

LOCATION SKETCH

PROJECT LOCATION

CITY OF ATLANTA

PLAN AND PROFILE OF PROPOSED SPRING STREET BIKE AND PEDESTRIAN IMPROVEMENTS

FEDERAL ROUTE: US 19
STATE ROUTE: SR 9
ATL DOT PROJECT NUMBER 3000

DESIGN DATA:
CURRENT TRAFFIC A.D.T.: 21,000
DESIGN TRAFFIC A.D.T.: 18,000
% TRUCKS: 3.8%
SPEED DESIGN: 35 MPH SPRING STREET

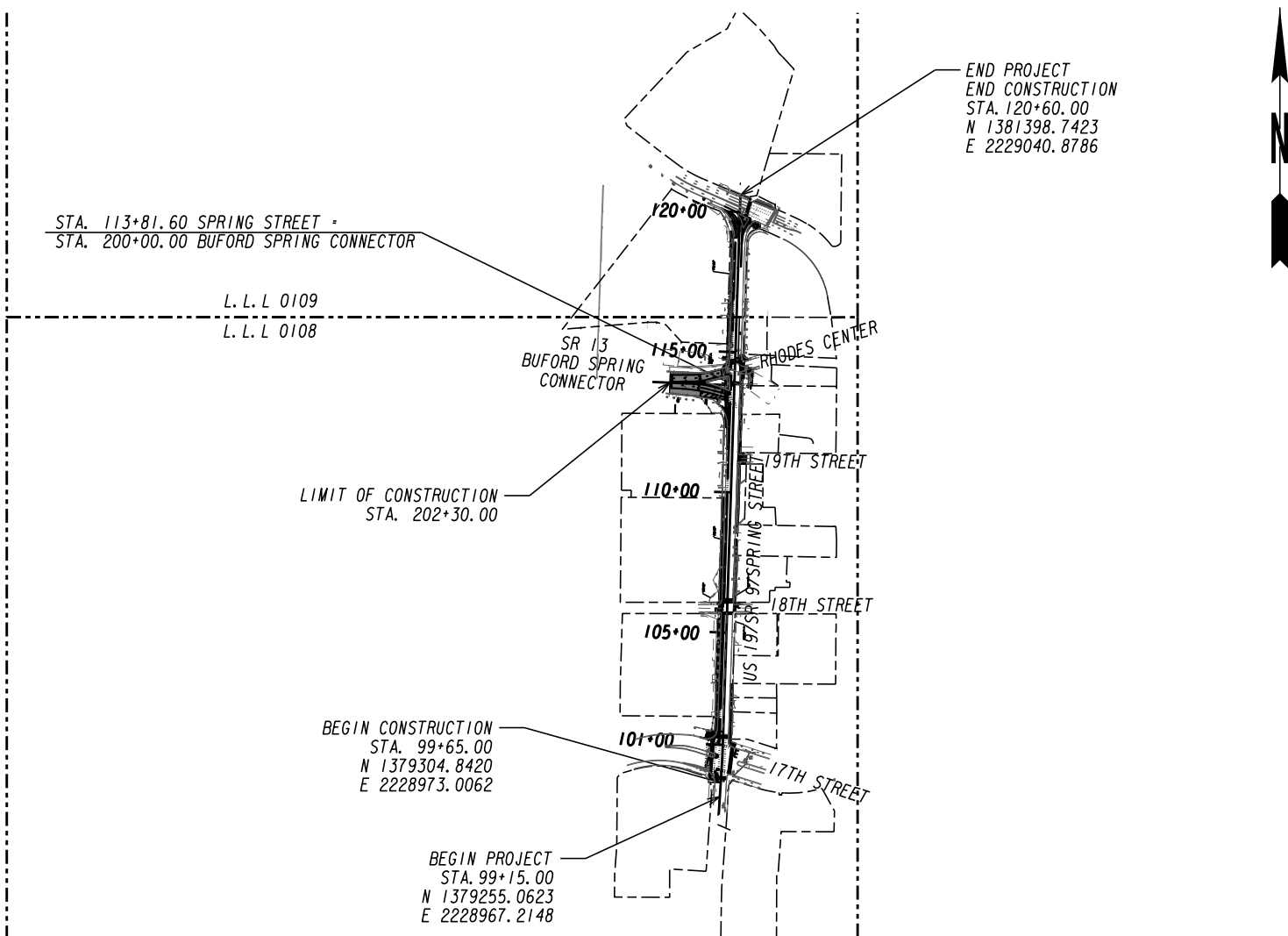
FUNCTIONAL CLASS:
URBAN MINOR ARTERIAL

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

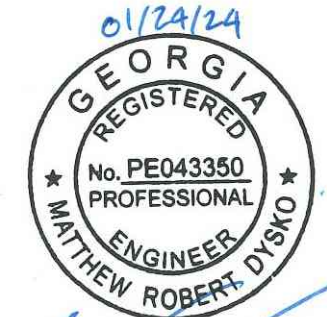
THIS PROJECT HAS BEEN PREPARED
USING THE HORIZONTAL GEORGIA
COORDINATE SYSTEM OF 1984 (NAD
1983/94 WEST ZONE, AND THE NORTH
AMERICAN VERTICAL DATUM (NAVD)
OF 1988.



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.



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.

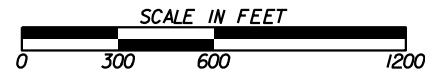


Kimley»Horn

Engineering, Planning, and Environmental Consultants
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Atlanta, GA 30308

PREPARED BY: _____
DESIGN

LENGTH OF PROJECT	
	MILES
NET LENGTH OF ROADWAY	0.405
NET LENGTH OF BRIDGES	0.000
NET LENGTH OF PROJECT	0.405
NET LENGTH OF EXCEPTIONS	0.000
GROSS LENGTH OF PROJECT	0.405



PLANS COMPLETED - 01/24/2024	
REVISIONS	

SHEET NO.	DWG NO.	DESCRIPTION
	01-0001	COVER SHEET
	02-0001	INDEX SHEET
	03-0001	REVISION SUMMARY SHEET
	04-0001 - 04-0002	GENERAL NOTES
	05-0001 - 05-0002	TYPICAL SECTIONS
	06-0001 - 06-0004	SUMMARY OF QUANTITIES
	13-0001 - 13-0004	CONSTRUCTION PLAN SHEETS
	15-0001 - 15-0002	MAINLINE PROFILE SHEETS
	16-0001	CROSSROAD PROFILE SHEET
	17-0001 - 17-0003	DRIVEWAY PROFILE SHEETS
	18-0001 - 18-0002	SPECIAL GRADING
	19-0101 - 19-0305	CONSTRUCTION STAGING PLAN
	19-0301A - 19-0304A	CONSTRUCTION STAGING PLAN (WEST STAGE 3 - ALTERNATE)
	22-0001 - 22-0002	DRAINAGE PROFILES
	23-0001 - 23-0010	CROSS SECTIONS
	24-0001 - 24-0004	UTILITY PLANS
	25-000 - 25-301	LIGHTING PLANS
	26-0001 - 26-0004	SIGNING AND MARKING PLANS AND DETAILS
	27-0001 - 27-0009	SIGNAL PLANS
	29-0001 - 29-0004	LANDSCAPING PLANS
	29-0005 - 29-0008	TREE PROTECTION PLANS
	29-0009 - 29-0010	LANDSCAPING DETAILS
	38-0001 - 38-0007	CONSTRUCTION DETAILS
		EROSION CONTROL PLANS
	51-0001 - 51-0002	ESPC 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)
	53-0001	DRAINAGE MAP
	54-0001 - 54-0008	BMP LOCATION DETAILS
	56-0001 - 56-0003	ESPC DETAILS

SHEET NO.	DWG NO.	DESCRIPTION
		CONSTRUCTION DETAILS
	A-1	- DRIVEWAYS WITH TAPERED ENTRANCES CONCRETE VALLEY GUTTERS (7-11)
	A-2	- CONCRETE VALLEY GUTTER AT STREET INTERSECTION 6 (7-11)
	A-3	- SPECIAL DETAILS - CONCRETE SIDEWALK DETAILS CURB CUT (WHEELCHAIR) RAMPS (9-16)
	A-4	- DETECTABLE WARNING SURFACE TRUNCATED DOME SIZE, SPACING AND ALIGNMENT REQUIREMENTS (6-09)
	T-20	- TRAFFIC CONTROL PEDESTRAIN ACCESSIBILITY AROUND WORKZONE- SIDEWALK DIVERSION (10-08)
	T-21	- TRAFFIC CONTROL PEDESTRAIN ACCESSIBILITY AROUND WORKZONE- SIDEWALK DETOUR (10-08)
	T-01	- SIGN PLATES (1-00)
	T-03A	- TYPE 7, 8 AND 9 SQUARE TUBE POST INSTALLATION DETAIL (7-02)
	T-03B	- DETAILS OF SQUARE TUBE POST (BREAKAWAY SUPPORT) (7-02)
	T-05A	- DETAILS OF REGULATORY SIGNS (SHEET 1 OF 2) (1-03)
	T-05B	- DETAILS OF REGULATORY SIGNS (SHEET 2 OF 2) (1-00)
	T-05C	- DETAILS OF WARNING SIGNS (1-00)
	T-06	- DETAILS OF OVERHEAD SIGNS (1-00)
	T-11A	- DETAILS OF PAVEMENT MARKING PLACEMENT ON NON-LIMITED ACCESS ROADWAY (9-16)
	T-12A	- DETAILS OF PAVEMENT MARKING ARROW LOCATION (1-00)
	T-12B	- DETAILS OF PAVEMENT MARKINGS - ARROWS (4-00)
	T-13A	- DETAILS OF PAVEMENT MARKING WORDS (SHEET 1 OF 2) (09-16)
	T-13B	- DETAILS OF PAVEMENT MARKING WORDS (SHEET 1 OF 2) (09-16)
	T-14	- DETAILS OF PAVEMENT MARKING HATCHING (11-08)
	T-15A	- DETAILS OF RAISED PAVEMENT MARKER LOCATION NON-LIMITED ACCESS ROADWAY (09-16)
	T-15C	- DETAILS OF RAISED PAVEMENT MARKERS (09-11)
	T-16	- DETAILS OF BICYCLE LANE PAVEMENT MARKINGS (03-16)
	TS-02	- PULLBOX ASSEMBLY AND INSTALLATION (4-10)
	TS-03A	- PEDESTRIAN FACILITIES INSTALLATION DETAILS (4-10)
	TS-04	- DETAILS OF METAL TRAFFIC SIGNAL SUPPORT STRUCTURES (4-10)
	TS-06	- DETAILS OF STRAIN POLE AND MAST ARM FOUNDATIONS (4-10)
	TS-07	- GROUNDING DETAILS FOR TRAFFIC SIGNAL SUPPORT STRUCTURES (4-10)
	TS-08	- UTILITY CLEARANCE DETAIL (4-10)
	TS-10	- FIBER OPTICS DETAILS 1 OF 2 (4-10)
	TS-11	- FIBER OPTICS DETAILS 2 OF 2 (4-10)
		CONSTRUCTION STANDARDS
	1011A	- BRICK MANHOLES (10-81)
	1019A	- DROP INLETS (8-99)
	1019B	- DROP INLETS TYPES V-1 and V-2 (8-99)
	1033D	- CATCH BASINS (FOR USE WITH 6' OR 8' HT. CURB AND GUTTER) (8-82)
	1034D	- CATCH BASINS (FOR USE WITH 6' OR 8' CURB AND GUTTER IN SAGS AND LOW POINTS) (8-82)
	1401	- PAVEMENT PATCHING DETAILS (STORM DRAIN OR UTILITY INSTALLATION BY OPEN CUT ACROSS EXISTING PAVEMENT) (08-99)
	9032B	- CONCRETE CURB AND GUTTER, CONCRETE CURBS, CONCRETE MEDIANS (02-20)
	9100	- TRAFFIC CONTROL GENERAL NOTES, STANDARD LEGEND, AND MISCELLANEOUS DETAILS (3-06)
		GEORGIA DOT CONSTRUCTION DETAILS AND STANDARDS ARE NOT INCLUDED IN THE PLAN SET. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN THE DRAWINGS SPECIFIED HEREIN.

REVISION DATES

INDEX

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

PROJECT NOTES

1. A NOTICE OF INTENT IS NOT REQUIRED FOR THIS PROJECT. THE DISTURBED AREA IS 0.4 ACRES, THE PROJECT INVOLVES CONSTRUCTING SIDEWALK, INTERSECTION IMPROVEMENTS, TRAFFIC SIGNAL INSTALLATION AND MEDIAN INSTALLATION.
2. THE CONTRACTOR SHALL CONTACT THE PROPER LOCAL AUTHORITIES OR RESPECTIVE UTILITY COMPANY TO CONFIRM THE LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. ANY DAMAGE DUE TO FAILURE OF THE CONTRACTOR TO CONTACT THE PROPER AUTHORITIES SHALL BE BORNE BY THE CONTRACTOR.
3. 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 PROJECT.
4. 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 AS ENGINEERED FILL. SEE SECTION 201 OF THE STANDARD SPECIFICATION AND SUPPLEMENTS THERETO FOR ADDITIONAL INFORMATION. ANY CONTAMINATED SOIL EXCAVATED DURING CONSTRUCTION ACTIVITIES ALONG THE PROJECT MUST BE DISPOSED OF AT A PERMITTED LINED MUNICIPAL SOLID WASTE LANDFILL.
5. 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, TO BE PAID FOR BY GRADING COMPLETE.
6. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN THE FIELD AND REPORT ANY DISCREPANCIES BETWEEN PLANS AND ACTUAL CONDITIONS TO THE ENGINEER PRIOR TO STARTING WORK.
7. ALL ADA RAMPS AND SIDEWALK WITHIN THE INTERSECTION RADIUS ARE TO BE 8 INCH CONCRETE. THE COST FOR ADA RAMPS INCLUDING DETECTABLE WARNING STRIPS SHALL BE INCLUDED IN THE PRICE BID FOR 8 INCH CONCRETE SIDEWALK.
8. ALL DETECTABLE WARNING SURFACES ARE TO BE RED MASONRY PAVERS.
9. ALL SIGNS WITHIN PROJECT LIMITS WILL BE REPLACED AS SHOWN ON THE SIGNING AND MARKING PLANS.
10. FINISH GRADES: THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL NEW SIDEWALK IS GRADED TO DRAIN, EITHER TO EXISTING OR NEW STRUCTURES. CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING COMPLIANCE WITH ALL FEDERAL, STATE AND LOCAL ACCESSIBILITY CODES.
11. NO BURNING OF MATERIALS WILL BE ALLOWED ON SITE.
12. ALL MINOR UTILITY STRUCTURES, SUCH AS VALVES, METERS, FIRE HYDRANTS AND MANHOLES, WILL BE ADJUSTED TO FINAL GRADE AND WILL BE PAID FOR UNDER 'GRADING COMPLETE.'
13. ALL EXISTING DRAINAGE STRUCTURES ARE TO BE CLEANED OUT PRIOR TO CONSTRUCTION AND KEPT FREE OF DEBRIS. CLEANING DEBRIS OUT OF EXISTING DRAINAGE STRUCTURES WILL BE INCLUDED THE OVERALL PRICE BID FOR GRADING COMPLETE.
14. CONTRACTOR TO COORDINATE REMOVAL OR RELOCATION OF EXISTING MARTA STOPS AND SHELTERS WITH MARTA OR MARTA REPRESENTATIVE.
15. 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 CONCRETE. ALL OTHER DRIVEWAYS SHALL BE REPLACED AS FOLLOWS: ASPHALT FOR ASPHALT, CONCRETE FOR CONCRETE AND ASPHALT FOR EARTH/GRAVEL DRIVES. RESIDENTIAL DRIVE 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 DRIVE TO BE CONSTRUCTED. DRIVEWAY SHALL BE CONSTRUCTED USING:
 RESIDENTIAL:
 ASPHALT- RECYCLED ASPH. CONC. 12.5 mm SUPERPAVE, GP 2 ONLY (INCL BITUM MATL AND H LIME) (220 LB/SY), 6" GRADED AGGREGATE BASE
 CONCRETE- DRIVEWAY CONCRETE, 6 IN THICK, CONC VALLEY GUTTER, 6 IN
 COMMERCIAL:
 ASPHALT- RECYCLED ASPH. CONC. 12.5 mm SUPERPAVE, GP 2 ONLY (INCL BITUM MATL AND H LIME) (220 LB/SY), RECYCLED ASPH. CONC. 19 mm SUPERPAVE, GP 1 OR 2 (INCL BITUM MATL AND H LIME) (220 LB/SY), 6" GRADED AGGREGATE BASE
 CONCRETE- DRIVEWAY CONCRETE, 8 IN THICK, CONC VALLEY GUTTER, 8 IN
16. EXISTING UTILITY INFORMATION IS BASED ON SUE SURVEY.
17. THE CONTRACTOR SHALL ENSURE THAT PEDESTRIAN ACCESS IS MAINTAINED AT ALL TIMES DURING CONSTRUCTION.
18. ALL TEMPORARY SHORING WILL BE CONSIDERED INCIDENTAL TO GRADING COMPLETE AND WILL NOT BE MEASURED FOR PAYMENT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY WHAT IS SHOWN IN THE PLANS IS FOR INFORMATIONAL PURPOSES ONLY.
19. 19-SERIES STAGING PLANS INCLUDED ARE ONLY APPLICABLE UP TO SEPTEMBER 30, 2024. ALL OTHER TRAFFIC CONTROL SPECIFICATIONS, SPECIAL CONDITIONS (SECTION 00800 OF BID MANUAL), AND MUTCD REQUIREMENTS REMAIN IN EFFECT FOR THE PROJECT AS REQUIRED.
20. CONSTRUCTION VIBRATION MONITORING IS REQUIRED FOR THE PROJECT. SEE SPECIAL PROVISION 154.



Know what's below. Call before you dig.

UTILITY OWNERS	
FACILITY	OWNER
GAS	ATLANTA GAS LIGHT
PHONE	AT&T
PHONE	T-MOBILE
FIBER	CROWN CASTLE
FIBER	SYNC GLOBAL
ELECTRIC	GEORGIA POWER DISTRIBUTION
WATER	CITY OF ATLANTA DEPT OF WATERSHED MANAGEMENT
SEWER	CITY OF ATLANTA DEPT OF WATERSHED MANAGEMENT
ELECTRIC	MARTA ELECTRIC

SIGNING AND MARKING NOTES

1. ALL STANDARD 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 STANDARD 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 SIGNS SHALL BE ERECTED AT A HEIGHT OF 7 FEET ABOVE THE NORMAL EDGE OF PAVEMENT TO THE BOTTOM OF THE SIGN OR ASSEMBLY.
5. 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).
6. SIGN ASSEMBLIES SHALL BE MOUNTED ON ALUMINUM OR GALVANIZED STEEL STRAP FRAMES. FOR DETAILS AND STRAP SPECIFICATIONS REFER TO SIGN ASSEMBLY-TYPICAL FRAMING DETAILS.
7. TYPE 9 (HIGH INTENSITY) REFLECTIVE SHEETING SHALL BE USED FOR ALL STANDARD SIGNS REQUIRING REFLECTORIZED BACKGROUNDS EXCEPT AS SPECIFIED BELOW OR SPECIFIED OTHERWISE IN THE PLANS. EITHER CLASS 1 OR CLASS 2 ADHESIVE BACKING IS PERMISSIBLE.
8. TYPE 11 (VERY HIGH INTENSITY) REFLECTIVE SHEETING SHALL BE USED FOR ALL RED SERIES SIGNS (R1-1, R1-2, R1-3A, R5-1, R5-1A).
9. 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, BICYCLE CROSSING (W11-1) SIGNS, AND PEDESTRIAN CROSSING (W11-2 AND W11A-2) SIGNS. SIGNS WITHIN THE SAME ASSEMBLY AS THE SCHOOL ZONE SIGNS SPECIFICALLY LISTED ABOVE AND ALL REGULATORY SIGNS PLACED AS PART OF THE SCHOOL ZONE SIGNING SHALL HAVE TYPE 1X (WIDE ANGLE PRISMATIC) REFLECTIVE SHEETING BACKGROUNDS OF THE APPROXIMATE COLOR.
10. TYPE 11 (VERY HIGH INTENSITY) FLUORESCENT REFLECTIVE SHEETING SHALL BE USED FOR ALL WARNING SIGNS.
11. A 1/2 INCH MINIMUM AIR SPACE SHALL BE REQUIRED BETWEEN ALL SIGN PLATES WITHIN AN ASSEMBLY.
12. WHERE SIGNS WITHIN AN ASSEMBLY EXTEND BELOW THE STANDARD MOUNTING HOLES ON THE POST(S), ADDITIONAL 3/8 INCH DIAMETER HOLE(S), DRILLED OR PUNCHED, SHALL BE REQUIRED TO PROPERLY MOUNT THE ASSEMBLY.
13. FOR DETAILS OF SPECIAL DESIGN HIGHWAY SIGNS, SEE DETAILS OR MISCELLANEOUS SIGNS.

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GENERAL NOTES

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LANDSCAPING NOTES

1. CONTRACTOR TO BE RESPONSIBLE FOR LOCATION OF UNDERGROUND UTILITIES PRIOR TO DIGGING OR INSTALLATION OF ANY PLANT MATERIAL. CALL LOCAL JURISDICTION UTILITY LOCATOR PRIOR TO COMMENCING WORK.
2. A 3" DEPTH OF "PLANTING MIX," AN EQUAL-MIX OF MINERAL TOPSOIL, AGED FINES, AND COMPOSTED COW MANURE SHALL BE ROTO-TILLED TO A DEPTH OF 6-8" IN LANDSCAPE PLANTING BEDS. SOIL MIXES APPROVED AS EQUALS MAY BE UTILIZED AT THE DISCRETION OF LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE.
3. ALL PLANTING BEDS ARE TO BE CHOCOLATE BROWN SHREDDED HARDWOOD MULCHED TO A MINIMUM DEPTH OF 3". FREE-STANDING TREES ARE TO BE MULCHED WITH A MIN. 5' DIAMETER MULCH BED, UNLESS IMPEDED BY SITE HARDSCAPES.
4. IF STAKING OR EARTHEN TREE RINGS ARE TO BE UTILIZED, THE CONTRACTOR IS RESPONSIBLE TO REMOVE WITHIN ONE YEAR OF INSTALLATION.
5. ALL PLANT MATERIALS ARE TO CONFORM TO THE LATEST EDITION OF THE AMERICAN ASSOCIATION OF NURSERYMAN STANDARDS FOR NURSERY STOCK.
6. SUBSTITUTIONS OF PLANT MATERIAL SHALL ONLY BE APPROVED BY LANDSCAPE ARCHITECT OR OWNER.
7. WHERE ON-SITE CONDITIONS DO NOT ALLOW THE PLAN TO BE INSTALLED AS DRAWN, THUS REQUIRING SIGNIFICANT ALTERATIONS TO THE PLANS, CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY.
8. CONTRACTOR IS RESPONSIBLE FOR WATERING PLANT MATERIAL UNTIL FINAL ACCEPTANCE BY OWNER.
9. LANDSCAPE CONTRACTOR IS TO GUARANTEE ALL PLANT MATERIAL FOR ONE YEAR FROM FINAL ACCEPTANCE OF OWNER. DEAD PLANTS AND PLANTS NOT MEETING MINIMUM STANDARDS AS SET FORTH IN NOTE *5 SHALL BE REPLACED BY CONTRACTOR AT THE EARLIEST TIME SEASONABLE AND PRACTICAL TO PLANT.
10. BURLAP IS TO BE PULLED BACK TO EXPOSE TOP OF ROOTBALL AND THE TOPS OF WIRE BASKETS ARE TO BE CUT OR BENT BACK INTO PLANTING HOLE.
11. TOPS OF ROOTBALLS FOR TREES ARE TO BE PLANTED APPROXIMATELY ONE INCH ABOVE SURROUNDING GRADE.
12. PLANTING HOLES FOR TREES AND SHRUBS NOT IN PLANTING BEDS SHOULD BE APPROXIMATELY TWICE THE DIAMETER OF THE ROOTBALL.
13. BACKFILL MIX SHALL BE A 50-50 MIX OF SUITABLE EXISTING SOIL, AND PLANTING MIX SPECIFIED IN NOTE *2. EXISTING SOIL IS TO BE FREE FROM DELETERIOUS MATERIALS AND STONES GREATER THAN 2" DIAMETER.
14. ALL DISTURBED AREAS IN THE PROJECT TO BE SODDED TO MATCH THE NEAREST ADJACENT TURF AREA UNLESS OTHERWISE SPECIFIED.

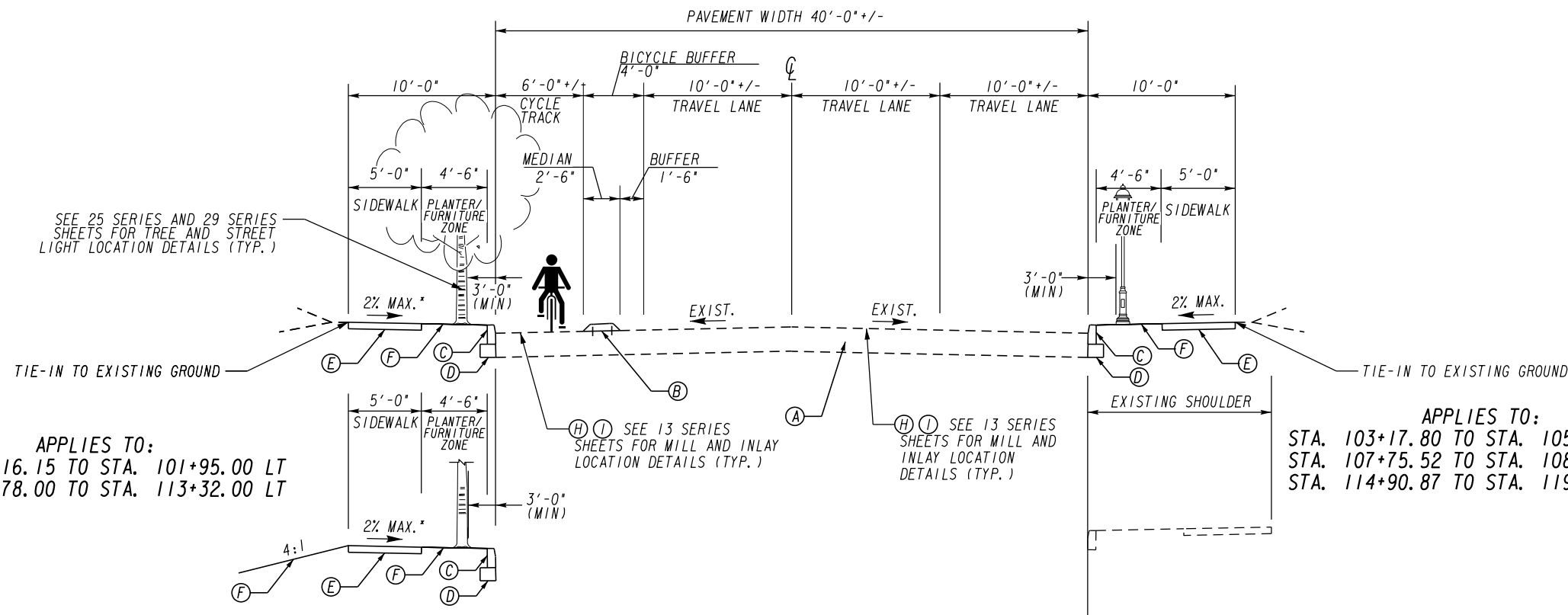


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APPLIES TO:
 STA. 101+16.15 TO STA. 101+95.00 LT
 STA. 112+78.00 TO STA. 113+32.00 LT

APPLIES TO:
 STA. 103+17.80 TO STA. 105+88.00 RT
 STA. 107+75.52 TO STA. 108+85.81 RT
 STA. 114+90.87 TO STA. 119+28.39 RT

APPLIES TO:
 STA. 103+25.00 TO STA. 105+50.00 LT

TYPICAL SECTION-01
 SPRING STREET
 STA. 99+65.00 TO STA. 120+60.00

APPLIES TO:
 STA. 101+87.50 TO STA. 102+51.55 RT
 STA. 106+20.32 TO STA. 107+75.52 RT
 STA. 112+50.99 TO STA. 113+25.00 RT

APPLIES TO:
 STA. 109+82.64 TO STA. 112+30.00 LT

APPLIES TO:
 STA. 116+87.00 TO STA. 118+69.00 LT

REQUIRED PAVEMENT

- (A) EXISTING PAVEMENT (TO BE RETAINED)
- (B) 6" CONCRETE MEDIAN WITH TP 7 CURB FACE (DOMELED) (PER GA STD 9032B)
- (C) GRANITE HEADER CURB, 4" EXPOSED CURB FACE
- (D) GR AGGR BASE CRS INCL MATL, 6"
- (E) 4" CONC SIDEWALK
- (F) SOD/LANDSCAPING
- (G) CONCRETE HEADER CURB, TP 2
- (H) RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME (220 LB/SY)
- (I) MILL ASPH CONC PVMT, 2 IN DEPTH
- (J) EXISTING PAVEMENT STRUCTURE (TO BE RETAINED)
- (K) EXISTING CURB AND GUTTER TO REMAIN
- (L) CONCRETE HEADER CURB, TP 7
- (M) CONCRETE CURB AND GUTTER, 8"x30", TP 2

* SEE PLAN SHEETS FOR SIDEWALK GRADING INFORMATION
 ** SEE PLAN SHEETS FOR BUFFER MEDIAN LOCATIONS

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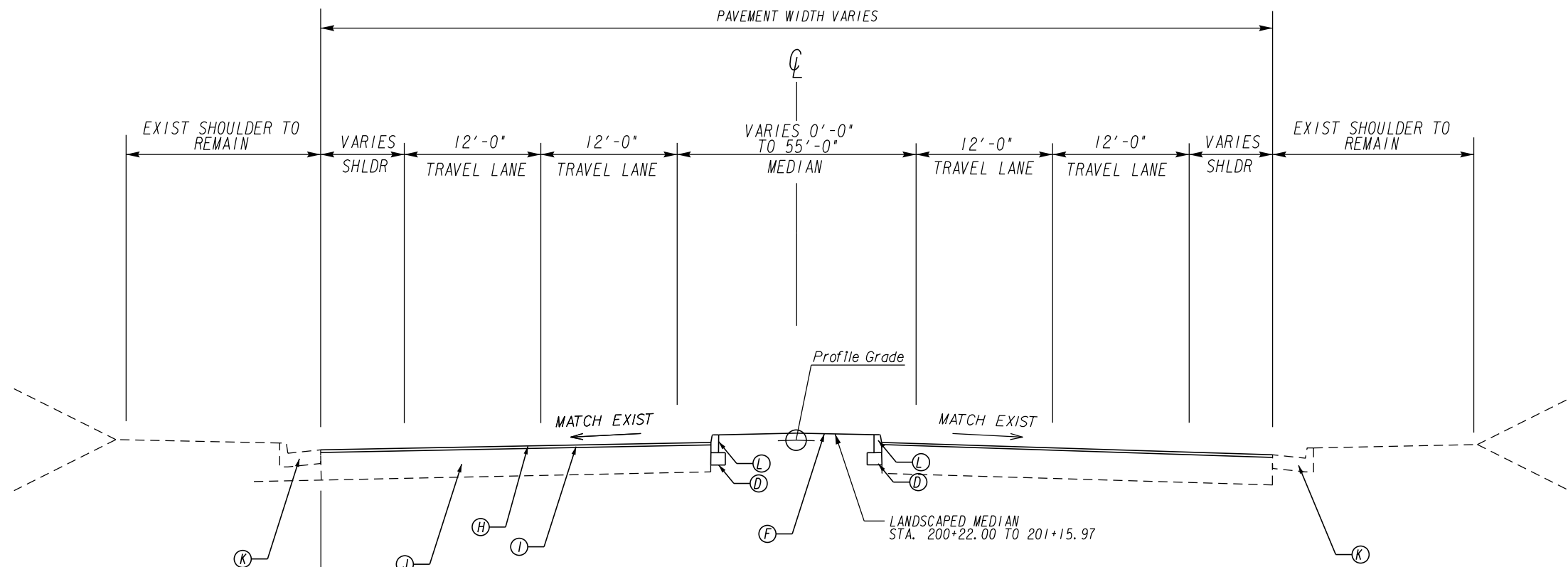
NOT TO SCALE

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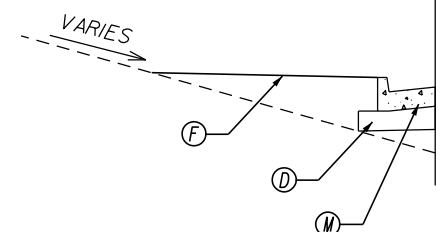
TYPICAL SECTIONS

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APPLIES TO:
STA. 200+20.07 TO STA. 201+42.19 LT

TYPICAL SECTION-02
BUFORD SPRING CONNECTOR
STA. 200+20.07 TO STA. 202+30.00



REQUIRED PAVEMENT

- (A) EXISTING PAVEMENT (TO BE RETAINED)
- (B) 6" CONCRETE MEDIAN WITH TP 7 CURB FACE (DOWELED) (PER GA STD 9032B)
- (C) GRANITE HEADER CURB, 4" EXPOSED CURB FACE
- (D) GR AGGR BASE CRS INCL MATL, 6"
- (E) 4" CONC SIDEWALK
- (F) SOD/LANDSCAPING
- (G) CONCRETE HEADER CURB, TP 2
- (H) RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME (220 LB/SY)
- (I) MILL ASPH CONC PAVT, 2 IN DEPTH
- (J) EXISTING PAVEMENT STRUCTURE (TO BE RETAINED)
- (K) EXISTING CURB AND GUTTER TO REMAIN
- (L) CONCRETE HEADER CURB, TP 7
- (M) CONCRETE CURB AND GUTTER, 8"x30", TP 2

* SEE PLAN SHEETS FOR SIDEWALK GRADING INFORMATION
** SEE PLAN SHEETS FOR BUFFER MEDIAN LOCATIONS

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NOT TO SCALE

REVISION DATES

NO.	DATE	DESCRIPTION

TYPICAL SECTIONS

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

SUMMARY OF QUANTITIES

TRAFFIC CONTROL
LUMP SUM

GRADING COMPLETE
LUMP SUM

EXCAVATION - ROCK
TOTAL 358 CY

CONC SIDEWALK, 4 IN
TOTAL 1067 SY

CONC SIDEWALK, 8 IN
TOTAL 468 SY

CONCRETE MEDIAN, 6 IN
TOTAL 429 SY

PLAIN PC CONC PVMT, CL 3 CONC, 10 INCH THK
TOTAL 274 SY

STRAIGHT GRANITE HEADER CURB, 5 IN X 17 IN, TP A
TOTAL 2620 LF

CIRCULAR GRANITE HEADER CURB, 5 IN X 17 IN, TP A
TOTAL 380 LF

CONCRETE HEADER CURB, 6 IN, TP 2
TOTAL 201 LF

CONCRETE HEADER CURB, 6 IN, TP 7
TOTAL 271 LF

CONCRETE HEADER CURB, 4 IN, TP 1
TOTAL 119 LF

CONCRETE HEADER CURB, 2 IN, MOUNTABLE
TOTAL 286 LF

CONCRETE CURB & GUTTER, 8 IN X 30 IN, TP 2
TOTAL 342 LF

SAWED JOINTS IN EXIST PAVEMENTS - PCC
TOTAL 745 LF

LIGHTING ITEMS			
500-3101	CLASS A CONCRETE	6	CY
511-1000	BAR REINF STEEL	900	LB
682-6222	CONDUIT, NONMETL, TP 2, 2 IN	4390	LF
682-9021	ELECTRICAL JUNCTION BOX, CONC GROUND MOUNTED	28	EA
681-8525	ELECTRICAL POWER SERVICE ASSEMBLY (UNDERGROUND SERVICE POINT)	1	EA
682-8995	POWER SERVICE CABINET	1	EA
682-9950	DIRECTIONAL BORE	440	LF
682-9020	HANDHOLE	11	EA

K71 BOLLARDS
TOTAL 4 EA

CONSTRUCTION VIBRATION MONITORING
LUMP SUM

PAVING QUANTITIES		TOTAL
ITEM	UNIT	
GRADED AGGR BASE CRS, 6 IN, INCL MATL	SY	597
GRADED AGGR BASE CRS, 8 IN, INCL MATL	SY	274
RECYC 1.5" ASP CONC 12.5MM SPRPAVE GP2 INC BM & HL	TN	310
BITUM. TACK COAT	GL	155
CONC VALLEY GUTTER, 8 IN	SY	110
MILL ASPH CONC PVMT, 2 IN DEPTH	SY	2260
CLASS B CONC, BASE OR PVMT WIDENING	CY	124

DRIVEWAY QUANTITIES (FOR INFORMATION ONLY)					
LOCATION	TYPE	CLASS	WIDTH	CONCR VALLEY GUTTER, 8 IN SY	DRIVEWAY CONCR, 8 IN SY
STA. 101+74 RT	CONC	COMMERCIAL	13	12	17
STA. 102+09 LT	CONC	COMMERCIAL	15	9	20
STA. 102+64 RT	CONC	COMMERCIAL	10	10	16
STA. 103+06 RT	CONC	COMMERCIAL	10	10	16
STA. 112+37 RT	CONC	COMMERCIAL	14	12	19
STA. 113+92 LT	CONC	COMMERCIAL	24	16	25
STA. 115+55 LT	CONC	COMMERCIAL	24	16	25
STA. 116+62 LT	CONC	COMMERCIAL	24	16	25
AS DIRECTED				9	17
TOTAL				110	180



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REVISION DATES

SUMMARY QUANTITIES

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

SUMMARY OF QUANTITIES

DIAMOND PLATE FLUME		
TOTAL	5	EA

COA STORMWATER PLANTER		
TOTAL	3	EA

ADJUST MANHOLE TO GRADE		
TOTAL	1	EA

ADJUST WATER METER BOX TO GRADE		
TOTAL	13	EA

ADJUST SEWER CLEANOUTS TO GRADE		
TOTAL	1	EA

ADJUST WATER VALVE BOX TO GRADE		
TOTAL	7	EA

Structure Number	Location	ALLOWABLE PIPE MATERIALS			Drop Inlets				Catch Basins			
		FEET	FEET	FEET	COMBINATION INLET, GA STD 1019A-TYPE E		DROP INLET, GA STD 9031S		CATCHBASIN, GA STD. 1033 B		CATCH BASIN, GA STD, 1034 D	
		STORM DRAIN	STORM DRAIN	STORM DRAIN	1.8m OR LESS	ADD DEPTH	1.8m OR LESS	ADD DEPTH	1.8m OR LESS	ADD DEPTH	1.8m OR LESS	ADD DEPTH
		15"	18"	24"	EA	LF	EA	LF	EA	LF	EA	LF
Pay Item		550-1150	550-1180	550-1240	668-2100	668-2110	668-2100	668-2110	668-1100	668-1110	668-1100	668-1110
CB 1-1	111+55.81, 19.48' LT		128.04		1							
CB 1-2	114+27.09, 19.75' RT		61.71		1							
CB 1-6	112+83.85, 19.50' LT		51.00		1	0.29						
CB 1-7	113+61.11, 58.99 LT						1	1.8				
CB 1-7A	113.28.91, 56.33 LT			13.07							1	0.98
CB 1-9	115+15.52, 19.51 LT								1			
CB 1-10	115+79.43, 19.50 LT		63.92		1							
CB 1-11	116+96.33, 19.51 LT	116.89			1							
CB 2-3	101.42.47, 19.53 LT	78.75			1							
CB 2-4	103+50.00, 19.52 LT	207.53			1							
CB 2-5	106+18.82, 19.51 LT	268.82			1							
CB 2-6	108+02.05, 19.50 LT	183.23			1							
Total		856	305	14	9	1	1	2	1	0	1	1

*NOTE: ALL PIPE SHALL BE REINFORCED CONCRETE PIPE



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SUMMARY QUANTITIES

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CORRECTED:		DATE:		
VERIFIED:		DATE:		

SUMMARY OF QUANTITIES

THERMOPLASTIC PAVEMENT MARKING ARROW, TP 1
TOTAL 23 EA

THERMOPLASTIC PAVEMENT MARKING ARROW, TP 2
TOTAL 7 EA

THERMOPLASTIC PAVEMENT MARKING WORD, TP 1
TOTAL 8 EA

THERMOPLASTIC PAVEMENT MARKING SYMBOL, TP 4
TOTAL 22 EA

THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE
TOTAL 2510 LF

THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW
TOTAL 49 LF

THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE
TOTAL 290 LF

THERMOPLASTIC SOLID TRAF STRIPE, 8 IN, WHITE
TOTAL 3450 LF

THERMOPLASTIC SOLID TRAF STRIPE, 6 IN, WHITE
TOTAL 120 LF

THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, WHITE
TOTAL 1505 GLF

GREEN COLOR-SAFE PAVEMENT MARKING W/ ANTI-SKID SURFACING
TOTAL 250 SY

THERMOPLASTIC TRAFFIC STRIPIING, WHITE
TOTAL 1160 LF

RAISED PVMT MARKERS TP 3
TOTAL 217 EA

TRAFFIC SIGNAL INSTALLATION NO. 1 - 17TH STREET
LUMP SUM

TRAFFIC SIGNAL INSTALLATION NO. 2 - 18TH STREET
LUMP SUM

TRAFFIC SIGNAL INSTALLATION NO. 3 - BUFORD SPRING CONNECTOR
LUMP SUM

TRAFFIC SIGNAL INSTALLATION NO. 4 - PEACHTREE
LUMP SUM

DIRECTIONAL BORE 3'
TOTAL 630 LF

DIRECTIONAL BORE 5'
TOTAL 325 LF

DIRECTIONAL BORE 7'
TOTAL 170 LF

STEEL STRAIN POLE, TP IV, WITH 60' MAST ARM
TOTAL 1 EA

STEEL STRAIN POLE, TP IV, WITH 40' MAST ARM
TOTAL 1 EA

STEEL STRAIN POLE, TP IV, WITH 55' MAST ARM
TOTAL 1 EA

STEEL STRAIN POLE, TP IV, WITH 45' AND 45' MAST ARMS
TOTAL 1 EA

PULL BOX, PB-4S
TOTAL 1 EA

SUMMARY OF QUANTITIES - STANDARD SIGNS

STATION	INSTL NO.	SIGN CODE	TP 1 MATL, REFL SHEETING TP 9			TP 1 MATL, REFL SHEETING TP 11			POST TYPE 7			POST TYPE 8			RESET
			SIZE	QUANTITY	SQUARE FEET	SIZE	QUANTITY	SQUARE FEET	LENGTH (FEET)	QUANTITY	TOTAL LENGTH	LENGTH (FEET)	QUANTITY	TOTAL LENGTH	EA
101+44	1	R5-1				36X36	1	9	13	1	13				
101+47	2	R3-17	24X18	1	3				12.5	1	12.5				
101+47		R3-17b	24X8	1	2										
101+49	3	R5-1				36X36	1	9	13	1	13				
102+57	4	M3-3	24X12	1	2				15	2	30				
		M1-4	24X24	1	4										
		M1-5	24X24	1	4										
104+84	5	R2-1	24X30	1	5				14	1	14				
	6	R7-201B	12X18	1	1.5										
106+02	7	R6-2R	30X36	1	7.5				13	1	13				
106+11	8	R6-2L	30X36	1	7.5				13	1	13				
109+99	9	R6-2R	30X36	1	7.5				13	1	13				
111+36	10	R1-1				36X36	1	9	14.5	1	14.5				
		R7-201B	12X18	1	1.5										
111+43	11	R6-2L	30X36	1	7.5				13	1	13				
111+80	12	R2-1	24X30	1	5				12.5	1	12.5				
112+70	13	R2-1	24X30	1	5				12.5	1	12.5				
114+62	14	R6-2L	30X36	1	7.5				13	1	13				
115+74	15	R6-2L	30X36	1	7.5				13	1	13				
116+90	16	R6-2L	30X36	1	7.5				16	2	32				
		R6-2R	30X36	1	7.5										
117+75	17	R2-1	24X30	1	5				12.5	1	12.5				
117+75	18	R2-1	24X30	1	5				12.5	1	12.5				
118+24	19	M3-3	24X12	1	2				15	2	30				
		M1-4	24X24	1	4										
		M1-5	24X24	1	4										
119+69	20	R10-6	24X36	1	6				13	1	13				
200+27	21	R5-1				36X36	1	9	15.5	2	31				
200+35	22	R6-2L	30X36	1	7.5				13	1	13				
200+50	23	R5-1				36X36	1	9	15.5	2	31				
AS DIRECTED					0			0			0			0	
TOTAL BASE BID					127			45			375			0	0



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SUMMARY QUANTITIES

CHECKED:	DATE:	DRAWING No.
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CORRECTED:	DATE:	
VERIFIED:	DATE:	

SUMMARY OF QUANTITIES

CONCRETE PAVERS		
TOTAL	119	SY

BOXLEAF EUONYMUS		
TOTAL	166	EA

MEXICAN FEATHER GRASS		
TOTAL	180	EA

CINNAMON GIRL DISTYLIUM		
TOTAL	69	EA

PURPLE DAYDREAM DWARF LOROPETALUM		
TOTAL	35	EA

LIRIOPE GRASS		
TOTAL	16304	EA

SHUMARD OAK		
TOTAL	27	EA

CREPE MYRTLE		
TOTAL	7	EA

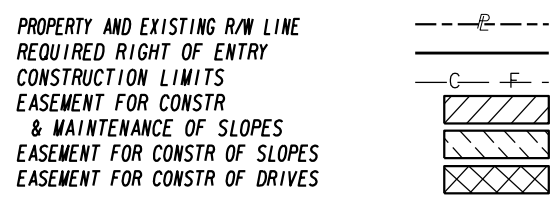
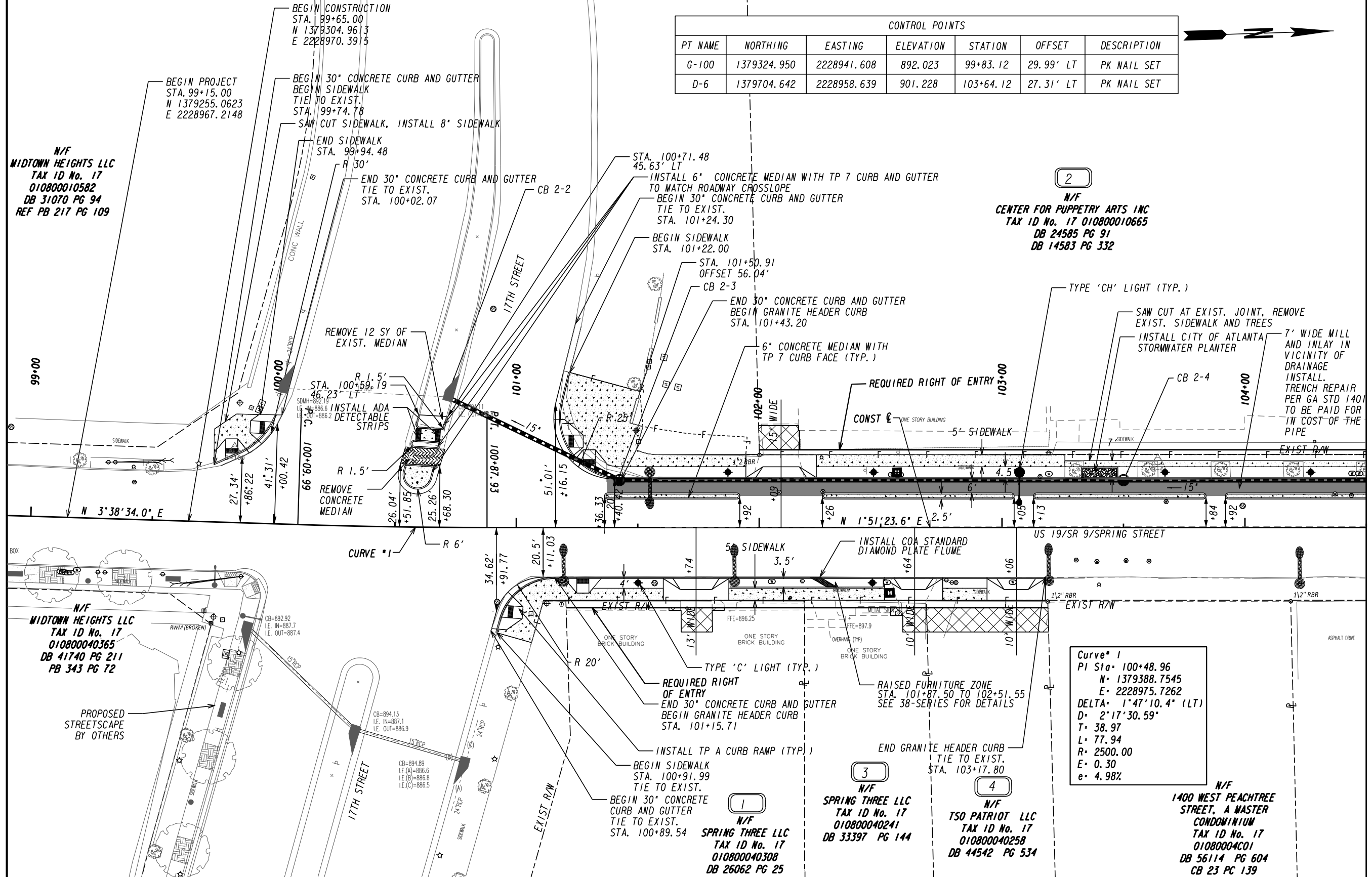
LANDSCAPE MULCH		
TOTAL	974	SY

PLANT TOP SOIL		
TOTAL	179	CY

SOD - BERMUDA GRASS		
TOTAL	445	SY

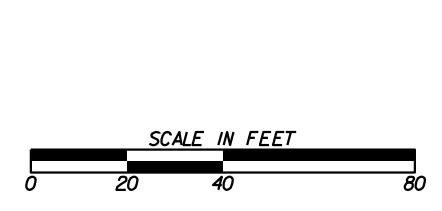
EROSION CONTROL		
ITEM	UNIT	TOTAL
CONSTRUCT AND REMOVE INLET SEDIMENT TRAPS	EA	17
MAINTENANCE OF INLET SEDIMENT TRAPS	EA	17
CONSTRUCT AND REMOVE COMPOST FILTER SOCK, 18 IN	LF	5200
MAINTENANCE OF COMPOST FILTER SOCK (ALL SIZES)	LF	2600
CONSTRUCTION EXIT (AS NEEDED)	EA	1
MAINTENANCE OF CONSTRUCTION EXIT (AS NEEDED)	EA	1
MULCH (AS NEEDED)	TN	6
TEMPORARY SILT FENCE, TP C	LF	504
MAINTENANCE OF TEMPORARY SILT FENCE, TP C	LF	252
TEMPORARY GRASSING	AC	1
PERMANENT GRASSING	AC	1
AGRICULTURAL LIME	TN	1
FERTILIZER MIXED GRADE	TN	1
FERTILIZER NITROGEN CONTENT	LB	5

CONTROL POINTS						
PT NAME	NORTHING	EASTING	ELEVATION	STATION	OFFSET	DESCRIPTION
G-100	1379324.950	2228941.608	892.023	99+83.12	29.99' LT	PK NAIL SET
D-6	1379704.642	2228958.639	901.228	103+64.12	27.31' LT	PK NAIL SET



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

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REVISION DATES	

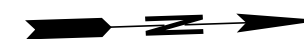
CONSTRUCTION PLAN
 Spring Street Bike and Pedestrian Improvements

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

DRAWING No. 13-0002
MATCH LINE STA. 104+50

N/F
CENTER FOR PUPPETRY ARTS INC
 TAX ID No. 17 010800010665
 DB 24585 PG 91
 DB 14583 PG 332

CONTROL POINTS						
PT NAME	NORTHING	EASTING	ELEVATION	STATION	OFFSET	DESCRIPTION
D-5	1379907.302	2228962.633	907.113	105+66.81	29.89' LT	PK NAIL SET
D-4	1380188.147	2228973.982	914.423	108+47.87	27.64' LT	PK NAIL SET

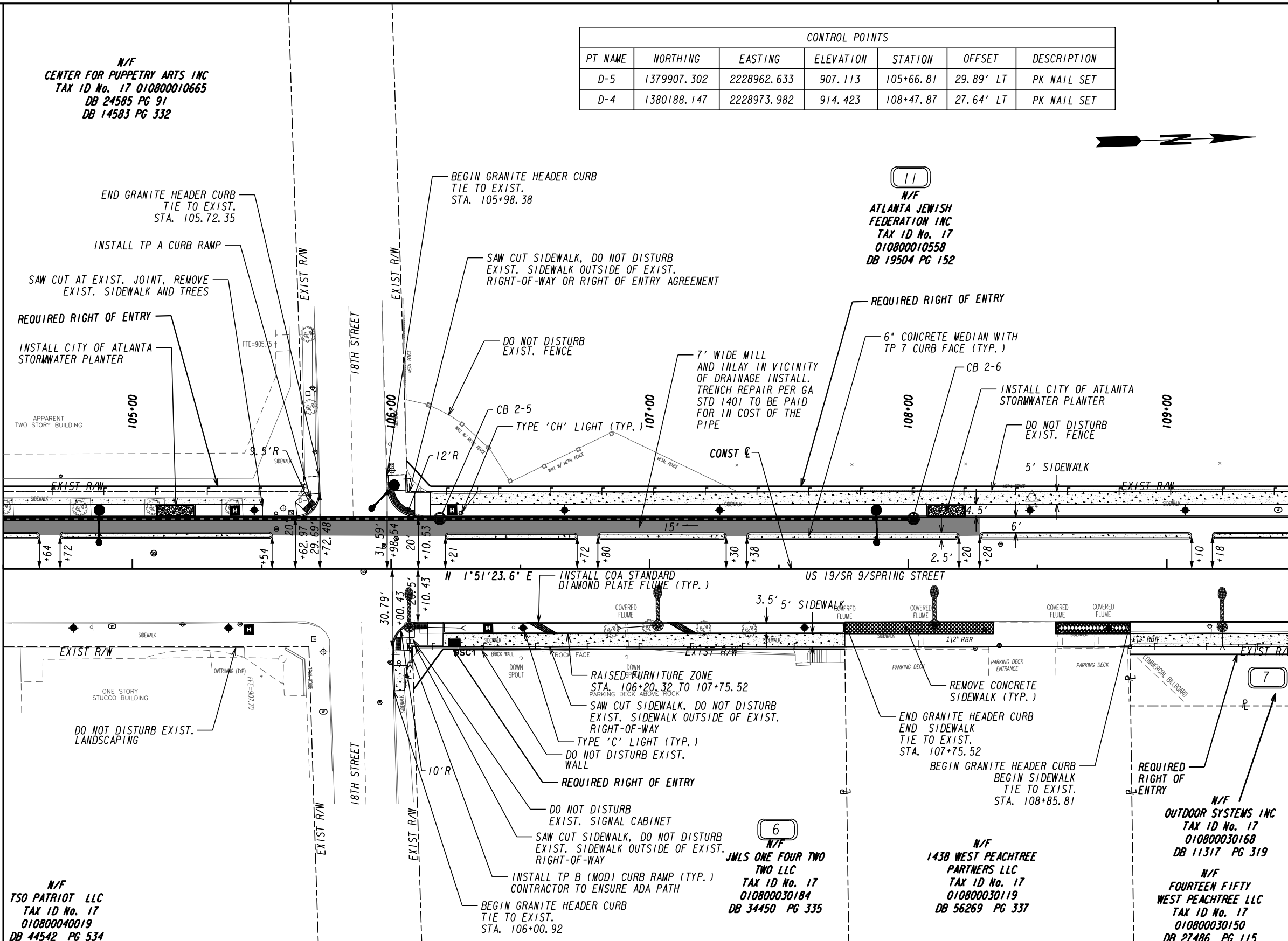


DRAWING No. 13-0001

MATCH LINE STA. 104+50

DRAWING No. 13-0003

MATCH LINE STA. 109+50



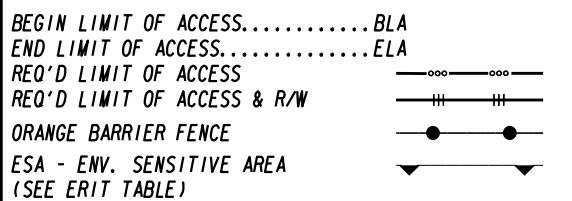
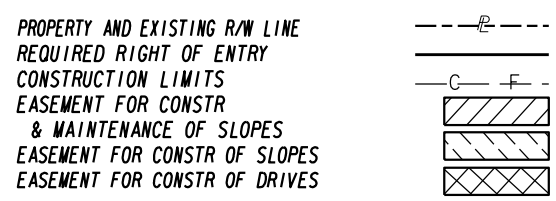
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TSO PATRIOT LLC
 TAX ID No. 17 010800040019
 DB 44542 PG 534

N/F
JMLS ONE FOUR TWO TWO LLC
 TAX ID No. 17 010800030184
 DB 34450 PG 335

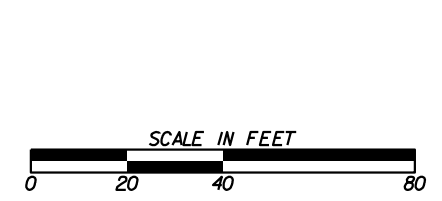
N/F
1438 WEST PEACHTREE PARTNERS LLC
 TAX ID No. 17 010800030119
 DB 56269 PG 337

N/F
OUTDOOR SYSTEMS INC
 TAX ID No. 17 010800030168
 DB 11317 PG 319

N/F
FOURTEEN FIFTY WEST PEACHTREE LLC
 TAX ID No. 17 010800030150
 DB 27486 PG 115



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REVISION DATES	

CONSTRUCTION PLAN
 Spring Street Bike and Pedestrian Improvements

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

CONTROL POINTS						
PT NAME	NORTHING	EASTING	ELEVATION	STATION	OFFSET	DESCRIPTION
D-3	1380437.326	2228986.668	917.602	110+97.33	23.03' LT	PK NAIL SET
D-2	1380746.026	2228983.267	920.921	114+05.76	36.44' LT	1/2" REBAR W/ CAP

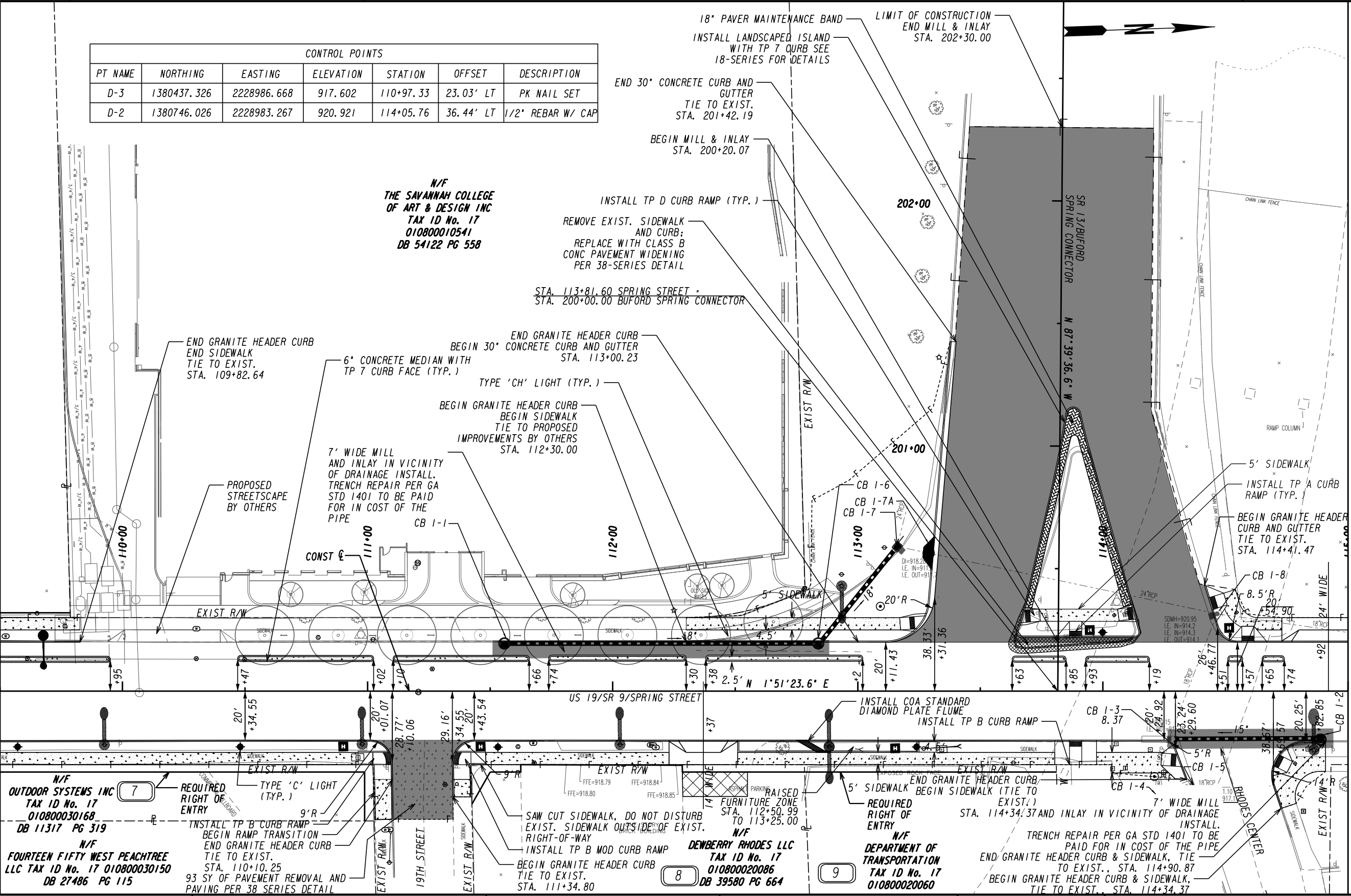
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**THE SAVANNAH COLLEGE
 OF ART & DESIGN INC**
 TAX ID No. 17
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 DB 54122 PG 558

DRAWING No. 13-0002

MATCH LINE STA. 109+50

DRAWING No. 13-0004

MATCH LINE STA. 115+00

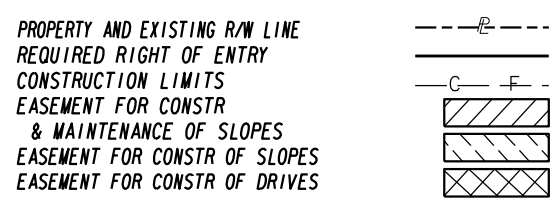


N/F
OUTDOOR SYSTEMS INC
 TAX ID No. 17
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 DB 11317 PG 319

N/F
**FOURTEEN FIFTY WEST PEACHTREE
 LLC TAX ID No. 17 010800030150**
 DB 27486 PG 115

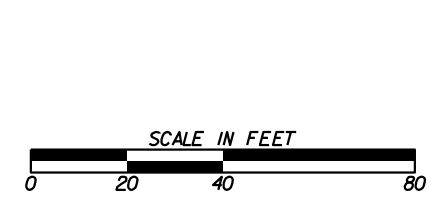
N/F
DEWBERRY RHODES LLC
 TAX ID No. 17
 010800020086
 DB 39580 PG 664

N/F
**DEPARTMENT OF
 TRANSPORTATION**
 TAX ID No. 17
 010800020060



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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REVISION DATES	

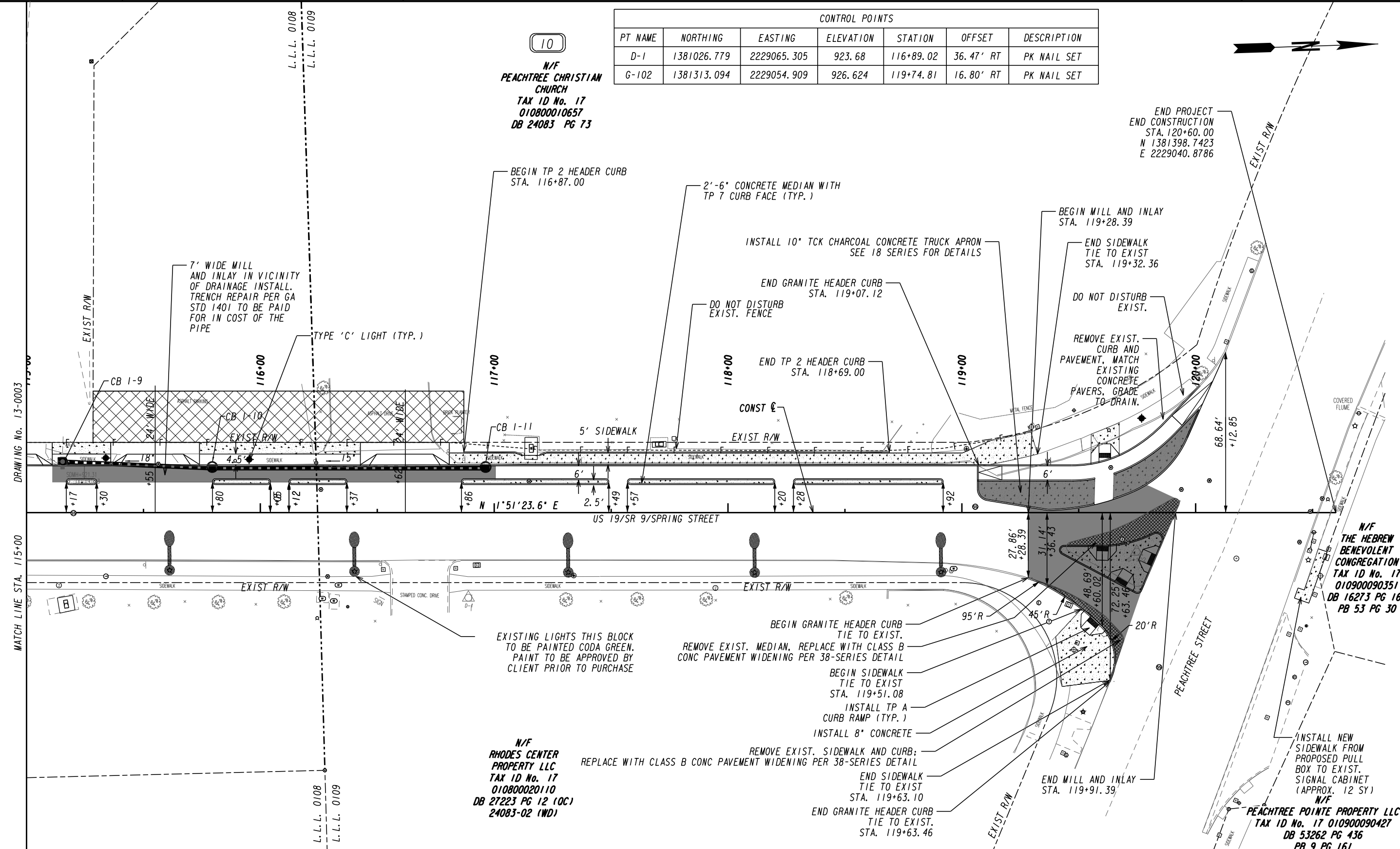
CONSTRUCTION PLAN
 Spring Street Bike and
 Pedestrian Improvements

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

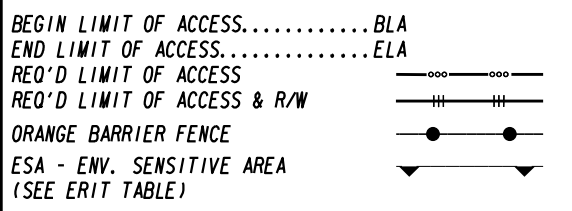
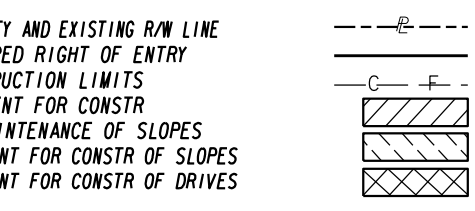
CONTROL POINTS						
PT NAME	NORTHING	EASTING	ELEVATION	STATION	OFFSET	DESCRIPTION
D-1	1381026.779	2229065.305	923.68	116+89.02	36.47' RT	PK NAIL SET
G-102	1381313.094	2229054.909	926.624	119+74.81	16.80' RT	PK NAIL SET

10
N/F
PEACHTREE CHRISTIAN
CHURCH
TAX ID No. 17
010800010657
DB 24083 PG 73

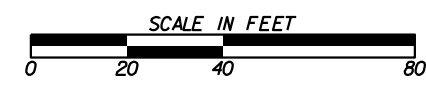
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END CONSTRUCTION
STA. 120+60.00
N 1381398.7423
E 2229040.8786



DRAWING No. 13-0003
MATCH LINE STA. 115+00



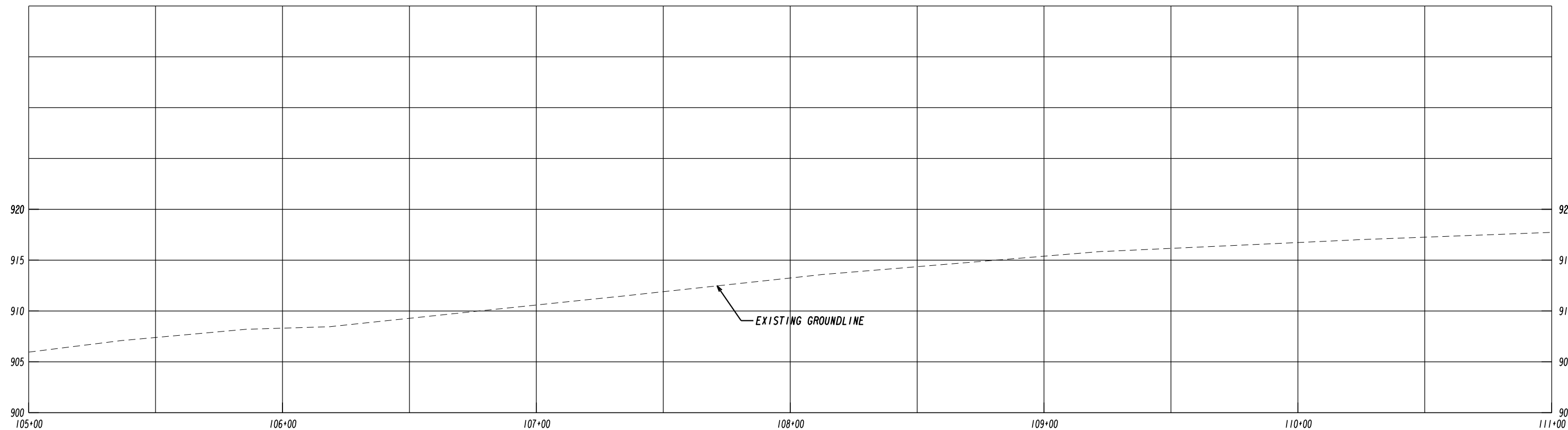
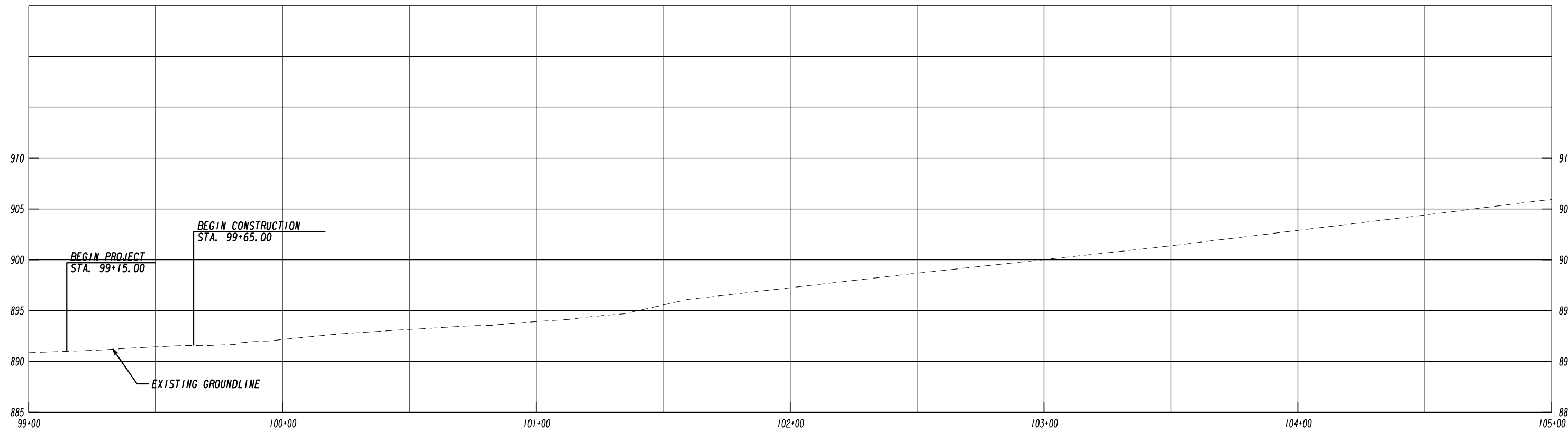
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REVISION DATES	

CONSTRUCTION PLAN
Spring Street Bike and Pedestrian Improvements

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SCALE: 1" = 20' HORIZ.
1" = 5' VERT.

REVISION DATES

NO.	DATE	DESCRIPTION

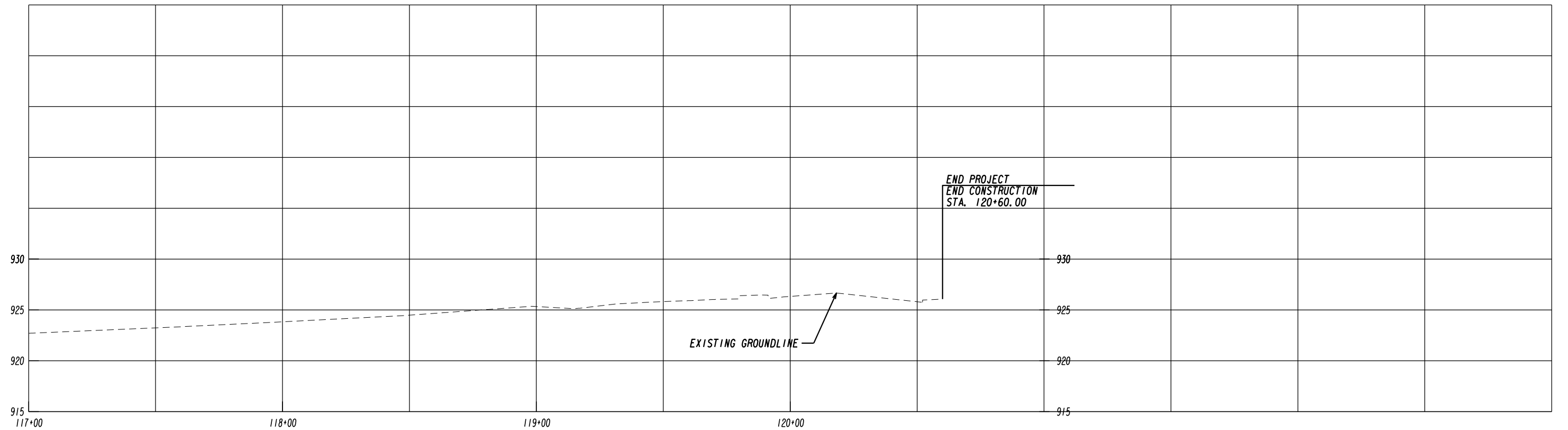
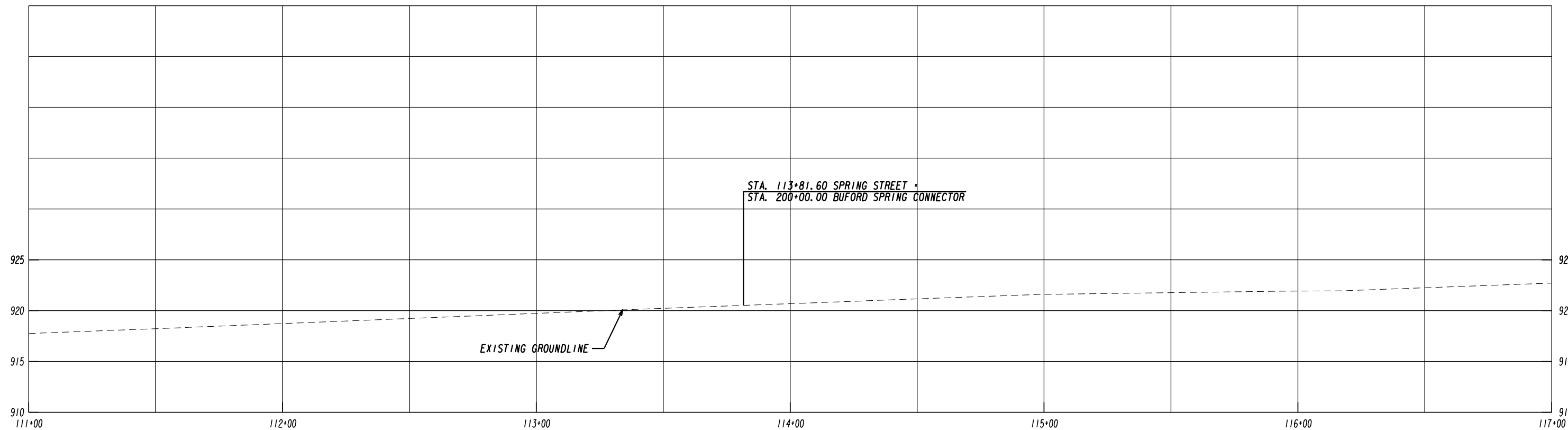
MAINLINE PROFILE

US 19/SR 9/SPRING STREET

CHECKED:	DATE:
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VERIFIED:	DATE:

DRAWING No.

15-0001



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SCALE: 1" = 20' HORIZ.
1" = 5' VERT.

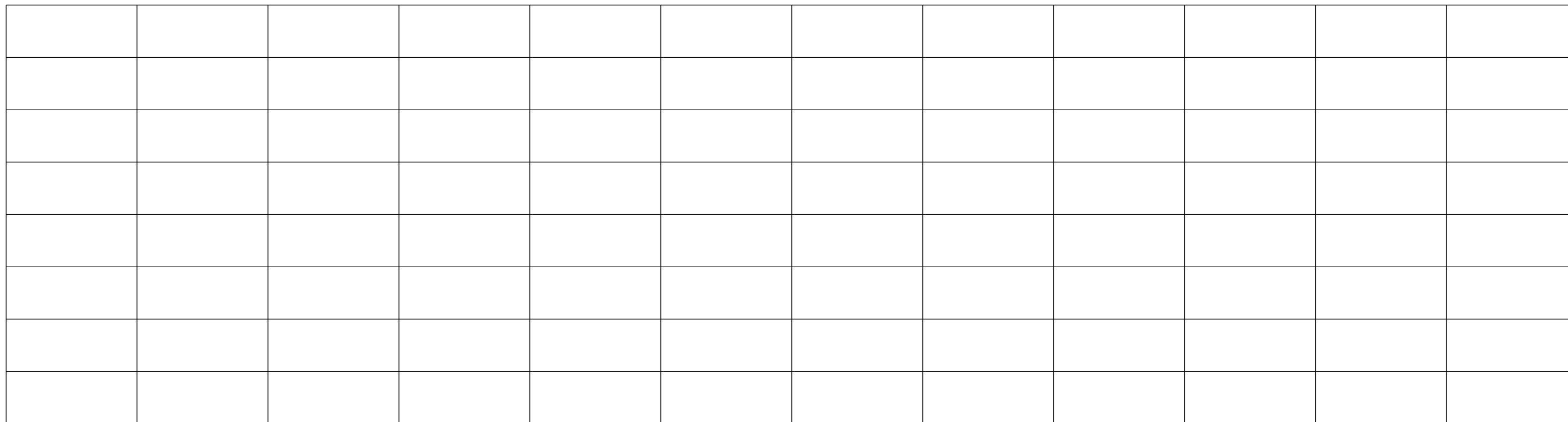
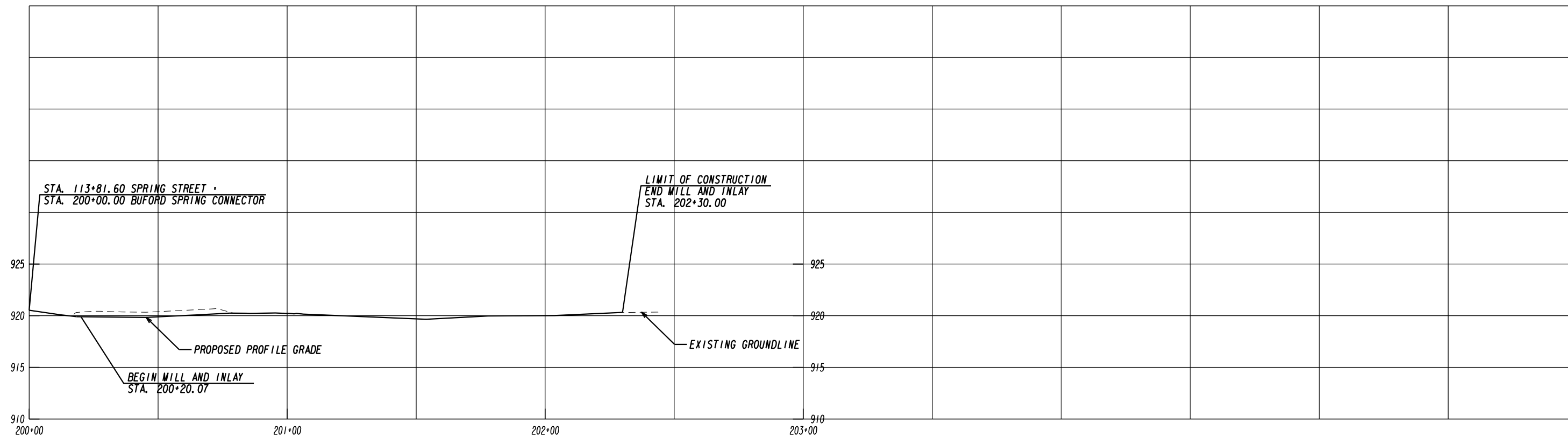
REVISION DATES

NO.	DATE	DESCRIPTION

MAINLINE PROFILE

US 19/SR 9/SPRING STREET

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



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SCALE: 1" = 20' HORIZ.
1" = 5' VERT.

