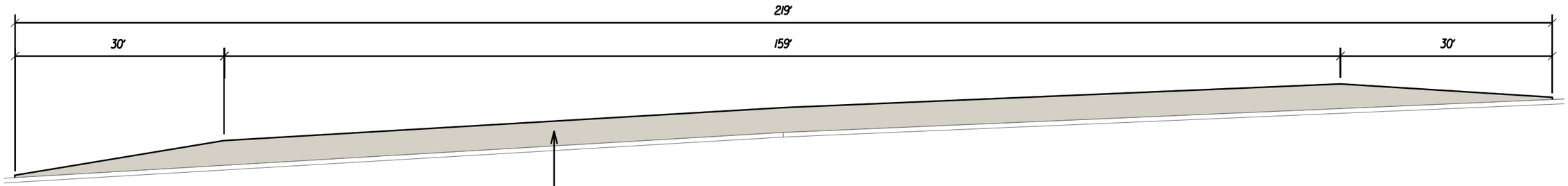
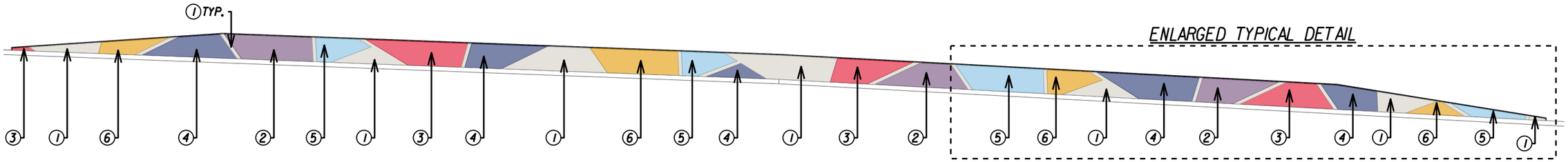
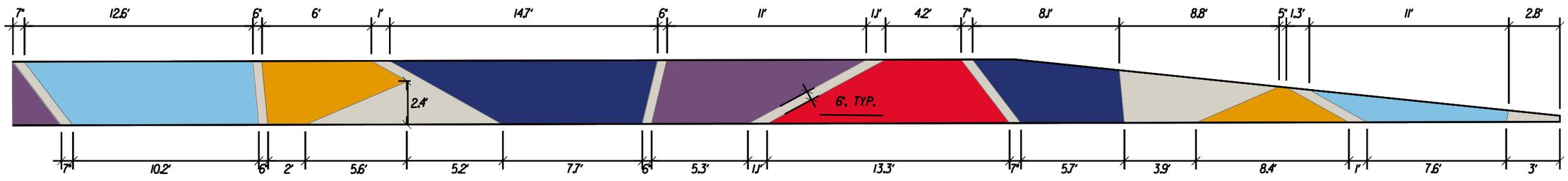


TYPE III SPECIAL SURFACE COATING FINISH. COLOR TO BE FEDERAL STANDARD NUMBER 36622 (LUSTERLESS GRAY). REFER TO SPECIAL PROVISION SECTION 500.

ELEVATION OF OUTSIDE OF BARRIER WALL
SCALE: 1" = 15'



ELEVATION OF MURAL ON INSIDE OF BARRIER WALL
SCALE: 1" = 15'



TYPICAL MURAL PATTERN LAYOUT DETAIL ON PARAPET WALL
SCALE: NTS

FEDERAL STANDARD COLOR LEGEND		
(1)		FEDERAL STANDARD COLOR 36622
(2)		FEDERAL STANDARD COLOR 17100
(3)		FEDERAL STANDARD COLOR 22246
(4)		FEDERAL STANDARD COLOR 15056
(5)		FEDERAL STANDARD COLOR 25466
(6)		FEDERAL STANDARD COLOR 33432

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REVISION DATES

ORNAMENTAL FENCE AND BARRIER WALL DETAILS
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT

CHECKED:		DATE:	
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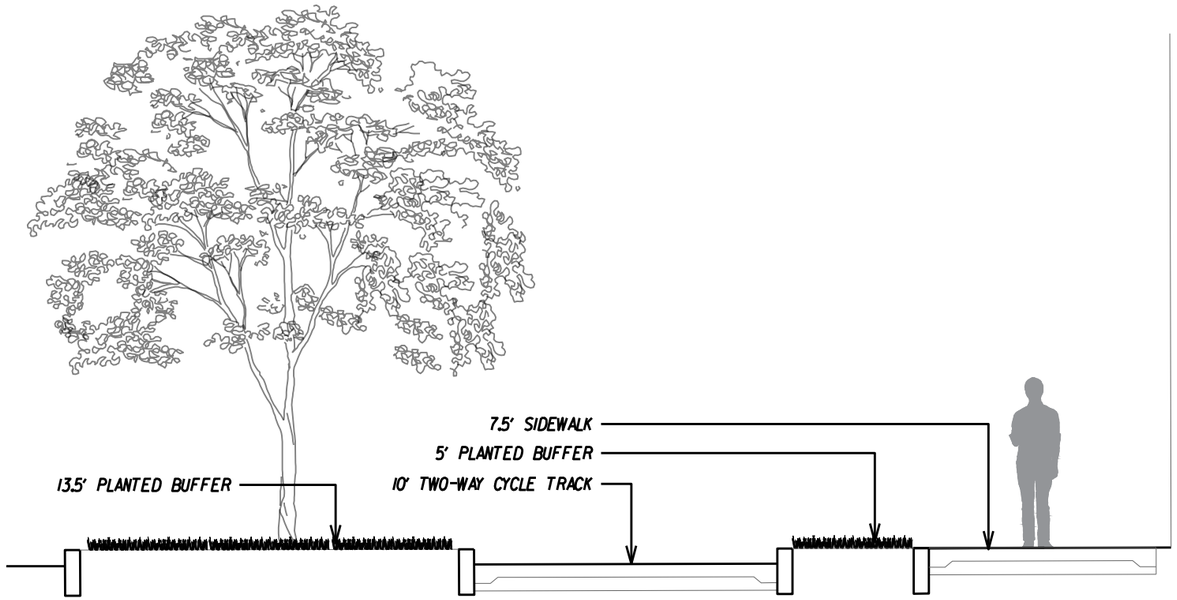
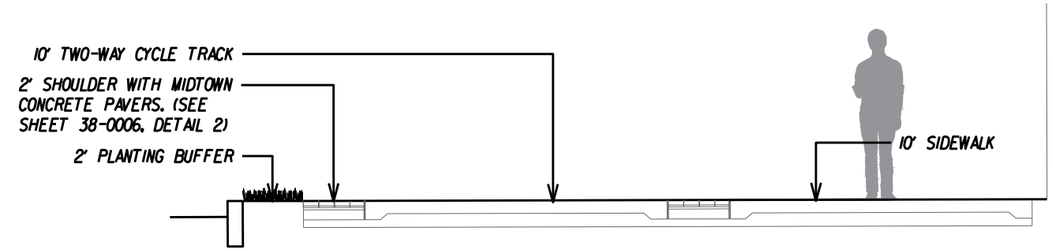
VERIFIED:		DATE:	

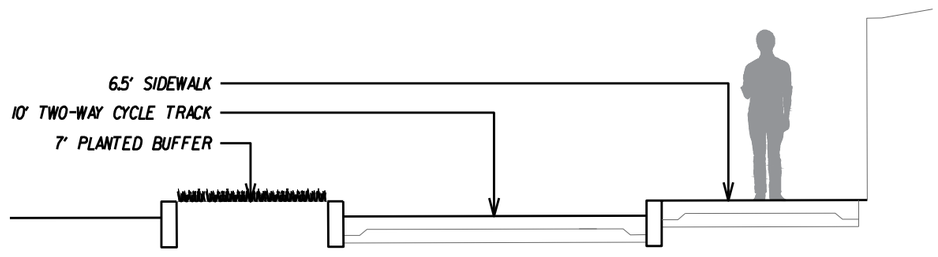
DRAWING No.
38-0004



WILLIAMS STREET TYPICAL SECTION
STA 307+60 - STA 308+20
SCALE: 1" = 5'



WILLIAMS STREET TYPICAL SECTION
STA 308+40 -309+50
SCALE: 1" = 5'



WILLIAMS STREET TYPICAL SECTION
STA 314+25 - STA 315+90
SCALE: 1" = 5'

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Atlanta, GA 30308

REVISION DATES

ORNAMENTAL FENCE AND BARRIER WALL DETAILS
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT

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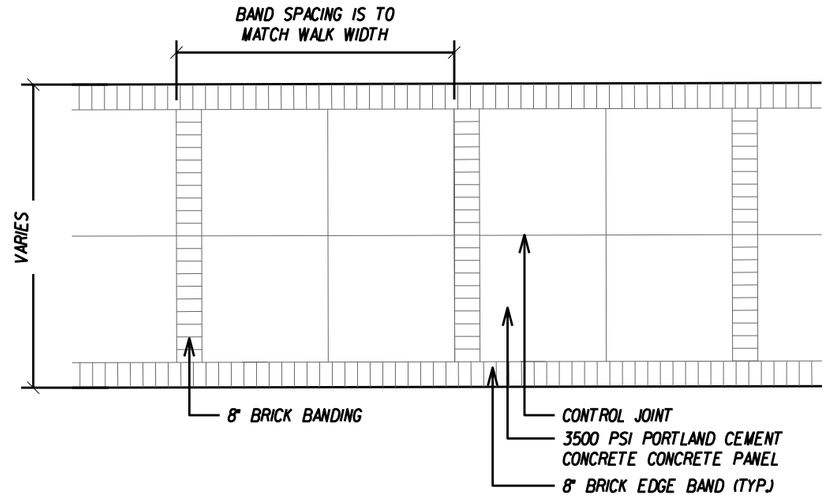
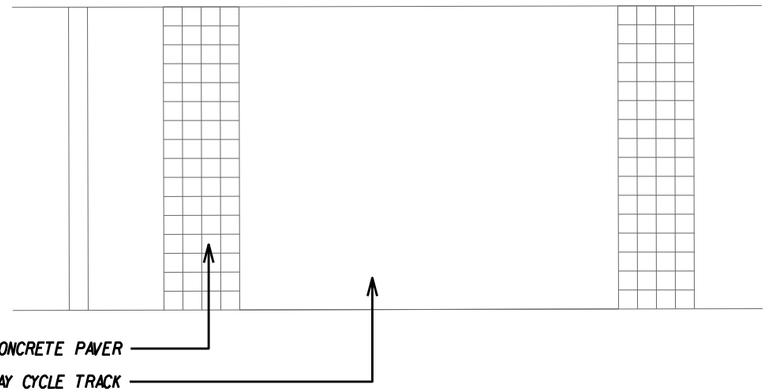
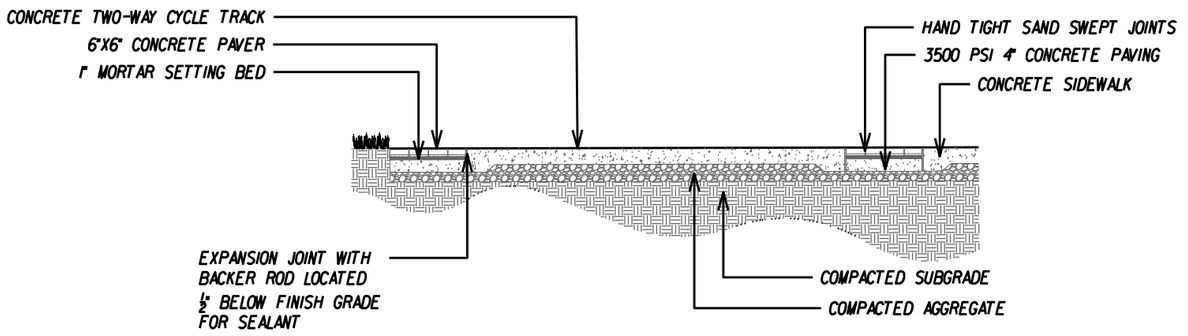
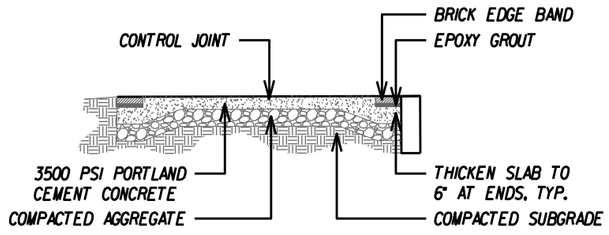


1 CONCRETE PAVING WITH BRICK BANDS
NTS





2 MIDTOWN CONCRETE PAVERS
NTS



alta
84 Peachtree Street, #600A I
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919-360-4222 I altago.com

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Engineering, Planning, and Environmental Consultants
Suite 601, 817 West Peachtree Street, NW
Atlanta, GA 30308

REVISION DATES

ORNAMENTAL FENCE AND BARRIER WALL DETAILS
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT

CHECKED:		DATE:		DRAWING No.
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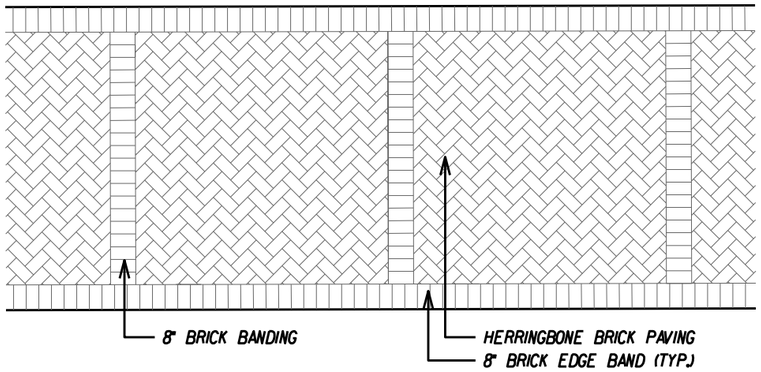
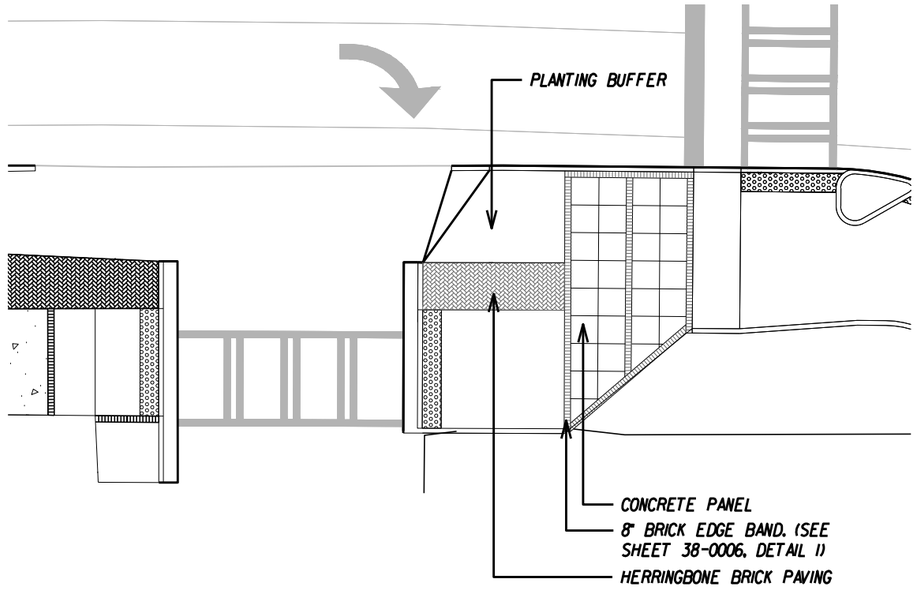
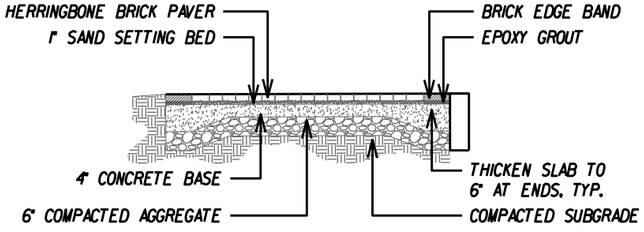
VERIFIED:		DATE:		





2 BRICK PAVING AND BANDING DETAIL (STA 102+70 - STA 103+20)
SCALE: 1" = 16'



1 HERRINGBONE BRICK PAVING WITH BRICK BANDS
NTS

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ORNAMENTAL FENCE AND BARRIER WALL DETAILS
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VERIFIED:		DATE:		

CITY OF ATLANTA

PLAN AND PROFILE OF PROPOSED
10TH STREET BRIDGE MULTI-MODAL CONNECTION PROJECT

FEDERAL AID PROJECT

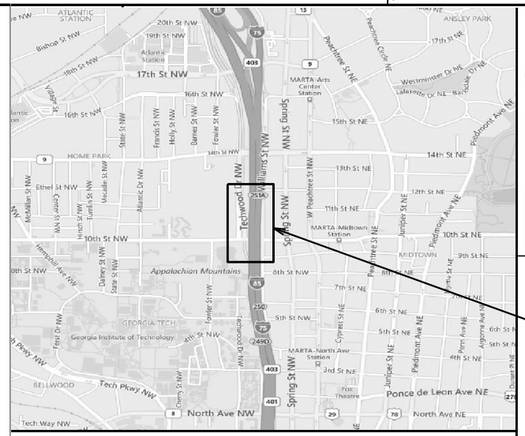
PRELIMINARY FIELD PLAN REVIEW
FULTON COUNTY

FEDERAL ROUTE •

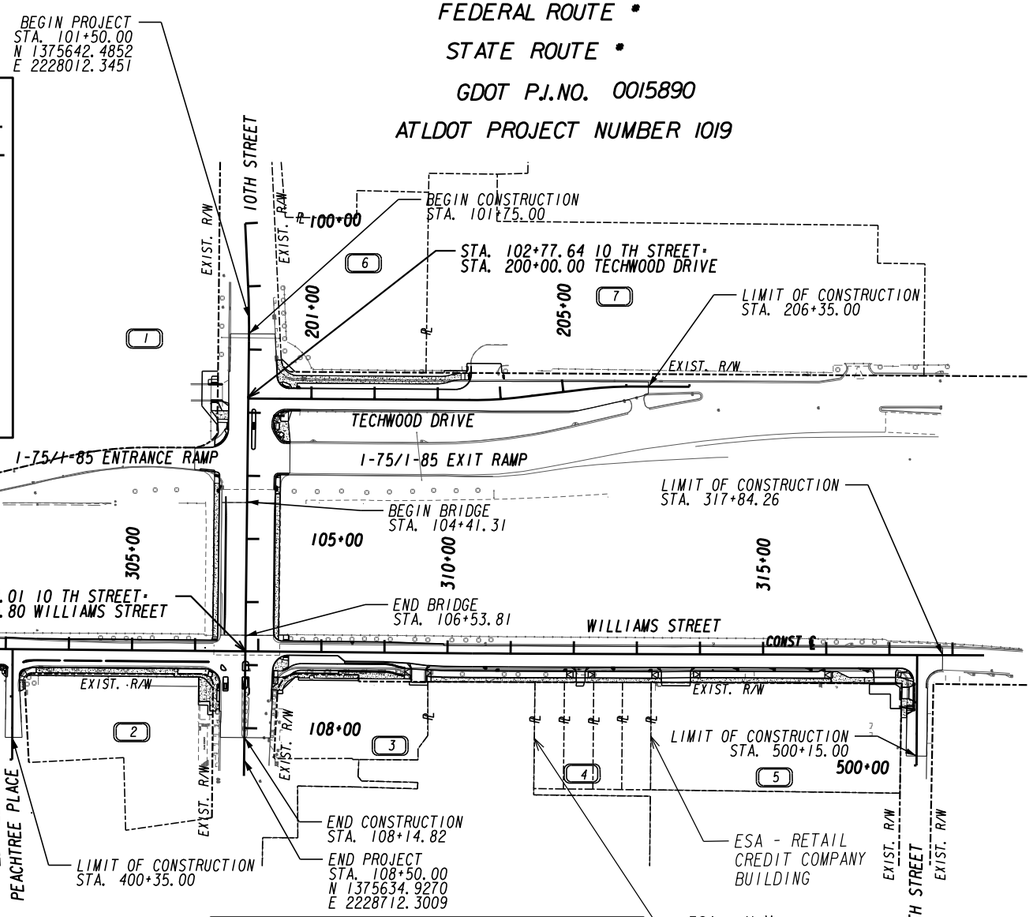
STATE ROUTE •

GDOT P.I.NO. 0015890

ATLDOT PROJECT NUMBER 1019



LOCATION SKETCH



DESIGN DATA:
TRAFFIC A.D.T.: 21,875 (2022) I-75/85 SB RAMPS/10TH ST
TRAFFIC A.D.T.: 26,475 (2042) I-75/85 SB RAMPS/10TH ST
TRAFFIC D.H.V.: 1,690 (2022) I-75/85 SB RAMPS
2,010 (2042) I-75/85 SB RAMPS
DIRECTIONAL DIST:
% TRUCKS:
24 HR.TRUCKS %: 5.5%
SPEED DESIGN:
10TH STREET - 35 MPH
WILLIAMS STREET - 25 MPH
TECHWOOD DRIVE - 35 MPH

LOCATION & DESIGN APPROVAL DATE:

FUNCTIONAL CLASS:
10TH STREET - URBAN MINOR ARTERIAL STREET
WILLIAMS STREET - URBAN MINOR ARTERIAL
TECHWOOD DRIVE - URBAN LOCAL ROAD

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

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

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	FULTON CO COUNTY No.121 Project No. 0015890
	MILES
NET LENGTH OF ROADWAY	0.093
NET LENGTH OF BRIDGES	0.040
NET LENGTH OF PROJECT	0.133
NET LENGTH OF EXCEPTIONS	0.000
GROSS LENGTH OF PROJECT	0.133

SCALE IN FEET
0 120 240 480

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.