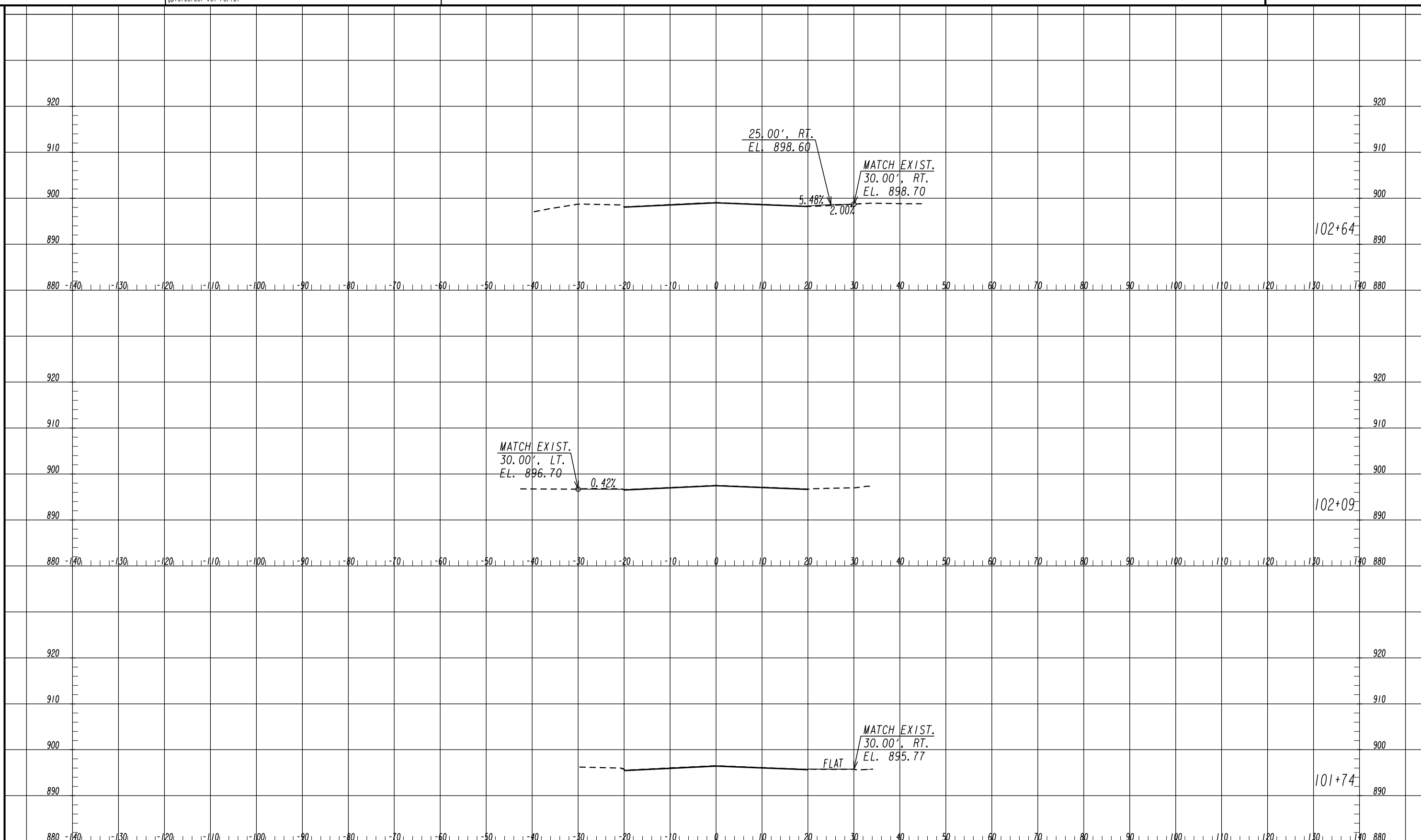
REVISION DATES

CHECKED:	DATE:

CROSSROAD PROFILE

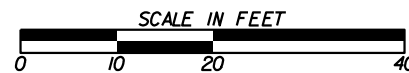
SR 13/BUFORD SPRING CONNECTOR

CHECKED:	DATE:	DRAWING No.
		16-0001



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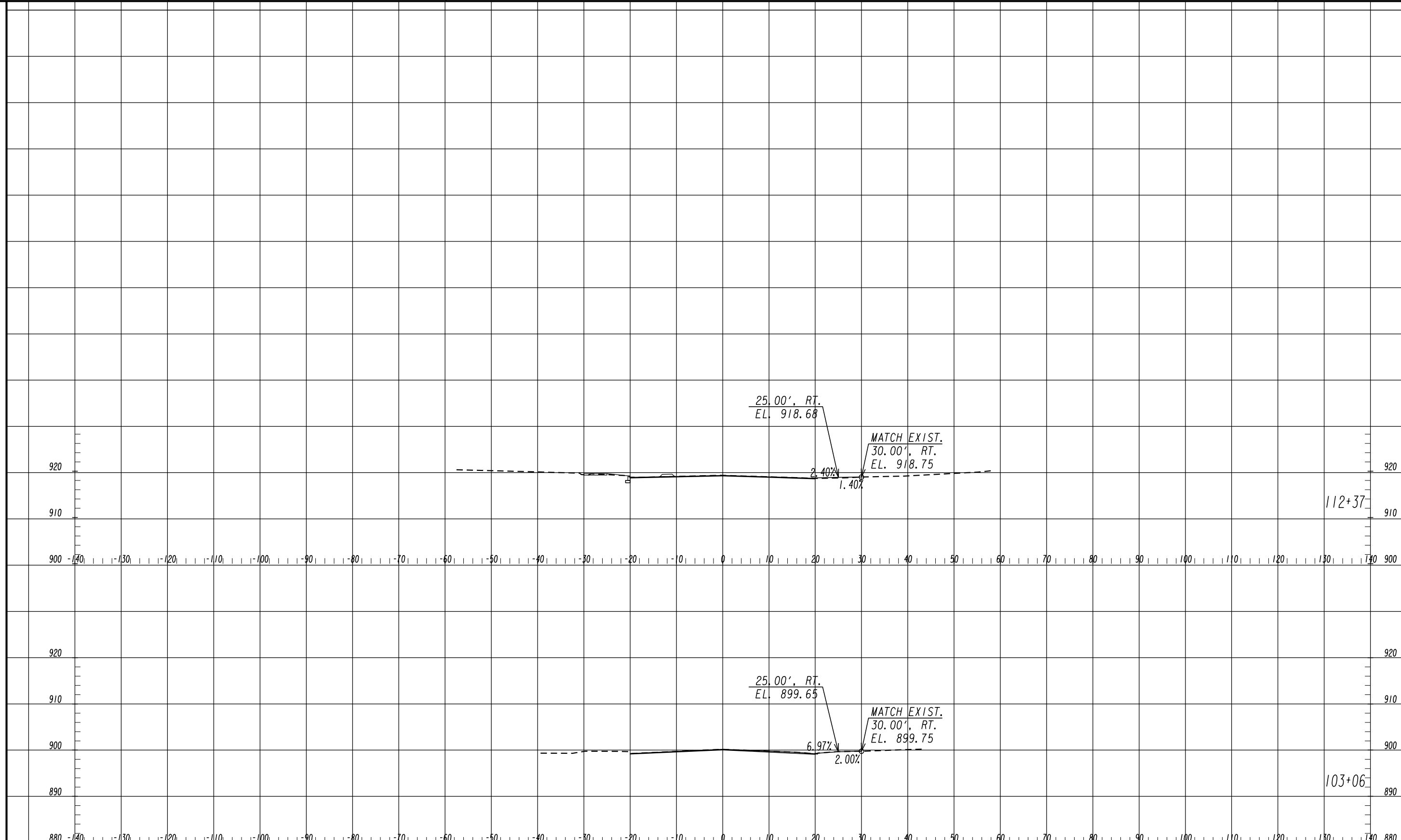


REVISION DATES

NO.	DATE	DESCRIPTION

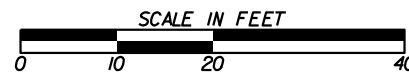
DRIVEWAY PROFILES

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	17-0001
CORRECTED:	DATE:	
VERIFIED:	DATE:	



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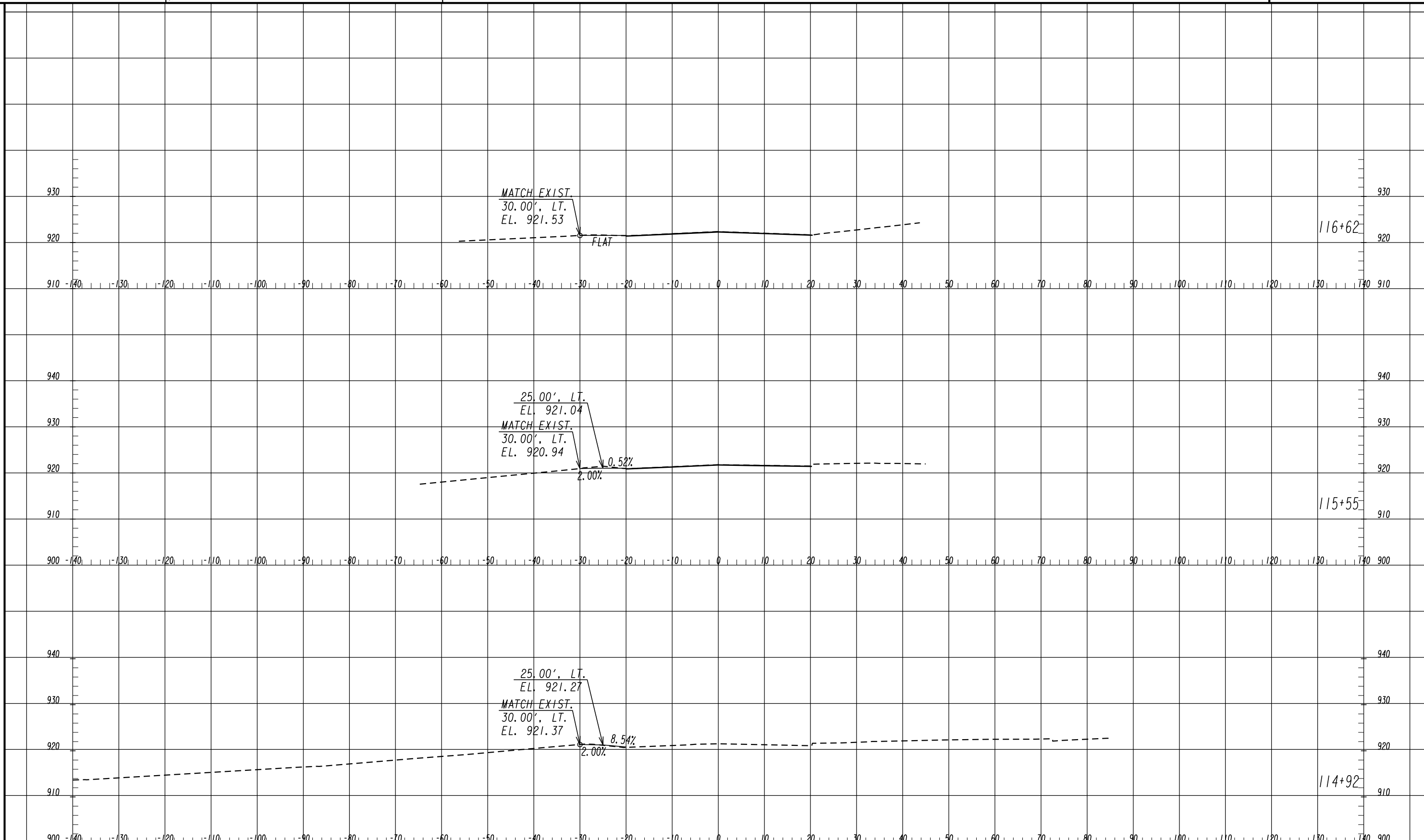


REVISION DATES

No.	Date	Description

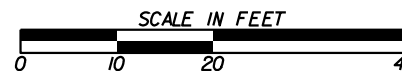
DRIVEWAY PROFILES

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	17-0002
CORRECTED:	DATE:	
VERIFIED:	DATE:	



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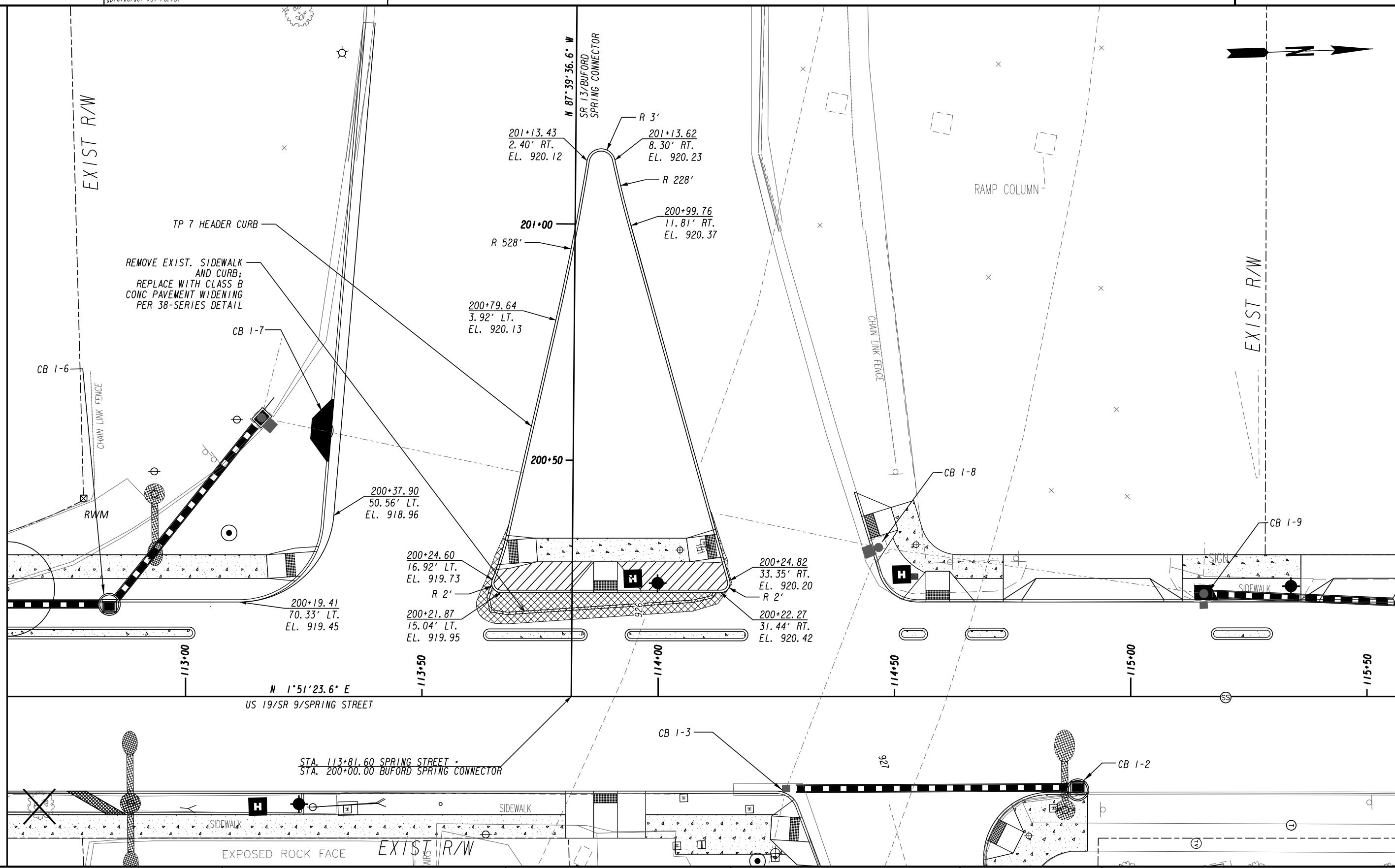


REVISION DATES

NO.	DATE	DESCRIPTION

DRIVEWAY PROFILES

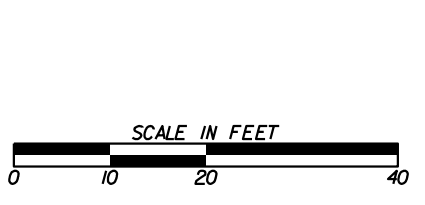
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BACKCHECKED:	DATE:	17-0003
CORRECTED:	DATE:	
VERIFIED:	DATE:	



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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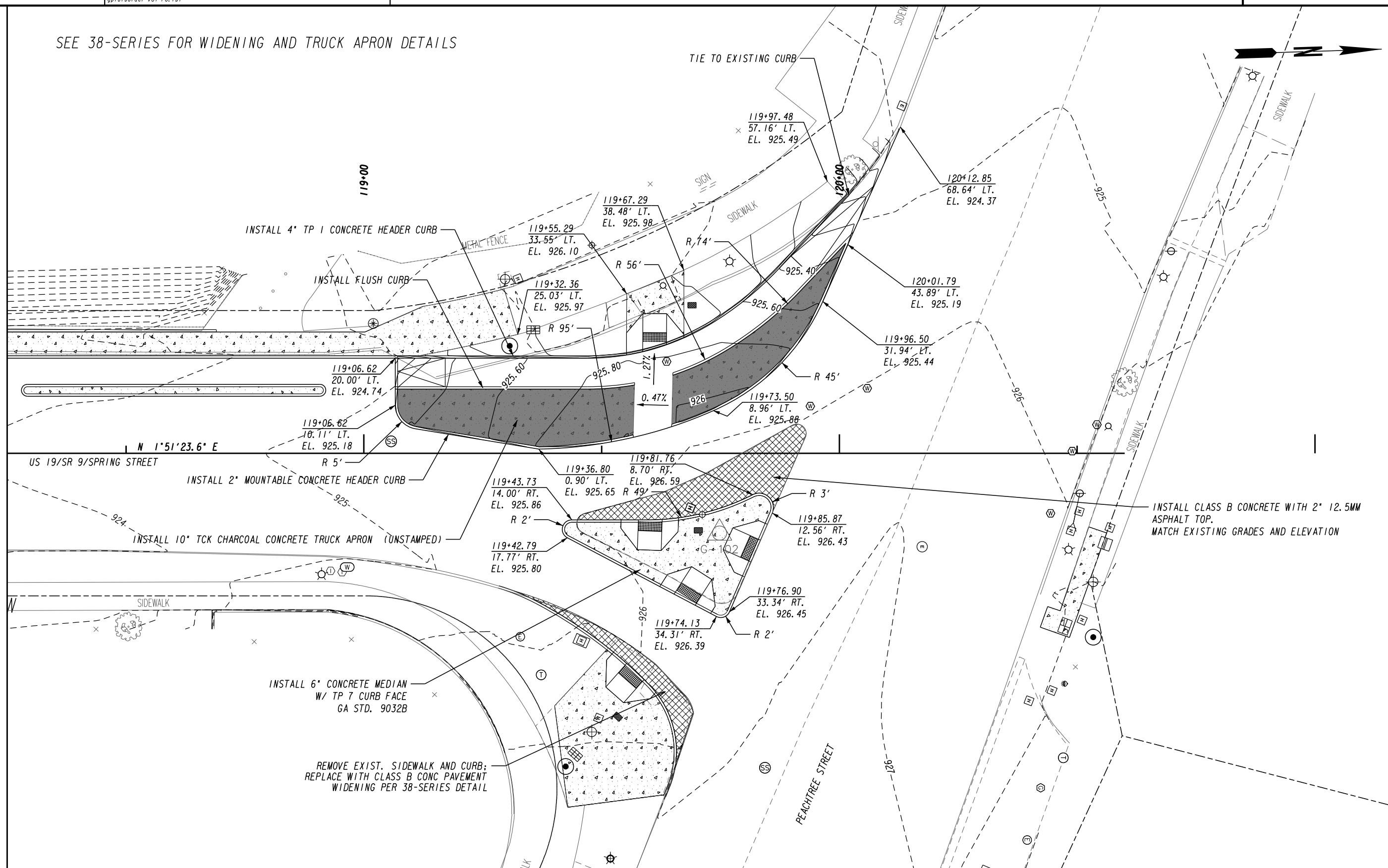


REVISION DATES	

SPECIAL GRADING
 Buford Spring Connector Median

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

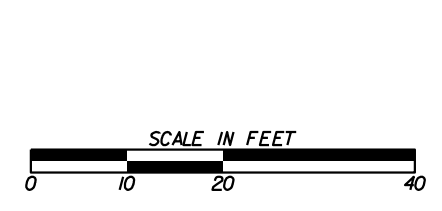
SEE 38-SERIES FOR WIDENING AND TRUCK APRON DETAILS



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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REVISION DATES	

SPECIAL GRADING
 Peachtree Street
 Truck Apron and Median

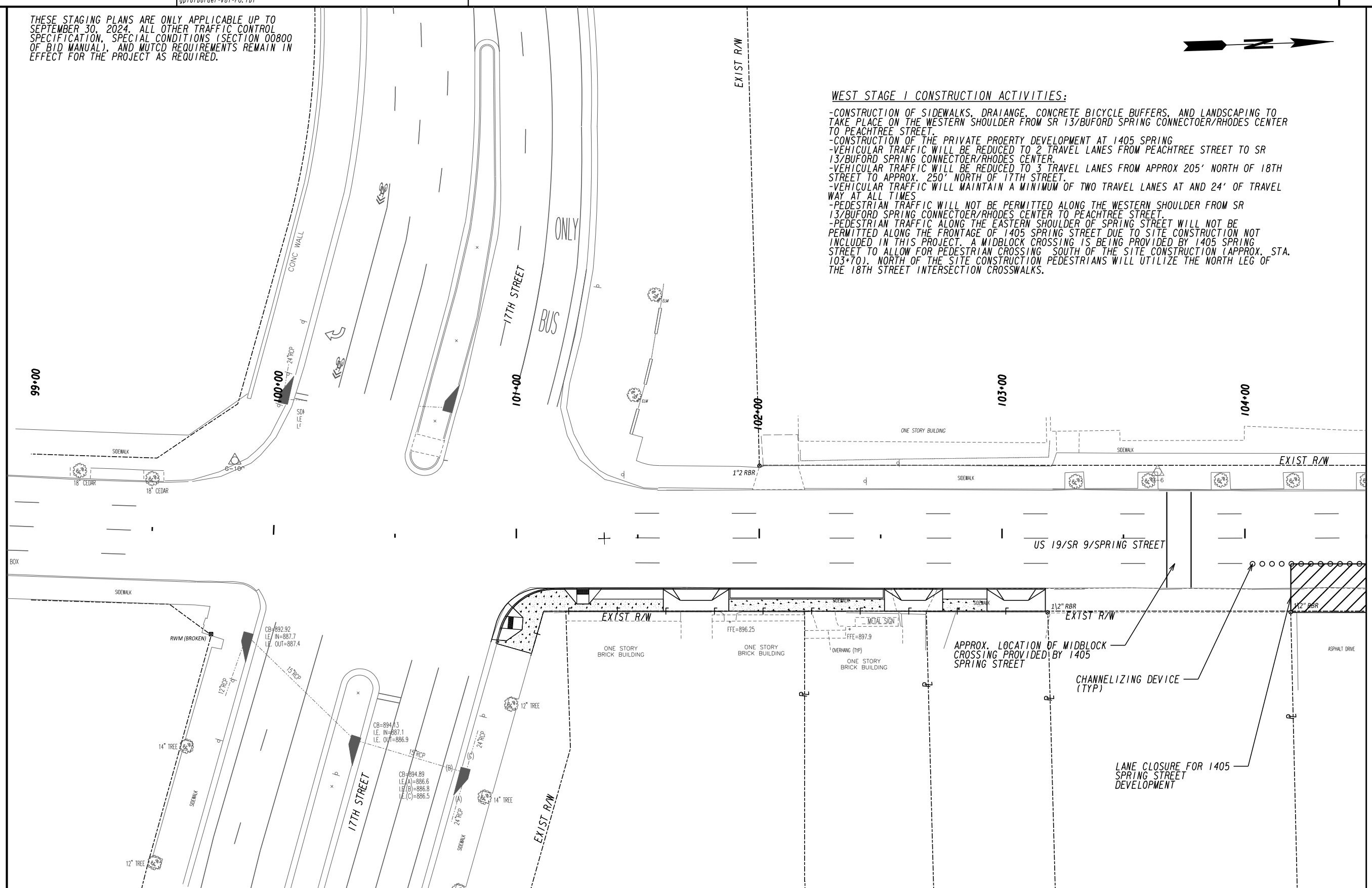
CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	18-0002
CORRECTED:	DATE:	
VERIFIED:	DATE:	

THESE STAGING PLANS ARE ONLY APPLICABLE UP TO SEPTEMBER 30, 2024. ALL OTHER TRAFFIC CONTROL SPECIFICATION, SPECIAL CONDITIONS (SECTION 00800 OF BID MANUAL), AND MUTCD REQUIREMENTS REMAIN IN EFFECT FOR THE PROJECT AS REQUIRED.



WEST STAGE I CONSTRUCTION ACTIVITIES:

- CONSTRUCTION OF SIDEWALKS, DRAINAGE, CONCRETE BICYCLE BUFFERS, AND LANDSCAPING TO TAKE PLACE ON THE WESTERN SHOULDER FROM SR 13/BUFORD SPRING CONNECTOR/RHODES CENTER TO PEACHTREE STREET.
- CONSTRUCTION OF THE PRIVATE PROPERTY DEVELOPMENT AT 1405 SPRING
- VEHICULAR TRAFFIC WILL BE REDUCED TO 2 TRAVEL LANES FROM PEACHTREE STREET TO SR 13/BUFORD SPRING CONNECTOR/RHODES CENTER.
- VEHICULAR TRAFFIC WILL BE REDUCED TO 3 TRAVEL LANES FROM APPROX 205' NORTH OF 18TH STREET TO APPROX. 250' NORTH OF 17TH STREET.
- VEHICULAR TRAFFIC WILL MAINTAIN A MINIMUM OF TWO TRAVEL LANES AT AND 24' OF TRAVEL WAY AT ALL TIMES
- PEDESTRIAN TRAFFIC WILL NOT BE PERMITTED ALONG THE WESTERN SHOULDER FROM SR 13/BUFORD SPRING CONNECTOR/RHODES CENTER TO PEACHTREE STREET.
- PEDESTRIAN TRAFFIC ALONG THE EASTERN SHOULDER OF SPRING STREET WILL NOT BE PERMITTED ALONG THE FRONTAGE OF 1405 SPRING STREET DUE TO SITE CONSTRUCTION NOT INCLUDED IN THIS PROJECT. A MIDBLOCK CROSSING IS BEING PROVIDED BY 1405 SPRING STREET TO ALLOW FOR PEDESTRIAN CROSSING SOUTH OF THE SITE CONSTRUCTION (APPROX. STA. 103+70). NORTH OF THE SITE CONSTRUCTION PEDESTRIANS WILL UTILIZE THE NORTH LEG OF THE 18TH STREET INTERSECTION CROSSWALKS.



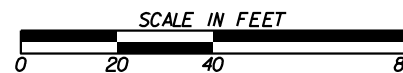
DRAWING No. 19-0102

MATCH LINE STA. 104+50

- CONSTRUCTION THIS STAGE
- TRAFFIC THIS STAGE
- CHANNELIZING DEVICE
- LANE CLOSURE

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REVISION DATES

NO.	DATE	DESCRIPTION

**CONSTRUCTION STAGING PLAN
WEST STAGE I**
Spring Street Bike and
Pedestrian Improvements

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	

19-0101

THESE STAGING PLANS ARE ONLY APPLICABLE UP TO SEPTEMBER 30, 2024. ALL OTHER TRAFFIC CONTROL SPECIFICATION, SPECIAL CONDITIONS (SECTION 00800 OF BID MANUAL), AND MUTCD REQUIREMENTS REMAIN IN EFFECT FOR THE PROJECT AS REQUIRED.

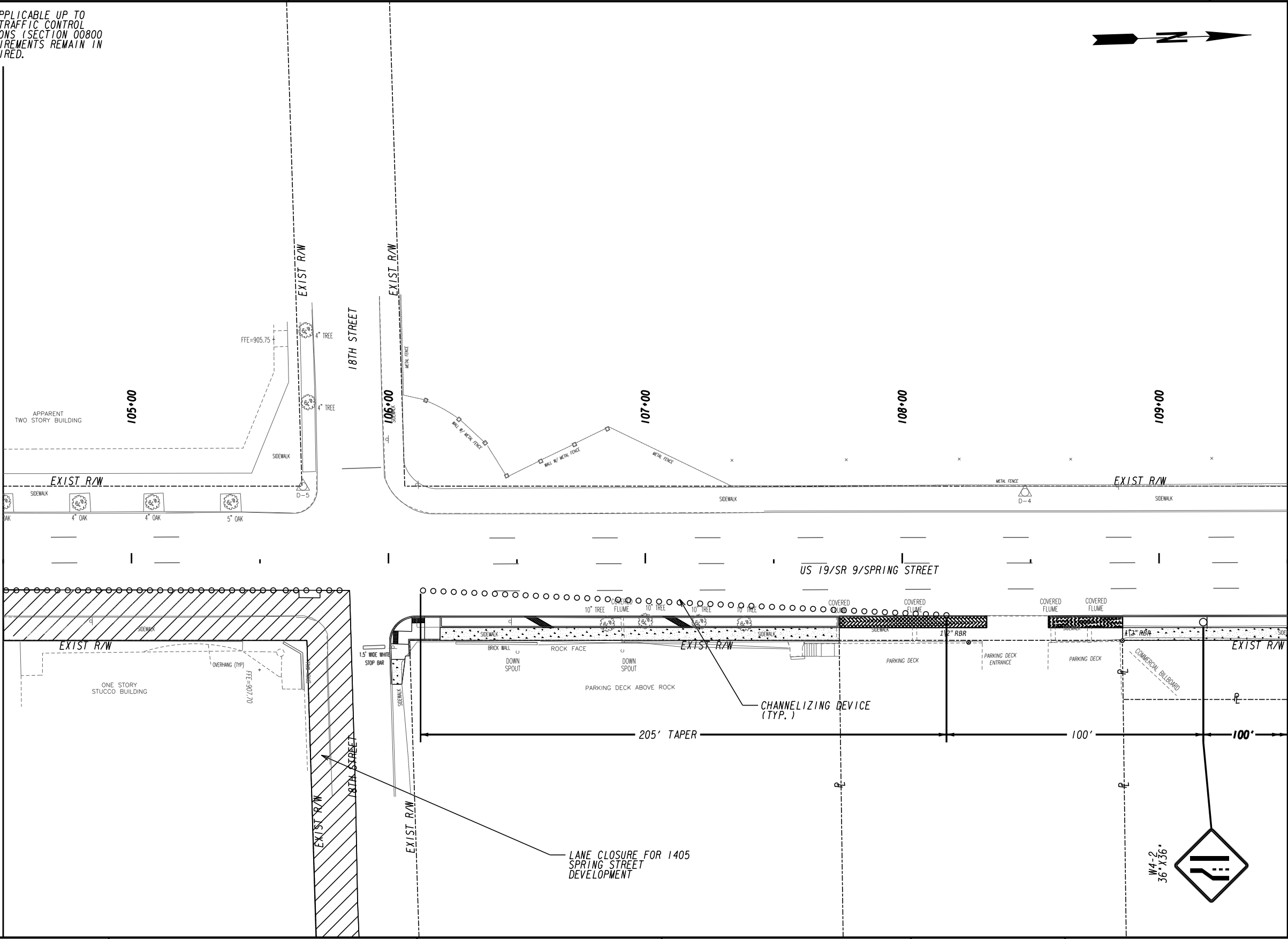






DRAWING No. 19-0101

MATCH LINE STA. 104+50

DRAWING No. 19-0103

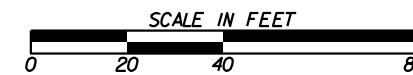
MATCH LINE STA. 109+50



-  CONSTRUCTION THIS STAGE
-  TRAFFIC THIS STAGE
-  CHANNELIZING DEVICE
-  LANE CLOSURE

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REVISION DATES

NO.	DATE	DESCRIPTION

CONSTRUCTION STAGING PLAN WEST STAGE I Spring Street Bike and Pedestrian Improvements

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	19-0102
CORRECTED:	DATE:	
VERIFIED:	DATE:	

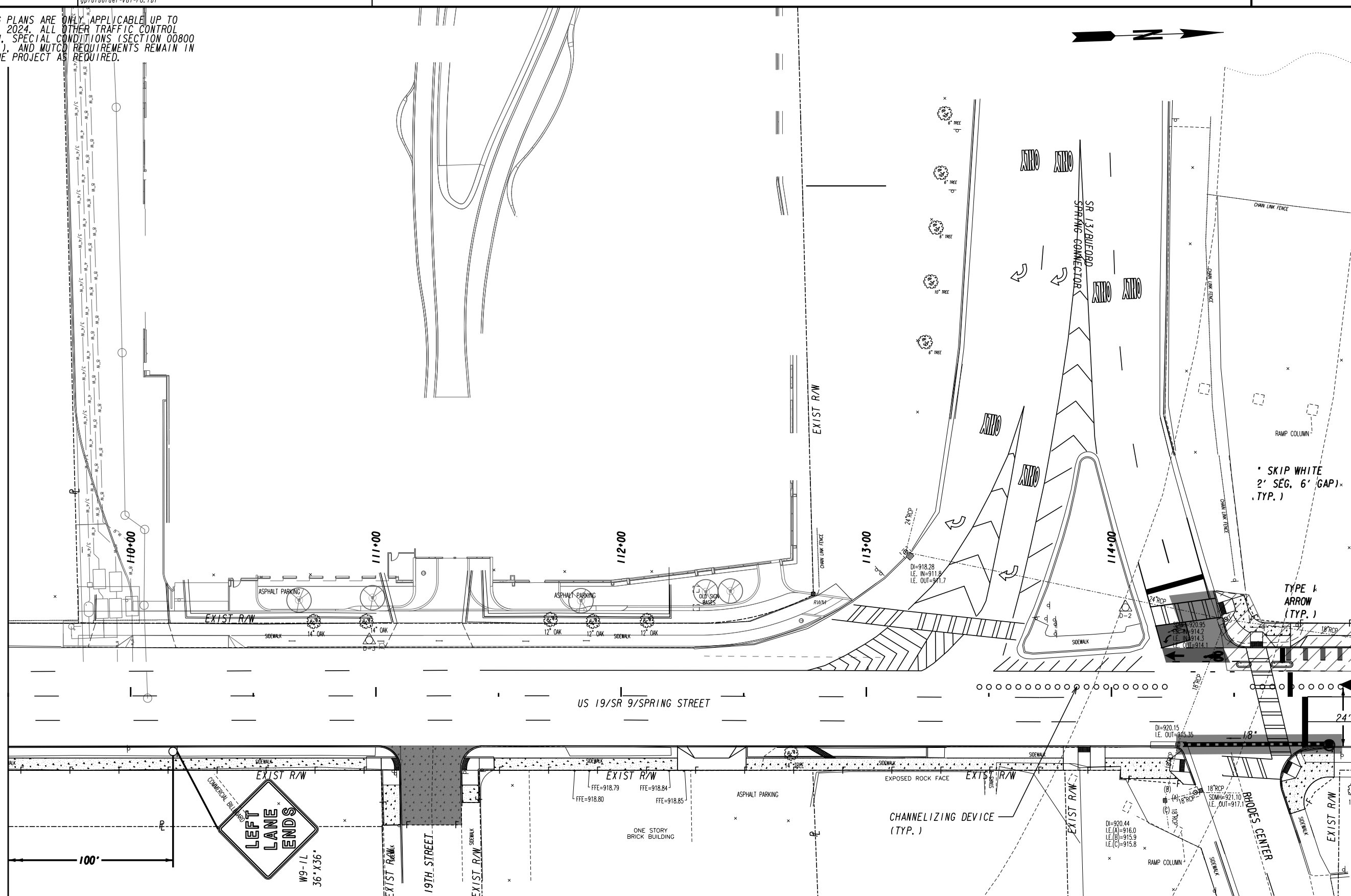
THESE STAGING PLANS ARE ONLY APPLICABLE UP TO SEPTEMBER 30, 2024. ALL OTHER TRAFFIC CONTROL SPECIFICATION, SPECIAL CONDITIONS (SECTION 00800 OF BID MANUAL), AND MUTCD REQUIREMENTS REMAIN IN EFFECT FOR THE PROJECT AS REQUIRED.

DRAWING No. 19-0102

MATCH LINE STA. 109+50

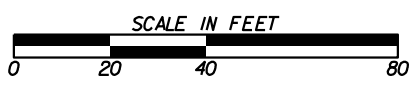
DRAWING No. 19-0104

MATCH LINE STA. 115+00



- CONSTRUCTION THIS STAGE
- TRAFFIC THIS STAGE
- CHANNELIZING DEVICE
- LANE CLOSURE

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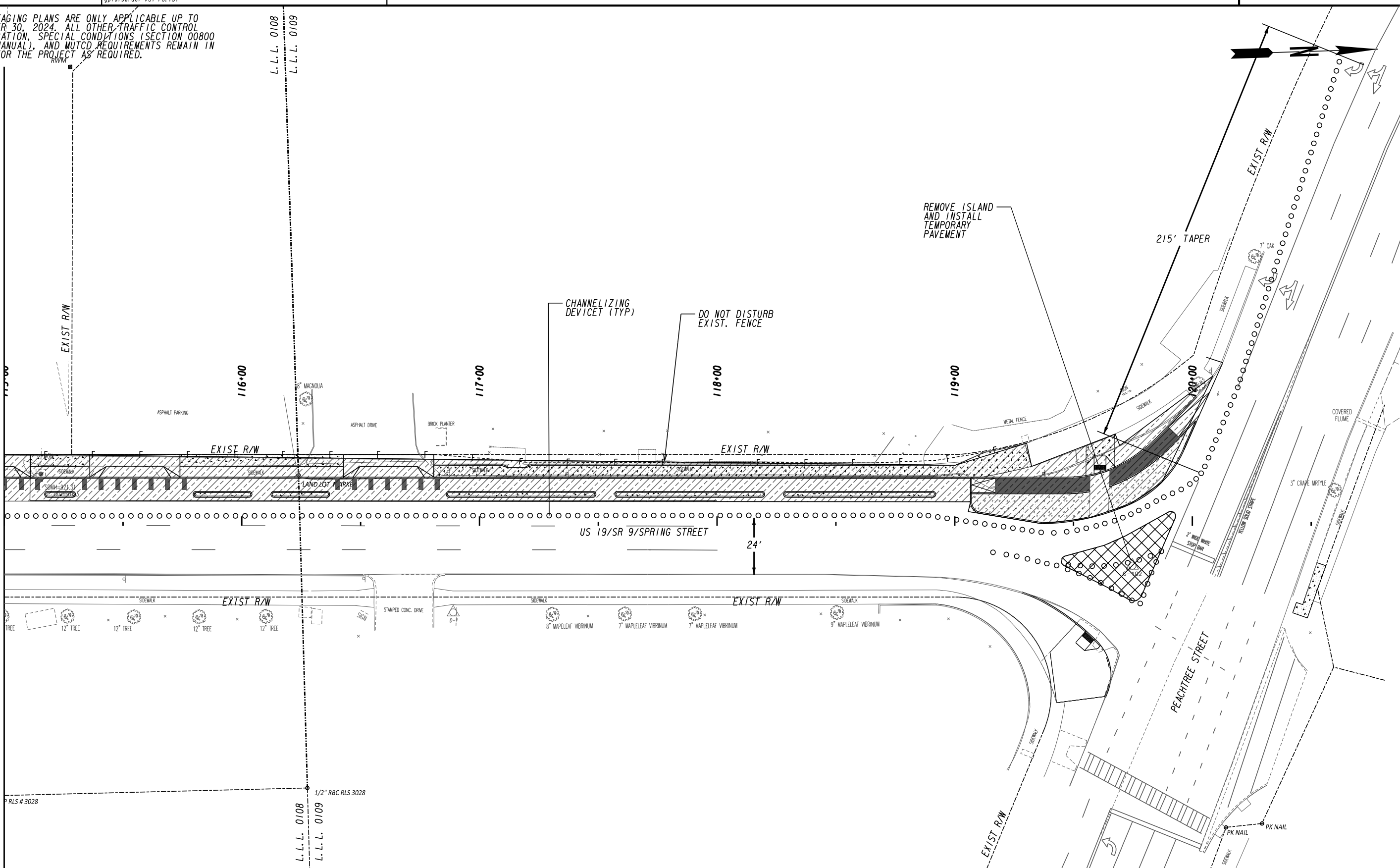



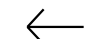


REVISION DATES		CONSTRUCTION STAGING PLAN WEST STAGE 1 Spring Street Bike and Pedestrian Improvements	
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
			DRAWING No. 19-0103

THESE STAGING PLANS ARE ONLY APPLICABLE UP TO SEPTEMBER 30, 2024. ALL OTHER TRAFFIC CONTROL SPECIFICATION, SPECIAL CONDITIONS (SECTION 00800 OF BID MANUAL), AND MUTCD REQUIREMENTS REMAIN IN EFFECT FOR THE PROJECT AS REQUIRED.

DRAWING No. 19-0103

MATCH LINE STA. 115+00

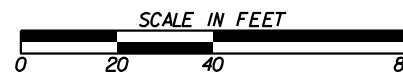


-  CONSTRUCTION THIS STAGE
-  TRAFFIC THIS STAGE
-  CHANNELIZING DEVICE
-  LANE CLOSURE

-  TEMPORARY PAVEMENT

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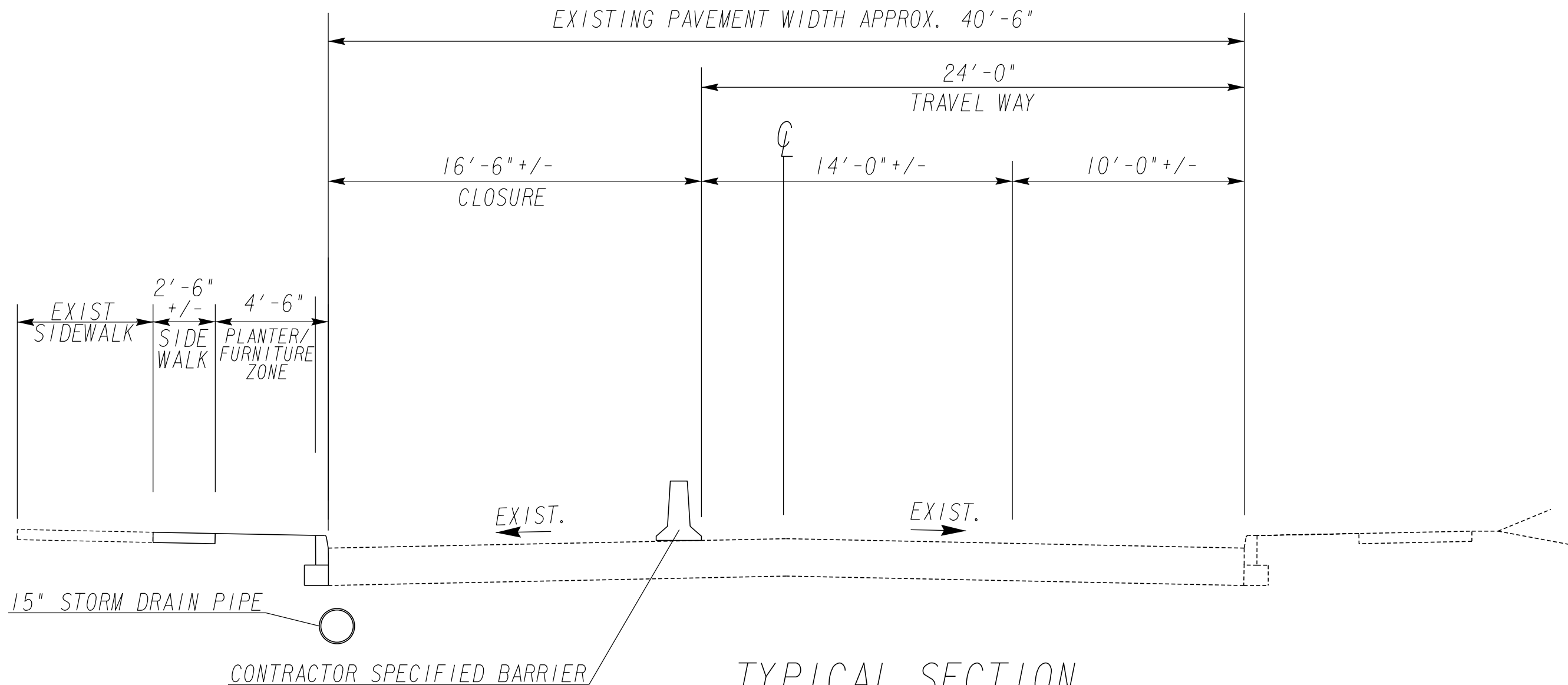
REVISION DATES

NO.	DATE	DESCRIPTION

CONSTRUCTION STAGING PLAN WEST STAGE I Spring Street Bike and Pedestrian Improvements

CHECKED:	DATE:	DRAWING No. 19-0104
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	

THESE STAGING PLANS ARE ONLY APPLICABLE UP TO SEPTEMBER 30, 2024. ALL OTHER TRAFFIC CONTROL SPECIFICATION, SPECIAL CONDITIONS (SECTION 00800 OF BID MANUAL), AND MUTCD REQUIREMENTS REMAIN IN EFFECT FOR THE PROJECT AS REQUIRED.



TYPICAL SECTION
SPRING STREET LANE CLOSURE
 APPROX. STA. 113+50 TO STA. 120+00

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NOT TO SCALE

REVISION DATES

NO.	DATE	DESCRIPTION

CONSTRUCTION STAGING PLAN
WEST STAGE 1
Spring Street Bike and
Pedestrian Improvements

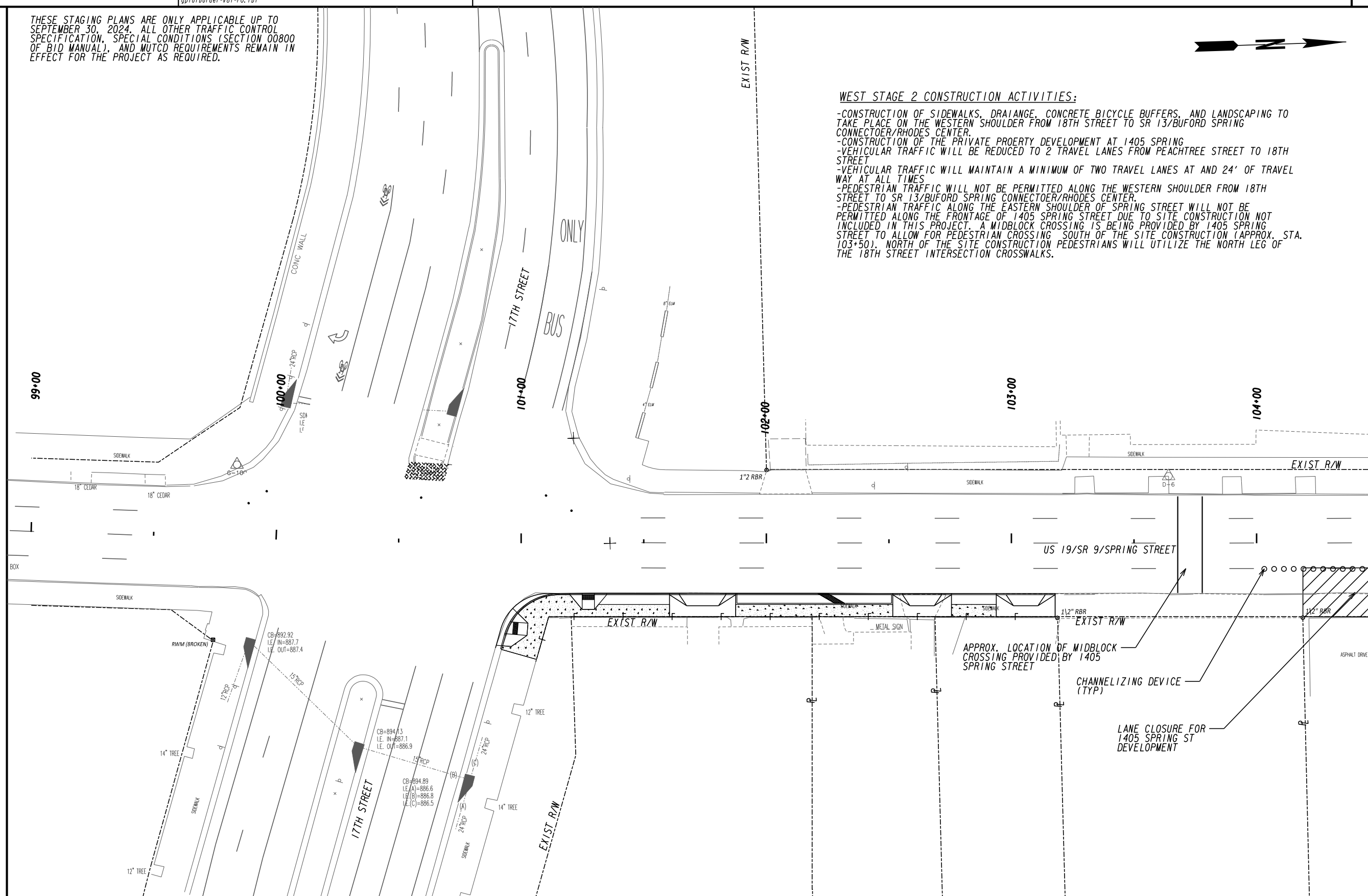
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VERIFIED:	DATE:	

THESE STAGING PLANS ARE ONLY APPLICABLE UP TO SEPTEMBER 30, 2024. ALL OTHER TRAFFIC CONTROL SPECIFICATION, SPECIAL CONDITIONS (SECTION 00800 OF BID MANUAL), AND MUTCD REQUIREMENTS REMAIN IN EFFECT FOR THE PROJECT AS REQUIRED.



WEST STAGE 2 CONSTRUCTION ACTIVITIES:

- CONSTRUCTION OF SIDEWALKS, DRAINAGE, CONCRETE BICYCLE BUFFERS, AND LANDSCAPING TO TAKE PLACE ON THE WESTERN SHOULDER FROM 18TH STREET TO SR 13/BUFORD SPRING CONNECTOER/RHODES CENTER.
- CONSTRUCTION OF THE PRIVATE PROERTY DEVELOPMENT AT 1405 SPRING
- VEHICULAR TRAFFIC WILL BE REDUCED TO 2 TRAVEL LANES FROM PEACHTREE STREET TO 18TH STREET
- VEHICULAR TRAFFIC WILL MAINTAIN A MINIMUM OF TWO TRAVEL LANES AT AND 24' OF TRAVEL WAY AT ALL TIMES
- PEDESTRIAN TRAFFIC WILL NOT BE PERMITTED ALONG THE WESTERN SHOULDER FROM 18TH STREET TO SR 13/BUFORD SPRING CONNECTOER/RHODES CENTER.
- PEDESTRIAN TRAFFIC ALONG THE EASTERN SHOULDER OF SPRING STREET WILL NOT BE PERMITTED ALONG THE FRONTAGE OF 1405 SPRING STREET DUE TO SITE CONSTRUCTION NOT INCLUDED IN THIS PROJECT. A MIDBLOCK CROSSING IS BEING PROVIDED BY 1405 SPRING STREET TO ALLOW FOR PEDESTRIAN CROSSING SOUTH OF THE SITE CONSTRUCTION (APPROX. STA. 103+50). NORTH OF THE SITE CONSTRUCTION PEDESTRIANS WILL UTILIZE THE NORTH LEG OF THE 18TH STREET INTERSECTION CROSSWALKS.



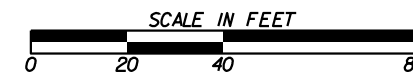
DRAWING No. 19-0202

MATCH LINE STA. 104+50

- CONSTRUCTION THIS STAGE
- TRAFFIC THIS STAGE
- CHANNELIZING DEVICE
- LANE CLOSURE

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REVISION DATES

NO.	DATE	DESCRIPTION

CONSTRUCTION STAGING PLAN
WEST STAGE 2
Spring Street Bike and Pedestrian Improvements

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	19-0201
CORRECTED:	DATE:	
VERIFIED:	DATE:	

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WEST STAGE 2 CONSTRUCTION ACTIVITIES:

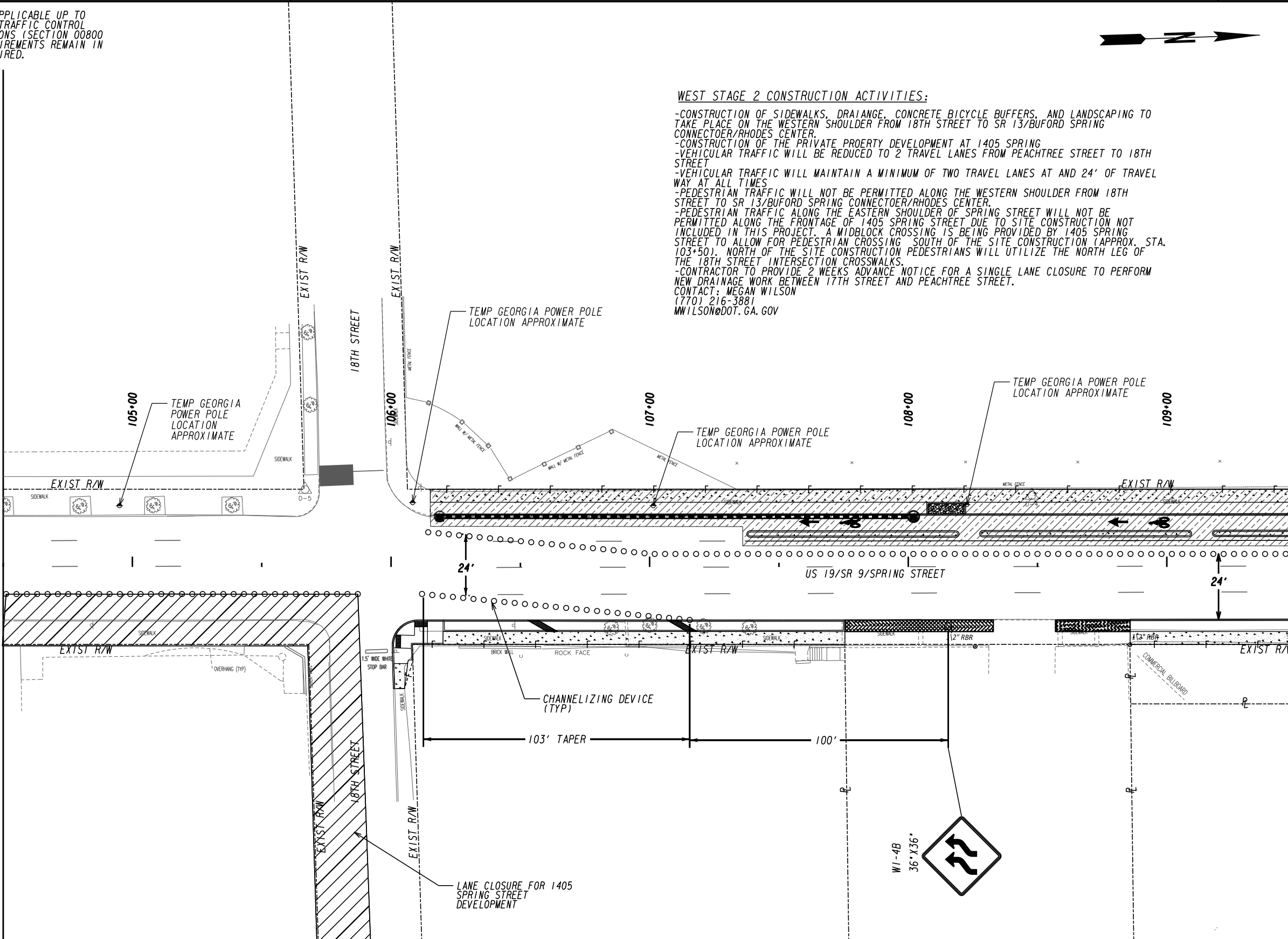
- CONSTRUCTION OF SIDEWALKS, DRAINAGE, CONCRETE BICYCLE BUFFERS, AND LANDSCAPING TO TAKE PLACE ON THE WESTERN SHOULDER FROM 18TH STREET TO SR 13/BUFORD SPRING CONNECTOER/RHODES CENTER.
 - CONSTRUCTION OF THE PRIVATE PROERTY DEVELOPMENT AT 1405 SPRING
 - VEHICULAR TRAFFIC WILL BE REDUCED TO 2 TRAVEL LANES FROM PEACHTREE STREET TO 18TH STREET
 - VEHICULAR TRAFFIC WILL MAINTAIN A MINIMUM OF TWO TRAVEL LANES AT AND 24' OF TRAVEL WAY AT ALL TIMES
 - PEDESTRIAN TRAFFIC WILL NOT BE PERMITTED ALONG THE WESTERN SHOULDER FROM 18TH STREET TO SR 13/BUFORD SPRING CONNECTOER/RHODES CENTER.
 - PEDESTRIAN TRAFFIC ALONG THE EASTERN SHOULDER OF SPRING STREET WILL NOT BE PERMITTED ALONG THE FRONTAGE OF 1405 SPRING STREET DUE TO SITE CONSTRUCTION NOT INCLUDED IN THIS PROJECT. A MIDBLOCK CROSSING IS BEING PROVIDED BY 1405 SPRING STREET TO ALLOW FOR PEDESTRIAN CROSSING SOUTH OF THE SITE CONSTRUCTION (APPROX. STA. 103+50). NORTH OF THE SITE CONSTRUCTION PEDESTRIANS WILL UTILIZE THE NORTH LEG OF THE 18TH STREET INTERSECTION CROSSWALKS.
 - CONTRACTOR TO PROVIDE 2 WEEKS ADVANCE NOTICE FOR A SINGLE LANE CLOSURE TO PERFORM NEW DRAINAGE WORK BETWEEN 17TH STREET AND PEACHTREE STREET.
- CONTACT: MEGAN WILSON
(770) 216-3881
MWILSON@DOT.GA.GOV

DRAWING No. 19-0201

MATCH LINE STA. 104+50

DRAWING No. 19-0203

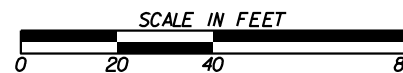
MATCH LINE STA. 109+50



- CONSTRUCTION THIS STAGE
- TRAFFIC THIS STAGE
- CHANNELIZING DEVICE
- LANE CLOSURE

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REVISION DATES

NO.	DATE	DESCRIPTION

CONSTRUCTION STAGING PLAN
WEST STAGE 2
Spring Street Bike and Pedestrian Improvements

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	19-0202
CORRECTED:	DATE:	
VERIFIED:	DATE:	

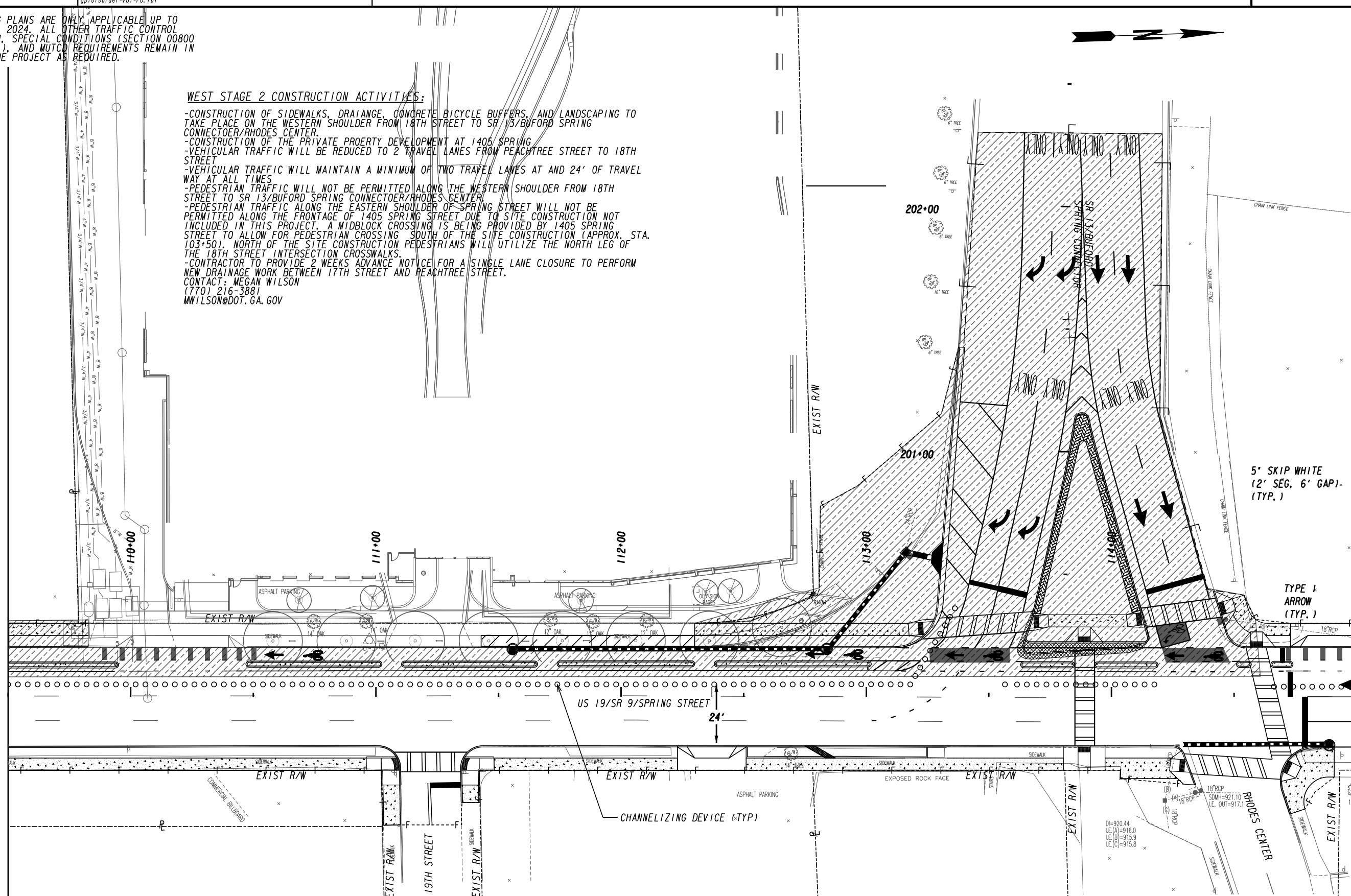
THESE STAGING PLANS ARE ONLY APPLICABLE UP TO SEPTEMBER 30, 2024. ALL OTHER TRAFFIC CONTROL SPECIFICATION, SPECIAL CONDITIONS (SECTION 00800 OF BID MANUAL), AND MUTCD REQUIREMENTS REMAIN IN EFFECT FOR THE PROJECT AS REQUIRED.

WEST STAGE 2 CONSTRUCTION ACTIVITIES:

- CONSTRUCTION OF SIDEWALKS, DRAINAGE, CONCRETE BICYCLE BUFFERS, AND LANDSCAPING TO TAKE PLACE ON THE WESTERN SHOULDER FROM 18TH STREET TO SR 13/BUFORD SPRING CONNECTOR/RHODES CENTER.
 - CONSTRUCTION OF THE PRIVATE PROPERTY DEVELOPMENT AT 1405 SPRING
 - VEHICULAR TRAFFIC WILL BE REDUCED TO 2 TRAVEL LANES FROM PEACHTREE STREET TO 18TH STREET
 - VEHICULAR TRAFFIC WILL MAINTAIN A MINIMUM OF TWO TRAVEL LANES AT AND 24' OF TRAVEL WAY AT ALL TIMES
 - PEDESTRIAN TRAFFIC WILL NOT BE PERMITTED ALONG THE WESTERN SHOULDER FROM 18TH STREET TO SR 13/BUFORD SPRING CONNECTOR/RHODES CENTER
 - PEDESTRIAN TRAFFIC ALONG THE EASTERN SHOULDER OF SPRING STREET WILL NOT BE PERMITTED ALONG THE FRONTAGE OF 1405 SPRING STREET DUE TO SITE CONSTRUCTION NOT INCLUDED IN THIS PROJECT. A MIDBLOCK CROSSING IS BEING PROVIDED BY 1405 SPRING STREET TO ALLOW FOR PEDESTRIAN CROSSING SOUTH OF THE SITE CONSTRUCTION (APPROX. STA. 103+50). NORTH OF THE SITE CONSTRUCTION PEDESTRIANS WILL UTILIZE THE NORTH LEG OF THE 18TH STREET INTERSECTION CROSSWALKS.
 - CONTRACTOR TO PROVIDE 2 WEEKS ADVANCE NOTICE FOR A SINGLE LANE CLOSURE TO PERFORM NEW DRAINAGE WORK BETWEEN 17TH STREET AND PEACHTREE STREET.
- CONTACT: MEGAN WILSON
(770) 216-3881
MWILSON@DOT.GA.GOV

DRAWING No. 19-0202

MATCH LINE STA. 109+50

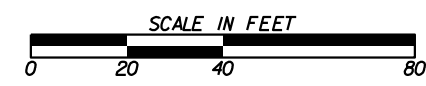


DRAWING No. 19-0204

MATCH LINE STA. 115+00

CONSTRUCTION THIS STAGE
 TRAFFIC THIS STAGE
 CHANNELIZING DEVICE
 LANE CLOSURE

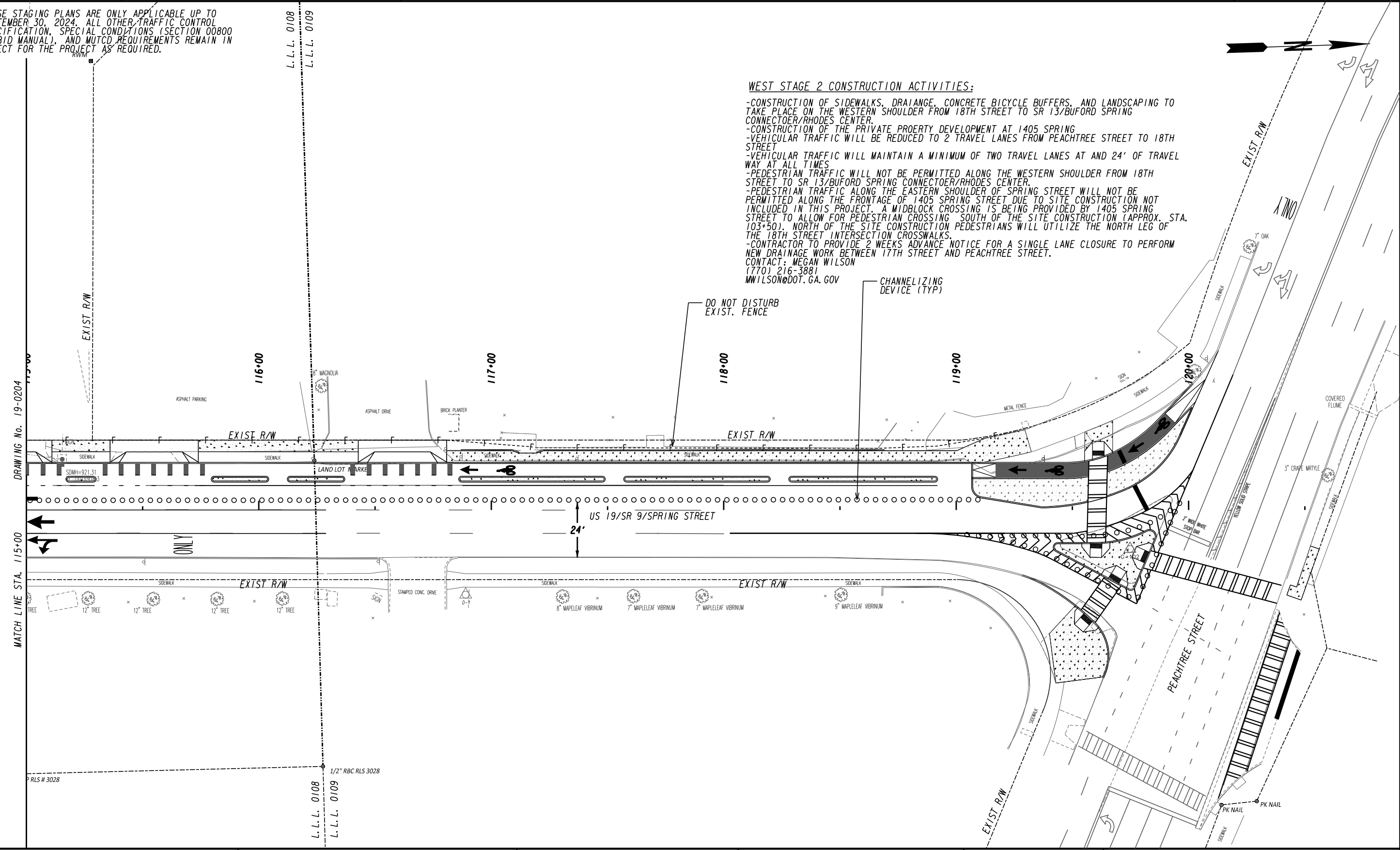
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 Atlanta, GA 30308



REVISION DATES		CONSTRUCTION STAGING PLAN WEST STAGE 2 Spring Street Bike and Pedestrian Improvements	
CHECKED:	DATE:	CHECKED:	DATE:
BACKCHECKED:	DATE:	CORRECTED:	DATE:
CORRECTED:	DATE:	VERIFIED:	DATE:
		DRAWING No. 19-0203	

THESE STAGING PLANS ARE ONLY APPLICABLE UP TO SEPTEMBER 30, 2024. ALL OTHER TRAFFIC CONTROL SPECIFICATION, SPECIAL CONDITIONS (SECTION 00800 OF BID MANUAL), AND MUTCD REQUIREMENTS REMAIN IN EFFECT FOR THE PROJECT AS REQUIRED.

WEST STAGE 2 CONSTRUCTION ACTIVITIES:
 -CONSTRUCTION OF SIDEWALKS, DRAINAGE, CONCRETE BICYCLE BUFFERS, AND LANDSCAPING TO TAKE PLACE ON THE WESTERN SHOULDER FROM 18TH STREET TO SR 13/BUFORD SPRING CONNECTOER/RHODES CENTER.
 -CONSTRUCTION OF THE PRIVATE PROERTY DEVELOPMENT AT 1405 SPRING
 -VEHICULAR TRAFFIC WILL BE REDUCED TO 2 TRAVEL LANES FROM PEACHTREE STREET TO 18TH STREET
 -VEHICULAR TRAFFIC WILL MAINTAIN A MINIMUM OF TWO TRAVEL LANES AT AND 24' OF TRAVEL WAY AT ALL TIMES
 -PEDESTRIAN TRAFFIC WILL NOT BE PERMITTED ALONG THE WESTERN SHOULDER FROM 18TH STREET TO SR 13/BUFORD SPRING CONNECTOER/RHODES CENTER.
 -PEDESTRIAN TRAFFIC ALONG THE EASTERN SHOULDER OF SPRING STREET WILL NOT BE PERMITTED ALONG THE FRONTAGE OF 1405 SPRING STREET DUE TO SITE CONSTRUCTION NOT INCLUDED IN THIS PROJECT. A MIDBLOCK CROSSING IS BEING PROVIDED BY 1405 SPRING STREET TO ALLOW FOR PEDESTRIAN CROSSING SOUTH OF THE SITE CONSTRUCTION (APPROX. STA. 103+50). NORTH OF THE SITE CONSTRUCTION PEDESTRIANS WILL UTILIZE THE NORTH LEG OF THE 18TH STREET INTERSECTION CROSSWALKS.
 -CONTRACTOR TO PROVIDE 2 WEEKS ADVANCE NOTICE FOR A SINGLE LANE CLOSURE TO PERFORM NEW DRAINAGE WORK BETWEEN 17TH STREET AND PEACHTREE STREET.
 CONTACT: MEGAN WILSON
 (770) 216-3881
 MWILSON@DOT.GA.GOV



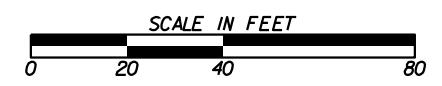
CONSTRUCTION THIS STAGE (Hatched pattern)

TRAFFIC THIS STAGE (Arrow)

CHANNELIZING DEVICE (Circle)

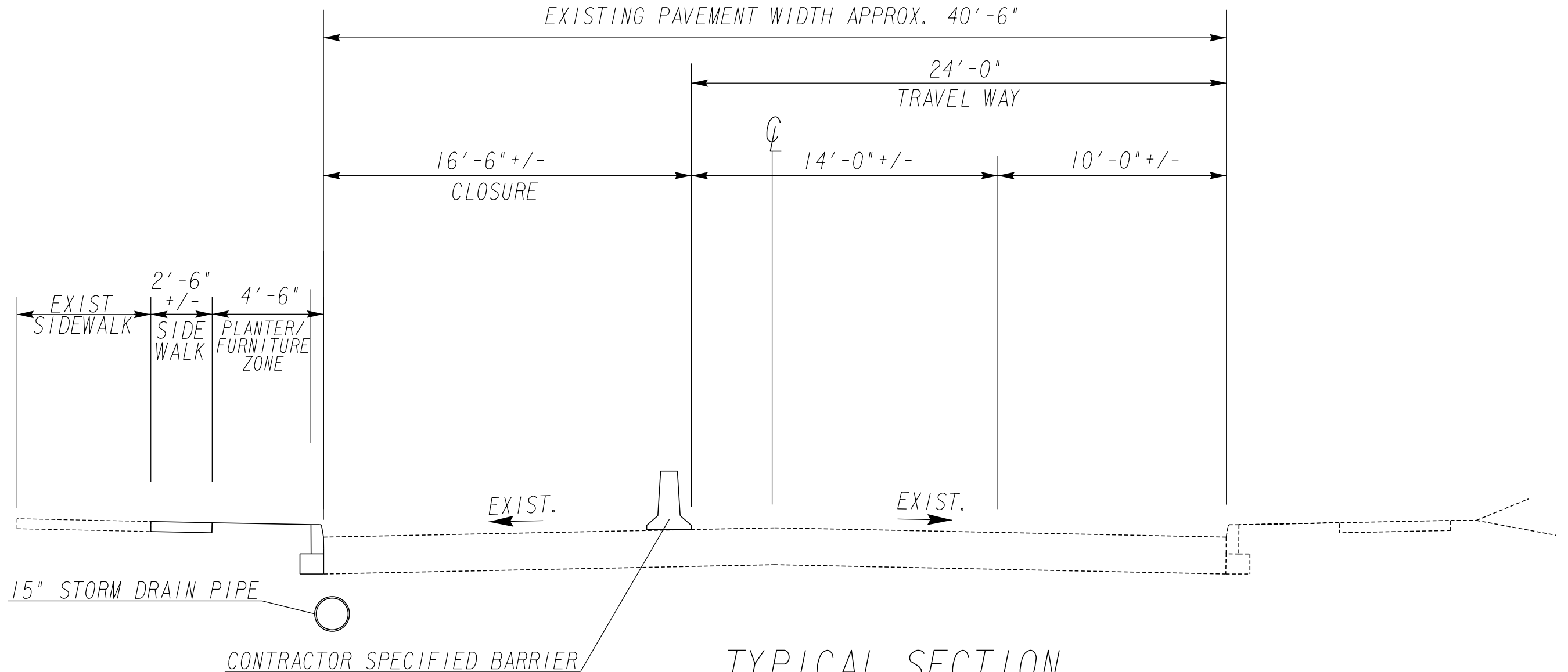
LANE CLOSURE (Hatched pattern)

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



REVISION DATES		CONSTRUCTION STAGING PLAN WEST STAGE 2 Spring Street Bike and Pedestrian Improvements	
CHECKED:	DATE:	CHECKED:	DATE:
BACKCHECKED:	DATE:	CORRECTED:	DATE:
VERIFIED:	DATE:	VERIFIED:	DATE:
			DRAWING No. 19-0204

THESE STAGING PLANS ARE ONLY APPLICABLE UP TO SEPTEMBER 30, 2024. ALL OTHER TRAFFIC CONTROL SPECIFICATION, SPECIAL CONDITIONS (SECTION 00800 OF BID MANUAL), AND MUTCD REQUIREMENTS REMAIN IN EFFECT FOR THE PROJECT AS REQUIRED.



TYPICAL SECTION
SPRING STREET LANE CLOSURE
APPROX. STA. 108+50 TO STA. 120+00

Kimley»Horn

Engineering, Planning, and Environmental Consultants
817 W. Peachtree Street, NW
Atlanta, Georgia 30308

NOT TO SCALE

REVISION DATES

NO.	DATE	DESCRIPTION

**CONSTRUCTION STAGING PLAN
WEST STAGE 2**
Spring Street Bike and
Pedestrian Improvements

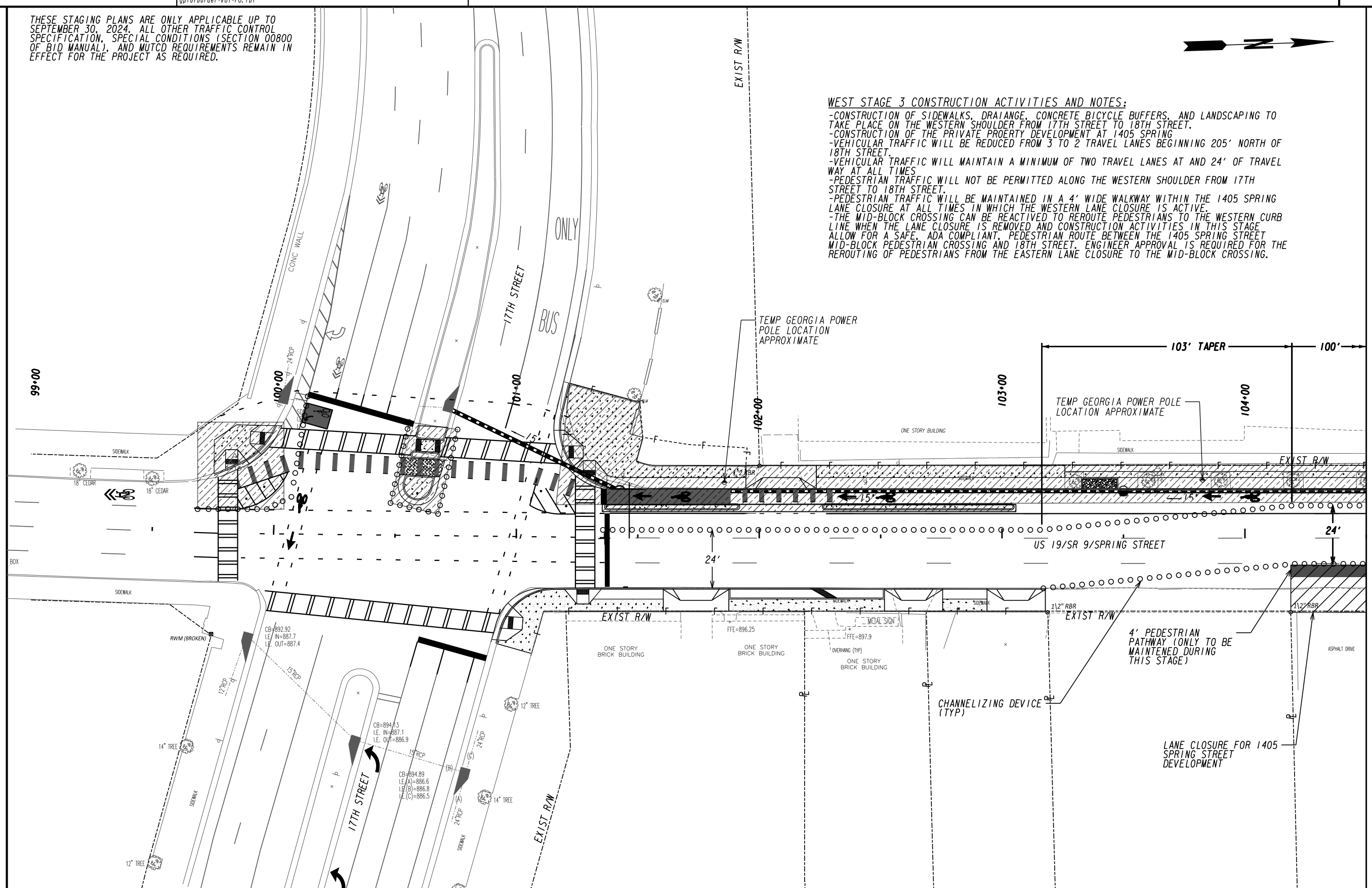
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BACKCHECKED:	DATE:	19-0205
CORRECTED:	DATE:	
VERIFIED:	DATE:	

THESE STAGING PLANS ARE ONLY APPLICABLE UP TO SEPTEMBER 30, 2024. ALL OTHER TRAFFIC CONTROL SPECIFICATION, SPECIAL CONDITIONS (SECTION 00800 OF BID MANUAL), AND MUTCD REQUIREMENTS REMAIN IN EFFECT FOR THE PROJECT AS REQUIRED.



WEST STAGE 3 CONSTRUCTION ACTIVITIES AND NOTES:

- CONSTRUCTION OF SIDEWALKS, DRAINAGE, CONCRETE BICYCLE BUFFERS, AND LANDSCAPING TO TAKE PLACE ON THE WESTERN SHOULDER FROM 17TH STREET TO 18TH STREET.
- CONSTRUCTION OF THE PRIVATE PROPERTY DEVELOPMENT AT 1405 SPRING
- VEHICULAR TRAFFIC WILL BE REDUCED FROM 3 TO 2 TRAVEL LANES BEGINNING 205' NORTH OF 18TH STREET
- VEHICULAR TRAFFIC WILL MAINTAIN A MINIMUM OF TWO TRAVEL LANES AT AND 24' OF TRAVEL WAY AT ALL TIMES
- PEDESTRIAN TRAFFIC WILL NOT BE PERMITTED ALONG THE WESTERN SHOULDER FROM 17TH STREET TO 18TH STREET.
- PEDESTRIAN TRAFFIC WILL BE MAINTAINED IN A 4' WIDE WALKWAY WITHIN THE 1405 SPRING LANE CLOSURE AT ALL TIMES IN WHICH THE WESTERN LANE CLOSURE IS ACTIVE.
- THE MID-BLOCK CROSSING CAN BE REACTIVED TO REROUTE PEDESTRIANS TO THE WESTERN CURB LINE WHEN THE LANE CLOSURE IS REMOVED AND CONSTRUCTION ACTIVITIES IN THIS STAGE ALLOW FOR A SAFE, ADA COMPLIANT, PEDESTRIAN ROUTE BETWEEN THE 1405 SPRING STREET MID-BLOCK PEDESTRIAN CROSSING AND 18TH STREET. ENGINEER APPROVAL IS REQUIRED FOR THE REROUTING OF PEDESTRIANS FROM THE EASTERN LANE CLOSURE TO THE MID-BLOCK CROSSING.

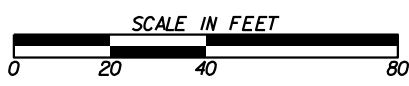


DRAWING No. 19-0302
MATCH LINE STA. 104+50

- CONSTRUCTION THIS STAGE
- TRAFFIC THIS STAGE
- CHANNELIZING DEVICE
- LANE CLOSURE

Kimley»Horn

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



REVISION DATES

NO.	DATE	DESCRIPTION

CONSTRUCTION STAGING PLAN WEST STAGE 3 Spring Street Bike and Pedestrian Improvements

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	19-0301
CORRECTED:	DATE:	
VERIFIED:	DATE:	

THESE STAGING PLANS ARE ONLY APPLICABLE UP TO SEPTEMBER 30, 2024. ALL OTHER TRAFFIC CONTROL SPECIFICATION, SPECIAL CONDITIONS (SECTION 00800 OF BID MANUAL), AND MUTCD REQUIREMENTS REMAIN IN EFFECT FOR THE PROJECT AS REQUIRED.

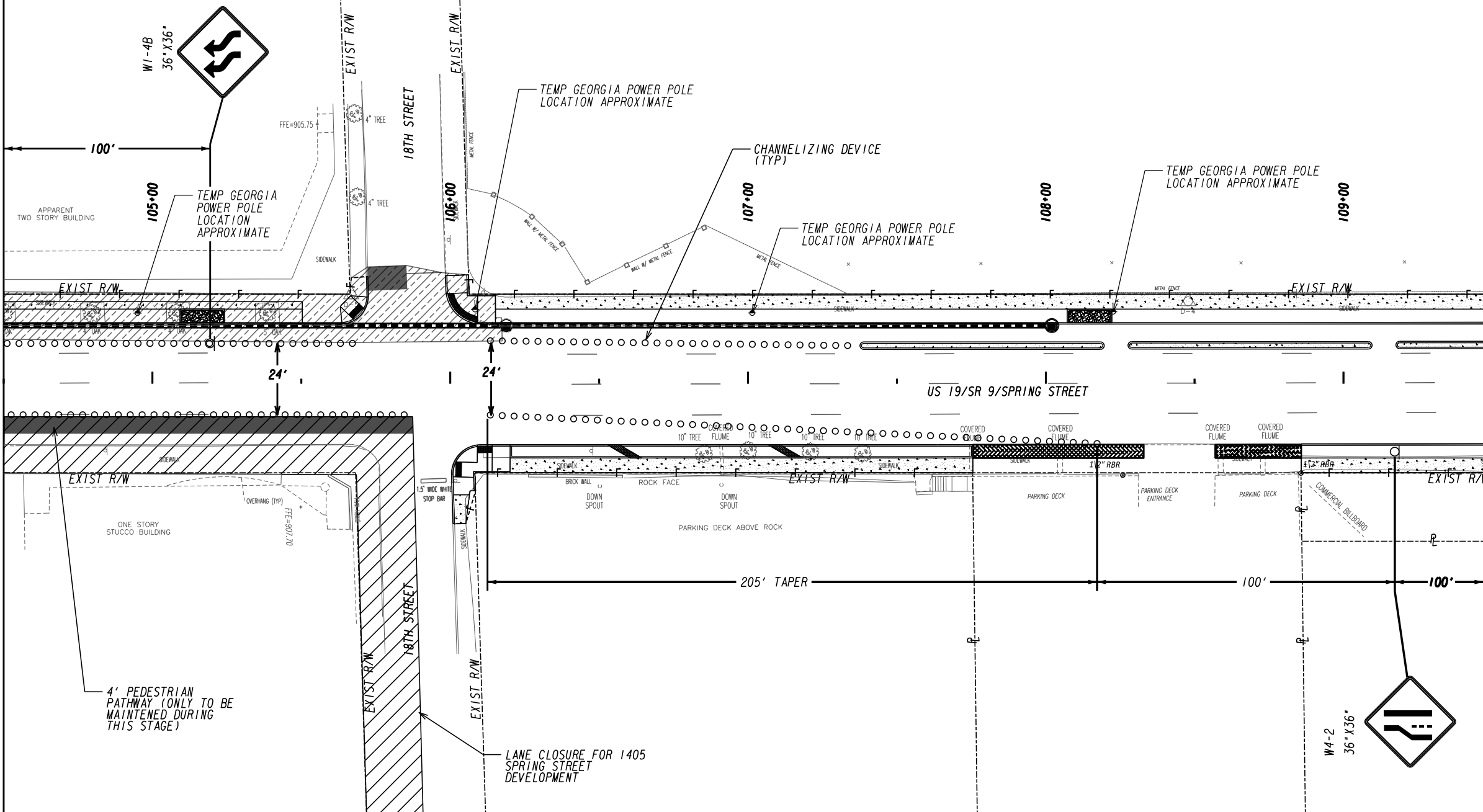






DRAWING No. 19-0301

MATCH LINE STA. 104+50

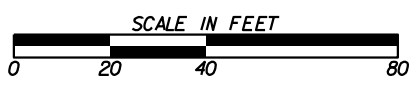
DRAWING No. 19-0303

MATCH LINE STA. 109+50



-  CONSTRUCTION THIS STAGE
-  TRAFFIC THIS STAGE
-  CHANNELIZING DEVICE
-  LANE CLOSURE

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



REVISION DATES		CONSTRUCTION STAGING PLAN WEST STAGE 3 Spring Street Bike and Pedestrian Improvements	
CHECKED:	DATE:	CHECKED:	DATE:
BACKCHECKED:	DATE:	BACKCHECKED:	DATE:
CORRECTED:	DATE:	CORRECTED:	DATE:
VERIFIED:	DATE:	VERIFIED:	DATE:
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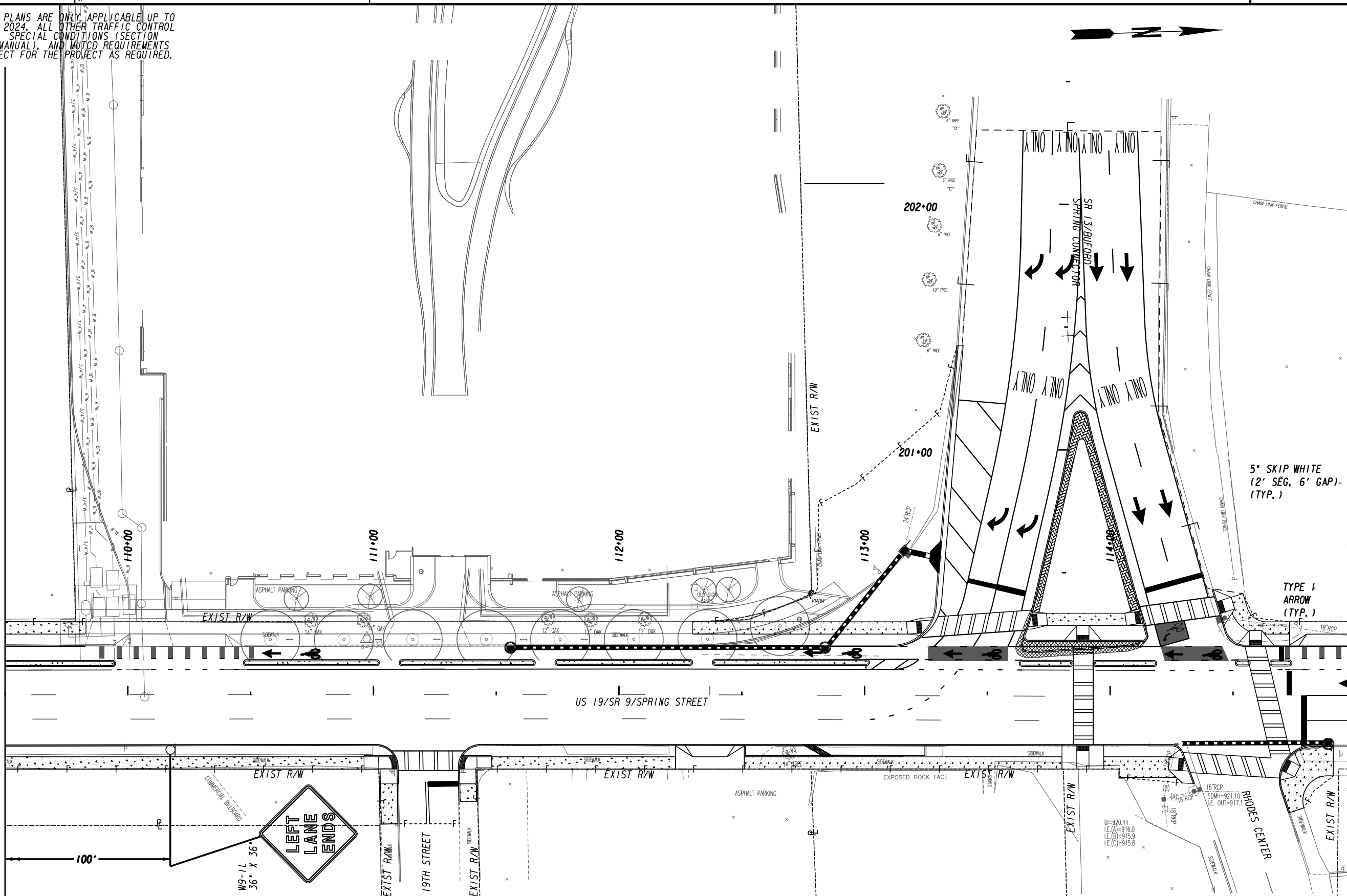
THESE STAGING PLANS ARE ONLY APPLICABLE UP TO SEPTEMBER 30, 2024. ALL OTHER TRAFFIC CONTROL SPECIFICATION, SPECIAL CONDITIONS (SECTION 00800 OF BID MANUAL), AND MUTCD REQUIREMENTS REMAIN IN EFFECT FOR THE PROJECT AS REQUIRED.

DRAWING No. 19-0302

MATCH LINE STA. 109+50

DRAWING No. 19-0304

MATCH LINE STA. 115+00



- CONSTRUCTION THIS STAGE
- TRAFFIC THIS STAGE
- CHANNELIZING DEVICE
- LANE CLOSURE

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

SCALE IN FEET

REVISION DATES	

CONSTRUCTION STAGING PLAN
WEST STAGE 3
Spring Street Bike and Pedestrian Improvements

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	19-0303
CORRECTED:	DATE:	
VERIFIED:	DATE:	

THESE STAGING PLANS ARE ONLY APPLICABLE UP TO SEPTEMBER 30, 2024. ALL OTHER TRAFFIC CONTROL SPECIFICATION, SPECIAL CONDITIONS (SECTION 00800 OF BID MANUAL), AND MUTCD REQUIREMENTS REMAIN IN EFFECT FOR THE PROJECT AS REQUIRED.