PLANS PREPARED BY: BENCHMARK MANAGEMENT

DESIGN

CDM SMITH BENCHMARK
JOINT VENTURE
101 MARIETTA STREET NW
SUITE 2000, ATLANTA,
GEORGIA 30303

PLANS COMPLETED - -	
REVISIONS	

DRAWING No. 44-0000

CITY OF ATLANTA WATER GENERAL NOTES:

1. ALL REFERENCES TO ENGINEER OR INSPECTOR WITHIN THESE WATER GENERAL NOTES SHALL REFER TO CITY OF ATLANTA DEPARTMENT OF WATERSHED MANAGEMENT (DWM) ENGINEERS OR INSPECTORS.

2. ALL CONSTRUCTION METHODS AND MATERIALS USED TO EXTEND, RELOCATE, OR ABANDON CITY OF ATLANTA WATER SYSTEM MUST BE MADE OF DUCTILE IRON, AND COMPLY WITH THE CITY OF ATLANTA STANDARDS AND SPECIFICATIONS.

3. THE CONTRACTOR PERFORMING THE WATER CONSTRUCTION SHALL REQUEST A PRE-CONSTRUCTION CONFERENCE AND SUBMIT TO THE CITY ENGINEER PRIOR TO CONSTRUCTION THE FOLLOWING ITEMS:

   GEORGIA UTILITY LICENSE CERTIFICATION
   MANUFACTURER CUT SHEETS FOR ALL MATERIALS TO BE USED
   COMPLETED CITY OF ATLANTA QUALIFIED CONTRACTOR EXPERIENCE FORM
   EXECUTED HOLD HARMLESS AGREEMENT

   THESE ITEMS SHALL BE NECESSARY PRIOR TO THE ASSIGNMENT OF A CITY OF ATLANTA INSPECTOR. THE CONTRACTOR SHALL PROVIDE A 2-WEEK ADVANCED SCHEDULE TO THE INSPECTOR INDICATING THE PROPOSED WORK AND AREAS OF CONSTRUCTION. THE DWM WATER INSPECTOR MUST BE NOTIFIED 48 HOURS PRIOR TO START OF EACH CONSTRUCTION ACTIVITY AND ANY CHANGES IN THE ADVANCE SCHEDULE.

4. CONCRETE THRUST BLOCKING SHALL BE INSTALLED AT ALL BENDS, TEES, HYDRANTS, PLUGS, ETC. PER DETAIL

5. FIRE-HYDRANTS SHOWN IN THE RADIUS OF A CURVE SHALL BE FIELD ADJUSTED SO THAT THE ACTUAL INSTALLATION OF FIRE HYDRANTS WILL BE OUTSIDE OF CURVE RADIUS.

6. ANY CHANGES TO THE APPROVED WATER DRAWINGS MUST BE APPROVED BY DWM WATER DEPARTMENT ENGINEER.

7. ALL LINES 8" OR GREATER MUST BE PRESSURE TESTED AT 250 PSI FOR A MINIMUM OF TWO (2) HOURS. CITY OF ATLANTA INSPECTOR MUST BE NOTIFIED OF INTENT TO PRESSURE TEST PRIOR TO SCHEDULED TESTING.

8. THE WATER FACILITIES ILLUSTRATED ON THESE PLANS ARE FOR INFORMATIONAL PURPOSES ONLY, AND SHOW APPROXIMATE LOCATIONS OF VARIOUS WATER MAINS, SERVICE LINES, AND APPURTENANCES. CONTRACTOR SHALL FIELD VERIFY THE SIZE AND DEPTH OF WATER FACILIIIES PRIOR TO CONSTRUCTION. ANY VARIANCES OR UNFORESEEN CONFLICTS WITH ANY PROPOSED CONSTRUCTION SHALL BE COMMUNICATED TO THE CITY ENGINEER IMMEDIATELY. ANY REVISED WATER CONSTRUCTION BASED ON FIELD CONDITIONS DIFFERING FROM THE PLANS SHALL BE APPROVED BY THE CITY ENGINEER. ALL CONSTRUCTION SHALL BE IN CONFORMITY WITH THE MIN. STANDARDS AND SPECIFICATIONS OF THE CITY OF ATLANTA.

9. ALL FIRE-HYDRANTS SHALL BE A MAXIMUM DISTANCE OF 300 FEET FOR AREAS ZONED AS COMMERCIAL CENTRAL BUSINESS DISTRICT AREAS, AND 500 FEET FOR RESIDENTIAL AREAS. CONTRACTOR SHALL FIELD VERIFY FINAL DEPTH OF BURY BASED UPON PROPOSED WATER MAIN INSTALLATION.

10. ALL FIRE HYDRANTS SHALL BE INSTALLED OR RELOCATED WITH A 6-INCH DIAMETER BRANCH LINE AND SHALL HAVE A 6-INCH GATE VALVE LOCATED AT THE TEE UNLESS OTHERWISE SPECIFIED OR APPROVED BY THE DWM ENGINEER.

11. THE SHOE OF EACH HYDRANT SHALL BE WELL BRACED AGAINST UNDISTURBED EARTH AT THE END OF THE TRENCH WITH A POURED CONCRETE BRACE BLOCK AND IT SHALL BE TIED TO THE PIPE WITH SUITABLE METAL TIE-RODS OR CLAMPS AS DIRECTED BY THE DWM.

12. TO ALLOW THE FIRE HYDRANT "WEEP HOLES" TO FUNCTION PROPERLY, THE SHOE OF THE FIRE-HYDRANT SHALL BE SURROUNDED BY GRAVEL. THE GRAVEL SHALL BE MIN. OF 8-INCH ABOVE THE WEEP HOLES AND SHALL EXTEND TO A POINT 18-INCHES BELOW THE WEEP HOLES.

13. ALL METERS, FIRE HYDRANTS, VALVES: AND PIPES WITHIN THE CITY OF ATLANTA WATER SYSTEM ARE THE SOLE PROPERTY OF THE CITY OF ATLANTA. ALL SUCH MATERIAL ARE NOT SALVAGEABLE BY ANY CONTRACTOR.

14. CONTINUOUS SERVICE TO ALL EXISTING METERS AND FIRE SERVICES SHALL BE MAINTAINED EXCEPT AS AUTHORIZED BY THE DWM. THE REQUIRED TEMPORARY SERVICE CONNECTIONS WILL BE MADE UNDER THE SUPERVISION OF THE DWM INSPECTORS.

15. THE CONTRACTOR SHALL NOT OPERATE OR WORK ON ANY VALVES, WATER METERS, OR HYDRANTS, OR MAKE ANY CONNECTIONS ON OR TO, EXISTING WATER MAINS OR OTHER EXISTING SERVICES UNLESS OTHERWISE AUTHORIZED BY THE DWM INSPECTORS. CONTRACTORS MAY OPERATE HYDRANTS AFTER OBTAINING THE NECESSARY HYDRANT METER PERMIT AND HYDRANT KEY FROM THE DWM METER APPLICATION OFFICE (404-330-8091).

16. WHERE PROPOSED WATER MAINS SHOWN ON PLANS ARE REQUIRED TO CLEAR EXISTING UTILITIES, WHETHER SHOWN OR NOT ON PLANS, THE VERTICAL ALIGNMENT OF THE PROPOSED WATER MAINS SHALL BE ADJUSTED TO ALLOW A MIN. CLEARANCE OF 18-INCHES. SUCH ADJUSTMENT SHALL CONFORM TO THE MINIMUM DEPTH OF COVER REQUIREMENTS.

17. IN NO INSTANCE SHALL A PROPOSED SEWER BE INSTALLED AT THE SAME OR HIGHER ELEVATION AS A PARALLEL WATER MAIN IF THEIR LATERAL SEPARATION IS LESS THAN 10 FEET. THE DISTANCE SHALL BE MEASURED EDGE-TO-EDGE.

18. WHEN LOCAL CONDITIONS PREVENT A HORIZONTAL SEPARATION OF 10 FEET, THE SEWER PIPE MAY BE LAID CLOSER AT THE DISCRETION OF THE DWM, PROVIDED THE SEWER IS LAID IN A SEPARATE TRENCH OR AN UNDISTURBED EARTH SHELF LOCATED ON ONE SIDE OF THE WATER MAIN AT SUCH AN ELEVATION THAT THE BOTTOM OF THE WATER MAIN IS AT LEAST 18-INCHES ABOVE THE TOP OF THE SEWER, PROVIDED THE SEWER BE CONSTRUCTED OF MATERIALS AND WITH JOINTS THAT ARE EQUIVALENT TO WATER MAIN STANDARDS OF CONSTRUCTION AND BE PRESSURED TESTED TO ASSURE WATER-TIGHTNESS PRIOR TO BACKFILLING.

19. WHEN LOCAL CONDITIONS PREVENT A VERTICAL SEPARAIION OF 18-INCHES, THE SEWER PASSING OVER OR UNDER THE WATER MAIN SHALL BE CONSTRUCTED OF MATERIALS AND WITH JOINTS THAT ARE EQUIVALENT TO WATER MAIN STANDARDS OF CONSTRUCTION AND SHALL BE PRESSURE TESTED TO ASSURE WATER TIGHTNESS PRIOR TO BACKFILLING.

20. WHEN WATER MAINS CROSS UNDER SEWERS, ADDITIONAL MEASURES SHALL BE TAKEN BY PROVIDING A VERTICAL SEPARATION OF 18-INCHES BETWEEN THE BOTTOM OF THE SEWER AND TOP OF THE WATER MAIN AS WELL AS ENCASEMENT OF THE SEWER IN CONCRETE TO PROVIDE ADEQUATE STRUCTURAL SUPPORT TO PREVENT EXCESSIVE DEFECTION OF JOINTS AND SETTING ON AND BREAKING THE WATER MAIN. THE SEWER SHALL BE LAID IN SUCH A MANNER THAT THE LENGTH OF PROPOSED PIPE BE CENTERED AT THE POINT OF CROSSING SO THAT THE JOINTS WILL BE EQUIDISTANT AND AS FAR AS POSSIBLE FROM THE WATER MAIN. THE SEWER SHALL BE CONSTRUCTED OF DIP AND SUBJECTED TO HYDROSTATIC TESTS.

21. ACCEPTANCE OF THE NEW OR REARRANGED WATER MAIN IS CONDITIONAL UPON A SUCCESSFUL HYDROSTATIC TEST UNDER THE SUPERVISION OF A DWM INSPECTOR, AND THAT THE NEW OR REARRANGED WATER MAIN PASSES THE DWMS STANDARD QUALITY AND BACTERIOLOGICAL TESTS.

22. UPON COMPLETION OF THE SUCCESSFUL HYDROSTATIC TEST, AND THE LABORATORY ACCEPTANCE OF THE WATER QUALITY TEST A FINAL INSPECTION BY COA DWM PERSONNEL WILL BE MADE. THE ACCEPTANCE OF THE WATER WILL BE CONFIRMED BY A LETTER OF ACCEPTANCE WHICH WILL BE ISSUED FOLLOWING RECEIPT OF ACCEPTABLE 'AS-BUILT' PLANS IN ELECTRONIC FORMAT AS WELL AS PAPER COPY.

23. WATER MAINS, VALVES, HYDRANTS AND APPURTENANCES SHALL BE INSTALLED BEFORE INSTALLATION OF THE SUB-BASE COURSE OF PAVING OR ANY OTHER UTILITIES EXCEPT SANITARY SEWER LINES WHERE FEASIBLE.

24. ALL TAPS SHALL REMAIN EXPOSED AT THE MAIN UNTIL THE SYSTEM HAS BEEN SUCCESSFULLY INSPECTED, DISINFECTED AND TESTED FOR PRESSURE.

25. ANY CONTRACTOR WHO IS PROPOSED AS AN INSTALLER OF ANY WATER FACILITIES MUST PROVIDE SUFFICIENTLY DETAILED INFORMATION OF THEIR PREVIOUS EXPERIENCE OR EXPERIENCE OF THEIR AUTHORIZED SUB-CONTRACTOR AS TO PERMIT THE DWM TO EVALUATE THEIR ACCEPTABILITY AS AN INSTALLER OF WATER MAINS OR WATER FACILITIES. THE CONTRACTOR OR HIS AUTHORIZED SUB-CONTRACTOR MUST SUBMIT THE COMPLETED FORM WATER MAIN INSTALLATION CONTRACTOR EXPERIENCE QUALIFICATION FORM AND THEIR STATE OF GEORGIA UTILITY LICENSE CERTIFICATION TO THE DWM FOR APPROVAL PRIOR TO THE START OF ANY WATER MAIN WORK.

26. THE NUMBER OF TURNS TO OPEN SHALL BE AS SHOWN BELOW PLUS OR MINUS THREE FOR 6-INCH THROUGH 12-INCH VALVES, AND PLUS OR MINUS FIVE FOR 16&-INCH AND LARGER VALVES:

6-INCH-21 TURNS	16-INCH-102 TURNS	30-INCH-350 TURNS
8-INCH-27 TURNS	20-INCH-133 TURNS	36-INCH-450 TURNS
12-INCH-38 TURNS	24-INCH-230 TURNS	42-INCH-350 TURNS
		48-INCH-405 TURNS

27. ALL OF THE VALVE BOXES TO BE THE ATLANTA WATER DEPARTMENT PATTERN. TOP SECTION TO BE CAST WITH A SHELL CORE AND A TOLERANCE OF PLUS OR MINUS 1/32". WHEN COATING IS COMPLETE, THE LID SHALL FIT SNUGLY IN ITS RECEPTACLES IN THE TOP OF THE BOX WITHOUT FORCING AND SHALL NOT ROCK. THE TOP OF THE LID SHALL BE FLUSH WITH THE TOP OF THE BOX, AND BANDED FOR SHIPMENT.

28. THE LENGTH OF TRENCH TO BE OPENED IN ADVANCE OF THE COMPLETED WORK SHALL BE LIMITED BY THE ENGINEER WITH REGARD TO BOTH THE RAPID PROGRESS OF THE WORK AND THE CONVENIENCE, COMFORT, AND SAFETY OF THE PUBLIC AND PROPERTY OWNERS OR TENANTS IN THE VICINITY OF THE WORK.

29. THE DWM WILL PROVIDE INSPECTORS WHO WILL BE AUTHORIZED TO OBSERVE AND/OR INSPECT ALL WORK DONE AND WHO SHALL INFORM THE REQUESTING AGENCY'S ENGINEER OF ANY FAILURE OF THE WORK TO CONFORM TO THE DEPARTMENTS CURRENT REQUIREMENTS AND STANDARDS. THE INSPECTOR MAY SUSPEND OR REQUEST THE DEVELOPER AND CONTRACTOR TO SUSPEND THE WORK UNTIL ANY QUESTIONS CAN BE REFERRED TO AND A DECISION RENDERED BY THE DWM ENGINEER. FAILURE OF A PROJECT TO MEET THE DEPARTMENT'S STANDARDS WILL RESULT IN ACCEPTANCE BEING WITHHELD UNTIL SUCH TIME AS THE STANDARDS ARE MET.

30. THE INSPECTION OF THE WORK SHALL NOT RELIEVE THE DEVELOPER OR CONTRACTOR OF ANY OF THEIR RESPONSIBILITIES AND OBLIGATIONS TO FULFILL THE CONTRACT IN A SATISFACTORY MANNER. THE FAILURE OF THE INSPECTOR TO DISCOVER IMPROPER WORKMANSHIP SHALL NOT BE CONSIDERED AS A WAIVER OF ANY DEFECTS WHICH MAY BE DISCOVERED LATER AND THE REQUESTING AGENCY SHALL MAKE NECESSARY REPAIRS AT ITS OWN EXPENSE UPON BEING NOTIFIED OF SUCH DEFECTS BY THE INSPECTOR. THE REQUESTING AGENCY OR CONTRACTOR SHALL FURNISH THE INSPECTOR WITH EVERY REASONABLE FACILITY TO DETERMINE WHETHER OR NOT THE WORK PERFORMED IS IN ACCORDANCE WITH THE REQUIREMENTS AND THE INTENT OF THE JOB PLANS AND SPECIFICATIONS

31. SHOULD ANY DISAGREEMENT OR DIFFERENCE ARISE AS TO THE CLASSIFICATIONS, OR AS TO THE MEANING OF THE PLANS OR SPECIFICATIONS ON ANY POINT CONCERNING THE CHARACTER, ACCEPTABILITY AND NATURE OF THE SEVERAL KINDS OF WORK AND CONSTRUCTION THEREOF, THE DECISION OF THE DWM ENGINEER SHALL BE FINAL AND CONCLUSIVE AND BINDING UPON ALL PARTIES TO THE WORK.

32. THE MINIMUM DEPTH OF COVER SHALL BE FOUR (4) FEET AND THE MAXIMUM COVER SHALL BE FIVE (5) FEET. ANY DEVIATIONS MUST BE SPECIFICALLY APPROVED BY THE DWM ENGINEER.