NO ACTIVE CONSTRUCTION ON THIS SHEET

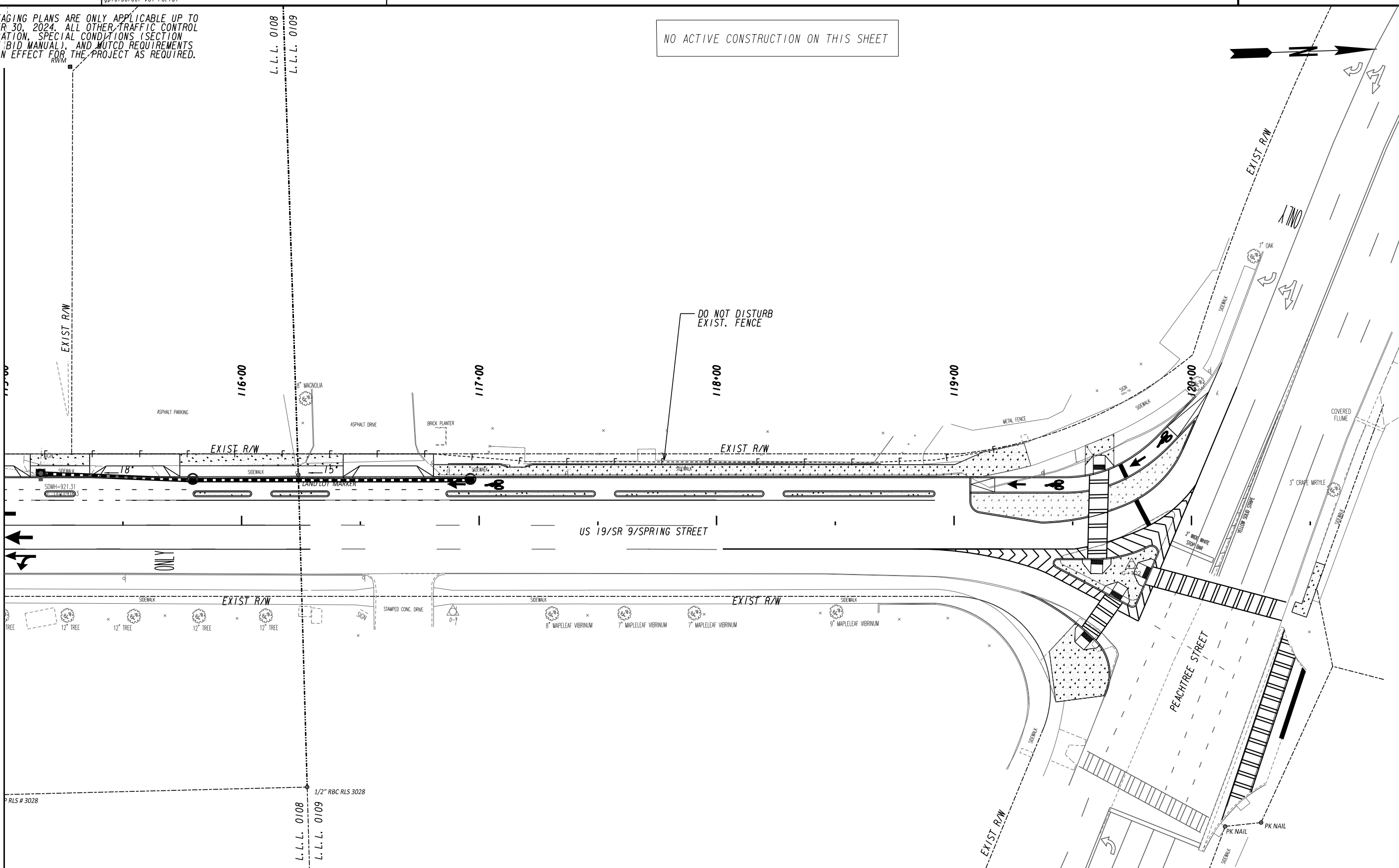
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


MATCH LINE STA. 115+00

PKLS # 3028

L.L.L. 0108
L.L.L. 0109

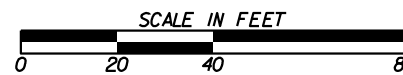
L.L.L. 0108
L.L.L. 0109



-  CONSTRUCTION THIS STAGE
-  TRAFFIC THIS STAGE
-  CHANNELIZING DEVICE
-  LANE CLOSURE

Kimley»Horn

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



REVISION DATES

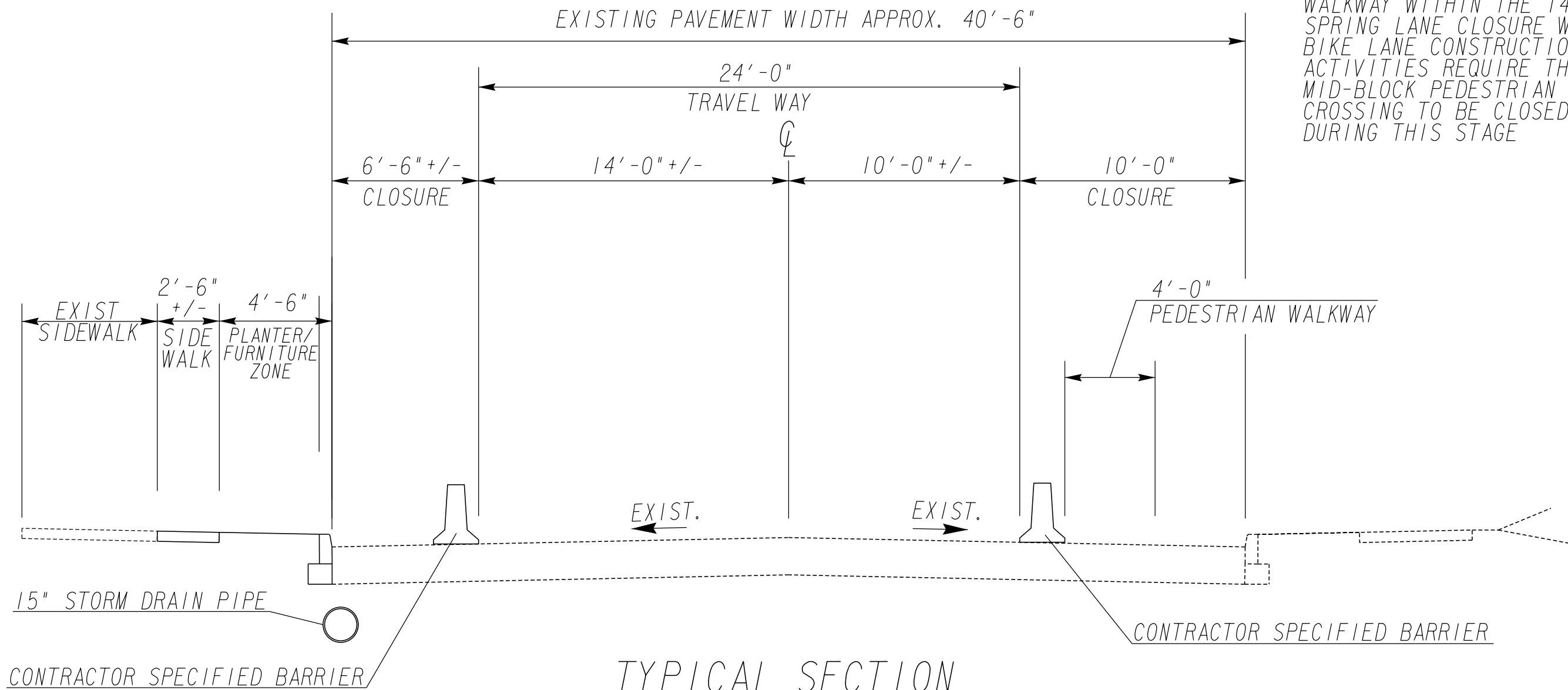
NO.	DATE	DESCRIPTION

CONSTRUCTION STAGING PLAN WEST STAGE 3 Spring Street Bike and Pedestrian Improvements

CHECKED:	DATE:	DRAWING No. 19-0304
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	

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NOTE:
PEDESTRIAN TRAFFIC WILL BE MAINTAINED IN A 4' WALKWAY WITHIN THE 1405 SPRING LANE CLOSURE WHEN BIKE LANE CONSTRUCTION ACTIVITIES REQUIRE THE MID-BLOCK PEDESTRIAN CROSSING TO BE CLOSED DURING THIS STAGE



TYPICAL SECTION
SPRING STREET LANE CLOSURE
 APPROX. STA. 104+20 TO STA. 106+00

Kimley»Horn

Engineering, Planning, and Environmental Consultants
817 W. Peachtree Street, NW
Atlanta, Georgia 30308

NOT TO SCALE

REVISION DATES

NO.	DATE	DESCRIPTION

CONSTRUCTION STAGING PLAN
WEST STAGE 3
Spring Street Bike and
Pedestrian Improvements

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	19-0305
CORRECTED:	DATE:	
VERIFIED:	DATE:	

THIS SHEET IS AN ALTERANTE STAGING PLAN FOR CONSTRUCTION ON THE WEST SIDE OF US 19/SR 9/SPRING STREET. THIS ALTERNATE STAGING PLAN IS ONLY TO BE USED AS NECESSARY WHEN THE ADDITIONAL LANE CLOSURE IS NECESSARY. THIS ALTERNATE STAGING PLAN IS ONLY PERMITTED TO BE USED ON WEEKENDS OR FOR OVERNIGHT CONSTRUCTION ACTIVITIES (FROM 9PM-5AM). THE USE OF THIS ALTERNATE STAGING PLAN MUST BE COORDINATED WITH THE 1405 SPRING STREET DEVELOPMENT CONTRACTOR, GDOT AND GEORGIA POWER A MINIMUM OF 2 WEEKS IN ADVANCE OF NECESSARY CONSTRUCTION ACTIVITIES.

JPX WORKS (1405 SPRING STREET DEVELOPMENT) CONTACT:
 JOSHUA HERNDON
 JH@JPXWORKS.COM
 (770) 861-2012

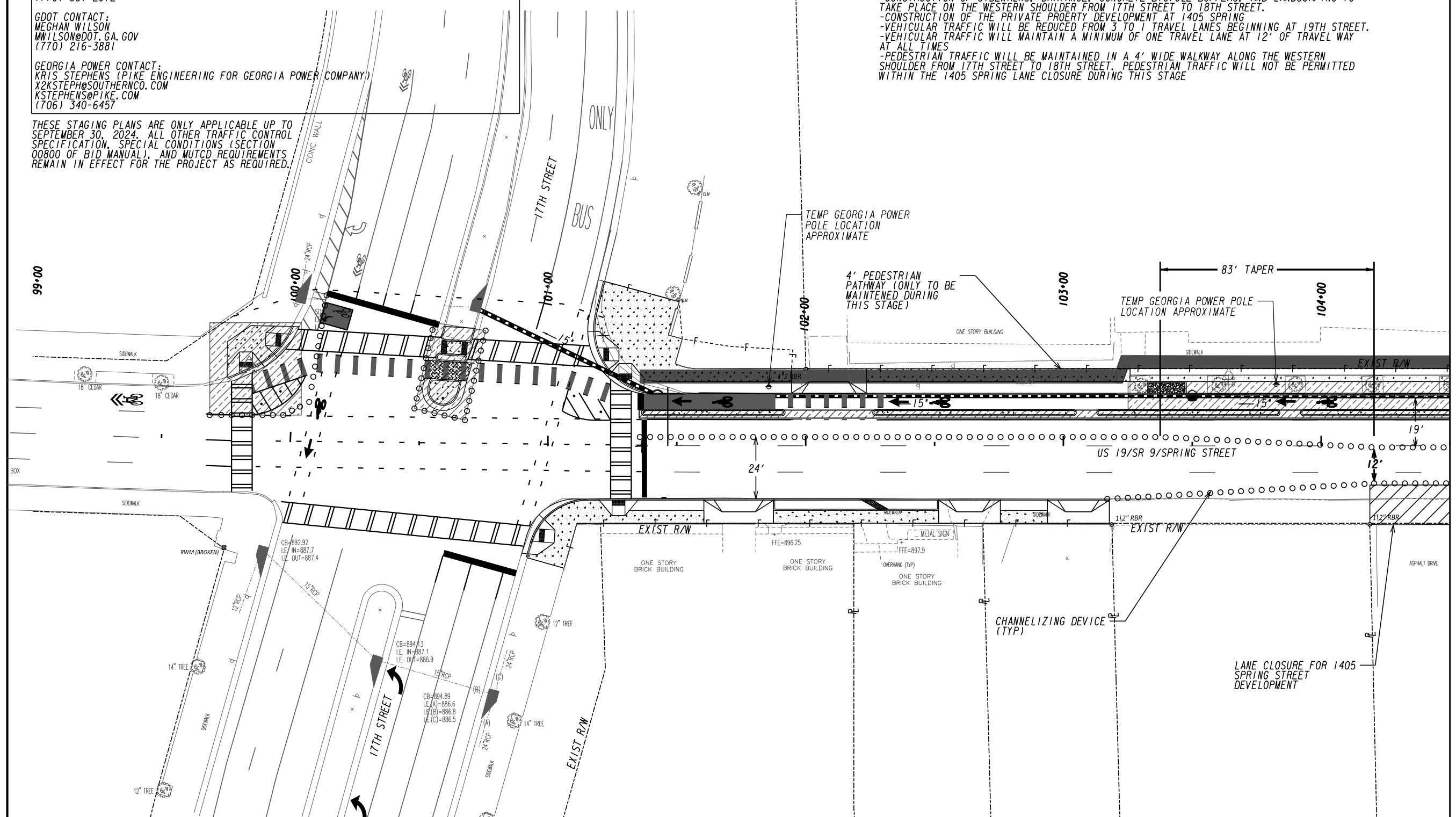
GDOT CONTACT:
 MEGHAN WILSON
 MWILSON@DOT.GA.GOV
 (770) 216-3881

GEORGIA POWER CONTACT:
 KRIS STEPHENS (PIKE ENGINEERING FOR GEORGIA POWER COMPANY)
 K2KSTEPH@SOUTHERNCO.COM
 KSTEPHENS@PIKE.COM
 (706) 340-6457

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WEST MAINTENANCE OF TRAFFIC ALTERNATE CONSTRUCTION ACTIVITIES AND NOTES:

- CONSTRUCTION OF SIDEWALKS, DRAINAGE, CONCRETE BICYCLE BUFFERS, AND LANDSCAPING TO TAKE PLACE ON THE WESTERN SHOULDER FROM 17TH STREET TO 18TH STREET.
- CONSTRUCTION OF THE PRIVATE PROERTY DEVELOPMENT AT 1405 SPRING
- VEHICULAR TRAFFIC WILL BE REDUCED FROM 3 TO 1 TRAVEL LANES BEGINNING AT 19TH STREET.
- VEHICULAR TRAFFIC WILL MAINTAIN A MINIMUM OF ONE TRAVEL LANE AT 12' OF TRAVEL WAY AT ALL TIMES
- PEDESTRIAN TRAFFIC WILL BE MAINTAINED IN A 4' WIDE WALKWAY ALONG THE WESTERN SHOULDER FROM 17TH STREET TO 18TH STREET. PEDESTRIAN TRAFFIC WILL NOT BE PERMITTED WITHIN THE 1405 SPRING LANE CLOSURE DURING THIS STAGE

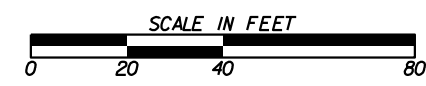


DRAWING No. 19-0302

MATCH LINE STA. 104+50

- CONSTRUCTION THIS STAGE
- TRAFFIC THIS STAGE
- CHANNELIZING DEVICE
- LANE CLOSURE

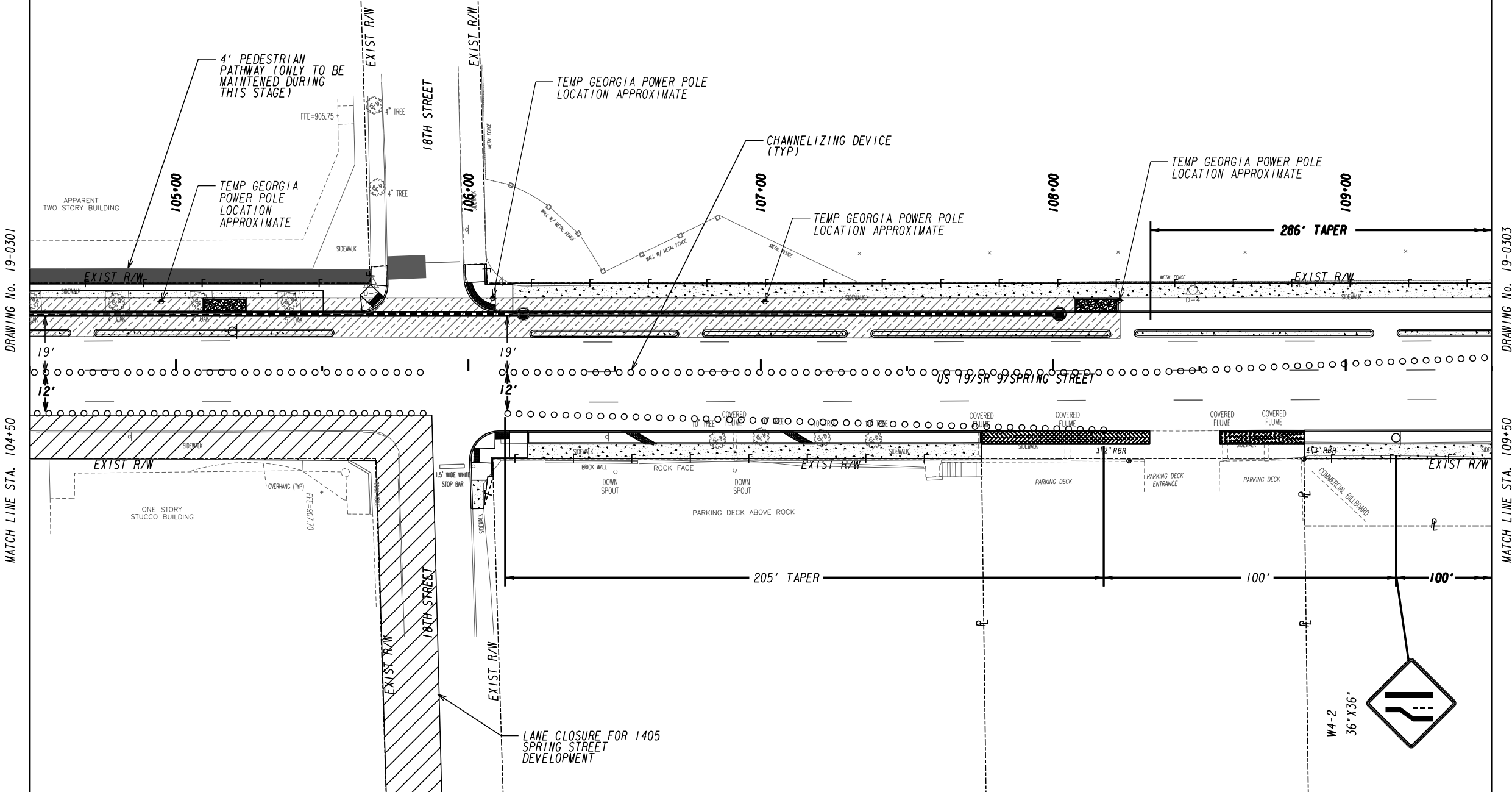
Kimley»Horn
 Engineering, Planning, and Environmental Consultants
 Suite 601, 817 West Peachtree Street, NW
 Atlanta, GA 30308



REVISION DATES		DRAWING No.	
CHECKED:	DATE:	19-0301A	
BACKCHECKED:	DATE:		
CORRECTED:	DATE:		
VERIFIED:	DATE:		

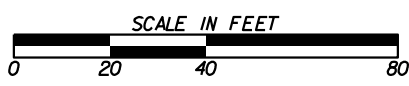
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 JPX WORKS (1405 SPRING STREET DEVELOPMENT) CONTACT:
 JOSHUA HERNDON
 JH@JPXWORKS.COM
 (770) 861-2012
 GDOT CONTACT:
 MEGHAN WILSON
 MWILSON@DOT.GA.GOV
 (770) 216-3881
 GEORGIA POWER CONTACT:
 KRIS STEPHENS (PIKE ENGINEERING FOR GEORGIA POWER COMPANY)
 X2KSTEPH@SOUTHERNCO.COM
 KSTEPHENS@PIKE.COM
 (706) 340-6457



- CONSTRUCTION THIS STAGE
- TRAFFIC THIS STAGE
- CHANNELIZING DEVICE
- LANE CLOSURE

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



REVISION DATES		CONSTRUCTION STAGING PLAN WEST STAGE 3 - ALTERNATE Spring Street Bike and Pedestrian Improvements	
CHECKED:	DATE:	CHECKED:	DATE:
BACKCHECKED:	DATE:	BACKCHECKED:	DATE:
CORRECTED:	DATE:	CORRECTED:	DATE:
VERIFIED:	DATE:	VERIFIED:	DATE:

DRAWING No.
19-0302A

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 JH@JPXWORKS.COM
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 KSTEPHENS@PIKE.COM
 (706) 340-6457

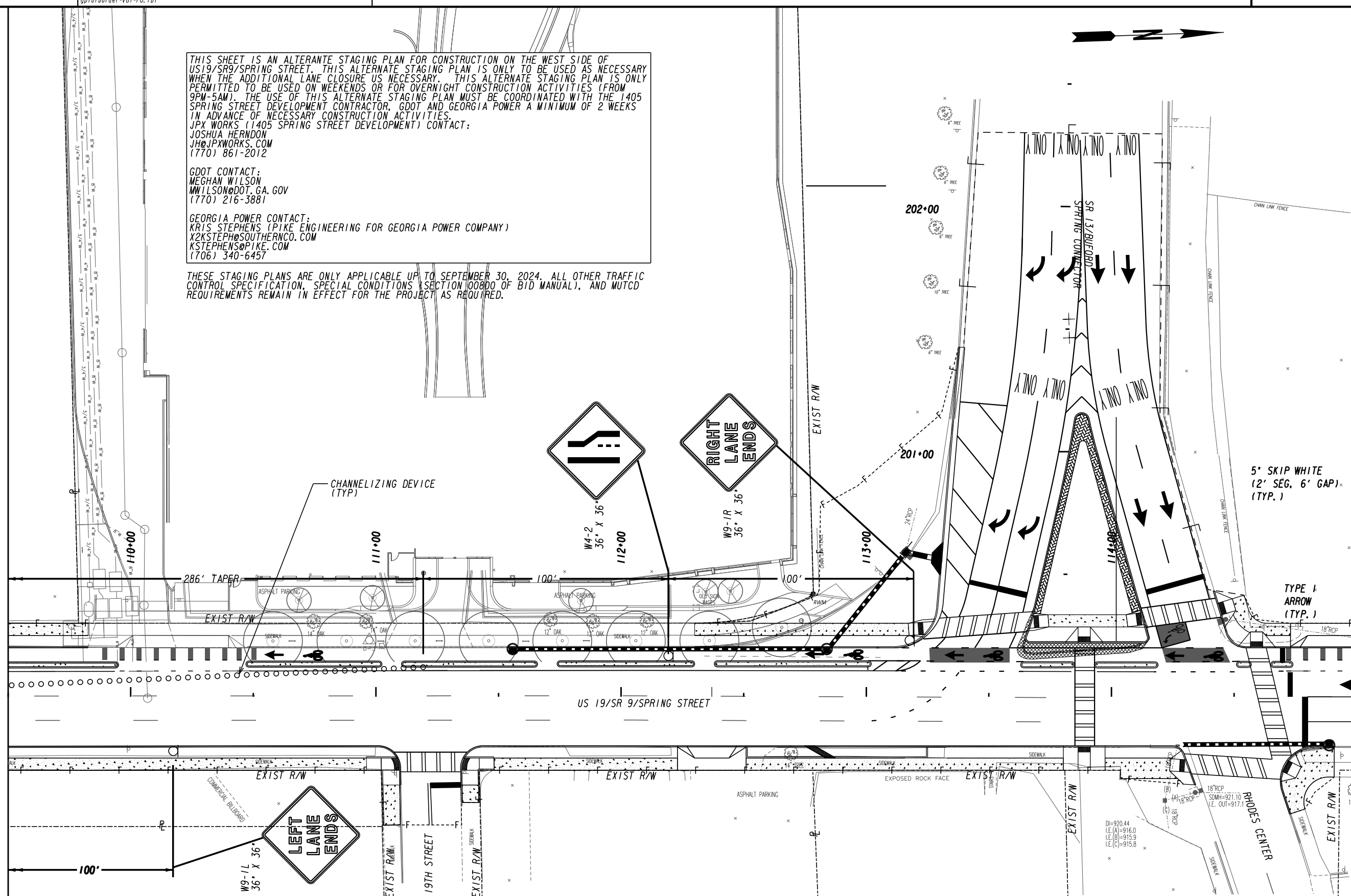
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



DRAWING No. 19-0302

MATCH LINE STA. 109+50

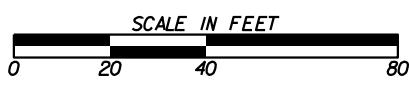
DRAWING No. 19-0304

MATCH LINE STA. 115+00



-  CONSTRUCTION THIS STAGE
-  TRAFFIC THIS STAGE
-  CHANNELIZING DEVICE
-  LANE CLOSURE

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



REVISION DATES

CONSTRUCTION STAGING PLAN		WEST STAGE 3 - ALTERNATE		Spring Street Bike and Pedestrian Improvements	
CHECKED:	DATE:	DRAWING No.		19-0303A	
BACKCHECKED:	DATE:				
CORRECTED:	DATE:				
VERIFIED:	DATE:				

NO ACTIVE CONSTRUCTION ON THIS SHEET

THIS SHEET IS AN ALTERNATE STAGING PLAN FOR CONSTRUCTION ON THE WEST SIDE OF US19/SR9/SPRING STREET. THIS ALTERNATE STAGING PLAN IS ONLY TO BE USED AS NECESSARY WHEN THE ADDITIONAL LANE CLOSURE IS NECESSARY. THIS ALTERNATE STAGING PLAN IS ONLY PERMITTED TO BE USED ON WEEKENDS OR FOR OVERNIGHT CONSTRUCTION ACTIVITIES (FROM 9PM-5AM). THE USE OF THIS ALTERNATE STAGING PLAN MUST BE COORDINATED WITH THE 1405 SPRING STREET DEVELOPMENT CONTRACTOR, GDOT AND GEORGIA POWER A MINIMUM OF 2 WEEKS IN ADVANCE OF NECESSARY CONSTRUCTION ACTIVITIES.

JPX WORKS (1405 SPRING STREET DEVELOPMENT) CONTACT:
 JOSHUA HERNDON
 JH@JPXWORKS.COM
 (770) 861-2012

GDOT CONTACT:
 MEGHAN WILSON
 MWILSON@DOT.GA.GOV
 (770) 216-3881

GEORGIA POWER CONTACT:
 KRIS STEPHENS (PIKE ENGINEERING FOR GEORGIA POWER COMPANY)
 X2KSTEPH@SOUTHERNCO.COM
 KSTEPHENS@PIKE.COM
 (706) 340-6457

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DO NOT DISTURB
 EXIST. FENCE

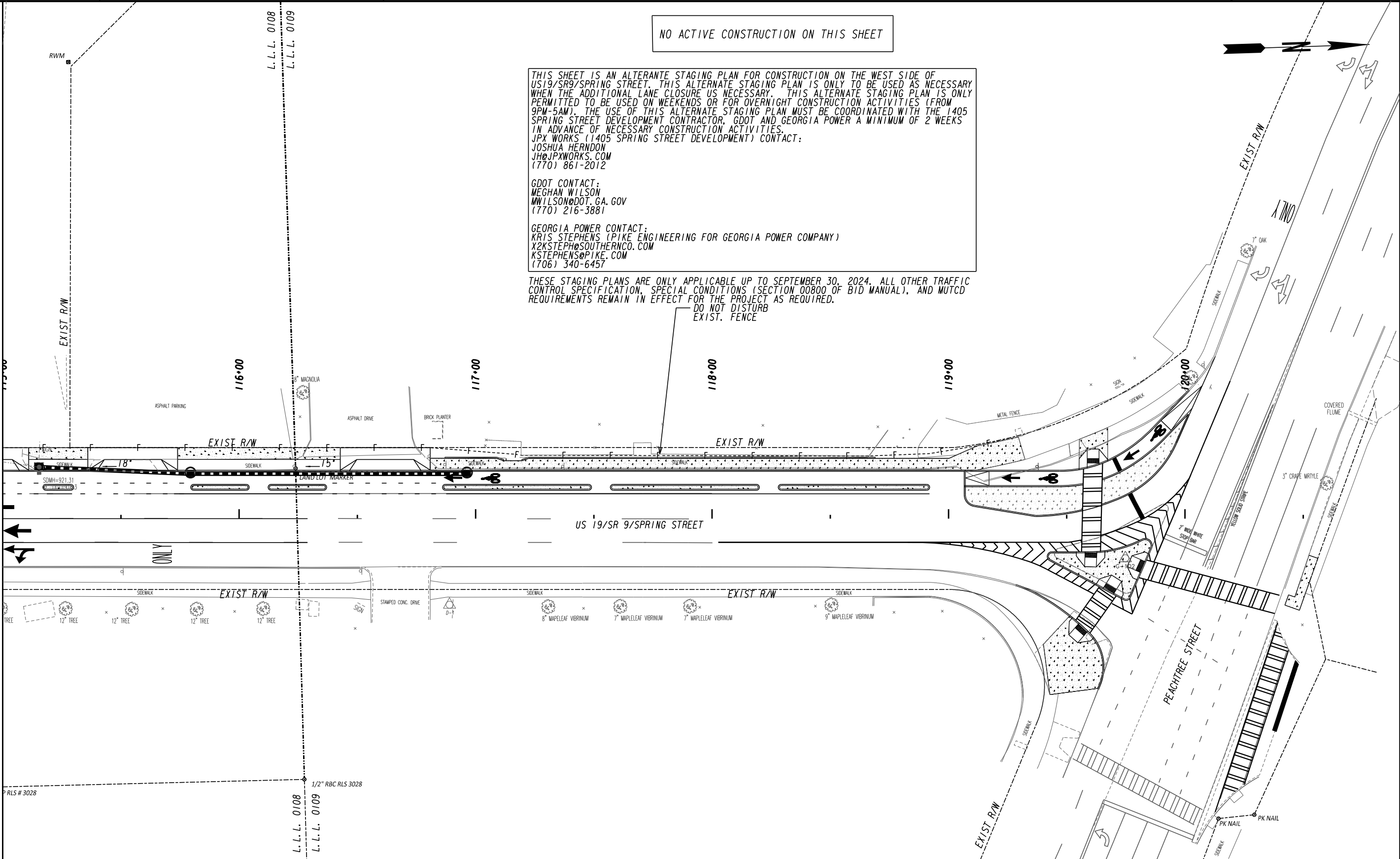
DRAWING No. 19-0303





MATCH LINE STA. 115+00

PLS # 3028

L.L.L. 0108
L.L.L. 0109

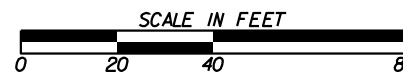
L.L.L. 0108
L.L.L. 0109



-  CONSTRUCTION THIS STAGE
-  TRAFFIC THIS STAGE
-  CHANNELIZING DEVICE
-  LANE CLOSURE

Kimley»Horn

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



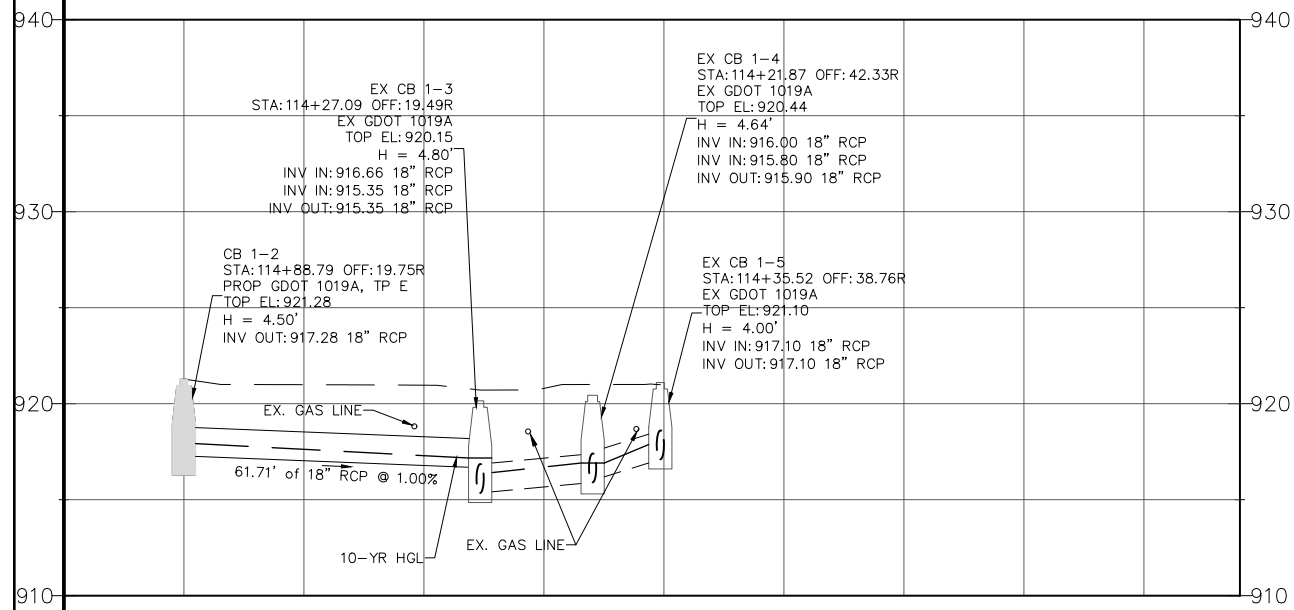
REVISION DATES

NO.	DATE	DESCRIPTION

CONSTRUCTION STAGING PLAN WEST STAGE 3 - ALTERNATE Spring Street Bike and Pedestrian Improvements

CHECKED:	DATE:	DRAWING No. 19-0304A
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	

STORM LINE 1-2 PROFILE



NOTES:

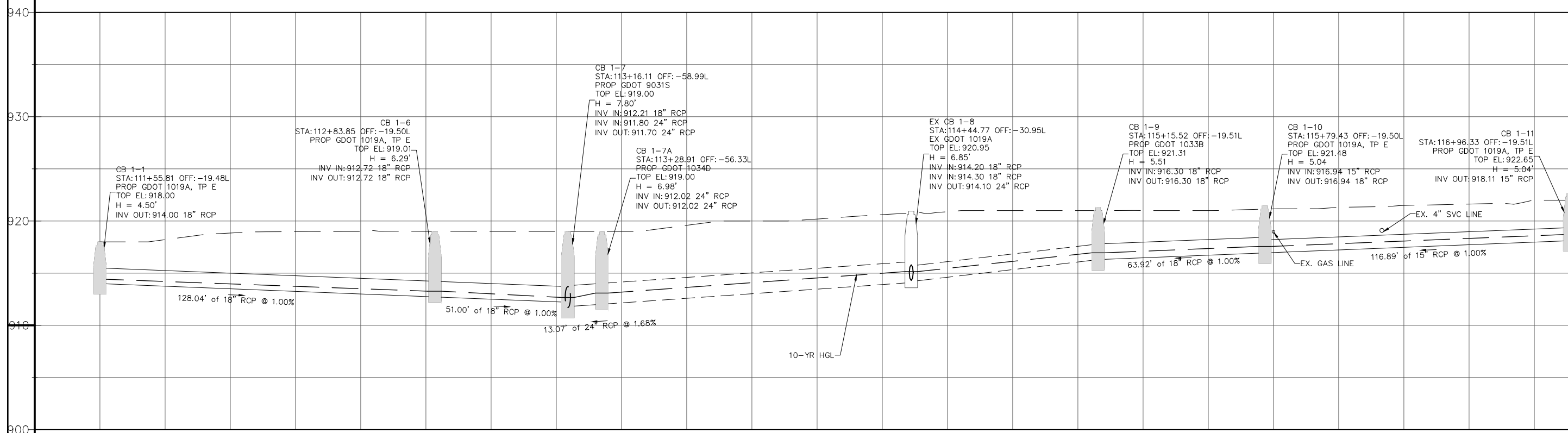
1. THIS PROJECT IS A COMPLETE STREET, BIKE, AND PEDESTRIAN IMPROVEMENT PROJECT WHICH WILL IMPROVE BIKE AND PEDESTRIAN ACCESS TO AND WITHIN THE CORRIDOR. TOTAL IMPERVIOUS AREA FOR THE PROJECT WILL BE REDUCED (WHEN COMPARED TO PRE-DEVELOPMENT CONDITIONS) AND LANDSCAPED AREAS ADDED. STORMWATER DRAINAGE IMPROVEMENTS ARE PROPOSED WHERE FEASIBLE, BUT DUE TO SITE CONSTRAINTS INCLUDING EXISTING UTILITIES AND SHALLOW ROCK, IT IS NOT WITHIN THE SCOPE OF THIS PROJECT, OR PRACTICAL, FOR THE PROPOSED DRAINAGE SYSTEM TO BE DESIGNED TO MEET ALL CITY OF ATLANTA STORMWATER ORDINANCE OR GDOT DRAINAGE, PARTICULARLY GUTTER SPREAD, REQUIREMENTS.

Inlet ID	Area (ac)	Q =CIA (cfs)	Q Carry over (cfs)	Q Capt (cfs)	Q byp (cfs)	Junction Type	Gutter Slope (ft/ft)	Inlet Depth (ft)	Gutter Depth (ft)	Gutter Spread (ft)
CB 1-0	0.11	0.81	0.00	0.81	0.00	Curb	Sag	0.44	0.19	6.44*
CB 1-7A	0.39	1.81	1.37	3.18	0.00	Curb	Sag	0.42	0.17	8.53*
CB 1-8	0.29	2.13	0.00	0.76	1.37	Curb	0.01	0.44	0.19	9.58*
CB 1-3	0.06	0.44	1.98	0.82	1.61	Curb	0.01	0.45	0.20	10.05*
CB 1-4	0.53	3.90	1.86	5.76	0.00	Dp-Grate	Sag	0.33	0.33	35.25*
CB 1-5	0.37	2.72	0.00	0.86	1.86	Curb	0.01	0.46	0.21	10.50*
CB 1-2	0.39	2.87	0.00	0.89	1.98	Curb	0.01	0.46	0.21	10.71*
CB 1-9	0.04	0.28	0.00	0.28	0.00	Curb	0.01	0.34	0.09	4.49
CB 1-10	0.08	0.56	0.00	0.56	0.00	Curb	0.01	0.37	0.12	5.79
CB 1-11	0.32	2.23	0.00	2.23	0.00	Curb	0.01	0.44	0.19	9.74*
CB 1-6	0.19	1.03	0.62	0.67	0.98	Curb	0.01	0.42	0.17	8.70*
CB 1-1	0.17	1.18	0.00	0.57	0.62	Curb	0.01	0.40	0.15	7.69*

*SEE NOTE 1

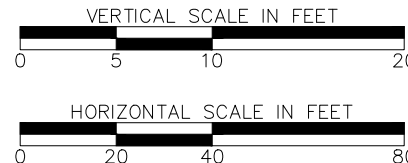
STORM LINE 1 PROFILE

Inlet ID	Area (ac)	Q =CIA (cfs)	Q Carry over (cfs)	Q Capt (cfs)	Q byp (cfs)	Junction Type	Gutter Slope (ft/ft)	Inlet Depth (ft)	Gutter Depth (ft)	Gutter Spread (ft)
CB 1-7	0.51	1.2	1.42	2.62	0	Comb.	Sag	0.4	0.15	7.49
CB 1-8	0.29	2.13	0.06	0.78	1.42	Curb	0.01	0.44	0.19	9.68
CB 1-3	0.45	3.13	0	1.09	2.04	Grate	0.01	0.47	0.22	11.06
CB 1-4	0.53	3.9	1.86	5.76	0	Dp-Grate	Sag	0.33	0.33	35.25
CB 1-5	0.37	2.72	0	0.86	1.86	Comb.	0.01	0.46	0.21	10.5
CB 1-9	0.44	3.07	0	3	0.06	Comb.	0.01	0.47	0.22	10.98



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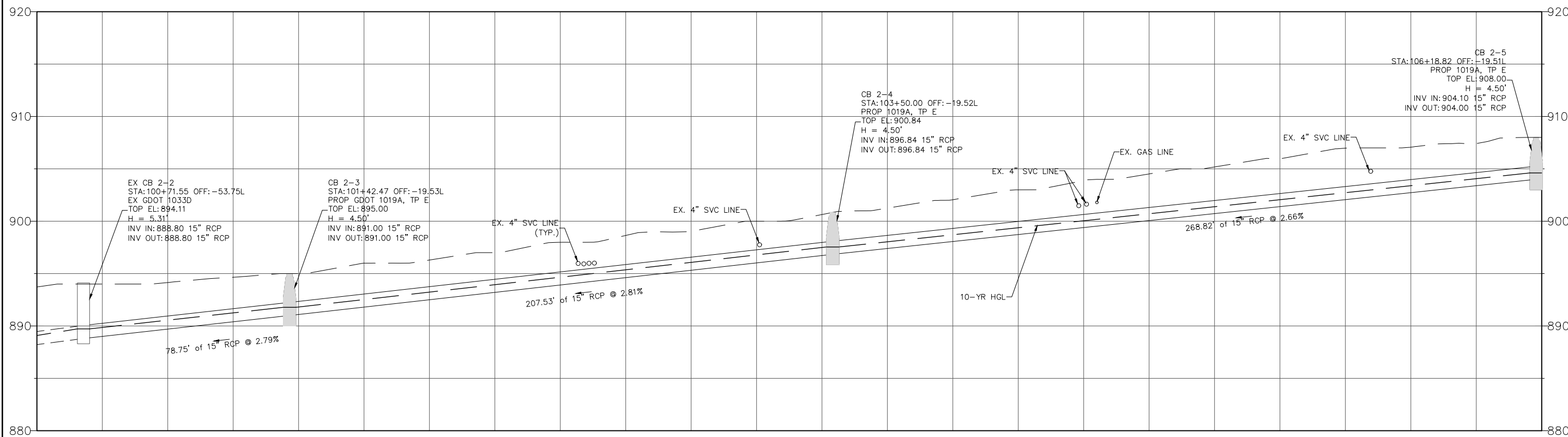


NO.	DATE	DESCRIPTION

DRAINAGE PROFILES
Spring Street Bike and Pedestrian Improvements

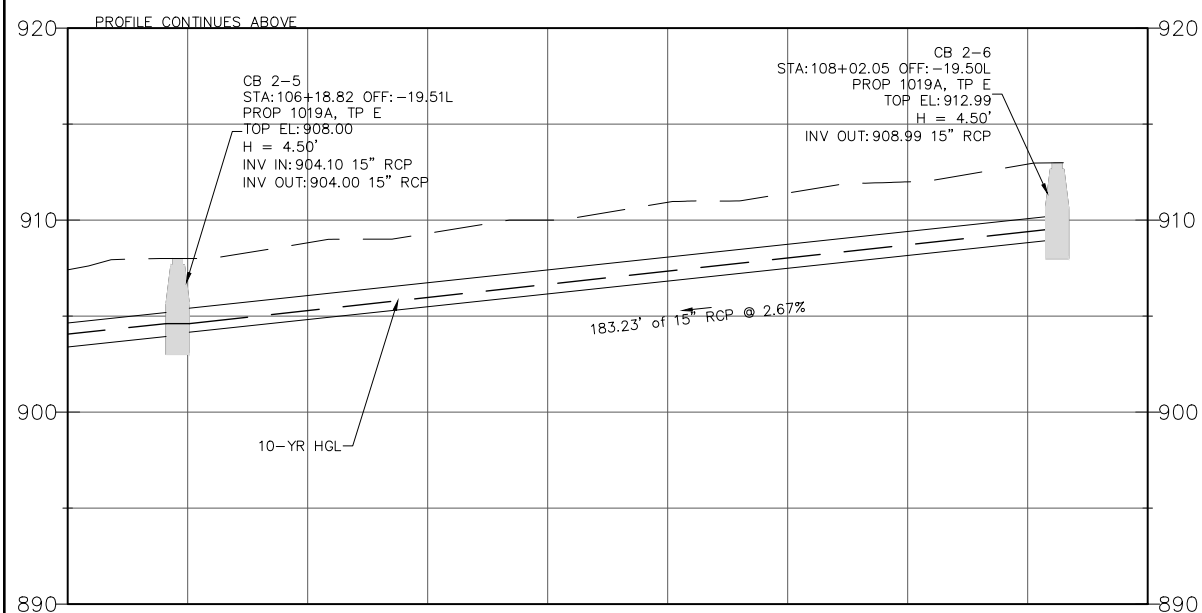
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BACKCHECKED:	DATE:	22-0001
CORRECTED:	DATE:	
VERIFIED:	DATE:	

STORM LINE 2 PROFILE



STORM LINE 2 PROFILE

PROFILE CONTINUES BELOW



Proposed 10-Year Rain Event Gutter Analysis										
Inlet ID	Area (ac)	Q =CIA (cfs)	Q Carry over (cfs)	Q Capt (cfs)	Q byp (cfs)	Junction Type	Gutter Slope (ft/ft)	Inlet Depth (ft)	Gutter Depth (ft)	Gutter Spread (ft)
CB 2-2	0.27	1.78	0.00	1.76	0.02	Curb	0.03	0.40	0.15	7.28*
CB 2-3	0.14	0.92	0.00	0.92	0.00	Curb	0.03	0.36	0.11	5.66
CB 2-4	0.15	0.99	0.00	0.99	0.00	Curb	0.03	0.37	0.12	5.81
CB 2-5	0.13	0.86	0.00	0.86	0.00	Curb	0.03	0.36	0.11	5.51
CB 2-6	0.25	1.64	0.00	1.64	0.00	Curb	0.03	0.39	0.14	7.03*

*SEE NOTE 1

NOTES:

- THIS PROJECT IS A COMPLETE STREET, BIKE, AND PEDESTRIAN IMPROVEMENT PROJECT WHICH WILL IMPROVE BIKE AND PEDESTRIAN ACCESS TO AND WITHIN THE CORRIDOR. TOTAL IMPERVIOUS AREA FOR THE PROJECT WILL BE REDUCED (WHEN COMPARED TO PRE-DEVELOPMENT CONDITIONS) AND LANDSCAPED AREAS ADDED. STORMWATER DRAINAGE IMPROVEMENTS ARE PROPOSED WHERE FEASIBLE, BUT DUE TO SITE CONSTRAINTS INCLUDING EXISTING UTILITIES AND SHALLOW ROCK, IT IS NOT WITHIN THE SCOPE OF THIS PROJECT, OR PRACTICAL, FOR THE PROPOSED DRAINAGE SYSTEM TO BE DESIGNED TO MEET ALL CITY OF ATLANTA STORMWATER ORDINANCE OR GDOT DRAINAGE, PARTICULARLY GUTTER SPREAD, REQUIREMENTS.

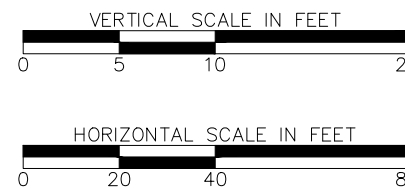
Existing 10-Year Rain Event Gutter Analysis										
Inlet ID	Area (ac)	Q =CIA (cfs)	Q Carry over (cfs)	Q Capt (cfs)	Q byp (cfs)	Junction Type	Gutter Slope (ft/ft)	Inlet Depth (ft)	Gutter Depth (ft)	Gutter Spread (ft)
CB 2-2	1.3	5.35	0	3.84	1.52	Curb	0.03	0.47	0.22	11.01



580 W Crossville Road,
Suite 101
Roswell, Ga 30075
PHONE: (770) 569-7038
WWW.R2TINC.COM
GEORGIA COA
R2T, INC
LICENSE NO. PEF004853
EXPIRATION DATE:
6/30/2022
© 2022 R2T INC.



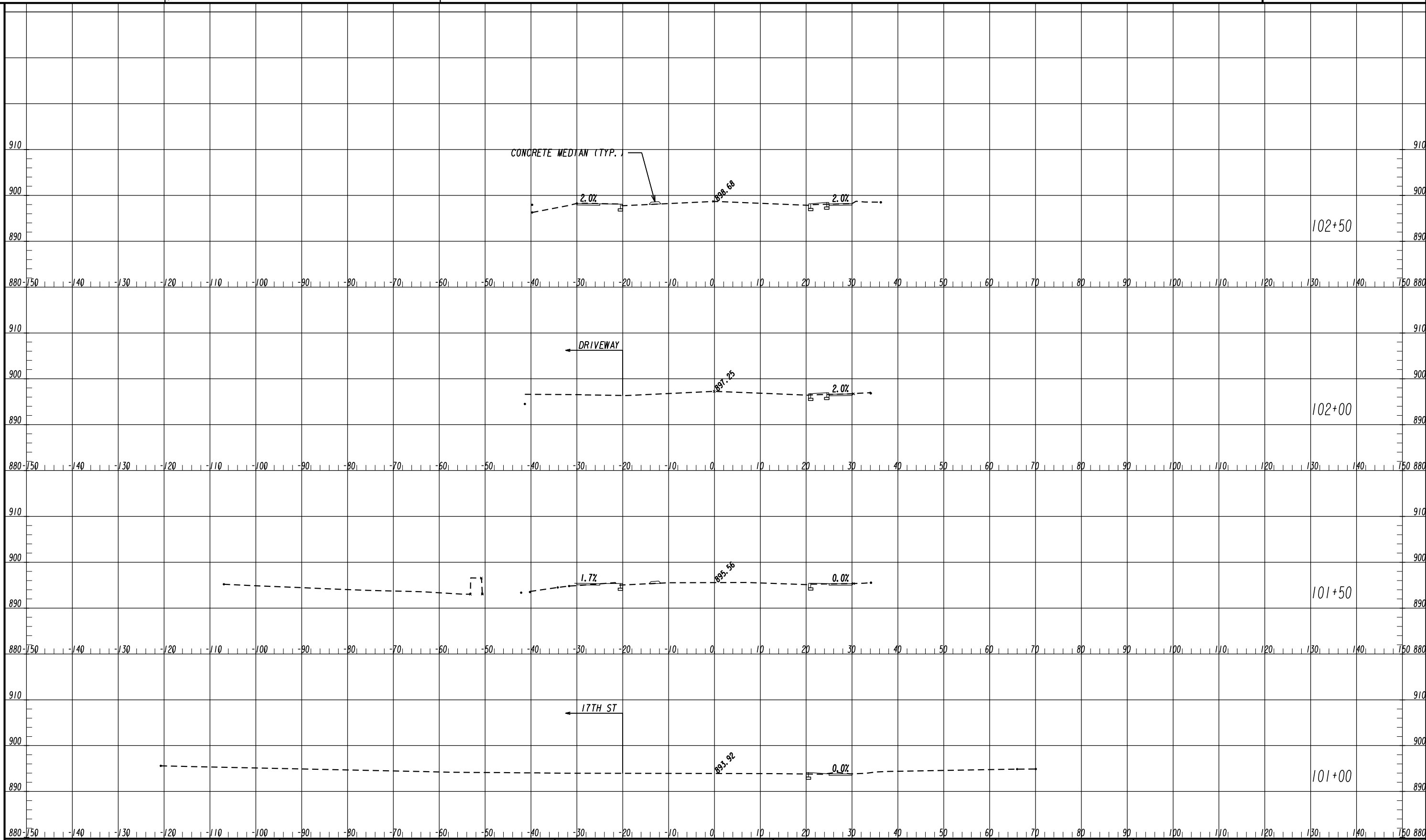
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Suite 601,817 West Peachtree Street, NW
Atlanta, GA 30308



REVISION DATES

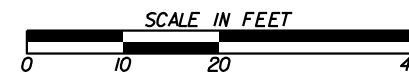
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CORRECTED:	DATE:	
VERIFIED:	DATE:	

DRAINAGE PROFILES
Spring Street Bike and
Pedestrian Improvements



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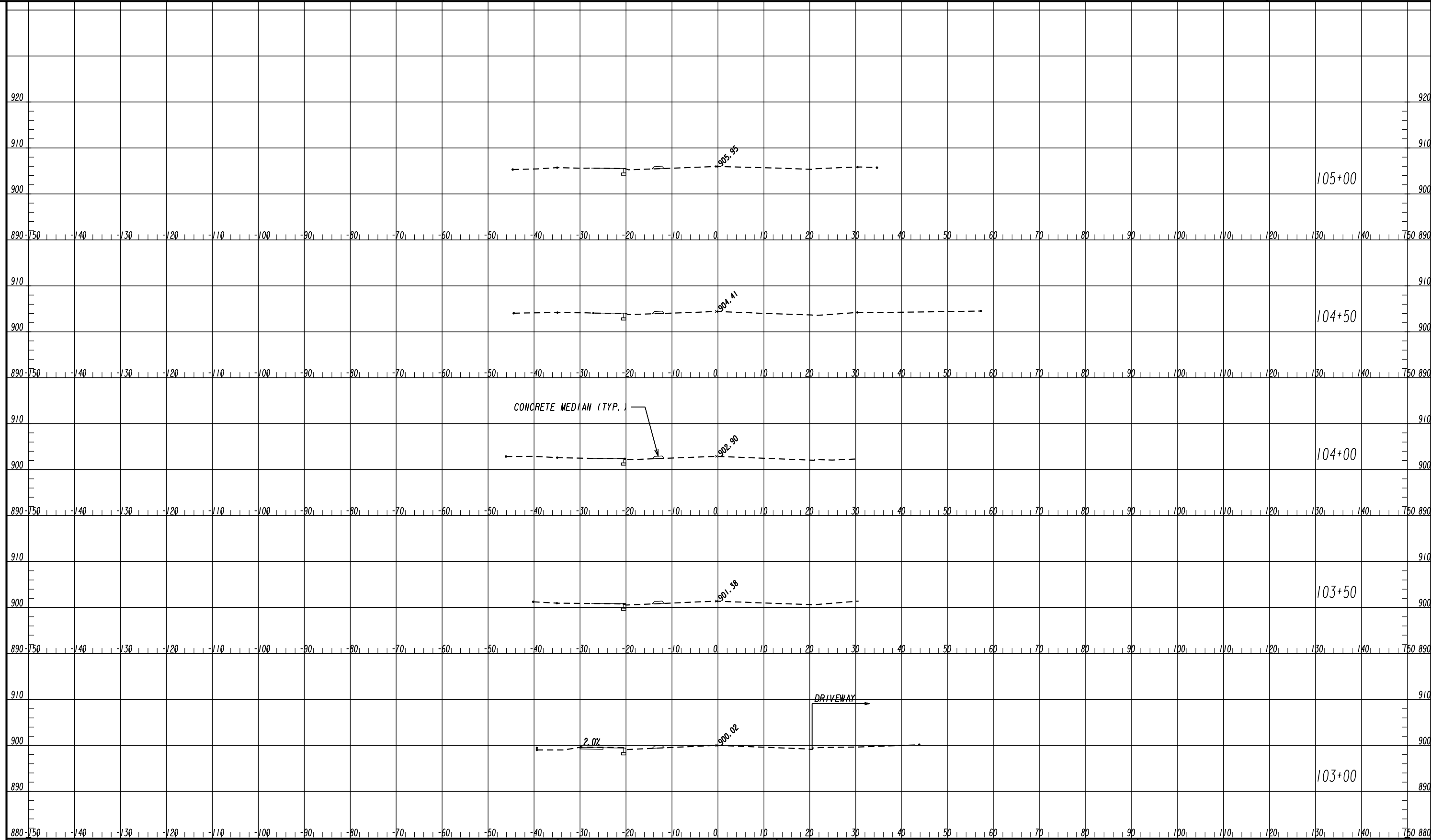
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CROSS SECTIONS

Spring Street Bike and Pedestrian Improvements

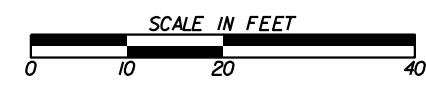
US 19/SR 9/Spring Street

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CORRECTED:	DATE:	
VERIFIED:	DATE:	



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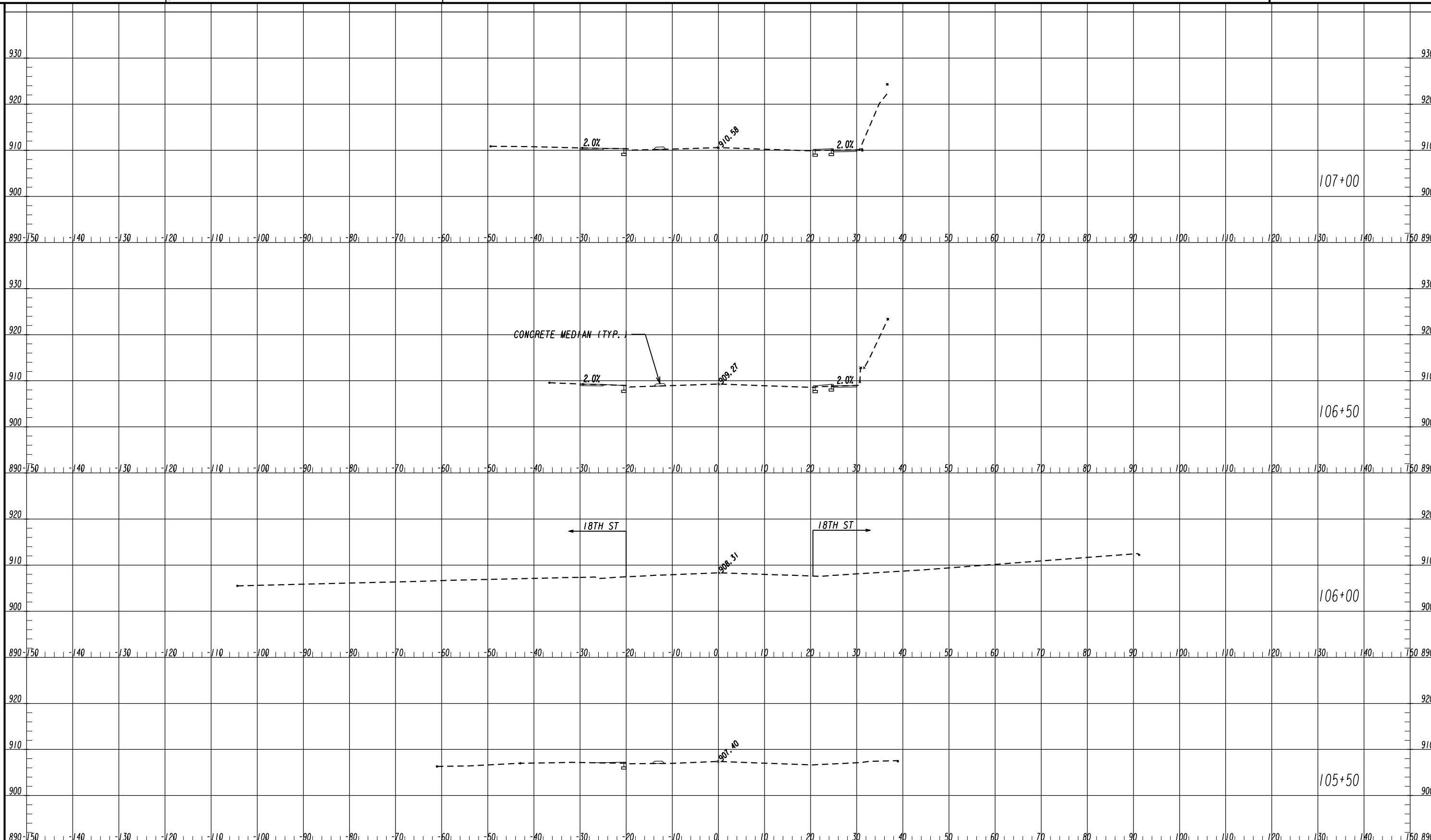
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Spring Street Bike and Pedestrian Improvements

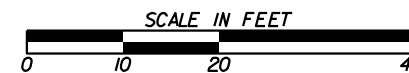
US 19/SR 9/Spring Street

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BACKCHECKED:	DATE:	23-0002
CORRECTED:	DATE:	
VERIFIED:	DATE:	



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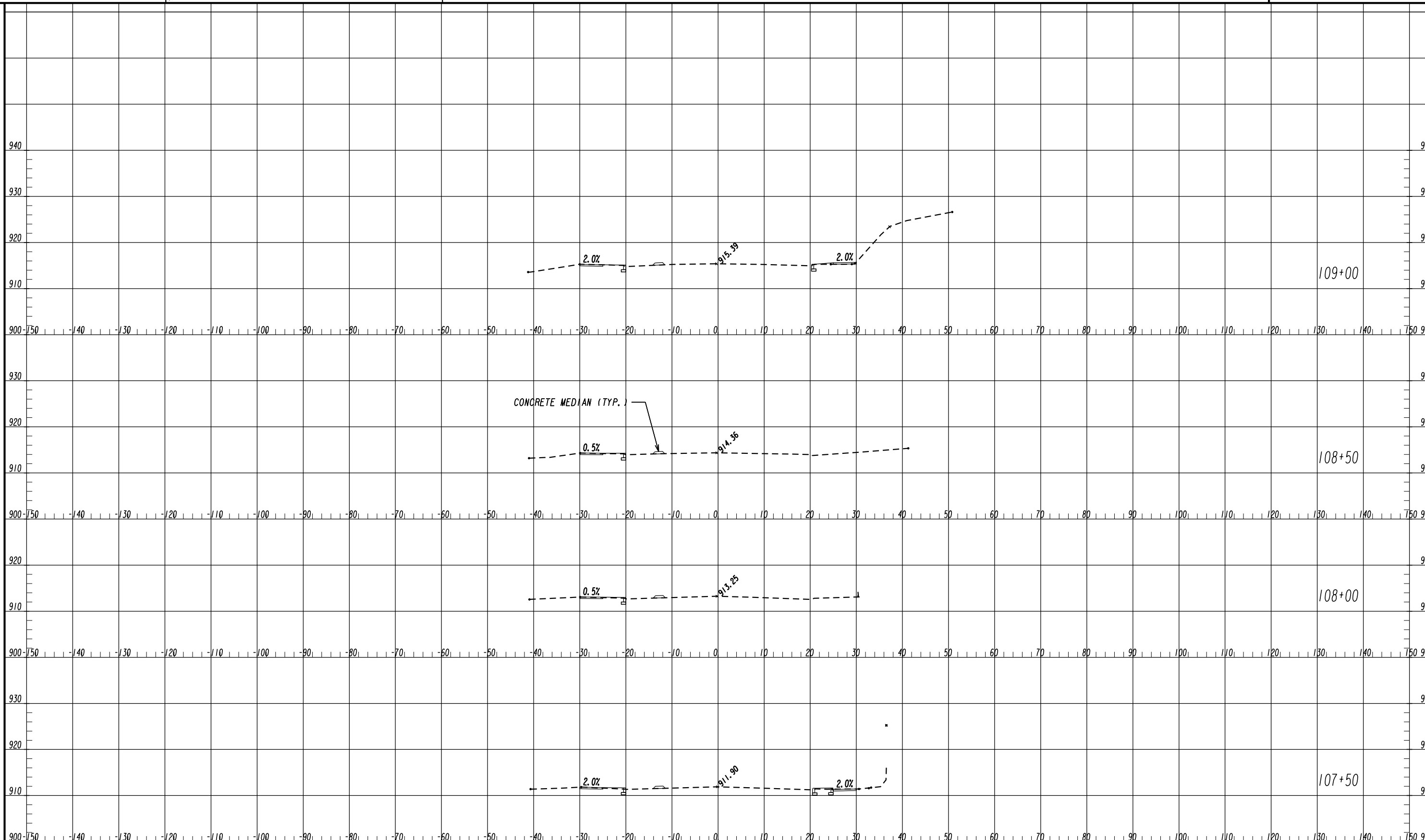
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REVISION DATES

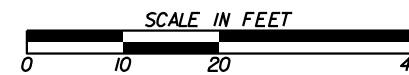
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Spring Street Bike and
Pedestrian Improvements
US 19/SR 9/Spring Street

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VERIFIED:	DATE:	



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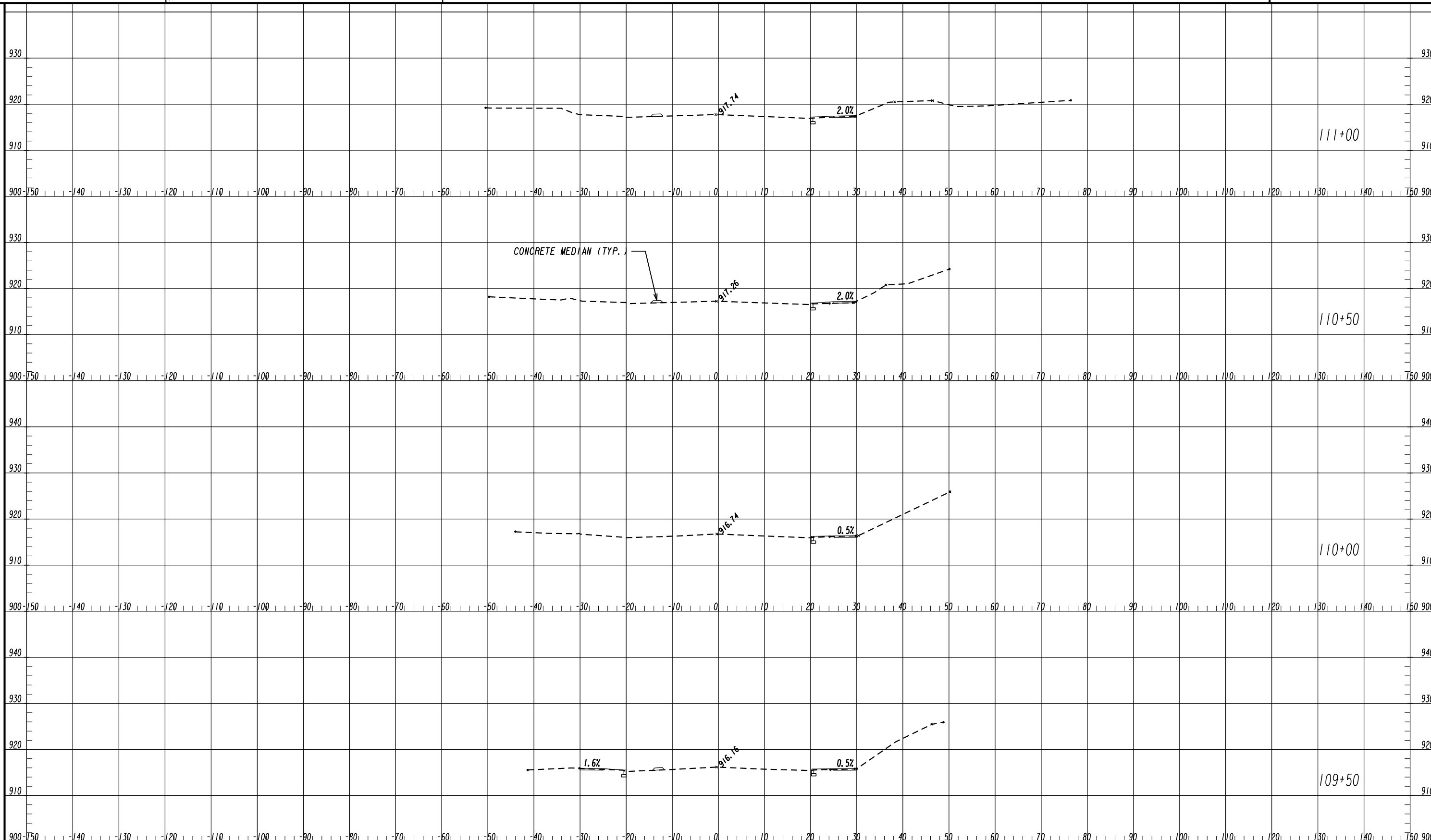
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Spring Street Bike and Pedestrian Improvements

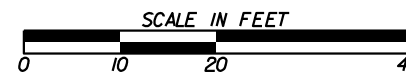
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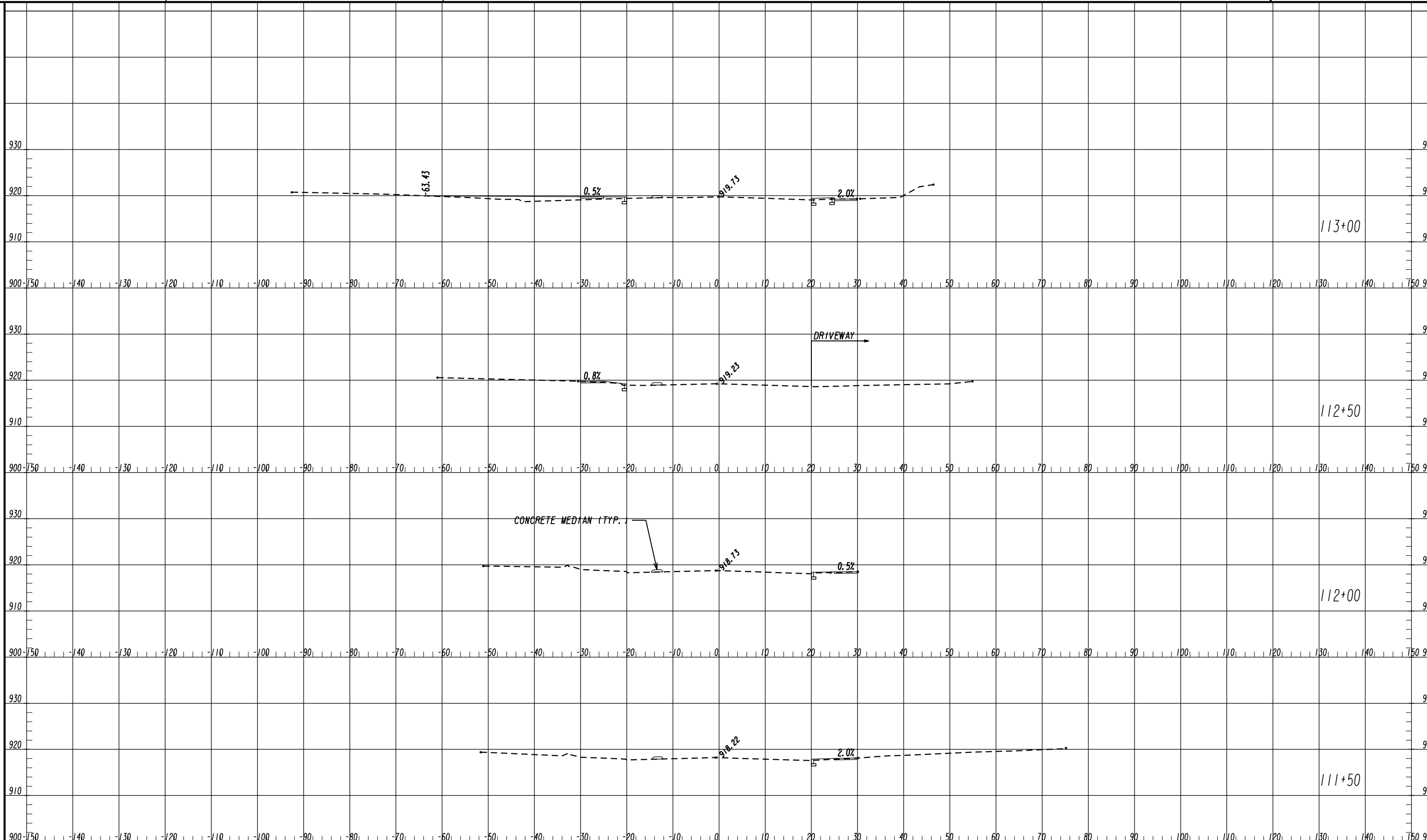
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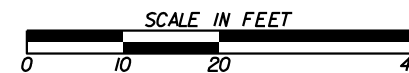
CROSS SECTIONS
Spring Street Bike and
Pedestrian Improvements
US 19/SR 9/Spring Street

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BACKCHECKED:	DATE:	23-0005
CORRECTED:	DATE:	
VERIFIED:	DATE:	



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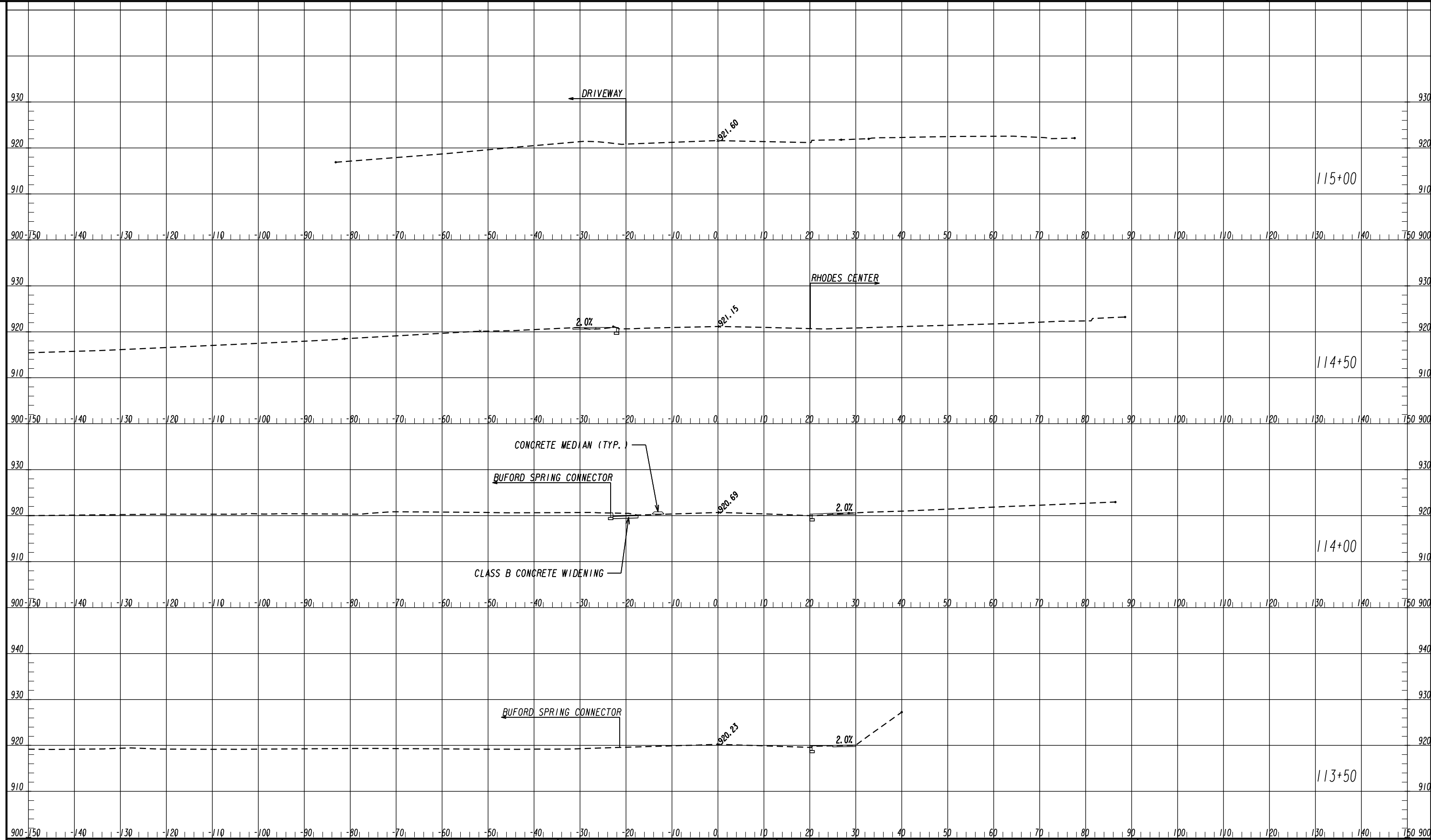
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CROSS SECTIONS

Spring Street Bike and Pedestrian Improvements
US 19/SR 9/Spring Street

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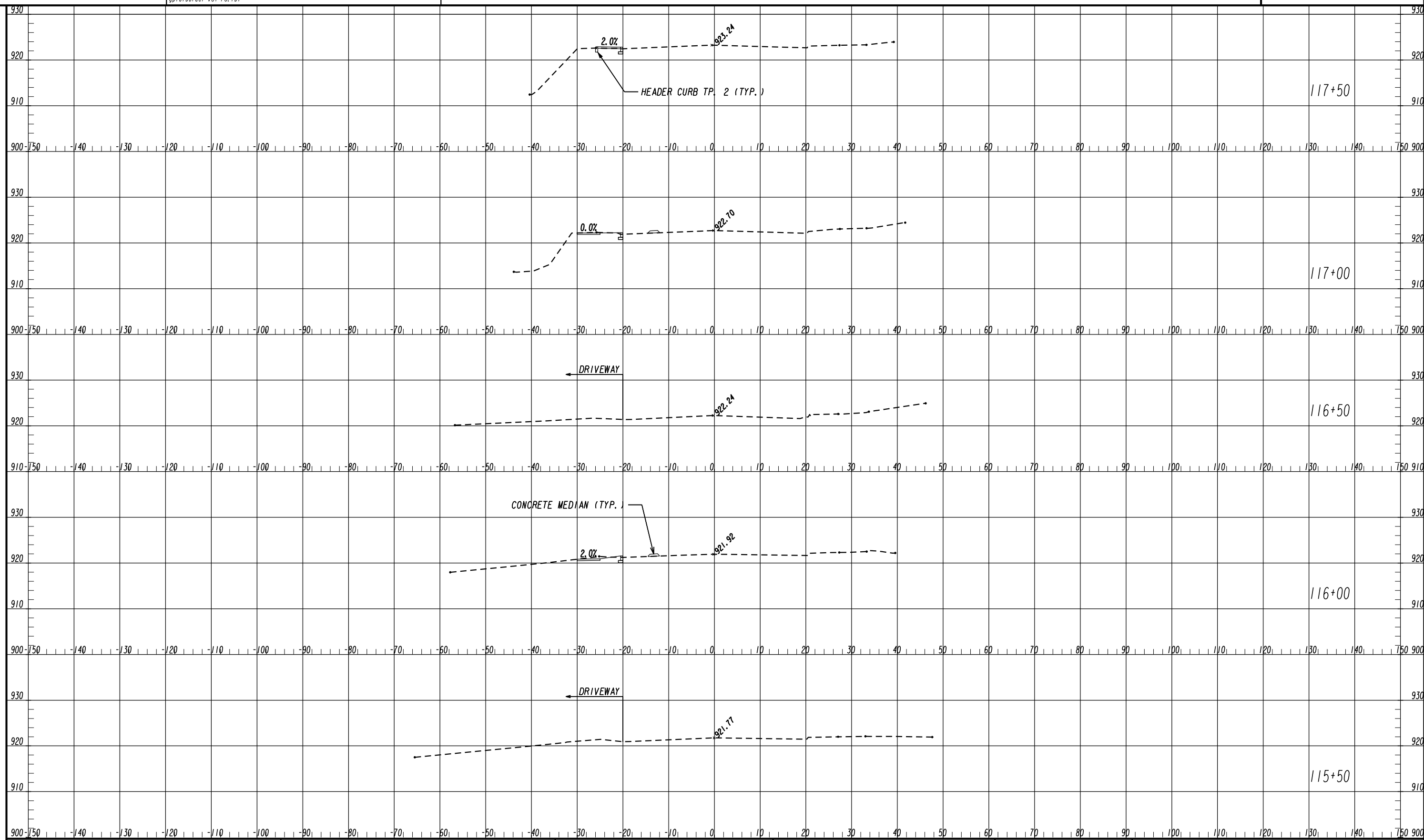
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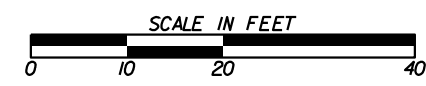
Spring Street Bike and Pedestrian Improvements
US 19/SR 9/Spring Street

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CORRECTED:	DATE:	
VERIFIED:	DATE:	



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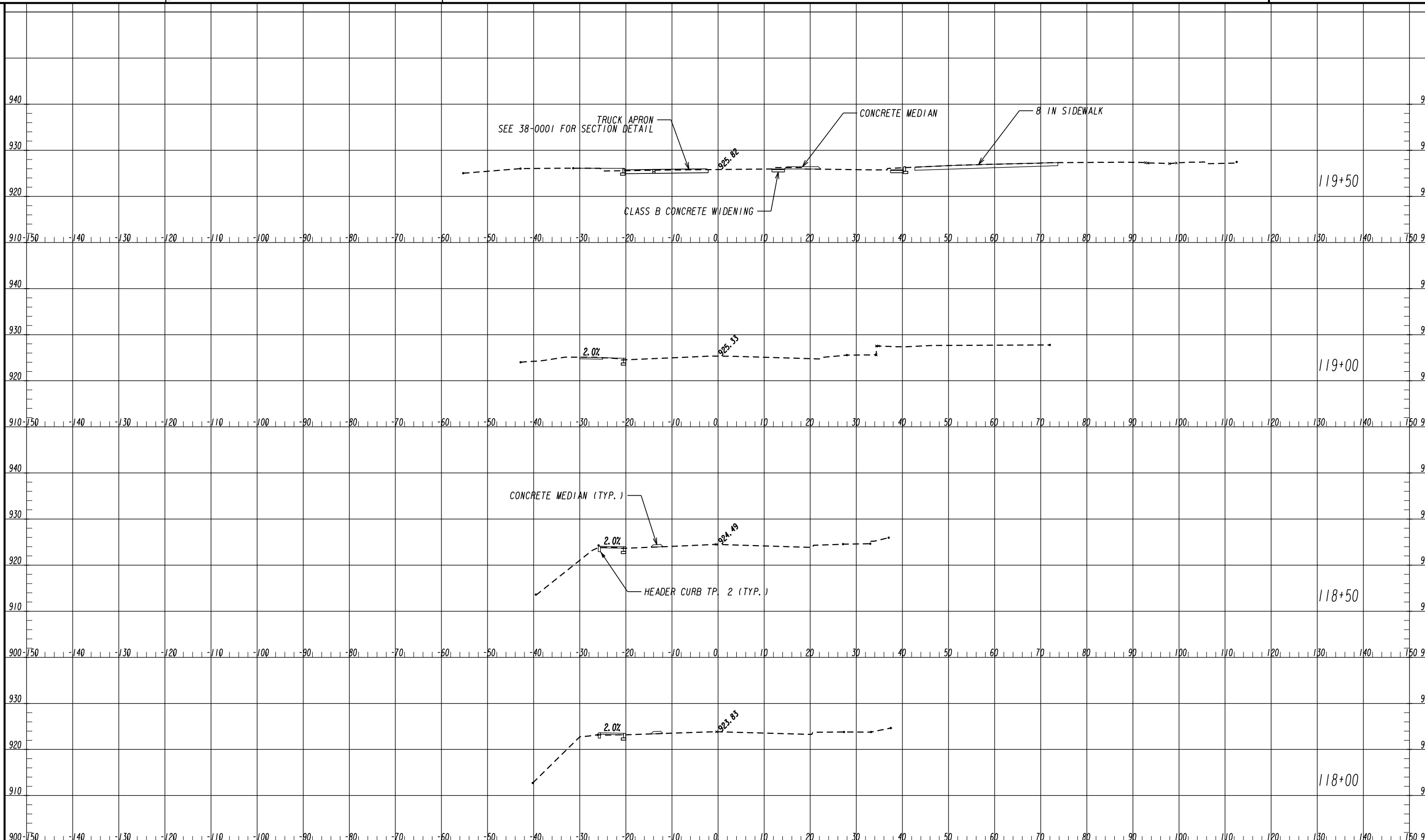
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CROSS SECTIONS

Spring Street Bike and Pedestrian Improvements

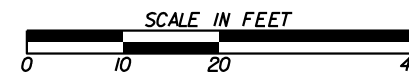
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VERIFIED:	DATE:	



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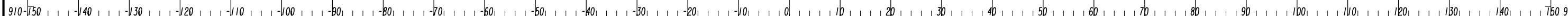
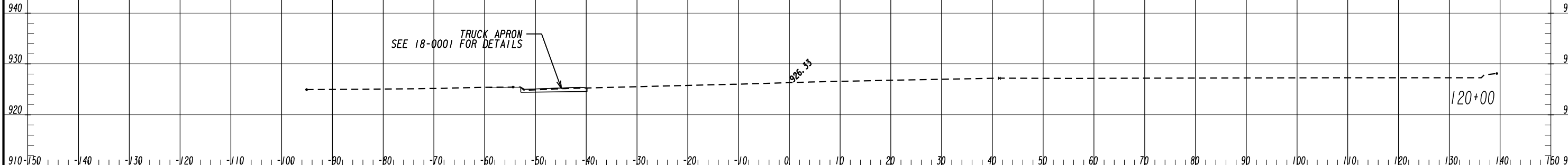
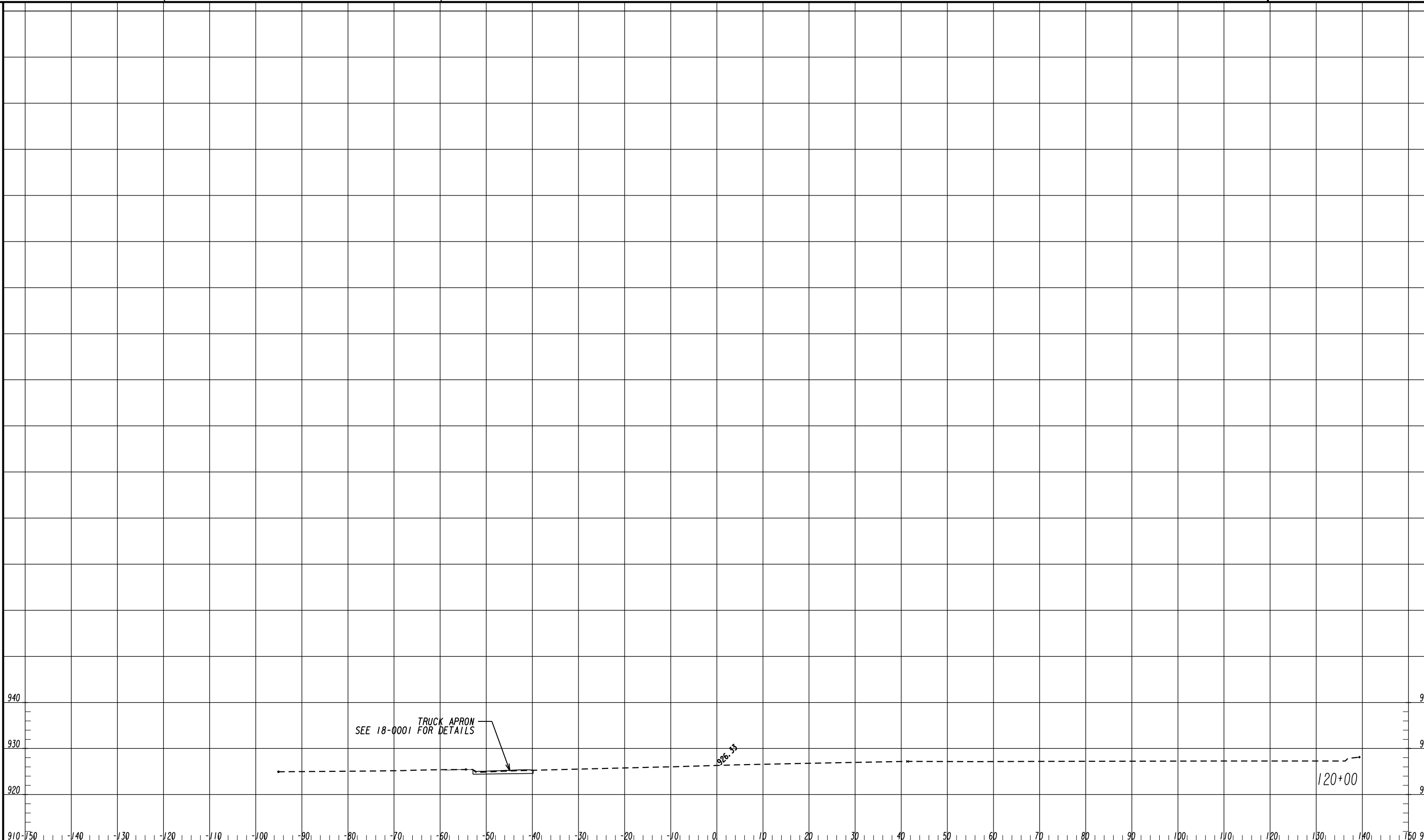
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REVISION DATES

CROSS SECTIONS
Spring Street Bike and
Pedestrian Improvements
US 19/SR 9/Spring Street

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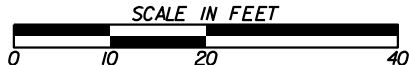
TRUCK APRON
SEE 18-0001 FOR DETAILS

926.58

120+00

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REVISION DATES

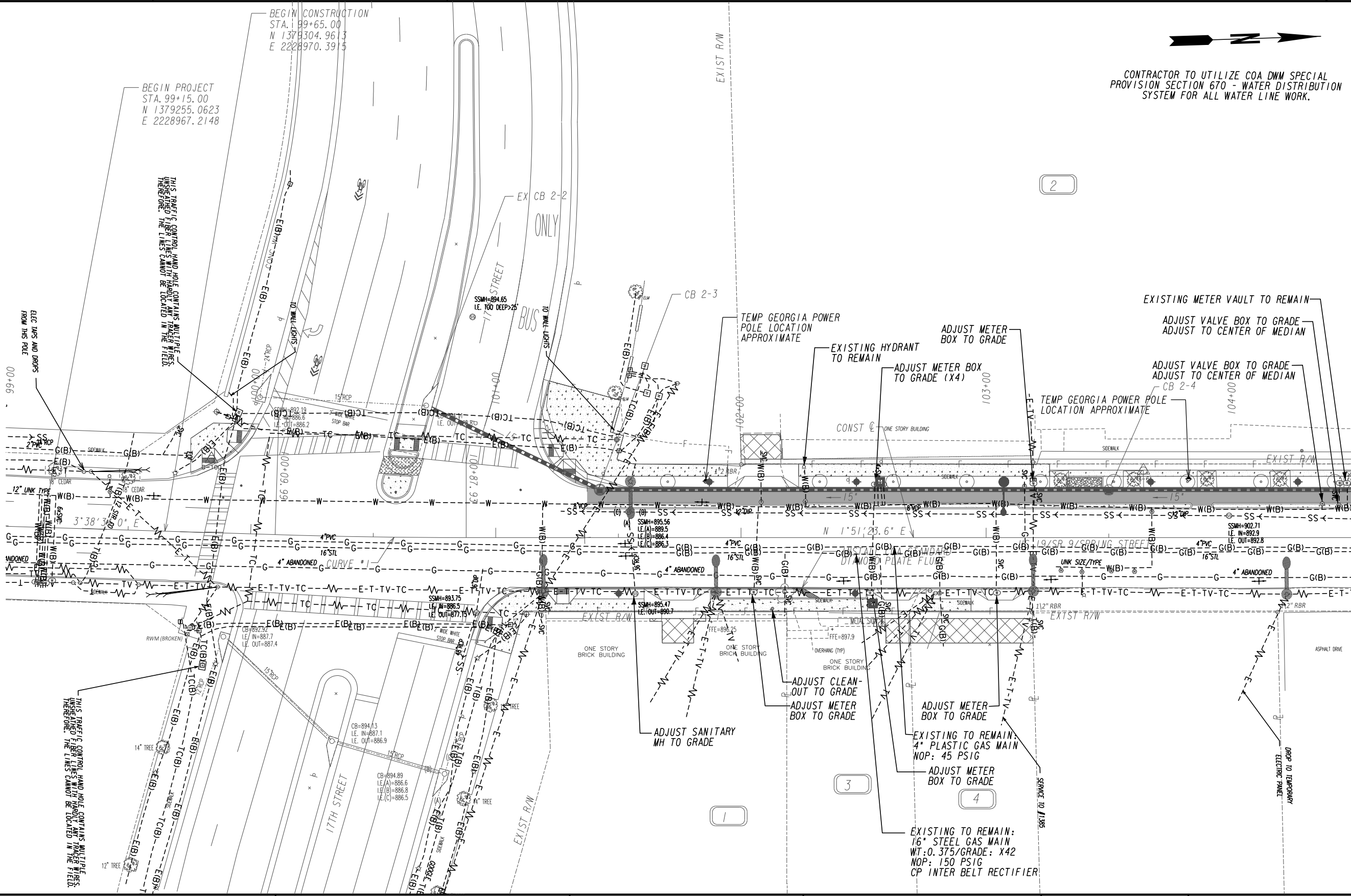
CROSS SECTIONS
Spring Street Bike and
Pedestrian Improvements
US 19/SR 9/Spring Street

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VERIFIED:	DATE:	



CONTRACTOR TO UTILIZE COA DWM SPECIAL PROVISION SECTION 670 - WATER DISTRIBUTION SYSTEM FOR ALL WATER LINE WORK.