33. WATER USED FOR ALL PURPOSES WILL BE SUPPLIED THROUGH A METERED CONNECTION WHICH THE APPLICANT (DEVELOPER OR CONTRACTOR) SHALL OBTAIN THROUGH THE DWMS APPLICATIONS OFFICE. WATER USED FOR TESTING MAINS AND WASHING STREETS WILL BE MADE AVAILABLE TO THE REQUESTING APPLICANT (DEVELOPER OR CONTRACTOR) AT HIS EXPENSE AND AT THE NEAREST EXISTING FACILITIES OF THE DEPARTMENT. THE APPLICANT (DEVELOPER OR CONTRACTOR) SHALL FURNISH ALL NECESSARY PIPE OR HOSE EXTENSIONS AND TRANSPORTATION TO THE POINT OF USE. THE APPLICANT (DEVELOPER OR CONTRACTOR) SHALL EXERCISE CARE IN THE USE OF THE WATER.

34. SAFE STORAGE: THE APPLICANT (DEVELOPER OR CONTRACTOR) SHALL BE RESPONSIBLE FOR THE SAFE STORAGE OF MATERIAL UNTIL IT HAS BEEN INCORPORATED IN THE COMPLETED PROJECT. THE INTERIOR OF ALL PIPE, FITTINGS, AND OTHER APPURTENANCES SHALL BE KEPT FREE FROM DIRT AND FOREIGN MATTER AT ALL TIMES. PIPE, VALVES, AND FIRE-HYDRANTS SHALL BE DRAINED AND STORED IN A MANNER THAT WILL PROTECT THEM FROM DAMAGE. ALL STORED PIPE SHALL BE SECURED IN SUCH A MANNER AS TO PREVENT MOVEMENT, INTERFERENCE AND/OR DANGER TO VEHICULAR AND PEDESTRIAN SAFETY AND INGRESS AND EGRESS.

35. PROPER IMPLEMENTS, TOOLS, AND FACILITIES SATISFACTORY TO THE INSPECTOR SHALL BE PROVIDED AND USED BY APPLICANT (DEVELOPER OR CONTRACTOR) FOR THE SAFE AND CONVENIENT EXECUTION OF THE WORK. ALL PIPE, FITTINGS, VALVES, AND FIRE HYDRANTS SHALL BE CAREFULLY LOWERED INTO THE TRENCH, PIECE BY PIECE, BY MEANS OF A DERRICK, ROPE, OR OTHER SUITABLE TOOLS OR EQUIPMENT, IN SUCH A MANNER AS TO PREVENT DAMAGE TO WATER MAIN MATERIALS AND PROTECTIVE COATINGS AND LININGS. UNDER NO CIRCUMSTANCES SHALL WATER MAIN MATERIAL BE DROPPED OR DUMPED INTO THE TRENCH.

CDM SMITH BENCHMARK
JOINT VENTURE
101 MARIETTA STREET N.W.
CENTENIAL TOWER, SUITE 2000
ATLANTA, GA 30303

REVISION DATES

GENERAL NOTES

10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		44-000A
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VERIFIED:		DATE:		

36. ALL PIPE, FITTINGS, VALVES, FIRE HYDRANTS, AND APPURTENANCES WHICH ARE LOADED OR UNLOADED BY HOIST OR SKIDS SHALL BE HANDLED IN SUCH A MANNER AS TO AVOID SHOCK OR DAMAGE. PIPE HANDLED ON A SKIDWAY SHALL NOT BE SKIDDED OR ROLLED AGAINST PIPE ALREADY ON THE GROUND.

37. PIPE SHALL BE SO HANDLED THAT THE COATING AND LINING WILL NOT BE DAMAGED. IF, HOWEVER, ANY PART OF THE COATING OR LINING IS DAMAGED, THE REPAIR SHALL BE MADE BY THE APPLICANT (DEVELOPER OR CONTRACTOR) AT THEIR EXPENSE IN A MANNER SATISFACTORY TO THE ENGINEER.

38. ANY MATERIAL THAT BECOMES DAMAGED BEFORE ACCEPTANCE OR FAILS WITHIN THE WARRANT PERIOD SHALL BE REPLACED BY THE DEVELOPER OR ITS CONTRACTOR AT THEIR EXPENSE. DAMAGES TO STREETS, SIDEWALKS ETC. DUE TO FAILURE OF THE NEW WATER MAIN DURING THE WARRANTY PERIOD SHALL BE THE RESPONSIBILITY OF THE DEVELOPER/CONTRACTOR.

39. EVERY PRECAUTION SHALL BE TAKEN TO PREVENT FOREIGN MATERIAL FROM ENTERING THE PIPE WHILE IT IS BEING PLACED IN THE TRENCH. IF THE PIPE LAYING CREW CANNOT PUT THE PIPE INTO TRENCH AND IN PLACE WITHOUT GETTING EARTH IN IT, THEN THE INSPECTOR MAY REQUIRE THAT BEFORE LOWERING THE PIPE INTO THE TRENCH, A HEAVY, TIGHTLY WOVEN CANVAS BAG OF SUITABLE SIZE BE PLACED OVER EACH END AND LEFT THERE UNTIL THE CONNECTION IS TO BE MADE TO THE ADJACENT PIPE. DURING LAYING OPERATIONS, NO DEBRIS, TOOLS, CLOTHING OR OTHER MATERIAL SHALL BE PLACED IN THE PIPE.

40. AFTER PLACING A LENGTH OF PIPE IN THE TRENCH, THE SPIGOT END SHALL BE CENTERED IN THE BELL AND THE PIPE FORCED HOME AND BROUGHT TO THE CORRECT LINE AND GRADE. THE PIPE SHALL BE SECURED IN PLACE WITH APPROVED BACKFILL MATERIAL AND TAMPED AROUND IT EXCEPT AT THE BELLS.

41. PIPE AND FITTINGS WHICH DO NOT ALLOW A SUFFICIENT AND UNIFORM SPACE FOR JOINTS SHALL BE REMOVED AND REPLACED WITH PIPE AND FITTINGS OF PROPER DIMENSIONS TO INSURE SUCH UNIFORM SPACE. PRECAUTIONS SHALL BE TAKEN TO PREVENT EARTH FROM ENTERING THE JOINT SPACE.

42. AT TIMES WHEN PIPE LAYING IS NOT IN PROGRESS, THE OPEN ENDS OF THE PIPE SHALL BE CLOSED BY A WATERTIGHT PLUG OR OTHER MEANS APPROVED BY THE INSPECTOR. THE CONTRACTOR SHALL HAVE PLUGS AVAILABLE AT ALL TIMES. THIS PROVISION SHALL APPLY DURING THE NOON HOUR AS WELL AS OVERNIGHT. IF WATER IS IN THE TRENCH, THE SEAL SHALL REMAIN IN PLACE UNTIL THE TRENCH HAS BEEN PUMPED COMPLETELY DRY.

43. IT IS THE NORMAL PROCEDURE TO LAY THE PIPE WITH THE BELLS FACING IN THE DIRECTION IN WHICH THE WORK IS PROGRESSING, UNLESS THE MAIN IS BEING LAID DOWN A HILL IN WHICH CASE, THE JOINTS ARE TO BE REVERSED SO THAT THE BELLS POINT UP THE HILL. CARE MUST BE TAKEN THAT THE NEWLY INSTALLED PIPE LENGTHS DO NOT "SLIDE" AND CAUSE A SEPARATION IN THE PREVIOUSLY MADE-UP JOINTS.

44. ALL LUMPS, BLISTERS AND EXCESS COAL TAR COATING SHALL BE REMOVED FROM THE BELL AND SPIGOT, AND THE INSIDE OF THE BELLS SHALL BE WIRE BRUSHED AND WIPED CLEAN AND DRY AND FREE FROM OIL AND GREASE OR OTHER FOREIGN MATERIAL BEFORE THE PIPE IS LAID. THE INTERIOR OF EACH LENGTH OF PIPE SHALL BE BRUSHED CLEAN AS REQUIRED BY THE USE OF A CIRCULAR FIBER BRUSH HAVING A DIAMETER EQUAL TO THE INSIDE DIAMETER OF THE PIPE. THE BRUSH SHALL AT ALL TIMES BE SUSPENDED OFF THE GROUND WHEN NOT IN USE.

45. THE CUTTING OF PIPE FOR INSERTING VALVES, FITTINGS, OR CLOSURE PIECES SHALL BE DONE IN A NEAT AND WORKMAN LIKE MANNER WITHOUT DAMAGE TO END PIPE OR LINING AND SO AS TO LEAVE A SMOOTH END AT RIGHT ANGLES TO THE AXIS OF THE PIPE. THE EDGE OF THE CUT SPIGOT SHALL BE BEVELED A MINIMUM OF 1/4-INCH WHEN "SLIP" JOINT CONNECTIONS ARE INVOLVED.

46. A WHEEL TYPE CUTTER OR POWER DRIVEN SAW OR OTHER APPROVED EQUIPMENT SHALL BE USED FOR CUTTING 6-INCH, 8-INCH, AND 12-INCH INVOLVED.

47. ALL 16-INCH AND LARGER DIAMETER PIPE SHALL BE CUT WITH A POWER DRIVEN CUTTER OR OTHER APPROVED EQUIPMENT.

48. THE FLAME CUTTING OF PIPE BY ANY MEANS WILL NOT BE ALLOWED.

49. JOINTS FOR MECHANICAL JOINT PIPE SHALL BE MADE BY EXPERIENCED MECHANICS. SOCKETS AND SPIGOTS SHALL BE WASHED WITH CLEAN SOAPY WATER BEFORE SLIPPING THE GLAND AND GASKET OVER SPIGOT. THE SPIGOT SHALL BE INSERTED IN THE SOCKET TO FULL DEPTH. THE GASKET SHALL BE BRUSHED WITH CLEAN SOAPY WATER AND SHALL BE PUSHED INTO POSITION MAKING SURE THAT THE GASKET IS EVENLY SEATED IN THE SOCKET.

50. THE GLAND SHALL BE PUSHED INTO POSITION FOR COMPRESSING THE GASKET. ALL BOLTS AND NUTS SHALL BE TIGHTENED TO A UNIFORM PERMANENT TIGHTNESS USING A TORQUE WRENCH SET TO THE MANUFACTURER'S SPECIFICATIONS. BOLTS SHALL BE TIGHTENED ALTERNATELY; FIRST BOLT TIGHTENED SHALL BE THE BOTTOM BOLT, SECOND SHALL BE THE TOP BOLT, AND SO ON UNTIL ALL BOLTS ARE PULLED UP. THE GLANDS AND BOLTS SHALL BE KEPT CLEAN AND SOCKETS, SPIGOTS, AND GASKETS SHALL BE KEPT CLEAN AND WET WITH CLEAN SOAPY WATER UNTIL EACH JOINT HAS BEEN COMPLETED.

51. JOINTING OF FLEXIBLE ("PUSH-ON") JOINT PIPE SHALL BE MADE BY EXPERIENCED MECHANICS. SOCKETS, SPIGOTS, AND GASKETS SHALL BE THOROUGHLY CLEANED BY WASHING WITH SOAP AND WATER AND WIPED CLEAN AND DRY BEFORE THE GASKET IS INSERTED INTO THE SOCKET RECESS. THE GASKET SHALL BE CAREFULLY PLACED INTO THE SOCKET RECESS BY HAND, AND EVENLY SEATED. A THIN FILM OF SPECIAL LUBRICANT (FURNISHED BY THE PIPE MANUFACTURER) SHALL BE APPLIED TO THE INSIDE OF THE GASKET AND SPIGOT END OF THE PIPE TO PERMIT EASY ENTRY OF THE PIPE INTO THE SOCKET. THE SPIGOT END OF THE PIPE SHALL BE PUSHED "HOME" BY THE USE OF A RATCHET TYPE ASSEMBLY TOOL. THE SPIGOT ENDS OF CUT PIPE SHALL BE DRESSED AND TAPERED WITH A COARSE FILE OR APPROVED BEVELING DEVICE IN A MANNER THAT WILL PROTECT THE GASKET FROM DAMAGE, PERMIT THE PROPER CENTERING OF PIPE IN GASKET, PROVIDE UNIFORM COMPRESSION OF GASKET, AND EASY ENTRY OF SPIGOT INTO SOCKET. CLOSURE OF FLEXIBLE JOINT PIPE SHALL BE MADE ONLY THROUGH THE USE OF MECHANICAL JOINT SLEEVES. CARE MUST BE TAKEN. IN THE USE AND STORAGE OF THE JOINT LUBRICANT. THE LUBRICANT MUST BE KEPT FREE FROM DIRT AND OTHER FOREIGN SUBSTANCES. SHOULD DIRT OR OTHER FOREIGN SUBSTANCES CONTAMINATE THE LUBRICANT, THEN THE CONTAMINATED LUBRICANT SHALL BE THROWN AWAY AND A NEW CAN OF JOINT LUBRICANT PROVIDED.

52. A CAST IRON VALVE BOX OR MASONRY VAULT SHALL BE PROVIDED FOR EVERY VALVE. A VALVE BOX SHALL BE PROVIDED FOR EVERY VALVE WHICH HAS NO GEARING OR OPERATING MECHANISM. THE VALVE BOX SHALL NOT TRANSMIT SHOCK OR STRESS TO THE VALVE AND SHALL BE CENTERED AND PLUMB OVER THE OPERATING NUT OF THE VALVE WITH THE BOX COVER FLUSH WITH THE SURFACE OF THE FINISHED PAVEMENT OR SUCH OTHER LEVEL AS MAY BE DIRECTED BY THE INSPECTOR. VALVE BOX LIDS SHALL BE SET AT FINISHED GRADE PRIOR TO POURING CONCRETE.

53. ALL STRAPS AND RODS SHALL BE COATED PRIOR TO INSTALLATION WITH AN APPROVED PROTECTIVE COATING. THE NUTS AND THREADS SHALL BE COATED BY THE AGENCY OR CONTRACTOR AFTER INSTALLATION WITH A COMPATIBLE PROTECTIVE MATERIAL.

55. FOR DUCTILE IRON PIPE, PIPE BEDDING CONSISTING OF SAND, GRAVEL SHALL BE PLACED IN BOTTOM OF TRENCH AND UP TO 1/8 PIPE DIA. BACKFILL MATERIAL IN THE BOTTOM OF THE TRENCH AND UP TO ONE FOOT OVER THE TOP OF THE PIPE SHALL BE EARTH FILLED ONLY. FROM ONE FOOT ABOVE THE TOP OF THE PIPE TO THE SUBGRADE OF THE PAVEMENT, EXCAVATED MATERIAL CONTAINING AN OCCASIONAL STONE OR BROKEN PIECE OF PAVEMENT NO LARGER THAN 6-INCHES IN THE GREATEST DIMENSION, MAY BE USED PROVIDED THE EXCAVATION, AND EXCAVATED MATERIAL HAS BEEN APPROVED BY THE INSPECTOR FOR BACKFILL.

56. ALL BACKFILL SHALL BE THOROUGHLY COMPACTED TO NOT LESS THAN 95% OF MAXIMUM DRY DENSITY AS DETERMINED BY A MODIFIED PROCTOR TEST (A.S.T.M. 0698).

57. IF ANY SETTLEMENT OF THE EARTH IS OBSERVED AT ANY TIME WITHIN ONE YEAR AFTER THE ACCEPTANCE OF THE PROJECT, THEN THE APPLICANT (DEVELOPER OR CONTRACTOR) SHALL MAKE THE NECESSARY REPAIRS AT THEIR OWN EXPENSE. THE BACKFILL MATERIAL MAY BE SLIGHTLY MOISTENED, IF REQUIRED, TO SECURE THE REQUIRED COMPACTION. THE METHOD USED FOR BACKFILLING SHALL BE SUBJECT TO THE APPROVAL OF THE INSPECTOR.

58. THE CONTRACTOR SHALL NOTIFY THE DWM INSPECTOR AND RECEIVE APPROVAL FROM THE DWM INSPECTOR AT LEAST 72 HOURS IN ADVANCE OF ANY SERVICE DISRUPTIONS. CONTRACTOR SHALL COORDINATE WITH THE DWM INSPECTOR TO ENSURE A 48 HOUR NOTICE IS ISSUED; NOTICE TO CITIZENS VIA DOOR HANGERS AND/OR AUTOMATED PHONE MESSAGES PRIOR TO DISRUPTION.

59. THE CONTRACTOR SHALL NOTIFY THE CITY OF ATLANTA DEPARTMENT OF WATERSHED MANAGEMENT AT (404) 658-6500 FOR ANY EMERGENCY NOTIFICATIONS OR REPORTING. FOR PROJECT SPECIFIC INFORMATION, PLEASE CONTACT THE CITY OF ATLANTA DEPARTMENT OF WATERSHED MANAGEMENT AT (404) 546-3240.

60. THE CITY OF ATLANTA CONSTRUCTION INSPECTION AND CONSTRUCTION MANAGEMENT CONTACT INFORMATION SHALL BE SUPPLIED AT THE TIME OF THE PROJECT PRE-CONSTRUCTION MEETING.

61. CARE SHALL BE TAKEN TO PROTECT THE EXISTING WATER UTILITY INFRASTRUCTURE DURING CONSTRUCTION. THE CONTRACTOR IS REQUIRED TO SUBMIT, FOR APPROVAL, A DETAILED PLAN OUTLYING THE PROPOSED METHOD OF PROTECTING AND SUPPORTING THE EXISTING WATER MAIN AND WATER UTILITY INFRASTRUCTURE DURING CONSTRUCTION. THIS PLAN SHALL BE SUBMITTED TO THE CITY OF ATLANTA -DEPARTMENT OF WATERSHED MANAGEMENT. THE CITY OF ATLANTA DEPARTMENT OF WATERSHED MANAGEMENT WILL HAVE (30) THIRTY DAYS TO REVIEW AND RESPOND TO ALL SUBMITTAL'S.

62. THE CONTRACTOR SHALL PROVIDE A SET OF AS-BUILT PLANS FOR ALL WATER UTILITY INFRASTRUCTURE RELOCATION ADJUSTMENT WORK. AS-BUILT PLANS ARE TO BE PREPARED IN ACCORDANCE WITH REQUIREMENTS OF THE CITY OF ATLANTA DEPARTMENT OF WATERSHED MANAGEMENT.

63. CONTRACTOR SHALL INCLUDE CONSTRUCTION OF A NEW VAULT AS NEEDED AT NO ADDITIONAL COST TO OWNER FOR PAY ITEM 670-9737 RELOCATE EXISTING METER, INCLUDING BYPASS AND VAULT.

64. CONTRACTOR SHALL NOTIFY CITY OF ANY LEAKING OR DAMAGED FIRE HYDRANTS IN WRITING PRIOR TO START OF CONSTRUCTION. IF THE CONTRACTOR FAIL TO NOTIFY THE CITY IN WRITING PRIOR TO CONSTRUCTION ALL COST ASSOCIATED WITH THE REPAIR OR REPLACEMENT OF DAMAGED OR LEAKING HYDRANTS SHALL BE BORNE BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CITY.

65. ALL ABANDONED PIPE SHALL BE INSPECTED BY CONTRACTOR AND CONFIRMED AS ASBESTOS FREE. ANY ABANDONED PIPE CONTAINING ASBESTOS SHALL BE REMOVED FROM SITE AT NO ADDITIONAL COST.