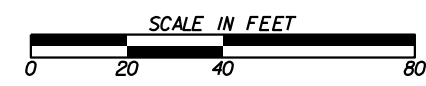
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DRAWING No. 24-0002
MATCH LINE STA. 104+50

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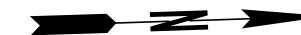
REVISION DATES

NO.	DATE	DESCRIPTION

UTILITY PLANS

Spring Street Bike and Pedestrian Improvements

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



CONTRACTOR TO UTILIZE COA DWM SPECIAL PROVISION SECTION 670 - WATER DISTRIBUTION SYSTEM FOR ALL WATER LINE WORK.

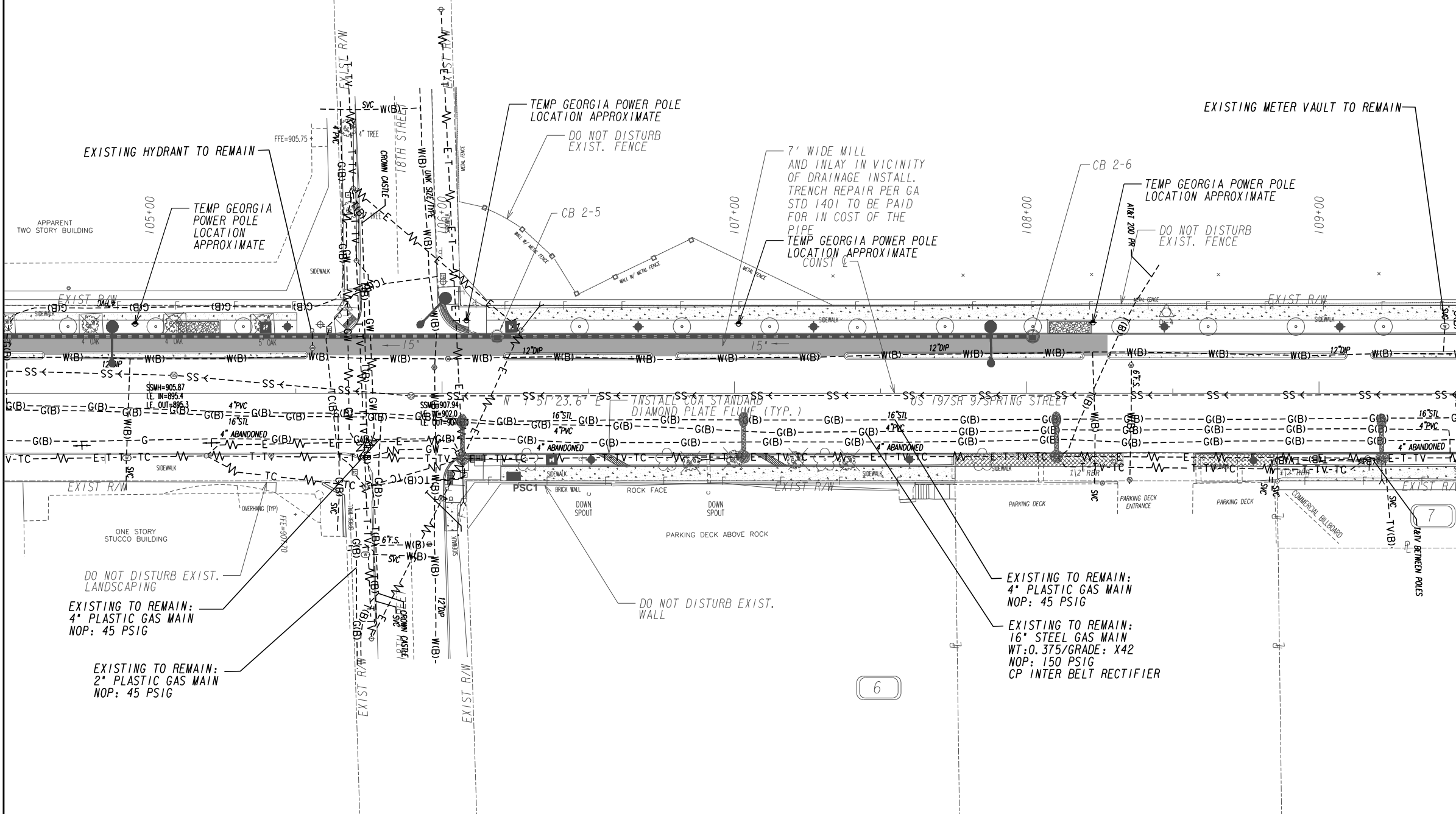
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DRAWING No. 24-0001

MATCH LINE STA. 104+50

DRAWING No. 24-0003

MATCH LINE STA. 109+50

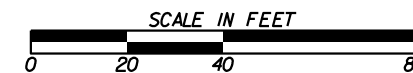


EXISTING TO REMAIN:
4" PLASTIC GAS MAIN
NOP: 45 PSIG

EXISTING TO REMAIN:
16" STEEL GAS MAIN
WT: 0.375/GRADE: X42
NOP: 150 PSIG
CP INTER BELT RECTIFIER

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REVISION DATES

NO.	DATE	DESCRIPTION

UTILITY PLANS

Spring Street Bike and Pedestrian Improvements

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



CONTRACTOR TO UTILIZE COA DWM SPECIAL PROVISION SECTION 670 - WATER DISTRIBUTION SYSTEM FOR ALL WATER LINE WORK.

DRAWING No. 24-0002

MATCH LINE STA. 109+50

DRAWING No. 24-0004

MATCH LINE STA. 115+00

ADJUST METER BOX TO GRADE

ADJUST VALVE BOX TO GRADE
ADJUST TO CENTER OF MEDIAN

EXISTING HYDRANT TO REMAIN

ADJUST VALVE BOX TO GRADE

ADJUST VALVE BOX TO GRADE
ADJUST TO CENTER OF MEDIAN

STA. 113+81.60 SPRING STREET +
STA. 200+00.00 BUFORD SPRING CONNECTOR

EXISTING TO REMAIN:
16" STEEL GAS MAIN
WT:0.375/GRADE: X42
NOP: 150 PSIG
CP INTER BELT RECTIFIER

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

RETIRED:
4" STEEL GAS MAIN
(ESTIMATED LOCATION)

EXISTING HYDRANT
TO REMAIN

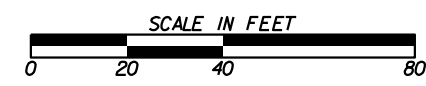
EXISTING TO REMAIN:
16" STEEL GAS MAIN
WT:0.375/GRADE: X42
NOP: 150 PSIG
CP INTER BELT RECTIFIER

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

EXISTING TO REMAIN:
245" X 6" CAST IRON CASING

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REVISION DATES

NO.	DATE	DESCRIPTION

UTILITY PLANS

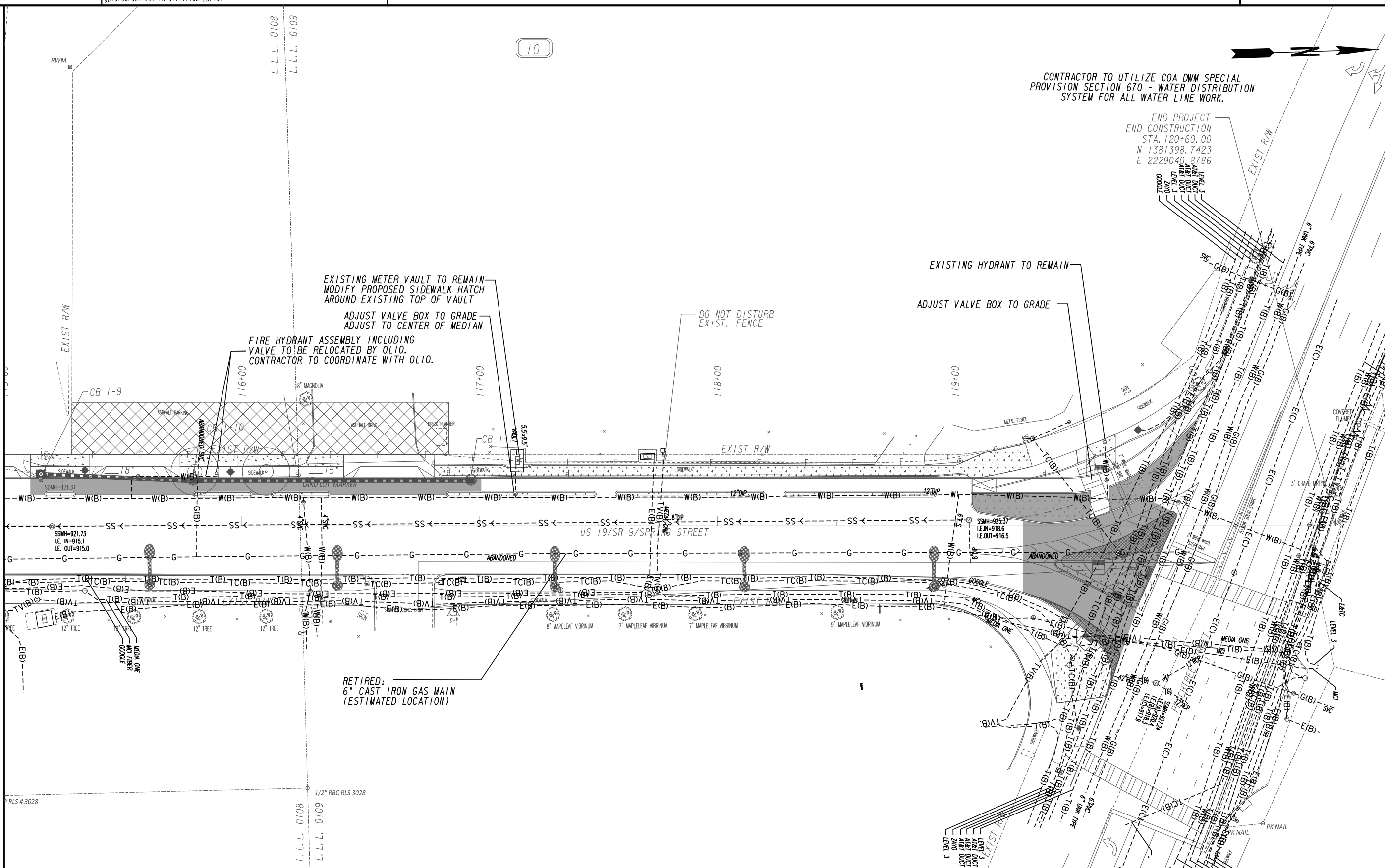
Spring Street Bike and Pedestrian Improvements

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	24-0003
CORRECTED:	DATE:	
VERIFIED:	DATE:	

DRAWING No. 24-0003

MATCH LINE STA. 115+00

RLS # 3028



CONTRACTOR TO UTILIZE COA DWM SPECIAL PROVISION SECTION 670 - WATER DISTRIBUTION SYSTEM FOR ALL WATER LINE WORK.

END PROJECT
 END CONSTRUCTION
 STA. 120+60.00
 N 1381398.7423
 E 2229040.8786

EXISTING METER VAULT TO REMAIN
 MODIFY PROPOSED SIDEWALK HATCH
 AROUND EXISTING TOP OF VAULT

ADJUST VALVE BOX TO GRADE
 ADJUST TO CENTER OF MEDIAN

FIRE HYDRANT ASSEMBLY INCLUDING
 VALVE TO BE RELOCATED BY OLIO.
 CONTRACTOR TO COORDINATE WITH OLIO.

DO NOT DISTURB
 EXIST. FENCE

EXISTING HYDRANT TO REMAIN

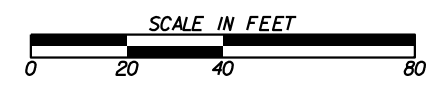
ADJUST VALVE BOX TO GRADE

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

10

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REVISION DATES

NO.	DATE	DESCRIPTION

UTILITY PLANS

Spring Street Bike and
 Pedestrian Improvements

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	24-0004
CORRECTED:	DATE:	
VERIFIED:	DATE:	

CITY OF ATLANTA STREET LIGHT WIRING PROCEDURE

ELECTRICAL GENERAL NOTES

#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

FA-100 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

FF-100 TRAFFIC LIGHT POLE MOUNTED STREET LIGHTING FIXTURE, SEE SCHEDULE FOR MOUNTING HEIGHT
FF-100 = FF (FIXTURE TYPE), 100 (FIXTURE NUMBER)
STA. 100+46.68 = STATION NUMBER
OFFSET 11'-4.5" L = OFFSET FROM CENTER LINE OF STREET LEFT SIDE
1 = CIRCUIT NUMBER

FX1-100 EXISTING LIGHTING FIXTURE, APPROXIMATELY 30' HIGH MOUNTED ON EXISTING WOOD UTILITY POWER POLE 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 EXISTING POLE MOUNTED LIGHTING FIXTURE (COA TYPE A), APPROXIMATELY 30' HIGH, 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 EXISTING POLE MOUNTED LIGHTING FIXTURE (COA TYPE CH), 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

AFC-100 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 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

PSC POWER SERVICE CABINET

— E — UTILITY UNDERGROUND ELECTRIC

— E — UTILITY OVERHEAD ELECTRIC

H PROPOSED HANDHOLE

E PROPOSED MANHOLE

E PROPOSED ELECTRIC BOX

- ALL WIRING DIAGRAMS, RELOCATIONS, LIGHTING ADDITIONS OR LIGHTING DELETIONS MUST BE SUBMITTED TO THE DEPARTMENT OF PUBLIC WORKS, OFFICE OF TRANSPORTATION, STREET LIGHT DIVISION FOR APPROVAL BY THE SENIOR STREET LIGHT ENGINEER.
- 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.
- ALL LIGHTS MUST BE METERED. NEW LIGHT INSTALLATIONS CAN NOT BE ADDED TO ANY EXISTING CIRCUITS. CONNECTION OR METERED PEDESTAL.
- 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.
- EACH WIRING CONNECT MUST BE MADE USING COMPRESSION CONNECTIONS (BURNDY MC² CONNECTOR, OR EQUIVALENT) FOLLOWED BY A HEAT SHRINK PROTECTIVE MATERIAL TO PROTECT THE CONNECTION FROM WEATHERING ELEMENTS.
- 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.
- ALL SPLICES IN THE PULL BOXES MUST BE WATER PROOF.
- ALL LIGHTS MUST BE LED. WATTAGES WILL BE EQUIVALENT TO THE EXISTING HIGH-PRESSURE SODIUM WATTAGES THAT CURRENTLY EXIST FOR THE DEPARTMENT OF PUBLIC WORKS, OFFICE OF TRANSPORTATION, STREET LIGHT DIVISION AND MAY BE DETERMINED DURING A PRE-CONSTRUCTION MEETING. STREET LIGHTS MUST BE REVIEWED AT THIS MEETING BEFORE INSTALLATION OR PLACING THE ORDER FOR MATERIALS AND EQUIPMENT.
- 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.
- WIRING MUST BE ALUMINUM. COPPER WILL NOT BE ACCEPTED

- GENERAL CONTRACTOR TO PROVIDE ONLY FOUNDATIONS AND CONDUIT ARRANGEMENTS AS WELL AS REMOVE STREETLIGHT CIRCUITS FROM METER PEDESTALS.
- GEORGIA POWER (GPC) TO BE STIPULATED AS AN ADDITIONAL PARTICIPANT IN FIELD INSPECTION AS OUTLINED IN THE CURRENT CITY OF ATLANTA CHECKLIST. THE GENERAL CONTRACTOR SHALL BE REQUIRED TO COORDINATE WITH GPC ON ANCHOR BOLT CONFIGURATION AND CONDUIT ARRANGEMENTS TO POINTS OF SERVICE.
- GEORGIA POWER COMPANY (GPC) HAS AGREED TO PROVIDE ALL WIRING, NEW POLES, NEW FIXTURES AS WELL AS RETROFITS OF EXISTING LIGHTS TO LED.
- 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.
- 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.
- 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.
- ALL UNDERGROUND CONDUIT SHALL BE PVC SCHEDULE 40. CONDUIT INSTALLED UNDERNEATH 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.
- RIGID CONDUIT INSTALLED ON STRUCTURES SHALL BE SUPPORTED AT LEAST EVERY TEN FEET AND WITHIN THREE FEET OF J-BOXES, LUMINARIES, ETC.
- EXPOSED CONDUIT SHALL BE RGS UNLESS OTHERWISE NOTED.
- CONDUIT ACCESSORIES SUCH AS EXPANSION JOINTS, PULLBOXES, CONDULETS, ELBOWS, ETC. SHALL BE INCLUDED IN THE PRICE BID FOR CONDUIT.
- 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.
- ALL FUSES AND FUSE HOLDERS SHALL BE IN-LINE TYPE AND WATERPROOF.
- 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).
- INSTALL J-BOX IN EMPTY 2' CONDUIT RUN AT EACH NEW LIGHT POLE BASE.
- METER PEDESTAL INSTALLATION SHALL BE IN COMPLIANCE WITH CITY OF ATLANTA SPECIFICATION 26-6400, "METER PEDESTAL INSTALLATIONS".
- THE LIGHTING SYSTEM AND EQUIPMENT INSTALLATION SHALL BE IN COMPLIANCE WITH CITY OF ATLANTA SPECIFICATION 26-6500, "CITY OF ATLANTA LIGHTING SPECIFICATION".

25-000 SERIES — PLAN SHEETS
25-200 SERIES — DETAIL AND SCHEDULE SHEETS
25-300 SERIES — WIRING DIAGRAM SHEETS

REVISION DATES				DRAWING No.	
				CHECKED: RP	DATE: 5/23/2023
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				CORRECTED:	DATE:
				VERIFIED:	DATE:
				25-000	



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R. POWELL & ASSOCIATES, INC.
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Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 601, 817 West Peachtree Street, NW
Atlanta, GA 30308

SPRING STREET ROAD IMPROVEMENT
GENERAL NOTES AND LEGENDS

- NOTE:
- POLES AND FIXTURES ARE SHOWN FOR REFERENCE ONLY. GENERAL CONTRACTOR TO PROVIDE ONLY LIGHT POLE FOUNDATIONS AND CONDUIT ARRANGEMENTS, AS WELL AS REMOVE STREETLIGHT CIRCUITS FROM METER PEDESTALS.
 - GEORGIA POWER COMPANY WILL PROVIDE POLES, LIGHT FIXTURES AND WIRING; AND RETROFITTING OF EXISTING LIGHTS TO LED.

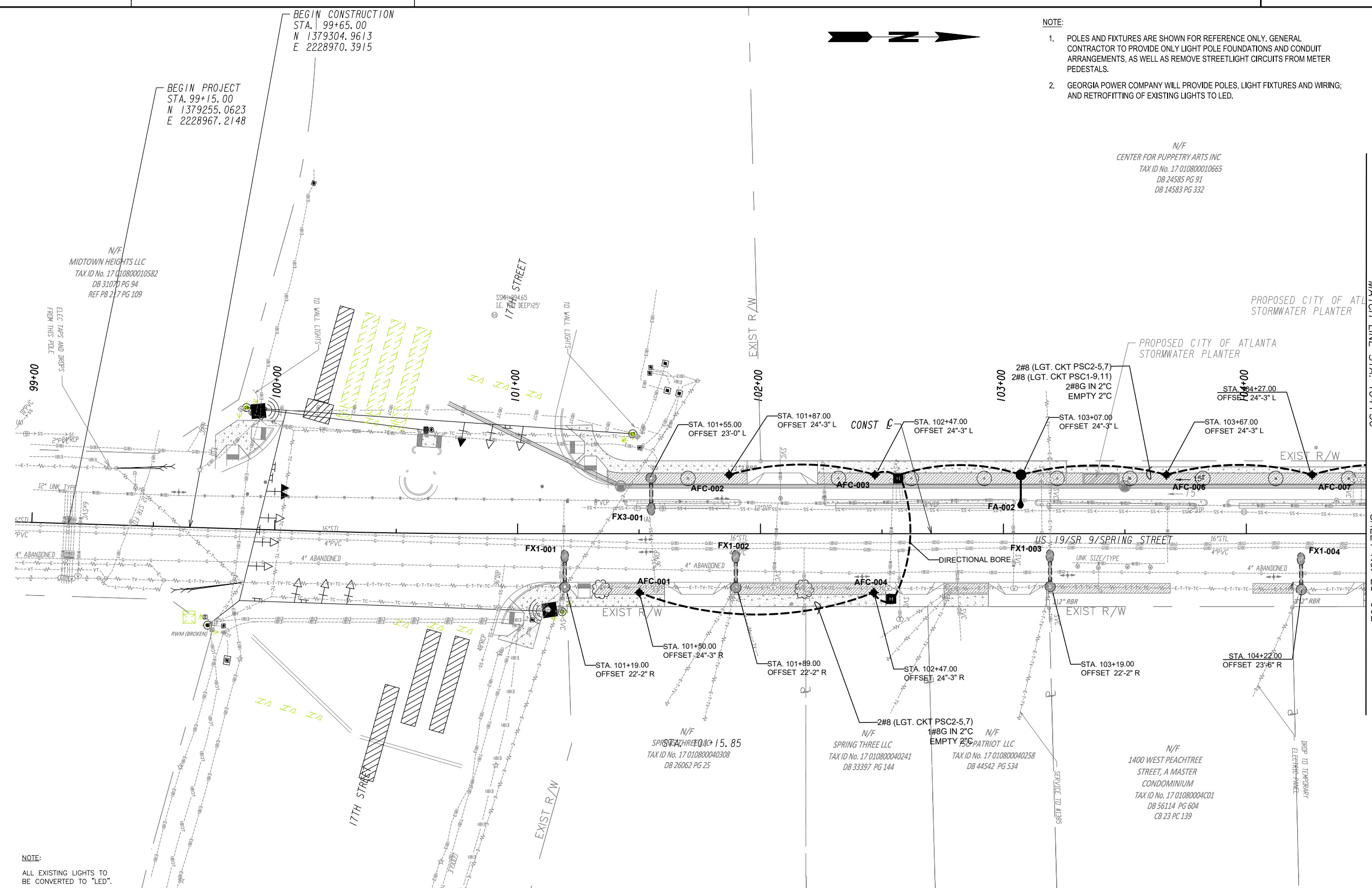
N/F
 CENTER FOR PUPPETRY ARTS INC
 TAX ID No. 17 010800010665
 DB 24585 PG 91
 DB 14583 PG 332

PROPOSED CITY OF ATLANTA
 STORMWATER PLANTER

PROPOSED CITY OF ATLANTA
 STORMWATER PLANTER

MATCH LINE STA. 104+50

SHEET No. 25-002

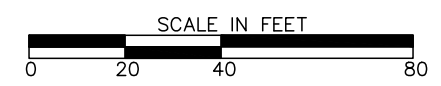


NOTE:
 ALL EXISTING LIGHTS TO BE CONVERTED TO "LED".



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REVISION DATES	

SPRING STREET ROAD IMPROVEMENT
 LIGHTING PLANS
 STA. 101+00 TO STA. 104+50

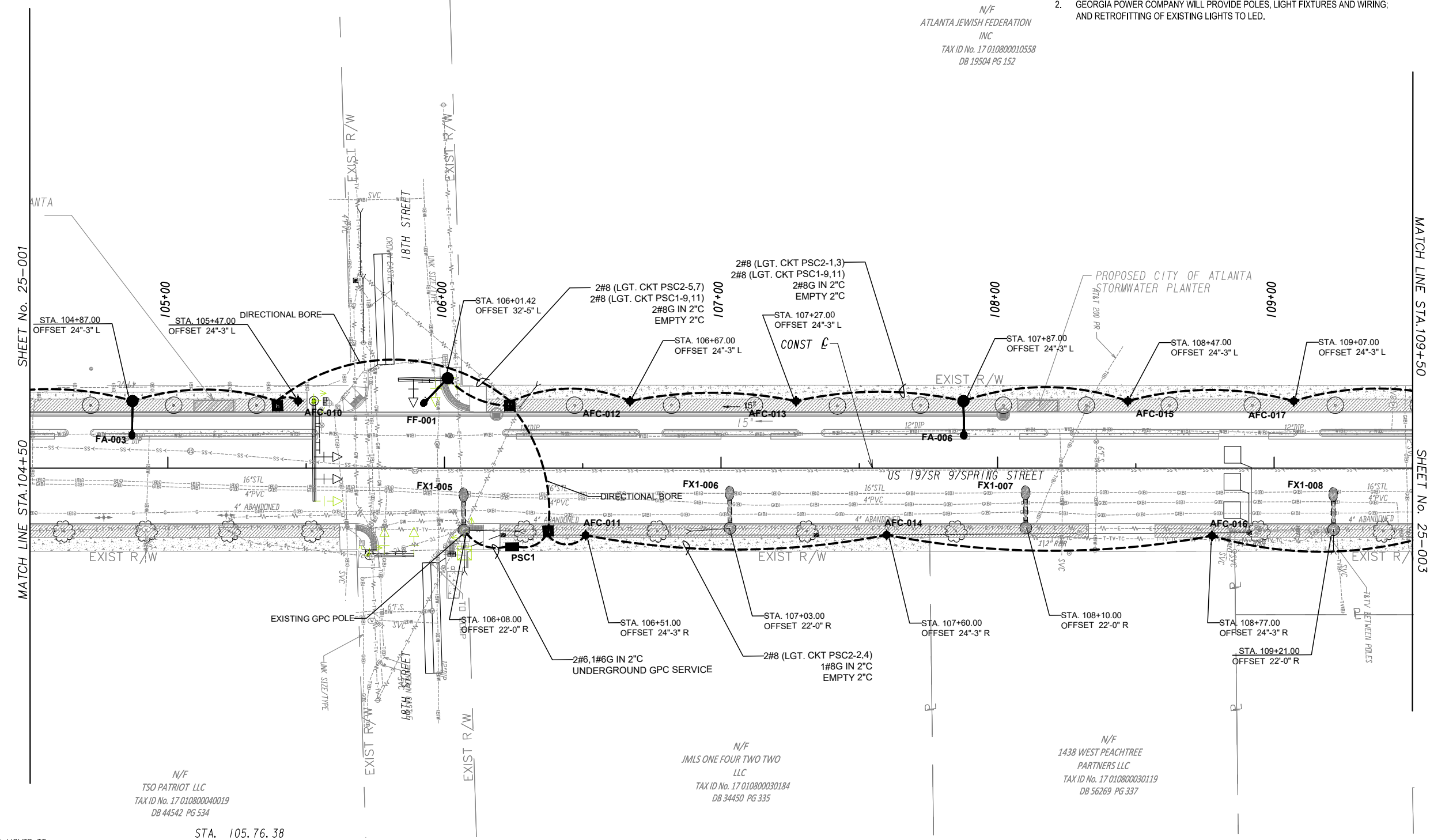
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CORRECTED:		DATE:		
VERIFIED:		DATE:		



NOTE:

1. POLES AND FIXTURES ARE SHOWN FOR REFERENCE ONLY. GENERAL CONTRACTOR TO PROVIDE ONLY LIGHT POLE FOUNDATIONS AND CONDUIT ARRANGEMENTS, AS WELL AS REMOVE STREETLIGHT CIRCUITS FROM METER PEDESTALS.
2. GEORGIA POWER COMPANY WILL PROVIDE POLES, LIGHT FIXTURES AND WIRING; AND RETROFITTING OF EXISTING LIGHTS TO LED.

N/F
 ATLANTA JEWISH FEDERATION
 INC
 TAX ID No. 17 010800010558
 DB 19504 PG 152



N/F
 TSO PATRIOT LLC
 TAX ID No. 17 010800040019
 DB 44542 PG 534

STA. 105.76.38

N/F
 JMLS ONE FOUR TWO TWO
 LLC
 TAX ID No. 17 010800030184
 DB 34450 PG 335

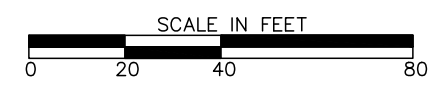
N/F
 1438 WEST PEACHTREE
 PARTNERS LLC
 TAX ID No. 17 010800030119
 DB 56269 PG 337

NOTE:
 ALL EXISTING LIGHTS TO
 BE CONVERTED TO "LED".



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REVISION DATES	

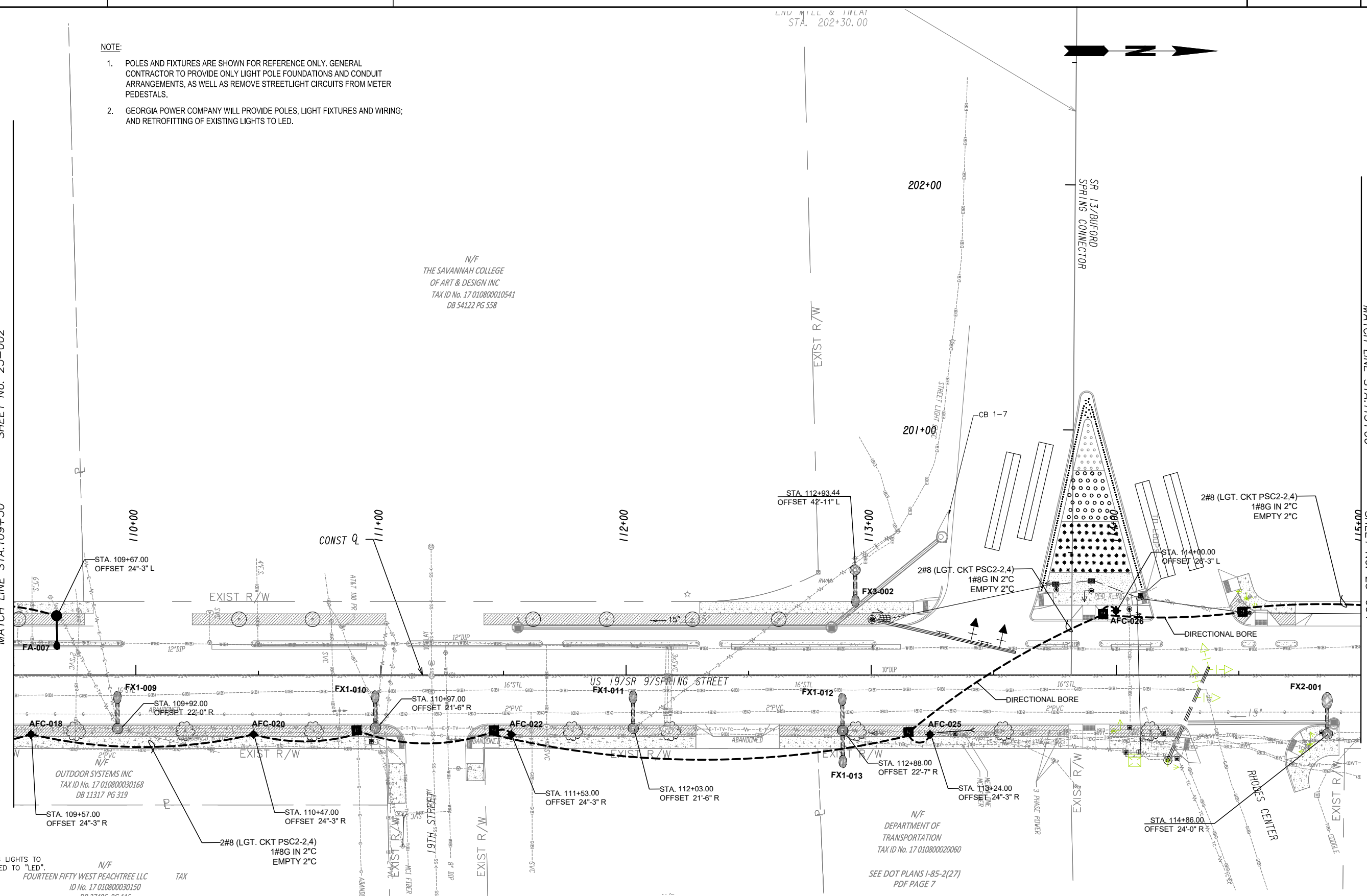
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CHECKED:	RP	DATE:	5/23/2023
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			25-002

- NOTE:
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 - GEORGIA POWER COMPANY WILL PROVIDE POLES, LIGHT FIXTURES AND WIRING; AND RETROFITTING OF EXISTING LIGHTS TO LED.

N/F
 THE SAVANNAH COLLEGE
 OF ART & DESIGN INC
 TAX ID No. 17 010800010541
 DB 54122 PG 558

MATCH LINE STA. 109+50

MATCH LINE STA. 115+00



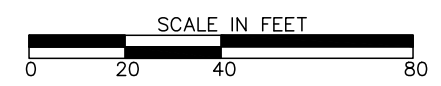
NOTE:
 ALL EXISTING LIGHTS TO BE CONVERTED TO "LED".
 N/F
 FOURTEEN FIFTY WEST PEACHTREE LLC
 TAX ID No. 17 010800030150
 DB 27486 PG 115

N/F
 DEPARTMENT OF
 TRANSPORTATION
 TAX ID No. 17 010800020060
 SEE DOT PLANS I-85-2(27)
 PDF PAGE 7



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REVISION DATES	

**SPRING STREET ROAD IMPROVEMENT
 LIGHTING PLANS
 STA. 109+50 TO STA. 115+00**

CHECKED:	RP	DATE:	5/23/2023	DRAWING No. 25-003
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		
VERIFIED:		DATE:		

NOTE:

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2. GEORGIA POWER COMPANY WILL PROVIDE POLES, LIGHT FIXTURES AND WIRING; AND RETROFITTING OF EXISTING LIGHTS TO LED.

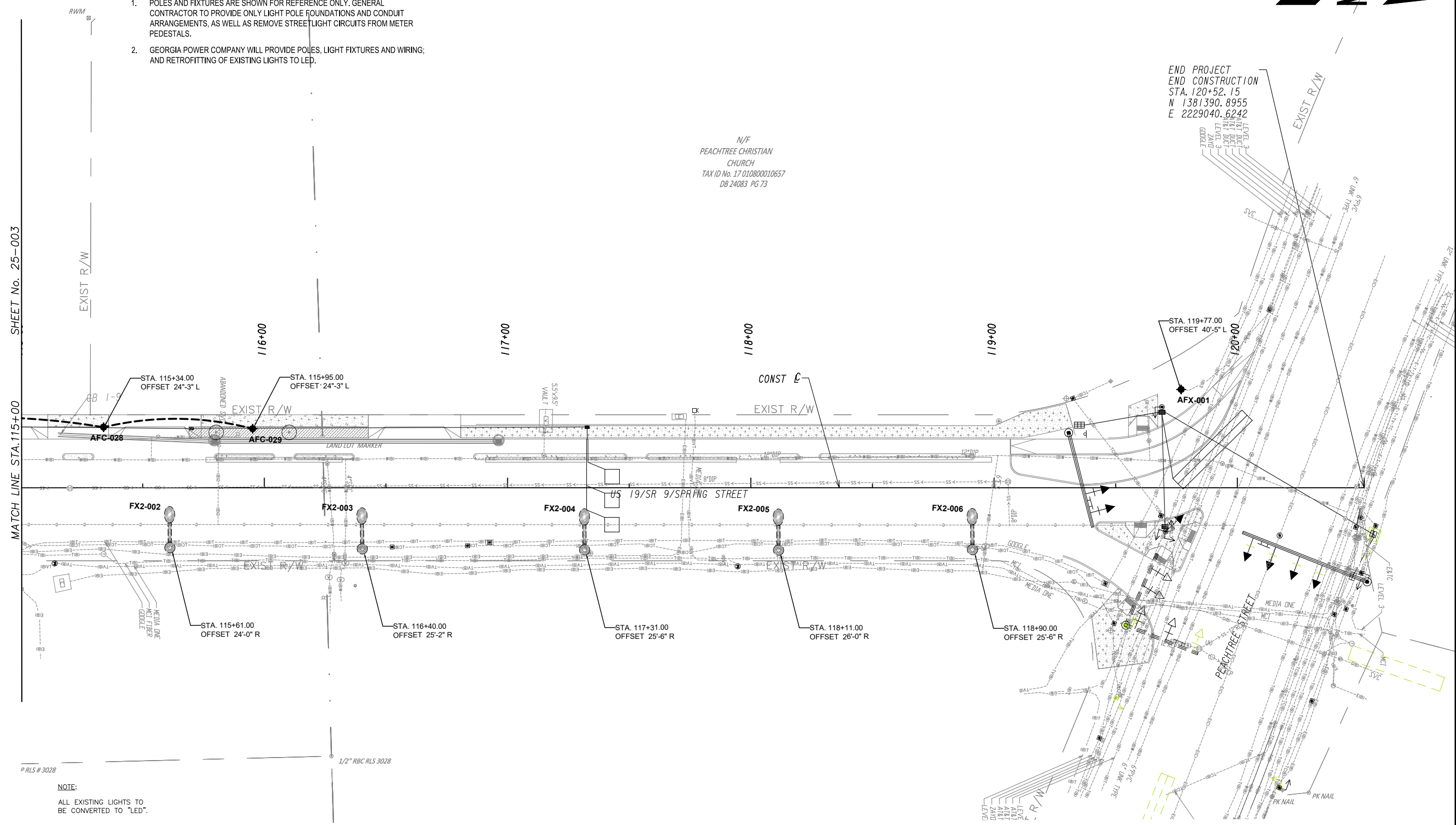


END PROJECT
END CONSTRUCTION
STA. 120+52.15
N 1381390.8955
E 2229040.6242

N/F
PEACHTREE CHRISTIAN
CHURCH
TAX ID No. 17.010800010657
DB 24083 PG 73

SHEET No. 25-003

MATCH LINE STA. 115+00



P RLS # 3028

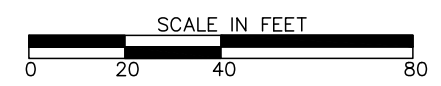
NOTE:

ALL EXISTING LIGHTS TO BE CONVERTED TO "LED".



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REVISION DATES	

SPRING STREET ROAD IMPROVEMENT
LIGHTING PLANS
STA. 115+00 TO STA. 120+00

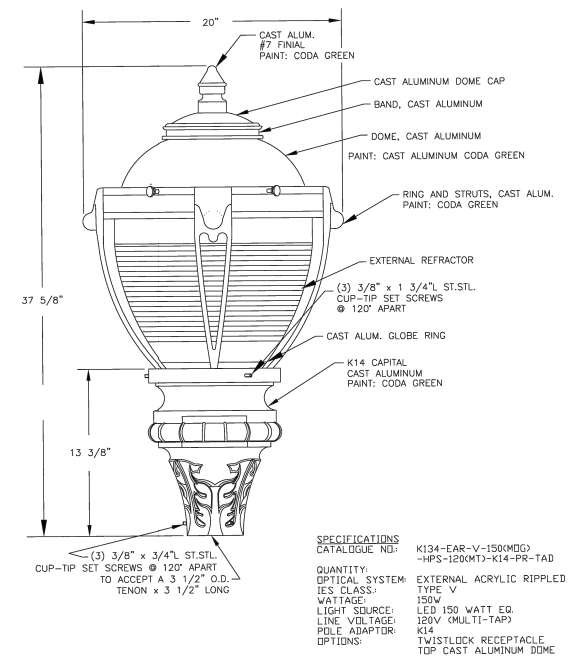
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VERIFIED:		DATE:		

NOTE:

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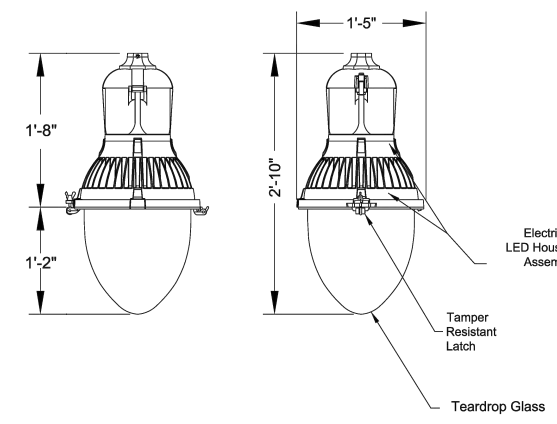
LED LIGHT FIXTURE, SEE LIGHT FIXTURE SCHEDULE AND SHEET 25-203, DETAIL 2 FOR DETAILS

LIGHT FIXTURE MOUNTING ARM, SEE LIGHT FIXTURE SCHEDULE AND SHEET 25-203, DETAIL 3 FOR LENGTH AND DETAILS



1 TYPE "AFC" LIGHT FIXTURE - (COA TYPE "C" FIXTURE)
25-201 N.T.S.

CASTING AT END OF ARM INCLUDES 1 1/2" NPT PIPE NIPPLE OUT THE BOTTOM

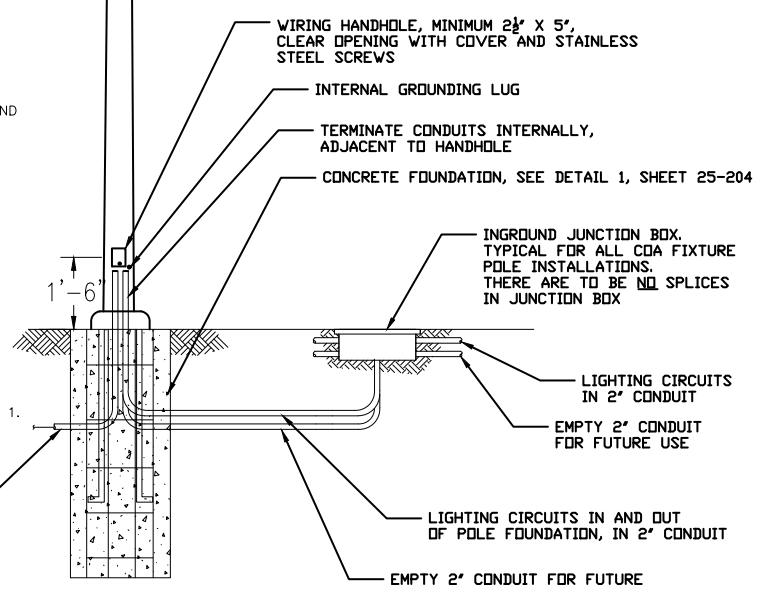


4 TYPE "FX2" LGT FIXTURE - (COA TYPE "A")
25-201 N.T.S.

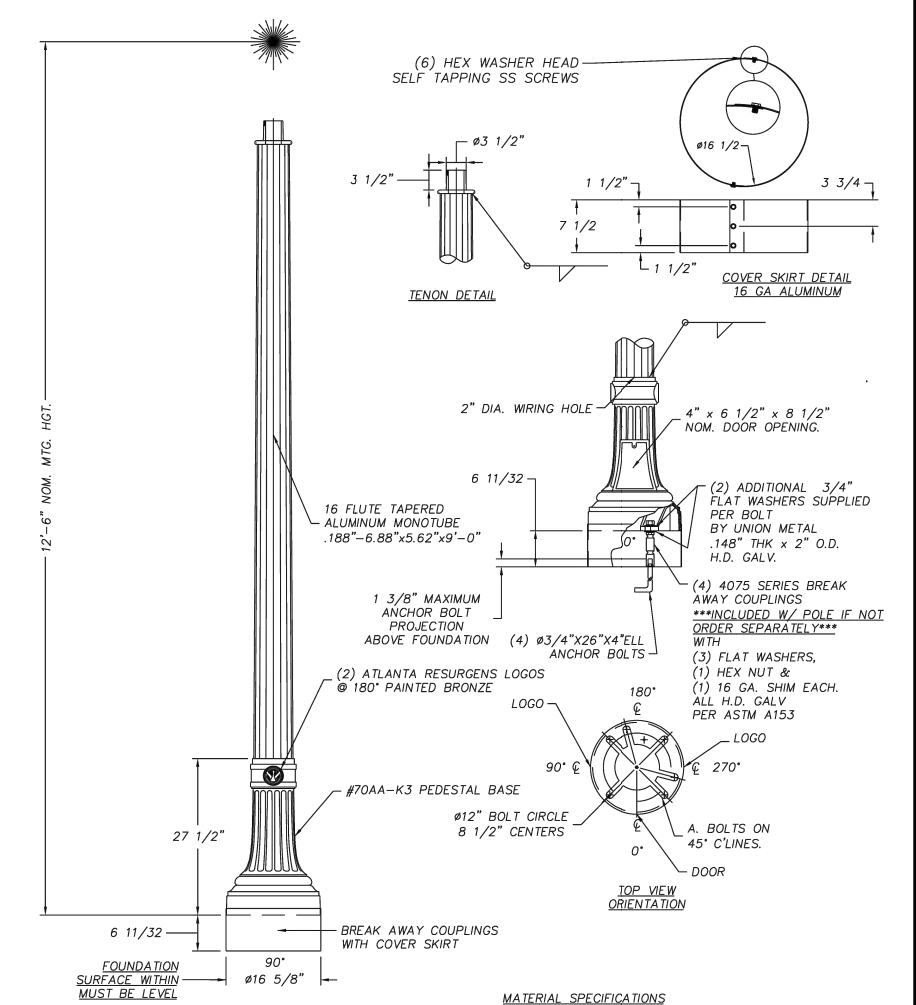
TAPERED ALUMINUM POLE. CROSS SECTIONAL SHAPE AND COLOR AS INDICATED. SEE SHEET 25-203, DETAIL 1.

NOTES:

- COORDINATE TOTAL EPA WITH SPECIFICATIONS.
- WIRING HANDHOLE MINIMUM 2 1/2" X 5" CLEAR OPENING WITH COVER AND STAINLESS STEEL SCREWS.
- INTERNAL GROUNDING LUG.
- TERMINATE CONDUITS INTERNALLY, ADJACENT TO HANDHOLE.
- FULL BASE COVER - TWO PIECE GALVANIZED STEEL.
- CONCRETE FOUNDATION - SEE SHEET 25-204, DETAIL 1.



3 TYPE "FA" LIGHT FIXTURE - TYPICAL LAYOUT (COA TYPE "CH" FIXTURE)
25-201 N.T.S.



SCALE: 3/4"=1'-0"

2 TYPE "AFC" LIGHT FIXTURE POLE DETAIL (COA "C" FIXTURE)
25-201 N.T.S.

MATERIAL SPECIFICATIONS
TUBES: A46063-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 OF THE FINISH SHALL BE WITH POLYESTER POWDER COATING PAINT, COLOR SHALL BE CODA GREEN (PANTONE 5535).



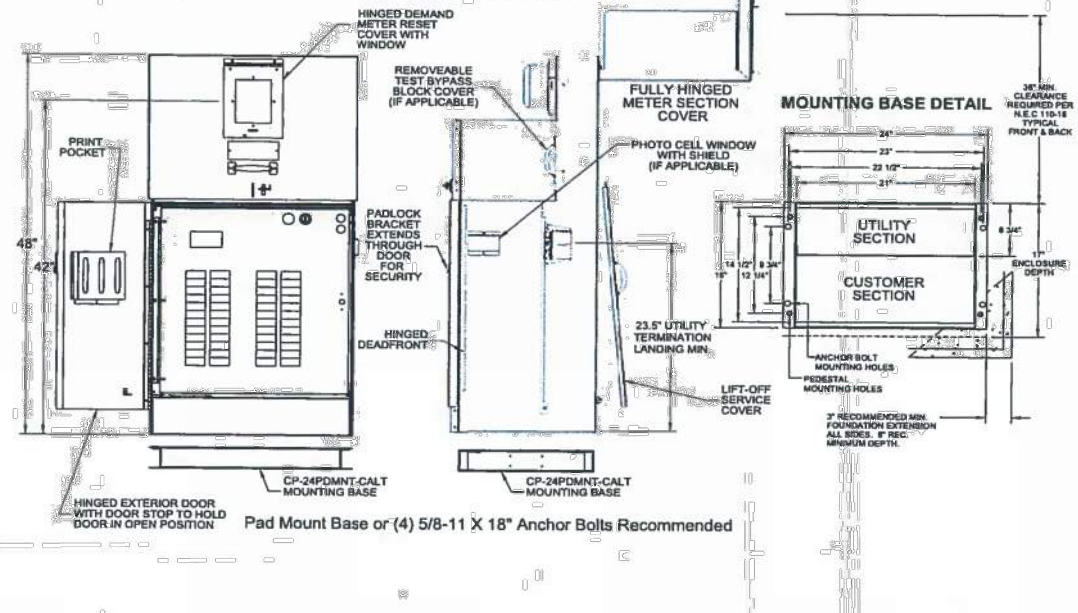
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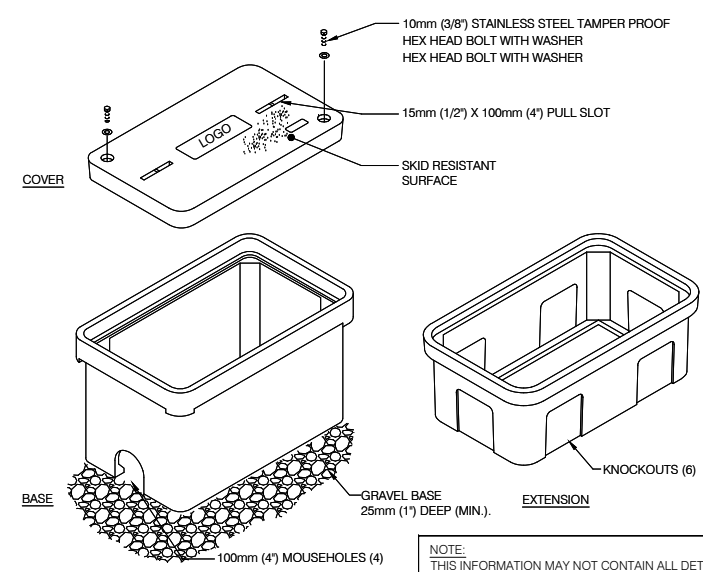
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CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			25-201

"B" STYLE 24' METERED COOMERCIAL PEDESTAL (WITH ONE OR TWO METERS)



1 METER 24" PEDESTAL DETAIL (PSC)
25-202 N.T.S.

2 MOUNTING BASE DETAIL
25-202 N.T.S.



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

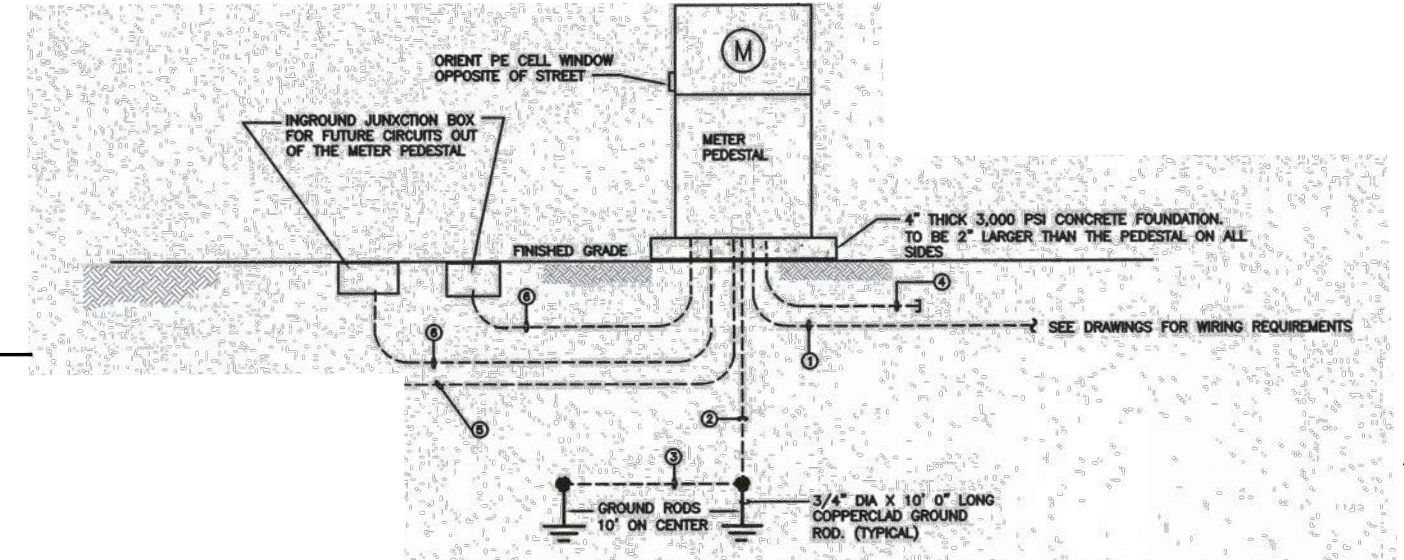
NOTE:
THIS INFORMATION MAY NOT CONTAIN ALL DETAILS REQUIRED FOR CONSTRUCTION. APPROPRIATE MODIFICATION MAY BE REQUIRED TO ENSURE SUITABILITY OF THESE DRAWINGS FOR THE SPECIFIC APPLICATION. IT IS THE USER'S RESPONSIBILITY TO ENSURE INSTALLATION OF THE EQUIPMENT/SYSTEM IS IN ACCORDANCE WITH BUILDING/PROJECT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

4 TYPICAL HAND HOLE DETAIL
25-202 N.T.S.

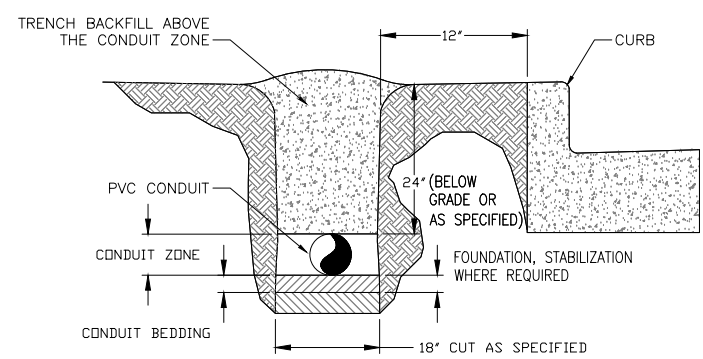
WIRING SCHEDULE:

1. SEE DRAWING FOR WIRING.
2. 1#6G IN 3/4" PVC
3. #6
4. 3/4" 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 LEAST 5' FROM PEDESTAL.

ALL CONDUCTORS ARE TO BE COPPER UNLESS OTHERWISE NOTED.



5 METER PEDESTAL ONE LINE DIAGRAM
25-202 N.T.S.



3 TYPICAL TRENCH DETAIL
25-202 N.T.S.

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 #CP3B "SL" SERIES COMMERCIAL METER 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.

NOTE:

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2. GEORGIA POWER COMPANY WILL PROVIDE POLES, LIGHT FIXTURES AND WIRING; AND RETROFITTING OF EXISTING LIGHTS TO LED.

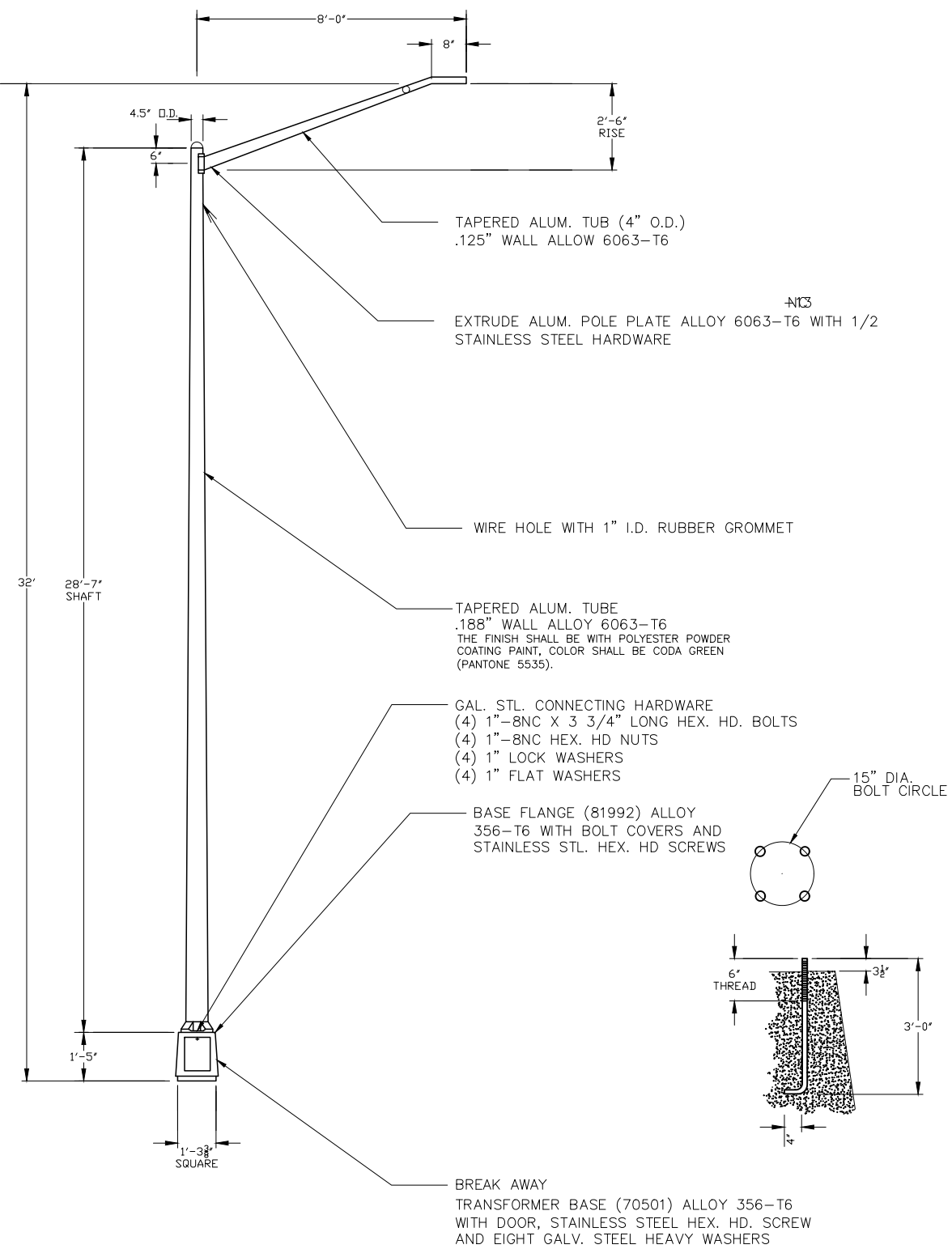


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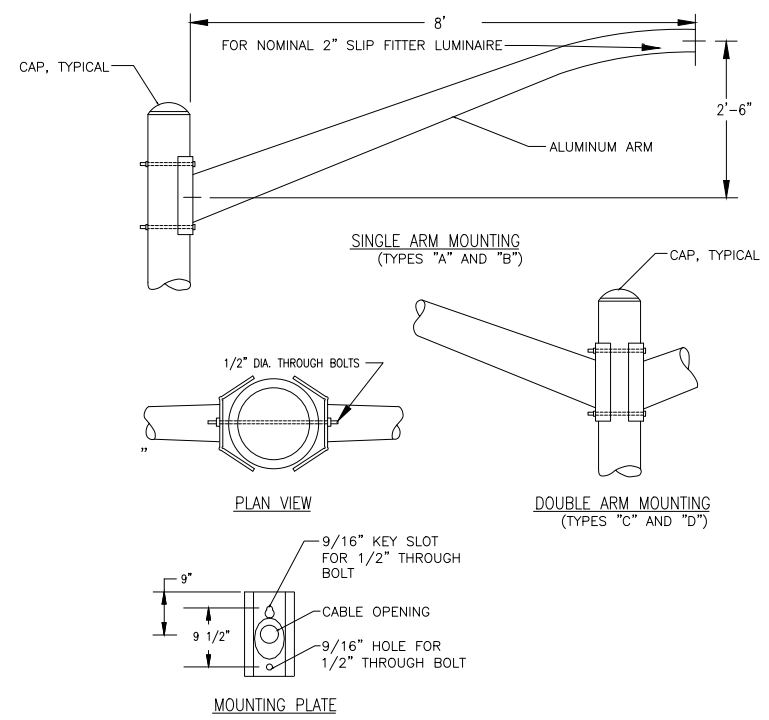
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REVISION DATES	

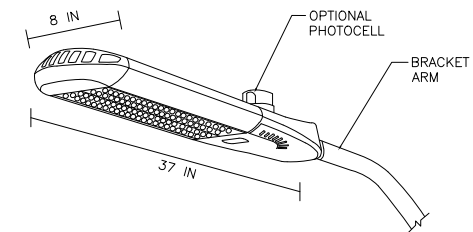
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CHECKED:	RP	DATE:	5/23/2023
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			25-202



1 TYPE "FA" LIGHTING FIXTURE DETAIL (COA "CH" FIXTURE)
25-203 N.T.S.



3 LIGHTING FIXTURE MOUNTING ON POLE DETAIL
25-203 N.T.S.



- LUMINAIRE REQUIREMENTS:**
- HOUSING - DIE CAST ALUMINUM OR DIE CAST AND EXTRUDED ALUMINUM. HEAT SINK INCORPORATED DIRECTLY INTO HOUSING TO ENSURE MAXIMUM HEAT TRANSFER AND DISSIPATION.
 - FINISH - MULTI-STAGE PRE-TREATMENT, FINISHED WITH BAKED-ON POLYESTER POWDER COAT. FINISH SHALL PASS 2500 HOUR SALT SPRAY TEST PER ASTM B117. THE FINISH SHALL BE WITH POLYESTER POWDER COATING PAINT, COLOR SHALL BE CODA GREEN (PANTONE 5535).
 - 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.
 - 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.
 - SURGE PROTECTION - 6 kV MINIMUM, COMPLIANT WITH ANSI C62.41.2.
 - CERTIFICATION - UL AND/OR ETL LISTED, MINIMUM IP65 RATED PER ANSI/IEC 60529, AND RoHS COMPLIANT.
 - OPTIONS - PHOTOCELL AND RECEPTACLE, SHORTING CAP, BIRD SPIKES, AND 0-10 VOLT DIMMING DRIVER.
 - 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 LED COBRA HEAD ROADWAY FIXTURE DETAIL
25-203 N.T.S.



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LILBURN, GEORGIA 30047
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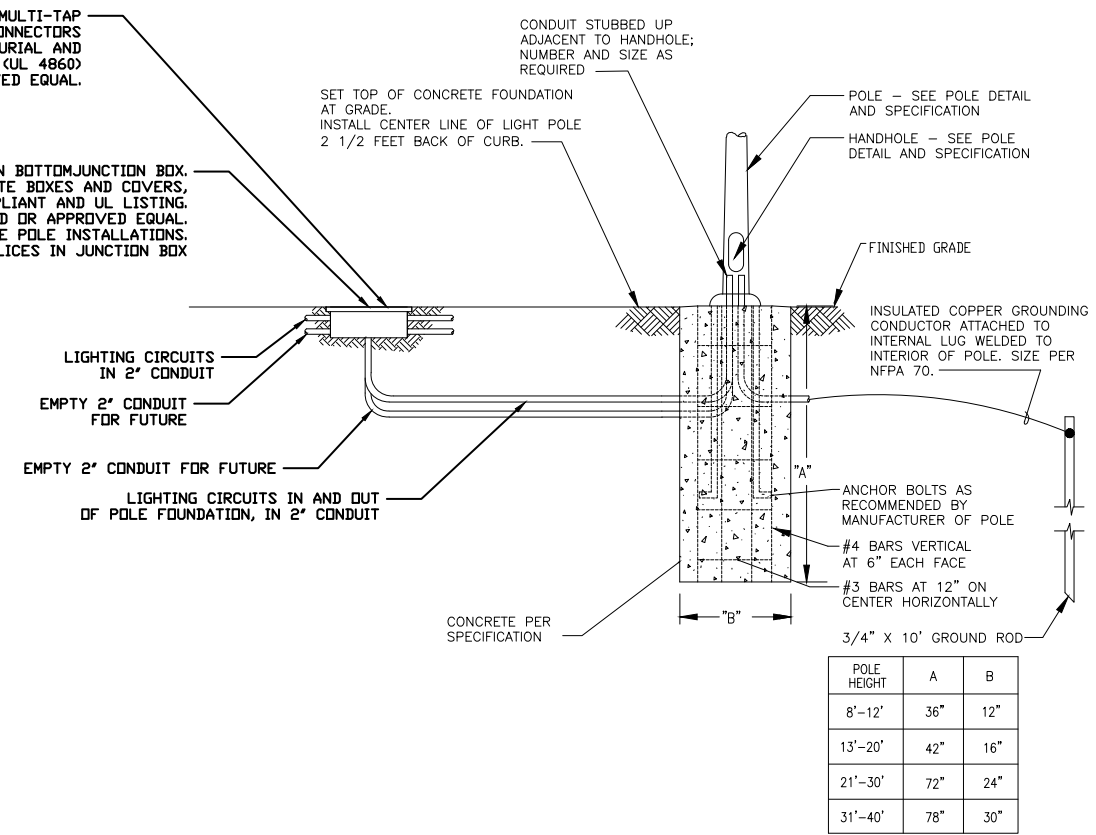
Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 601, 817 West Peachtree Street, NW
Atlanta, GA 30308

REVISION DATES	

SPRING STREET ROAD IMPROVEMENT LIGHTING DETAILS			
CHECKED:	RP	DATE:	5/23/2023
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			25-203

MAKE ALL CONNECTIONS WITH INSULATED MULTI-TAP MECHANICAL UNDERGROUND CONNECTORS UL LISTED/LABELED FOR DIRECT BURIAL AND SUBMER4SIBLE APPLICATIONS (UL 4860) OR APPROVED EQUAL.

INGROUND 11"x18"x18" DEEP OPEN BOTTOM JUNCTION BOX. PRECAST POLYMER CONCRETE BOXES AND COVERS, ANSI/SCTE 77 COMPLIANT AND UL LISTING. ANSI TIER 15 RATED OR APPROVED EQUAL. TYPICAL FOR ALL COA FIXTURE POLE INSTALLATIONS. THERE ARE TO BE NO SPLICES IN JUNCTION BOX

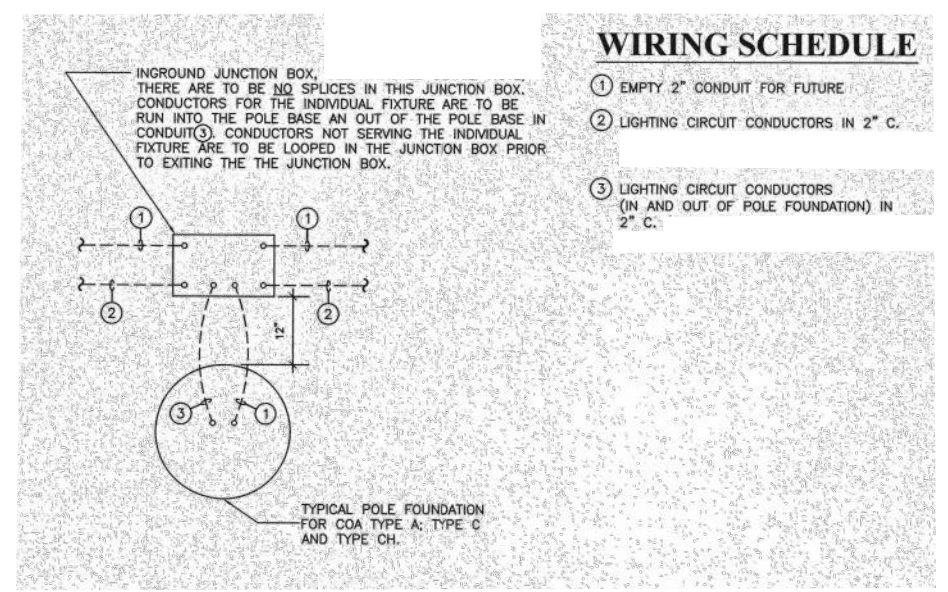


1 COA FIXTURE CONCRETE FOUNDATION DETAIL
25-204 N.T.S.

LIGHTING MATERIAL			
ITEM NO.	ITEM DESCRIPTION	UNITS	QUANTITY
500-3101	CLASS A CONCRETE	CY	6
511-1000	BAR REINF STEEL	LB	900
682-6222	CONDUIT, NONMETL, TP 2, 2 IN	LF	4,200
682-9021	ELECTRICAL JUNCTION BOX, CONC GROUND MOUNTED	EA	28
682-8995	POWER SERVICE CABINET (SEE DETAIL DWG #25-304)	EA	1
682-9020	HANDHOLE	EA	10
682-9950	DIRECTIONAL BORE	LF	400
682-8525	ELECTRICAL POWER SERVICE ASSEMBLY (UNDERGROUND SERVICE POINT)	EA	1

NOTE:

- POLES AND FIXTURES ARE SHOWN FOR REFERENCE ONLY. GENERAL CONTRACTOR TO PROVIDE ONLY LIGHT POLE FOUNDATIONS AND CONDUIT ARRANGEMENTS, AS WELL AS REMOVE STREETLIGHT CIRCUITS FROM METER PEDESTALS.
- GEORGIA POWER COMPANY WILL PROVIDE POLES, LIGHT FIXTURES AND WIRING; AND RETROFITTING OF EXISTING LIGHTS TO LED.



2 COA FIXTURE/ POLE TYPICAL WIRING DETAIL
25-204 N.T.S.



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Atlanta, GA 30308

REVISION DATES	

SPRING STREET ROAD IMPROVEMENT LIGHTING DETAILS AND SCHEDULES			
CHECKED:	RP	DATE:	5/23/2023
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			25-204

LIGHT FIXTURE SCHEDULE									
FITXTURE TYPE	DESCRIPTION	MANUFACTUER	MODEL NO.	INPUT VOLTAGE	LAMPS			MOUNTING AND/OR MOUNTING HEIGHT	SEE DETAIL COMMENTS
					No.	WATTAGE	TYPE		
AFC	COA POLE MOUNTED PEDESTRIAN LIGHT	HOLOPHANE PHILIPS HADCO KING LUMINAIRE OR AN APPROVED EQUAL	HOLOPHANE #AWOE2-P30-30K-AS-M-CMC-5-F-P-RBM-CMC CODA GREEN W/HOLOPHANE #NY(11.42)7C1-CACM-BC(0.75)12(0ALT45)-3T3-CL0CS BEARING PLT BREAKCOUP AB-31-4-RFD456374 CODA GREEN POLE OR PHILIPS HADCO #C13991A-4000K-CODA GREEN W/HAPCO #B35466-CODA GREEN OR KING LUMINAIRE #K134R-R1AR-V-100(S)SL1-1063-1-2027V-K-14-PR-TAW-3K-SMOOTH CODA GREEN FINISH W/JUNION 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 1 & 2/25-201
FA	POLE MOUNTED STREET LIGHT FIXTURE	GE, LUMEC, AEL OR AN APPROVED EQUAL	GE LIGHTING #ERLH-015-G-1-30-A-CODA GREEN W/HAPCO #B75832 CODA GREEN POLE OR LUMEC #RFM-1 60W-48 LED-3K-T-R3M-UNIV-DMG-RC07-CODA GREEN W/ACC-RFS-RFM-RFL-UNIV-PH8 OR AEL #ATB2-40BLED10-MVOLT-R2-3K-CMC-RFD20942(CODA GREEN) #P7-PCS5 W/HOLOPHANE #RTA32-3MA-Y-2070-TBASE-AB-27-4-RFD444933POLE	240	1	161	LED	POLE MOUNTED AT 30' HEIGHT	SEE DETAILS 1, 2 & 3/25-203
FF	STREET LIGHT FIXTURE, MOUNTED ON TRAFFIC LIGHT POLE	GE, LUMEC, AEL OR AN APPROVED EQUAL	GE LIGHTING #ERLH-015-G-1-30-A-CODA GREEN OR LUMEC #RFM-1 60W-48 LED-3K-T-R3M-UNIV-DMG-RC07-CODA GREEN W/ACC-RFS-RFM-RFL-UNIV-PH8 OR AEL #ATB2-40BLED10-MVOLT-R2-3K-CMC-RFD20942(CODA GREEN) #P7-PCS5	240	1	161	LED	POLE MOUNTED AT 30' HEIGHT	SEE DETAILS 2 & 3/25-203
FX1	EXISTING LIGHT FIXTURE, MOUNTED ON WOOD UTILITY POLE	GE, LUMEC, AEL OR AN APPROVED EQUAL	GE LIGHTING #ERLH-015-G-1-30-A-CODA GREEN OR LUMEC #RFM-1 60W-48 LED-3K-T-R3M-UNIV-DMG-RC07-CODA GREEN W/ACC-RFS-RFM-RFL-UNIV-PH8 OR AEL #ATB2-40BLED10-MVOLT-R2-3K-CMC-RFD20942(CODA GREEN) #P7-PCS5	240	1	161	LED	MOUNTED ON EXISTING WOOD UTILITY POLE, APPROXIMATELY 30' HIGH	CONVERT HID FIXTURE TO LED, SEE DETAIL 2/25-201
FX2	EXISTING COA TYPE 'A' LIGHT FIXTURE (TO REMAIN)	KING, HOLOPHANE PHILIPS LUMEC HOLOPHANE OR AN APPROVED EQUAL	KING LUMINAIRE #KR94-FARGD-#1-20-SSL-8060-208240-V-KFL-10-3K-SMOOTH-CODA GREEN FINISH OR PHILIPS LUMEC #RN20-1-25W80LED3K-T-GL-LE3R-208240-V-MA2-SC2731-1G47X CODA GREEN OR HOLOPHANE #MPL2-P305-30K-AS-CMC (CODA GREEN)-TG3-S Utility Teardrop LED	240	1	130	LED	MOUNTED APPROXIMATELY 30' HIGH	CONVERT HID FIXTURE TO LED SEE DETAIL 4/25-201
FX3	EXISTING COA TYPE 'CH' LIGHT FIXTURE (TO REMAIN)	GE, LUMEC, AEL OR AN APPROVED EQUAL	GE LIGHTING #ERLH-015-G-1-30-A-CODA GREEN OR LUMEC #RFM-1 60W-48 LED-3K-T-R3M-UNIV-DMG-RC07-CODA GREEN W/ACC-RFS-RFM-RFL-UNIV-PH8 OR AEL #ATB2-40BLED10-MVOLT-R2-3K-CMC-RFD20942(CODA GREEN) #P7-PCS5	240	1	161	LED	MOUNTED APPROXIMATELY 30' HIGH	CONVERT HID FIXTURE TO LED SEE DETAIL 2/25-201
AFX	EXISTING POLE MOUNTED PEDESTRIAN LIGHT	HOLOPHANE PHILIPS HADCO KING LUMINAIRE OR AN APPROVED EQUAL	HOLOPHANE #AWOE2-P30-30K-AS-M-CMC-5-F-P-RBM-CMC CODA GREEN OR PHILIPS HADCO #C13991A-4000K-CODA GREEN OR KING LUMINAIRE #K134R-R1AR-V-100(S)SL1-1063-1-2027V-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 1/25-201

LIGHT FIXTURE I.D. AND LOCATION				
TAG	STATION NO.	OFFSET	STREET/ROAD/PATH	DESCRIPTION
FX1-001	101-19.00	22'-2" R	Spring Street	Existing Cobra Head Fixture, Mounted On Wood Pole
AFC-001	101-50.00	24'-3" R	Spring Street	New LED Pedestrian Light Fixture
FX3-001	101-55.00	23'-0" L	Spring Street	Existing Cobra Head Fixture, COA Type "CH"
AFC-002	101-87.00	24'-3" L	Spring Street	New LED Pedestrian Light Fixture
FX1-002	101-89.00	22'-2" R	Spring Street	Existing Cobra Head Fixture, Mounted On Wood Pole
AFC-003	102-47.00	24'-3" L	Spring Street	New LED Pedestrian Light Fixture
AFC-004	102-47.00	24'-3" R	Spring Street	New LED Pedestrian Light Fixture
FA-002	103-07.00	24'-3" L	Spring Street	New LED Cobra Head Fixture, COA Type "CH"
FX1-003	103-19.00	22'-2" R	Spring Street	Existing Cobra Head Fixture, Mounted On Wood Pole
AFC-006	103-67.00	24'-3" L	Spring Street	New LED Pedestrian Light Fixture
FX1-004	104-22.00	23'-6" R	Spring Street	Existing Cobra Head Fixture, Mounted On Wood Pole
AFC-007	104-27.00	24'-3" L	Spring Street	New LED Pedestrian Light Fixture
FA-003	104-87.00	24'-3" L	Spring Street	New LED Cobra Head Fixture, COA Type "CH"
AFC-010	105-47.00	24'-3" L	Spring Street	New LED Pedestrian Light Fixture
FX1-005	106-08.00	22'-0" R	Spring Street	Existing Cobra Head Fixture, Mounted On Wood Pole
FF-001	106-01.42	32'-5" L	Spring Street	New LED Cobra Head Fixture, Mounted On Traffic Pole
AFC-011	106-51.00	24'-3" R	Spring Street	New LED Pedestrian Light Fixture
AFC-012	106-67.00	24'-3" L	Spring Street	New LED Pedestrian Light Fixture
FX1-006	107-03.00	22'-0" R	Spring Street	Existing Cobra Head Fixture, Mounted On Wood Pole
AFC-013	107-27.00	24'-3" L	Spring Street	New LED Pedestrian Light Fixture
AFC-014	107-60.00	24'-3" R	Spring Street	New LED Pedestrian Light Fixture
FA-006	107-87.00	24'-3" L	Spring Street	New LED Cobra Head Fixture, COA Type "CH"
FX1-007	108-10.00	22'-0" R	Spring Street	Existing Cobra Head Fixture, Mounted On Wood Pole
AFC-015	108-47.00	24'-3" L	Spring Street	New LED Pedestrian Light Fixture
AFC-016	108-88.00	24'-3" R	Spring Street	New LED Pedestrian Light Fixture
AFC-017	109-07.00	24'-3" L	Spring Street	New LED Pedestrian Light Fixture
FX1-008	109-21.00	22'-0" R	Spring Street	Existing Cobra Head Fixture, Mounted On Wood Pole
AFC-018	109-57.00	24'-3" R	Spring Street	New LED Pedestrian Light Fixture
FA-007	109-67.00	24'-3" L	Spring Street	New LED Cobra Head Fixture, COA Type "CH"
FX1-009	109-92.00	22'-0" R	Spring Street	Existing Cobra Head Fixture, Mounted On Wood Pole
AFC-020	110-47.00	24'-3" R	Spring Street	New LED Pedestrian Light Fixture
FX1-010	110-97.00	21'-6" R	Spring Street	Existing Cobra Head Fixture, Mounted On Wood Pole
AFC-022	111-53.00	24'-3" R	Spring Street	New LED Pedestrian Light Fixture
FX1-011	112-03.00	21'-6" R	Spring Street	Existing Cobra Head Fixture, Mounted On Wood Pole
FX1-012	112-88.00	22'-7" L	Spring Street	Existing Cobra Head Fixture, Mounted On Wood Pole
FX1-013	112-88.00	22'-7" L	Spring Street	Existing Cobra Head Fixture, Mounted On Wood Pole
FX3-002	113-03.00	23'-0" L	Spring Street	Existing Cobra Head Fixture, COA Type "CH"
AFC-025	113-24.00	24'-3" R	Spring Street	New LED Pedestrian Light Fixture
AFC-026	114-00.00	26'-3" L	Spring Street	New LED Pedestrian Light Fixture
FX2-001	114-86.00	24'-0" R	Spring Street	Existing Teardrop Fixture, COA Type "A"
AFC-028	115-34.00	24'-3" L	Spring Street	New LED Pedestrian Light Fixture
FX2-002	115-61.00	24'-0" R	Spring Street	Existing Teardrop Fixture, COA Type "A"
AFC-029	115-95.00	24'-3" L	Spring Street	New LED Pedestrian Light Fixture
FX2-003	116-40.00	25'-2" R	Spring Street	Existing Teardrop Fixture, COA Type "A"
FX2-004	117-31.00	25'-6" R	Spring Street	Existing Teardrop Fixture, COA Type "A"
FX2-005	118-11.00	26'-0" R	Spring Street	Existing Teardrop Fixture, COA Type "A"
FX2-006	118-90.00	25'-6" R	Spring Street	Existing Teardrop Fixture, COA Type "A"

NOTE:

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- GEORGIA POWER COMPANY WILL PROVIDE POLES, LIGHT FIXTURES AND WIRING; AND RETROFITTING OF EXISTING LIGHTS TO LED.

Existing Light Fixture Schedule				
Fixture ID	Type	Mounting	Mounting Height (FT)	Comments
FX1-001	Cobra Head	Wood Utility Pole	30	Existing Fixture, Convert To LED
FX1-002	Cobra Head	Wood Utility Pole	30	Existing Fixture, Convert To LED
FX1-003	Cobra Head	Wood Utility Pole	30	Existing Fixture, Convert To LED
FX1-004	Cobra Head	Wood Utility Pole	30	Existing Fixture, Convert To LED
FX1-005	Cobra Head	Wood Utility Pole	30	Existing Fixture, Convert To LED
FX1-006	Cobra Head	Wood Utility Pole	30	Existing Fixture, Convert To LED
FX1-007	Cobra Head	Wood Utility Pole	30	Existing Fixture, Convert To LED
FX1-008	Cobra Head	Wood Utility Pole	30	Existing Fixture, Convert To LED
FX1-009	Cobra Head	Wood Utility Pole	30	Existing Fixture, Convert To LED
FX1-010	Cobra Head	Wood Utility Pole	30	Existing Fixture, Convert To LED
FX1-011	Cobra Head	Wood Utility Pole	30	Existing Fixture, Convert To LED
FX1-012	Cobra Head	Wood Utility Pole	30	Existing Fixture, Convert To LED
FX1-013	Cobra Head	Wood Utility Pole	30	Existing Fixture, Convert To LED
FX2-001	Pendant Head	Steel Pole (COA Type A)	28	Existing Fixture, Convert To LED
FX2-002	Pendant Head	Steel Pole (COA Type A)	28	Existing Fixture, Convert To LED
FX2-003	Pendant Head	Steel Pole (COA Type A)	28	Existing Fixture, Convert To LED
FX2-004	Pendant Head	Steel Pole (COA Type A)	28	Existing Fixture, Convert To LED
FX2-005	Pendant Head	Steel Pole (COA Type A)	28	Existing Fixture, Convert To LED
FX2-006	Pendant Head	Steel Pole (COA Type A)	28	Existing Fixture, Convert To LED
FX3-001	Cobra Head	Steel Pole (COA Type CH)	30	Existing Fixture, Convert To LED
FX3-002	Cobra Head	Steel Pole (COA Type CH)	30	Existing Fixture, Convert To LED
AFX-001	Post Top	Aluminum Pole (COA Type C)	12	Existing Fixture, Convert To LED

NOTE:

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



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REVISION DATES

SPRING STREET ROAD IMPROVEMENT
 SCHEDULES

CHECKED:	RP	DATE:	5/23/2023	DRAWING No. 25-205
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		
VERIFIED:		DATE:		

CITY OF ATLANTA
STREET LIGHT CHECK LIST

PANEL		PSC1										
VOLTAGE (L-N):	120	ENCLOSURE TYPE:	----									
VOLTAGE (L-L):	240	MOUNTING:	SURFACE									
PHASES, WIRES:	1 ϕ , 3 W	AIC RATING:	0									
MINIMUM BUS CAPACITY (A):	100 A	NOTES:	----									
MAIN O.C. DEVICE (A):	100 A											
CKT NO	DESCRIPTION	TRIP AMPS	POLE	PHASE LOADS (VA)				POLE	TRIP AMPS	DESCRIPTION	CKT NO	
				A	B							
1,3	Main Circuit Breaker	20	2	0	100			1	20	Lighting Controls	2	
1,3	Main Circuit Breaker	20	2		0	0		1	20		4	
5	Cabinet Recept	20	1	180	0			1	20		6	
7	Cabinet Lgts	20	1		100	0		1	20		8	
9,11	Street Lights	20	2	375	714			2	100	PANEL PSC2	10,12	
9,11	Street Lights	20	2		375	714		2	100	PANEL PSC2	10,12	
13	----	20	1	0	0			1	20		14	
15	----	20	1		0	0		1	20		16	
				CONNECTED LOAD PHASE TOTALS (VA)								
				1369		1189						
				CONNECTED LOAD (KVA)	DEMAND FACTOR	DEMAND LOAD (KVA)			DEMAND LOAD	3.1KVA		
				Lighting	2.3	1.25			SPARE CAPACITY	20.9 KVA		
				Receptacles (0 - 10 KVA)	0.2	1.00			SPARE CAPACITY	87.0 AMPS		
				Equipment	0.1	1.00			SPARE CAPACITY	87 %		
TOTAL:				2.6		3.1						
LOAD (AMPS):				10.7		13.0						

- 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 (26") 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 liriopce 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 cota 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 requirement. 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:
 - General Contractor Name
Company Name
Company Address
Contact Number
Email Address
 - Electrician Name
Company Name
Company Address
Contact Number
Email Address

- The attic stock (required 10%) must be delivered to 124 Claire Drive, SW before the 30 Days Burn begins.
- A final wiring diagram and street light plan (if changed from the original approval) must be submitted before the transfer is completed.
- The Street Light Division can be contacted for inspections or questions at the following:
 - Adanegn Woldemichael: agwoldemichael@atlantaga.gov 404-291-5053
 - Curtis Williams: cwilliams@atlantaga.gov 470-829-6145
 - Rawle Gibbs: rgibbs@atlantaga.gov 404-831-3507

The completion of the inspection will result in a letter of approval to begin the 30 days burn or a punch list. Please allow time for the lights to be transferred over to the City of Atlanta after the 30 days burn period ends. If the lights are turned nonoperation or account closed before the end of the 30 days burn period and/or before the lights are transferred, a new inspection 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 cover before inspection(s) - **No pictures will be accepted.**
- During Installation - conduit positions, rebar and cages
- After installations - to complete the following:
 - Wiring;
 - Quantity and types of lights (including City of Atlanta gold emblem);
 - Spacing and layout of the lights (Light vs. tree & driveway spacing);
 - Poles and luminaire fixtures for proper installation, functionality and type of light;
 - The service points for location and wiring;
 - 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:

- Stemberg
- Power from the building
- 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).

PANEL		PSC2										
VOLTAGE (L-N):	120	ENCLOSURE TYPE:	----									
VOLTAGE (L-L):	240	MOUNTING:	SURFACE									
PHASES, WIRES:	1 ϕ , 3 W	AIC RATING:	0									
MINIMUM BUS CAPACITY (A):	100 A	NOTES:	----									
MAIN O.C. DEVICE (A):	100 A											
CKT NO	DESCRIPTION	TRIP AMPS	POLE	PHASE LOADS (VA)				POLE	TRIP AMPS	DESCRIPTION	CKT NO	
				A	B							
1,3	----	20	2	136	340			2	20	Pedestrian Lights	2,4	
1,3	----	20	2		136	340		2	20	Pedestrian Lights	2,4	
5,7	Pedestrian Lights	20	2	238	0			2	20	Pedestrian Lights	6,8	
5,7	Pedestrian Lights	20	2		238	0		2	20	Pedestrian Lights	6,8	
9	----	20	1	0	0			1	20		10	
11	----	20	1		0	0		1	20		12	
13	----	20	1	0	0			1	20		14	
15	----	20	1		0	0		1	20		16	
				CONNECTED LOAD PHASE TOTALS (VA)								
				714		714						
				CONNECTED LOAD (KVA)	DEMAND FACTOR	DEMAND LOAD (KVA)			DEMAND LOAD	1.8 KVA		
				Lighting	1.4	1.25			SPARE CAPACITY	22.2 KVA		
									SPARE CAPACITY	92.6 AMPS		
									SPARE CAPACITY	93 %		
TOTAL:				1.4		1.8						
LOAD (AMPS):				5.9		7.4						



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

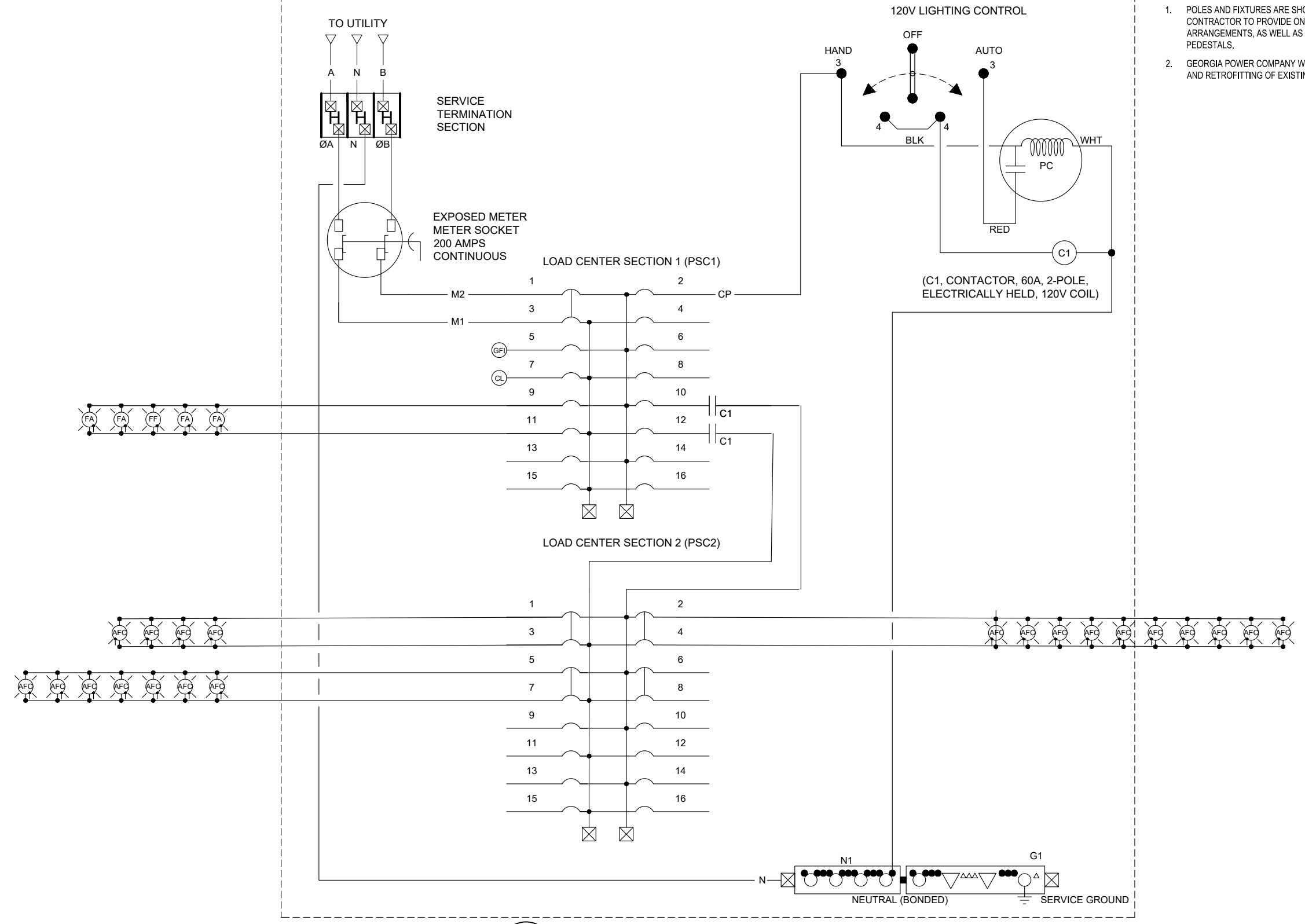
Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 601, 817 West Peachtree Street, NW
Atlanta, GA 30308

REVISION DATES

SPRING STREET ROAD IMPROVEMENT
SCHEDULES

CHECKED:	RP	DATE:	5/23/2023	DRAWING No. 25-206
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		
VERIFIED:		DATE:		

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



- NOTE:
1. POLES AND FIXTURES ARE SHOWN FOR REFERENCE ONLY. GENERAL CONTRACTOR TO PROVIDE ONLY LIGHT POLE FOUNDATIONS AND CONDUIT ARRANGEMENTS, AS WELL AS REMOVE STREETLIGHT CIRCUITS FROM METER PEDESTALS.
 2. GEORGIA POWER COMPANY WILL PROVIDE POLES, LIGHT FIXTURES AND WIRING; AND RETROFITTING OF EXISTING LIGHTS TO LED.

1 LIGHTING WIRING DIAGRAM (TYPICAL)
25-301 N.T.S.

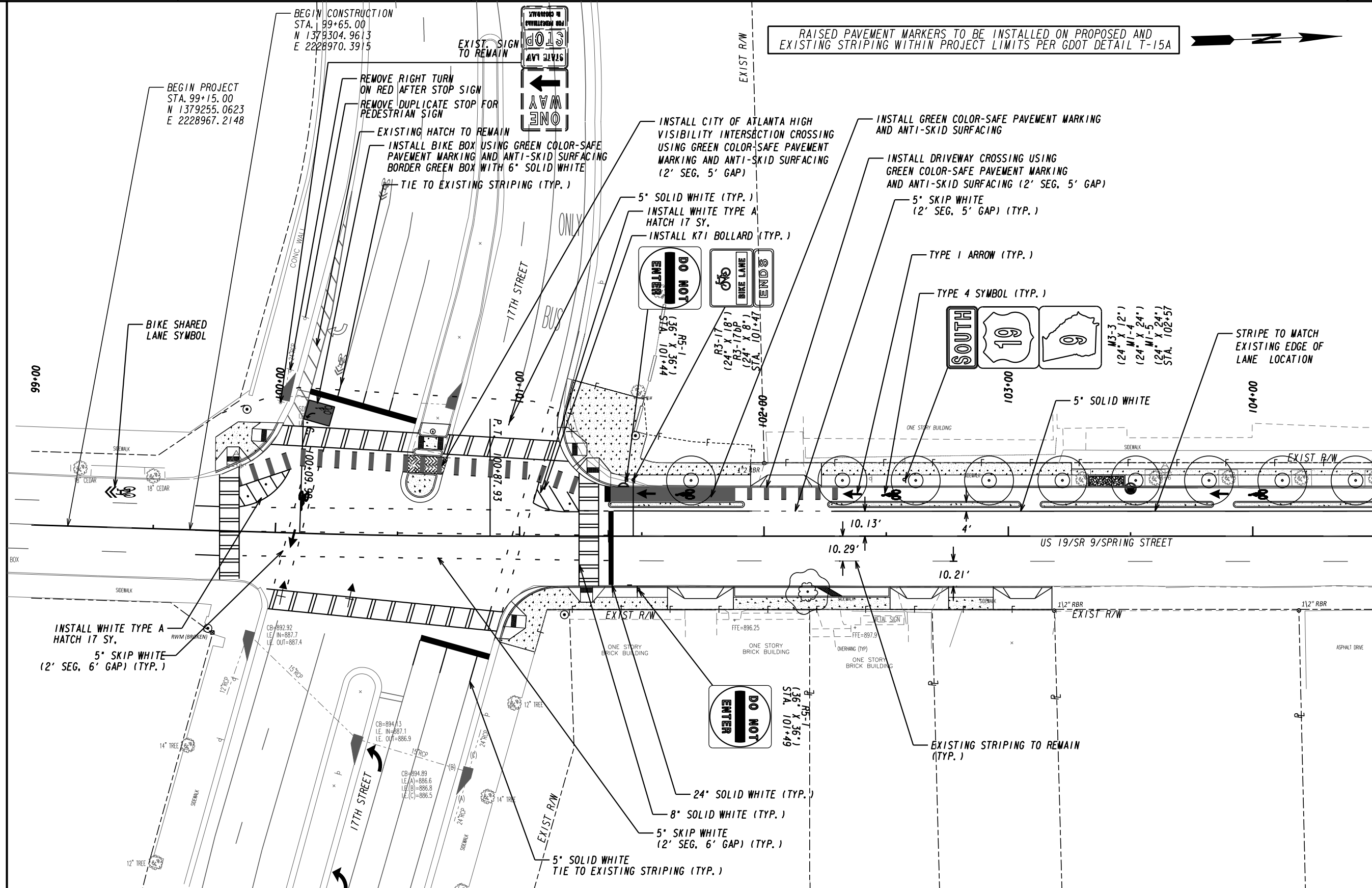


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1312 KILLIAN WAY
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PHONE: 770-806-0143

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Consultants
Suite 601, 817 West Peachtree Street, NW
Atlanta, GA 30308

REVISION DATES	

SPRING STREET ROAD IMPROVEMENT WIRING DIAGRAMS			
CHECKED:	RP	DATE:	5/23/2023
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			25-301



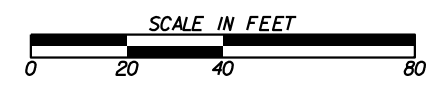
RAISED PAVEMENT MARKERS TO BE INSTALLED ON PROPOSED AND EXISTING STRIPING WITHIN PROJECT LIMITS PER GDOT DETAIL T-15A



DRAWING No. 26-0002
MATCH LINE STA. 104+50

Kimley»Horn

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Suite 601, 817 West Peachtree Street, NW
Atlanta, GA 30308



REVISION DATES

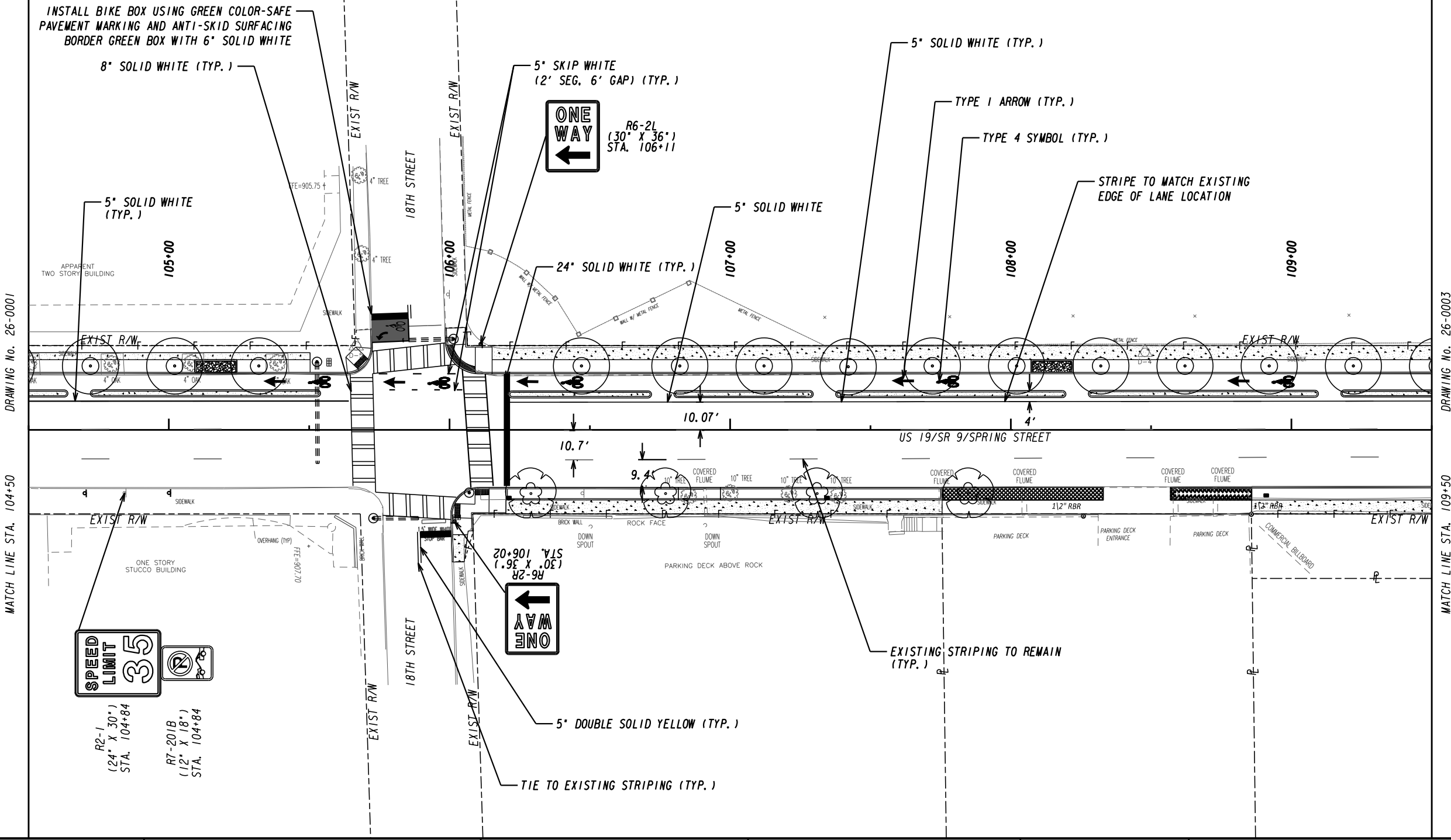
NO.	DATE	DESCRIPTION

SIGNING AND MARKING PLANS

Spring Street Bike and Pedestrian Improvements

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

RAISED PAVEMENT MARKERS TO BE INSTALLED ON PROPOSED AND EXISTING STRIPING WITHIN PROJECT LIMITS PER GDOT DETAIL T-15A

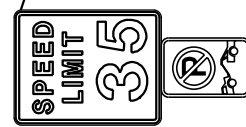


DRAWING No. 26-0001

MATCH LINE STA. 104+50

DRAWING No. 26-0003

MATCH LINE STA. 109+50



R2-1
(24" X 30")
STA. 104+84

R7-201B
(12" X 18")
STA. 104+84

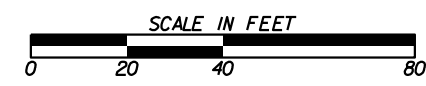


R6-2R
(30" X 36")
STA. 106+02



R6-2L
(30" X 36")
STA. 106+11

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Atlanta, GA 30308



REVISION DATES

NO.	DATE	DESCRIPTION

SIGNING AND MARKING PLANS

Spring Street Bike and Pedestrian Improvements

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

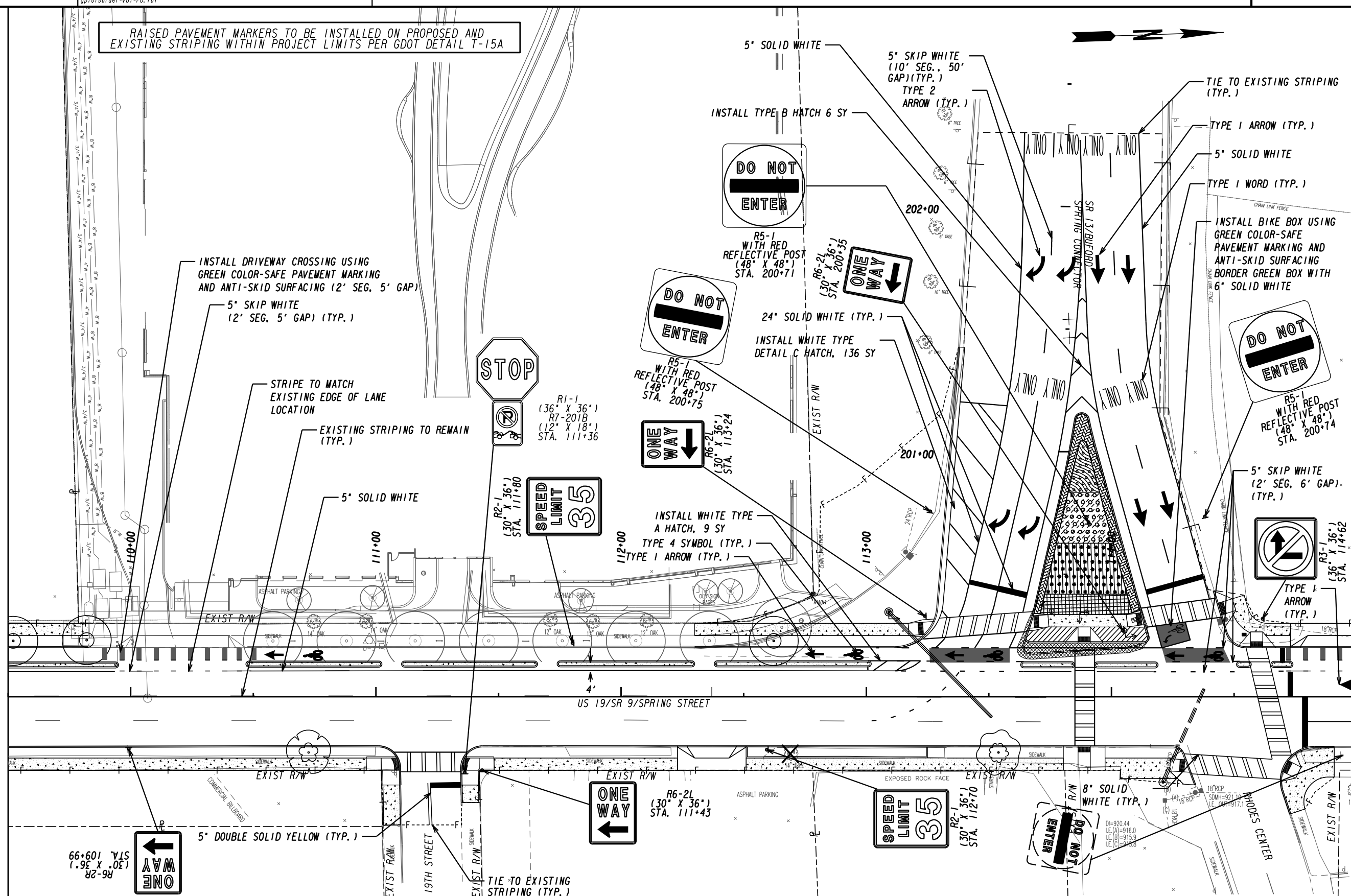
RAISED PAVEMENT MARKERS TO BE INSTALLED ON PROPOSED AND EXISTING STRIPING WITHIN PROJECT LIMITS PER GDOT DETAIL T-15A

DRAWING No. 26-0002

MATCH LINE STA. 109+50

DRAWING No. 26-0004

MATCH LINE STA. 115+00



R6-2R (30' X 36') STA. 109+99

R1-1 (36' X 36') R7-201B (12' X 18') STA. 111+36

R2-1 (30' X 36') STA. 111+80

R5-1 WITH RED REFLECTIVE POST (48' X 48') STA. 200+75

R6-2L (30' X 36') STA. 113+24

R5-1 WITH RED REFLECTIVE POST (48' X 48') STA. 200+71

R6-2L (30' X 36') STA. 200+35

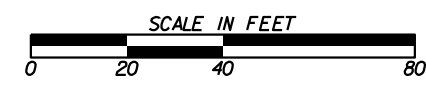
R6-2L (30' X 36') STA. 111+43

R2-1 (30' X 36') STA. 112+70

R5-1 WITH RED REFLECTIVE POST (48' X 48') STA. 200+74

R3-1 (36' X 36') STA. 114+62

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 Atlanta, GA 30308



REVISION DATES

SIGNING AND MARKING PLANS		Spring Street Bike and Pedestrian Improvements	
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	26-0003	
CORRECTED:	DATE:		
VERIFIED:	DATE:		

RAISED PAVEMENT MARKERS TO BE INSTALLED ON PROPOSED AND EXISTING STRIPING WITHIN PROJECT LIMITS PER GDOT DETAIL T-15A

REMOVE AND REPLACE ALL TP 3 ARROWS WITH TP 1 ARROWS, INCLUDING NORTH OF SHEET EXTENTS (4 TOTAL, APPROX. 500 FEET NORTH OF INTERSECTION)*

END PROJECT
END CONSTRUCTION
STA. 120+60.00
N 1381398.7423
E 2229040.8786

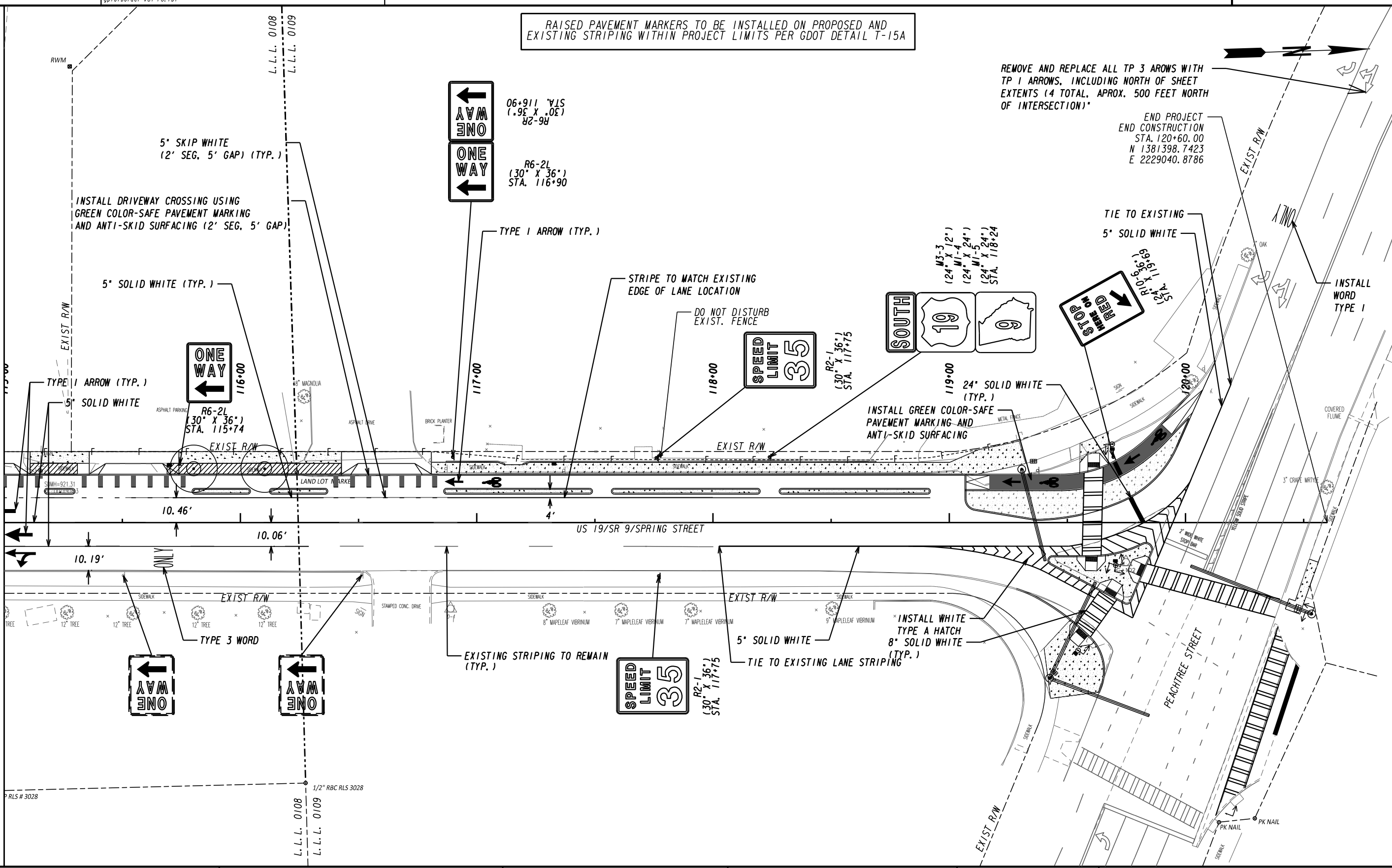
DRAWING No. 26-0003

MATCH LINE STA. 115+00

PLS # 3028

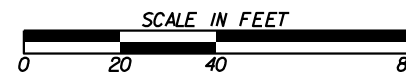
L.L.L. 0108
L.L.L. 0109

10/23/2015 GPLN



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Atlanta, GA 30308



REVISION DATES

NO.	DATE	DESCRIPTION

SIGNING AND MARKING PLANS

Spring Street Bike and Pedestrian Improvements

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

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 CITY OF ATLANTA AND GEORGIA DEPARTMENT OF TRANSPORTATION 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 CITY OF ATLANTA AS DIRECTED BY THE CITY TRAFFIC ENGINEER. DELIVERY OF EQUIPMENT SHALL BE COORDINATED WITH CITY OF ATLANTA, TRAFFIC OPERATIONS.
- CONTACT INFORMATION
 CLYDE MOORE (404) 561-3822
 MICHAEL JAMES (404) 938-2038
 RAWLE GIBBS (404)-831-3507
9. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING POLE FOUNDATION DESIGNS TO THE CITY TRAFFIC ENGINEER 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. POLES SHALL BE INSTALLED PER THE PLANS. CONTRACTOR SHALL ENSURE AN ADA PATH EXISTS AROUND ANY PROPOSED POLE INSTALLATIONS BASED ON FIELD CONDITIONS.
 12. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS FROM THE DEPARTMENT OF PUBLIC WORKS 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, TP IV STEEL STRAIN POLES.
 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	RELOCATED 3-SECTION HEAD
4-SECTION HEAD	3-SECTION HEAD W/BACKPLATE
5-SECTION/T-SHAPED HEAD	4-SECTION HEAD W/BACKPLATE
OVERHEAD SIGN	5-SECTION/T-SHAPED HEAD W/BACKPLATE
PEDESTAL POLE	OVERHEAD SIGN
PEDESTRIAN SIGNAL HEAD	PEDESTAL POLE
SIGN POST	PEDESTRIAN SIGNAL HEAD
CURB CUT RAMP	SIGN POST
DETECTABLE WARNING SURFACE	CURB CUT RAMP
PULLBOX, TP 1	DETECTABLE WARNING SURFACE
PULLBOX, TP 2	PULLBOX, TP 1
PULLBOX, TP 3	PULLBOX, TP 2
PULLBOX, TP 4/4S	PULLBOX, TP 3
PULLBOX, TP 5/5S	PULLBOX, TP 4/4S
6x6 INDUCTIVE LOOP DETECTOR	PULLBOX, TP 5/5S
6x6 VIRTUAL DETECTION ZONE	6x6 INDUCTIVE LOOP DETECTOR
6x40 INDUCTIVE LOOP DETECTOR	6x6 VIRTUAL DETECTION ZONE
6x40 VIRTUAL DETECTION ZONE	6x40 INDUCTIVE LOOP DETECTOR
6x40 INDUCTIVE LOOP DETECTOR (QUADRUPOLE)	6x40 VIRTUAL DETECTION ZONE
6x6 MAGNETOMETER SENSOR/DETECTION ZONE	6x40 INDUCTIVE LOOP DETECTOR (QUADRUPOLE)
CONDUIT	6x6 MAGNETOMETER SENSOR/DETECTION ZONE
RAILROAD CONTROLLER	CONDUIT
SIGN POST	RAILROAD CONTROLLER
VIDEO DETECTION CAMERA	SIGN POST
WIRELESS SENSOR	VIDEO DETECTION CAMERA
SPP RADIO	WIRELESS SENSOR
WIRELESS REPEATER	SPP RADIO
DIGITAL WAVE RADAR UNIT	WIRELESS REPEATER
	DIGITAL WAVE RADAR UNIT

REVISION DATES

SIGNAL PLANS

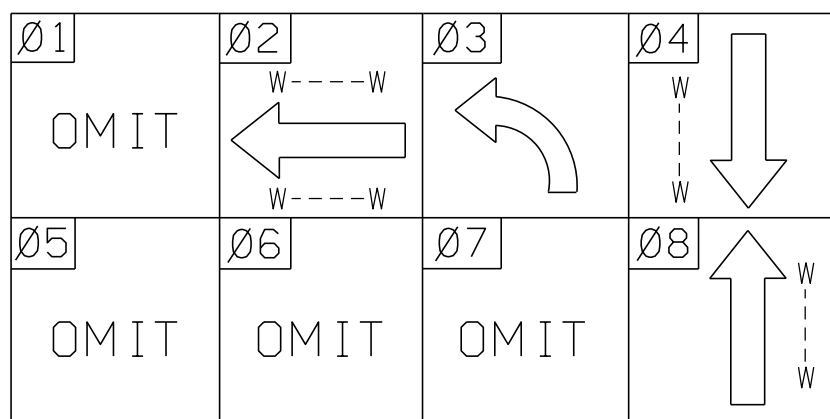
SIGNAL NOTES AND LEGEND

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

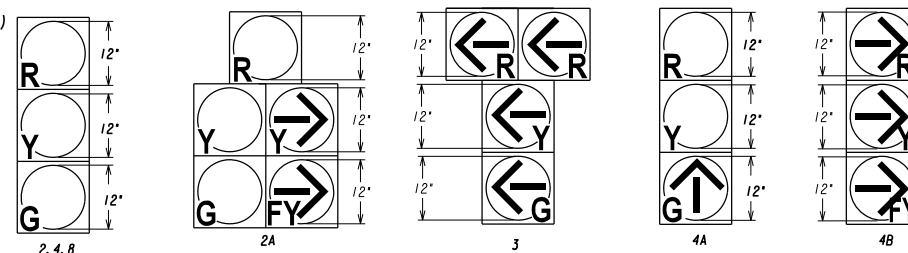
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Suite 601, 817 West Peachtree Street, NW
Atlanta, GA 30308

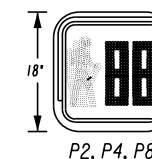
PHASING DIAGRAM



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



LED COUNTDOWN
PEDESTRIAN
SIGNAL HEADS



EXISTING STRAIN POLE WITH P2 AND P4 PEDESTRIAN SIGNAL HEADS,
PUSH BUTTON STATIONS, AND SIGNS TO REMAIN

- INSTALL R10-15 (MOD)
- INSTALL R10-11
- REMOVE EXISTING PHASE 2 SIGNAL HEAD
- RETAIN:
-EXISTING D3-1 (*1)
- REALIGN EXISTING PHASE 2 SIGNAL HEAD
- REALIGN EXISTING PHASE 2 SIGNAL HEAD

EXISTING RADAR ZONE TO REMAIN (TYP.)

INSTALL:
-CONDUIT, NM, TP 3, 2-2"
(150 LF) IN 3" DIRECTIONAL
BORE (75 LF)

INSTALL:
-PUSH BUTTON POST WITH
P2 PUSH BUTTON AND SIGN
- TP 2 PULLBOX

RADAR PRESENCE DETECTION
UNIT TO REMAIN. RECONFIGURE
FOR DETECTION OF BICYCLES
WITHIN 17TH STREET AND WITHIN
BIKE BOX

REALIGN EXISTING PHASE 8 SIGNAL HEAD

RETAIN:
-EXISTING D3-1 (*2)

REALIGN EXISTING PHASE 8 SIGNAL HEAD

EXISTING STRAIN POLE WITH P2 AND P8 PEDESTRIAN SIGNAL HEADS,
PUSH BUTTON STATIONS, AND SIGNS TO REMAIN

SR 9/SPRING STREET (35 MPH)

SR 9/SPRING STREET (35 MPH)

INSTALL R10-15 (MOD)

EXISTING SIGNAL CONTROL CABINET TO REMAIN

EXISTING STRAIN POLE WITH P2 AND P4 PEDESTRIAN SIGNAL HEADS,
PUSH BUTTON STATIONS, AND SIGNS TO REMAIN

INSTALL R10-11

INSTALL RIGHT TURN SIGNAL HEAD FOR PHASE 4 RT LANE

REALIGN EXISTING PHASE 4 SIGNAL HEAD

RETAIN:
-EXISTING D3-1 (*2)

REALIGN EXISTING PHASE 4 SIGNAL HEAD

REALIGN EXISTING PHASE 4 SIGNAL HEAD

INSTALL R3-2

RECONFIGURE RADAR ZONES FOR
PROPOSED STOP BAR LOCATIONS (TYP)

EXISTING STRAIN POLE WITH P2 AND P8 PEDESTRIAN SIGNAL HEADS,
PUSH BUTTON STATIONS, AND SIGNS TO REMAIN

RADAR PRESENCE DETECTION
UNIT TO REMAIN. RECONFIGURE
FOR DETECTION OF BICYCLES
WITHIN 17TH STREET.

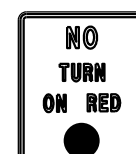
OVERHEAD SIGNS



R3-2
36"X36"
1 REQD

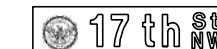


R10-15 (MOD)
30"X30"
2 REQD



R10-11
36"X48"
2 REQD

OVERHEAD STREET NAME SIGNS

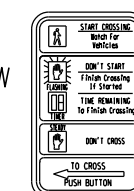


D3-1 (*1)
60"X18"
WHITE ON GREEN
1 REQD

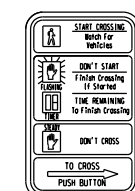


D3-1 (*2)
78"X18"
WHITE ON GREEN
2 REQD

PEDESTRIAN SIGNS



R10-3e(L)
9"X15"



R10-3e(R)
9"X15"

SIGNAL LEGEND

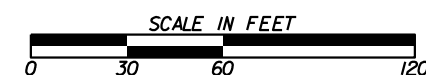
- ➔ PROPOSED 3-SEC SIGNAL HEAD
- ➔➔ PROPOSED 4-SEC SIGNAL HEAD
- ➔➔ EXISTING 3-SEC SIGNAL HEAD
- ➔➔ PROPOSED 5-SEC (CLUSTER)/T-SHAPED SIGNAL HEAD
- ➔➔ RELOCATED SIGNAL HEAD
- ⤴ PEDESTRIAN SIGNAL HEAD

DETECTION LEGEND

- ▨ PROPOSED VIRTUAL DETECTION ZONE
- ▬ PROPOSED INDUCTIVE LOOP
- ◼ PROPOSED VIDEO DETECTION CAMERA
- ⊙ PROPOSED MAGNETOMETER
- ◻ PROPOSED RADAR

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Suite 601, 817 West Peachtree Street, NW
Atlanta, GA 30308



REVISION DATES

NO.	DATE	DESCRIPTION

SIGNAL PLANS

SIGNAL INSTALLATION #1
SR 9/SPRING ST @ 17TH ST

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

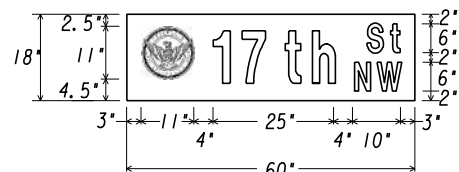
LIST OF MATERIALS FOR TRAFFIC SIGNAL INSTALLATION - NO. 1
 LOCATION: SPRING STREET AT 17TH STREET
 QUANTITIES ARE FOR INFORMATION ONLY
 CONTRACTOR SHOULD FIELD VERIFY PRIOR TO ORDERING MATERIALS

332 CABINET INPUT FILES ASSIGNMENT																	
SLOT	1 2 3 4 5 6 7 8 9 10 11 12 13 14																
	TYPE																
CARD	2-CHAN																
	UPPER INPUT FILE (I)	CHANNEL 1	CI 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.							R3	R4A	R4C					Phase 2			
UPPER INPUT FILE (I)	CHANNEL 2	CI 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	1	4	6	7	9	12	14	15	18						
		LN. ASSIGN.							R4B	R4D				Phase 4	Phase 8		
LOWER INPUT FILE (J)	CHANNEL 1	CI 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	29	31	33	35	37						
		LN. ASSIGN.							R8A	R8B							
LOWER INPUT FILE (J)	CHANNEL 2	CI 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	19	22	24	25	29	32	34	35	38						
		LN. ASSIGN.															

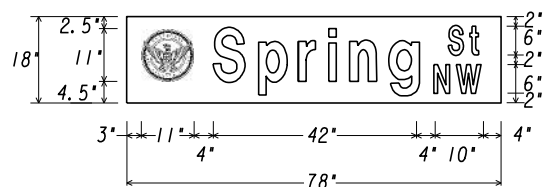
MATERIALS	UNIT	QUANTITY
SIGNAL CABLE (14 AWG) A. 7 CONDUCTOR, PER 1000 FT.	REEL	2
HARDWARE FOR SPAN WIRE MOUNTING (3 OR 4 SECTION SIGNALS)	EA	1
HARDWARE FOR SPAN WIRE MOUNTING (5 SECTION CLUSTER)	EA	1
4-SECTION T-SHAPE, 12" SIGNAL HEAD LED-, BLACK HOUSING W/ BLACK FRONT, PLASTIC	EA	1
5-SECTION, 12" SIGNAL HEAD LED- (CLUSTER), BLACK HOUSING W/ BLACK FRONT, PLASTIC	EA	1
BACKPLATE FOR ONE-WAY, 4-SECTION T-SHAPE, 12" SIGNAL HEAD ABS PLASTIC, BLACK W/ 2" RETROREFLECTIVE STRIP	EA	1
BACKPLATE FOR ONE-WAY, 5-SECTION, CLUSTERED, 12" SIGNAL HEAD ABS PLASTIC, BLACK W/ 2" RETROREFLECTIVE STRIP	EA	1
PULL BOX, PB-2	EA	1
CONDUIT, NONMETL, TP 3, 2 IN	LF	150
R10-11 SIGN	EA	2
R10-15 (MOD) SIGN	EA	1
MISC MATL TO COMPLETE INSTALLATION	LUMP	LUMP
PAY ITEM	UNIT	QUANTITY
647-1000 TRAFFIC SIGNAL INSTALLATION - NO. 1	LS	1
682-9950 DIRECTIONAL BORE - 3"	LF	75

SIGN SUMMARY

LOCATION	CODE	SIZE	QUANTITY	SQ. FT.
SPRING STREET @ 17th STREET	D3-1(*1)	42" X 18"	1	5.25
SPRING STREET @ 17th STREET	D3-1(*2)	54" X 18"	2	13.5
TOTAL				18.75



D3-1 (*1)
 60" X 18"
 WHITE ON GREEN
 1 REQD
 SERIES D 11" UPPER CASE



D3-1 (*2)
 78" X 18"
 WHITE ON GREEN
 2 REQD
 SERIES D 11" UPPER CASE

REVISION DATES

NO.	DATE	DESCRIPTION

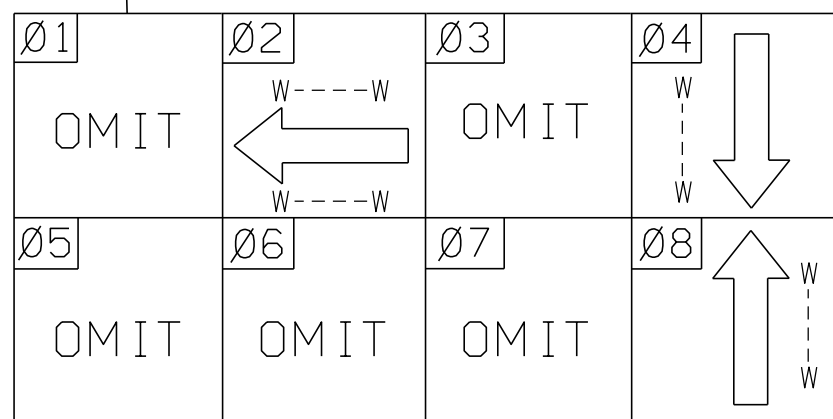
SIGNAL PLANS
 SIGNAL INSTALLATION *1
 SR 9/SPRING ST @ 17TH ST

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

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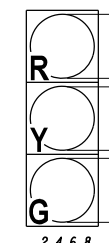
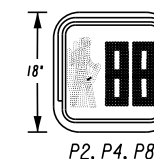
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 Atlanta, GA 30308

PHASING DIAGRAM



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

LED COUNTDOWN
PEDESTRIAN
SIGNAL HEADS



INSTALL 6'X40' QUADRUPOLE LOOP (TYP.)
RUN LOOP LEAD IN CABLE THROUGH EXISTING CONDUIT TO EXISTING CABINET

EXISTING STRAIN POLE, MAST ARM (APPROX. 35'), P2 AND P4 PEDESTRIAN SIGNAL HEADS, PULLBOX, PUSH BUTTON STATIONS, AND SIGNS TO REMAIN

INSTALL: -R10-15 (MOD)
INSTALL: -R10-11
INSTALL: -D3-1 (*1)

REALIGN PHASE 2 SIGNAL HEAD

REALIGN PHASE 2 SIGNAL HEAD

EXISTING PHASE 2 SIGNAL HEAD TO REMAIN

REALIGN PHASE 8 SIGNAL HEAD

INSTALL: -D3-1 (*2)

EXISTING PHASE 8 SIGNAL HEAD TO REMAIN

EXISTING STRAIN POLE, MAST ARM (APPROX. 20'), P2 AND P8 PEDESTRIAN SIGNAL HEADS, PUSH BUTTON STATIONS, AND SIGNS TO REMAIN

INSTALL: -3, 6' X 6' SETBACK LOOPS, PHASE 2

SR 9/SPRING STREET (35 MPH)

SR 9/SPRING STREET (35 MPH)

EXISTING STRAIN POLE, MAST ARM (APPROX. 15'), P4 AND P2 PEDESTRIAN SIGNAL HEADS, PUSH BUTTON STATIONS, AND SIGNS TO REMAIN
INSTALL: -R10-11

EXISTING PHASE 4 SIGNAL HEAD TO REMAIN

EXISTING PHASE 4 SIGNAL HEAD TO REMAIN

INSTALL: -PULL BOX, TP 2

INSTALL: -CONDUIT, NM, TP 3, 1-2" (115 LF) IN 3" DIRECTIONAL BORE

INSTALL: -PULL BOX, TP 2

INSTALL: -CONDUIT, NM, TP 3, 1-2" (10 LF)

INSTALL: -PULL BOX, TP 2

INSTALL: -CONDUIT, NM, TP 3, 1-2" IN 3" DIRECTIONAL BORE (160 LF)

EXISTING P2 AND P8 PEDESTRIAN SIGNAL HEADS, PUSH BUTTON STATIONS, AND SIGNS TO REMAIN

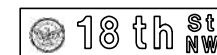
EXISTING SIGNAL CONTROL CABINET AND PULLBOX TO REMAIN

RUN LOOP LEAD IN CABLE THROUGH EXISTING CONDUIT TO EXISTING CABINET

OVERHEAD SIGNS

PEDESTRIAN SIGNS

STREET NAME SIGNS



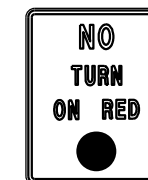
D3-1 (*1)
60"X18"
WHITE ON GREEN
1 REQD



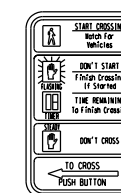
D3-1 (*2)
78"X18"
WHITE ON GREEN
2 REQD



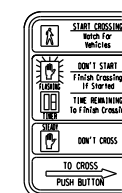
R10-15 (MOD)
30"X30"
1 REQD



R10-11
36"X48"
2 REQD

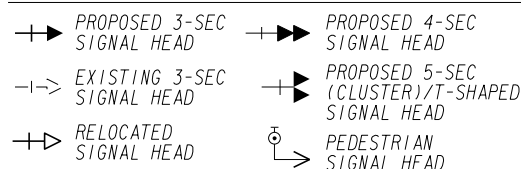


R10-3e(L)
9"X15"

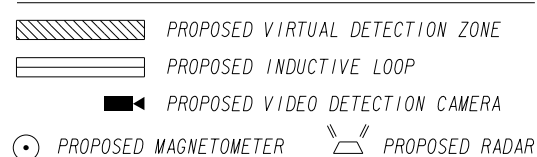


R10-3e(R)
9"X15"

SIGNAL LEGEND



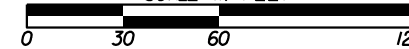
DETECTION LEGEND



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Atlanta, GA 30308

SCALE IN FEET



REVISION DATES

NO.	DATE	DESCRIPTION

SIGNAL PLANS

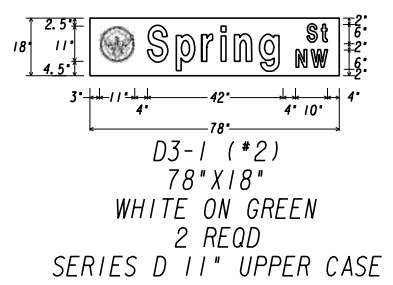
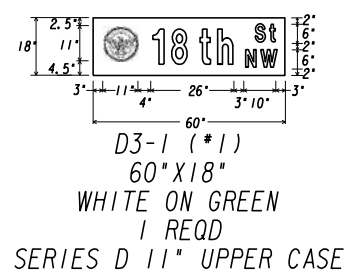
SIGNAL INSTALLATION #2
SR 9/SPRING ST @ 18TH ST

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

LIST OF MATERIALS FOR TRAFFIC SIGNAL INSTALLATION - NO. 2
 LOCATION: SPRING STREET AT 18TH STREET
 QUANTITIES ARE FOR INFORMATION ONLY
 CONTRACTOR SHOULD FIELD VERIFY PRIOR TO ORDERING MATERIALS

332 CABINET INPUT FILES ASSIGNMENT																
SLOT	I	2	3	4	5	6	7	8	9	10	11	12	13	14		
															TYPE	CC
CARD	2-CHAN												DC ISO	DC ISO	DC ISO	
UPPER INPUT FILE (I)	CHANNEL 1	CI 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.		L2A	L2C			L4						Phase 2		
	CHANNEL 2	CI 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	1	4	6	7	9	12	14	15	18					
		LN. ASSIGN.		R2B										Phase 4	Phase 8	
LOWER INPUT FILE (J)	CHANNEL 1	CI 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	EV6	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	29	31	33	35	37					
		LN. ASSIGN.						L8								
	CHANNEL 2	CI 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	19	22	24	25	29	32	34	35	38					
		LN. ASSIGN.														

MATERIALS	UNIT	QUANTITY
LOOP/PED LEAD-IN WIRE (SHIELDED, TWISTED/1000 FT) A. 3 PAIR, 14 AWG	REEL	1
SIGNAL CABLE (14 AWG) A. 7 CONDUCTOR, PER 1000 FT.	REEL	1
LOOP SAW CUT	LF	460
ENCASED LOOP DETECTOR WIRE (14 AWG, STRANDED/1000 FT)	REEL	2
HARDWARE FOR MAST ARM MOUNTING	EA	3
3 SECTION (R, Y, G), 12" SIGNAL HEAD LED-, BLACK HOUSING W/ BLACK FRONT, PLASTIC	EA	3
BACKPLATE FOR ONE-WAY, 3-SECTION, 12" SIGNAL HEAD ABS PLASTIC, BLACK W/ 2" RETROREFLECTIVE STRIP	EA	3
PULL BOX, PB-2	EA	2
CONDUIT, NONMETL, TP 3, 2 IN	LF	275
R10-11 SIGN	EA	2
R10-15 (MOD) SIGN	EA	1
MISC MATL TO COMPLETE INSTALLATION	LUMP	LUMP
	UNIT	QUANTITY
647-1000 TRAFFIC SIGNAL INSTALLATION - NO. 2	LS	1
682-9950 DIRECTIONAL BORE - 3'	LF	275



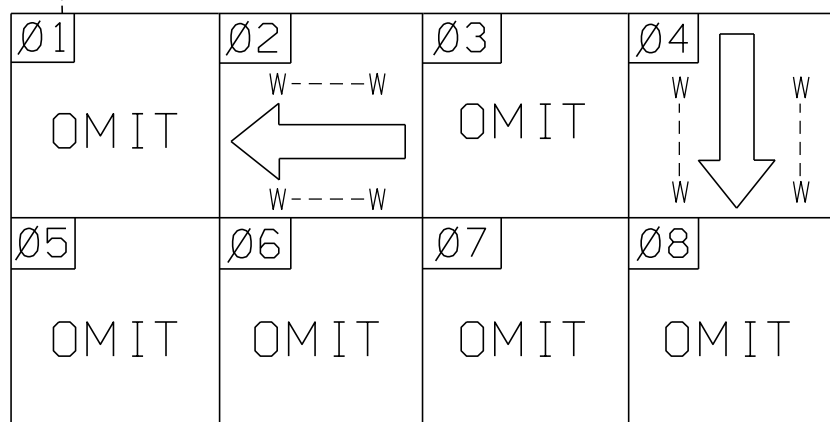
SIGN SUMMARY

LOCATION	CODE	SIZE	QUANTITY	SQ. FT.
SPRING STREET @ 18th STREET	D3-1(*1)	42" X 18"	1	5.25
SPRING STREET @ 18th STREET	D3-1(*2)	54" X 18"	2	13.5
TOTAL				18.75



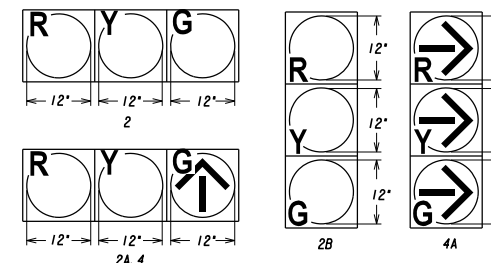
REVISION DATES		SIGNAL PLANS	
		SIGNAL INSTALLATION *2	
		SR 9/SPRING ST @ 18TH ST	
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	27-0005	
CORRECTED:	DATE:		
VERIFIED:	DATE:		

PHASING DIAGRAM

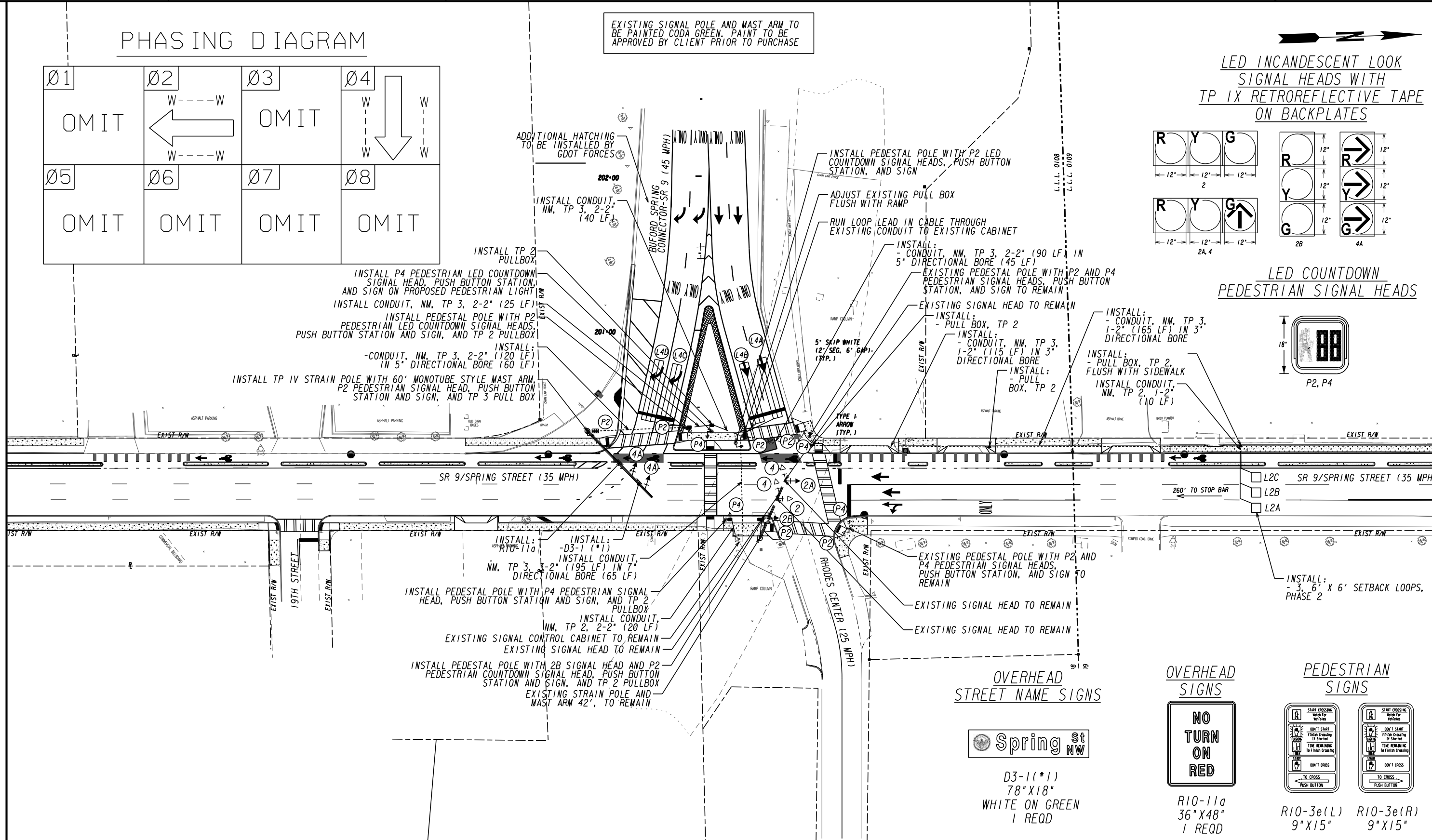
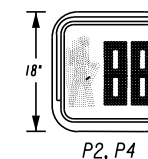


EXISTING SIGNAL POLE AND MAST ARM TO BE PAINTED CODA GREEN. PAINT TO BE APPROVED BY CLIENT PRIOR TO PURCHASE

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



LED COUNTDOWN PEDESTRIAN SIGNAL HEADS



OVERHEAD STREET NAME SIGNS



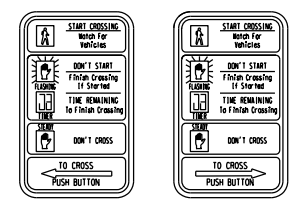
D3-1(*1)
78"X18"
WHITE ON GREEN
1 REQD

OVERHEAD SIGNS



R10-11a
36"X48"
1 REQD

PEDESTRIAN SIGNS

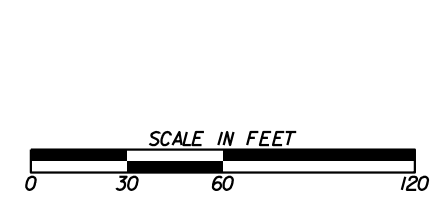


R10-3e(L) 9"X15"
R10-3e(R) 9"X15"

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 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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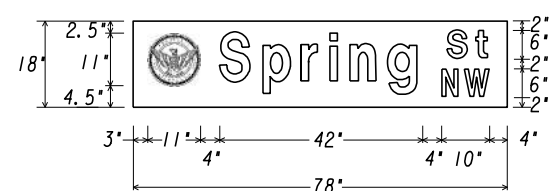
REVISION DATES	

SIGNAL PLANS			
SIGNAL INSTALLATION *3			
SR 9/SR9 ST @ BUFORD SPRING CONNECTOR / RHODES CENTER			
BUFORD SPRING CONNECTOR / RHODES CENTER @ SPRING ST			
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	27-0006	
CORRECTED:	DATE:		
VERIFIED:	DATE:		

332 CABINET INPUT FILES ASSIGNMENT															
SLOT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
TYPE		CC				CC				TBA	TBA	DC	DC	DC	
CARD		2-CHAN				2-CHAN						DC ISO	DC ISO	DC ISO	
UPPER INPUT FILE (I)	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.		L2A	L2C			L4A	L4C					Phase 2			
UPPER INPUT FILE (J)	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	1	4	6	7	9	12	14	15	18					
LN. ASSIGN.		L2B				L4B	L4D					Phase 4	Phase 8		
LOWER INPUT FILE (J)	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	EVV	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	29	31	33	35	37					
	LN. ASSIGN.							R8C							
	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	19	22	24	25	29	32	34	35	38					
	LN. ASSIGN.														

LIST OF MATERIALS FOR TRAFFIC SIGNAL INSTALLATION - NO. 3
 LOCATION: SPRING STREET AT BUFORD SPRING CONNECTOR
 QUANTITIES ARE FOR INFORMATION ONLY
 CONTRACTOR SHOULD FIELD VERIFY PRIOR TO ORDERING MATERIALS

MATERIALS	UNIT	QUANTITY
LOOP/PED LEAD-IN WIRE (SHIELDED, TWISTED/1000 FT) A. 3 PAIR, 14 AWG	REEL	2
SIGNAL CABLE (14 AWG) A. 7 CONDUCTOR, PER 1000 FT.	REEL	2
LOOP SAW CUT	LF	846
ENCASED LOOP DETECTOR WIRE (14 AWG, STRANDED/1000 FT)	REEL	3
ONE-WAY, 1-SECTION, 18" LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, FULL HAND/MAN OVERLAP, BLACK	EA	5
PEDESTRIAN PUSH BUTTON STATIONS, w/ BUTTONS AND SIGNS, 9"X15", R10-3e, L OR R, COUNTDOWN	EA	5
HARDWARE FOR STRAIN POLE, SIDE-OF-POLE MOUNTING, ONE-WAY BRACKET ASSEMBLY FOR PEDESTRIAN SIGNAL HEAD	EA	1
HARDWARE FOR LIGHT POLE, SIDE-OF-POLE MOUNTING, ONE-WAY BRACKET ASSEMBLY FOR PEDESTRIAN SIGNAL HEAD	EA	1
HARDWARE FOR PEDESTAL POLE, TOP-OF-POLE MOUNTING, ONE-WAY BRACKET ASSEMBLY FOR PEDESTRIAN SIGNAL HEAD	EA	3
HARDWARE FOR MAST ARM MOUNTING	EA	2
3 SECTION (R, Y, G), 12" SIGNAL HEAD LED-, BLACK HOUSING W/ BLACK FRONT, PLASTIC	EA	2
BACKPLATE FOR ONE-WAY, 3-SECTION, 12" SIGNAL HEAD ABS PLASTIC, BLACK W/ 2" RETROREFLECTIVE STRIP	EA	2
PEDESTAL POLE, 10 FT, COMPLETE w/ BASE (BLACK POWDER COATED)	EA	3
PULL BOX, PB-2	EA	5
PULL BOX, PB-3	EA	1
CONDUIT, NONMETL, TP 2, 2 IN	LF	30
CONDUIT, NONMETL, TP 3, 2 IN	LF	750
R10-11a SIGN	EA	1
MISC MATL TO COMPLETE INSTALLATION	LUMP	LUMP
PAY ITEM	UNIT	QUANTITY
639-3004 STEEL STRAIN POLE, TP IV, WITH 60' MAST ARM	EA	1
647-1000 TRAFFIC SIGNAL INSTALLATION - NO. 3	LS	1
682-9950 DIRECTIONAL BORE - 3"	LF	280
682-9950 DIRECTIONAL BORE - 5"	LF	105
682-9950 DIRECTIONAL BORE - 7"	LF	65



D3-1 (*1)
 78" X 18"
 WHITE ON GREEN
 2 REQD
 SERIES D 11" UPPER CASE

SIGN SUMMARY

LOCATION	CODE	SIZE	QUANTITY	SQ. FT.
SPRING STREET @ BUFORD SPRING CONNECTOR	D3-1(*1)	54" X 18"	1	6.75
			TOTAL	6.75



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REVISION DATES

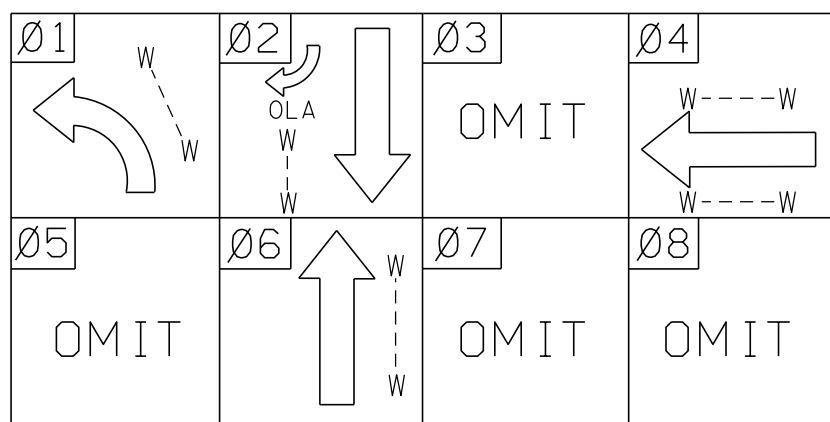
NO.	DATE	DESCRIPTION

SIGNAL PLANS
 SIGNAL INSTALLATION *2
 SR 9/SPRING ST @ 18TH ST

CHECKED:	DATE:	DRAWING No.

27-0007

PHASING DIAGRAM



REMOVE AND REPLACE ALL TP 3 ARROWS WITH TP 1 ARROWS, INCLUDING NORTH OF SHEET EXTENTS (4 TOTAL, APPROX. 500 FEET NORTH OF INTERSECTION)

INSTALL: -CONDUIT, NM, TP 3, 3-2" (315 LF) IN 7" DIRECTIONAL BORE (105 LF)

INSTALL 6' X 40' QUADRUPOLE LOOP
INSTALL: - PEDESTAL POLE WITH P1 PEDESTRIAN LED COUNTDOWN SIGNAL HEAD, PUSH BUTTON STATION AND SIGN - TP 2 PULLBOX

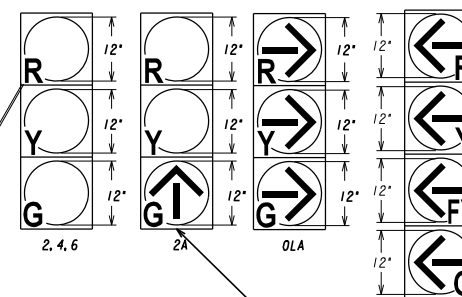
INSTALL: -CONDUIT, NM, TP 3, 2-2" (50 LF)

INSTALL: -CONDUIT, NM, TP 3, 2-2" (100 LF) IN 5" DIRECTIONAL BORE (50 LF)

INSTALL: -CONDUIT, NM, TP 3, 2-2" (60 LF)

INSTALL TP IV STRAIN POLE WITH 40' MONOTUBE MAST ARM AND TP 3 PULL BOX

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



LED COUNTDOWN PEDESTRIAN SIGNAL HEADS



P1, P2, P4, P6

SIGNAL 2A TO BE INSTALLED BY GDOT DISTRICT 7

REINSTALL EXISTING SECURITY CAMERA ON PROPOSED MAST ARM

INSTALL: - R10-5A

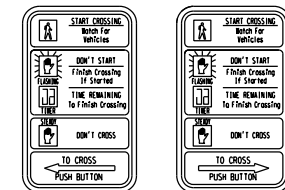
INSTALL: - D3-1 (*1)

EXISTING CONTROLLER CABINET TO REMAIN

INSTALL: -CONDUIT, NM, TP 3, 3-2" (75 LF)

INSTALL: - TYPE IV STEEL STRAIN POLE WITH 55' MONOTUBE-STYLE MAST ARM AND P4 AND P6 LED PEDESTRIAN COUNTDOWN SIGNAL HEADS, PUSH BUTTON STATIONS AND SIGNS - TYPE 45 PULLBOX

PEDESTRIAN SIGNS



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

EXISTING PEDESTAL POLE WITH P4 PEDESTRIAN SIGNAL HEAD, PUSH BUTTON STATION, AND SIGN TO REMAIN

INSTALL P6 PEDESTRIAN LED COUNTDOWN SIGNAL HEAD, EXISTING P4 PEDESTRIAN SIGNAL HEAD, PUSH BUTTON STATION, AND SIGN ON EXISTING PEDESTAL POLE

VIDEO DETECTION ZONE

INSTALL: -R10-11

INSTALL: - PEDESTAL POLE WITH P1, P2, P4 PEDESTRIAN LED COUNTDOWN SIGNAL HEADS, PHASE OLA SUPPLEMENTAL SIGNAL HEAD, PUSH BUTTON STATIONS AND SIGNS - TP 2 PULLBOX

INSTALL: -CONDUIT, NM, TP 3, 2-2" (110 LF) IN 5" DIRECTIONAL BORE (55 LF)

INSTALL EXISTING VIDEO DETECTION CAMERA ON PROPOSED MAST ARM. RUN CABLE TO EXISTING CABINET.

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

INSTALL: - TYPE IV STEEL STRAIN POLE WITH DUAL 45' AND 45' MONOTUBE-STYLE MAST ARMS - TYPE 3 PULLBOX

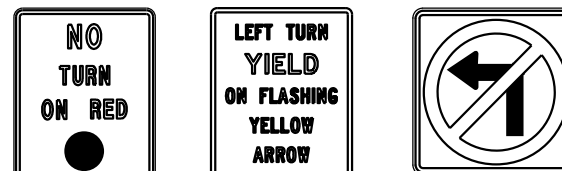
INSTALL: - PEDESTAL POLE WITH P2 PEDESTRIAN LED COUNTDOWN SIGNAL HEAD, PUSH BUTTON STATION AND SIGN - TP 2 PULLBOX

EXISTING PEDESTAL POLE WITH P4 PEDESTRIAN SIGNAL HEAD, PUSH BUTTON STATION, AND SIGN TO REMAIN

INSTALL: - D3-1 (*1)

R3-2 TO BE INSTALLED BY GDOT DISTRICT 7
EXISTING QUADRUPOLE LOOP TO REMAIN

OVERHEAD SIGNS

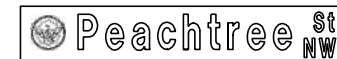


R10-11 36"X48" 1 REQD

R10-5A 36"X36" 1 REQD

R3-2 36"X36" 1 REQD
TO BE INSTALLED BY GDOT DISTRICT 7

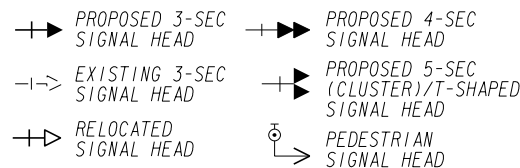
OVERHEAD STREET NAME SIGNS



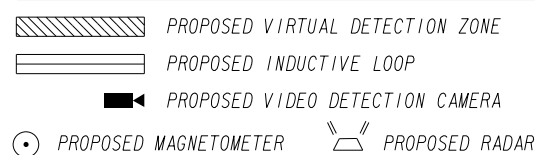
D3-1(*1) 78"X18" WHITE ON GREEN 2 REQD

D3-1(*2) 102"X18" WHITE ON GREEN 2 REQD

SIGNAL LEGEND



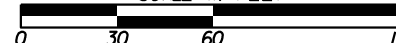
DETECTION LEGEND



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Atlanta, GA 30308

SCALE IN FEET



REVISION DATES

NO.	DATE	DESCRIPTION

SIGNAL PLANS

SIGNAL INSTALLATION *4
US 19/SR 141/PEACHTREE ST @ US 19/SR 9/SPRING ST

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

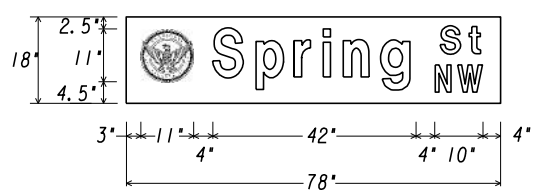
LIST OF MATERIALS FOR TRAFFIC SIGNAL INSTALLATION - NO. 4

LOCATION: SPRING STREET AT PEACHTREE STREET

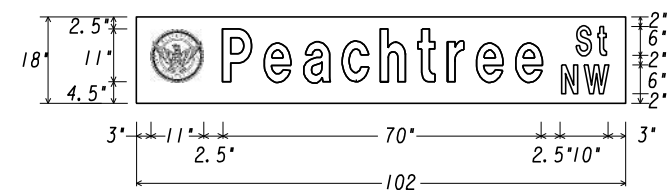
QUANTITIES ARE FOR INFORMATION ONLY
CONTRACTOR SHOULD FIELD VERIFY PRIOR TO ORDERING MATERIALS

332 CABINET INPUT FILES ASSIGNMENT																
SLOT	I	2	3	4	5	6	7	8	9	10	11	12	13	14		
															TYPE	CC
CARD	2-CHAN					2-CHAN						DC ISO	DC ISO	DC ISO		
UPPER INPUT FILE (I)	CHANNEL 1	CI PIN	56	39	63	47	58	41	65	49	60		80	67	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.	L1	LOLA				V4						Phase 2	Phase 6	
	CHANNEL 2	CI 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	1	4	6	7	9	12	14	15	18					
		LN. ASSIGN.												Phase 4	Phase 8	
LOWER INPUT FILE (J)	CHANNEL 1	CI PIN	55	40	64	48	57	42	66	50	59		54	71	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	29	31	33	35	37					
		LN. ASSIGN.							R8C							
	CHANNEL 2	CI PIN	55	44	77	48	57	46	79	50	61		75	73	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	19	22	24	25	29	32	34	35	38					
		LN. ASSIGN.														

MATERIALS	UNIT	QUANTITY
LOOP/PED LEAD-IN WIRE (SHIELDED, TWISTED/1000 FT)		
A. 3 PAIR, 14 AWG	REEL	1
SIGNAL CABLE (14 AWG)		
A. 7 CONDUCTOR, PER 1000 FT.	REEL	3
LOOP SAW CUT	LF	142
ENCASED LOOP DETECTOR WIRE (14 AWG, STRANDED/1000 FT)	REEL	1
ONE-WAY, 1-SECTION, 18" LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, FULL HAND/MAN OVERLAP, BLACK	EA	4
PEDESTRIAN PUSH BUTTON STATIONS, w/ BUTTONS AND SIGNS, 9"X15", R10-3e, L OR R, COUNTDOWN	EA	8
HARDWARE FOR STRAIN POLE, SIDE-OF-POLE MOUNTING, TWO-WAY BRACKET ASSEMBLY FOR PEDESTRIAN SIGNAL HEAD	EA	1
HARDWARE FOR PEDESTAL POLE, TOP-OF-POLE MOUNTING, ONE-WAY BRACKET ASSEMBLY FOR PEDESTRIAN SIGNAL HEAD	EA	4
HARDWARE FOR PEDESTAL POLE, TOP-OF-POLE MOUNTING, TWO-WAY BRACKET ASSEMBLY FOR PEDESTRIAN SIGNAL HEAD	EA	1
HARDWARE FOR PEDESTAL POLE, TOP-OF-POLE MOUNTING, ONE-WAY BRACKET ASSEMBLY FOR VEHICLE SIGNAL HEAD	EA	1
HARDWARE FOR MAST ARM MOUNTING	EA	11
3 SECTION (R, Y, G), 12" SIGNAL HEAD LED-, BLACK HOUSING W/ BLACK FRONT, PLASTIC	EA	9
3 SECTION (Ra, Ya, Ga), 12" SIGNAL HEAD LED-, BLACK HOUSING W/ BLACK FRONT, PLASTIC	EA	2
4 SECTION (Ra, Ya, Fya, Ga), 12" SIGNAL HEAD LED-, BLACK HOUSING W/ BLACK FRONT, PLASTIC	EA	1
BACKPLATE FOR ONE-WAY, 3-SECTION, 12" SIGNAL HEAD ABS PLASTIC, BLACK W/ 2" RETROREFLECTIVE STRIP	EA	11
BACKPLATE FOR ONE-WAY, 4-SECTION, 12" SIGNAL HEAD ABS PLASTIC, BLACK W/ 2" RETROREFLECTIVE STRIP	EA	1
PEDESTAL POLE, 10 FT, COMPLETE w/ BASE (BLACK POWDER COATED)	EA	3
PULL BOX, PB-2	EA	3
PULL BOX, PB-3	EA	2
CONDUIT, NONMETL, TP 3, 2 IN	LF	740
R10-11 SIGN	EA	1
MISC MATL TO COMPLETE INSTALLATION	LUMP	LUMP



D3-1 (*1)
78" X 18"
WHITE ON GREEN
2 REQD
SERIES D 11" UPPER CASE



D3-1 (*2)
114" X 18"
WHITE ON GREEN
2 REQD
SERIES D 11" UPPER CASE

SIGN SUMMARY

LOCATION	CODE	SIZE	QUANTITY	SQ. FT.
SPRING STREET @ PEACHTREE ROAD	D3-1(*1)	78" X 18"	2	19.50
PEACHTREE ROAD @ SPRING STREET	D3-1(*2)	114" X 18"	2	28.50
TOTAL				48.00

PAY ITEM	UNIT	QUANTITY
639-3004 STEEL STRAIN POLE, TP IV, WITH 45' AND 45' MAST ARMS	EA	1
639-3004 STEEL STRAIN POLE, TP IV, WITH 55' MAST ARM	EA	1
639-3004 STEEL STRAIN POLE, TP IV, WITH 40' MAST ARM	EA	1
647-1000 TRAFFIC SIGNAL INSTALLATION - NO. 4	LS	1
647-2141 PULL BOX, PB-4S	EA	1
682-9950 DIRECTIONAL BORE - 5'	LF	210
682-9950 DIRECTIONAL BORE - 7'	LF	105

REVISION DATES

NO.	DATE	DESCRIPTION

SIGNAL PLANS
SIGNAL INSTALLATION *4
US 19/SR 141/PEACHTREE ST @ US 19/SR 9/SPRING ST

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



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BEGIN PROJECT
STA. 99+15.00
N 1379255.0623
E 2228967.2148

BEGIN CONSTRUCTION
STA. 99+65.00
N 1379304.9613
E 2228970.3915

SHUMARD OAK,
3" CALIPER,
30' OC SPACING,
15' MIN OFFSET FROM PROPOSED LIGHT FIXTURES (TYP.)

LIRIOPE 1 GAL AT 12" O.C. (TYP.)

EXISTING ROW TREE TO BE REMOVED (TYP.)

CONST C ONE STORY BUILDING

US 19/SR 9/SPRING STREET

CURVE *1

EXIST R/W

EXIST R/W

EXIST R/W

EXIST R/W

ONE STORY BRICK BUILDING

ONE STORY BRICK BUILDING

ONE STORY BRICK BUILDING

ASPHALT DRIVE

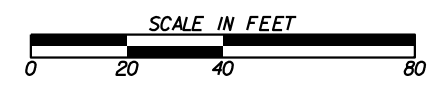
MUSKOGEE CREPE MYRTLE
3" CALIPER SINGLE STEM,
30' OC SPACING,
MIN 15' OFFSET FROM PROPOSED LIGHT FIXTURES (TYP.)