66. PAYMENT FOR NEW FIRE HYDRANTS SHALL INCLUDE THE 6" GATE VALVE AND CONNECTION TO THE MAIN

67. PRIOR TO THE CITY OF ATLANTA FINAL INSPECTION AND ACCEPTANCE OF WORK, CONTRACTOR SHALL SUBMIT IN ELECTRONIC AND PAPER FORMAT A FINAL AS-BUILT PLAN WITH A GA PROFESSIONAL ENGINEER SEAL ATTACHED THAT MEETS THE FOLLOWING CONDITIONS:

a) The proposed and final water line plat required under these provisions shall consist of a revised and corrected plan and profile in reproducible form containing the information previously outlined with the further provision that said final plat shall reflect "as built"' locations of facilities determined by review or resurvey after construction. As built drawings must be georeferenced to the U.S. State Plane Coordinate System, NAD83 GA West Zone, US Survey Feet. All drawings must contain two reference pins (i.e. property corners) which are labeled and tied to the Fulton County (FC) GPS monument network. All infrastructure assets (i.e. fire hydrants, manholes, valves, pipe bends, etc.) are to be shown by applicable symbols on the drawings and also presented in tabular format to include description and accurate coordinate location. The size of the plans will be standard 24' x 36". ALL DRAWING SHEETS IN A SET FOR A PROPOSED PROJECT SHALL BE OF THE SAME

b) Certificate: The final water plat will also contain a certificate signed by the Contractors, Engineer responsible for the Construction Administration containing the following statements:

I certify that the date reflected on this drawing has been verified in the field and to the best of my knowledge accurate and correct and in general compliance with existing Rules end Regulations Governing Installation of Water Line in the Atlanta Water Distribution System.

_____ _____

SIGNED (GA PROFESSIONAL ENGINEER SEAL) DATE

CDM SMITH BENCHMARK
JOINT VENTURE
101 MARIETTA STREET N.W.
CENTENIAL TOWER, SUITE 2000
ATLANTA, GA 30303

REVISION DATES

GENERAL NOTES

10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		44-000B
CORRECTED:		DATE:		
VERIFIED:		DATE:		

UTILITY LINECODES

	EXISTING	TO BE REMOVED	PROPOSED	TYPE OF UTILITY
OVERHEAD	E	E	E	ELECTRIC
	E-T	E-T	E-T	ELECTRIC/TELECOMMUNICATIONS
	E-TV	E-TV	E-TV	ELECTRIC/CABLE TV
	E-TC	E-TC	E-TC	ELECTRIC/TRAFFIC CONTROL
	E-T-TV	E-T-TV	E-T-TV	ELECTRIC/TELECOMMUNICATIONS/CABLE TV
	E-T-TV-TC	E-T-TV-TC	E-T-TV-TC	ELECTRIC/TELECOMMUNICATIONS/CABLE TV/TRAFFIC CONTROL
	E-TV-TC	E-TV-TC	E-TV-TC	ELECTRIC/CABLE TV/TRAFFIC CONTROL
	E-T-TC	E-T-TC	E-T-TC	ELECTRIC/TELECOMMUNICATIONS/TRAFFIC CONTROL
	GW	GW	GW	GUY WIRE
	T	T	T	TELECOMMUNICATIONS
	T-TC	T-TC	T-TC	TELECOMMUNICATIONS/TRAFFIC CONTROL
	T-TV-TC	T-TV-TC	T-TV-TC	TELECOMMUNICATIONS/CABLE TV/TRAFFIC CONTROL
	T-TV	T-TV	T-TV	TELECOMUNICATIONS/CABLE TV
	TV	TV	TV	CABLE TV
	TV-TC	TV-TC	TV-TC	CABLE TV/TRAFFIC CONTROL
	TC	TC	TC	TRAFFIC CONTROL
UNDERGROUND	E	E	E	ELECTRIC (QL-D)
	E(C)	E(C)		ELECTRIC (QL-C)
	E(B)	E(B)		ELECTRIC (QL-B)
	T	T	T	TELECOMMUNICATIONS (QL-D)
	T(C)	T(C)		TELECOMMUNICATIONS (QL-C)
	T(B)	T(B)		TELECOMMUNICATIONS (QL-B)
	TV	TV	TV	CABLE TV (QL-D)
	TV(C)	TV(C)		CABLE TV (QL-C)
	TV(B)	TV(B)		CABLE TV (QL-B)
	W	W	W	WATER (QL-D)
	W(C)	W(C)		WATER (QL-C)
	W(B)	W(B)		WATER (QL-B)
	**W	**W	30"W	WATER FOR LABELED PIPE SIZES (QL-D)
	**W(C)	**W(C)		WATER FOR LABELED PIPE SIZES (QL-C)
	**W(B)	**W(B)		WATER FOR LABELED PIPE SIZES (QL-B)
	NW	NW	NW	NON-POTABLE WATER (QL-D)
	NW(C)	NW(C)		NON-POTABLE WATER (QL-C)
	NW(B)	NW(B)		NON-POTABLE WATER (QL-B)
	**NW	**NW	**NW	NON-POTABLE WATER FOR LABELED PIPE SIZES (QL-D)
	**NW(C)	**NW(C)		NON-POTABLE WATER FOR LABELED PIPE SIZES (QL-C)
	**NW(B)	**NW(B)		NON-POTABLE WATER FOR LABELED PIPE SIZES (QL-B)
	STM	STM	STM	STEAM (QL-D)
	STM(C)	STM(C)		STEAM (QL-C)
	STM(B)	STM(B)		STEAM (QL-B)
	**STM	**STM	**STM	STEAM FOR LABELED PIPE SIZES (QL-D)
	**STM(C)	**STM(C)		STEAM FOR LABELED PIPE SIZES (QL-C)
	**STM(B)	**STM(B)		STEAM FOR LABELED PIPE SIZES (QL-B)
	SS	SS	SS	SANITARY SEWER WITH FLOW DIRECTION (QL-D)
	SS(C)	SS(C)		SANITARY SEWER WITH FLOW DIRECTION (QL-C)
	SS(B)	SS(B)		SANITARY SEWER WITH FLOW DIRECTION (QL-B)
	Σ**SS	Σ**SS	Σ**SS	SANITARY SEWER WITH FLOW DIRECTION FOR LABELED PIPE SIZES (QL-D)
	Σ**SS(C)	Σ**SS(C)		SANITARY SEWER WITH FLOW DIRECTION FOR LABELED PIPE SIZES (QL-C)
	Σ**SS(B)	Σ**SS(B)		SANITARY SEWER WITH FLOW DIRECTION FOR LABELED PIPE SIZES (QL-B)
	SFM	SFM	SFM	SANITARY SEWER FORCE MAIN WITH FLOW DIRECTION (QL-D)
	SFM(C)	SFM(C)		SANITARY SEWER FORCE MAIN WITH FLOW DIRECTION (QL-C)
	SFM(B)	SFM(B)		SANITARY SEWER FORCE MAIN WITH FLOW DIRECTION (QL-B)
	G	G	G	GAS (QL-D)
	G(C)	G(C)		GAS (QL-C)
	G(B)	G(B)		GAS (QL-B)
	**G	**G	**G	GAS FOR LABELED PIPE SIZES (QL-D)
	**G(C)	**G(C)		GAS FOR LABELED PIPE SIZES (QL-C)
	**G(B)	**G(B)		GAS FOR LABELED PIPE SIZES (QL-B)
	P	P	P	PETROLEUM (QL-D)
	P(C)	P(C)		PETROLEUM (QL-C)
	P(B)	P(B)		PETROLEUM (QL-B)
	**P	**P	**P	PETROLEUM FOR LABELED PIPE SIZES (QL-D)
	**P(C)	**P(C)		PETROLEUM FOR LABELED PIPE SIZES (QL-C)
	**P(B)	**P(B)		PETROLEUM FOR LABELED PIPE SIZES (QL-B)
	TC	TC		TRAFFIC CONTROL (QL-D)
	TC(C)	TC(C)		TRAFFIC CONTROL (QL-C)
	TC(B)	TC(B)		TRAFFIC CONTROL (QL-B)
	UNK(B)	UNK(B)		UNKNOWN UTILITY FOUND IN SUE INVESTIGATION (QL-B)

FOR PROPOSED/TEMPORARY TRAFFIC CONTROL INFORMATION REFER TO TRAFFIC SIGNAL PLANS

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
W	W	W	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
TC	FOR PROPOSED/TEMPORARY TRAFFIC CONTROL INFORMATION REFER TO TRAFFIC SIGNAL PLANS		TRAFFIC CONTROL MANHOLE/ ELECTRIC COMMUNICATIONS BOX
			TRAFFIC CONTROL PEDESTRIAN SIGNAL/BUTTON POST

MISCELLANEOUS

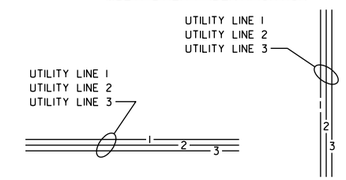
LOS	LIMITS OF OVERHEAD AND SUBSURFACE UTILITY INVESTIGATION
TH	TEST HOLE (QL-A ONLY)
EOI	END OF INFORMATION
	QUALITY LEVEL (QL) DELINEATION
123	POLE ID
A01	SANITARY SEWER MANHOLE (SSMH) ID
C123	CONFLICT LOCATION (UTILITY IMPACT ANALYSIS (UIA) ONLY)
	END OF UTILITY

ABBREVIATIONS

MANHOLE = LENGTH x WIDTH x DEPTH

PR	TELEPHONE PAIR SIZE	PVC	POLY VINYL CHLORIDE
SVC	SERVICE, UNKNOWN SIZE/TYPE	STR	FIBER STRAND SIZE
MTD	MULTIPLE TILE DUCT	TCP	TERRA COTTA PIPE
MCD	MULTIPLE CONCRETE DUCT	ACP	ASBESTOS CONCRETE PIPE
DIP	DUCTILE IRON PIPE	VCP	VITRIFIED CLAY PIPE
TRD	TRANSITE (ASBESTOS) DUCT	STD	SINGLE TILE DUCT
FOC	FIBER OPTIC CABLE	SCPD	SINGLE CREOSOTE PINE DUCT
CIP	CAST IRON PIPE	SD	SPLIT DUCT
SC	SCREEN CABLE	3PH	3 PHASE ELECTRIC
PE	POLYETHYLENE		

MULTI-UTILITY IDENTIFICATION



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

CDM SMITH BENCHMARK
JOINT VENTURE
101 MARIETTA STREET N.W.
CENTENIAL TOWER, SUITE 2000
ATLANTA, GA 30303

REVISION DATES

UTILITY RELOCATION PLANS

10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		44-000C
CORRECTED:		DATE:		
VERIFIED:		DATE:		

MATCH LINE STA. 201+50 DRAWING No. 44-0003

STA 102+52, 4' RT
EXISTING WATER VALVE BOX
TO BE ADJUSTED TO FINISHED GRADE

STA 102+02, 49' LT
EXISTING FIRE HYDRANT
TO BE ADJUSTED TO FINISHED GRADE

STA 102+28, 4' RT
EXISTING WATER VALVE BOX
TO BE ADJUSTED TO FINISHED GRADE

BEGIN MILL & INLAY
STA. 101+75.00

STA 102+38, 18' RT
STA 102+78, 18' RT
EXISTING SSMH (2) TO BE
ADJUSTED TO FINISHED GRADE

STA 103+35, 12' LT
EXISTING SSMH TO BE
ADJUSTED TO FINISHED GRADE

100+00 101+00 102+00 103+00 104+00 105+00

CONST ℄ | N 0°23'41.2" E

TECHWOOD DRIVE

I-75/I-85 EXIT RAMP

I-75/I-85 ENTRANCE RAMP

I-75/I-85

18"RCP OUT
INV. 904.56'

LIMIT OF
MILL AND
INLAY

10TH STREET

W 87°21'29.8" E

CONST ℄

S 89°20'43.4" E

END MILL & INLAY
BEGIN APPROACH SLAB
STA. 104+21.68

TRAFFIC
LIGHT (TYP.)

TRAFFIC
SIGNAL

GATE

MATCH LINE STA. 105+50 DRAWING No. 44-0002

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)

CDM SMITH BENCHMARK
JOINT VENTURE
101 MARIETTA STREET NW,
SUITE 2000 ATLANTA, GA 30303

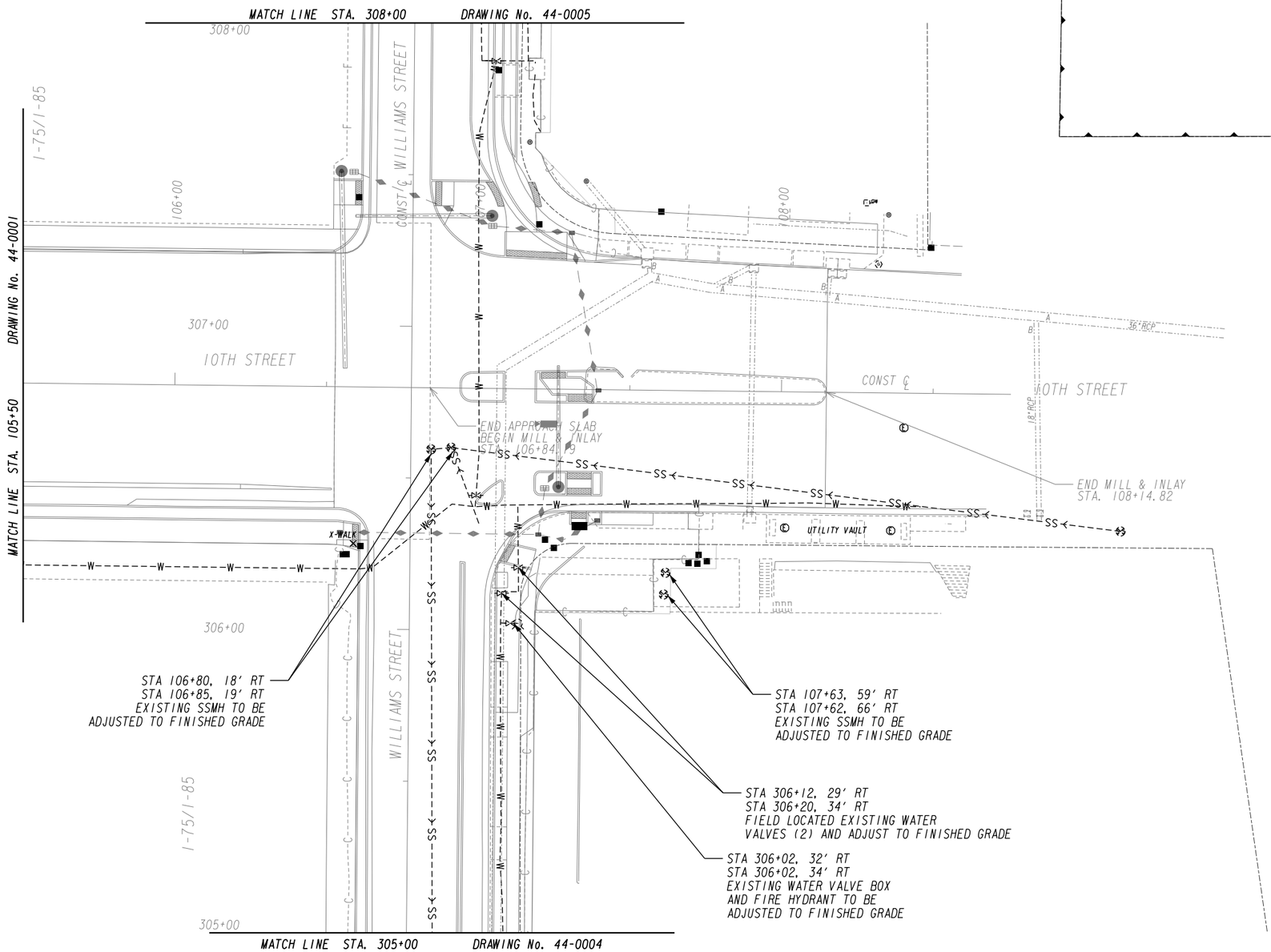
SCALE IN FEET
0 20 40 80

REVISION DATES

UTILITY PLANS
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		44-0001
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)

CDM SMITH BENCHMARK
JOINT VENTURE
101 MARIETTA STREET NW,
SUITE 2000 ATLANTA, GA 30303

SCALE IN FEET
0 20 40 80

REVISION DATES

UTILITY PLANS
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		44-0002
VERIFIED:		DATE:		

10/23/2015 GPLN

N

STA 204+33, 24' LT
STA 204+40, 29' LT
STA 204+40, 24' LT
EXISTING WATER VALVE BOXES (2) AND
EXISTING FIRE HYDRANT TO BE
ADJUSTED TO FINISHED GRADE

STA 203+38, 33' LT
EXISTING WATER VALVE VAULT
TO BE ADJUSTED TO FINISHED GRADE

END MILL & INLAY
STA. 206+35.00

202+00
203+00
204+00
205+00
206+00
207+00

WATER VAULT

EXIST. R/W

TECHWOOD DRIVE
CONST ℄

CURVE #3
CURVE #2

18"RCP
24"RCP

MATCH LINE STA. 201+50
DRAWING No. 44-0001

STA 202+44, 15' RT
STA 202+44, 23' RT
EXISTING WATER VALVE BOX AND
FIRE HYDRANT TO BE
ADJUSTED TO FINISHED GRADE

STA 203+38, 14' RT
EXISTING WATER VALVE BOX
TO BE ADJUSTED TO FINISHED GRADE

STA 203+87, 4' LT
EXISTING SSMH TO BE
ADJUSTED TO FINISHED GRADE

STA 205+46, 11' RT
EXISTING SSMH TO BE
ADJUSTED TO FINISHED GRADE

I-75/I-85 EXIT RAMP

STA 202+17, 7' RT
EXISTING SSMH TO BE
ADJUSTED TO FINISHED GRADE

INV. 905.64'
18"RCP OUT

I-75/I-85

I-75/I-85

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)	

CDM SMITH BENCHMARK
JOINT VENTURE
101 MARIETTA STREET NW,
SUITE 2000 ATLANTA, GA 30303

SCALE IN FEET
0 20 40 80

REVISION DATES

UTILITY PLANS
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		44-0003
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN

10/5/2022 5:29:34 PM USER:April King	GPLOT-V8 gplotborder-V81-PO-COA.tbl	P:\CITY OF ATLANTA\2022.COA.AE.TOI\3.0 WORK AUTHORIZATIONS\WA29 10th Street Bridge Multimodal Connection\Second Submittal plans from Accura\0015890_44-0004.dgn		P.I. No. 0015890

I-75/I-85

I-75/I-85

TRUNKLINE APPROXIMATE LOCATION

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

MATCH LINE STA. 305+00

DRAWING No. 44-0002

STA 300+66, 12' RT
EXISTING SSMH TO BE
ADJUSTED TO FINISHED GRADE

STA 303+11, 9' RT
EXISTING SSMH TO BE
ADJUSTED TO FINISHED GRADE

STA 303+48, 11' LT
EXISTING SSMH TO BE
ADJUSTED TO FINISHED GRADE

BEGIN MILL & INLAY
STA. 300+50.00

CONST ℄ WILLIAMS STREET

EXIST. R/W

STA 304+73, 33' RT
EXISTING WATER VALVE BOX
TO BE ADJUSTED TO FINISHED GRADE

STA 304+81, 32' RT
FIELD VERIFY EXISTING WATER
VALVE VAULT AND ADJUST TO
FINISHED GRADE

STA 401+20, 13' RT
EXISTING WATER VALVE BOX
TO BE ADJUSTED TO FINISHED GRADE

STA 400+86, 18' RT
STA 400+86, 15' RT
STA 400+82, 16' RT
EXISTING WATER VALVE BOXES (2) AND
EXISTING FIRE HYDRANT TO BE
ADJUSTED TO FINISHED GRADE

401+00

400+00

8 TH STREET

PEACHTREE PLACE

BEGIN MILL & INLAY
STA. 400+35.00

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)	

CDM SMITH BENCHMARK
JOINT VENTURE
101 MARIETTA STREET NW,
SUITE 2000 ATLANTA, GA 30303

SCALE IN FEET
0 20 40 80

REVISION DATES

UTILITY PLANS
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT

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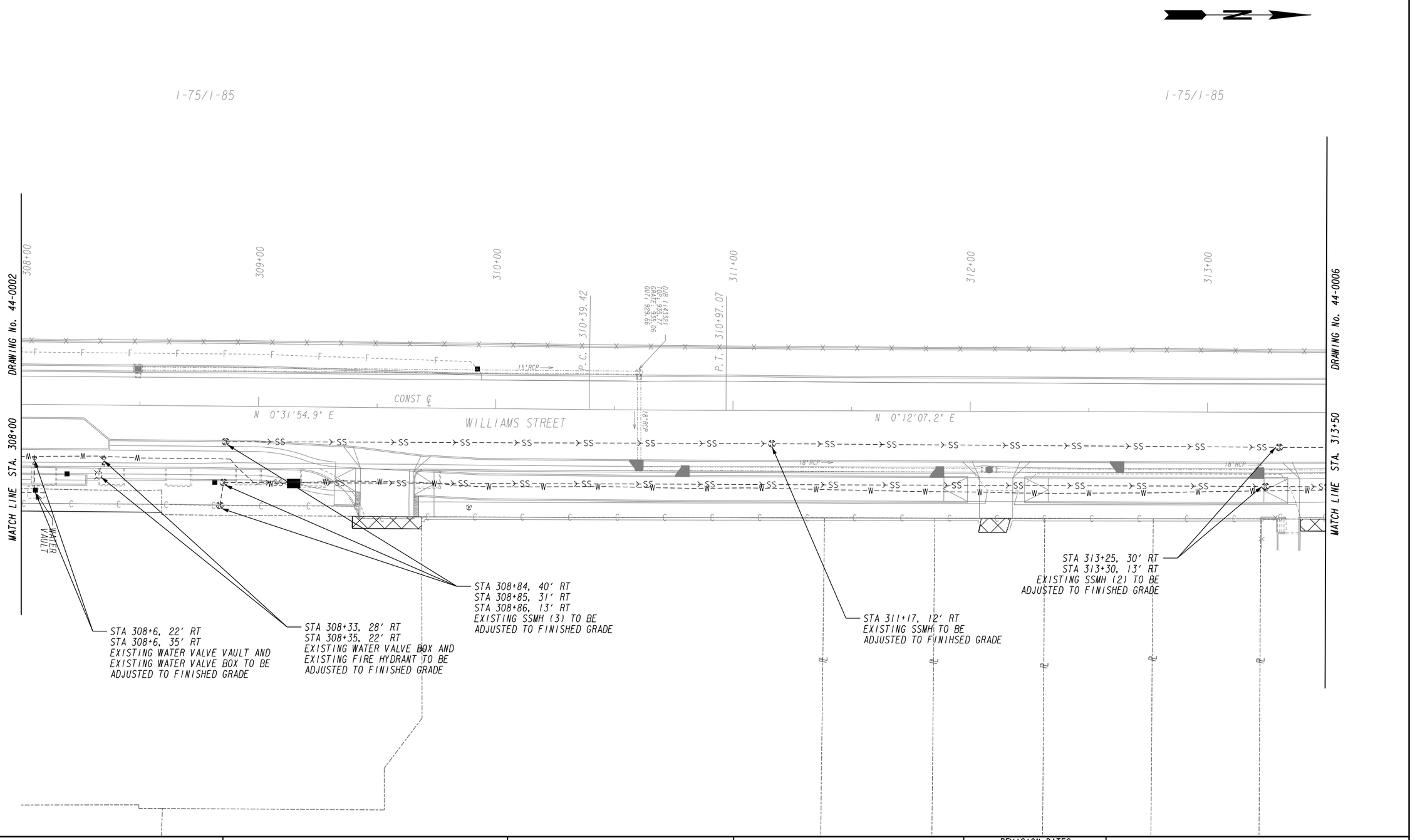
VERIFIED:		DATE:		

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)

CDM SMITH BENCHMARK
JOINT VENTURE
101 MARIETTA STREET NW,
SUITE 2000 ATLANTA, GA 30303

SCALE IN FEET
0 20 40 80

REVISION DATES

UTILITY PLANS
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT

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CORRECTED:		DATE:		
VERIFIED:		DATE:		

I-75/I-85

I-75/I-85

314+00

315+00

316+00

317+00

318+00

DRAWING No. 44-0006

MATCH LINE STA. 313+50

CONST ℄
N 0°12'07.2" E

WILLIAMS STREET

18"RCP

24"RCP

30"RCP

36"RCP

EXIST. R/W

SAMESS CONNECTION

STA 316+13, 13' RT
EXISTING SSMH TO BE
ADJUSTED TO FINISHED GRADE

STA 317+45, 30' RT
EXISTING SSMH TO BE
ADJUSTED TO FINISHED GRADE

STA 501+20, 9' LT
EXISTING SSMH TO BE
ADJUSTED TO FINISHED GRADE

501+00

500+00

END MILL & INLAY
STA. 317+84.26

BEGIN MILL & INLAY
STA. 500+15.00

STA 501+35, 7' RT
STA 501+40, 6' RT
EXISTING WATER VALVE BOXES (2)
TO BE ADJUSTED TO FINISHED GRADE

N89°35'13.7"W

12TH STREET

CONST ℄

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)

CDM SMITH BENCHMARK
JOINT VENTURE
101 MARIETTA STREET NW,
SUITE 2000 ATLANTA, GA 30303

SCALE IN FEET
0 20 40 80

REVISION DATES

UTILITY PLANS
10TH STREET BRIDGE MULTI-MODAL CONNECTION PROJECT

CHECKED:		DATE:		DRAWING No.
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VERIFIED:		DATE:		

10/23/2015 GPLN

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. Amendments/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 exit(s).

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.

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.

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 onsite 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.

POSTCONSTRUCTION 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 sod. 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	Rating	Component Name	Rating Reasons
Ub	Urban Land	N/A	Urban Land (100%)	N/A

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 601, 817 West Peachtree Street, NW
Atlanta, GA 30308

NTS

REVISION DATES

ESPCP GENERAL NOTES
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STATE-WATER BUFFER IMPACTS

State-water buffers, as defined by O.C.G.A. 12-7-1, are not impacted by this project.

Non-exempt activities shall not be conducted within the 25- or 50-foot undisturbed stream buffers as measured from the point 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.

USE OF ALTERNATIVE AND/OR ADDITIONAL BMPS:

No alternative or additional BMPs will be used on 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.

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 601, 817 West Peachtree Street, NW
Atlanta, GA 30308

NTS

REVISION DATES

ESPCP GENERAL NOTES
10TH STREET BRIDGE
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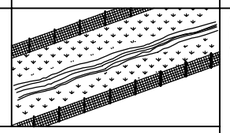
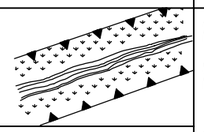
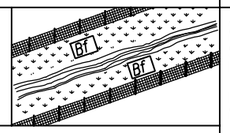
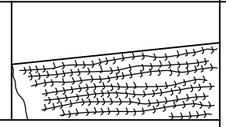
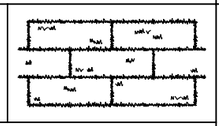
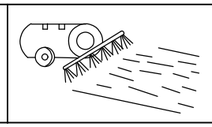
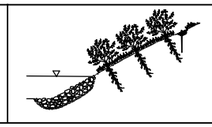
CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
	ORANGE BARRIER FENCE		ORANGE BARRIER FENCE DELINEATES ENVIRONMENTALLY SENSITIVE AREAS WHERE THE CONTRACTOR SHALL NOT CLEAR, GRUB, OR PLACE CONSTRUCTION MATERIALS OR EQUIPMENT WITHIN THIS AREA.
		LINE CODE  ORANGE BARRIER FENCE	
ESA	ENVIRONMENTALLY 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'.

GDOT

NO SCALE

REVISION DATES
3/2/2017

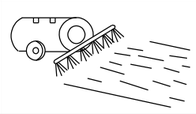
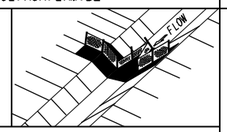
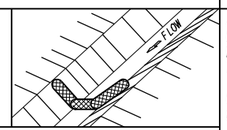
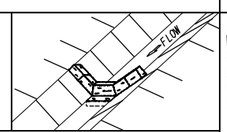
EROSION CONTROL LEGEND

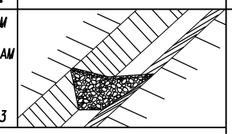
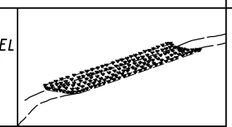
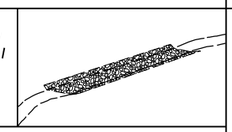
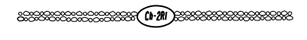
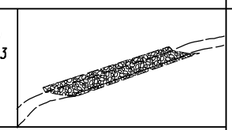
UNIFORM CODE SHEET

SHEET 1 OF 7

CHECKED:	O. EAGLETON	DATE:	01/01/16	DRAWING No.
BACKCHECKED:		DATE:		52-0001
CORRECTED:		DATE:		
VERIFIED:		DATE:		

7/31/2015 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-1	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-2R1	CHANNEL STABILIZATION RIP-RAP, TYPE 1 CONSTRUCTION DETAIL D-49 SECTION 603	 LINE CODE 	THIS ITEM CONSISTS OF LINING A CHANNEL WITH TYPE 1 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

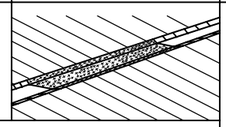
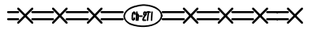
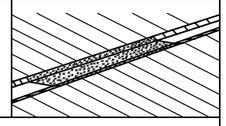
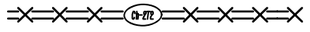
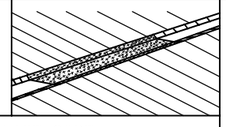
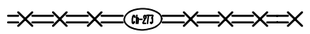
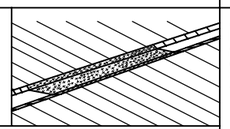
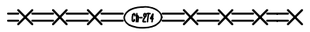
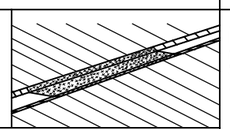
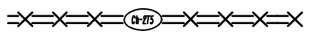
EROSION CONTROL LEGEND

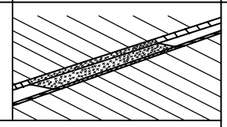
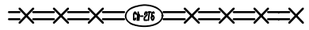
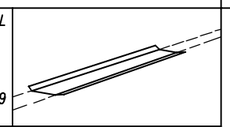
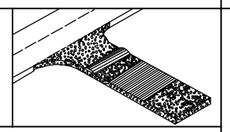
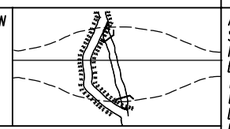
UNIFORM CODE SHEET

SHEET 2 OF 7

CHECKED:	D. EAGLETON	DATE:	01/01/16	DRAWING No.
BACKCHECKED:		DATE:		52-0002
CORRECTED:		DATE:		
VERIFIED:		DATE:		

7/31/2015 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 	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 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 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".

NO SCALE

REVISION DATES
3/2/2017

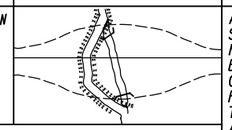
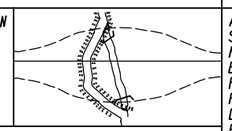
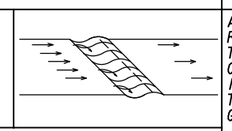
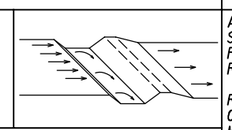
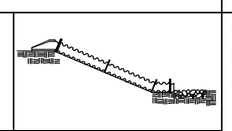
EROSION CONTROL LEGEND

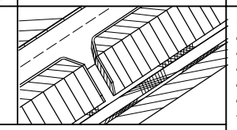
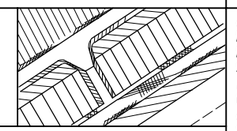
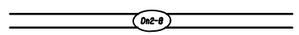
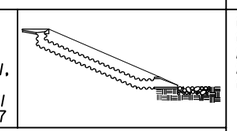
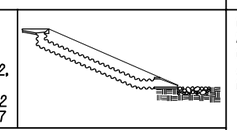
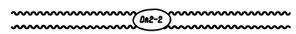
UNIFORM CODE SHEET

SHEET 3 OF 7

CHECKED:	D. EAGLETON	DATE:	01/01/16	DRAWING No.
BACKCHECKED:		DATE:		52-0003
CORRECTED:		DATE:		
VERIFIED:		DATE:		

7/31/2015 GPLN

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Dc-B	STREAM DIVERSION CHANNEL GEOTEXTILE ONLY 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 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.
Dc-C	STREAM DIVERSION CHANNEL RIP-RAP & GEOTEXTILE 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 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.
Dl-1	DIVERSION BERM CONSTRUCTION DETAIL D-47 SECTION 205	 LINE CODE 	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.
Dl-2	DIVERSION CHANNEL SECTION 205	 LINE CODE 	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.
Dnl	TEMPORARY DOWNDRAIN STRUCTURE FLEXIBLE CONSTRUCTION DETAIL D-19 SECTION 163	 LINE CODE 	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.

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Dn2-A	PERMANENT DOWNDRAIN STRUCTURE CONCRETE CONSTRUCTION DETAIL D-9 SECTION 441	 LINE CODE 	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).
Dn2-B	PERMANENT DOWNDRAIN STRUCTURE CONCRETE CONSTRUCTION DETAIL D-9 SECTION 441	 LINE CODE 	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).
Dn2-1	PERMANENT DOWNDRAIN STRUCTURE GA. STD 9013 TP1, 9017J TP1, DETAIL D-26 TP1 SECTION 576, 577	 LINE CODE 	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).
Dn2-2	PERMANENT DOWNDRAIN STRUCTURE GA. STD 9013 TP2, 9017J TP2, DETAIL D-26 TP2 SECTION 576, 577	 LINE CODE 	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).

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

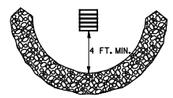
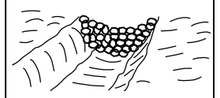
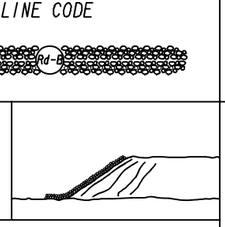
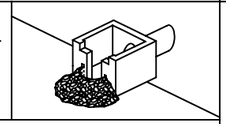
REVISION DATES
3/2/2017

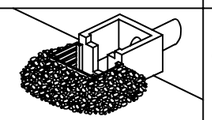
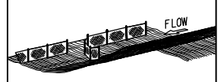
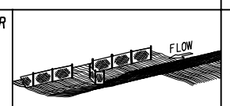
EROSION CONTROL LEGEND

UNIFORM CODE SHEET

SHEET 4 OF 7

CHECKED:	D. EAGLETON	DATE:	01/01/16	DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		52-0004
VERIFIED:		DATE:		

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-I 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
Sdl-NS	SEDIMENT BARRIER (NON-SENSITIVE) SILT FENCE TYPE A CONSTRUCTION DETAIL D-24 SECTION 171	 LINE CODE: —A——A——A—(Sdl-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.
Sdl-S	SEDIMENT BARRIER (SENSITIVE) SILT FENCE TYPE C CONSTRUCTION DETAIL D-24 SECTION 171	 LINE CODE: —C——C——C—(Sdl-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".

GDOT

NO SCALE

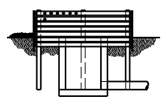
REVISION DATES		
3/2/2017		

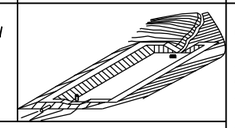
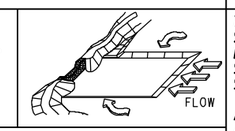
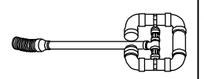
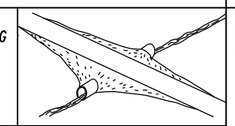
EROSION CONTROL LEGEND

UNIFORM CODE SHEET

SHEET 5 OF 7

CHECKED:	D. EAGLETON	DATE:	01/01/16	DRAWING No.
BACKCHECKED:		DATE:		52-0005
CORRECTED:		DATE:		
VERIFIED:		DATE:		

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Sd1-BB	SEDIMENT BARRIER BRUSH BARRIER CONSTRUCTION DETAIL D-24B SECTION 201		THIS ITEM CONSISTS OF INTERWINGLED 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.
	LINE CODE * * * Sd1-BB * * *		
Sd2-B	INLET SEDIMENT TRAP (BAFFLE BOX) CONSTRUCTION DETAIL D-42 SECTION 163		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.
	SYMBOL Sd2-B		
Sd2-Bg	INLET SEDIMENT TRAP (BLOCK & GRAVEL) CONSTRUCTION DETAIL D-42 SECTION 163		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.
	SYMBOL Sd2-Bg		
Sd2-F	INLET SEDIMENT TRAP (FILTER FABRIC) CONSTRUCTION DETAIL D-24C SECTION 163		(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.
	SYMBOL Sd2-F		
Sd2-G	INLET SEDIMENT TRAP (GRAVEL) CONSTRUCTION DETAIL D42 SECTION 163		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.
	SYMBOL Sd2-G		

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Sd3	TEMPORARY SEDIMENT BASIN CONSTRUCTION DETAIL D-22A, D-22B SECTION 163		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.
	SYMBOL Sd3		
Sd4-C	ROCK OUTLET TEMPORARY SEDIMENT TRAP CONSTRUCTION DETAIL D-53 SECTION 163		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.
	SYMBOL Sd4-C		
Sk	FLOATING SURFACE SKIMMER CONSTRUCTION DETAIL D-22A, D-22B SECTION 163		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.
	SYMBOL Sk		
Sr	TEMPORARY STREAM CROSSING SECTION 107		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!
	SYMBOL Sr		

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".

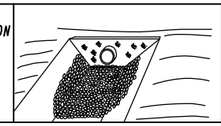
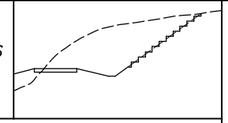
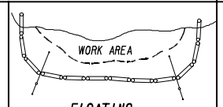
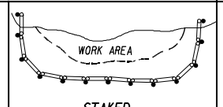
NO SCALE

REVISION DATES
3/2/2017
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:		

7/31/2015 GPLN

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'.