DRAWING No. 29-0002

MATCH LINE STA. 104+50

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REVISION DATES

NO.	DATE	DESCRIPTION

LANDSCAPING PLANS

Spring Street Bike and Pedestrian Improvements

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

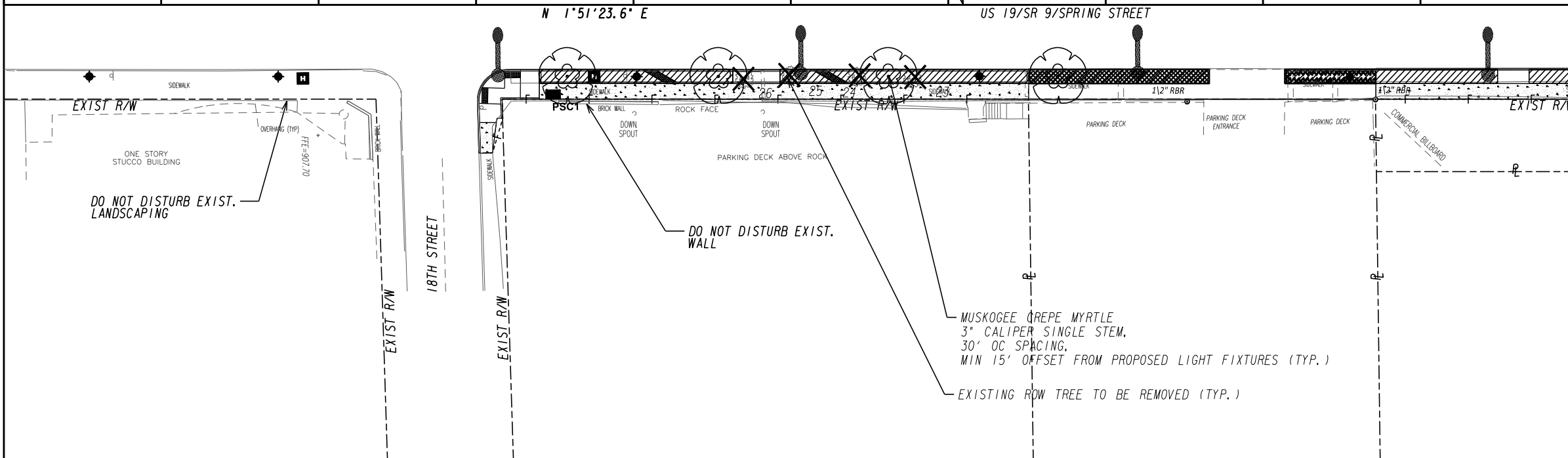
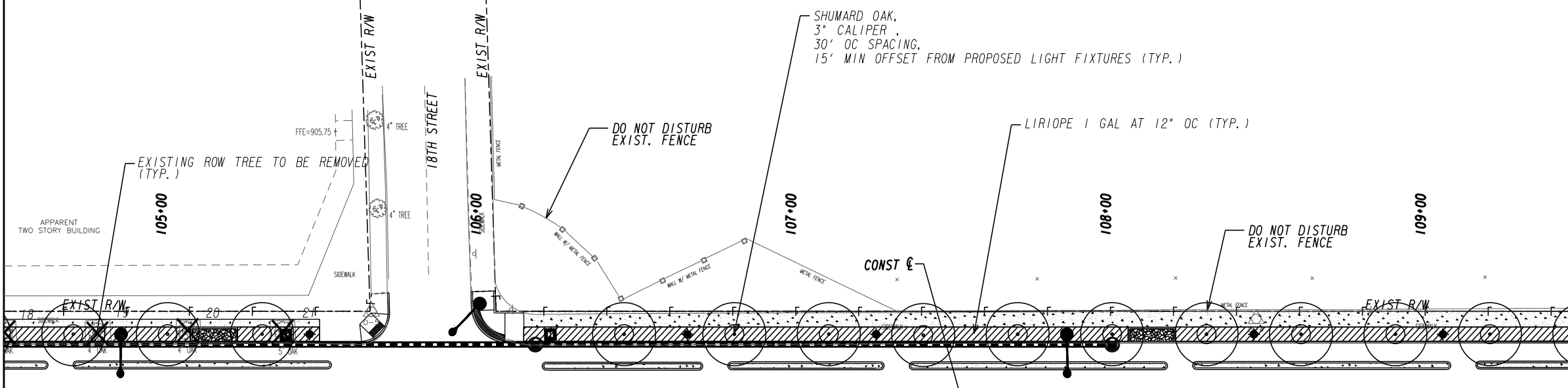


DRAWING No. 29-0001

MATCH LINE STA. 104+50

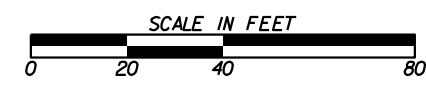
DRAWING No. 29-0003

MATCH LINE STA. 109+50



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REVISION DATES

NO.	DATE	DESCRIPTION

LANDSCAPING PLANS

Spring Street Bike and Pedestrian Improvements

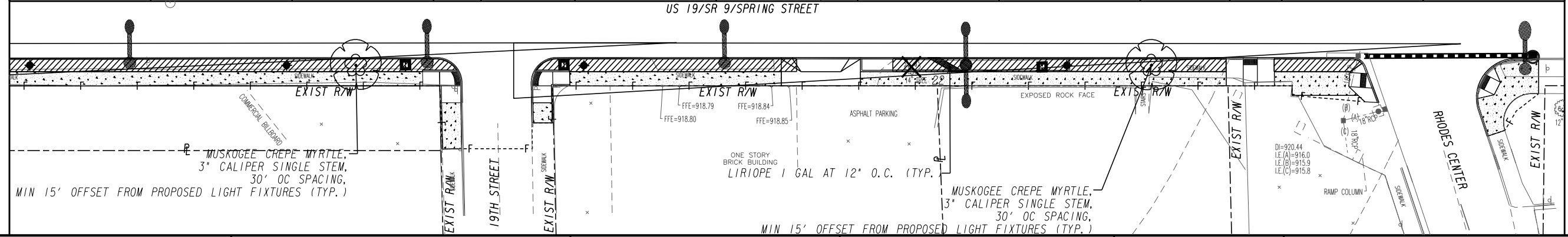
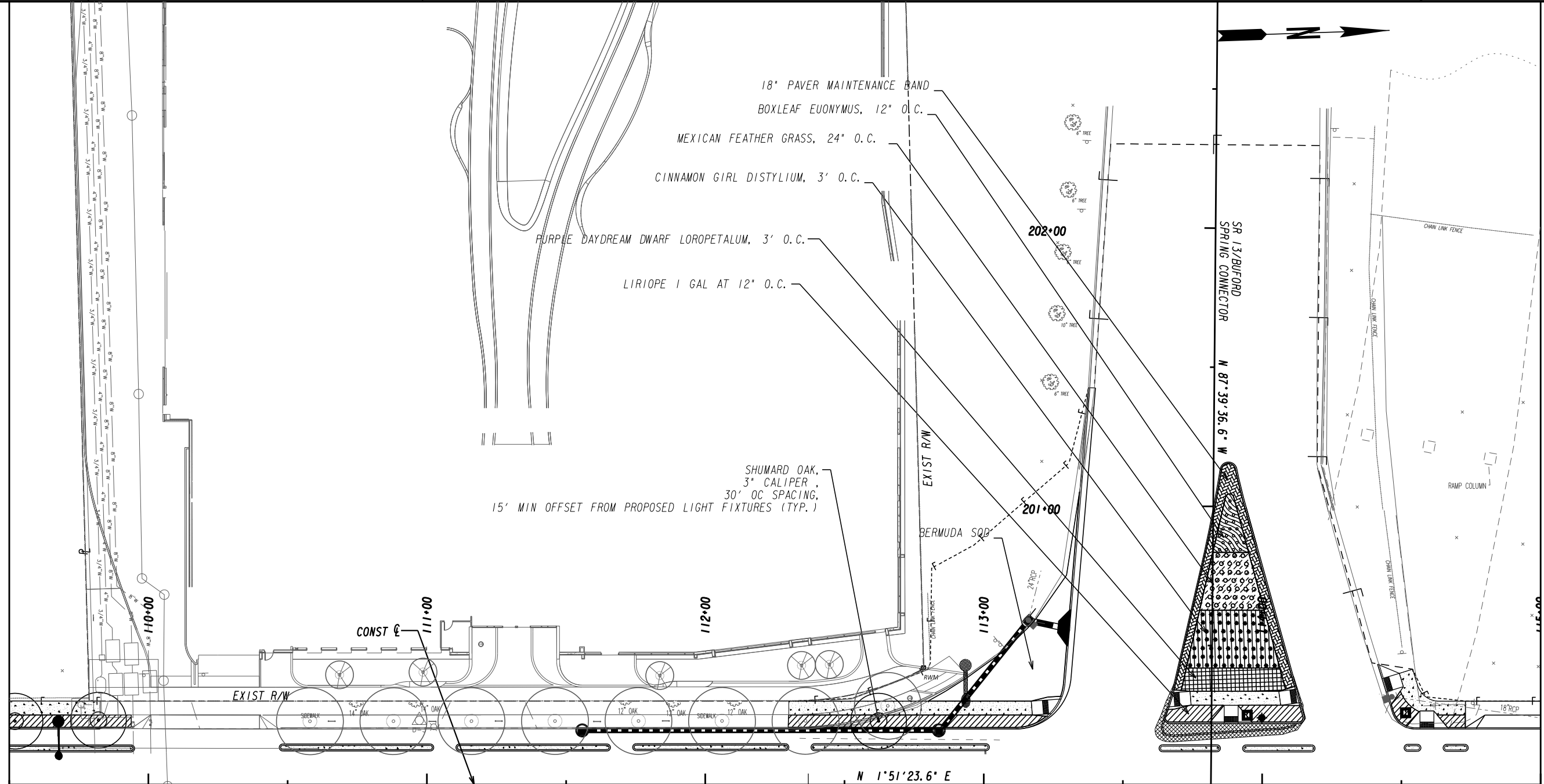
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BACKCHECKED:	DATE:	29-0002
CORRECTED:	DATE:	
VERIFIED:	DATE:	

DRAWING No. 29-0002

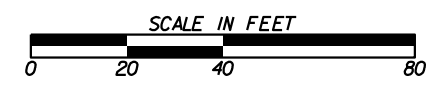
MATCH LINE STA. 109+50

DRAWING No. 29-0004

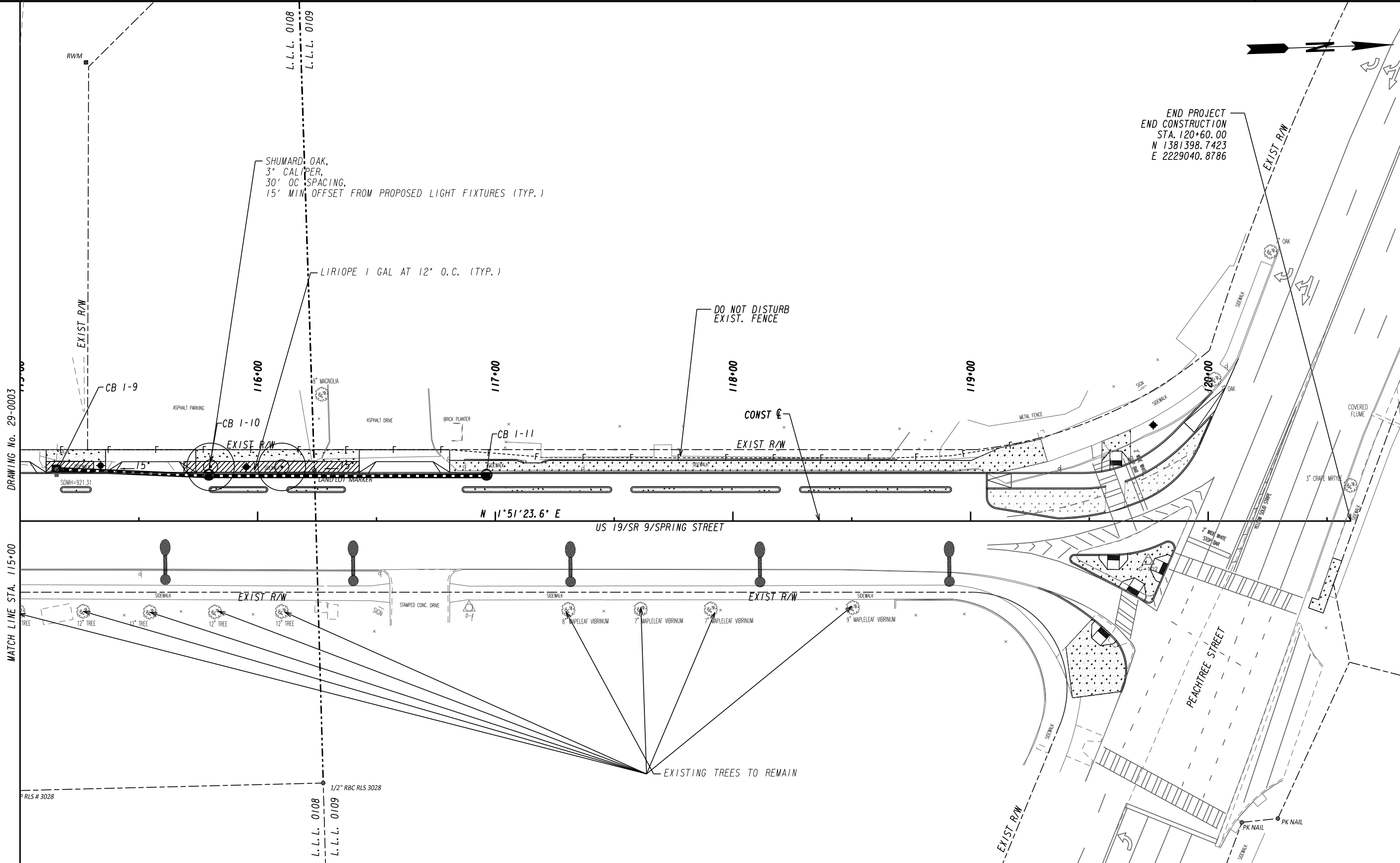
MATCH LINE STA. 115+00



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REVISION DATES		LANDSCAPING PLANS	
		Spring Street Bike and Pedestrian Improvements	
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	29-0003	
CORRECTED:	DATE:		
VERIFIED:	DATE:		



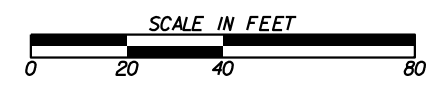
END PROJECT
 END CONSTRUCTION
 STA. 120+60.00
 N 1381398.7423
 E 2229040.8786

DRAWING No. 29-0003

MATCH LINE STA. 115+00

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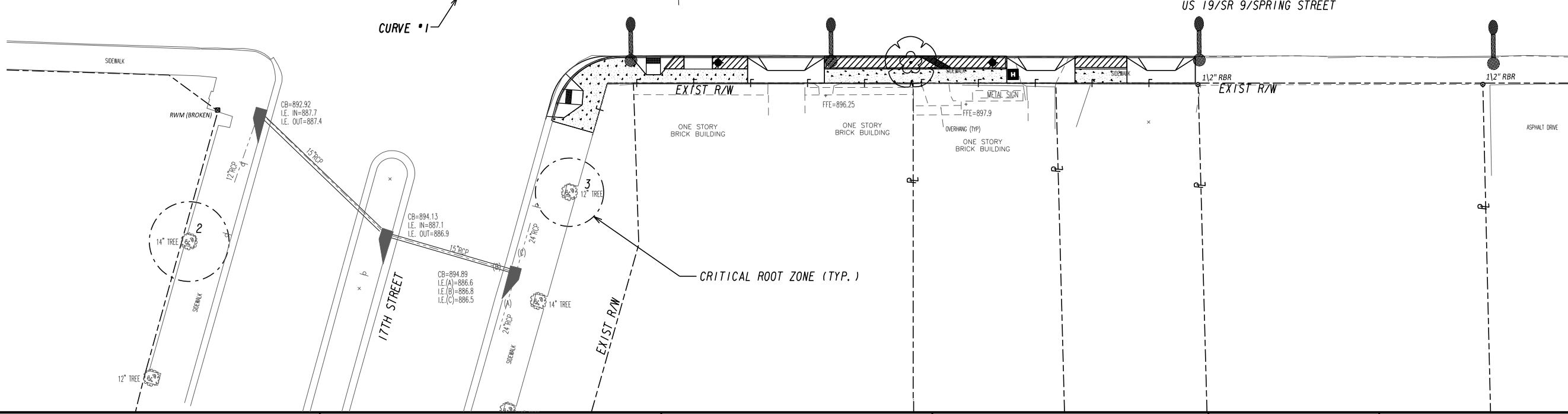
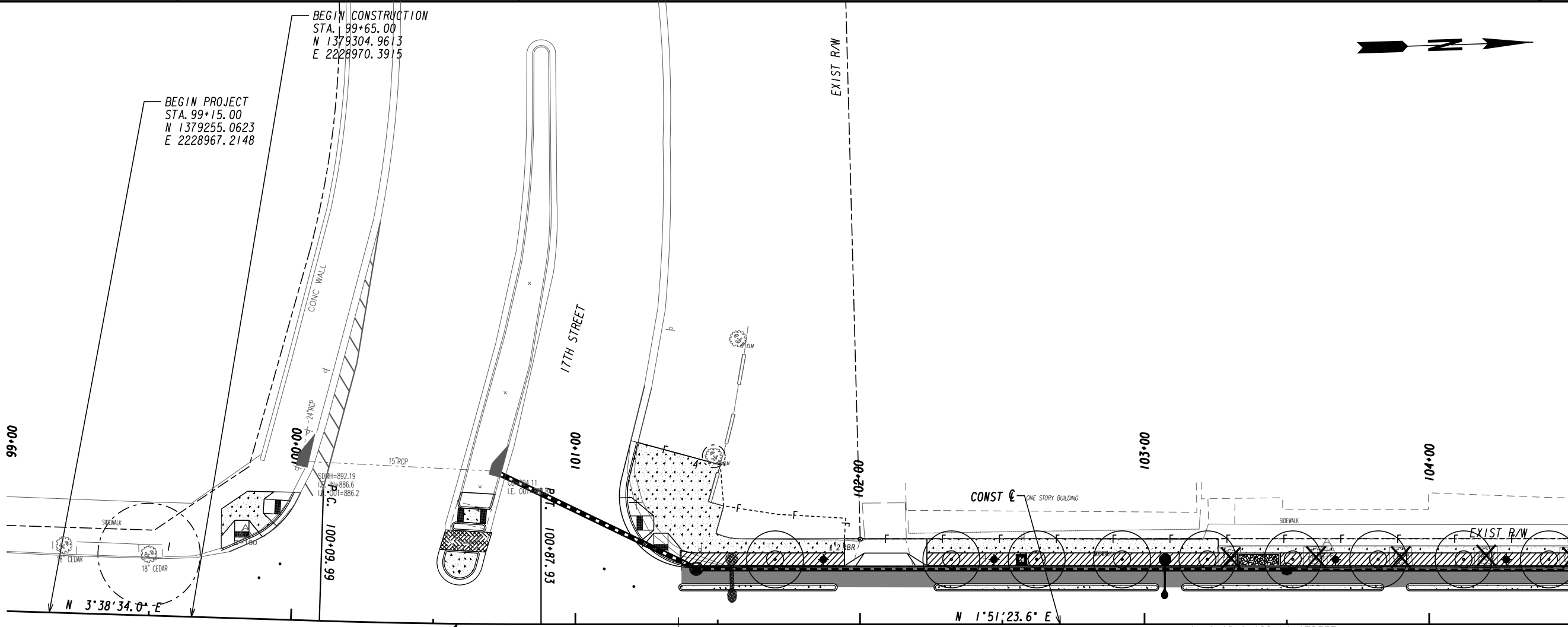
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 Atlanta, GA 30308



REVISION DATES	

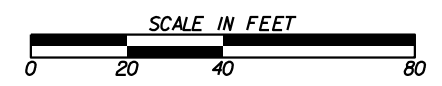
LANDSCAPING PLANS
 Spring Street Bike and Pedestrian Improvements

CHECKED:	DATE:	DRAWING No. 29-0004
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



DRAWING No. 29-0006

MATCH LINE STA. 104+50



REVISION DATES	

TREE PROTECTION PLANS		
Spring Street Bike and Pedestrian Improvements		
CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	29-0005
CORRECTED:	DATE:	
VERIFIED:	DATE:	

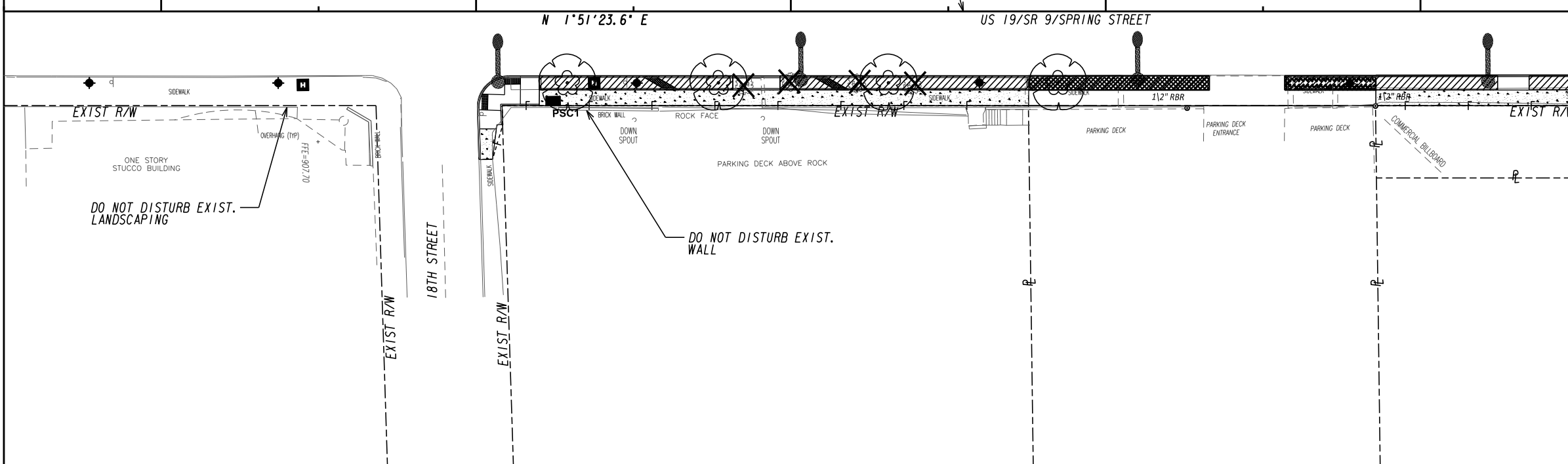
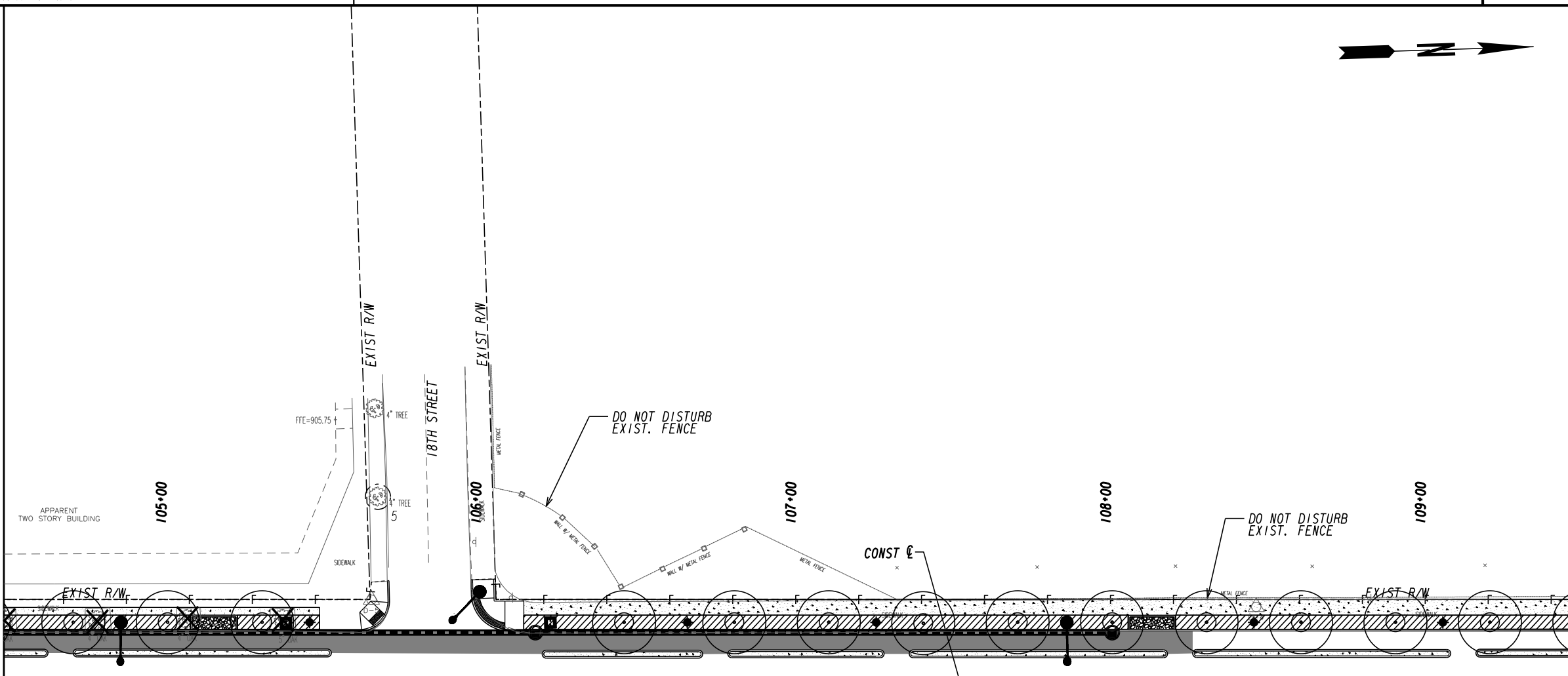


DRAWING No. 29-0005

MATCH LINE STA. 104+50

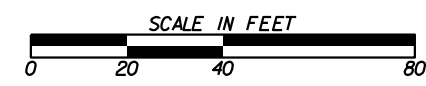
DRAWING No. 29-0007

MATCH LINE STA. 109+50



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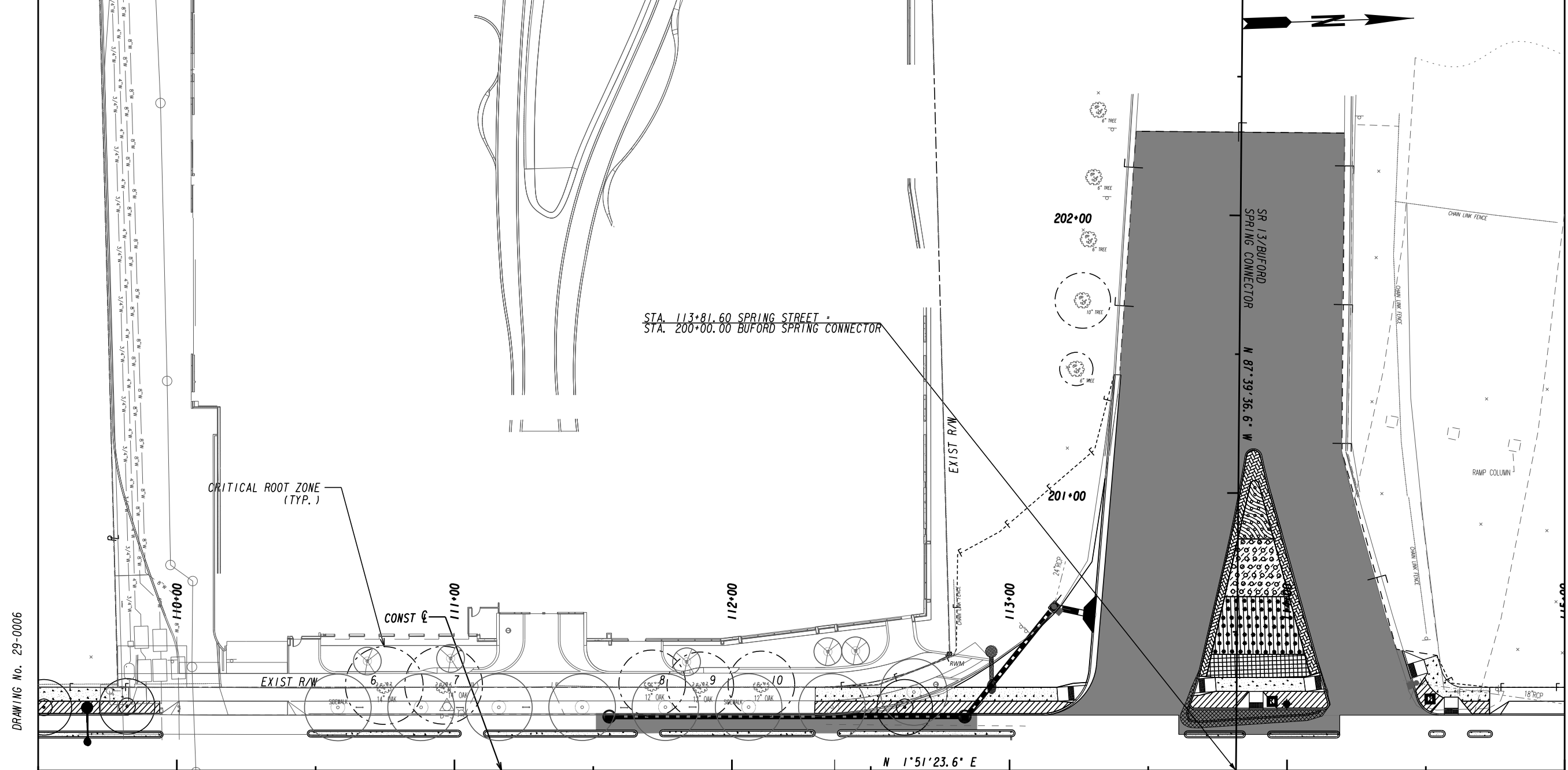
REVISION DATES

No.	Date	Description

TREE PROTECTION PLANS

Spring Street Bike and Pedestrian Improvements

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	29-0006
CORRECTED:	DATE:	
VERIFIED:	DATE:	

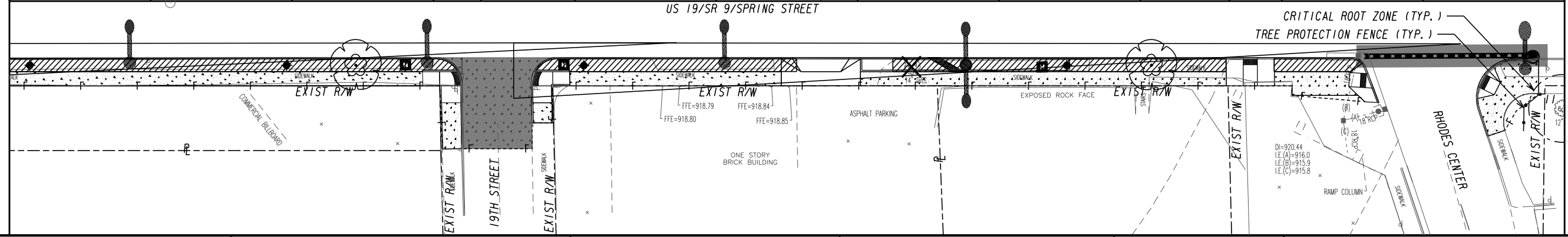


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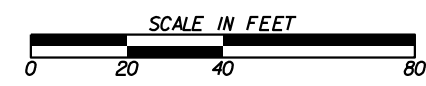
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MATCH LINE STA. 109+50

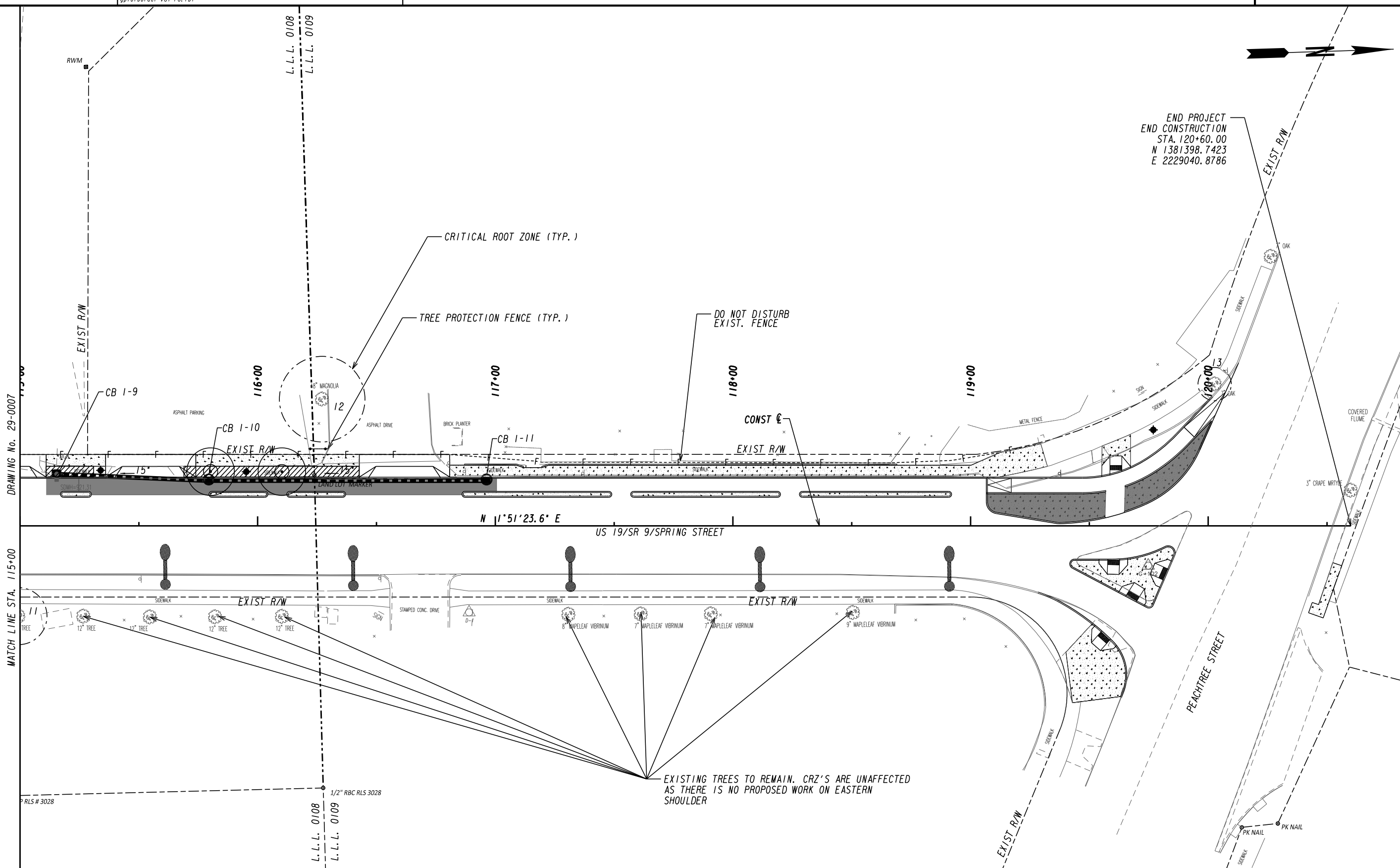
MATCH LINE STA. 115+00



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REVISION DATES		TREE PROTECTION PLANS	
		Spring Street Bike and Pedestrian Improvements	
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	29-0007	
CORRECTED:	DATE:		
VERIFIED:	DATE:		



END PROJECT
 END CONSTRUCTION
 STA. 120+60.00
 N 1381398.7423
 E 2229040.8786

DRAWING No. 29-0007

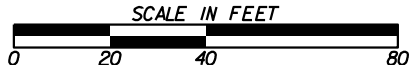
MATCH LINE STA. 115+00

PLS # 3028

1/2" RBC RLS 3028

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



REVISION DATES

TREE PROTECTION PLANS

Spring Street Bike and Pedestrian Improvements

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

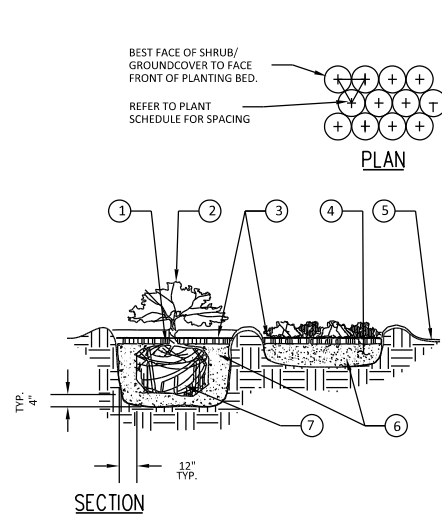
CRITICAL ROOT ZONE WAS NOT CONSIDERED IMPACTED WHEN HARDSCAPE WAS RECONSTRUCTED IN PLACE. GRADING MODIFICATIONS, NEW IMPERVIOUS SURFACE, AND DRAINAGE AND UTILITY CONSTRUCTION WERE INCLUDED IN CRITICAL ROOT ZONE CALCULATIONS.

TREES	BOTANICAL / COMMON NAME	CAL	HT	CONT	QTY	TOTAL INCHES
	Lagerstroemia indica 'Muskogee Standard' / Muskogee Standard Crape Myrtle	3" Cal.	12'-14' HT.	B&B	7	21
	Quercus shumardii "Panache" / Panache Shumard Oak	3" Cal.	14'-16' HT.	B&B	27	81
						102 TOTAL INCHES
SHRUB AREAS	BOTANICAL / COMMON NAME	CONT	SPACING	QTY		
	Distylium x 'PIIDIST-V' TM / Cinnamon Girl Distylium	3 gal	36" o.c.	69		
	Euonymus japonicus microphyllus / Box-Leaf Euonymus	1 gal	12" o.c.	166		
	Loropetalum chinense 'Purple Daydream' / Purple Daydream Loropetalum	3 gal	36" o.c.	35		
	Nassella tenuissima / Mexican Feather Grass	3 gal	24" o.c.	180		
GROUND COVERS	BOTANICAL / COMMON NAME	CONT	SPACING	QTY		
	Cynodon dactylon / Bermuda Grass	sod		943 sf		
	Liriope spicata / Creeping Lilyturf	4" Pot	6" o.c.	16,304		

INCHES REMOVED	93	
INCHES PROPOSED	123	
INCHES REQUIRED FOR MITIGATION	GDOT	COA
	46.5	93

PROJECT SATISFIES GDOT AND COA MITIGATION REQUIREMENTS

TAG #	DBH	SPECIES	IMPACT	STATUS	NOTES
1	18	CEDAR	0%	SAVE	
2	14	-	0%	SAVE	
3	12	-	0%	SAVE	
4	4	ELM	0%	SAVE	
5	4	-	0%	SAVE	
6	14	OAK	0%	SAVE	FUTURE DEVELOPMENT
7	14	OAK	0%	SAVE	FUTURE DEVELOPMENT
8	12	OAK	6.7%	SAVE	FUTURE DEVELOPMENT
9	12	OAK	9.4%	SAVE	FUTURE DEVELOPMENT
10	12	OAK	8.2%	SAVE	FUTURE DEVELOPMENT
11	11	-	1.0%	SAVE	
12	10	MAGNOLIA	0%	SAVE	
13	11	OAK	0%	SAVE	
14	6	OAK	100%	DESTROY	
15	5	OAK	100%	DESTROY	
16	5	OAK	100%	DESTROY	
17	5	OAK	100%	DESTROY	
18	5	OAK	100%	DESTROY	
19	4	OAK	100%	DESTROY	
20	4	OAK	100%	DESTROY	
21	5	OAK	100%	DESTROY	
22	14	HARDWOOD	100%	DESTROY	
23	10	HARDWOOD	100%	DESTROY	
24	10	HARDWOOD	100%	DESTROY	
25	10	HARDWOOD	100%	DESTROY	
26	10	HARDWOOD	100%	DESTROY	



1. TOP OF SHRUB ROOTBALLS TO BE PLANTED 1" - 2" HIGH WITH SOIL MOUNDING UP TO THE TOP OF ROOTBALL.
2. WHEN USED IN MASSES- PRUNE ALL SHRUBS TO ACHIEVE A UNIFORM MASS/HEIGHT
3. 3" MINIMUM OF SHREDDED HARDWOOD MULCH COMPACTED OR AS SPECIFIED.
4. EXCAVATE ENTIRE BED SPECIFIED FOR GROUNDCOVER BED.
5. 5" MINIMUM OF TOPSOIL TO BRING TO FINISHED GRADE (SEE GRADING PLAN).
6. PREPARED PLANTING SOIL AS SPECIFIED. NOTE: WHEN GROUND- COVERS AND SHRUBS USED IN MASSES ENTIRE BED TO BE AMENDED WITH PLANTING SOIL MIX AS SPECIFIED.
7. SCARIFY ROOTBALL SIDES AND BOTTOM.

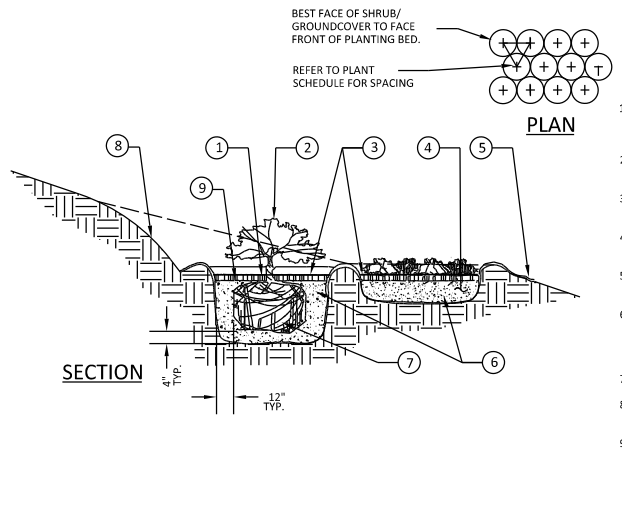
NOTES :

BAR MATERIAL

1. REMOVE ALL SYNTHETIC STRAP AND SYNTHETIC BURLAP FROM ROOTBALL
2. REMOVE 1/4 OF BURLAP FROM TOP OF ROOT BALL COVERING
3. REMOVE TOP 1/4 OF WIRE BASKET (IF PRESENT)
4. DO NOT INSTALL MULCH WITHIN 6" OF MAIN TRUNK OF STEM

CONTAINER MATERIAL

1. REMOVE CONTAINER FROM AROUND PLANT PRIOR TO PLANTING
2. BREAK UP ANY CIRCLING OR BINDING ROOTS
3. SCARIFY SIDE OF ROOTBALL
4. DO NOT INSTALL MULCH WITHIN 6" OF TRUNK FLARE



1. TOP OF SHRUB ROOTBALLS TO BE PLANTED 1" - 2" HIGH WITH SOIL MOUNDING UP TO THE TOP OF ROOTBALL. PULL MULCH 6" AWAY FROM STEM.
2. WHEN USED IN MASSES- PRUNE ALL SHRUBS TO ACHIEVE A UNIFORM MASS/HEIGHT
3. 3" MINIMUM OF SHREDDED HARDWOOD MULCH COMPACTED OR AS SPECIFIED.
4. EXCAVATE ENTIRE BED SPECIFIED FOR GROUNDCOVER BED.
5. 4" MINIMUM OF TOPSOIL TO BRING TO FINISHED GRADE (SEE GRADING PLAN).
6. PREPARED PLANTING SOIL MIX AS SPECIFIED. NOTE: WHEN GROUND- COVERS AND SHRUBS USED IN MASSES ENTIRE BED TO BE AMENDED WITH PLANTING SOIL MIX AS SPECIFIED.
7. SCARIFY ROOTBALL SIDES AND BOTTOM.
8. CUT BACK SLOPE TO PROVIDE A FLAT SURFACE FOR PLANTING.
9. BIODEGRADABLE COCONUT EROSION MAT 'ECC-28' BY 'EAST COAST EROSION BLANKETS' OR APPROVED EQUAL OVER FINISHED GRADE. OVERLAP 4" MIN.

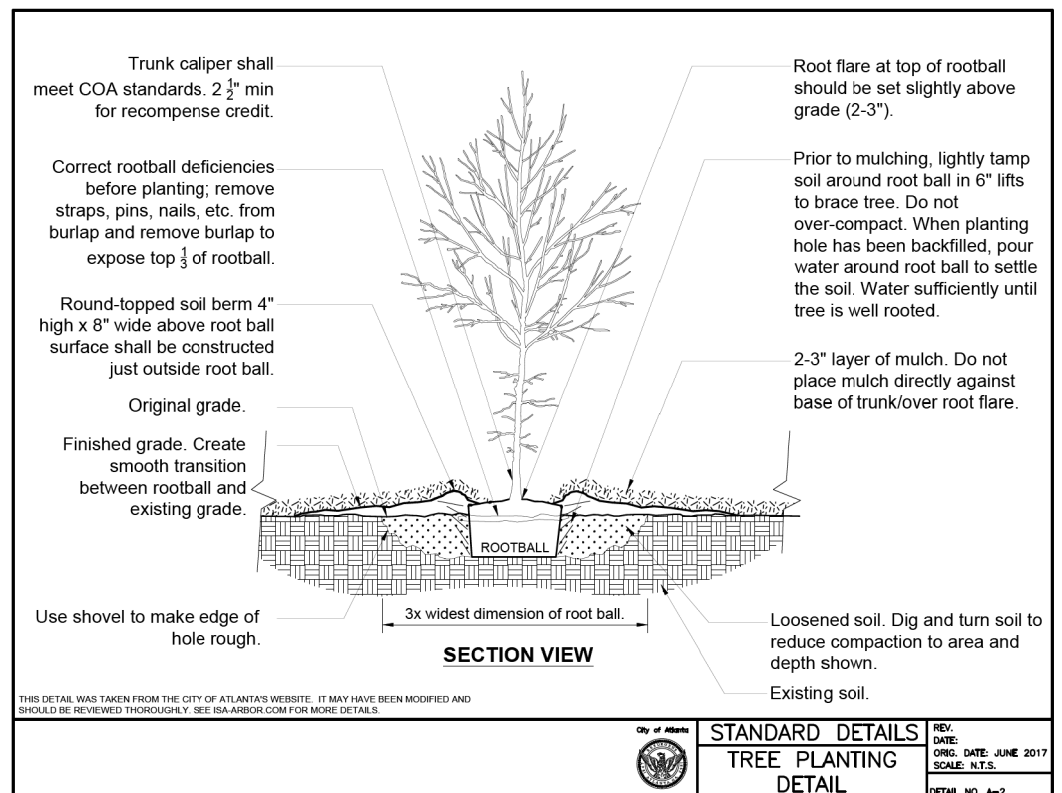
NOTES :

BAR MATERIAL

1. REMOVE ALL SYNTHETIC STRAP AND SYNTHETIC BURLAP FROM ROOTBALL
2. REMOVE 1/4 OF BURLAP FROM TOP OF ROOT BALL COVERING
3. REMOVE TOP 1/4 OF WIRE BASKET (IF PRESENT)
4. DO NOT INSTALL MULCH WITHIN 6" OF MAIN TRUNK OF STEM

CONTAINER MATERIAL

1. REMOVE CONTAINER FROM AROUND PLANT PRIOR TO PLANTING
2. BREAK UP ANY CIRCLING OR BINDING ROOTS
3. SCARIFY SIDE OF ROOTBALL
4. DO NOT INSTALL MULCH WITHIN 6" OF TRUNK FLARE



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City of Atlanta

STANDARD DETAILS

TREE PLANTING

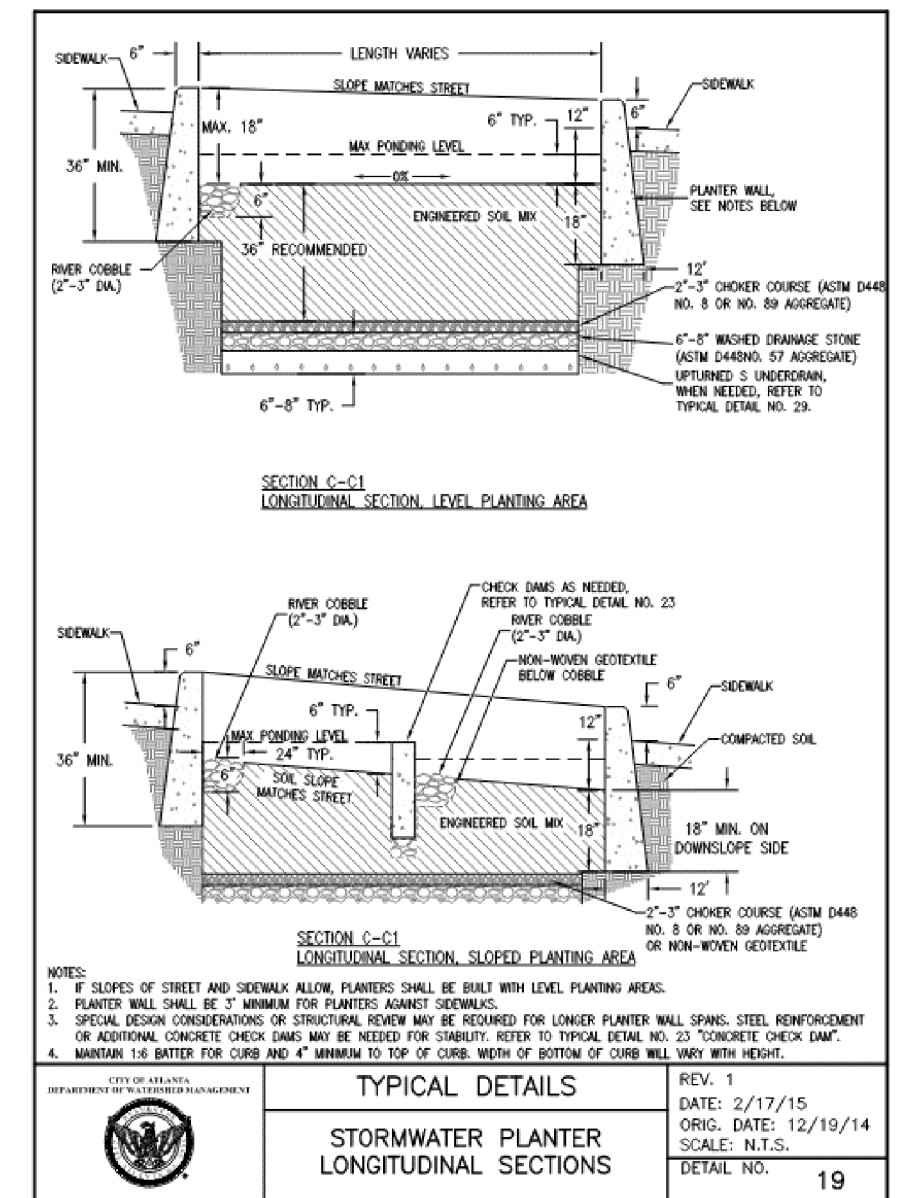
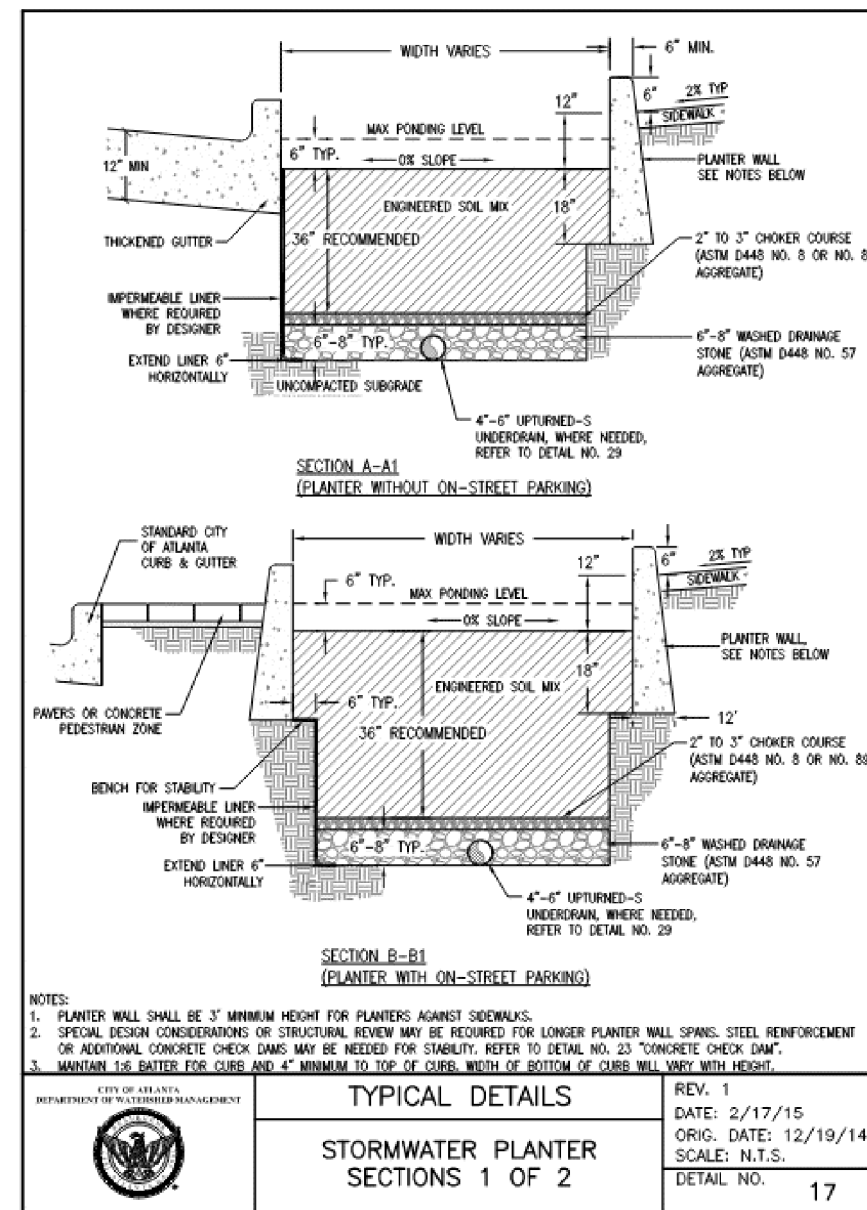
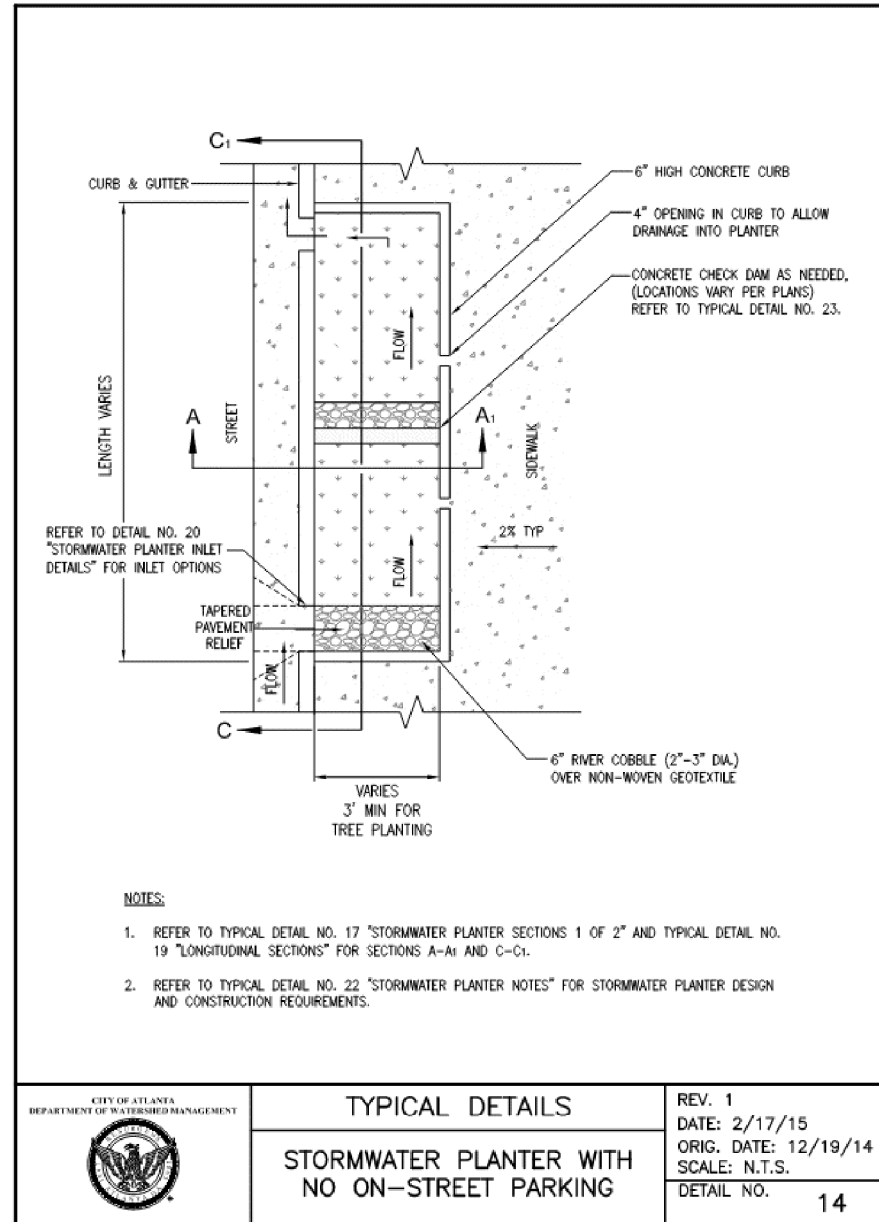
DETAIL NO. A-2

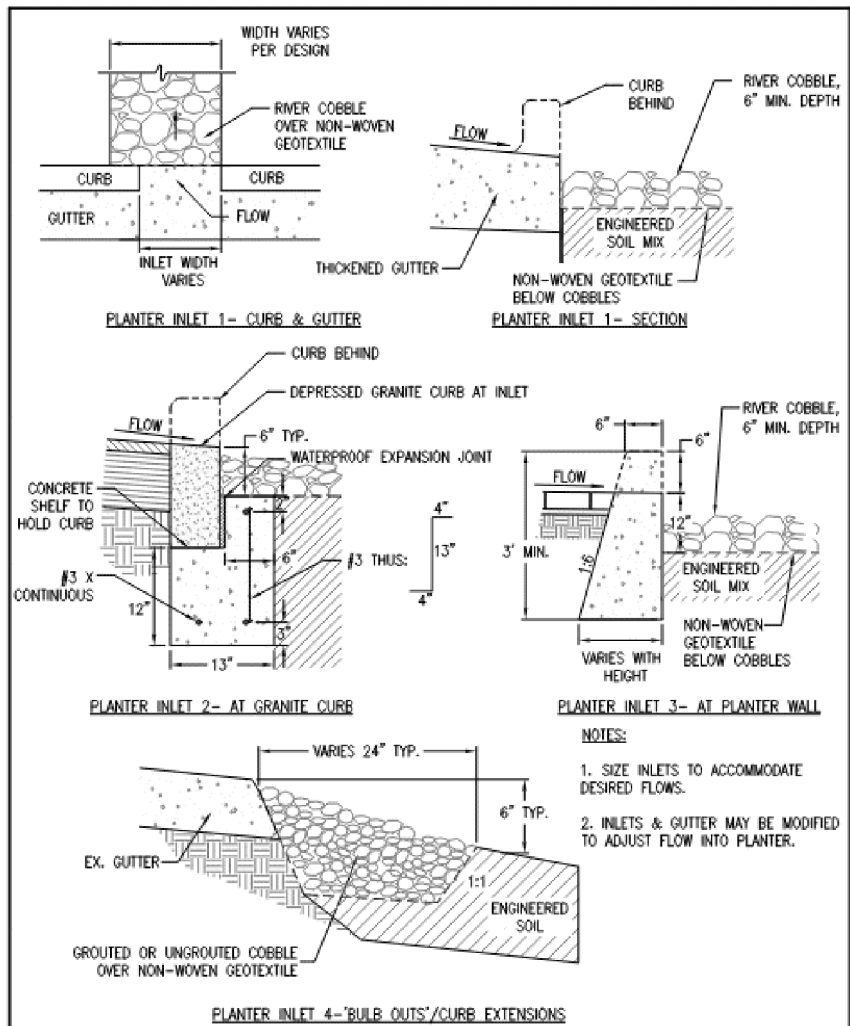
REV. DATE: JUNE 2017
 DATE: _____
 SCALE: N.T.S.
 DETAIL NO. A-2

REVISION DATES		LANDSCAPING DETAILS	
		Spring Street Bike and Pedestrian Improvements	
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	29-0010	
CORRECTED:	DATE:		
VERIFIED:	DATE:		

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	TYPICAL DETAILS	REV. 1
	STORMWATER PLANTER INLET DETAILS	DATE: 2/17/15 ORIG. DATE: 12/19/14 SCALE: N.T.S. DETAIL NO. 20

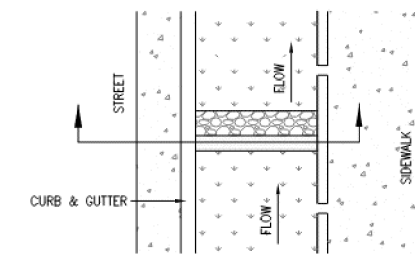
NOTES FOR STORMWATER PLANTERS:

1. WIDTH AND LENGTH OF EACH PLANTER SHALL BE BASED ON SITE CONDITIONS AND STORMWATER TREATMENT VOLUME.
2. LOCATE ALL UTILITIES PRIOR TO DESIGN. SITE CONDITIONS WILL VARY AND SIGNIFICANT DESIGN ADAPTATIONS MAY BE NEEDED TO ADDRESS UTILITY CONFLICTS, STEEP SLOPES, AND OTHER CONSTRAINTS.
3. IF SLOPE OF ROAD AND SIDEWALK ALLOW, PLANTERS SHOULD BE BUILT WITH LEVEL PLANTING AREAS (0% SLOPE LONGITUDINALLY) FOR MAXIMUM STORMWATER TREATMENT VOLUME.
4. LONGITUDINAL SLOPES OF CURBS SURROUNDING PLANTER SHALL MATCH ROADWAY. TOP SURFACE OF PLANTERS SHALL BE A MAXIMUM DEPTH OF 18" BELOW SURROUNDING CURB AT DEEPEST POINT.
5. CROSS SLOPES SHOULD ALWAYS BE AS CLOSE TO LEVEL (0% SLOPE) AS POSSIBLE.
6. CURBS, GUTTERS, STREETS, AND SIDEWALKS SHALL CONFORM TO CITY OF ATLANTA STANDARDS.
7. PROVIDE ELEVATIONS AT ALL INLETS AND OUTLETS, AS WELL AS ALL GRADES ON STREET AND BOTTOM OF PLANTER.
8. SIDEWALK ELEVATION MUST BE HIGHER THAN MAXIMUM FLOW OR POOL ELEVATION.
9. PLANTERS MUST BE ABLE TO WITHSTAND STORMWATER FLOWS WITHOUT EROSION OR OTHER DAMAGE. INLETS SHOULD BE SIZED AND CHECK DAMS USED TO ENSURE APPROPRIATE VELOCITIES.
10. ALL PLANTERS SHALL BE FULLY VEGETATED. SUGGESTED SPECIES CAN BE FOUND IN THE GEORGIA STORMWATER MANAGEMENT MANUAL, VOL. 2, APPENDIX F.
11. ALL VEGETATED AREAS MUST BE MULCHED WITH EITHER 2" TO 4" OF NON-FLOATABLE ORGANIC MULCH (SUCH AS SHREDDED HARDWOOD OR LEAF MULCH) OR STONE. STONE MULCH MAY BE NEEDED IN AREAS OF STRONG FLOWS TO PREVENT EROSION. ALL PONDING ELEVATIONS SHOWN IN DETAILS ARE ASSUMED TO BE MEASURED FROM TOP OF MULCH LAYER.
12. ENGINEERED SOIL MIX SHALL CONFORM TO PERFORMANCE STANDARDS DETAILED IN SPECIFICATIONS.
13. ENGINEERED SOIL MIX SHALL BE A MIN. OF 18" DEEP AT SHALLOWEST POINT. 36" DEPTH IS REQUIRED FOR PLANTING TREES.
14. UNDERDRAINS MAY BE REQUIRED UNLESS INFILTRATION TESTS IN SOILS AT BOTTOM OF PLANTER SHOW SATURATED INFILTRATION RATES OF GREATER THAN 1/2" PER HOUR (1 FOOT/DAY).

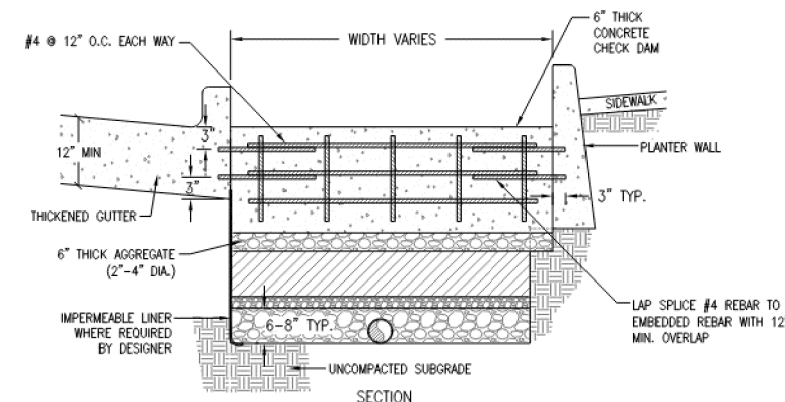
NOTES:

1. SIZE INLETS TO ACCOMMODATE DESIRED FLOWS.
2. INLETS & GUTTER MAY BE MODIFIED TO ADJUST FLOW INTO PLANTER.

	TYPICAL DETAILS	REV. 1
	STORMWATER PLANTER NOTES	DATE: 2/17/15 ORIG. DATE: 12/19/14 SCALE: N.T.S. DETAIL NO. 22



PLAN



SECTION

NOTES:

1. CONCRETE CHECK DAMS CAN BE USED IN LOCATIONS OTHER THAN STORMWATER PLANTERS WITH SUFFICIENT ANCHORING DEFINED BY THE DESIGNER.
2. REFER TO TYPICAL DETAIL NO. 17 "STORMWATER PLANTER SECTIONS 1 OF 2" AND TYPICAL DETAIL NO. 18 "STORMWATER PLANTER SECTIONS 2 OF 2" FOR DESIGN OF PLANTER SECTION.
3. MASONRY MAY BE USED IN PLACE OF CONCRETE FOR CHECK DAM CONSTRUCTION.
4. ENSURE THAT CHECK DAM ELEVATIONS DO NOT CAUSE STORMWATER TO OVERFLOW INTO SIDEWALK.
5. CONCRETE SHALL HAVE A 28 DAY STRENGTH OF 4,000 PSI AND AIR ENTRAINMENT OF 7%.
6. EMBED REBAR 3" INTO CURB AND PLANTER WALL.
7. SPECIFY REBAR OVERLAP LENGTH FOR CHECK DAMS THAT SPAN LONGER THAN 12'. INSTALL REBAR PER ACI 318 BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, LATEST EDITION.

	TYPICAL DETAILS	REV. 1
	CONCRETE CHECK DAM (SHOWN IN STORMWATER PLANTER)	DATE: 2/17/15 ORIG. DATE: 12/19/14 SCALE: N.T.S. DETAIL NO. 23

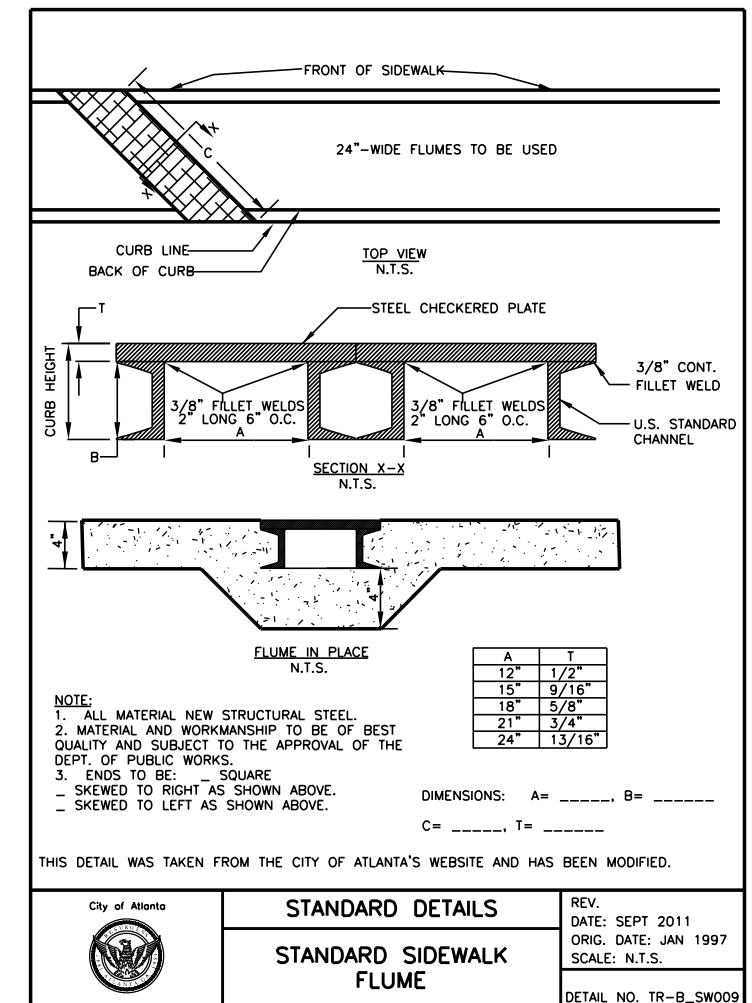
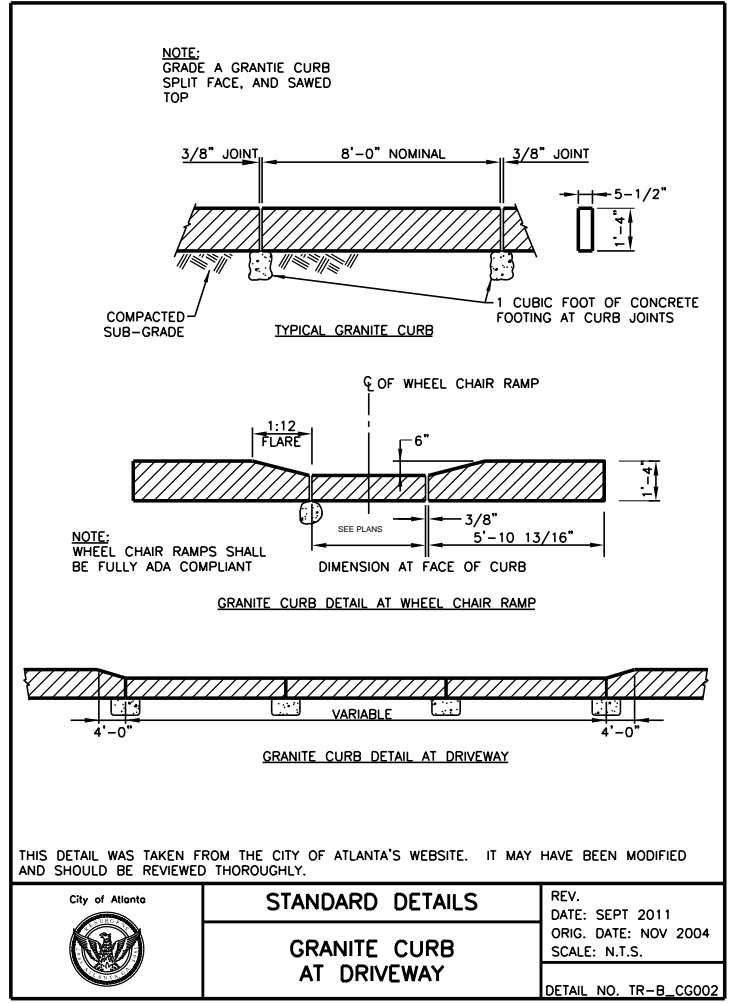
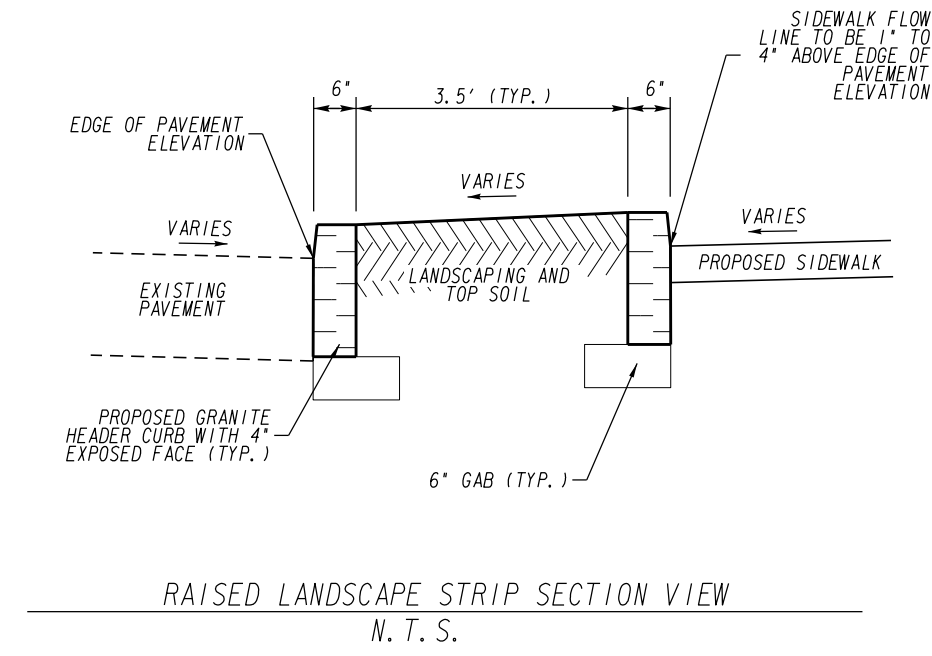
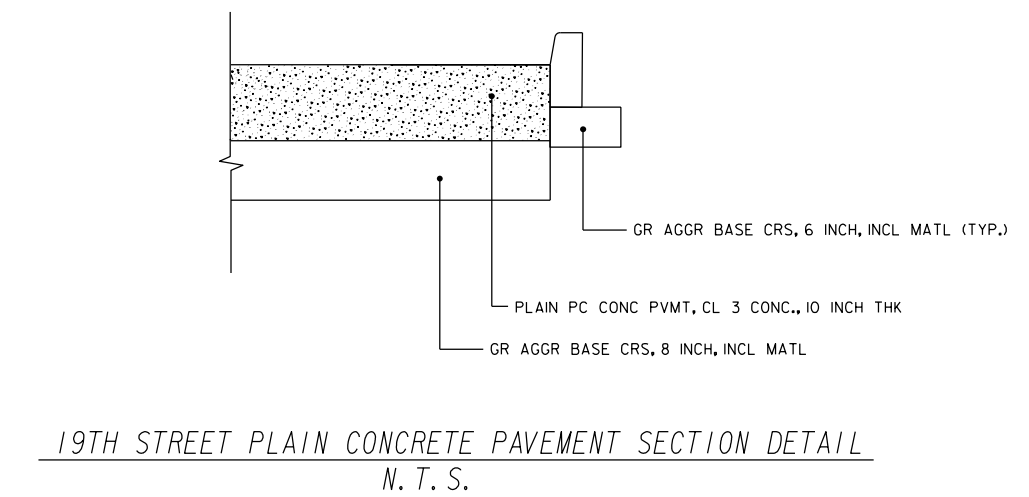
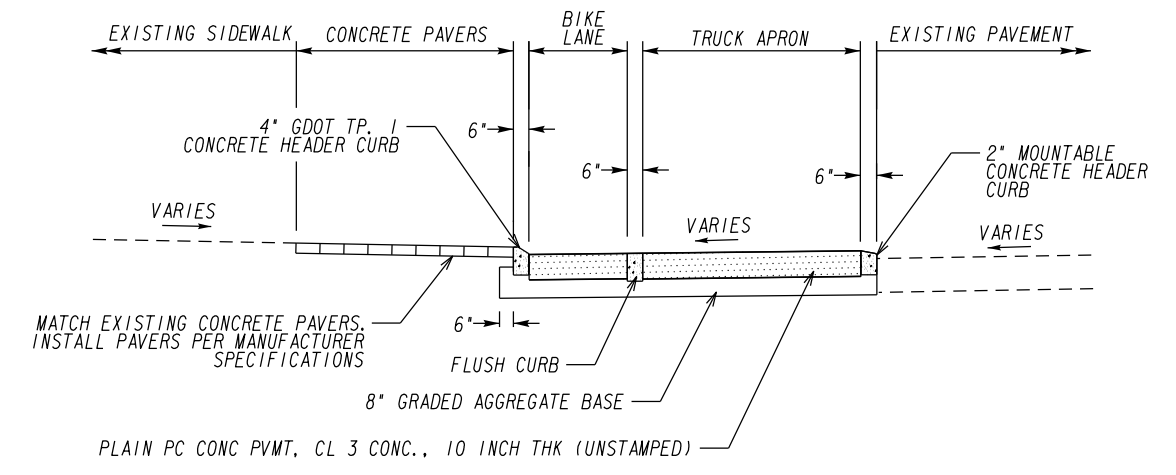
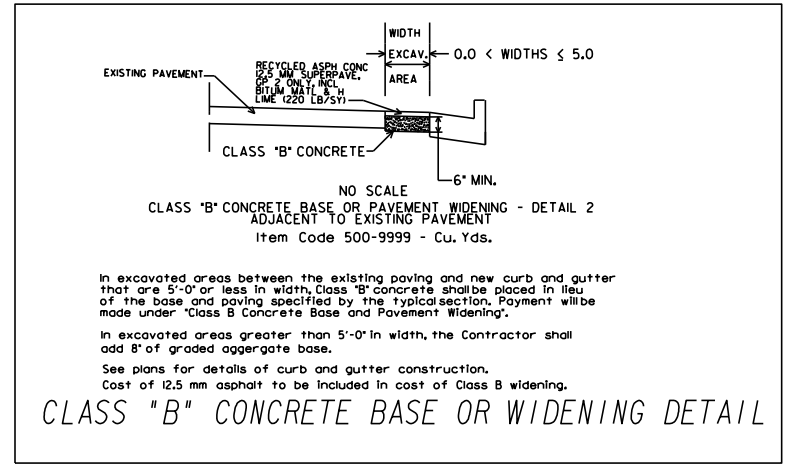
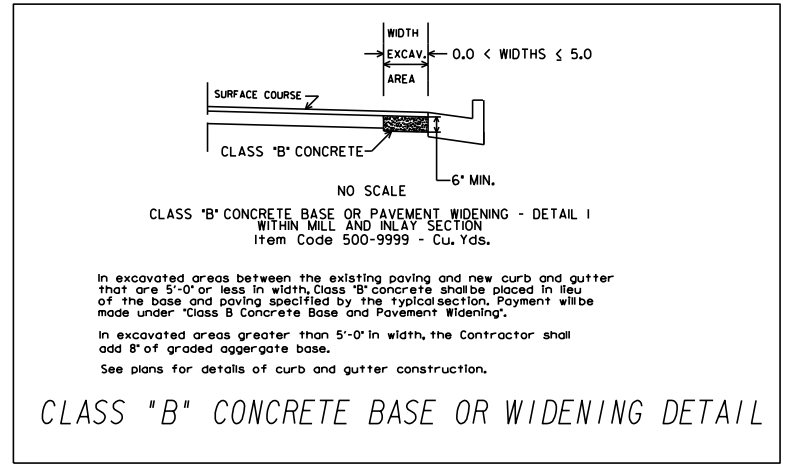
REVISION DATES

SPECIAL CONSTRUCTION DETAIL

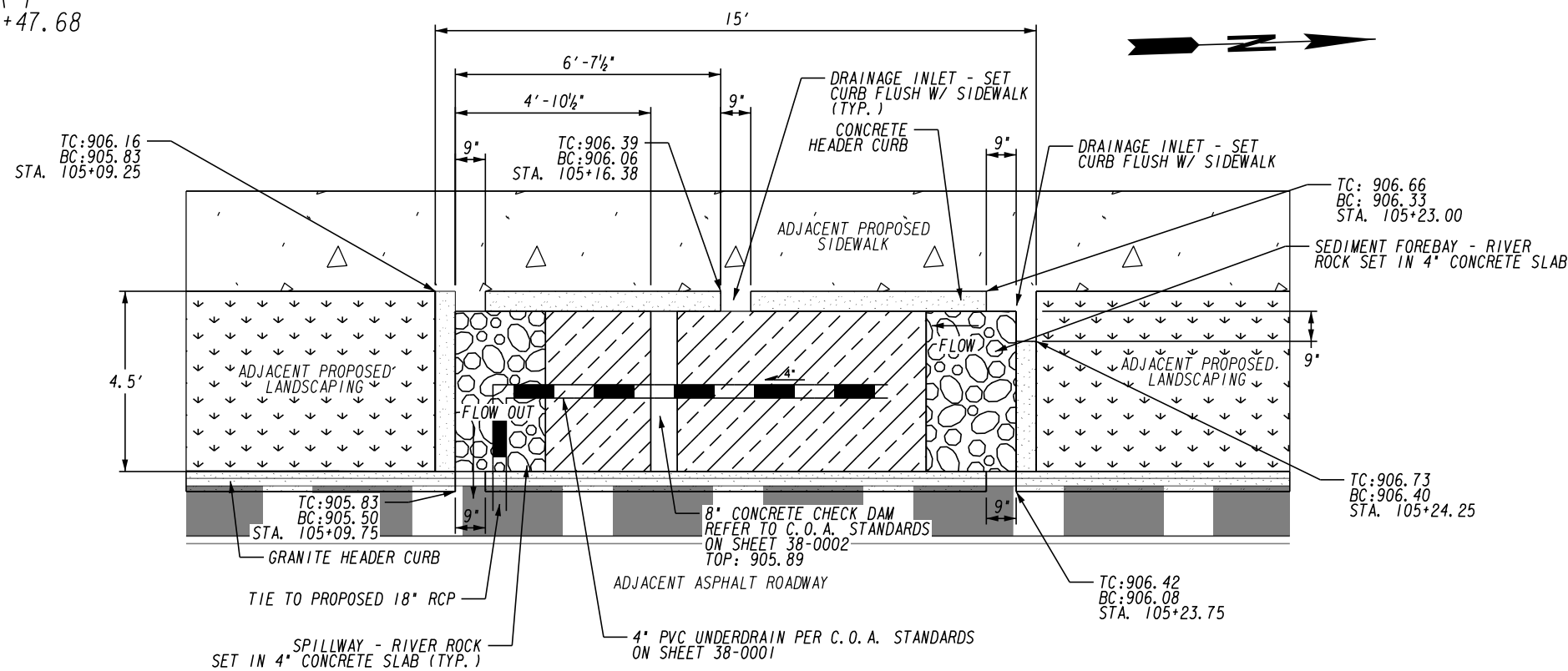
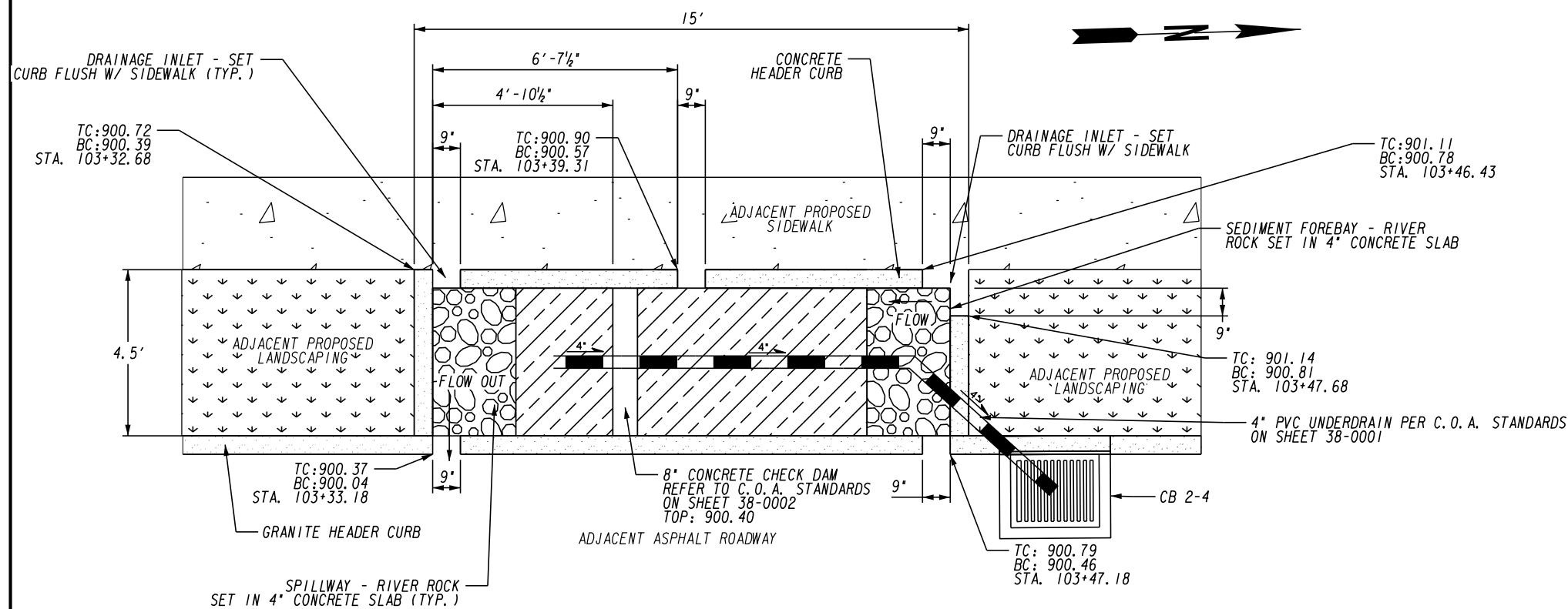
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BACKCHECKED:	DATE:	38-0002
CORRECTED:	DATE:	
VERIFIED:	DATE:	

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DRAWING No.			38-0003



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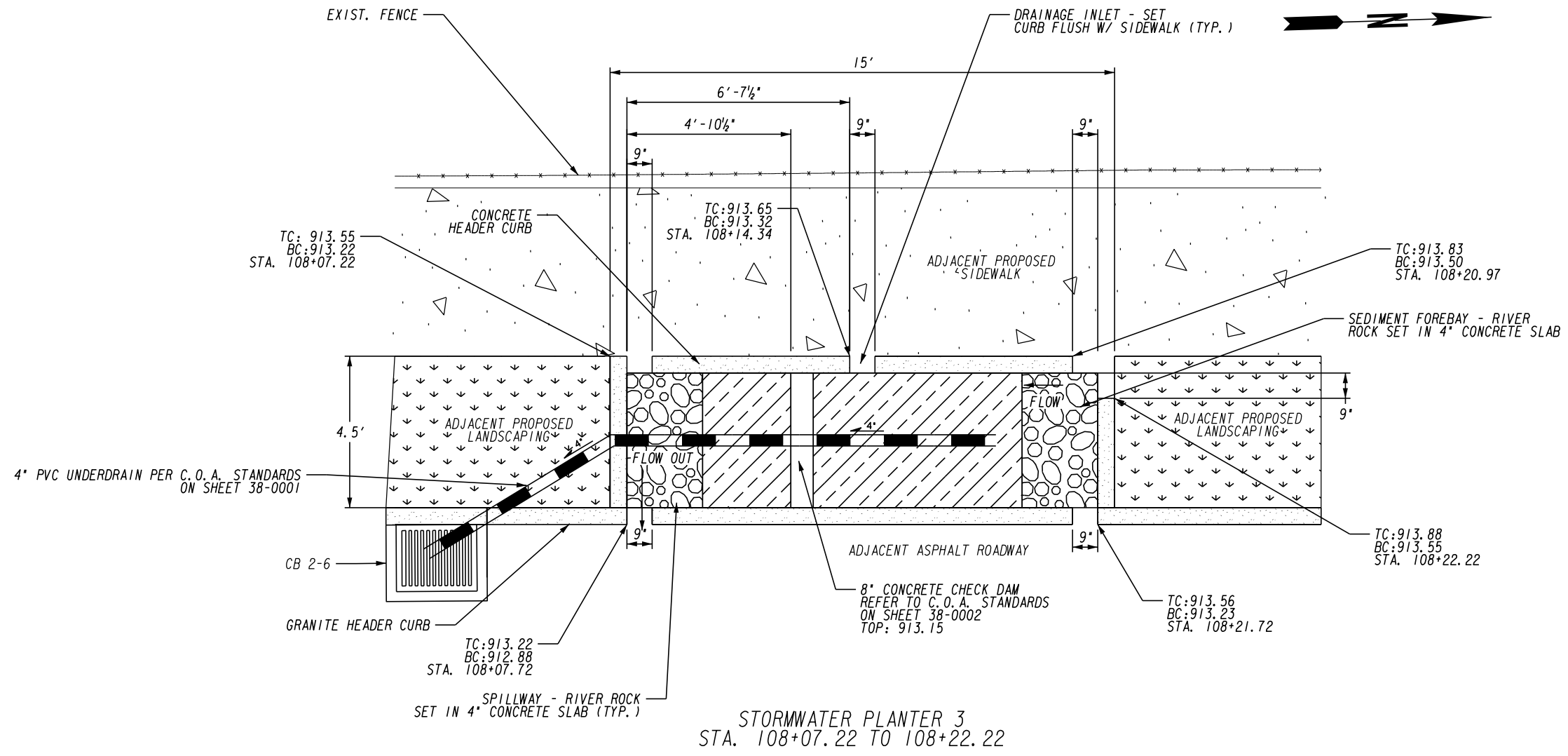
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REVISION DATES

NO.	DATE	DESCRIPTION

SPECIAL CONSTRUCTION DETAIL

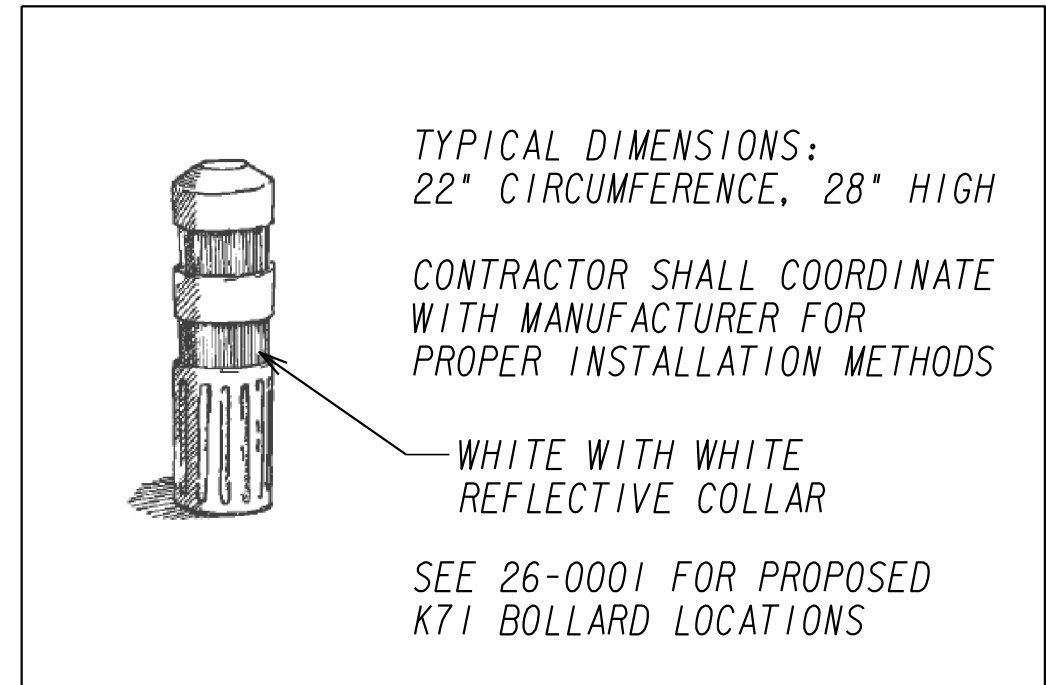
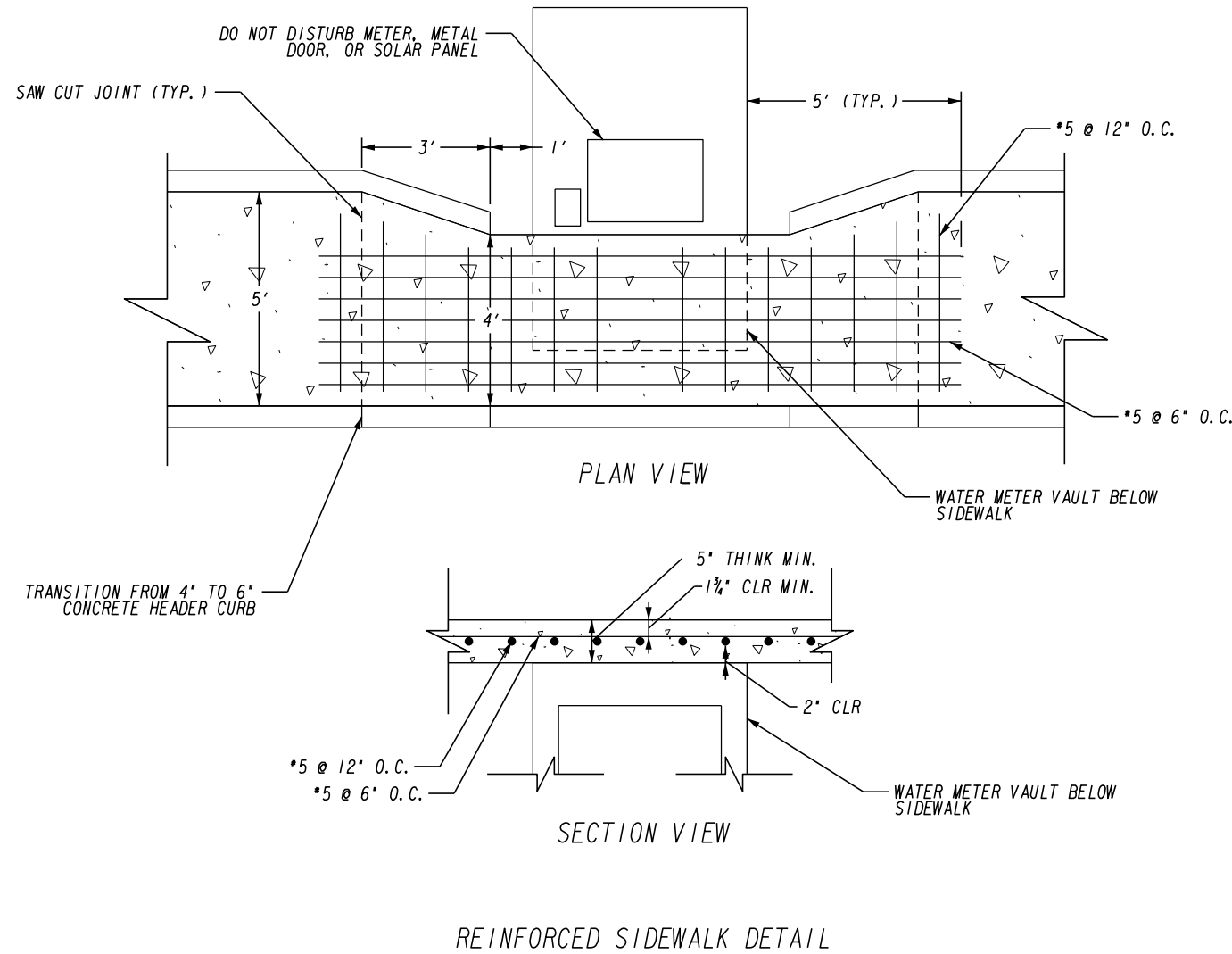
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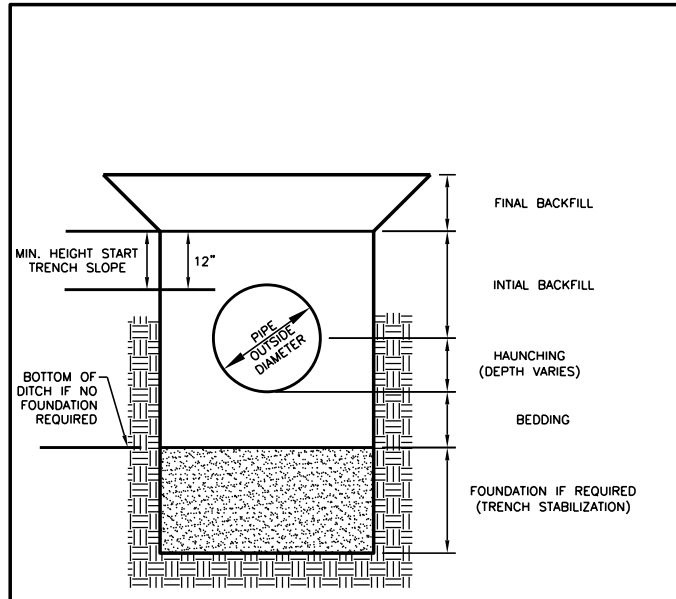
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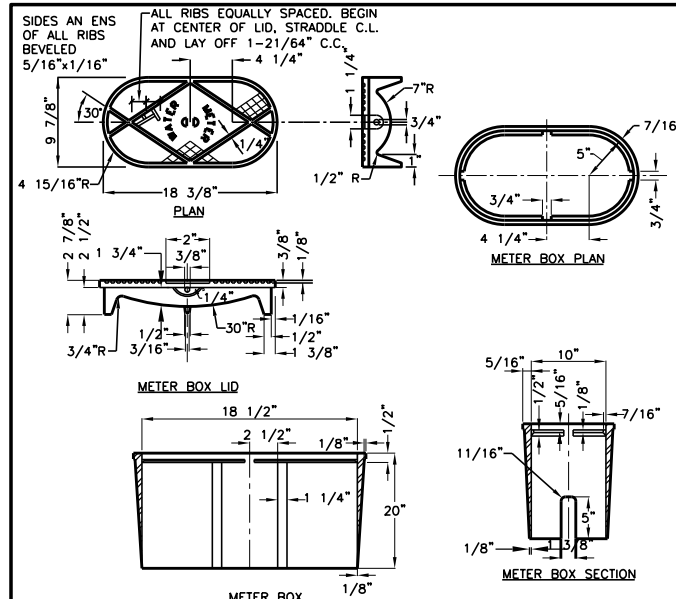


K71 BOLLARD TYPICAL DETAIL
NTS



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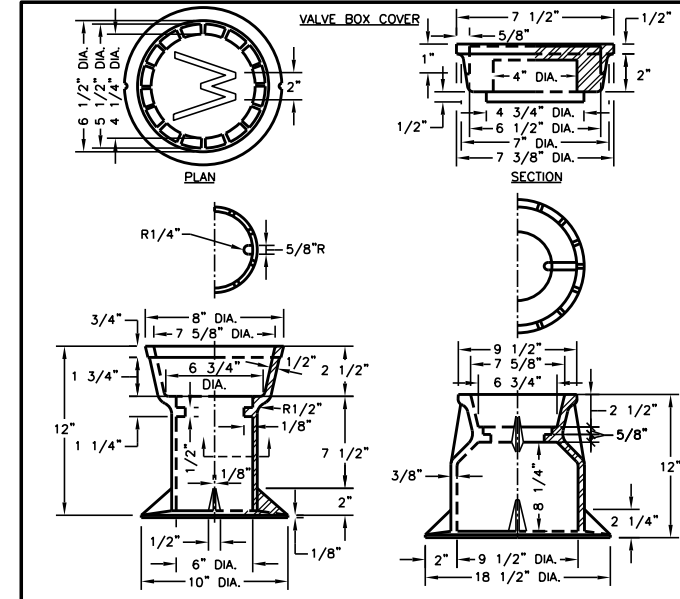
	STANDARD DETAILS	REV. DATE: OCT. 2011
	TRENCH TERMINOLOGY	ORIG. DATE: OCT. 2004 SCALE: N.T.S. DETAIL NO. WR-G_TR003



- GENERAL NOTES:**
- UNLESS NOTED OTHERWISE, CAST IRON SHALL CONFORM TO A.S.T.M. SPECIFICATIONS A48 LATEST REVISION FOR CLASS 20 GREY IRON CASTINGS.
 - CASTINGS SHALL BE TRUE AND FREE OF HOLES. THEY SHALL BE CLEANED ACCORDING TO GOOD FOUNDRY PRACTICE, CHIPPED AND GROUND AS NEEDED TO REMOVE FINES AND ROUGH PLACES.
 - FINISHED CASTINGS SHALL BE COATED INSIDE AND OUTSIDE WITH COAL TAR PITCH VARNISH AS INDICATED IN A.W.W.A. SPECIFICATIONS C110, LATEST REVISION. COATING MAY BE APPLIED COLD AND SHALL BE SMOOTH, GLOSSY, NOT BRITTLE WHEN COLD, NOT STICKY WHEN EXPOSED TO THE SUN, AND SHALL ADHERE TO THE METAL AT ALL TEMPERATURES.
 - WHEN COATING IS COMPLETE, LID SHALL FIT SNUGLY WITHOUT ROCKING.