GDOT

NO SCALE

REVISION DATES
3/2/2017

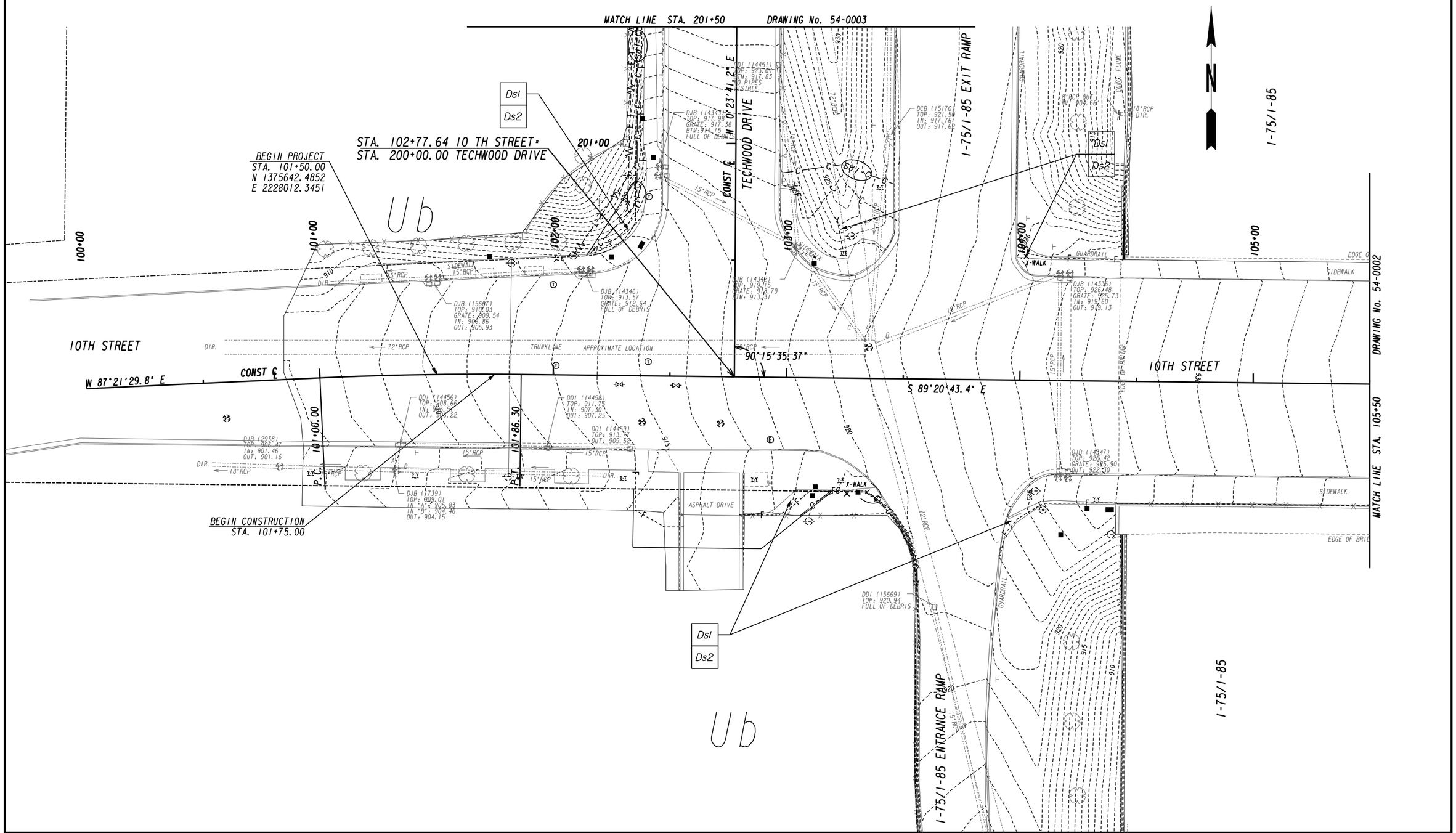
EROSION CONTROL LEGEND

UNIFORM CODE SHEET

SHEET 7 OF 7

CHECKED:	D. EAGLETON	DATE:	01/01/16	DRAWING No.
BACKCHECKED:		DATE:		52-0007
CORRECTED:		DATE:		
VERIFIED:		DATE:		

7/31/2015 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)

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 601, 817 West Peachtree Street, NW
Atlanta, GA 30308

SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT
PERIMETER CONTROL

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		54-0001
VERIFIED:		DATE:		

10/23/2015 GPLN

MATCH LINE STA. 308+00 DRAWING No. 54-0005

308+00

I-75/I-85

106+00

CONST ℄ WILLIAMS STREET

107+00

108+00

TWELVE STORY BRICK & CONC.

BUS STOP

36" RCP

307+00

10TH STREET

90°07'21.67"

S 89°20'43.4" E

CONST ℄ 10TH STREET

18" RCP

END PROJECT
STA. 108+50.00
N 1375634.9270
E 2228712.3009

END CONSTRUCTION
STA. 108+14.82

ORANGE BARRIER FENCE

DRAWING No. 54-0001

MATCH LINE STA. 105+50

X-WALK

306+00

Dsl
Ds2

WILLIAMS STREET

N 0°31'54.9" E

TEN STORY BLOCK & CONC.

CONC. WALL

I-75/I-85

STA. 106+78.01 10 TH STREET=
STA. 306+79.80 WILLIAMS STREET

305+00

MATCH LINE STA. 305+00 DRAWING No. 54-0004

Ub

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)

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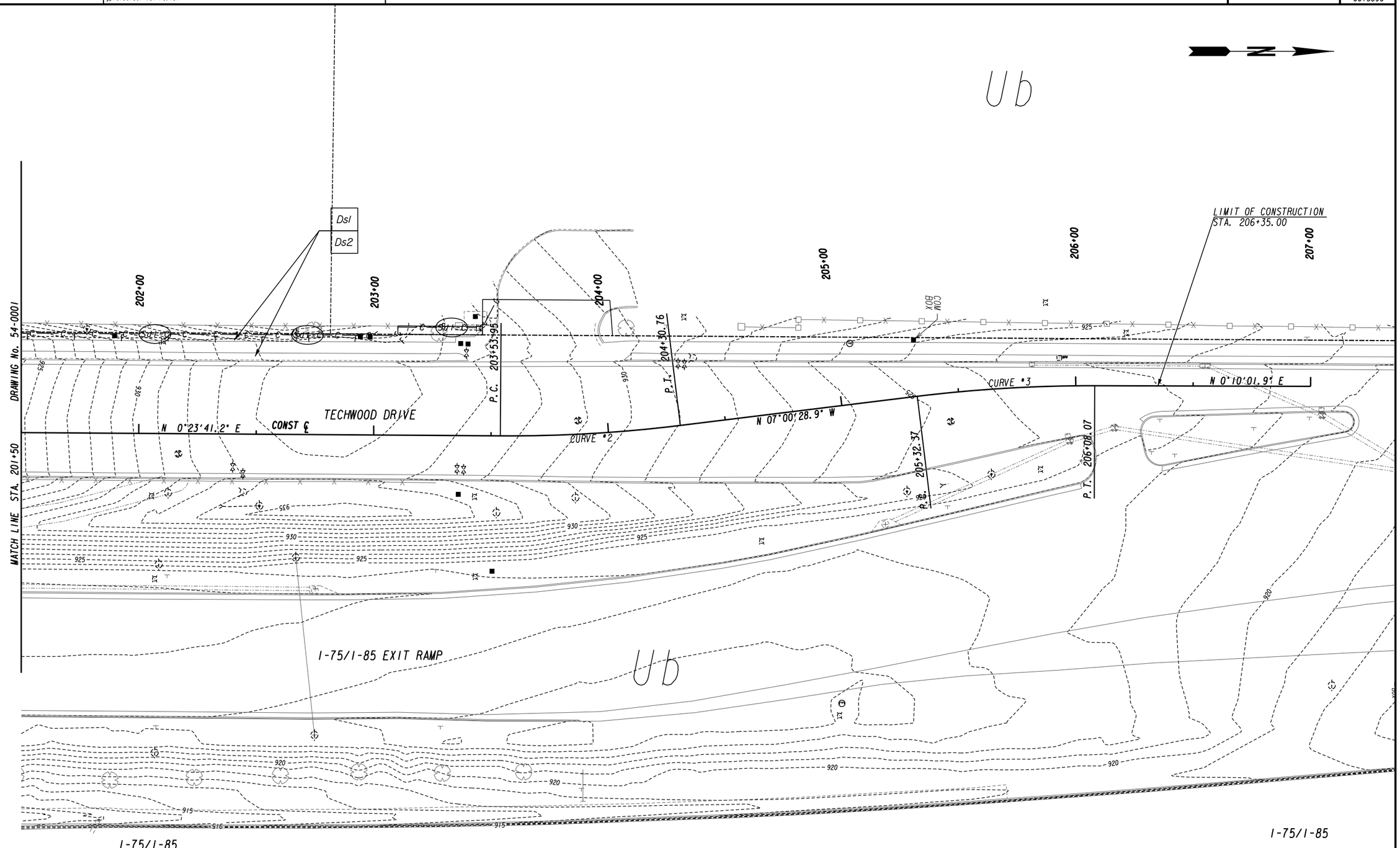
Atlanta, GA 30308

SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS
10TH STREET BRIDGE MULTI-MODAL CONNECTION PROJECT
PERIMETER CONTROL

CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	54-0002
VERIFIED:		DATE:	



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)

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SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT
PERIMETER CONTROL

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		54-0003
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN

I-75/I-85

I-75/I-85

Ub

LIMIT OF R/W ACQUISITION
STA. 303+30.52

STA. 303+10.95 WILLIAMS STREET
STA. 401+75.00 PEACHTREE PLACE

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

LIMIT OF CONSTRUCTION
STA. 300+50.00

Ds1
Ds2

MATCH LINE STA. 305+00

DRAWING No. 54-0002

925 | 926 | 940

CONST ℄ WILLIAMS STREET N 0°31'54.9" E

90°16'24.43"

CONST ℄ PEACHTREE PLACE N89°44'29.5"W

CONC. WALL

401+00

400+00

8 TH STREET

SIX STORY CONCRETE BUILDING

SIX STORY CONCRETE BUILDING

TEN STORY BLOCK & CONC. WITH PARKING GARAGE

TEN STORY BLOCK & CONC. WITH PARKING GARAGE

LIMIT OF CONSTRUCTION
STA. 400+35.00

Ub

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)

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Atlanta, GA 30308

SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT
PERIMETER CONTROL

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

DRAWING No. 54-0004

10/23/2015 GPLN

I-75/I-85

I-75/I-85

Ub

CONSTRUCTION TO BE COMPLETED BY OTHERS

DRAWING No. 54-0002

MATCH LINE STA. 308+00

308+00 309+00 310+00 311+00 312+00 313+00

Ds1
Ds2

P.C. 310+39.42

P.T. 310+97.07

CONST ℄

N 0°31'54.9" E

WILLIAMS STREET

N 0°12'07.2" E

935

926

946

DRAWING No. 54-0006

MATCH LINE STA. 313+50

ELEVEN STORY BRICK & CONC.

ESA - RETAIL CREDIT COMPANY BUILDING
SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN GENERAL NOTES FOR CONSTRUCTION RESTRICTIONS

Ub

ESA - H.M. PATTERSON & SON - SPRING HILL CHAPEL
SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN GENERAL NOTES FOR CONSTRUCTION RESTRICTIONS

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)

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 601, 817 West Peachtree Street, NW
Atlanta, GA 30308

SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT
PERIMETER CONTROL

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		54-0005
VERIFIED:		DATE:		

I-75/I-85

I-75/I-85

Ub

STA. 317+44.21 WILLIAMS STREET =
STA. 501+75.00 12TH STREET

LIMIT OF CONSTRUCTION
STA. 317+84.26

314+00 315+00 316+00 317+00 318+00

DRAWING No. 54-0005

MATCH LINE STA. 313+50

935 930 925 920

CONST ℄
N 0°12'07.2" E

WILLIAMS STREET

90°12'39.09"

OE6 OE6 OE6

TWO STORY BRICK TWO STORY BRICK TWO STORY BRICK

Ds1
Ds2

501+00

CONST ℄

PARKING GARAGE PARKING GARAGE

N89°35'13.7"W

12TH STREET

ESA - RETAIL CREDIT COMPANY BUILDING
SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN
GENERAL NOTES FOR CONSTRUCTION RESTRICTIONS

LIMIT OF CONSTRUCTION
STA. 500+15.00

500+00

Ub

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)

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 601, 817 West Peachtree Street, NW
Atlanta, GA 30308

SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT
PERIMETER CONTROL

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		54-0006
VERIFIED:		DATE:		

10/23/2015 GPLN

MATCH LINE STA. 201+50 DRAWING No. 54-0009

BEGIN PROJECT
STA. 101+50.00
N 1375642.4852
E 2228012.3451

STA. 102+77.64 10 TH STREET=
STA. 200+00.00 TECHWOOD DRIVE

CONST ℄ | N 0°23'41.2" E TECHWOOD DRIVE

I-75/I-85 EXIT RAMP

LIMIT OF MILL AND INLAY

I-75/I-85

10TH STREET

W 87°21'29.8" E CONST ℄ CURVE #1

90°15'35.37"

S 89°20'43.4" E
END MILL & INLAY
BEGIN APPROACH
SLAB WIDENING
GDOT STD 9017L
STA. 104+21.68

10TH STREET

DRAWING No. 54-0008

MATCH LINE STA. 105+50

BEGIN CONSTRUCTION
STA. 101+75.00

BEGIN MILL & INLAY
STA. 101+75.00

ASPHALT DRIVE

I-75/I-85 ENTRANCE RAMP

I-75/I-85

LIMIT OF MILL AND INLAY

NOTE:
IMMEDIATELY AFTER FINAL GRADING, PLACE BLOCK SOD, Ds4 BETWEEN BACK OF CURB AND SIDEWALK, BETWEEN SIDEWALK AND SHOULDER BREAK, AND ON ALL CUT/FILL SLOPES OR OTHER DISTURBED AREA. THIS APPLIES TO THE ENTIRE PROJECT.

Curve# 1
PI Sta= 101+43.16
N= 1375643.0027
E= 2228005.4839
DELTA= 3°17'46.8" (RT)
D= 3°49'10.99"
T= 43.16
L= 86.30
R= 1500.00
E= 0.62

VEGETATION DETAIL (TYP)

DO NOT DISTURB EXIST. GATE

DO NOT DISTURB EXIST. FENCE

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)

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 601, 817 West Peachtree Street, NW
Atlanta, GA 30308

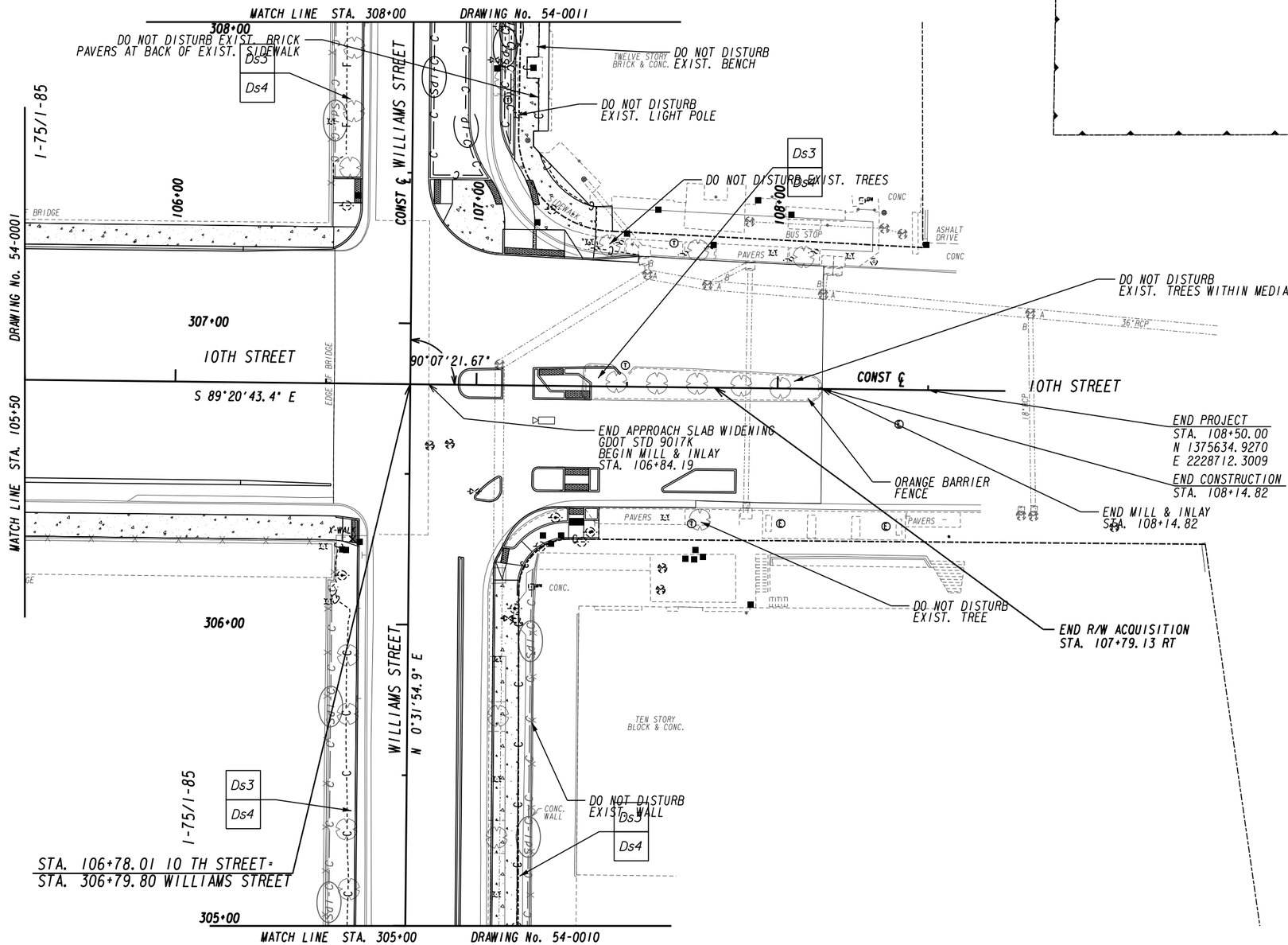
SCALE IN FEET
0 20 40 80

REVISION DATES

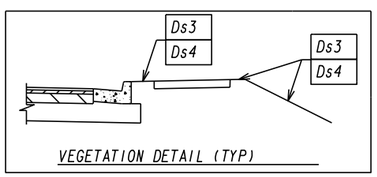
BMP LOCATION DETAILS
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT
STAGE 1

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		54-0007
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN



NOTE:
IMMEDIATELY AFTER FINAL GRADING, PLACE BLOCK SOD, Ds4 BETWEEN BACK OF CURB AND SIDEWALK, BETWEEN SIDEWALK AND SHOULDER BREAK, AND ON ALL CUT/FILL SLOPES OR OTHER DISTURBED AREA. THIS APPLIES TO THE ENTIRE PROJECT.