THIS DETAIL WAS TAKEN FROM THE CITY OF ATLANTA'S WEBSITE. IT MAY HAVE BEEN MODIFIED AND SHOULD BE REVIEWED THOROUGHLY.

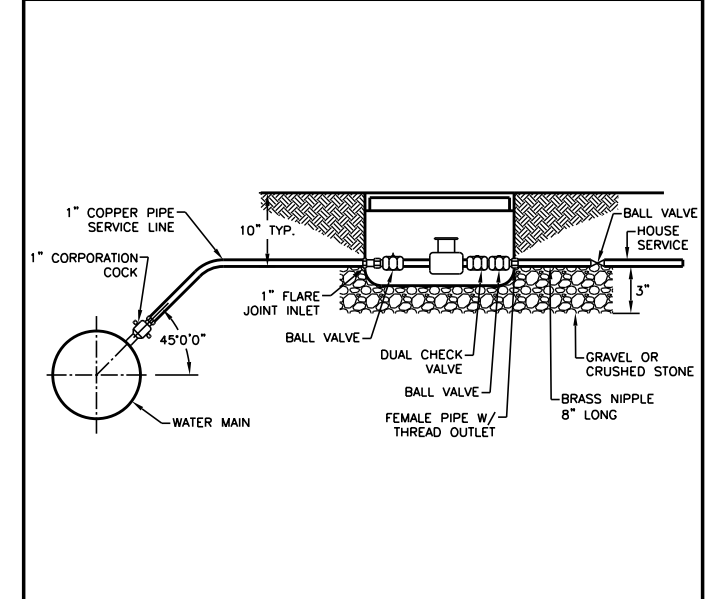
	STANDARD DETAILS	DATE: OCT. 2011
	TYPICAL METER BOX ASSEMBLY	ORIG. DATE: OCT. 2004 SCALE: N.T.S. DETAIL NO. WR-G_ME001



- NOTES:**
- UNLESS NOTED OTHERWISE, CAST IRON SHALL CONFORM TO A.S.T.M. SPECIFICATIONS A48 LATEST REVISION FOR CLASS 20 GREY IRON CASTINGS.
 - CASTING SHALL BE TRUE AND FREE OF HOLES. THEY SHALL BE CLEANED ACCORDING TO GOOD FOUNDRY PRACTICE, CHIPPED AND GROUND AS NEEDED TO REMOVE FINES AND ROUGH PLACES.
 - FINISHED CASTING SHALL BE COATED INSIDE AND OUTSIDE WITH COAL TAR PITCH VARNISH AS INDICATED IN A.W.W.A. SPECIFICATIONS C110 LATEST REVISION. COATING MAY BE APPLIED COLD AND SHALL THOROUGHLY COVER ALL METAL SURFACES. FINISHED COATING SHALL BE SMOOTH, GLOSSY NOT BRITTLE WHEN COLD, NOT STICKY WHEN EXPOSED TO THE SUN, AND SHALL ADHERE TO THE METAL AT ALL TEMPERATURES.
 - WHEN COATING IS COMPLETE, LID SHALL FIT SNUGLY WITHOUT ROCKING.

THIS DETAIL WAS TAKEN FROM THE CITY OF ATLANTA'S WEBSITE. IT MAY HAVE BEEN MODIFIED AND SHOULD BE REVIEWED THOROUGHLY.

	STANDARD DETAILS	REV. DATE: OCT. 2011
	TYPICAL 4"-12" VALVE BOX ASSEMBLIES	ORIG. DATE: OCT. 2004 SCALE: N.T.S. DETAIL NO. WR-G_VB002



- NOTE:**
- FOR 1 1/2" AND 2-INCH SERVICES, MULTIPLE 1-INCH SERVICE LINES SHALL BE PROVIDED BETWEEN WATER MAIN AND WATER METER.
 - NEW SERVICE LINE UNDER ROADWAYS SHALL BE INSTALLED IN A CASING. REPLACEMENT SERVICE LINES MAY BE INSTALLED BY FREE BORE IF EXIST SERVICE IS NOT CASING.

THIS DETAIL WAS TAKEN FROM THE CITY OF ATLANTA'S WEBSITE. IT MAY HAVE BEEN MODIFIED AND SHOULD BE REVIEWED THOROUGHLY.

	STANDARD DETAILS	REV. DATE: OCT. 2011
	WATER SERVICE AND METER CONNECTION	ORIG. DATE: OCT. 2004 SCALE: N.T.S. DETAIL NO. WR-G_SV004

REVISION DATES

SPECIAL CONSTRUCTION DETAIL

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BACKCHECKED:	DATE:	38-0007
CORRECTED:	DATE:	
VERIFIED:	DATE:	

36 CLEARING PHASE EROSION CONTROL NOTES:

- NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50 FOOT UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION WITHOUT FIRST ACQUIRING NECESSARY VARIANCES AND PERMITS.
- PRIOR TO THE LAND DISTURBING CONSTRUCTION, THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE AREA SITE DEVELOPMENT INSPECTOR. THE CONTRACTOR SHALL OBSERVE THE PROJECT SEQUENCE SHOWN ON THE PLANS, THE CONTRACTOR SHALL MAINTAIN CAREFUL SCHEDULING AND PERFORMANCE TO ENSURE THAT LAND STRIPPED OF ITS NATURAL COVER IS EXPOSED ONLY AS NEEEDED TO INSTALL THE INITIAL BMP'S AND AS DESCRIBED IN THE PLANS.
- THE OWNER AGREES TO PROVIDE AND MAINTAIN OFF-STREET PARKING ON THE SUBJECT PROPERTY DURING THE ENTIRE CONSTRUCTION PERIOD. NO STAGING AREAS, MATERIAL STORAGE, CONCRETE WASH OUT AREAS, OR DEBRIS BURN AND BURIAL HOLES SHALL BE LOCATED WITHIN 500 FEET OF DESIGNATED TREE PROTECTION AREAS. A COPY OF THE APPROVED LAND DISTURBANCE PLAN AND PERMIT SHALL BE PRESENT ON THE SITE AT ALL TIMES. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND-DISTURBING ACTIVITIES.
- PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITY, THE LIMITS OF LAND DISTURBANCE SHALL BE CLEARLY AND ACCURATELY DEMARCATED WITH STAKES, RIBBONS, OR OTHER APPROPRIATE MEANS. THE LOCATION AND EXTENT OF ALL AUTHORIZED LAND DISTURBANCE ACTIVITY SHALL BE DEMARCATED FOR THE DURATION OF THE CONSTRUCTION ACTIVITY. NO LAND DISTURBANCE SHALL OCCUR OUTSIDE THE APPROVED LIMITS INDICATED ON THE APPROVED PLANS.
- PRIOR TO ANY OTHER CONSTRUCTION, A STABILIZED CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED AT EACH POINT OF ENTRY TO OR EXIT FROM THE SITE OR ONTO ANY PUBLIC ROADWAY.
- THE FOLLOWING INITIAL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY.
 - THE CONSTRUCTION EXIT, CONSISTING OF A MINIMUM PAD SIX (6) FEET BY 50 FEET WITH A MINIMUM OF 6" THICK STONE, SHALL BE PLACED AS SHOWN ON THE PLAN AND AS DETAILED IN MANUAL FOR EROSION CONTROL IN GEORGIA. THE STONE SIZE SHOULD CONSIST OF COURSE AGGREGATE BETWEEN 1-1/2" & 3 1/2" IN DIAMETER AND OVERLAIN ON A GEOTEXTILE UNDERLINER. THE GEOTEXTILE UNDERLINER SHALL MEET THE REQUIREMENTS OF AASHTO M288-96, SECTION 7.3 SEPARATION REQUIREMENTS.
 - IMMEDIATELY AFTER THE ESTABLISHMENT OF CONSTRUCTION ENTRANCE/EXITS, ALL PERIMETER EROSION CONTROL AND STORM WATER MANAGEMENT DEVICES (IF ALSO INTENDED FOR SEDIMENT STORAGE) SHALL BE INSTALLED AS SHOWN ON THE CLEARING PHASE EROSION CONTROL PLAN. IN SOME INSTANCES, SOME PRELIMINARY GRADING MAY BE REQUIRED TO INSTALL STORMWATER MANAGEMENT FACILITIES OR TEMPORARY SEDIMENT BASINS. IMMEDIATELY FOLLOWING PRELIMINARY GRADING ACTIVITIES, THE CONTRACTOR SHALL CONSTRUCT DIVERSION DIKES AS SHOWN ON PLAN. THE CONTRACTOR SHALL MAINTAIN THE SEDIMENT POND UNTIL CONSTRUCTION IS COMPLETE AND PERMANENT SURROUNDING GROUND COVER IS ESTABLISHED. SEDIMENT SHALL BE CLEANED OUT OF THE PONDS WHEN IT REACHES THE 1/3 DEPTH OF BASIN. SEE SEPARATE DETAILS FOR ADDITIONAL INFORMATION.
 - SILT FENCE (SENSITIVE AND NON-SENSITIVE) SHOULD BE INSTALLED AT THE PERIMETER OF THE DISTURBED AREA AS SHOWN ON THE PLAN. THE SILT FENCE SHOULD BE PLACED IN ACCORDANCE WITH THE MANUAL FOR EROSION CONTROL IN GEORGIA. TABLE 6-20.2 THE SILT FENCE SHOULD BE KEPT ERRECT AT ALL TIMES AND REPAIRED WHEN REQUESTED BY THE SITE INSPECTOR OR THE PROJECT DESIGN PROFESSIONAL OF RECORD. SILT SHOULD BE REMOVED WHEN ACCUMULATION REACHES 1/2 HEIGHT OF THE BARRIER. THE PERIMETER SILT FENCE SHOULD BE INSPECTED DAILY FOR ANY FAILURES. ANY FAILURES OF SAID FENCING SHOULD BE REPAIRED IMMEDIATELY.
 - INLET SEDIMENT PROTECTION MEASURES SHALL BE INSTALLED ON ALL EXISTING STORM STRUCTURES AS SHOWN ON THE PLAN. SEE SEPARATE DETAILS FOR SPECIFICS ON TYPE OF INLET PROTECTION SPECIFIED.
 - STONE CHECK DAMS SHALL BE INSTALLED IN AREAS OF CONCENTRATED FLOWS AS SHOWN ON THE PLAN.
 - TREE PROTECTION FENCING SHOULD BE INSTALLED PRIOR TO THE START OF ANY LAND DISTURBANCE ACTIVITY AND MAINTAINED UNTIL FINAL LANDSCAPE IS INSTALLED. THE TREE PROTECTION FENCING SHOULD BE INSPECTED DAILY. ANY FAILURES OF SAID FENCING SHOULD BE REPAIRED IMMEDIATELY.
 - NO OTHER CONSTRUCTION ACTIVITIES SHALL OCCUR UNTIL THE PROJECT DESIGN PROFESSIONAL APPROVES THE INSTALLATION OF SAID EROSION CONTROL MEASURES. IF UNFORESEEN CONDITIONS EXIST IN THE FIELD THAT WARRANTS ADDITIONAL EROSION CONTROL MEASURES, THE CONTRACTOR MUST CONSTRUCT ANY ADDITIONAL EROSION CONTROL DEVICES DEEMED NECESSARY BY THE SITE INSPECTOR.
 - AMENDMENTS/REVISIONS TO THE ESPC PLAN WHICH HAVE A SIGNIFICANT EFFECT ON BMPS WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.
 - AFTER APPROVAL OF THE INITIAL EROSION CONTROL INSTALLATION, THE CONTRACTOR MAY PROCEED WITH CLEARING AND GRUBBING ACTIVITIES. THE CONTRACTOR SHALL CONSTRUCT TEMPORARY SEDIMENT PONDS AND DIVERSION DIKES AS SHOWN ON THE CLEARING PHASE PLAN TO CONTROL EROSION AND STORM WATER RUN OFF. THE CONTRACTOR MAY UTILIZE DOWNED TREES AND OTHER CUT VEGETATION FOR SEDIMENT CONTROL OR AS A "BRUSH BARRIER" IN AREAS SHOWN ON PLAN WHERE INITIAL GRADING ACTIVITIES WILL NOT OCCUR. * NO BURN OR BURY PITS SHALL BE PERMITTED ON THE CONSTRUCTION SITE WITHOUT WRITTEN PERMISSION BY THE MUNICIPALITY, OWNER AND/OR ENGINEER OF RECORD.
 - ADDITIONAL SILT BARRIERS MUST BE PLACED AS SHOWN ON THE PLAN AS ACCESS IS OBTAINED DURING CLEARING. NO GRADING SHALL TAKE PLACE UNTIL SILT BARRIER INSTALLATION AND SEDIMENT PONDS ARE CONSTRUCTED AS SHOWN ON THE CLEARING PHASE EROSION CONTROL PLAN.
 - ALL SILT FENCE MUST MEET THE REQUIREMENTS OF SECTION 171-TEMPORARY SILT FENCE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF GEORGIA, STANDARD SPECIFICATIONS, 1983 EDITION.
 - ALL ITEMS IN THIS SECTION OF THE SPECIFICATIONS SHALL MEET THE REQUIREMENTS AS SET FORTH IN SECTION 161, 162, 163 AND 184 OF THE GEORGIA D.O.T. STANDARD SPECIFICATIONS, FOR ROADS AND BRIDGES.
 - MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 14 DAYS OF LAND DISTURBANCE.
 - ALL DISTURBED AREAS LEFT MULCHED AFTER 30 DAYS SHALL BE STABILIZED WITH TEMPORARY VEGETATION.
 - SEDIMENT AND EROSION CONTROL MEASURES SHOULD BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED.
 - THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1-3" OF STONE, AS CONDITIONS DEMAND. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY.
 - CONTRACTOR SHALL INSPECT CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.
 - EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE AS DIRECTED BY THE ON SITE INSPECTOR OR THE CIVIL ENGINEER.
 - FAILURE TO INSTALL, OPERATE, OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED EROSION CONTROL PLANS.
 - SEDIMENT SHALL BE CLEANED OUT OF THE PONDS WHEN IT REACHES THE HALF WAY POINT ON THE RISER.
 - SEDIMENT AND EROSION CONTROL MEASURES SHOULD BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED. THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACK OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1-3" OF STONE, AS CONDITIONS DEMAND. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY.
 - CONTRACTOR SHALL INSPECT CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.
 - EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE AS DIRECTED BY THE ON SITE INSPECTOR OR THE CIVIL ENGINEER.
 - FAILURE TO INSTALL, OPERATE, OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED EROSION CONTROL PLANS.
 - UPON COMPLETION OF THE PROJECT AND RECEIPT OF CERTIFICATE OF OCCUPANCY, THE CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION CONTROL MEASURES AND DISPOSE OF THEM UNLESS NOTED ON PLANS

CRITICAL WORKZONE EROSION CONTROL NOTES:

- SHADED AREAS SHOWN ON GRADING PHASE EROSION CONTROL PLANS REPRESENT CRITICAL WORK ZONES. AT THE END OF EACH WORK DAY ALL SLOPES 2:1 OR STEEPER AND HIGHER THAN 5 FEET SHALL RECEIVE SURFACE ROUGHENING, POLYMERS, AND EROSION CONTROL MATTING. ADDITIONALLY, ALL FILL SLOPES SHALL RECEIVE A DIVERSION DIKE AND TEMPORARY DOWN DRAINS ALONG THE TOP OF THE SLOPE PREVENTING DRAINAGE SPILLING OVER THE EDGE AND DOWN THE FACE OF THE SLOPE. THE TEMPORARY DOWN DRAINS SHALL BE CONSTRUCTED WITH PERFORATED STAND PIPES AT THE TOP OF THE SLOPE AND RECONSTRUCTED EACH DAY AS THE SLOPE INCREASES IN HEIGHT. (NO CRITICAL AREAS EXIST ON THIS SITE)
- EROSION CONTROL AND TREE PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY AND MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND-DISTURBING ACTIVITIES.
- EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE, OR AS DIRECTED BY THE EROSION CONTROL INSPECTOR.
- ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

36 GRADING PHASE EROSION CONTROL NOTES:

- DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN CAREFUL SCHEDULING AND PERFORMANCE TO ENSURE THAT LAND STRIPPED OF ITS NATURAL COVER IS EXPOSED ONLY WHEN NECESSARY TO PERFORM GRADING AND INSTALL UTILITIES. NOTE ANY SUB PHASES THAT MAY BE SHOWN ON PLANS.
- EARTHWORK OPERATIONS IN THE VICINITY OF STREAM BUFFERS SHALL BE CAREFULLY CONTROLLED TO AVOID DUMPING OR SLOUGHING INTO THE BUFFER AREAS.
- THE FOLLOWING CONSTRUCTION ACTIVITIES AND IMPLEMENTATION OF EROSION CONTROL MEASURES MAY OCCUR DURING THE INTERMEDIATE/GRADING PHASE OF CONSTRUCTION.
 - GRADING AND EARTHWORK
 - MAJOR UTILITIES INSTALLATION SUCH AS STORM DRAINAGE, SANITARY SEWER AND POTABLE WATER LINE
 - ROADWAY PREPARATION AND PAVING
 - MAINTENANCE AND MODIFICATIONS TO TEMPORARY EROSION CONTROL MEASURES AS DEPICTED IN THE PLANS
 - SEDIMENT SHALL NOT BE ALLOWED TO DRAIN INTO EXISTING OR PROPOSED INLETS. SEDIMENT COLLECTED DURING MAINTENANCE OF EROSION CONTROL DEVICES SHALL BE REMOVED FROM THE SITE OR SPREAD IN LANDSCAPED OR NATURALLY VEGETATED AREAS, SEEDED AND COVERED WITH STRAW OR MULCH.
 - EROSION CONTROL DEVICES SHALL BE INSTALLED IMMEDIATELY AFTER GROUND DISTURBANCE OCCURS. THE LOCATION OF SOME OF THE EROSION CONTROL DEVICES MAY HAVE TO BE ALTERED FROM THAT SHOWN ON THE APPROVED PLANS IF DRAINAGE PATTERNS DURING CONSTRUCTION ARE DIFFERENT FROM THE PROPOSED DRAINAGE PATTERNS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASED TO BE REPORTED TO THE DESIGN PROFESSIONAL IMMEDIATELY.
 - THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY EROSION CONTROL MEASURES WHILE ROADWAY FRONTAGE IMPROVEMENTS ARE BEING MADE.
 - TYPE "C" SILT FENCE SHOULD BE INSTALLED AT THE TOE OF ALL FILL SLOPES 10 FEET OR GREATER IN HEIGHT. THE SILT FENCE SHOULD BE PLACED IN ACCORDANCE WITH THE MANUAL FOR EROSION CONTROL IN GEORGIA, TABLE 6-20.2. THE SILT FENCE SHALL BE MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED ON THE SLOPE. SILT SHALL BE REMOVED WHEN ACCUMULATION REACHES 1/2 HEIGHT OF BARRIER. ADDITIONALLY, DIVERSION DIKES SHALL BE CONSTRUCTED ALONG THE TOP OF ALL SAID FILL SLOPES WITH THE USE OF TEMPORARY DOWN DRAINS TO CONTROL STORM WATER RUN OFF AS SHOWN ON THE PLANS. SEE SEPARATE DETAILS FOR ADDITIONAL INFORMATION.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING SILT BARRIERS AT THE TOE OF SLOPES UNDER CONSTRUCTION. THESE BARRIERS SHALL BE SHOWN IN THE PLANS. THESE BARRIERS MAY BE RELOCATED AND REUSED AFTER PERMANENT SLOPE STABILIZATION BECOMES FULLY ESTABLISHED. AS THEY ARE RELOCATED, ANY DEFECTIVE MATERIALS IN THE BARRIER SHALL BE REPLACED. IN ADDITION, ALL DEBRIS AND SILT AT THE PREVIOUS LOCATION SHALL BE REMOVED.
 - CUT AND FILL SLOPES ARE NOT TO EXCEED 2H:1V
 - ALL SLOPES STEEPER THAN 2.5:1 AND WITH A HEIGHT OF TEN FEET OR GREATER, AND CUTS AND FILLS WITHIN STREAM BUFFERS, SHALL BE STABILIZED WITH APPROPRIATE EROSION CONTROL MATTING OR BLANKETS. SEE SEPARATE DETAILS FOR ADDITIONAL INFORMATION.
 - TYPE "C" SILT FENCE SHALL BE PLACED AT THE TOE OF ANY DIRT STOCK PILE AREAS. SEE SEPARATE DETAILS FOR ADDITIONAL INFORMATION.
 - INLET SEDIMENT PROTECTION MEASURES SHALL BE INSTALLED ON ALL STORM STRUCTURES AS THEY ARE CONSTRUCTED. SEE PLAN VIEW FOR SPECIFIC TYPE AND SEPARATE DETAILS FOR ADDITIONAL INFORMATION ON TYPE OF INLET PROTECTION SPECIFIED.
 - STORM DRAIN OUTLET PROTECTION SHALL BE PLACED AT ALL OUTLET HEADWALLS AS SOON AS THE HEADWALL IS CONSTRUCTED. SEE SEPARATE DETAILS FOR ADDITIONAL INFORMATION.
 - STONE CHECK DAMS SHALL BE INSTALLED IN AREAS OF CONCENTRATED FLOWS AS SHOWN ON THE PLAN. SEE SEPARATE DETAIL FOR ADDITIONAL INFORMATION.
 - ALL DRAINAGE SWALES SHALL BE STABILIZED AND VEGETATED AS SOON AS FINAL GRADE IS ACHIEVED.
 - ALL GRADED AREAS SHALL RECEIVE VEGETATIVE COVER AS SOON AS FINAL GRADE IS ACHIEVED.
 - MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 14 DAYS OF LAND DISTURBANCE.
 - ALL DISTURBED AREAS LEFT MULCHED AFTER 30 DAYS SHALL BE STABILIZED WITH TEMPORARY GRASSING.
 - SEDIMENT AND EROSION CONTROL MEASURES SHOULD BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED.
 - THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1-3" OF STONE AS CONDITIONS DEMAND. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY.
 - CONTRACTOR SHALL INSPECT CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.
 - EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES, IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE AS DIRECTED BY THE ON SITE INSPECTOR OR THE CIVIL ENGINEER.
 - FAILURE TO INSTALL, OPERATE, OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED EROSION CONTROL PLANS.

29 ACTIVITY SCHEDULE

ACTIVITY	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 17	WEEK 18	WEEK 19	WEEK 20	WEEK 21	WEEK 22	WEEK 23	WEEK 24	WEEK 25	WEEK 26	WEEK 27	WEEK 28
INSTALLATION OF EROSION CONTROL TREE SAVE/FENCING																												
CLEARING AND GRUBBING																												
GRADING ACTIVITIES																												
INSTALLATION OF STORM SEWER																												
MAINTENANCE OF EROSION CONTROL																												
INSTALLATION OF PAVING																												
STABILIZATION OF SITE																												
REMOVAL OF EROSION CONTROL AND CLEAN OUT STORM PIPES																												

36 FINAL PHASE EROSION CONTROL NOTES:

- THE FOLLOWING EROSION CONTROL MEASURES SHALL BE IMPLEMENTED DURING THE FINAL EROSION CONTROL PHASE OF CONSTRUCTION.
- SEDIMENT SHALL NOT BE WASHED INTO INLETS. IT SHALL BE REMOVED FROM THE SEDIMENT TRAPS, SPREAD ON SITE AND STABILIZED SO THAT IT CANNOT ENTER THE INLETS AGAIN.
 - FINAL GRASSING (SEEDING OR SOODING) ALONG WITH ANY PROPOSED LANDSCAPING SHALL BE PERFORMED AS SOON AS PRACTICAL UPON COMPLETION OF CONSTRUCTION. OTHERWISE ALL ESPC MEASURES SHALL BE MAINTAINED UNTIL FINAL STABILIZATION IS ACCOMPLISHED.
 - THE CONTRACTOR SHALL MAINTAIN ALL SEDIMENT PONDS AND EROSION CONTROL MEASURES UNTIL PERMANENT GROUND COVER IS ESTABLISHED. SEDIMENT SHALL BE CLEANED OUT OF THE PONDS WHEN IT REACHES THE HALF WAY POINT ON THE RISER.
 - AFTER INSTALLATION OF CURBING AND ROADWAY PAVEMENT, ANY INLET SEDIMENT TRAPS ON SINGLE AND DOUBLE WING CATCH BASINS ALONG WITH ANY CURB INLETS SHALL BE REMOVED AND REPLACED WITH CURB FILTER INLET PROTECTION. SEE SEPARATE DETAIL FOR ADDITIONAL INFORMATION.
 - THE GRADED SHOULDER OF ALL ROADWAY AND PARKING AREAS SHOULD BE STABILIZED WITH VEGETATIVE COVER AS SOON AS FINAL GRADE IS ACHIEVED.
 - SEDIMENT AND EROSION CONTROL MEASURES SHOULD BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED. THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACK OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1-3" OF STONE, AS CONDITIONS DEMAND. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY.
 - CONTRACTOR SHALL INSPECT CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.
 - EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE AS DIRECTED BY THE ON SITE INSPECTOR OR THE CIVIL ENGINEER.
 - FAILURE TO INSTALL, OPERATE, OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED EROSION CONTROL PLANS.
 - UPON COMPLETION OF THE PROJECT AND RECEIPT OF CERTIFICATE OF OCCUPANCY, THE CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION CONTROL MEASURES AND DISPOSE OF THEM UNLESS NOTED ON PLANS

PERMIT COVERAGE:

THIS PLAN HAS BEEN PREPARED TO MEET THE REQUIREMENTS UNDER THE STATE OF GEORGIA DEPARTMENT OF NATURAL RESOURCES, ENVIRONMENTAL PROTECTION DIVISION (EPD), GENERAL PERMIT NO. GA010002 FOR AUTHORIZATION TO DISCHARGE UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES), STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY FOR INFRASTRUCTURE PROJECTS.

AUTHORIZED DISCHARGES:

- ALL DISCHARGES OF STORM WATER ASSOCIATED WITH CONSTRUCTION ACTIVITY THAT WILL RESULT IN LAND DISTURBANCE EQUAL TO OR GREATER THAN ONE ACRE. PART I.C.1.4.c
- ALL DISCHARGES COVERED BY THIS PERMIT SHALL BE COMPOSED ENTIRELY OF STORM WATER EXCEPT AS PROVIDED IN PART I.C.2 AND PART III.A.2 OF THE PERMIT.
- AUTHORIZED NON-STORM WATER DISCHARGES: PART I.C.2
 - THE INDUSTRIAL SOURCE OR ACTIVITY OTHER THAN CONSTRUCTION IS LOCATED ON THE SAME SITE AS THE CONSTRUCTION ACTIVITY AND IS AN INTEGRAL PART OF THE CONSTRUCTION ACTIVITY.
 - THE STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES ARE OCCURRING ARE IN COMPLIANCE WITH THE TERMS OF THIS PERMIT.
 - STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE AREAS OF THE SITE WHERE INDUSTRIAL ACTIVITY OTHER THAN CONSTRUCTION ARE OCCURRING ARE COVERED BY A DIFFERENT NPDES GENERAL PERMIT OR INDIVIDUAL PERMIT AUTHORIZING SUCH DISCHARGES AND THE DISCHARGES ARE IN COMPLIANCE WITH A WATER QUALITY PERMIT.
- AUTHORIZED NON-STORM WATER DISCHARGES: PART III.A.2
 - FIRE FIGHTING ACTIVITIES
 - FIRE HYDRANT FLUSHING
 - POTABLE WATER SOURCES INCLUDING WATER LINE FLUSHING
 - IRRIGATION DISCHARGE
 - AIR CONDITIONING CONDENSE
 - SPRINGS
 - UNCONTAMINATED GROUND WATER
 - FOUNDATION OR FOOTING DRAINS WHERE FLOWS ARE NOT CONTAMINATED WITH PROCESS MATERIALS OR POLLUTANTS.

LIMITATIONS ON COVERAGE PART I.C.3:

- THE FOLLOWING STORM WATER DISCHARGES FROM CONSTRUCTION SITES ARE NOT AUTHORIZED BY THIS PERMIT:
- STORMWATER DISCHARGES ASSOCIATED WITH AN INDUSTRIAL ACTIVITY THAT ORIGINATES FROM THE SITE AFTER CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED AND THE SITE HAS UNDERGONE FINAL STABILIZATION.
 - DISCHARGES THAT ARE MIXED WITH SOURCES OF NON-STORMWATER OTHER THAN DISCHARGES WHICH ARE IDENTIFIED IN PART III.A.2 OF THIS PERMIT AND WHICH ARE IN COMPLIANCE WITH PART IV.D.6 (NON-STORMWATER DISCHARGES) OF THE NPDES PERMIT.
 - STORMWATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY THAT ARE SUBJECT TO AN EXISTING NPDES INDIVIDUAL OR GENERAL PERMIT. SUCH DISCHARGES MAY BE AUTHORIZED UNDER THIS PERMIT AFTER AN EXISTING PERMIT EXPIRES PROVIDED THE EXISTING PERMIT DID NOT ESTABLISH NUMERIC LIMITATIONS FOR SUCH DISCHARGES.
 - STORMWATER DISCHARGES FROM CONSTRUCTION SITES THAT THE DIRECTOR (EPD) HAS DETERMINED TO BE OR MAY REASONABLY BE EXPECTED TO BE CONTRIBUTING TO A VIOLATION OF A WATER QUALITY STANDARD.

GENERAL NOTES:

- AMENDMENTS/REVISIONS TO THE ESPC PLAN WHICH HAVE A SIGNIFICANT EFFECT ON BMPs WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.
 - WHERE A RELEASE CONTAINING A HAZARDOUS SUBSTANCE IN AN AMOUNT EQUAL TO OR IN EXCESS OF A REPORTING QUANTITY ESTABLISHED UNDER EITHER GEORGIA'S OIL OR HAZARDOUS MATERIAL SPILLS OR RELEASES ACT (O.C.G.A. §§12-14-2, ET SEQ), 40 CFR 117 OR 40 CFR 302 OCCURS DURING A 24 HOUR PERIOD, THE PERMITTEE IS REQUIRED TO NOTIFY THE FOLLOWING AGENCIES IN ACCORDANCE WITH THE ABOVE MENTIONED REGULATIONS AS SOON AS HE HAS KNOWLEDGE OF THE DISCHARGE: EPD AT (404) 656-4883 OR (800) 241-4113, OR THE NATIONAL RESPONSE CENTER (NRC) AT (800) 424-8802. PART III.B.1
 - THIS PERMIT DOES NOT AUTHORIZE THE DISCHARGE OF HAZARDOUS SUBSTANCES RESULTING FROM AN ONSITE SPILL. PART III.B.2
 - ANY PLAN AMENDMENTS/REVISIONS TO THE ESPC PLAN WHICH HAVE SIGNIFICANT EFFECT ON BMPs WITH A HYDRAULIC COMPONENT BE CERTIFIED BY THE DESIGN PROFESSIONAL.
 - NO SPECIFIC SUBSTITUTE FOR TYPE C SILT FENCE IS PROPOSED FOR THIS PROJECT. HOWEVER, SHOULD THE CONTRACTOR CHOOSE TO UTILIZE AN ALTERNATIVE TYPE C SILT FENCE TECHNOLOGY, IT SHALL BE IDENTIFIED IN GDOT DOCUMENT Q9-36. ANY ALTERNATIVE TECHNOLOGY NOT IDENTIFIED IN THIS DOCUMENT CANNOT BE UTILIZED WITHOUT REVISING THE APPROVED ESPC PLAN WITH THE ISSUING AUTHORITY.
 - THE DESIGN PROFESSIONAL WHO PREPARED THE ESPC PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERMETER CONTROL BMPs WITHIN 7 DAYS AFTER INSTALLATION.
- WATER/WETLANDS**
- RECEIVING WATERS FOR THIS PROJECT IS STORM COLLECTION SYSTEM TO AN UNNAMED TRIBUTARY TO LAKE CLARA MEER.
 - WETLANDS AREAS DO NOT EXIST IN THE PROPOSED DISTURBED AREAS.
 - WETLANDS WERE NOT FOUND IN THE PROJECT AREA. STATE WATERS ARE NOT WITHIN 200' OF THE PROJECT AREA.
 - APPENDIX 1: THE PROPERTY DOES NOT LIE WITHIN A ONE-MILE RADIUS OF AN IMPAIRED STREAM, PER THE GSWCC 2014 INTEGRATED 305(i)/303(d) LIST DOCUMENTS (APPROVED). ADDITIONAL BMPs ARE NOT REQUIRED FOR PROJECT ONLINE GSWCC RESOURCES WERE USED FOR CONFIRMATION.
 - NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50-FOOT UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION OR WITHIN 25-FEET OF THE COASTAL MARSHLAND BUFFER AS MEASURED FROM THE JURISDICTIONAL DETERMINATION LINE WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.
 - NO STATE WATERS AND REQUIRED BUFFERS ARE ON-SITE.
 - THERE ARE NO BUFFER ENCROACHMENTS. THERE IS NO VARIANCE REQUIRED.
 - THIS PROJECT DOES NOT USE ALTERNATIVE BMPs FOR APPLICATION TO THE EQUIVALENT BMP LIST. PLEASE REFER TO APPENDIX A-2 OF THE MANUAL FOR EROSION & SEDIMENT CONTROL IN GA 2017 EDITION.

WASTE DISPOSAL

- WASTE DISPOSAL, SOLID MATERIALS, INCLUDING BUILDING MATERIALS, SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY THE SECTION 404 PERMIT.
- ALL WASTE MATERIALS WILL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER. THE DUMPSTER WILL MEET ALL SOLID WASTE MANAGEMENT REGULATIONS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE WILL BE DEPOSITED IN THE DUMPSTER. THE DUMPSTER WILL BE EMPTED A MINIMUM OF ONCE PER WEEK OR MORE OFTEN IF NECESSARY AND TRASH WILL BE HAULED AS REQUIRED BY LOCAL REGULATIONS. NO CONSTRUCTION WASTE WILL BE BURIED ONSITE.
- ALL PERSONNEL WILL BE INSTRUCTED ON PROPER PROCEDURES FOR WASTE DISPOSAL. A NOTICE STATING THESE PRACTICES WILL BE POSTED AT THE JOB SITE AND THE CONTRACTOR WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.

28 SPILL PREVENTION & CONTROL

- PETROLEUM BASED PRODUCTS, INCLUDING FUELS, LUBRICANTS, TRANSFORMER OIL, TARS, ETC., KEPT ON SITE SHALL BE STORED IN TIGHTLY SEALED CONTAINERS THAT ARE CLEARLY LABELED. ALL ON-SITE VEHICLES SHALL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTATIVE MAINTENANCE. ASPHALT SUBSTANCES SHALL BE APPLIED AS LABELED. LOCAL, STATE, AND MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP SHALL BE KEPT IN THE MATERIAL STORAGE AREA ON-SITE. TYPICAL EQUIPMENT AND MATERIALS FOR CLEANUP INCLUDE GLOVES, GOGGLES, RAGS, RESPIRATORS, CAT LITTER, SAWDUST, AND PROPERLY LABELED PLASTIC AND METAL WASTE CONTAINERS. SPILL PREVENTION PRACTICES AND PROCEDURES WILL BE REVIEWED AFTER A SPILL AND ADJUSTED AS NECESSARY TO PREVENT FUTURE SPILLS. ALL SPILLS SHALL BE CLEANED UP IMMEDIATELY FOLLOWING DISCOVERY. ALL SPILLS WILL BE REPORTED AS REQUIRED BY LOCAL, STATE, AND FEDERAL REGULATIONS.
- FOR SPILLS THAT IMPACT SURFACE WATER (LEAVE A SHEET ON SURFACE WATER), THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-426-2675.
- FOR SPILLS OF AN UNKNOWN AMOUNT, THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-426-2675.
- FOR SPILLS GREATER THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE GEORGIA EPD WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-426-2675.
- FOR SPILLS LESS THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE SPILL WILL BE CLEANED UP AND LOCAL AGENCIES WILL BE CONTACTED AS REQUIRED.
- THE CONTRACTOR SHALL NOTIFY THE LICENSED PROFESSIONAL WHO PREPARED THIS PLAN IF MORE THAN 1,320 GALLONS OF PETROLEUM IS STORED ONSITE (THIS INCLUDES CAPACITIES OF EQUIPMENT) OR IF ANY ONE PIECE OF EQUIPMENT HAS A CAPACITY GREATER THAN 660 GALLONS. THE CONTRACTOR WILL NEED A SPILL PREVENTION CONTAINMENT AND COUNTERMEASURES PLAN PREPARED BY THAT LICENSED PROFESSIONAL.

HAZARDOUS WASTES

- ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL, STATE, AND/OR FEDERAL REGULATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER MANAGEMENT OF THIS WASTE. HE WILL ALSO BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED, WILL INSTRUCT SITE PERSONNEL IN THESE PRACTICES, MATERIAL SAFETY DATA SHEETS (MSDS'S) FOR EACH SUBSTANCE WITH HAZARDOUS PROPERTIES THAT IS USED ON THE JOB SITE WILL BE OBTAINED AND USED FOR THE PROPER MANAGEMENT OF PRODUCTS THAT MAY BE STORED ON-SITE. MSDS WILL BE POSTED IN THE IMMEDIATE AREA WHERE SUCH PRODUCT IS STORED AND/OR USED AND ANOTHER COPY OF EACH MSDS WILL BE MAINTAINED IN THE ESPC FILE AT THE JOB SITE CONSTRUCTION TRAILER OFFICE. EACH EMPLOYEE WHO MUST HANDLE A SUBSTANCE WITH HAZARDOUS PROPERTIES WILL BE INSTRUCTED ON THE USE OF MSDS SHEETS AND THE SPECIFIC INFORMATION IN THE APPLICABLE MSDS FOR THE PRODUCT HE/SHE IS USING, PARTICULARLY REGARDING SPILL CONTROL TECHNIQUES.
- THE CONTRACTOR WILL IMPLEMENT THE SPILL PREVENTION CONTROL AND COUNTERMEASURES (SPCC) PLAN FOUND WITHIN THE ESPC AND WILL TRAIN ALL PERSONNEL IN THE PROPER CLEANUP AND HANDLING OF SPILLED MATERIALS. MO SPILLED HAZARDOUS MATERIALS OR HAZARDOUS WASTES WILL BE ALLOWED TO COME IN CONTACT WITH STORMWATER DISCHARGES. IF SUCH CONTACT OCCURS, THE STORMWATER DISCHARGE WILL BE CONTAINED ON SITE UNTIL APPROPRIATE MEASURES IN COMPLIANCE WITH STATE AND FEDERAL REGULATIONS ARE TAKEN TO DISPOSE OF SUCH CONTAMINATED STORMWATER. IT SHALL BE THE RESPONSIBILITY OF THE JOB SITE SUPERINTENDENT TO PROPERLY TRAIN ALL PERSONNEL IN THE USE OF THE SPCC PLAN.

SANITARY WASTES

- A MINIMUM OF ONE PORTABLE SANITARY UNIT WILL BE PROVIDED FOR EVERY TEN (10) WORKERS ON THE SITE. ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS A MINIMUM OF ONE TIME PER WEEK BY A LICENSED PORTABLE FACILITY PROVIDER IN COMPLETE COMPLIANCE WITH LOCAL AND STATE REGULATIONS.
- ALL SANITARY WASTE UNITS WILL BE LOCATED IN AN AREA WHERE THE LIKELIHOOD OF THE UNIT CONTRIBUTING TO STORMWATER DISCHARGE IS NEGLIGIBLE. ADDITIONAL CONTAINMENT BMP'S MUST BE IMPLEMENTED, SUCH AS SHRIMP BAGS OR SPECIALLY DESIGNED PLASTIC SKID CONTAINERS AROUND THE BASE, TO PREVENT WASTES FROM CONTRIBUTING TO STORMWATER DISCHARGES. THE LOCATION OF SANITARY WASTE UNITS MUST BE IDENTIFIED ON THE EROSION CONTROL PLAN GRADING PHASE BY THE CONTRACTOR ONCE THE LOCATIONS HAVE BEEN DETERMINED.

PRODUCT SPECIFIC PRACTICES

- PETROLEUM BASED PRODUCTS - CONTAINERS FOR PRODUCTS SUCH AS FUELS, LUBRICANTS, AND TARS WILL BE INSPECTED DAILY FOR LEAKS AND SPILLS. THIS INCLUDES ON-SITE VEHICLE AND MACHINERY DAILY INSPECTIONS AND REGULAR PREVENTATIVE MAINTENANCE OF SUCH EQUIPMENT. EQUIPMENT MAINTENANCE AREAS WILL BE LOCATED AWAY FROM STATE WATER, NATURAL DRAINS AND STORMWATER DRAINAGE INLETS. IN ADDITION, TEMPORARY FUELING TANKS WILL HAVE A SECONDARY CONTAINMENT LINER TO PREVENT/MINIMIZE SITE CONTAMINATION. DISCHARGE OF OILS, FUELS, AND LUBRICANTS IS PROHIBITED. PROPER DISPOSAL METHODS WILL INCLUDE COLLECTION IN A SUITABLE CONTAINER AND DISPOSAL AS REQUIRED BY LOCAL AND STATE REGULATIONS.
- PAINTS/FINISHES/SOLVENTS - ALL PRODUCTS WILL BE STORED IN TIGHTLY SEALED ORIGINAL CONTAINERS WHEN NOT IN USE. EXCESS PRODUCT WILL NOT BE DISCHARGED TO THE STORMWATER COLLECTION SYSTEM. EXCESS PRODUCT, MATERIALS USED WITH THESE PRODUCTS AND PRODUCT CONTAINERS WILL BE DISPOSED OF ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.
- CONCRETE TRUCK WASHING - NO CONCRETE TRUCKS WILL BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ONSITE. TOOLS MAY BE WASHED INTO A WASHDOWN PIT. SAID PIT SHALL BE DUG INTO CLAY TYPE SOIL AND MUST BE LOCATED OUTSIDE OF ANY PROTECTIVE STREAM BUFFERS OR ENVIRONMENTALLY SENSITIVE AREAS. SEE EPD GUIDELINES FOR MORE SPECIFICS ON CONCRETE WASHOUT PROCEDURES.
- FERTILIZER/HERBICIDES - THESE PRODUCTS WILL BE APPLIED AT RATES THAT DO NOT EXCEED THE MANUFACTURER'S SPECIFICATIONS OR ABOVE THE GUIDELINES SET FORTH IN THE CROP ESTABLISHMENT OR IN THE GSWCC MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA. ANY STORAGE OF THESE MATERIALS WILL BE UNDER ROOF IN SEALED CONTAINERS.
- CONCRETE 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. ONLY THE DISCHARGE CHUTE UTILIZED IN PORTLAND CEMENT CONCRETE DELIVERY MAY BE RINSED OF FRESH CONCRETE REMAINS. NEVER DISPOSE OF WASH-DOWN WATER DOWN A STORM DRAIN. THE PROJECT SITE DOES NOT PROVIDE ACCESS TO A LOCATION WHICH ALLOWS FOR A WASH-DOWN PIT. THE CONTRACTOR SHALL WASH-DOWN INTO A WHEELBARROW, STEEL DRUM, OR OTHER CONTAINER FOR TRANSPORT 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".

EROSION CONTROL CERTIFICATION

(1) "I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES REQUIRED BY THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENT "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" (MANUAL) PUBLISHED BY GEORGIA SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH LAND DISTURBING ACTIVITY WAS PERMITTED.

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

LUCK WATFORD, P.E., CERTIFICATION #06876, EXPIRES 03/01/2020 DESIGN PROFESSIONAL

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST
INFRASTRUCTURE CONSTRUCTION PROJECTS

SWCD: Fulton County SWCD

Project Name: Spring Street Bike and Pedestrian Improvements Address: 72 Marietta Street NW, Atlanta, GA 30303

City/County: Atlanta/Fulton Date on Plans: November 23, 2022

Name & email of person filling out checklist: Luck Watford - luck.watford@r2tinc.com

Plan Included

Page # Y/N

51-0002 Y

50-54 Series Y

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51-0001 Y

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50-54 Series Y

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COVER Y

51-0001 Y

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N/A

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N/A

51-0001 Y

N/A

GSWCC CHECKLIST ITEM

- TO BE SHOWN ON ES&PC PLAN**
- The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of January 1 of the year in which the land-disturbing activity was permitted. (The completed Checklist must be submitted with the ES&PC Plan or the Plan will not be reviewed)
 - Level II certification number issued by the Commission, signature and seal of the certified design professional. (Signature, seal and level II number must be on each sheet pertaining to ES&PC Plan or the Plan will not be reviewed)
 - The name and phone number of the 24-hour contact responsible for erosion, sedimentation and pollution controls.
 - Provide the name, address, email address, and phone number of primary permittee.
 - Note total and disturbed acreages of the project or phase under construction.
 - Provide the GPS locations of the beginning and end of the Infrastructure project. Give the Latitude and Longitude in decimal degrees.
 - Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.
 - Descriptions of the nature of construction activity and existing site conditions.
 - Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.
 - Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected.
 - Design professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as stated on Part IV page 21 of the permit.
 - Design professional's certification statement and signature that the permittee's ES&PC Plan provides for an appropriate and comprehensive system of BMPs and sampling to meet permit requirements as stated on Part IV page 20 of the permit.*
 - Design professional certification statement and signature that the permittee's ES&PC Plan provides for representative sampling as stated on Part IV.D.6.c.(3) page 37 of the permit as applicable.*
 - Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect the installation of the initial sediment storage requirements, perimeter control BMPs, and sediment basins within 7 days after installation." in accordance with Part IV.A.5 page 26 of the permit.*
 - Clearly note the statement that "Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream buffers as measured from the point of wooded 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."
 - Provide a description of any buffer encroachments and indicate whether a buffer variance is required.
 - Clearly note the statement that "Amendments/revisions to the ES&PC Plan which have a significant effect on BMPs with a hydraulic component must be certified by the design professional.*"
 - Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as authorized by a Section 404 permit.*"
 - Clearly note statement that "The escape of sediment from the site shall be prevented by the installation of erosion and sediment control measures and practices prior to land disturbing activities."
 - Clearly note statement that "Erosion control measures will be maintained at all times. If full implementation of the approved Plan does not provide for effective erosion control, additional erosion and sediment control measures shall be implemented to control or treat the sediment source."
 - Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding."
 - Any construction activity which discharges storm water into an Impaired Stream Segment, or within 1 linear mile upstream of and within the same watershed as, any portion of a Biota Impaired Stream Segment must comply with Part III. C. of the permit. Include the completed Appendix 1 listing all the BMPs that will be used for those areas of the site which discharge to the Impaired Stream Segment.*
 - If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segment (identified in item 22 above) at least six months prior to submittal of NOI, the ES&PC Plan must address any site-specific conditions or requirements included in the TMDL Implementation Plan.*
 - BMPs for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Washout of the drum at the construction site is prohibited.*
 - Provide BMPs for the remediation of all petroleum spills and leaks.
 - Description of the measures that will be installed during the construction process to control pollutants in storm water that will occur after construction operations have been completed.*
 - Description of practices to provide cover for building materials and building products on site.*
 - Description of the practices that will be used to reduce the pollutants in storm water discharges.*
 - Description and chart or timeline of the intended sequence of major activities which disturb soils for the major portions of the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, utility activities, temporary and final stabilization).
 - Provide complete requirements of inspections and record keeping by the primary permittee.*

N/A
N/A
N/A
N/A

54 SERIES Y

53-54 SERIES Y

53-54 SERIES Y

N/A

N/A

N/A

53-0001 Y

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54 SERIES Y

56 SERIES Y

56 SERIES Y

- Provide complete requirements of Sampling Frequency and Reporting of sampling results.*
 - Provide complete details for Retention of Records as per Part IV.F. of the permit.*
 - Description of analytical methods to be used to collect and analyze the samples from each location.*
 - Appendix B rationale for NTU values at all outfall sampling points where applicable.*
 - Delineate all sampling locations, perennial and intermittent streams and other water bodies into which storm water is discharged also provide a summary chart of the justification and analysis for the representative sampling as applicable.*
 - A description of appropriate controls and measures that will be implemented at the construction site including: (1) initial sediment storage requirements and perimeter control BMPs, (2) intermediate grading and drainage BMPs, and (3) final BMPs. For construction sites where there will be no mass grading and the initial perimeter control BMPs, intermediate grading and drainage BMPs, and final BMPs are the same, the Plan may combine all of the BMPs into a single phase.*
 - Graphic scale and North arrow.
 - Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following:

Existing Contours	USGS 1" : 2000' Topographical Sheets
Proposed Contours	1" : 400' Centerline Profile
 - Use of alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as certified by a Design Professional (unless disapproved by GAEPD or the Georgia Soil and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document found at www.gaswcc.georgia.gov.
 - Use of alternative BMP for application to the Equivalent BMP List. Please refer to Appendix A-2 of the Manual for Erosion & Sediment Control in Georgia 2016 Edition.*
 - Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to State waters and any additional buffers required by the Local Issuing Authority. Clearly note and delineate all areas of impact.
 - Delineation of on-site wetlands and all State waters located on and within 200 feet of the project site.
 - Delineation and acreage of contributing drainage basins on the project site.
 - Delineate on-site drainage and off-site watersheds using USGS 1" : 2000' topographical sheets.
 - An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed.
 - Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points.
 - Soil series for the project site and their delineation.
 - The limits of disturbance for each phase of construction.
 - Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin, retrofitted detention pond, and/or excavated inlet sediment traps for each common drainage location. Sediment storage volume must be in place prior to and during all land disturbance activities until final stabilization of the site has been achieved. A written justification explaining the decision to use equivalent controls when a sediment basin is not attainable must be included in the Plan for each common drainage location in which a sediment basin is not provided. A written justification as to why 67 cubic yards of storage is not attainable must also be given. Worksheets from the Manual must be included for structural BMPs and all calculations used by the design professional to obtain the required sediment storage when using equivalent controls. When discharging from sediment basins and impoundments, permittees are required to utilize outlet structures that withdraw water from the surface, unless infeasible. If outlet structures that withdraw water from the surface are not feasible, a written justification explaining this decision must be included in the Plan.
 - Location of Best Management Practices that are consistent with and no less stringent than the Manual for Erosion and Sediment Control in Georgia. Use uniform coding symbols from the Manual, Chapter 6, with legend.
 - Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines set forth in the Manual for Erosion and Sediment Control in Georgia.
 - Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of year that seeding will take place and for the appropriate geographic region of Georgia.
- * If using this checklist for a project that is less than 1 acre and not part of a common development but within 200 ft of a perennial stream, the * checklist items would be N/A.

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PROJECT DESCRIPTION:
 THIS PROJECT IS A STREETScape RENOVATION PROJECT WITH MILLING AND OVERLAY FOR EXISTING ROADWAY SURFACES, AND SIDEWALK AND STORMWATER PLANTERS FOR ADJACENT ROADWAY IMPROVEMENTS.

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ADDITIONAL INFORMATION:
 1. THIS LINEAR PROJECT BEGINS AT N33.791467, W84.389215, AND ENDS AT N33.797180, W84.389008.

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OTHER CONTROLS:
 1. FOR BUILDING MATERIALS, BUILDING PRODUCTS, CONSTRUCTION WASTES, TRASH, LANDSCAPE MATERIALS, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, SANITARY WASTE AND OTHER MATERIALS PRESENT ON THE SITE, PROVIDE COVER (E.G. PLASTIC SHEETING, TEMPORARY ROOFS) TO MINIMIZE THE EXPOSURE OF THESE PRODUCTS TO PRECIPITATION AND TO STORMWATER, OR A SIMILARLY EFFECTIVE MEANS DESIGNED TO MINIMIZE THE DISCHARGE OF POLLUTANTS FROM THESE AREAS. 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 A SPECIFIC MATERIAL OR PRODUCT POSES LITTLE RISK TO STORMWATER CONTAMINATION (SUCH AS FINAL PRODUCTS AND MATERIALS INTENDED FOR OUTDOOR USE).

24 HOUR CONTACT:

24 HOUR CONTACT NAME
 24 HOUR CONTACT PHONE

PRIMARY PERMITTEE:

MIDTOWN ALLIANCE
 CLADIE A. WASHBURN
 999 PEACHTREE STREET
 STE. 730
 ATLANTA, GA 30309
 404-809-2125
 CLADIE@MIDTOWNATL.COM

GSWCC GEORGIA SOIL AND WATER CONSERVATION COMMISSION

2 Luck Watford
 Level II Certified Design Professional

CERTIFICATION NUMBER: 0000060876
 ISSUED: 03/01/2020 EXPIRES: 03/01/2023

Effective January 1, 2022



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 6/30/2022
 c 2022 R2T INC.



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 Atlanta, GA 30308

REVISION DATES		

7

ESPCP GENERAL NOTES
 Spring Street Bike and Pedestrian Improvements

CHECKED:	DATE:	DRAWING No. 51-0002
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	

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 	
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 	
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 	
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 	

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 	
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 	
F1-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 	
		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:

- DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
- 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".



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REVISION DATES

EROSION CONTROL LEGEND
Spring Street Bike and
Pedestrian Improvements

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	52-0001
CORRECTED:	DATE:	
VERIFIED:	DATE:	

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ss	SLOPE STABILIZATION CONSTRUCTION DETAIL D-35 SECTION 716		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.
		PATTERN 	
Tac	TACKIFIERS SECTION 163, 700, 895		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.
		SYMBOL 	
Cd-F	FABRIC CHECK DAM CONSTRUCTION DETAIL D-24D SECTION 171		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.
		SYMBOL 	
Cd-Fs	COMPOST FILTER SOCK CHECK DAM CONSTRUCTION DETAIL D-52 SECTION 163		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.
		SYMBOL 	
Cd-Hb	BALED STRAW CHECK DAM CONSTRUCTION DETAIL D-52 SECTION 163		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.
		SYMBOL 	

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Cd-S	STONE CHECK DAM OR SANDBAG CHECK DAM GA. STD 1031 SECTION 163, 603		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.
		SYMBOL 	
Ch-1	VEGETATED CHANNEL STABILIZATION SECTION 700		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.
		LINE CODE 	
Ch-2R1	CHANNEL STABILIZATION RIP-RAP, TYPE 1 CONSTRUCTION DETAIL D-49 SECTION 603		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.
		LINE CODE 	
Ch-2R3	CHANNEL STABILIZATION RIP-RAP, TYPE 3 CONSTRUCTION DETAIL D-49 SECTION 603		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.
		LINE CODE 	

NOTE:

- DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
- 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".



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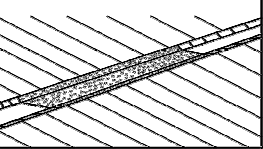
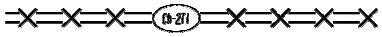
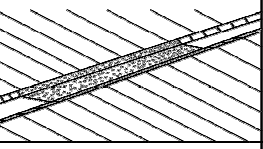
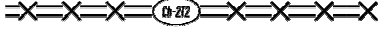
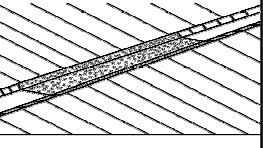

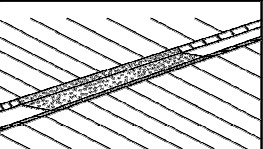
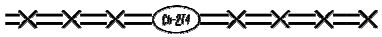
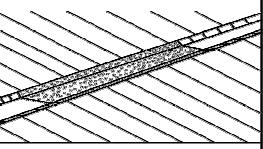
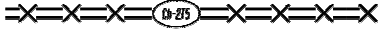
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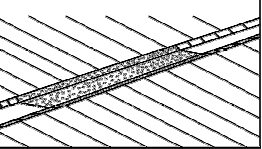
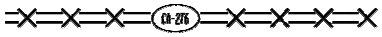
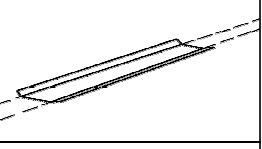

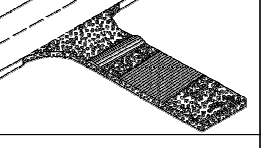

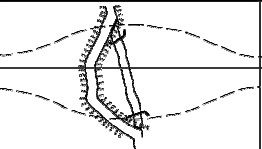

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REVISION DATES

EROSION CONTROL LEGEND
Spring Street Bike and
Pedestrian Improvements

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CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ch-2T1	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711		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.
		LINE CODE 	"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		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.
		LINE CODE 	"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		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.
		LINE CODE 	"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		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.
		LINE CODE 	"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		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.
		LINE CODE 	"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		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.
		LINE CODE 	"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		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.
	LINE CODE 	"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		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.
	SYMBOL 	ALL CONSTRUCTION EXIT REQUIREMENTS ARE INCLUDED IN THE PRICE OF THE CONSTRUCTION EXIT.	
Dc-A	STREAM DIVERSION CHANNEL GEOTEXTILE, POLYETHYLENE FILM SECTION 163		A TEMPORARY CHANNEL CONSTRUCTED TO CONVEY FLOW AROUND A CONSTRUCTION SITE WHILE A PERMANENT DRAINAGE STRUCTURE IS BEING CONSTRUCTED IN A NATURAL STREAM. THIS IS A MEASURE USED TO PROTECT STREAM BEDS FROM EROSION. LINE THE CHANNEL WITH GEOTEXTILE OR POLYETHYLENE FILM. INSTALL TWO ROWS OF Sd1-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.
	LINE CODE 	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:

- DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
- 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".



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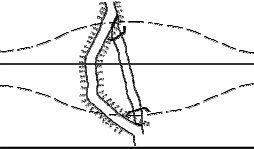
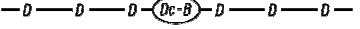
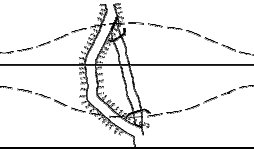
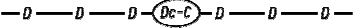
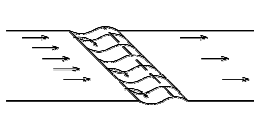
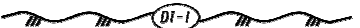
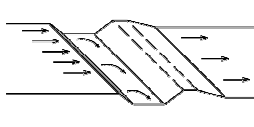
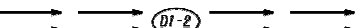


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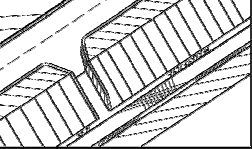

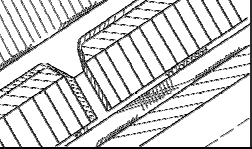

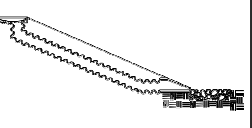
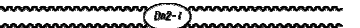

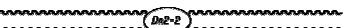
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REVISION DATES

EROSION CONTROL LEGEND
Spring Street Bike and
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CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Dc-B	STREAM DIVERSION CHANNEL GEOTEXTILE ONLY SECTION 163		A TEMPORARY CHANNEL CONSTRUCTED TO CONVEY FLOW AROUND A CONSTRUCTION SITE WHILE A PERMANENT DRAINAGE STRUCTURE IS BEING CONSTRUCTED IN A NATURAL STREAM. THIS IS A MEASURE USED TO PROTECT STREAM BEDS FROM EROSION. LINE THE CHANNEL WITH GEOTEXTILE ONLY. INSTALL TWO ROWS OF Sd1-S PARALLEL TO THE CHANNEL TO PREVENT SEDIMENT LADEN RUNOFF FROM ENTERING THE STREAM. THE SIZE OF THE CHANNEL WILL DEPEND ON THE DISCHARGE, CHANNEL GEOMETRY, CHANNEL SLOPE AND ROUGHNESS. IT IS ACCEPTABLE FOR VELOCITIES BETWEEN 2.5 - 9.0 fps. THE DRAINAGE AREA SHALL BE NOT GREATER THAN 1 SQUARE MILE. CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE.
	LINE CODE 		
Dc-C	STREAM DIVERSION CHANNEL RIP-RAP & GEOTEXTILE SECTION 163		A TEMPORARY CHANNEL CONSTRUCTED TO CONVEY FLOW AROUND A CONSTRUCTION SITE WHILE A PERMANENT DRAINAGE STRUCTURE IS BEING CONSTRUCTED IN A NATURAL STREAM. THIS IS A MEASURE USED TO PROTECT STREAM BEDS FROM EROSION. LINE THE CHANNEL WITH RIP-RAP AND GEOTEXTILE. INSTALL TWO ROWS OF Sd1-S PARALLEL TO THE CHANNEL TO PREVENT SEDIMENT LADEN RUNOFF FROM ENTERING THE STREAM. THE SIZE OF THE CHANNEL WILL DEPEND ON THE DISCHARGE, CHANNEL GEOMETRY, CHANNEL SLOPE AND ROUGHNESS. IT IS ACCEPTABLE FOR VELOCITIES BETWEEN 9.0 - 13.0 fps. THE DRAINAGE AREA SHALL BE NOT GREATER THAN 1 SQUARE MILE. CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE.
	LINE CODE 		
DI-1	DIVERSION BERM CONSTRUCTION DETAIL D-47 SECTION 205		A NON-DESIGNED TEMPORARY EARTHEN BERM WITH A COMPACTED SUPPORTING RIDGE ON THE LOWER SIDE TO BE USED AT THE EDGE OF EMBANKMENT DURING THE GRADING OPERATION. THE BERMS ARE ALSO CONSTRUCTED ABOVE, ACROSS OR BELOW A SLOPE TO REDUCE THE LENGTH OF A SLOPE. THEY ARE USED TO INTERCEPT RUNOFF, PREVENTING SLOPE EROSION AND TO DIRECT THE RUNOFF TO A STABLE OUTLET, DOWN DRAINS "Dn1" OR CATCHMENT AREAS AND ON ALL GRADING PROJECTS.
	LINE CODE 		
DI-2	DIVERSION CHANNEL SECTION 205		A DESIGNED TEMPORARY OR PERMANENT CHANNEL WITH A COMPACTED SUPPORTING RIDGE ON THE LOWER SIDE TO DIVERT OFFSITE RUNOFF AWAY FROM DISTURBED AREAS WITHIN THE PROJECT AREA. CHANNEL FOR OFFSITE RUNOFF SHALL BE STABILIZED WITH APPROPRIATE CHANNEL STABILIZATION. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA. A DIVERSION CHANNEL DETAIL MUST ALSO BE PROVIDED IN THE ESPP. RUNOFF FROM DISTURBED AREAS WITHIN THE PROJECT AREA SHALL NOT BE ALLOWED TO CONVERGE WITH OFFSITE RUNOFF WITHIN THIS DIVERSION.
	LINE CODE 		
Dn1	TEMPORARY DOWNDRAIN STRUCTURE FLEXIBLE CONSTRUCTION DETAIL D-19 SECTION 163		A TEMPORARY PIPE SLOPE DRAIN IS A PLASTIC FLEXIBLE PIPE TO CARRY WATER FROM THE WORK AREA TO A LOWER ELEVATION. TEMPORARY SLOPE DRAINS SHOULD BE PLACED AT INTERVALS OF 350 FEET ON 0% - 2% GRADES, 200 FEET ON STEEPER GRADES AND MORE FREQUENTLY AS DICTATED BY FIELD CONDITIONS. THE TYPICAL PIPE SIZE IS A CORRUGATED 10". THE PIPE WILL BE ANCHORED WITH STAKES AT INTERVALS NOT TO EXCEED 10'. THE OUTLET AREA SHALL BE STABILIZED FOR VELOCITY DISSIPATION AND EROSION CONTROL.
	LINE CODE 		

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Dn2-A	PERMANENT DOWNDRAIN STRUCTURE CONCRETE CONSTRUCTION DETAIL D-9 SECTION 441		A CONCRETE FLUME TYPE "A" IS USED TO DIRECT SURFACE RUNOFF DOWN A ROADWAY SLOPE INTO ANOTHER FORM OF CONTROL. IT IS USED IN ALL DEPRESSED AREAS WHERE WATER WILL FLOW DOWN THE SLOPE. IT IS DESIGNED FOR A 25-YEAR STORM AND MUST HAVE SOME FORM OF OUTLET PROTECTION. ADDITIONAL LABELING IS NOT REQUIRED IF SHOWN AS A PERMANENT DRAINAGE STRUCTURE ON THE CONSTRUCTION PLANS. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OTHER CRITERIA).
	LINE CODE 		
Dn2-B	PERMANENT DOWNDRAIN STRUCTURE CONCRETE CONSTRUCTION DETAIL D-9 SECTION 441		A CONCRETE FLUME TYPE "B" IS USED TO DIRECT SURFACE DITCH RUNOFF DOWN A BACK SLOPE INTO ANOTHER FORM OF CONTROL. IT IS USED IN DEPRESSED AREAS WHERE CONCENTRATED OFFSITE WATER REACHES THE CUT SLOPE. IT IS DESIGNED FOR A 25-YEAR STORM AND MUST HAVE SOME FORM OF OUTLET PROTECTION. ADDITIONAL LABELING IS NOT REQUIRED IF SHOWN AS A PERMANENT DRAINAGE STRUCTURE ON THE CONSTRUCTION PLANS. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OR OTHER CRITERIA).
	LINE CODE 		
Dn2-1	PERMANENT DOWNDRAIN STRUCTURE GA. STD 9013 TPI, 9017J TPI, DETAIL D-26 TPI SECTION 576, 577		CONCRETE DRAIN INLET WITH METAL PIPE IS USED TO DRAIN CURBS, ON A GRADE, DOWN TO A LOWER ELEVATION. THIS IS A PERMANENT STRUCTURE, REQUIRING OUTLET PROTECTION, TEMPORARY AND PERMANENT. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OR OTHER CRITERIA).
	LINE CODE 		
Dn2-2	PERMANENT DOWNDRAIN STRUCTURE GA. STD 9013 TP2, 9017J TP2, DETAIL D-26 TP2 SECTION 576, 577		CONCRETE DRAIN INLET AND METAL PIPE IS USED TO DRAIN CURB, IN A SAG, DOWN TO A LOWER ELEVATION. THIS IS A PERMANENT STRUCTURE, REQUIRING OUTLET PROTECTION, TEMPORARY AND PERMANENT. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OR OTHER CRITERIA).
	LINE CODE 		

NOTE:

- DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
- 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".



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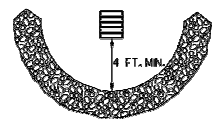

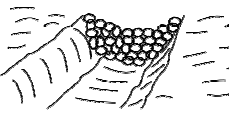

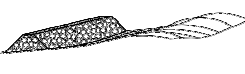



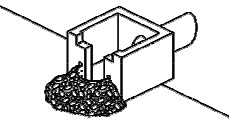

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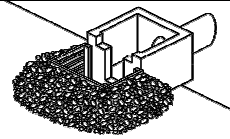



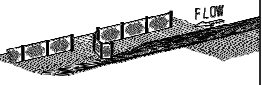

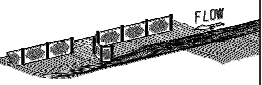

REVISION DATES

NO.	DATE	DESCRIPTION

EROSION CONTROL LEGEND
Spring Street Bike and
Pedestrian Improvements

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CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Fr	FILTER RING CONSTRUCTION DETAIL D-46 SECTION 163		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.
	SYMBOL 		
Rd	ROCK FILTER DAM CONSTRUCTION DETAIL D-43 SECTION 163, 603		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.
	SYMBOL 		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		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.
	LINE CODE 		
Rp	RIP-RAP SECTION 603		RIP-RAP IS A FLEXIBLE PERMANENT BLANKET FOR PROTECTION OF FILL SLOPES AND BRIDGE END ROLLS. RIP-RAP TYPE-1 SHOULD BE PLACED ON TOP OF A GEOTEXTILE UNDERLINER AT A MINIMUM 24" THICKNESS OR AS INDICATED ON THE PLANS. RIP-RAP MAY ALSO BE USED AT DRAINAGE STRUCTURE OUTLETS WITHIN THE RIGHT-OF-WAY. HOWEVER, APPROPRIATE OUTLET PROTECTION SHOULD BE PROVIDED AT OUTFALLS. REFER TO STORM DRAIN OUTLET PROTECTION FOR ADDITIONAL INFORMATION ON USING RIP-RAP AT OUTFALLS.
	PATTERN 		
Rt-P	RETROFITTING PERFORATED HALF-ROUND PIPE CONSTRUCTION DETAIL D-44 SECTION 163		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.
	SYMBOL 		

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Rt-B	RETROFITTING SLOTTED BOARD DAM CONSTRUCTION DETAIL D-45 SECTION 163		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.
	SYMBOL 		
Rt-Sg1	RETROFITTING SILT CONTROL GATES CONSTRUCTION DETAIL D-20 SECTION 163		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
Rt-Sg2			
Rt-Sg3			
SYMBOL 			
SdI-NS	SEDIMENT BARRIER (NON-SENSITIVE) SILT FENCE TYPE A CONSTRUCTION DETAIL D-24 SECTION 171		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.
	LINE CODE 		
SdI-S	SEDIMENT BARRIER (SENSITIVE) SILT FENCE TYPE C CONSTRUCTION DETAIL D-24 SECTION 171		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.
	LINE CODE 		

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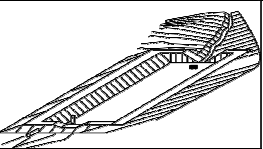
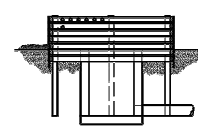
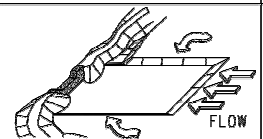

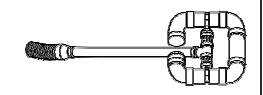
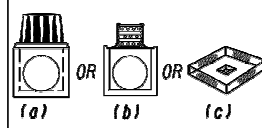
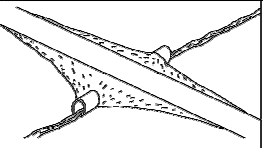

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Sd1-BB	SEDIMENT BARRIER BRUSH BARRIER CONSTRUCTION DETAIL D-24B SECTION 201		THIS ITEM CONSISTS OF INTERMINGLED BRUSH, LOGS, ETC. SO AS NOT TO FORM A SOLID DAM. CONSTRUCTED AT THE TOE OF FILL SLOPES ONLY DURING THE CLEARING AND GRUBBING OPERATION. THE BARRIER SHOULD BE USED AT THE TOE OF FILL SLOPES ON GRADING PROJECTS IN RURAL AREAS WHERE SUFFICIENT RIGHT OF WAY OR EASEMENT IS AVAILABLE (10 FEET OR MORE). THE BARRIER SHOULD RUN ROUGHLY PERPENDICULAR TO THE FLOW OF WATER WHERE THIS DOES NOT CONFLICT WITH RIGHT-OF-WAY OR EASEMENT LIMITS. THEY WILL NOT BE PLACED IN WETLANDS. TYPICALLY NOT SHOWN ON PLANS. PAYMENT FOR THIS ITEM IS INCLUDED IN THE CLEARING AND GRUBBING COST. NO SEPARATE PAYMENT SHALL BE MADE.	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.
	LINE CODE * * * Sd1-BB * * *					SYMBOL Sd3	
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.	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 Sd2-B					SYMBOL Sd4-C	
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 OVER-FLOW 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.	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 Sd2-Bg					SYMBOL Sk	
Sd2-F	INLET SEDIMENT TRAP (FILTER FABRIC) CONSTRUCTION DETAIL D-42 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.	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 Sd2-F					SYMBOL Sr	
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						

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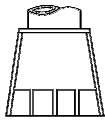

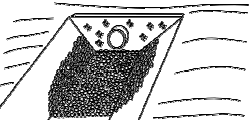

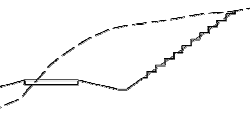

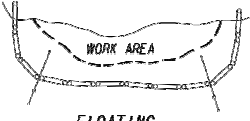

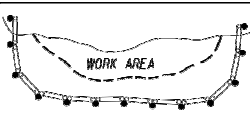
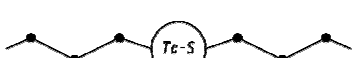
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St	STORM DRAIN OUTLET PROTECTION GA. STD. 1125 & 2332		A PIPE OR BOX CULVERT OUTLET HEADWALL WITH AN APRON AND DISSIPATOR BLOCKS IS USED TO REDUCE VELOCITY AT THE OUTLET OF A PIPE PRIOR TO ENTERING AN EXISTING STREAM OR PUBLICLY MAINTAINED DRAINAGE 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.
	SYMBOL 		
St-Rp	STORM DRAIN OUTLET PROTECTION (RIP-RAP) CONSTRUCTION DETAIL D-55 SECTION 603		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.
	PATTERN 		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		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.
	LINE CODE 		
Tc-F	TURBIDITY CURTAIN FLOATING CONSTRUCTION DETAIL D-51 SECTION 170		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.
	LINE CODE 		
Tc-S	TURBIDITY CURTAIN STAKED CONSTRUCTION DETAIL D-51 SECTION 170		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.
	LINE CODE 		

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION

NOTE:

- DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
- 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".



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Suite 101
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GEORGIA COA
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LICENSE NO. PEF004853
EXPIRATION DATE:
6/30/2022
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Kimley»Horn

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

REVISION DATES

EROSION CONTROL LEGEND
Spring Street Bike and
Pedestrian Improvements

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	52-0007
CORRECTED:	DATE:	
VERIFIED:	DATE:	

43 DRAINAGE AREA: 3.75 AC
DISTURBED AREA: 0.4 AC

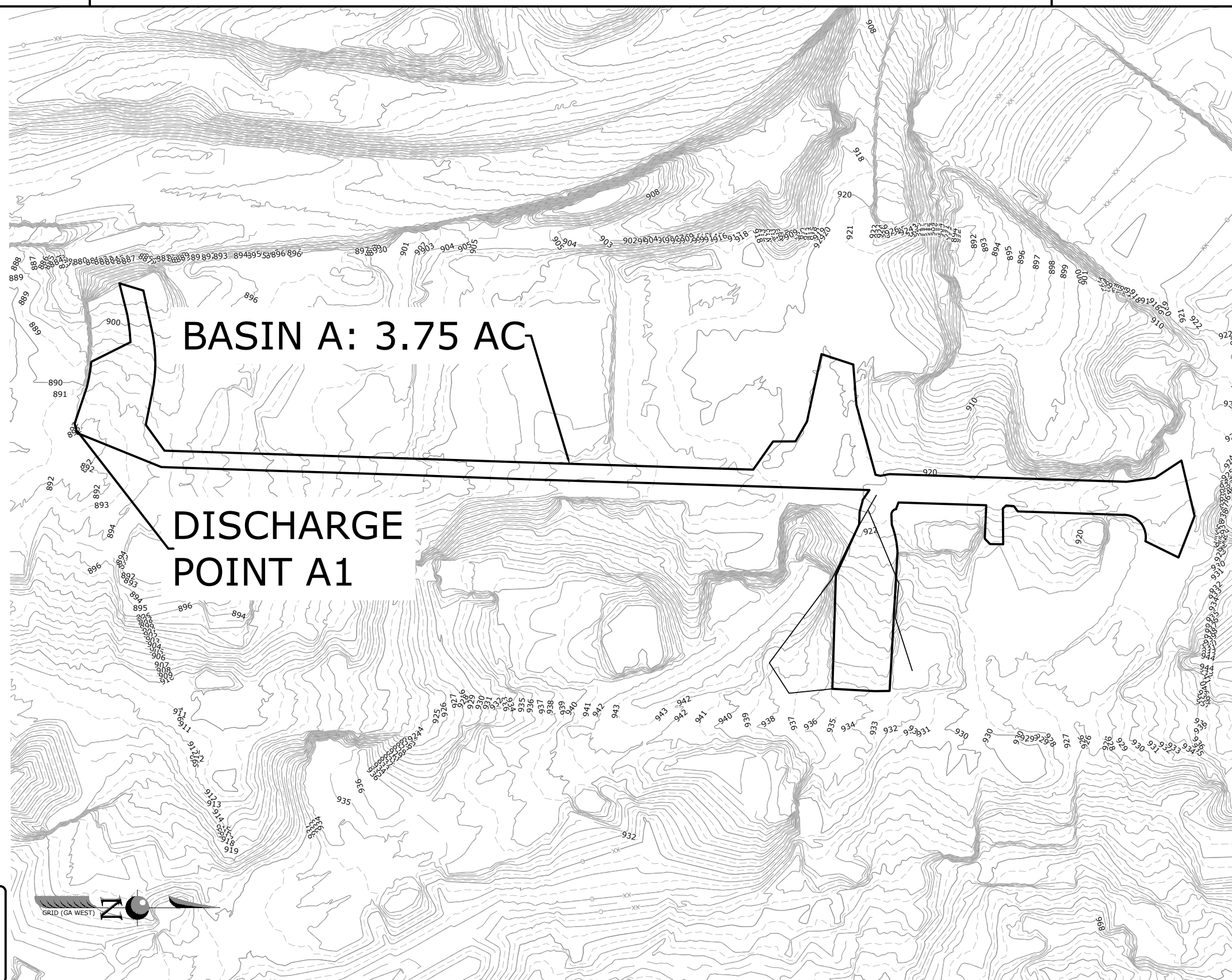
46 SEE HYDROLOGY REPORT FOR STORM DRAIN PIPE AND WEIR VELOCITIES. ALL STORM WATER DISCHARGES DRAIN TO CITY OF ATLANTA STORMWATER NETWORK.