VEGETATION DETAIL (TYP)

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)

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 601, 817 West Peachtree Street, NW
Atlanta, GA 30308

SCALE IN FEET
0 20 40 80

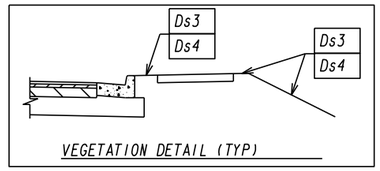
REVISION DATES

BMP LOCATION DETAILS
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT
STAGE 1

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		54-0008
VERIFIED:		DATE:		

10/23/2015 GPLN

NOTE:
IMMEDIATELY AFTER FINAL GRADING, PLACE BLOCK SOD, Ds4 BETWEEN BACK OF CURB AND SIDEWALK, BETWEEN SIDEWALK AND SHOULDER BREAK, AND ON ALL CUT/FILL SLOPES OR OTHER DISTURBED AREA. THIS APPLIES TO THE ENTIRE PROJECT.



VEGETATION DETAIL (TYP)

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EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
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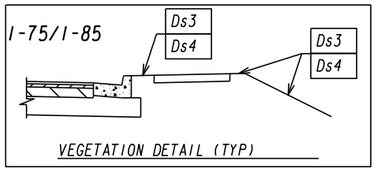
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT
STAGE 1

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		54-0009
CORRECTED:		DATE:		
VERIFIED:		DATE:		

NOTE:
IMMEDIATELY AFTER FINAL GRADING, PLACE BLOCK SOD, Ds4 BETWEEN BACK OF CURB AND SIDEWALK, BETWEEN SIDEWALK AND SHOULDER BREAK, AND ON ALL CUT/FILL SLOPES OR OTHER DISTURBED AREA. THIS APPLIES TO THE ENTIRE PROJECT.



VEGETATION DETAIL (TYP)

I-75/I-85

BEGIN TYPE III SPECIAL SURFACE COATING FINISH
APPLY TO VERTICAL FACE OF PARAPET WALL ONLY
STA. 301+22.22

LIMIT OF R/W ACQUISITION
STA. 303+30.52

STA. 303+10.95 WILLIAMS STREET
STA. 401+75.00 PEACHTREE PLACE

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

MATCH LINE STA. 305+00

LIMIT OF CONSTRUCTION
STA. 300+50.00

BEGIN MILL & INLAY
STA. 300+50.00

CONST ℄ WILLIAMS STREET N 0°31'54.9" E

90°16'24.43"

Ds3
Ds4

Sd1-C

Sd2-F

SIDEWALK

CONC.

CONST ℄ PEACHTREE PLACE N89°44'29.5"W

DO NOT DISTURB EXIST. TREES

DO NOT DISTURB EXIST. WALL

CONC. WALL

Ds3
Ds4

401+00

400+00

8 TH STREET

SIX STORY CONCRETE BUILDING

SIX STORY CONCRETE BUILDING

TEN STORY BLOCK & CONC. WITH PARKING GARAGE

TEN STORY BLOCK & CONC. WITH PARKING GARAGE

BEGIN MILL & INLAY
STA. 400+35.00

LIMIT OF CONSTRUCTION
STA. 400+35.00

DRAWING No. 54-0008

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
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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)

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Engineering, Planning, and Environmental Consultants
Suite 601, 817 West Peachtree Street, NW
Atlanta, GA 30308

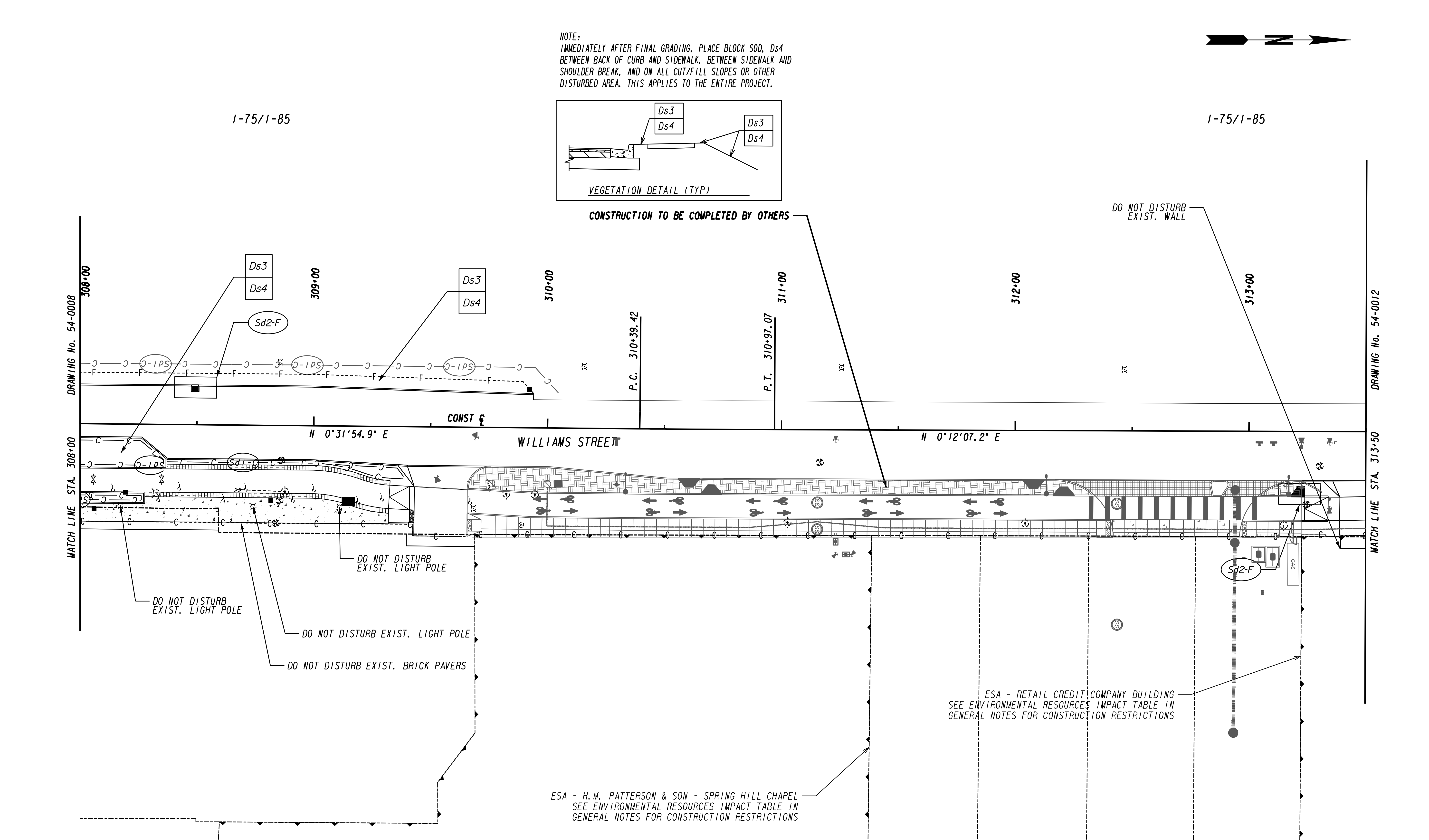
SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT
STAGE I

CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	54-0010
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

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ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

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SCALE IN FEET
0 20 40 80

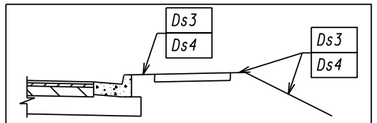
REVISION DATES

BMP LOCATION DETAILS
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT
STAGE 1

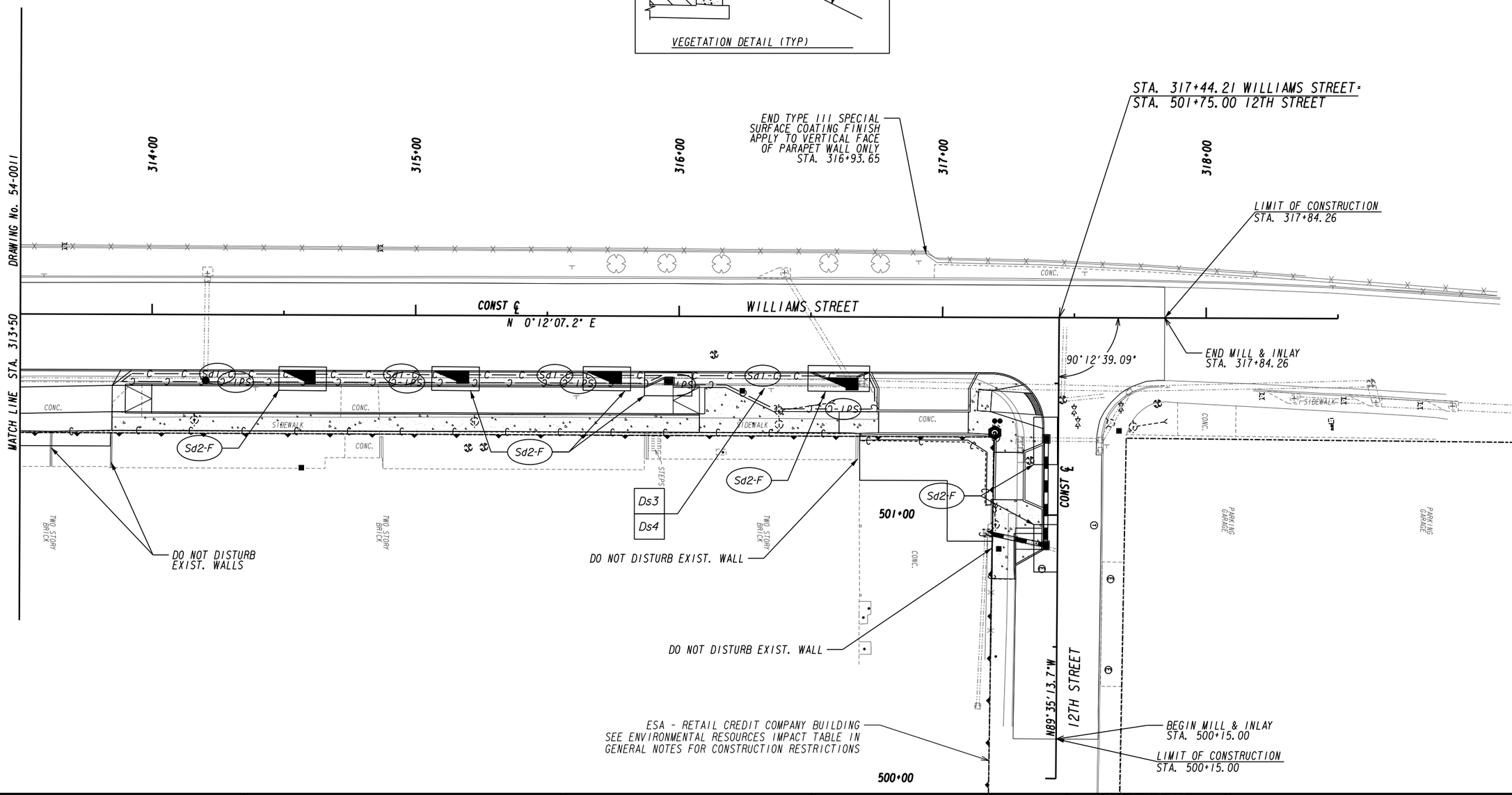
CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No. 54-0011

NOTE:
IMMEDIATELY AFTER FINAL GRADING, PLACE BLOCK SOD, Ds4 BETWEEN BACK OF CURB AND SIDEWALK, BETWEEN SIDEWALK AND SHOULDER BREAK, AND ON ALL CUT/FILL SLOPES OR OTHER DISTURBED AREA. THIS APPLIES TO THE ENTIRE PROJECT.



VEGETATION DETAIL (TYP)



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
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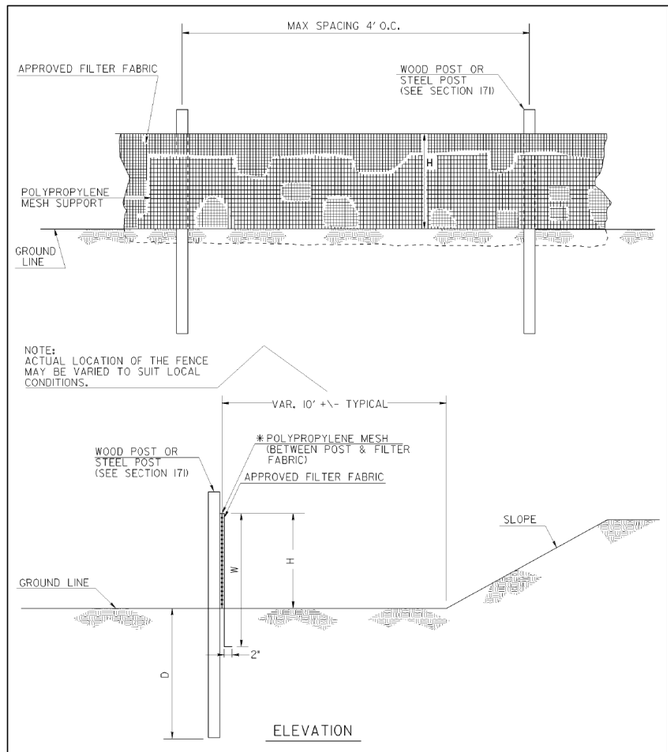
SCALE IN FEET
0 20 40 80

REVISION DATES

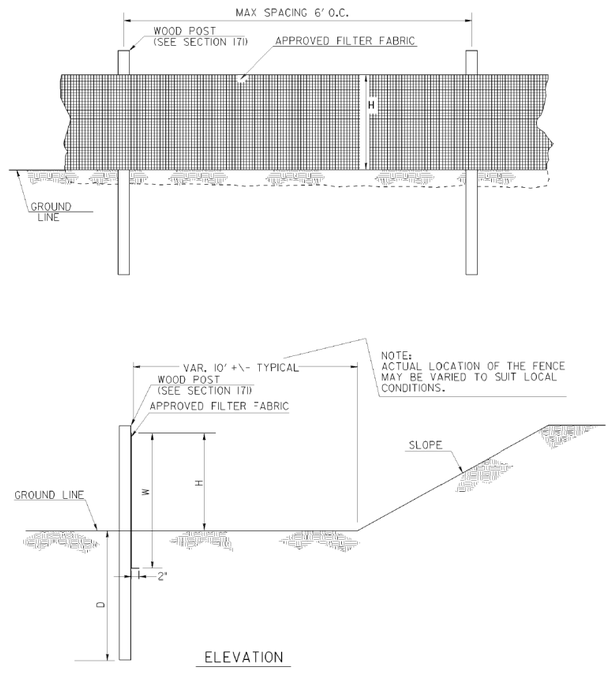
BMP LOCATION DETAILS
10TH STREET BRIDGE
MULTI-MODAL CONNECTION PROJECT
STAGE 1

CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	54-0012
VERIFIED:		DATE:	

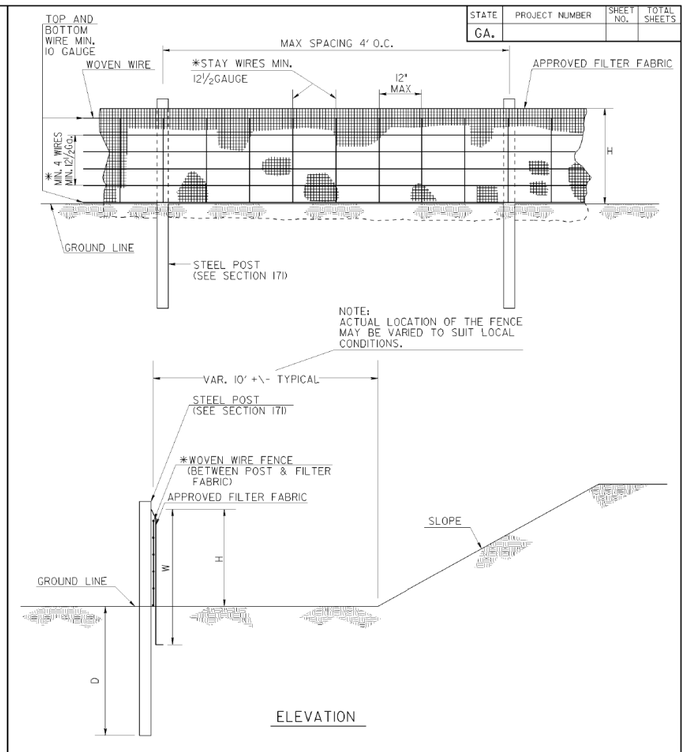
10/23/2015 GPLN



SINGLE ROW TYPE C SILT FENCE WITH POLYPROPYLENE MESH SUPPORT



SINGLE ROW TYPE A SILT FENCE



SINGLE ROW TYPE C SILT FENCE WITH WOVEN WIRE SUPPORT

FENCE TYPE	POST LENGTH	H	D	W	TYPICAL USES
TYPE "A"	4 FT.	2'-4"	1'-6"	3'-0"	
TYPE "C"	4 FT.	2'-4"	1'-6"	3'-0"	AT BRIDGE END ROLLS, DOUBLE ROW ALONG STREAMS, WETLANDS AND ENVIRONMENTALLY SENSITIVE AREAS FOR USE OF THIS MATERIAL IN FABRIC CHECKDAMS SEE D-24D.

NOTES:

1. WIRE STAPLES SHALL BE AT LEAST 17 GAUGE, WITH LEGS AT LEAST ½ INCHES LONG AND A CROWN AT LEAST ¾INCHES WIDE. NAILS SHALL BE AT LEAST 14 GAUGE, 1INCH LONG , WITH BUTTON HEADS AT LEAST ¾ INCHES WIDE.
2. NAILS OR STAPLES SHALL BE EVENLY PLACED WITH AT LEAST 5 PER POST FOR TYPE A FENCE AND 4 PER POST FOR TYPE C FENCE.
3. THE VERTICAL WIRES FOR THE WOVEN WIRE SUPPORT FENCE SHALL HAVE A MAXIMUM SPACING OF 12 INCHES. THE TOP AND BOTTOM WIRES SHALL BE AT LEAST 10 GAUGE AND ALL OTHER WIRES SHALL BE AT LEAST 12½ GAUGE.
4. TEMPORARY SILT FENCE INSTALLATION IS DIFFERENT THAN THE SILT RETENTION BARRIER INSTALLATION.
5. SEE SECTION 171 FOR SILT FENCE SPECIFICATIONS.
6. SEE SECTION 894 FOR FENCING SPECIFICATIONS.
7. SEE OPL-36 FOR A LIST APPROVED SILT FENCE FABRIC.
8. TEMPORARY SILT FENCE SHALL NOT BE PLACED WITHIN STATE WATERS UNLESS PERMITTED.

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS

TEMPORARY SILT FENCE

NO SCALE REV. AND REDRAWN JAN. 2011

NUMBER D-24A (SHEET 1 OF 4)

DATE | REVISION | BY

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REVISION DATES

EROSION CONTROL CONTRUCTION DETAILS

NO SCALE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		56-0001
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN

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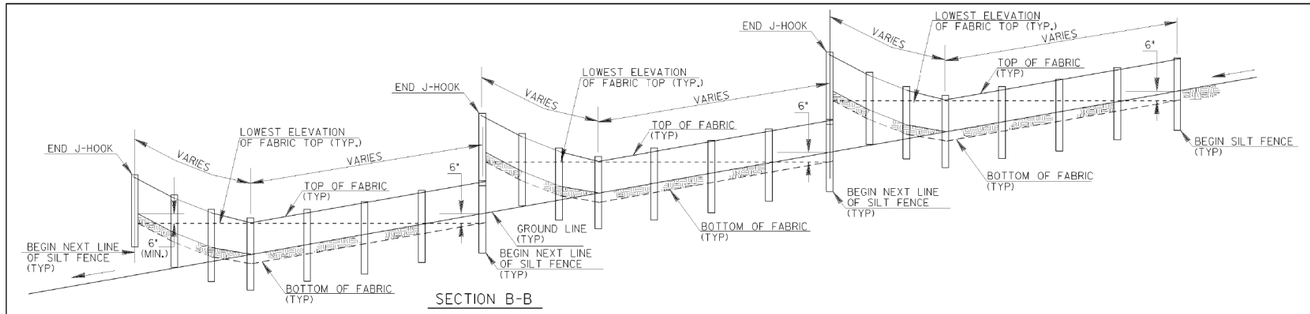
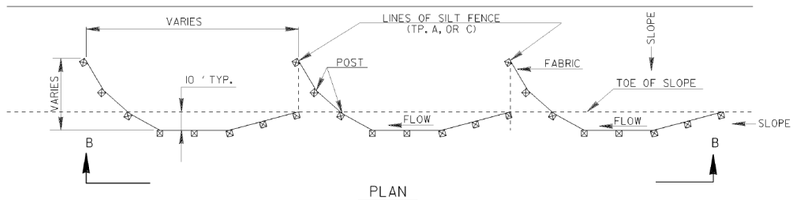
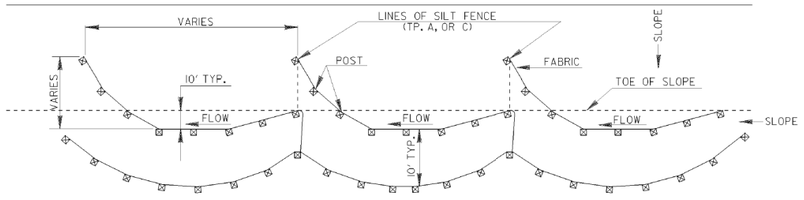


SECTION B-B



PLAN

SINGLE ROW SILT FENCE



PLAN

DOUBLE ROW SILT FENCE

TYPICAL J HOOK SPACING		
SLOPE PERCENT	TYPE OF SILT FENCE	MINIMUM SPACING (FEET)
1% TO 2%	TYPE A	100' ±
2% TO 3%	TYPE A	50' ±
3% TO 4%	TYPE C	50' ±
4% TO 5%	TYPE C	25' ±

NOTE:

1. IF THE GRADE IS BETWEEN 0 TO 1 PERCENT, THE SILT FENCE SHALL BE PLACED ACROSS THE DITCH.
2. TEMPORARY SILT FENCE SHALL NOT BE PLACED WITHIN STATE WATERS.

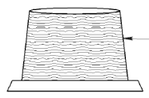
(PLASTIC ALTERNATE)

NOTE:
THE DRAINAGE AREA ENTERING THE INLET SEDIMENT TRAP SHALL BE NO GREATER THAN ONE ACRE.

TYPICAL CONSTRUCTION SEQUENCE FOR INLET SEDIMENT TRAP ALTERNATE

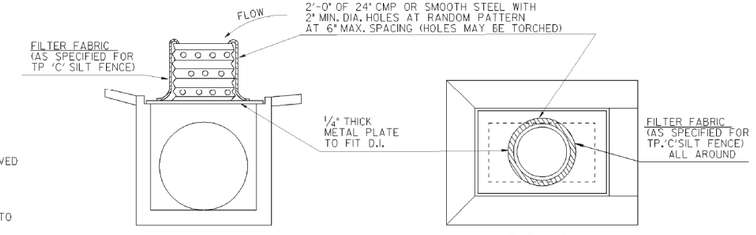
1. EXCAVATE APPROXIMATELY 4" TO 6" BELOW THE TOP OF THE INLET STRUCTURE.
2. PLACE THE FRAME ONTO THE INLET STRUCTURE, ENSURING PROPER SEATING OF FRAME TO STRUCTURE.
3. SLIDE THE FILTER OVER THE FRAME.
4. FILL THE FILTER POCKETS WITH SOIL, #57 GRAVEL OR EQUIVALENT. THE FILTER POCKETS SHOULD BE COMPLETELY FILLED TO ENSURE A GOOD SEAL BETWEEN THE GROUND AND INLET STRUCTURE.
5. BACK FILL AROUND THE FRAME AND FILTER ASSEMBLY IS NOT REQUIRED TO COMPLETE INSTALLATION; HOWEVER, BACK FILLING MAY BE NECESSARY TO COMPLETE EXCAVATION REQUIREMENTS FOR THE SITE.

NOTE:
INLET SEDIMENT TRAP ALTERNATE SHALL BE AS APPROVED BY THE GA. D.O.T. OFFICE OF MATERIALS & RESEARCH. DETAILS & SPECIFICATIONS NOT SHOWN ARE PER THE MANUFACTURER'S REQUIREMENTS.



SIDE VIEW

(METAL ALTERNATE)



SIDE VIEW

TOP VIEW

NOTE: WHERE INLET SEDIMENT TRAPS ARE SPECIFIED, EITHER THE PLASTIC ALTERNATE (LEFT) OR THE METAL ALTERNATE (RIGHT) MAY BE USED AS APPROVED BY THE ENGINEER.

NOTE:
INLET SEDIMENT TRAP AND INLET TO BE BUILT CONTINUOUS WITH PIPE

NOTE:
PAYMENT AS INLET SEDIMENT TRAP PER EACH

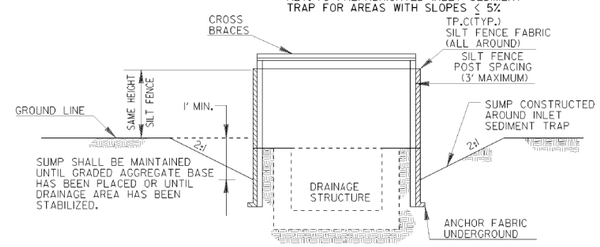
NOTE: SEE SEPARATE DETAILS FOR SILT FENCE AROUND DROP INLETS.

INLET SEDIMENT TRAP - FOR DROP INLETS

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

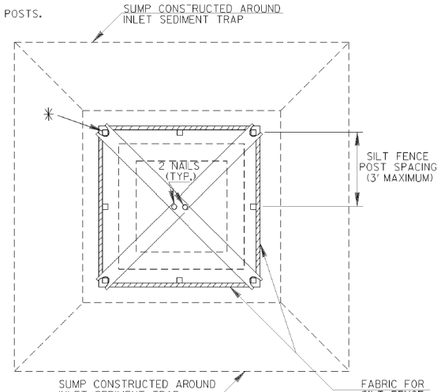
TYPICAL LOCATION AROUND DROP INLETS

ALT. TO PREFABRICATED INLET SEDIMENT TRAP FOR AREAS WITH SLOPES ≤ 5%



ELEVATION

✳ CROSS BRACING REQUIRED WHEN USING "ALTERNATE" TYPE C PRODUCTS WHICH USE WOOD POSTS.



PLAN

CROSS BRACES:

TWO - 2 X 4's WITH ENDS TO FIT POST, PROVIDING STURDY SUPPORT, OR AN APPROVED ALTERNATE

NOTE:
PAYMENT AS INLET SEDIMENT TRAP PER EACH.

NOTE:
SEE SEPARATE SHEET ENTITLED "TEMPORARY SILT FENCE DETAILS" FOR SILT FENCE ERECTION DETAILS.

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS
TEMPORARY SILT FENCE
J-HOOK, INLET SEDIMENT TRAPS

NO SCALE JANUARY 2011

DATE | REVISION | BY

NUMBER D-24C (SHEET 3 OF 4)

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REVISION DATES

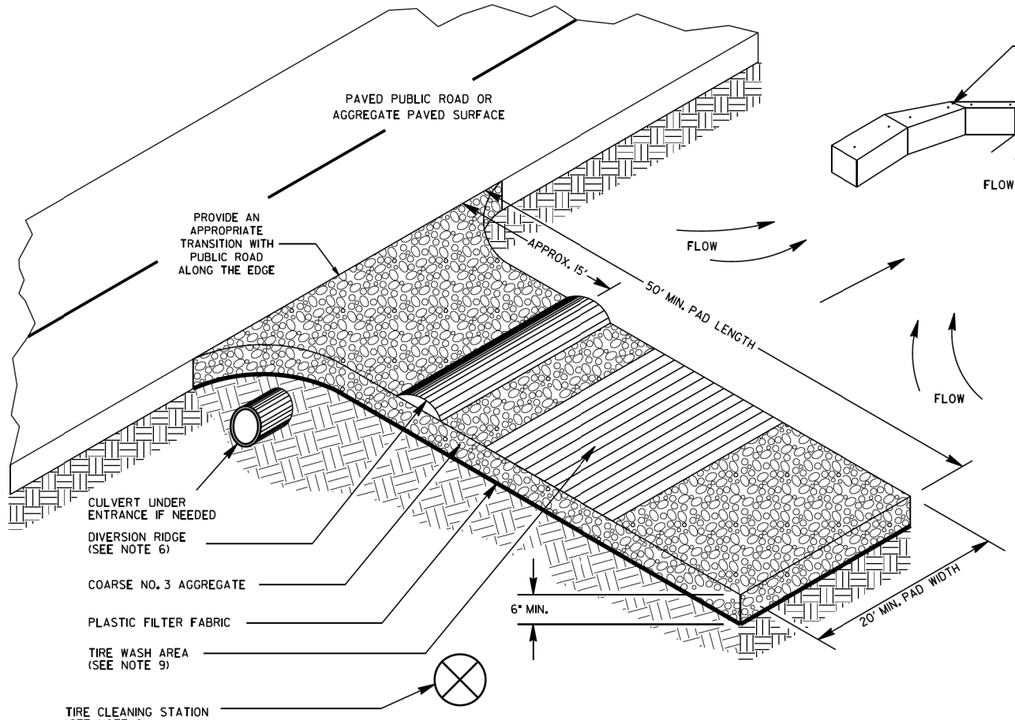
EROSION CONTROL CONTRUCTION DETAILS

NO SCALE

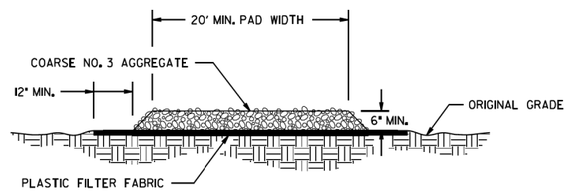
CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		56-0002
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



ENTRANCE ELEVATION



GENERAL NOTES:

1. AVOID LOCATING CONSTRUCTION EXITS ON STEEP SLOPES OR AT SHARP CURVES ON PUBLIC ROADS. CONSTRUCTION EXITS ARE NOT REQUIRED FOR DIRT PUBLIC ROADS.
2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA AND GRADE FOR POSITIVE DRAINAGE.
3. AGGREGATE SIZE SHALL BE COARSE NO. 3 AGGREGATE WITH 0.0% PASSING THE 1.06 INCH U.S. STANDARD SIEVE.
4. GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6 INCHES AND PLACED ON APPROVED PLASTIC FILTER FABRIC.
5. GRAVEL PAD WIDTH SHALL BE EQUAL FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN 20'.
6. PROVIDE A TRAVERSABLE DIVERSION RIDGE CONSTRUCTED OF AGGREGATE 6 INCHES TO 8 INCHES HIGH WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2%.
7. INSTALL CULVERT UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.
8. TIRE WASH AREA INCLUDES SEDIMENT TRAP OR OTHER ACCEPTABLE SEDIMENT STORAGE DEVICE AND SHALL BE CONSTRUCTED EVEN IF CONSTRUCTION EXIT TIRE CLEANING STATION IS NOT USED.
9. IF THE ACTION OF THE VEHICLE TRAVELING OVER THE GRAVEL PAD DOES NOT SUFFICIENTLY REMOVE THE MUD PRIOR TO ENTERING PUBLIC ROADS THUS DICTATING ADDITIONAL TIRE CLEANING MEASURES, THE CONTRACTOR SHALL ADD A CONSTRUCTION EXIT TIRE CLEANING STATION TO AN EXISTING CONSTRUCTION EXIT OR WHEN DIRECTED BY THE ENGINEER. THE CONSTRUCTION EXIT TIRE CLEANING STATION INCLUDES: WATER SOURCE, LABOR AND ALL MATERIALS NECESSARY TO PERFORM TASK. THIS WILL BE PAID FOR AS SHOWN IN SECTION 163.

   THE WASHING SHALL BE DONE ON AN AREA STABILIZED WITH AGGREGATE THAT DRAINS INTO A SEDIMENT TRAP OR OTHER ACCEPTABLE SEDIMENT STORAGE DEVICE, DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE CONSTRUCTION EXIT TO THE SEDIMENT CONTROL DEVICE. ACCEPTABLE SEDIMENT STORAGE DEVICE EXAMPLES INCLUDE TEMPORARY SEDIMENT TRAPS, HAY BALES OR STONE FILTER RING WITH THE SEDIMENT STORAGE SIZED FOR 67 CUBIC YARDS PER ACRE OF DRAINAGE. TIRE WASHING SHALL BE DONE MANUALLY OR BY EQUIPMENT SUITABLE FOR TRUCK TRAFFIC THAT REMOVES MUD AND DIRT.
10. AGGREGATE SHALL BE KEPT LOOSE OR SCARIFIED WHEN AGGREGATE BECOMES CONSOLIDATED.
11. CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION THAT PREVENTS TRACKING AND/OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR, AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT. MAINTENANCE OF CONSTRUCTION EXIT MAY BE PAID WITH OR WITHOUT THE MAINTENANCE OF CONSTRUCTION EXIT TIRE WASH AREA. WHEN DIRECTED BY THE ENGINEER. ALL MUD AND DEBRIS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES OR SITE ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.

   SEE SECTION 163 FOR THE CONSTRUCTION AND REMOVAL OF CONSTRUCTION EXITS. SEE SECTION 165 FOR THE MAINTENANCE OF CONSTRUCTION EXITS.

PAY ITEM:		
163-0301	CONSTRUCT AND REMOVE CONSTRUCTION EXITS	(EA)
165-0101	MAINTENANCE OF CONSTRUCTION EXIT	(EA)
165-0310	MAINTENANCE OF CONSTRUCTION EXIT TIRE WASH AREA	(EA)
PAY ITEM:	**FOR FIELD USE ONLY ACCORDING TO SECTION 163**	
163-0310	CONSTRUCTION EXIT TIRE CLEANING STATION	(DAY)

DATE	REVISION
11-04-20	REV. GEN. NOTES • 8-11
04-18-18	REV. PAY ITEM DESCS./REFS.
04-22-16	REV. TIRE WASH & NOTES
04-14-11	REV. CONSTR. 2006 MANUAL
01-01-01	REV. CONSTR. EXIT LABELS

BY: H4C, DLE, DLE, DYC

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS

CONSTRUCTION EXIT

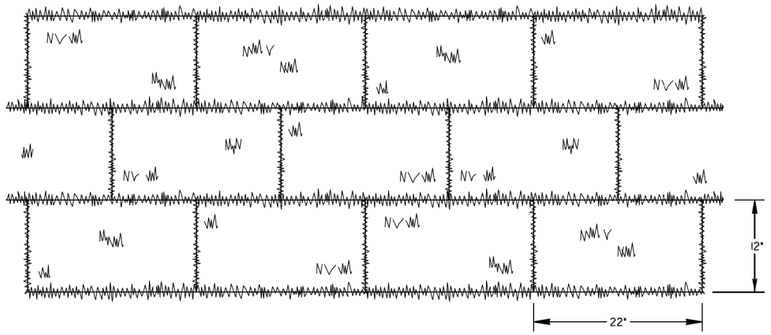
NO SCALE FEBRUARY 2001

DESIGNED ____ DRAWN DLE TRACED ____ CHECKED ____

NUMBER D-41

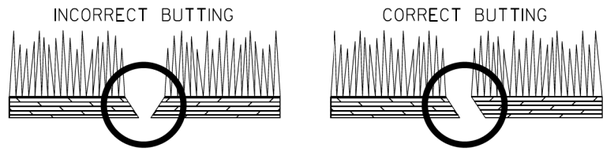
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

SOD LAYOUT

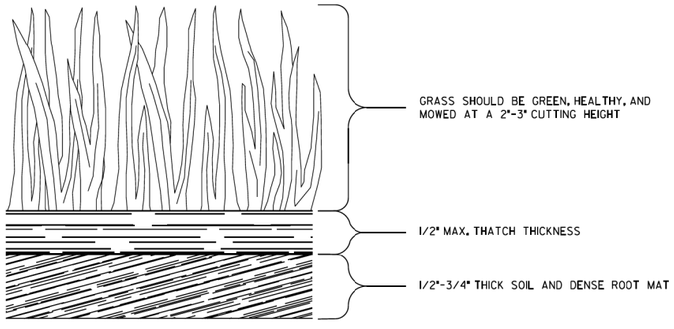


NOTE: SOD MAY BE EITHER 12" WIDE BY 22" LONG BLOCKS OR 21" WIDE BY 52' LONG ROLLS.

ABUTTING SOD



SOD APPEARANCE



GENERAL NOTES:

1. SOD SHALL MEET SECTIONS 700 AND 890 OF THE STANDARD SPECIFICATIONS AND SUPPLEMENTS THERETO. SOD SHALL BE CUT INTO 12"W×22"L BLOCKS OR 21"W×52'L ROLLS.
2. PLACE SOD IN A STAGGERED PATTERN ENSURING FIRM CONTACT WITH THE SOIL. BUTT THE STRIPS TIGHTLY AGAINST EACH OTHER WITH THE AUTOMATIC SOD CUTTER ANGLES CORRECTLY MATCHED WITHOUT SPACES OR OVERLAP.
3. PLACE THE LONG SIDE OF SOD PERPENDICULAR TO DRAINAGE FLOW IF INSTALLED IN DITCHES.
4. STAKE SOD PLACED IN DITCHES OR SLOPES STEEPER THAN 2:1 OR ANY OTHER AREAS WHERE SOD SLIPPING MAY OCCUR. USE WOOD STAKES THAT ARE A MINIMUM OF 8" LONG AND A MAXIMUM OF 1" WIDE. DRIVE STAKES FLUSH WITH THE TOP OF SOD AND USE A MINIMUM OF 8 STAKES PER SQUARE YARD TO HOLD SOD IN PLACE.
5. ROLL SOD IMMEDIATELY TO ACHIEVE FIRM CONTACT WITH THE SOIL.
6. WATER THE SOD IMMEDIATELY AFTER INSTALLATION AND WATER TO A DEPTH OF 4" AS NEEDED.
7. MOW ESTABLISHED SOD TO A HEIGHT NOT LESS THAN 2"-3" AS NECESSARY.

PAY ITEM:
700-9300 SOD (SY)

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS

SOD INSTALLATION

NO SCALE 4-22-2016

DESIGNED ____
DRAWN DLE
TRACED ____
CHECKED ____

NUMBER D-54

DATE / REVISION / BY

10/23/2015 GPLN

NO SCALE

REVISION DATES

EROSION CONTROL CONTRUCTION DETAILS

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		56-0004
CORRECTED:		DATE:		
VERIFIED:		DATE:		