45

Return Period [yr]	A1 Predevelopment Peak Discharge Flow [cfs]	A1 Post Development Peak Discharge Flow [cfs]
2	17.36	17.12
5	21.56	21.36
10	24.99	24.81
25	29.84	29.68
50	33.71	33.57
100	37.84	37.71

GSWCC CHECKLIST ITEM # (CHECKLIST ON SHEET 51-0002)

49 THE PROJECT DISTURBED AREA IS LESS THAN 1 ACRE, THEREFORE SEDIMENT STORAGE CALCULATIONS DO NOT APPLY.



24 HOUR CONTACT

GSWCC Georgia Soil and Water Conservation Commission

Luck Watford
Level II Certified Design Professional

CERTIFICATION NUMBER: 0000050876
ISSUED: 03/01/2020 EXPIRES: 03/01/2023

EROSION LEGEND

ORANGE BARRIER FENCE	
LIMITS OF DISTURBANCE	
SILT FENCE - SENSITIVE	
PROPOSED SITE DEMOLITION	

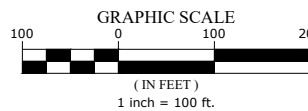


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REVISION DATES		DRAINAGE MAP	
		Spring Street Bike and Pedestrian Improvements	
CHECKED:	DATE:	CHECKED:	DRAWING No.
BACKCHECKED:	DATE:	CORRECTED:	53-0001
CORRECTED:	DATE:	VERIFIED:	DATE:

GSWCC GEORGIA SOIL AND WATER CONSERVATION COMMISSION

② **Luck Watford**
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CERTIFICATION NUMBER 000060876
ISSUED: 03/01/2020 EXPIRES: 03/01/2023

N/F
CENTER FOR PUPPETRY ARTS INC
TAX ID No. 17 010800010665
DB 24585 PG 91
DB 14583 PG 332

N/F
MIDTOWN HEIGHTS LLC
TAX ID No. 17 010800010582
DB 31070 PG 94
REF PB 217 PG 109

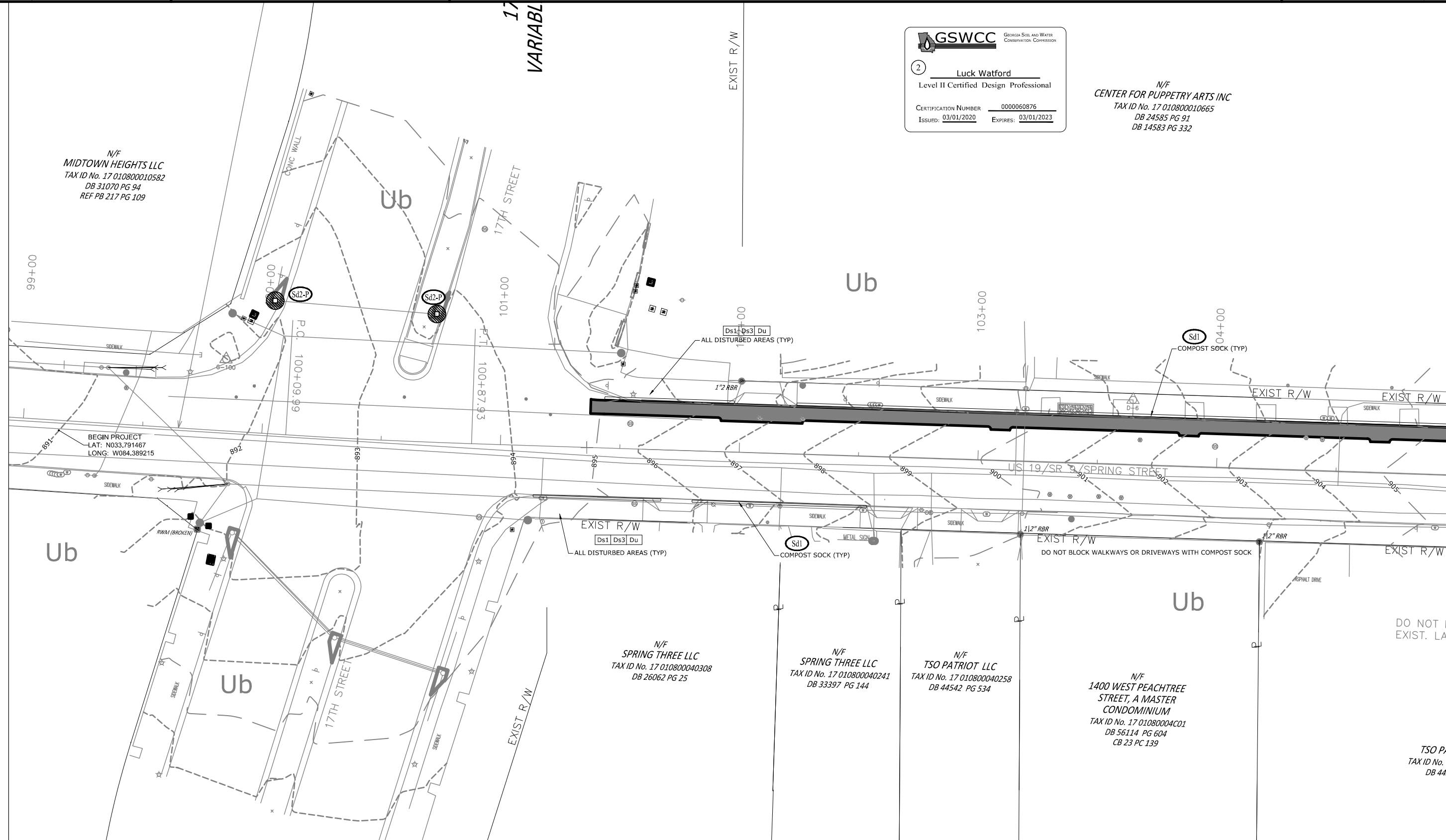
N/F
SPRING THREE LLC
TAX ID No. 17 010800040308
DB 26062 PG 25

N/F
SPRING THREE LLC
TAX ID No. 17 010800040241
DB 33397 PG 144

N/F
TSO PATRIOT LLC
TAX ID No. 17 010800040258
DB 44542 PG 534

N/F
1400 WEST PEACHTREE STREET, A MASTER CONDOMINIUM
TAX ID No. 17 01080004001
DB 56114 PG 604
CB 23 PC 139

TSO PA
TAX ID No.
DB 44



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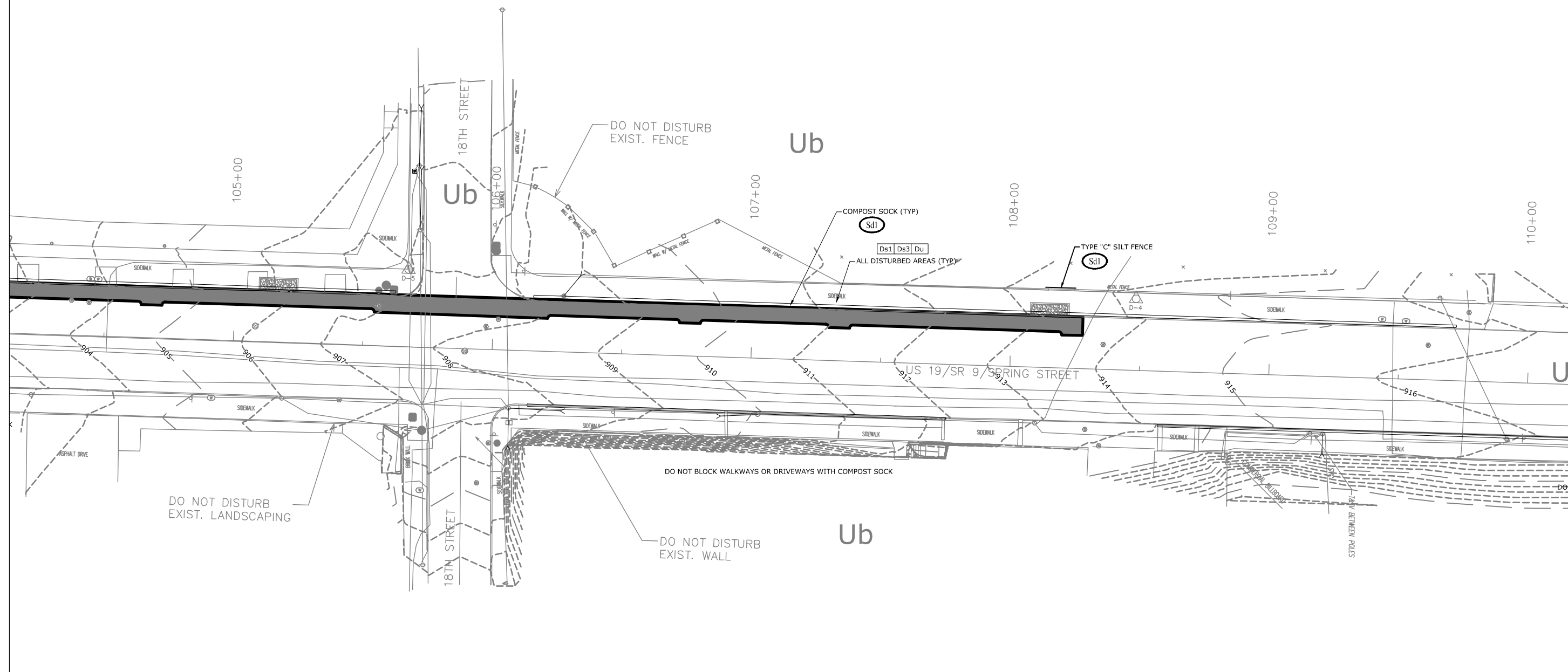
INITIAL BMP LOCATION PLAN
Spring Street Bike and Pedestrian Improvements

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BACKCHECKED:	DATE:	54-0001
CORRECTED:	DATE:	
VERIFIED:	DATE:	

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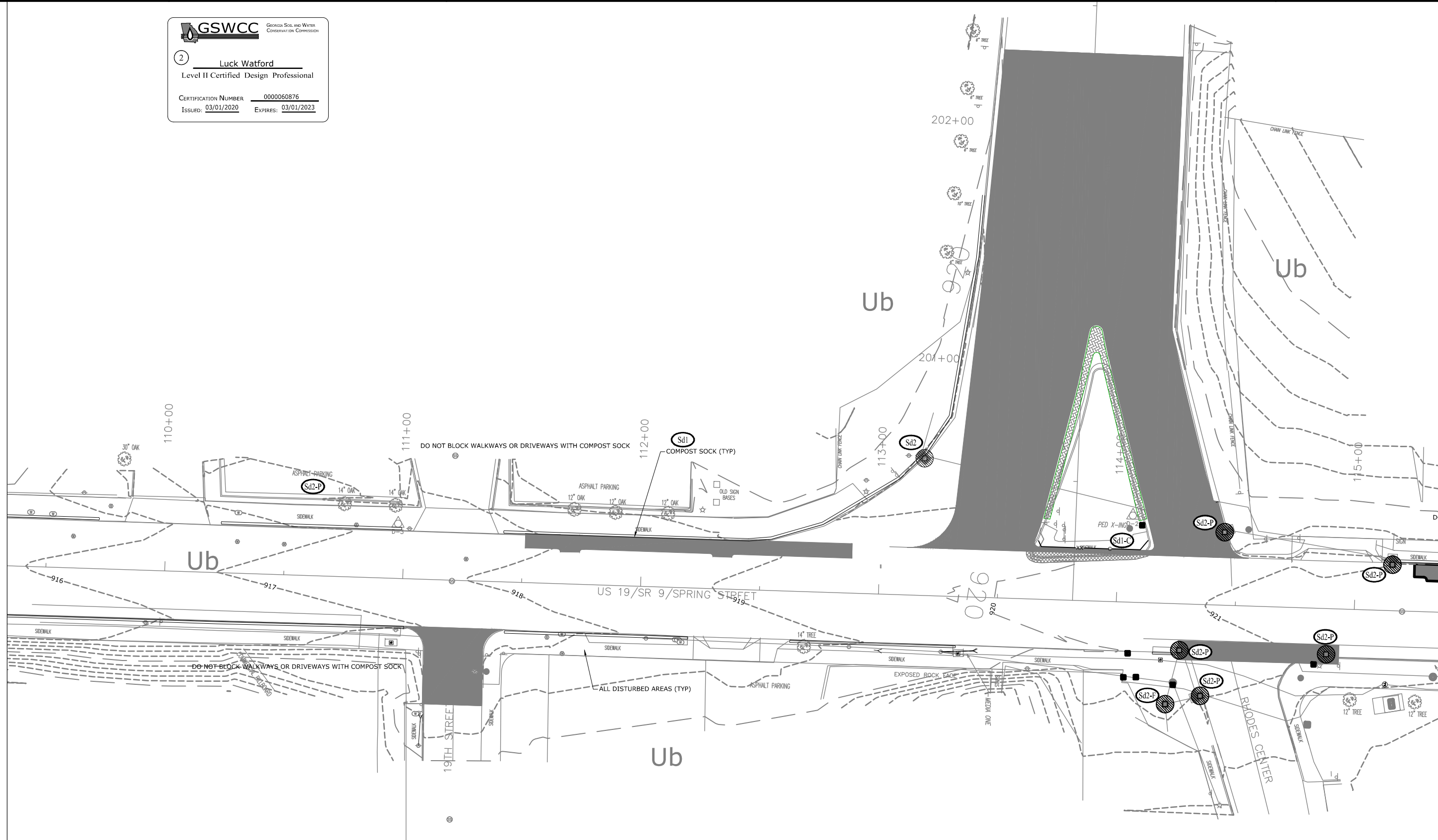


REVISION DATES		

INITIAL BMP LOCATION PLAN
Spring Street Bike and
Pedestrian Improvements

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	54-0002
CORRECTED:	DATE:	
VERIFIED:	DATE:	

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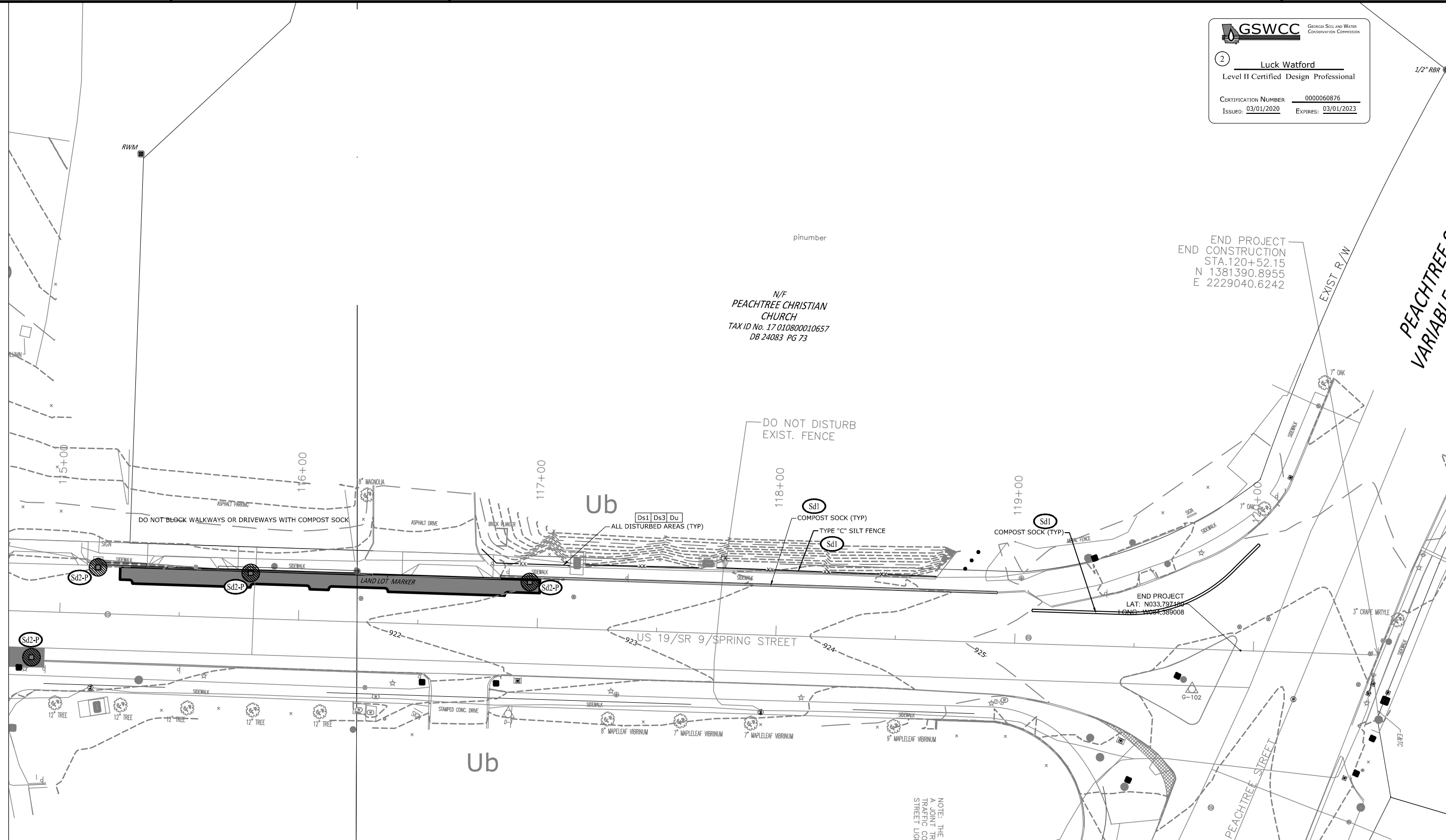
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INITIAL BMP LOCATION PLAN
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BACKCHECKED:	DATE:	54-0004
CORRECTED:	DATE:	
VERIFIED:	DATE:	

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N/F
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TAX ID No. 17 010800010665
DB 24585 PG 91
DB 14583 PG 332

N/F
MIDTOWN HEIGHTS LLC
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N/F
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TAX ID No. 17 010800040308
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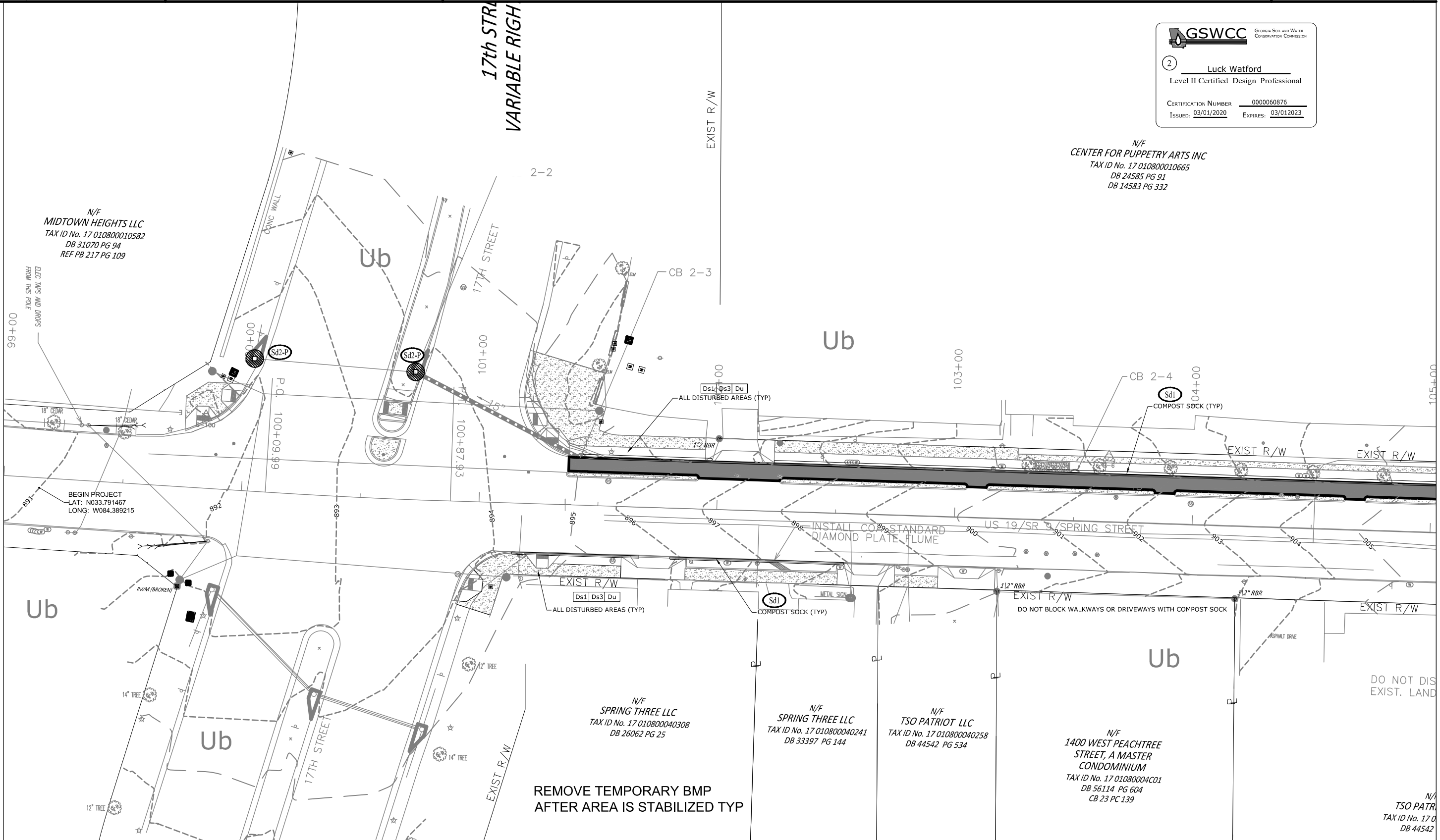
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TAX ID No. 17 01080004001
DB 56114 PG 604
CB 23 PC 139

N/F
TSO PATRIOT LLC
TAX ID No. 17 010800040258
DB 44542 PG 534

REMOVE TEMPORARY BMP
AFTER AREA IS STABILIZED TYP



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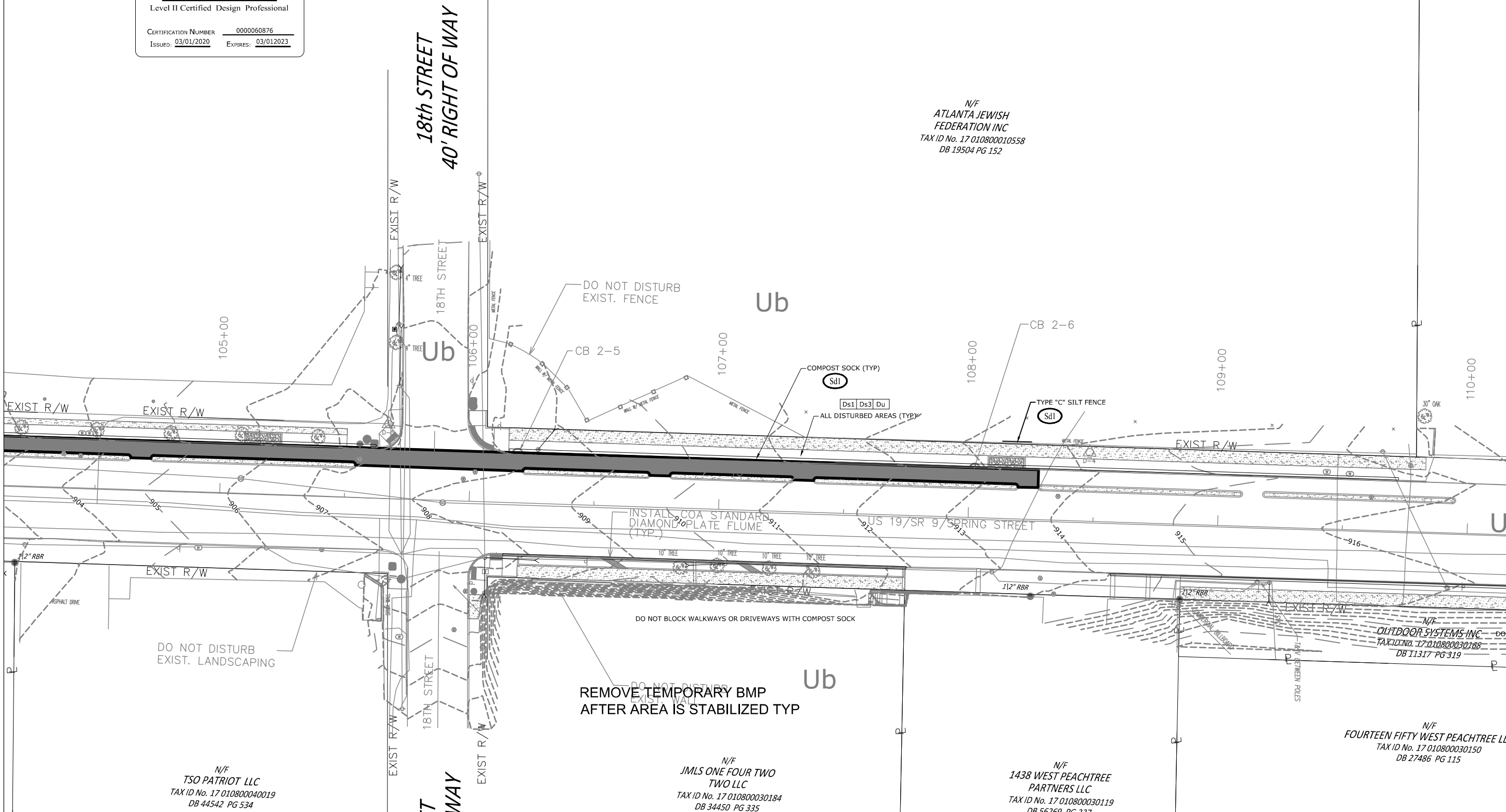
NO.	DATE	DESCRIPTION

FINAL BMP LOCATION PLAN
Spring Street Bike and
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CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	54-0005
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VERIFIED:	DATE:	

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 ISSUED: 03/01/2020 EXPIRES: 03/01/2023

N/F
ATLANTA JEWISH FEDERATION INC
 TAX ID No. 17 010800010558
 DB 19504 PG 152



DO NOT DISTURB EXIST. LANDSCAPING

REMOVE TEMPORARY BMP AFTER AREA IS STABILIZED TYP

DO NOT BLOCK WALKWAYS OR DRIVEWAYS WITH COMPOST SOCK

N/F
TSO PATRIOT LLC
 TAX ID No. 17 010800040019
 DB 44542 PG 534

N/F
JMLS ONE FOUR TWO TWO LLC
 TAX ID No. 17 010800030184
 DB 34450 PG 335

N/F
1438 WEST PEACHTREE PARTNERS LLC
 TAX ID No. 17 010800030119
 DB 56269 PG 337

N/F
FOURTEEN FIFTY WEST PEACHTREE LLC
 TAX ID No. 17 010800030150
 DB 27486 PG 115

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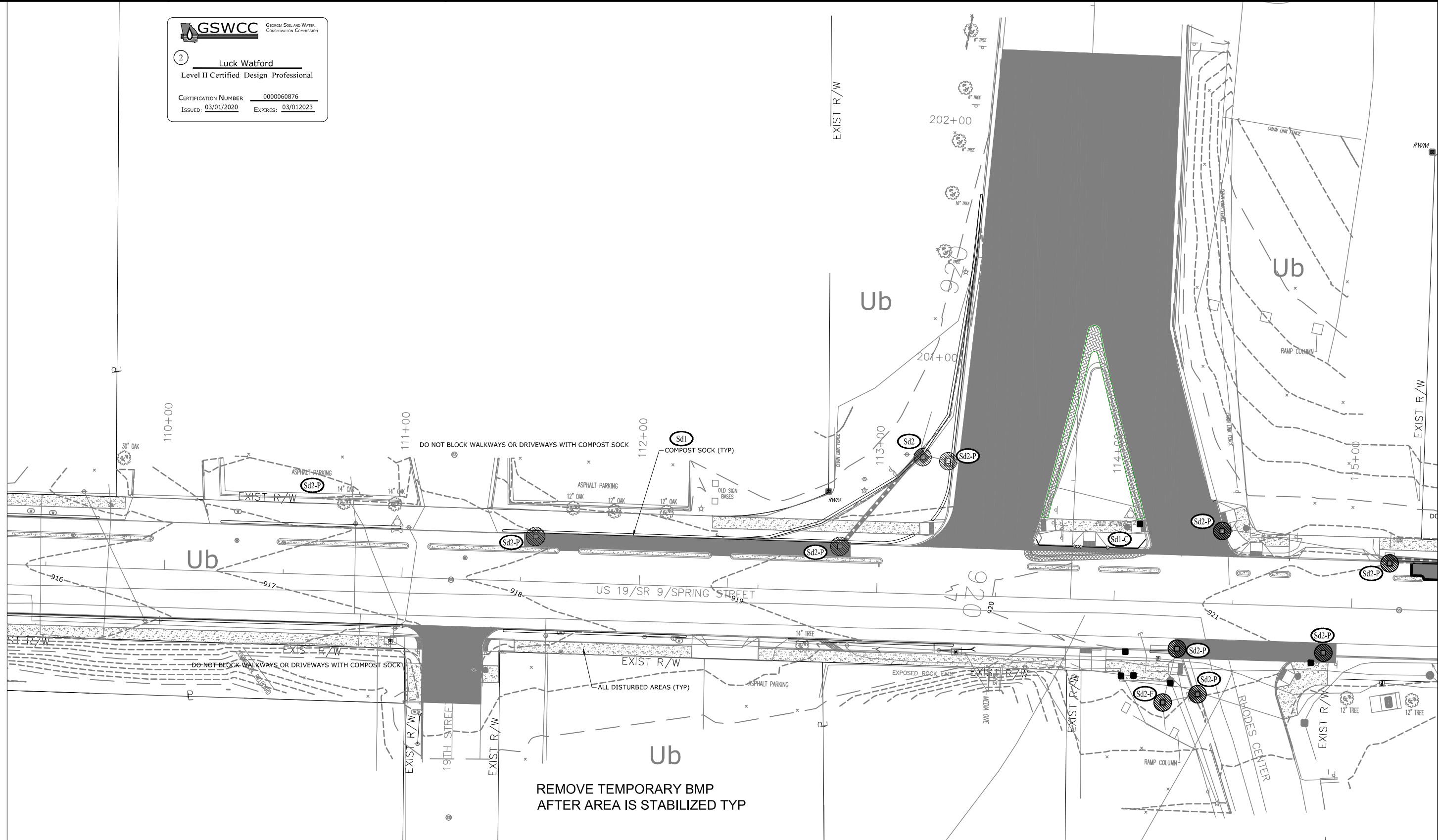
FINAL BMP LOCATION PLAN
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CORRECTED:	DATE:	
VERIFIED:	DATE:	

GSWCC Georgia Soil and Water Conservation Commission

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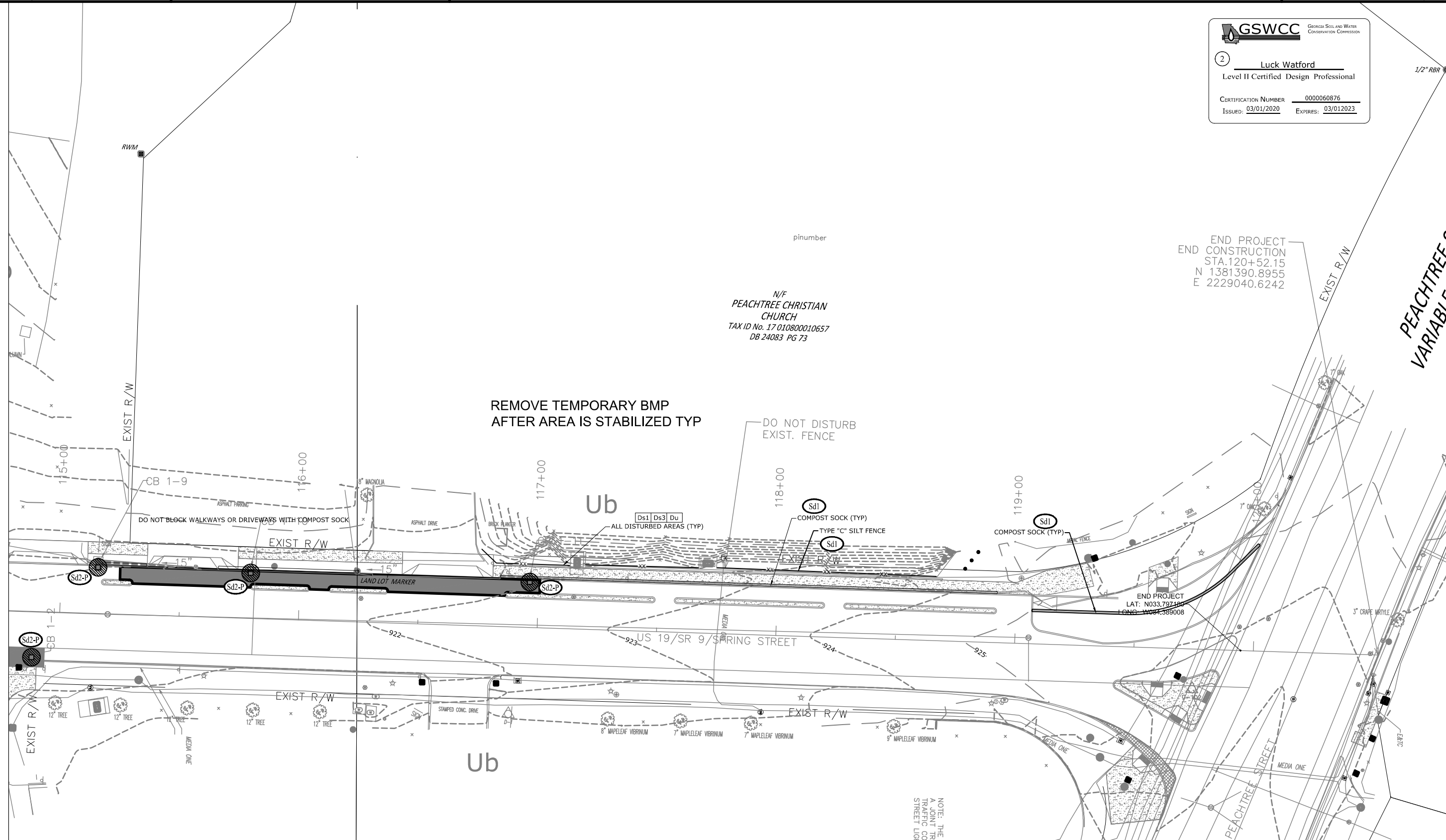
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Spring Street Bike and
Pedestrian Improvements

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CORRECTED:	DATE:	
VERIFIED:	DATE:	

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N/F
PEACHTREE CHRISTIAN CHURCH
TAX ID No. 17 010800010657
DB 24083 PG 73

END PROJECT
END CONSTRUCTION
STA. 120+52.15
N 1381390.8955
E 2229040.6242

REMOVE TEMPORARY BMP
AFTER AREA IS STABILIZED TYP

DO NOT DISTURB
EXIST. FENCE

Ub
ALL DISTURBED AREAS (TYP)

END PROJECT
LAT: N033.797181
LONG: W084.389008

US 19/SR 9/SPRING STREET

Ub

NOTE: THE T
A JOINT TRF
TRAFFIC CON
STREET LIGHT

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REVISION DATES		FINAL BMP LOCATION PLAN Spring Street Bike and Pedestrian Improvements	
CHECKED:	DATE:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	DATE:	54-0008
CORRECTED:	DATE:	DATE:	
VERIFIED:	DATE:	DATE:	

GEORGIA UNIFORM CODING SYSTEM FOR SOIL EROSION AND SEDIMENT CONTROL PRACTICES

GEORGIA SOIL AND WATER CONSERVATION COMMISSION

STRUCTURAL PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Cd	CHECKDAM			A small temporary barrier or dam constructed across a swale, drainage ditch or area of concentrated flow.
Ch	CHANNEL STABILIZATION			Improving, constructing or stabilizing an open channel, existing stream, or ditch.
Co	CONSTRUCTION EXIT			A crushed stone pad located at the construction site exit to provide a place for removing mud from tires thereby protecting public streets.
Cr	CONSTRUCTION ROAD STABILIZATION			A driveway constructed as part of a construction plan including access roads, subdivision roads, parking areas and other on-site vehicle transportation routes.
Dc	STREAM DIVERSION CHANNEL			A temporary channel constructed to convey flow around a construction site while a permanent structure is being constructed.
Di	DIVERSION			An earth channel or dike located above, below, or across a slope to divert runoff. This may be a temporary or permanent structure.
Dn1	TEMPORARY DOWNDRAIN STRUCTURE			A flexible conduit of heavy-duty fabric or other material designed to safely conduct surface runoff down a slope. This is temporary and reusable.
Dn2	PERMANENT DOWNDRAIN STRUCTURE			A paved chute, pipe, sectional conduit or similar material designed to safely conduct surface runoff down a slope.
Fr	FILTER RING			A temporary stone barrier constructed at storm drain inlets and pond outlets.
Ga	GABION			Rock filter baskets which are hand-placed into position forming soil stabilizing structures.
Gr	GRADE STABILIZATION STRUCTURE			Permanent structures installed to protect channels or waterways where otherwise the slope would be sufficient for the running water to form gullies.
Lv	LEVEL SPREADER			A structure to convert concentrated flow of water into less erosive sheet flow. This should be constructed only on undisturbed soils.
Rd	ROCK FILTER DAM			A permanent or temporary stone filter dam installed across small streams or drainageways.
Re	RETAINING WALL			A wall installed to stabilize cut and fill slopes where maximum permissible slopes are not obtainable. Each situation will require special design.
Rt	RETRO FITTING			A device or structure placed in front of a permanent stormwater detention pond outlet structure to serve as a temporary sediment filter.
Sd1	SEDIMENT BARRIER			A barrier to prevent sediment from leaving the construction site. It may be sandbags, bales of straw or hay, brush, logs and poles, gravel, or a silt fence.
Sd2	INLET SEDIMENT TRAP			An impounding area created by excavating around a storm drain drop inlet. The excavated area will be filled and stabilized on completion of construction activities.
Sd3	TEMPORARY SEDIMENT BASIN			A basin created by excavation or a dam across a waterway. The surface water runoff is temporarily stored allowing the bulk of the sediment to drop out.
Sd4	TEMPORARY SEDIMENT TRAP			A small temporary pond that drains a disturbed area so that sediment can settle out. The principle feature distinguishing a temporary sediment trap from a temporary sediment basin is the lack of a pipe or riser.
Sk	FLOATING SURFACE SKIMMER			A buoyant device that releases/drains water from the surface of sediment ponds, traps, or basins at a controlled rate of flow.
Spb	SEEP BERM			Linear control device constructed as a diversion perpendicular to the direction of runoff to enhance dissipation and infiltration, while creating multiple sedimentation chambers with the employment of intermediate dikes.

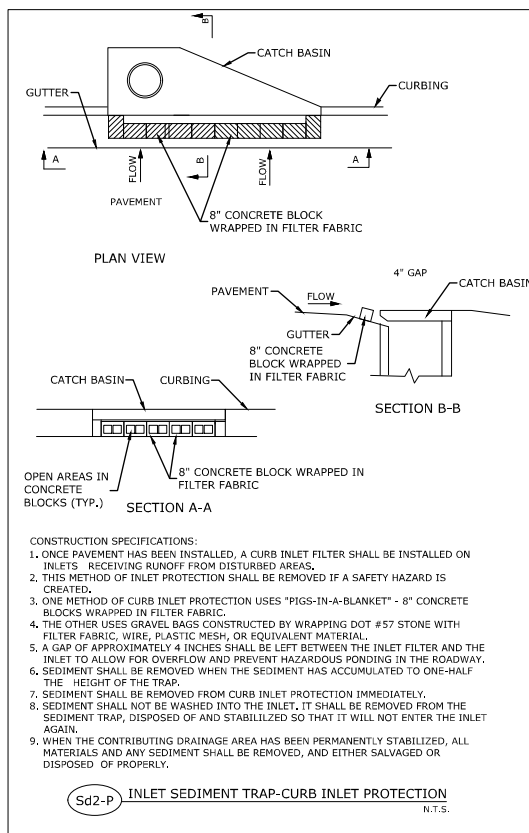
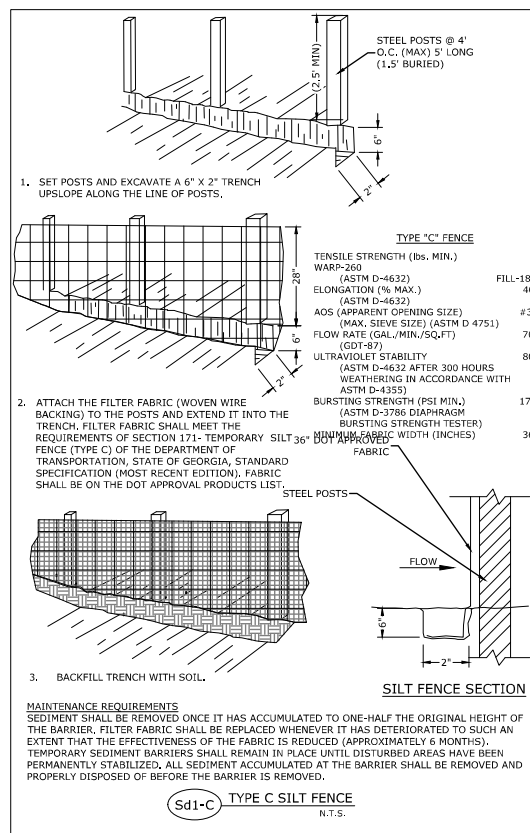
STRUCTURAL PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Sr	TEMPORARY STREAM CROSSING			A temporary bridge or culvert-type structure protecting a stream or watercourse from damage by crossing construction equipment.
St	STORMDRAIN OUTLET PROTECTION			A paved or short section of riprap channel at the outlet of a storm drain preventing erosion from the concentrated runoff.
Su	SURFACE ROUGHENING			A rough soil surface with horizontal depressions on a contour or slopes left in a roughened condition after grading.
Tc	TURBIDITY CURTAIN			A floating or stacked barrier installed within the water (it may also be referred to as a floating boom, silt barrier, or silt curtain).
Tp	TOPSOILING			The practice of stripping off the more fertile soil, storing it, then spreading it over the disturbed area after completion of construction activities.
Tr	TREE PROTECTION			To protect desirable trees from injury during construction activity.
Wt	VEGETATED WATERWAY OR STORMWATER CONVEYANCE CHANNEL			Paved or vegetative water outlets for diversions, terraces, berms, dikes or similar structures.

VEGETATIVE PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Bf	BUFFER ZONE			Strip of undisturbed original vegetation, enhanced or restored existing vegetation or the establishment of vegetation surrounding an area of disturbance or bordering streams.
Cs	COASTAL DUNE STABILIZATION (WITH VEGETATION)			Planting vegetation on dunes that are denuded or artificially constructed, or re-nourished.
Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)			Establishing temporary protection for disturbed areas where seedlings may not have a suitable growing season to produce an erosion retarding cover.
Ds2	DISTURBED AREA STABILIZATION (WITH TEMP SEEDING)			Establishing a temporary vegetative cover with fast growing seedlings on disturbed areas.
Ds3	DISTURBED AREA STABILIZATION (WITH PERM SEEDING)			Establishing a permanent vegetative cover such as trees, shrubs, vines, grasses, or legumes on disturbed areas.
Ds4	DISTURBED AREA STABILIZATION (SOODOG)			A permanent vegetative cover using sods on highly erodible or critically eroding lands.
Du	DUST CONTROL ON DISTURBED AREAS			Controlling surface and air movement of dust on construction site, roadways and similar sites.
Fi-Cd	FLOCCULANTS AND CONSOLIDANTS			Substance formulated to assist in the solids/liquid separation of suspended particles in solution.
Sb	STREAMBANK STABILIZATION (USING FRISK VEGETATION)			The use of readily available native plant materials to maintain and enhance streambanks, or to prevent, restore and repair small streambank erosion problems.
Ss	SLOPE STABILIZATION			A protective covering used to prevent erosion and establish temporary or permanent vegetation on steep slopes, shore lines, or channels.
Tac	TACKIFIERS AND BINDERS			Substance used to anchor straw or hay mulch by causing the organic material to bind together.

GA SWCC (Amended - 2013)



SPECIFICATIONS

MULCHING WITHOUT SEEDING

THIS STANDARD APPLIES TO GRADES OR CLEARED AREAS WHERE SEEDINGS MAY NOT HAVE A SUITABLE GROWING SEASON TO PRODUCE AND EROSION RETARDANT COVER, BUT CAN BE STABILIZED WITH A MULCH COVER.

SITE PREPARATION

- GRADE TO PERMIT THE USE OF EQUIPMENT FOR APPLYING AND ANCHORING MULCH.
- INSTALL NEEDED EROSION CONTROL MEASURES AS REQUIRED SUCH AS DIKES, DIVERSIONS, BERMS, TERRACES AND SEDIMENT BARRIERS.
- LOOSEN COMPACT SOIL TO A MINIMUM DEPTH OF 3 INCHES.

MULCHING MATERIALS

SELECT ONE OF THE FOLLOWING MATERIALS AND APPLY AT THE DEPTH INDICATED:

- DRY STRAW OR HAY SHALL BE APPLIED AT A DEPTH OF 2 TO 4 INCHES PROVIDING COMPLETE SOIL COVERAGE. ONE ADVANTAGE OF THIS MATERIAL IS EASY APPLICATION.
- WOOD WASTE (CHIPS, SAWDUST OR BARK) SHALL BE APPLIED AT A DEPTH OF 2 TO 3 INCHES. ORGANIC MATERIAL FROM THE CLEARING STAGE OF DEVELOPMENT SHOULD REMAIN ON SITE, BE CHIPPED AND APPLIED AS MULCH. THIS METHOD OF MULCHING CAN GREATLY REDUCE EROSION CONTROL COSTS.
- CUTBACK ASPHALT (SLOW CURING) SHALL BE APPLIED AT 1200 GALLONS PER ACRE (OR 1/4 GALLON PER SQUARE YARD).
- POLYETHYLENE FILM SHALL BE SECURED OVER BANKS OR STOCKPILED SOIL MATERIAL FOR TEMPORARY PROTECTION. THIS MATERIAL CAN BE SALVAGED AND RE-USED.

APPLYING MULCH

WHEN MULCH IS USED WITHOUT SEEDING, MULCH SHALL BE APPLIED TO PROVIDE FULL COVERAGE OF THE EXPOSED AREA.

- DRY STRAW OR HAY MULCH AND WOOD CHIPS SHALL BE APPLIED UNIFORMLY BY HAND OR BY MECHANICAL EQUIPMENT.
- IF THE AREA WILL EVENTUALLY BE COVERED WITH PERENNIAL VEGETATION, 20-30 POUNDS OF NITROGEN PER ACRE IN ADDITION TO THE NORMAL AMOUNT SHALL BE APPLIED TO OFFSET THE UPTAKE OF NITROGEN CAUSED BY THE DECOMPOSITION OF THE ORGANIC MULCHES.
- CUTBACK ASPHALT SHALL BE APPLIED UNIFORMLY. CARE SHOULD BE TAKEN IN AREAS OF PEDESTRIAN TRAFFIC DUE TO PROBLEMS OF "TRACKING IN" OR DAMAGE TO SHOES, CLOTHING, ETC.
- APPLY POLYETHYLENE FILM ON EXPOSED AREAS.

ANCHORING MULCH

- STRAW OR HAY MULCH CAN BE PRESSED INTO THE SOIL WITH A DISK HARROW WITH THE DISK SET STRAIGHT OR WITH A SPECIAL "TRACKER DISK". DISKS MAY BE SHROTTED OR SEPARATED AND SHOULD BE 20 INCHES OR MORE IN DIAMETER AND 8 TO 12 INCHES APART. THE EDGES OF THE DISK SHOULD BE DULL ENOUGH NOT TO CUT THE MULCH BUT TO PRESS IT INTO THE SOIL LEAVING MUCH OF IT IN AN ERECT POSITION. STRAW OR HAY MULCH SHALL BE ANCHORED IMMEDIATELY AFTER APPLICATION ON ALL SLOPES 5:1V OR GREATER.
- NETTING WITH MESH NO LARGER THAN ONE INCH BY ONE INCH SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
- NETTING OF THE APPROPRIATE SIZE SHALL BE USED TO ANCHOR WOOD WASTE. OPENINGS OF THE NETTING SHALL NOT BE LARGER THAN THE AVERAGE SIZE OF THE WOOD WASTE CHIPS. POLYETHYLENE FILM SHALL BE ANCHOR TRENCHED AT THE TOP AS WELL AS INSTALLED IMMEDIATELY AS NECESSARY.

STRAW OR HAY MULCH SPREAD WITH SPECIAL BLOWER-TYPE EQUIPMENT MAY BE ANCHORED WITH EMULSIFIED ASPHALT (GRADE A-E-5 OR SS-1). THE ASPHALT EMULSION SHALL BE SPRAYED ONTO THE MULCH AS IT IS EJECTED FROM THE MACHINE. USE 100 GALLONS OF EMULSIFIED ASPHALT AND 100 GALLONS OF WATER PER TON OF MULCH. TACKIFIERS AND BINDERS CAN BE SUBSTITUTED FOR EMULSIFIED ASPHALT. PLEASE REFER TO SPECIFICATION T6 - TACKIFIERS AND BINDERS. PLASTIC MESH OR

5d1-DISTURBED AREA STABILIZATION w/MULCHING ONLY
N.T.S.

DEFINITION

THE ESTABLISHMENT OF TEMPORARY VEGETATIVE COVER WITH FAST GROWING SEEDINGS FOR SEASONAL PROTECTION ON DISTURBED OR DENUDED AREAS.

REQUIREMENT FOR REGULATORY COMPLIANCE

MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 14 DAYS OF DISTURBANCE. TEMPORARY GRASSING, INSTEAD OF MULCH, CAN BE APPLIED TO ROUGH GRADED AREAS THAT WILL BE EXPOSED FOR LESS THAN SIX MONTHS. IF AN AREA IS EXPECTED TO BE UNDISTURBED FOR LONGER THAN SIX MONTHS, PERMANENT PERENNIAL VEGETATION SHALL BE USED. IF OPTIMUM PLANTING CONDITIONS FOR TEMPORARY GRASSING ARE LACKING, MULCH CAN BE USED AS A TEMPORARY EROSION CONTROL DEVICE FOR UP TO SIX MONTHS BUT IT SHALL BE APPLIED AT THE APPROPRIATE DEPTH, ANCHORED, AND HAVE A CONTINUOUS 90% COVER OR GREATER OF THE SOIL SURFACE. REFER TO SPECIFICATION Ds1-DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING).

SPECIFICATIONS

GRADING AND SHAPING

EXCESSIVE WATER RUN-OFF SHALL BE REDUCED BY PROPERLY DESIGNED AND INSTALLED EROSION CONTROL PRACTICES SUCH AS CLOSED DRAINS, DITCHES, DIKES, DIVERSIONS, SEDIMENT BARRIERS AND OTHERS.

NO SHAPING OR GRADING IS REQUIRED IF SLOPES CAN BE STABILIZED BY HAND-SEEDING VEGETATION OR IF HYDRAULIC SEEDING EQUIPMENT IS TO BE USED.

SEEDBED PREPARATION

WHEN A HYDRAULIC SEEDER IS USED, SEEDBED PREPARATION IS NOT REQUIRED, WHEN USING CONVENTIONAL OR HANDSEEDING, SEEDBED PREPARATION IS NOT REQUIRED IF THE SOIL MATERIAL IS LOOSE AND NOT SEALED BY RAINFALL.

WHEN SOIL HAS BEEN SEALED BY RAINFALL OR OTHERWISE CONSISTS OF SMOOTH CUT SURFACES, THE SOIL SHALL BE PITTED, TRENCHED OR OTHERWISE SCRAPPED TO PROVIDE A PLACE FOR SEED TO LODGE AND GERMINATE.

LINE AND FERTILIZER

AGRICULTURAL LINE IS REQUIRED UNLESS SOIL TESTS INDICATE OTHERWISE. APPLY AGRICULTURAL LINE AT A RATE OF ONE TON PER ACRE. GRADES REQUIRING LINE APPLICATION, SOILS CAN BE TESTED TO DETERMINE IF FERTILIZER IS NEEDED. ON REASONABLY FERTILE SOILS OR SOIL MATERIAL, FERTILIZER IS NOT REQUIRED. FOR SOILS WITH VERY LOW FERTILITY, 500 TO 700 POUNDS OF 10-10-10 FERTILIZER OR THE EQUIVALENT PER ACRE (12-16 LBS./1,000 S.F.) SHALL BE APPLIED. FERTILIZER SHOULD BE APPLIED BEFORE LAND PREPARATION AND INCORPORATED WITH A DISK, RIPPERS OR CRISSEL.

SEEDING

SELECT A GRASS OR GRASS-LEGUME MIXTURE SUITABLE TO THE AREA AND SEASON OF THE YEAR. SEED SHALL BE APPLIED UNIFORMLY BY HAND, CYCLONE SEEDER, DRILL, CULTI-PACKER-SEEDER, OR HYDRAULIC SEEDER (SLURRY INCLUDING SEED AND FERTILIZER). DRILL OR CULTI-PACKER SEEDERS SHOULD NORMALLY PLACE SEED ONE-QUARTER TO ONE-HALF INCH DEEP. APPROPRIATE DEPTH OF PLANTING IS TEN TIMES THE SEED DIAMETER. SOIL SHOULD BE "RAKED" LIGHTLY TO COVER SEED WITH SOIL IF SEED BY HAND.

MULCHING

TEMPORARY VEGETATION CAN, IN MOST CASES, BE ESTABLISHED WITHOUT THE USE OF MULCH. MULCH WITHOUT SEEDING SHOULD BE CONSIDERED FOR SHORT TERM PROTECTION. REFER TO Ds1 - DISTURBED AREA STABILIZATION (WITH MULCHING ONLY).

IRRIGATION

DURING TIMES OF DROUGHT, WATER SHALL BE APPLIED AT A RATE NOT CAUSING RUNOFF AND EROSION. THE SOIL SHALL BE THOROUGHLY WETTED TO A DEPTH THAT WILL INSURE GERMINATION OF THE SEED. SUBSEQUENT APPLICATIONS SHOULD BE MADE WHEN NEEDED.

1/ TEMPORARY COVER CROPS ARE VERY COMPETITIVE AND WILL CROWN OUT PERENNIALS IF SEEDING TOO HEAVILY.
2/ REDUCE SEEDING RATES BY 50% WHEN DRILLED.
3/ P.S. IS AN ABBREVIATION FOR PURE LIVE SEED.
4/ M-L REPRESENTS TO MOUNTAIN; BLU RIDGE; AND RIDGES AND VALLEYS MURAS
5/ R REPRESENTS THE SOUTHERN PIEDMONT MURAS
6/ REPRESENTS THE SOUTHERN COASTAL PLAIN; SAND HILLS; BLACK LANDS; AND ATLANTIC COAST FLATWOODS MURAS

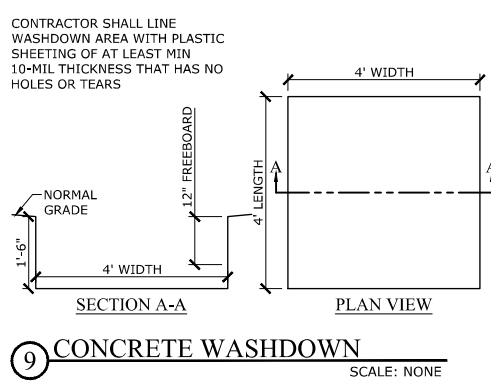
SPECIES	BROADCAST RATES 1/2 (P.L. SEED) PER ACRE	RESOURCE AREA 4/	PLANTING DATES												REMARKS	
			J	J	J	J	J	J	J	J	J	J	J	J		
BANGLAY (variegated) ALONE IN MIXTURES	144 LBS.	3.3 LBS.														14,000 SEED PER POUND. WINTERHARDY.
LESPEDEZA, ANNUAL, (Lupinus termis) ALONE IN MIXTURES	24 LBS.	0.6 LBS.														200,000 SEED PER POUND. MAY LAST FOR SEVERAL YEARS. USE "INCULCANT" K-L.
LOW-FERTISS, WINTERING (Eriogonum cicutaria) ALONE IN MIXTURES	4 LBS.	0.1 LBS.														1,200,000 SEED PER POUND. MAY LAST FOR SEVERAL YEARS. USE "INCULCANT" K-L.
MILLET, BROWN/TOP (Panicum trichoides) ALONE IN MIXTURES	40 LBS.	0.8 LBS.														137,000 SEED PER POUND. QUICK GERM COVER. WILL PRODUCE TO A HIGH COMPETITION IN MIXTURES IF SEEDING AT HIGH RATES.
WHE (var. corn) ALONE IN MIXTURES	168 LBS.	3.9 LBS.														18,000 SEED PER POUND. QUICK GERM COVER. MAY REACH 5' FEET IN HEIGHT. NOT RECOMMENDED FOR MIXTURES.
RYEGRASS, ANNUAL, (Lolium temulentum) ALONE	28 LBS.	0.6 LBS.														227,000 SEED PER POUND. DENSE COVER. VERY COMPETITIVE AND IS BEST TO BE USED IN MIXTURES.
MILLET, BIRDSEED (Panicum polyanthemum) ALONE	50 LBS.	1.1 LBS.														88,000 SEED PER POUND. DENSE COVER. VERY COMPETITIVE AND IS BEST TO BE USED IN MIXTURES.
OATS (var. sylvia) ALONE IN MIXTURES	128 LBS.	2.9 LBS.														13,000 SEED PER POUND. USE ON PRODUCTIVE SOILS. NOT AS WINTERHARDY AS RYE OR BARLEY.
SUDAN GRASS (Sorghum sudanicum) ALONE	60 LBS.	1.4 LBS.														95,000 SEED PER POUND. GOOD. NOT ON PRODUCTIVE SOILS. RECOMMENDED FOR MIXTURES.
TRITICALE (x-Triticosecalk) ALONE IN MIXTURES	144 LBS.	3.3 LBS.														USE ON LOWER PART OF SOUTHERN COASTAL PLAIN AND ATLANTIC COASTAL FLATWOODS ONLY.
WHEAT (Triticum aestivum) ALONE IN MIXTURES	180 LBS.	4.1 LBS.														15,000 SEED PER POUND. WINTERHARDY.

5d2-DISTURBED AREA STABILIZATION w/ TEMPORARY SEEDING N.T.S.

GSWCC GEORGIA SOIL AND WATER CONSERVATION COMMISSION

2 Luck Watford
Level II Certified Design Professional

CERTIFICATION NUMBER 0000060876
ISSUED 03/01/2020 EXPIRES 03/01/2023



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REVISION DATES		ESPC DETAILS	
CHECKED:	DATE:	Spring Street Bike and Pedestrian Improvements	
BACKCHECKED:	DATE:	DRAWING No. 56-0001	
CORRECTED:	DATE:		
VERIFIED:	DATE:		

DEFINITION

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PLANTS, PLANTING RATES, AND PLANTING DATES FOR TEMPORARY COVER OR COMPANION CROPS 1/

SPECIES	BROADCAST RATES 2/ - PLS 3/		RESOURCE AREA 4/	PLANTING DATES												REMARKS	
	PER ACRE	PER 1000 S.F.		J	F	M	A	M	J	J	A	S	O	N	D		
BARLEY (Hordeum vulgare) ALONE IN MIXTURES	144 LBS.	3.3 LBS.	M-L														14,000 SEED PER POUND WATERHARDY. USE ON PRODUCTIVE SOILS.
LESPEDeza, ANNUAL (Lupinus albus) ALONE IN MIXTURES	40 LBS.	0.9 LBS.	M-L														200,000 SEED PER POUND. MAY VOLUNTEER FOR SEVERAL YEARS. USE INOCULANT E.L.
LOVEGRASS, WEEPING (Eriophorum vaginatum) ALONE IN MIXTURES	4 LBS.	0.1 LBS.	M-L														1,500,000 SEED PER POUND. MAY LAST FOR SEVERAL YEARS. MIX WITH SERICEA LESPEDeza
MILLET, BROWNTOP (Pennisetum polystachyon) ALONE IN MIXTURES	40 LBS.	0.9 LBS.	M-L														137,000 SEED PER POUND. QUICK DENSE COVER. WILL PROVIDE TOO MUCH COMPETITION IN MIXTURES IF SEEDED AT HIGH RATES.
RYE (Secale cereale) ALONE IN MIXTURES	168 LBS.	3.9 LBS.	M-L														18,000 SEED PER POUND. QUICK COVER. BROUGHT TOLERANT AND WINTERHARDY.
RYEGRASS, ANNUAL (Lolium temulentum) ALONE	28 LBS.	0.6 LBS.	M-L														227,000 SEED PER POUND. QUICK COVER. VERY COMPETITIVE AND IS NOT TO BE USED IN MIXTURES.
MILLET, PEARL (Pennisetum glaucum) ALONE	40 LBS.	0.9 LBS.	M-L														88,000 SEED PER POUND. QUICK, DENSE COVER. MAY REACH 5 FEET IN HEIGHT. NOT RECOMMENDED FOR MIXTURES.
OATS (Avena sativa) ALONE IN MIXTURES	128 LBS.	2.9 LBS.	M-L														13,000 SEED PER POUND. USE ON PRODUCTIVE SOILS. NOT AS WINTERHARDY AS RYE OR BARLEY.
SUDAN GRASS (Sorghum sudanense) ALONE	60 LBS.	1.4 LBS.	M-L														35,000 SEED PER POUND. GOOD BUDS ON DROUGHT SITES. RECOMMENDS FOR MIXTURES.
TRITICALE (Hybrid of wheat and rye) ALONE IN MIXTURES	144 LBS.	3.3 LBS.	M-L														USE ON LOWER PART OF SOUTHERN COASTAL PLAINS AND IN ATLANTIC COASTAL FLATWOODS ONLY.
WHEAT (Triticum aestivum) ALONE IN MIXTURES	180 LBS.	4.1 LBS.	M-L														15,000 SEED PER POUND. WINTERHARDY.

Ds-2 DISTURBED AREA STABILIZATION w/ TEMPORARY SEEDING N.T.S.

1/ TEMPORARY COVER CROPS ARE VERY COMPETITIVE AND WILL CROWN OUT PERENNIALS IF SEEDED TOO HEAVILY.
 2/ REDUCE SEEDING RATES BY 50% WHEN DRILLED.
 3/ PLS IS AN ABBREVIATION FOR PURE LIVE SEED.
 4/ M-L REPRESENTS TO MOUNTAIN, BLUE RIDGE, AND RIDGES AND VALLEYS MLRA'S
 P REPRESENTS THE SOUTHERN PIEDMONT MLRA
 C REPRESENTS THE SOUTHERN COASTAL PLAIN; SAND HILLS; BLACK LANDS; AND ATLANTIC COAST FLATWOODS MLRA'S

DEFINITION

CONTROLLING SURFACE AND AIR MOVEMENT OF DUST ON CONSTRUCTION SITES, ROADS, AND DEMOLITION SITES.

PURPOSE

-TO PREVENT SURFACE AND AIR MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES
 -TO REDUCE THE PRESENCE OF AIRBORNE SUBSTANCES WHICH MAY BE HARMFUL OR INJURIOUS TO HUMAN HEALTH, WELFARE, OR SAFETY, OR TO ANIMALS OR PLANT LIFE.

CONDITIONS

THIS PRACTICE IS APPLICABLE TO AREAS SUBJECT TO SURFACE AND AIR MOVEMENT OF DUST WHERE ON AND OFF-SITE DAMAGE MAY OCCUR WITHOUT TREATMENT.

METHODS AND MATERIALS

TEMPORARY METHODS:
 MULCHES SEE STANDARD Ds1 - DISTURBED AREA STABILIZATION (WITH MULCHING ONLY). SYNTHETIC BLENDS MAY BE USED INSTEAD OF ASPHALT TO BIND MULCH MATERIAL. REFER TO STANDARD T3-TACKIFIERS AND BINDERS. RESINS SUCH AS CURASOL OR TERRACOTE SHOULD BE USED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
VEGETATIVE COVER SEE STANDARD Ds2 - DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING).
SPRAY-ON ADHESIVES THESE ARE USED ON MINERAL SOILS (NOT EFFECTIVE ON MUCK SOILS). KEEP TRAFFIC OFF THESE AREAS. REFER TO STANDARD T3-TACKIFIERS AND BINDERS.

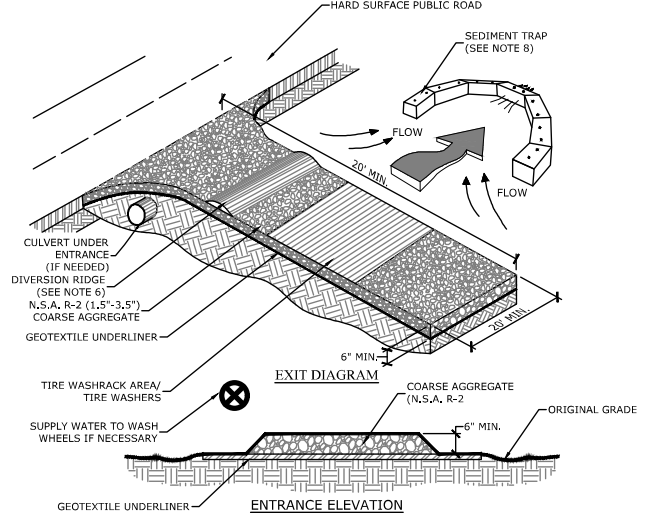
TILLAGE THIS PRACTICE IS DESIGNED TO ROUGHEN AND BRING CLODS TO THE SURFACE. IT IS AN EMERGENCY MEASURE WHICH SHOULD BE USED BEFORE WIND EROSION STARTS. BEGIN FLOWING ON WINDWARD SIDE OF THE SITE. CHISEL-TYPE PLOWS SPACED ABOUT 12 INCHES APART, SPRING TOOTHED HARROWS, AND SIMILAR PLOWS ARE EXAMPLES OF EQUIPMENT WHICH MAY PRODUCE THE DESIRED EFFECT.
IRRIGATION THIS IS GENERALLY DONE AS AN EMERGENCY TREATMENT. SITE IS SPRINKLED WITH WATER UNTIL THE SURFACE IS WET. REPEAT AS NEEDED.

BARRIERS SOLID BOARD FENCES, SNOWFENCES, BURLAP FENCES, CRATE WALLS, BALES OF HAY AND SIMILAR MATERIAL CAN BE USED TO CONTROL AIR CURRENTS AND SOIL BLOWING. BARRIERS PLACED AT RIGHT ANGLES TO PREVAILING CURRENTS AT INTERVALS OF ABOUT 15 TIMES THEIR HEIGHT ARE EFFECTIVE IN CONTROLLING WIND EROSION. CALCIUM CHLORIDE APPLY AT A RATE THAT WILL KEEP SURFACE MOIST. MAY NEED RETREATMENT.
PERMANENT METHODS

PERMANENT VEGETATION SEE STANDARD Ds3 - DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION) EXISTING TREES AND LARGE SHRUBS MAY AFFORD VALUABLE PROTECTION IF LEFT IN PLACE.
TOPSOILING THIS ENTAILS COVERING THE SURFACE WITH LESS ERODIBLE SOIL MATERIAL. SEE STANDARD T3-TOPSOILING.

STONE COVER SURFACE WITH CRUSHED STONE OR COARSE GRAVEL. SEE STANDARD Cc-CONSTRUCTION ROAD STABILIZATION.

Du DUST CONTROL ON DISTURBED AREAS N.T.S.

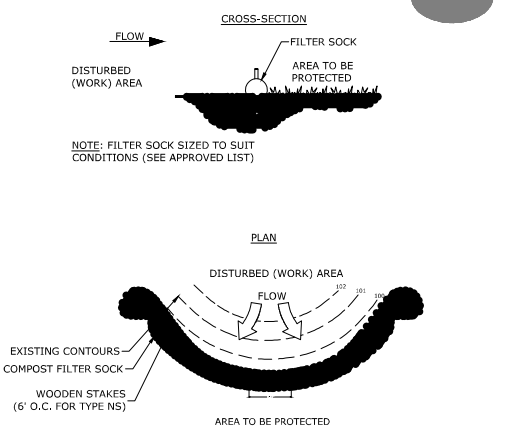


- NOTES:**
1. AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC ROADS.
 2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE, AND CROWN FOR POSITIVE DRAINAGE.
 3. AGGREGATE SIZE SHALL BE IN ACCORDANCE WITH NATIONAL STONE ASSOCIATION R-2 (1.5"-3.5" STONE). GRAVEL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

1 CRUSHED STONE CONSTRUCTION EXIT NOT TO SCALE Co

EROSION AND SEDIMENT CONTROL

COMPOST FILTER SOCK



- NOTES:**
1. ALL MATERIAL TO MEET SPECIFICATIONS.
 2. PLACE ONE STAKE AT THE CENTER OF DITCH/CHANNEL. ALSO, PLACE STAKES AT THE BED/BANK JUNCTION AND AT THE END OF THE DEVICE, NOT SPACED MORE THAN 4 FEET APART.
 3. SEDIMENT SHOULD BE REMOVED FROM BEHIND THE CHECK DAM ONCE THE ACCUMULATED HEIGHT HAS REACHED 1/2 THE HEIGHT OF THE CHECK DAM.
 4. CHECK DAMS CAN BE DIRECT SEEDING AT THE TIME OF INSTALLATION.
 5. MINIMUM STAKING DEPTH FOR SAND, SILT, & CLAY SHALL BE 10"

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 LICENSE NO. PEF004853
 EXPIRATION DATE: 6/30/2022
 c 2021 R2T INC.

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

REVISION DATES	

ESPC DETAILS
 Spring Street Bike and Pedestrian Improvements

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	56-0002
CORRECTED:	DATE:	
VERIFIED:	DATE:	

Luck Watford
 Level II Certified Design Professional

CERTIFICATION NUMBER 0000060876
 ISSUED: 03/01/2020 EXPIRES: 03/01/2023

LIME AND FERTILIZER RATES AND ANALYSIS

AGRICULTURAL LIME IS REQUIRED AT A RATE OF ONE TO TWO TONS PER ACRE UNLESS SOIL TESTS INDICATE OTHERWISE. GRADED AREAS REQUIRE LIME APPLICATION. IF LIME IS APPLIED WITHIN SIX MONTHS OF PLANTING PERMANENT PERENNIAL VEGETATION, ADDITIONAL LIME IS NOT REQUIRED. AGRICULTURAL LIME SHALL BE WITHIN THE SPECIFICATIONS OF THE GEORGIA DEPARTMENT OF AGRICULTURE.

LIME SPREAD BY CONVENTIONAL EQUIPMENT SHALL BE "GROUND LIMESTONE." GROUND LIMESTONE IS CALCITIC OR DOLOMITIC LIMESTONE GROUND SO THAT 90% OF THE MATERIAL WILL PASS THROUGH A 10-MESH SIEVE, NOT LESS THAN 50% WILL PASS THROUGH A 20-MESH SIEVE AND NOT LESS THAN 25% PERCENT WILL PASS THROUGH A 100-MESH SIEVE.

AGRICULTURAL LIME SPREAD BY HYDRAULIC SEEDING EQUIPMENT SHALL BE "FINELY GROUND LIMESTONE." FINELY GROUND LIMESTONE IS CALCITIC OR DOLOMITIC LIMESTONE GROUND SO THAT 98% OF THE MATERIAL WILL PASS THROUGH A 20-MESH SIEVE AND NOT LESS THAN 70% WILL PASS THROUGH A 100-MESH SIEVE.

IT IS DESIRABLE TO USE DOLOMITIC LIMESTONE IN THE SAND HILLS, SOUTHERN COASTAL PLAIN AND ATLANTIC COAST PLANTWOODS MLRAs. (SEE MANUAL). AGRICULTURAL LIME IS GENERALLY NOT REQUIRED WHERE ONLY TREES ARE PLANTED. INITIAL FERTILIZATION, NITROGEN, TOPDRESSING, AND MAINTENANCE FERTILIZER REQUIREMENTS FOR EACH SPECIES OR COMBINATION OF SPECIES ARE LISTED IN TABLE 6-5.1.

PLANT SELECTION

REFERS TO TABLES 6-4.1, 6-5.2, 6-5.3 AND 6-5.4 FOR APPROVED SPECIES. SPECIES NOT LISTED SHALL BE APPROVED BY THE STATE RESOURCE CONSERVATIONIST OF THE NATURAL RESOURCE CONSERVATION SERVICE BEFORE THEY ARE USED. PLANTS SHALL BE SELECTED ON THE BASIS OF SPECIES CHARACTERISTICS, SITE AND SOIL CONDITIONS, PLANNED USE AND MAINTENANCE OF THE AREA; TIME OF YEAR OF PLANTING, METHOD OF PLANTING, AND THE NEEDS AND DESIRES OF THE LAND USER. SOME PERENNIAL SPECIES ARE EASILY ESTABLISHED AND CAN BE PLANTED ALONE. EXAMPLES OF THESE ARE COMMON BERMUDA, TALL FESCUE AND WEEPING LOVEGRASS. OTHER PERENNIALS SUCH AS BAHIA GRASS AND SERICCA LESPEDEZA ARE SLOW TO BECOME ESTABLISHED AND SHOULD BE PLANTED WITH ANOTHER PERENNIAL SPECIES. THE ADDITIONAL SPECIES WILL PROVIDE QUICK COVER AND AMPLE SOIL PROTECTION UNTIL THE TARGET PERENNIAL SPECIES BECOME ESTABLISHED. FOR EXAMPLE COMMON SEEDING COMBINATIONS INCLUDE: WEEPING LOVEGRASS WITH SERICCA LESPEDEZA (SCARIFIED) AND TALL FESCUE (UNSCARIFIED).

PLANT SELECTION MAY ALSO INCLUDE ANNUAL COMPANION CROPS. ANNUAL COMPANION CROPS SHOULD BE PLANTED ONLY WHEN THE PERENNIAL SPECIES ARE NOT PLANTING DURING THEIR OPTIMUM PLANTING PERIOD. A COMMON MIXTURE IS BROWN TOP MILLET WITH COMMON BERMUDA IN MID-SUMMER. CARE SHOULD BE TAKEN IN SELECTING COMPANION CROP SPECIES AND SEEDING RATES BECAUSE ANNUAL CROPS WILL COMPETE WITH PERENNIAL SPECIES FOR WATER, NUTRIENTS AND GROWING SPACE. A HIGH SEEDING RATE OF THE COMPANION CROP MAY PREVENT THE ESTABLISHMENT OF PERENNIAL SPECIES. RYEGRASS SHALL NOT BE USED IN ANY SEEDING MIXTURES CONTAINING PERENNIAL SPECIES DUE TO ITS ABILITY OUT-COMPETE DESIRED SPECIES CHOSEN FOR PERMANENT PERENNIAL PLANT.

SEED QUALITY

THE TERM "PURE LIVE SEED" IS USED TO EXPRESS THE QUALITY OF SEED AND IS NOT SHOWN ON THE LABEL. PURE LIVE SEED, PLS, IS EXPRESSED AS A PERCENTAGE OF THE SEEDS THAT ARE PURE AND WILL GERMINATE. INFORMATION ON PERCENT GERMINATION AND PURITY CAN BE FOUND ON SEED TAGS. PLS IS DETERMINED BY MULTIPLYING THE PERCENT OF PURE SEED WITH THE PERCENT OF GERMINATION, I.E., PLS = % GERMINATION x % PURITY

THE PERCENT OF PLS HELPS YOU DETERMINE THE AMOUNT OF SEED YOU NEED. FOR EXAMPLE IF THE SEEDING RATE IS 10 POUNDS PLS AND THE BULK SEED IS 56% PLS, THE BULK SEEDING RATE IS: $\frac{10 \text{ LBS. OF PLS} \times 100}{56} = 17.9 \text{ LBS. / ACRE}$

YOU WOULD NEED TO PLANT 17.9 LBS/ACRE TO PROVIDE 10 LBS/ACRE OF PURE LIVE SEED.

SEEDING PREPARATION

SEEDING PREPARATION MAY NOT BE REQUIRED WHERE HYDRAULIC SEEDING AND FERTILIZING EQUIPMENT IS TO BE USED. WHEN CONVENTIONAL SEEDING IS TO BE USED, SEEDING PREPARATION WILL BE DONE AS FOLLOWS:

BROADCAST PLANTING:

- TILLAGE AT A MINIMUM, SHALL ADEQUATELY LOOSEN THE SOIL TO A DEPTH OF 4 TO 6 IN. ALLEVATE COMPACTING; INCORPORATE LIME AND FERTILIZER; SMOOTH AND FINISH THE SOIL. ALLOW FOR THE PROPER PLACEMENT OF SEED, SPRIGS, OR PLANTS; AND ALLOW FOR THE ANCHORING OF STRAW OR HAY MULCH IF A DISK IS TO BE USED TO TEMPORARILY EROSION CONTROL BLANKETS OR BLOCK SOD. MULCH IS NOT REQUIRED, BUT UNIFORM TREATMENT SHOULD BE APPLIED ON PLANTED AREAS OR SLOPES, IN DITCHES OR DRY WATERWAYS TO PREVENT EROSION. BUTYRINUS TREATED ROVING MAY BE APPLIED ON PLANTED AREAS OR SLOPES, IN DITCHES OR DRY WATERWAYS TO PREVENT EROSION. BUTYRINUS TREATED ROVING SHALL BE APPLIED WITHIN 24 HOURS AFTER AN AREA HAS BEEN PLANTED. APPLICATION RATES AND MATERIALS MUST MEET GEORGIA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS.
- TILLAGE MAY BE DONE WITH ANY SUITABLE EQUIPMENT.
- TILLAGE SHOULD BE DONE ON THE CONTOUR, WHERE FEASIBLE.
- ON SLOPES TOO STEEP FOR THE SAFE OPERATION OF TILLAGE EQUIPMENT, THE SOIL SURFACE SHALL BE FITTED OR TRENCHED ACROSS THE SLOPE WITH A 2-1/2 INCH DISK. MULCH SHALL BE APPLIED WITHIN ONE HOUR AFTER THE WHICH SEED MAY LODGE AND GERMINATE. HYDRAULIC SEEDING MAY ALSO BE USED.

INDIVIDUAL PLANTS

- WHERE INDIVIDUAL PLANTS ARE TO BE SET, THE SOIL SHALL BE PREPARED BY EXCAVATING HOLES, ORING FURROWS, OR DIBBLE PLANTING.
- FOR NURSERY STOCK PLANTS, HOLES SHALL BE LARGE ENOUGH TO ACCOMMODATE ROOTS WITHOUT CROWDING.
- WHERE PINE SEEDLINGS ARE TO BE PLANTED, SUBSOIL UNDER THE ROOT 36 INCHES DEEP ON THE CONTOUR FOUR TO SIX MONTHS PRIOR TO PLANTING. SUBSOILING SHOULD BE DONE WHEN THE SOIL IS DRY, PREFERABLY IN AUGUST OR SEPTEMBER.

INOCULANTS

ALL LEGUME SEED SHALL BE INOCULATED WITH APPROPRIATE NITROGEN-FIXING BACTERIA. THE INOCULANT SHALL BE A PURE CULTURE PREPARED SPECIFICALLY FOR THE SEED SPECIES AND USED WITHIN THE DATES ON THE CONTAINER. A MIXING MEDIUM RECOMMENDED BY THE MANUFACTURER SHALL BE USED TO BOND THE INOCULANT TO THE SEED. FOR CONVENTIONAL SEEDING, USE TWICE THE AMOUNT OF INOCULANT RECOMMENDED BY THE MANUFACTURER. FOR HYDRAULIC SEEDING, FOUR TIMES THE AMOUNT OF INOCULANT RECOMMENDED BY THE MANUFACTURER SHALL BE USED. ALL INOCULATED SEED SHALL BE PROTECTED FROM THE SUN AND HIGH TEMPERATURES AND SHALL BE PLANTED THE SAME DAY INOCULATED. NO INOCULATED SEED SHALL REMAIN IN THE HYDROSEEDER LONGER THAN ONE HOUR.

PLANTING

CONVENTIONAL SEEDING: SEEDING WILL BE DONE ON A FRESHLY PREPARED AND FROD SEEDBED. FOR BROADCAST PLANTING, USE A CULTIVATOR-SEEDER, DRILL, ROTARY SEEDER, OTHER MECHANICAL SEEDER, OR HAND SEEDING TO DISTRIBUTE THE SEED UNIFORM OVER THE AREA TO BE TREATED. COVER THE SEED LIGHTLY WITH 1/8 TO 1/4 INCH OF SOIL FOR SMALL SEED AND 1/2 TO 1 INCH FOR LARGE SEED WHEN USING A CULTIVATOR OR OTHER SUITABLE EQUIPMENT.

NO-TILL SEEDING: NO-TILL SEEDING IS PERMISSIBLE INTO ANNUAL COVER CROPS WHEN PLANTING IS DONE FOLLOWING MATURITY OF THE COVER CROP OR IF THE TEMPORARY COVER STAND IS SPARSE ENOUGH TO ALLOW ADEQUATE GROWTH OF THE PERMANENT (PERENNIAL) SPECIES. NO-TILL SEEDING SHALL BE DONE WITH APPROPRIATE NO-TILL SEEDING EQUIPMENT. THE SEED MUST BE UNIFORMLY DISTRIBUTED AND PLANTED AT THE PROPER DEPTH.

INDIVIDUAL PLANTS, SHRUBS, VINES AND SPRIGS MAY BE PLANTED WITH APPROPRIATE PLANTERS OR HAND TOOLS. PINE TREES SHALL BE PLANTED MANUALLY IN THE SUBSOIL FURROW. EACH PLANT SHALL BE SET IN A MANNER THAT WILL AVOID CROWDING THE ROOTS. NURSERY STOCK PLANTS SHALL BE PLANTED AT THE SAME DEPTH OR SLIGHTLY DEEPER THAN THEY GREW AT THE NURSERY. THE TOPS OF VINES AND SPRIGS MUST BE AT OR SLIGHTLY ABOVE THE GROUND SURFACE. WHEN INDIVIDUAL HOLES ARE DIG, FERTILIZER SHALL BE PLACED IN THE BOTTOM OF THE HOLE. TWO INCHES OF SOIL SHALL BE ADDED AND THE PLANT SHALL BE SET IN THE HOLE.

MULCHING

MULCH IS REQUIRED FOR ALL PERMANENT VEGETATION APPLICATIONS. MULCH APPLIED TO SEEDING AREAS SHALL ACHIEVE 75% SOIL COVER. SELECT THE MULCHING MATERIAL FROM THE FOLLOWING AND APPLY AS INDICATED.

DRY STRAW OR DRY HAY OF GOOD QUALITY AND FREE OF WEED SEEDS CAN BE USED. DRY STRAW SHALL BE APPLIED AT THE RATE OF 2 TONS PER ACRE. DRY HAY SHALL BE APPLIED AT A RATE OF 2 1/2 TONS PER ACRE.

WOOD CELLULOSE MULCH OR WOOD PULP FIBER SHALL BE USED WITH HYDRAULIC SEEDING. IT SHALL BE APPLIED AT THE RATE OF 500 POUNDS PER ACRE. DRY STRAW OR DRY HAY SHALL BE APPLIED (AT THE RATE INDICATED ABOVE) AFTER THE HYDRAULIC SEEDING.

ONE THOUSAND POUNDS OF WOOD CELLULOSE OR WOOD PULP FIBER, WHICH INCLUDES A TACKIFIER, SHALL BE USED WITH HYDRAULIC SEEDING ON SLOPES 4:1 OR STEEPER.

SERICCA LESPEDEZA HAY CONTAINING MATURE SEED SHALL BE APPLIED AT A RATE OF THREE TONS PER ACRE.

PINE STRAW OR PINE BARK SHALL BE APPLIED AT A THICKNESS OF 3 INCHES FOR BEDDING PURPOSES OTHER SUITABLE MATERIALS IN SUFFICIENT QUANTITY MAY BE USED WHERE DRY STRAW OR DRY HAY OR OTHER GROUND COVERS ARE PLANTED. THIS IS NOT APPROPRIATE FOR SEEDING AREAS.

WHEN USING TEMPORARILY EROSION CONTROL BLANKETS OR BLOCK SOD, MULCH IS NOT REQUIRED, BUT UNIFORM TREATMENT SHOULD BE APPLIED ON PLANTED AREAS OR SLOPES, IN DITCHES OR DRY WATERWAYS TO PREVENT EROSION. BUTYRINUS TREATED ROVING MAY BE APPLIED ON PLANTED AREAS OR SLOPES, IN DITCHES OR DRY WATERWAYS TO PREVENT EROSION. BUTYRINUS TREATED ROVING SHALL BE APPLIED WITHIN 24 HOURS AFTER AN AREA HAS BEEN PLANTED. APPLICATION RATES AND MATERIALS MUST MEET GEORGIA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS.

WOOD CELLULOSE AND WOOD PULP FIBERS SHALL NOT CONTAIN GERMINATION OR GROWTH INHIBITING FACTORS. THEY SHALL BE EVENLY DISPERSED WHEN AGITATED IN WATER. THE FIBERS SHALL CONTAIN A DYE TO ALLOW VISUAL METERING AND AID IN UNIFORM APPLICATION DURING SEEDING.

ANCHORING MULCH

STRAW OR HAY MULCH WILL BE SPREAD UNIFORMLY WITHIN 24 HOURS AFTER SEEDING AND/OR PLANTING. THE MULCH MAY BE SPREAD BY BLOWER TYPE SPREADING EQUIPMENT, OTHER SPREADING EQUIPMENT OR BY HAND. MULCH SHALL BE APPLIED TO COVER 75% OF THE SOIL SURFACE. WOOD CELLULOSE OR WOOD FIBER MULCH SHALL BE APPLIED UNIFORMLY WITH HYDRAULIC SEEDING EQUIPMENT.

ANCHORING MULCH

ANCHOR STRAW OR HAY MULCH IMMEDIATELY AFTER APPLICATION BY ONE OF THE FOLLOWING METHODS:

- MULCH CAN BE (A) SPRAYED UNIFORMLY ONTO THE MULCH AS IT IS EJECTED FROM THE BLOWER MACHINE OR (B) SPRAYED ON THE MULCH IMMEDIATELY FOLLOWING MULCH APPLICATION WHEN STRAW OR HAY IS SPREAD BY METHODS OTHER THAN SPECIAL BLOWER EQUIPMENT. THE COMBINATION OF ASPHALT EMULSION AND WATER SHALL CONSIST OF A. HOMOGENEOUS MIXTURE SATISFACTORY FOR SPRAYING. THE MIXTURE SHALL CONSIST OF 100 GALLONS OF WATER PER TON OF MULCH. CARE SHALL BE TAKEN AT ALL TIMES TO PROTECT STATE WATERWAYS, THE PUBLIC, ADJACENT PROPERTY, PAVERSMENTS, CURBS, SIDEWALKS AND OTHER STRUCTURES FROM ASPHALT DISCOLORATION. 2. HAY AND STRAW MULCH SHALL BE PRESSED INTO THE SOIL IMMEDIATELY AFTER THE MULCH IS SPREAD. A SPECIAL "PACKER DISK" OR DISK HARROW WITH THE DISKS SET STRAIGHT MAY BE USED. THE DISKS MAY BE SMOOTH OR SERRATED AND SHOULD BE 20 INCHES OR MORE IN DIAMETER AND 8 TO 12 INCHES APART. THE EDGES OF THE DISKS SHALL BE DULL ENOUGH TO BE PUSHED INTO THE GROUND WITHOUT CUTTING IT, LEAVING MUCH OFF IT IN AN UPRIGHT POSITION. MULCH SHALL NOT BE PLOWED INTO THE SOIL. 3. SYNTHETIC TACKIFIERS OR BINDERS APPROVED BY GDOT SHALL BE APPLIED IN CONJUNCTION WITH OR IMMEDIATELY AFTER THE MULCH IS SPREAD. SYNTHETIC TACKIFIERS SHALL BE MIXED AND APPLIED ACCORDING TO MANUFACTURER'S SPECIFICATIONS. REFER TO 1-TACKIFIERS AND BINDERS. 4. RYE OR WHEAT CAN BE INCLUDED WITH FALL AND WINTER PLANTINGS TO STABILIZE THE MULCH. THEY SHALL BE APPLIED AT A RATE OF ONE-QUARTER TO ONE-HALF BUSHEL PER ACRE. 5. PLASTIC MESH OR NETTING WITH MESH NO LARGER THAN ONE INCH BY ONE INCH MAY BE NEEDED TO ANCHOR STRAW OR HAY MULCH ON UNSTABLE SOILS AND CONCRETE FLOW AREAS. THESE MATERIALS SHALL BE INSTALLED AND ANCHORED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.

BEEDING MATERIAL: MULCH USED AS A BEDDING MATERIAL TO CONSERVE MOISTURE AND CONTROL WEEDS IN NURSERIES, ORNAMENTAL BEDS, ANNUAL SHRUBS, AND ON BARE AREAS ON LAWNS.

MATERIAL DEPTH

GRAIN STRAW	4" TO 6"
GRASS HAY	4" TO 6"
PINE NEEDLES	3" TO 5"
WOOD WASTE	4" TO 6"

IRRIGATION: IRRIGATION WILL BE APPLIED AT A RATE THAT WILL NOT CAUSE RUNOFF.

TOPDRESSING: WILL BE APPLIED ON ALL TEMPORARY AND PERMANENT (PERENNIAL) SPECIES PLANTED ALONE OR IN MIXTURES WITH OTHER SPECIES. RECOMMENDED RATES OF APPLICATION ARE LISTED IN TABLE 6-5.1.

SECOND YEAR AND MAINTENANCE FERTILIZATION: SECOND YEAR FERTILIZER RATES AND MAINTENANCE FERTILIZER RATES ARE LISTED IN TABLE 6-5.1.

LIME MAINTENANCE APPLICATION: APPLY ONE TON OF AGRICULTURAL LIME EVERY 4 TO 6 YEARS OR AS INDICATED BY SOIL TESTS. SOIL TESTS CAN BE CONDUCTED TO DETERMINE MORE ACCURATE REQUIREMENTS IF DESIRED.

	ANALYSIS OR EQUIVALENT N-P-K	N	TOP DRESSING RATE
1. COOL SEASON GRASSES	FIRST SECOND MAINTENANCE 6-12-12 10-10-10	1500 LBS./AC. 1000 LBS./AC. 400 LBS./AC.	50-100 LBS./AC. 1/ 2/ 30
2. COOL SEASON GRASSES AND LEGUMES	FIRST SECOND MAINTENANCE 6-12-12 0-10-10 0-10-10	1500 LBS./AC. 1000 LBS./AC. 400 LBS./AC.	0-50 LBS./AC. 1/ --
3. WARM SEASON GRASSES	FIRST SECOND MAINTENANCE 10-10-10 10-10-10	1300 LBS./AC. 3/ 1300 LBS./AC. 3/ 1100 LBS./AC.	-- --
4. PINE SEEDLING	FIRST MAINTENANCE 20-10-5	ONE 31-GRAM PELLET PER SEEDLING PLACED IN THE CLOSING HOLE	-- --
5. SHRUB LESPEDEZA	FIRST MAINTENANCE 0-10-10 0-10-10	700 LBS./AC. 700 LBS./AC. 4/	-- --
6. TEMPORARY COVER CROPS SEEDED ALONE	FIRST SECOND MAINTENANCE 10-10-10	500 LBS./AC.	30 LBS./AC. 5/
7. WARM SEASON GRASSES	FIRST SECOND MAINTENANCE 6-12-12 6-12-12 10-10-10	1500 LBS./AC. 800 LBS./AC. 400 LBS./AC.	50-100 LBS./AC. 2/ 6/ 50-100 LBS./AC. 2/ 30 LBS./AC.
8. WARM SEASON GRASSES AND LEGUMES	FIRST SECOND MAINTENANCE 6-12-12 6-12-12 0-10-10	1500 LBS./AC. 1000 LBS./AC. 400 LBS./AC.	50 LBS./AC. 6/

1/ APPLY IN SPRING FOLLOWING SEEDING.
2/ APPLY IN SPLIT APPLICATIONS WHEN HIGH RATES ARE USED.
3/ APPLY IN 3 SPLIT APPLICATIONS.
4/ APPLY WHEN PLANTS ARE PRUNED.
5/ APPLY TO GRASS SPECIES ONLY.
6/ APPLY WHEN PLANTS GROW TO A HEIGHT OF 2 TO 4 INCHES.

PLANNING CONSIDERATIONS

- USE CONVENTIONAL PLANTING METHODS WHERE POSSIBLE.
- WHEN MIXED PLANTINGS ARE DONE DURING MARGINAL PLANTING PERIODS, COMPANION CROPS SHALL BE USED.
- NO-TILL PLANTING IS EFFECTIVE WHEN PLANTING IS DONE FOLLOWING A SUMMER OR WINTER ANNUAL COVER CROP.
- BLOCK SOD PROVIDES IMMEDIATE COVER. IT IS ESPECIALLY EFFECTIVE IN CONTROLLING EROSION ADJACENT TO CONCRETE FLUMES AND OTHER STRUCTURES. REFER TO DISTURBED AREA STABILIZATION (WITH SOODING). IRRIGATION SHOULD BE USED WHEN THE SOIL IS DRY OR WHEN SUMMER PLANTINGS ARE DONE.
- LOW MAINTENANCE PLANTS, AS WELL AS NATIVES, SHOULD BE USED TO ENSURE LONG LASTING EROSION CONTROL.
- PLANTINGS SHOULD NOT BE PERFORMED DURING THE QUALI NESTING SEASON (MAY TO SEPT.). WILDLIFE PLANTINGS SHOULD BE INCLUDED IN CRITICAL AREA PLANTINGS. SEE MANUAL FOR PLANT LIST.

GRADING & SHAPING

GRADING AND SHAPING MAY NOT BE REQUIRED WHERE HYDRAULIC SEEDING AND FERTILIZING EQUIPMENT IS TO BE USED. VERTICAL BANKS SHALL SLOPED TO BE DONE. GRADE AND SHAPE WHERE FEASIBLE AND PRACTICAL SO THAT EQUIPMENT CAN BE USED SAFELY AND EFFECTIVELY DURING SEEDING PREPARATION, SEEDING, MULCHING AND MAINTENANCE OF THE VEGETATION. CONCENTRATIONS OF WATER THAT WILL CAUSE EXCESSIVE SOIL EROSION SHALL BE DIVERTED TO A SAFE OUTLET. DIVERSIONS AND OTHER TREATMENT PRACTICES SHALL CONFORM WITH THE APPROPRIATE STANDARDS AND SPECIFICATIONS.

LIME AND FERTILIZER APPLICATION

WHEN HYDRAULIC SEEDING EQUIPMENT IS USED, THE INITIAL FERTILIZER SHALL BE MIXED WITH SEED, INOCULANT (IF NEEDED), AND WOOD CELLULOSE OR WOOD PULP FIBER MULCH AND APPLIED IN A SLURRY. THE INOCULANT, IF NEEDED, SHALL BE MIXED WITH THE SEED PRIOR TO BEING PLACED INTO THE HYDRAULIC SEEDER. THE SLURRY MIXTURE WILL BE AGITATED DURING APPLICATION TO KEEP THE INGREDIENTS THOROUGHLY MIXED. THE MIXTURE WILL BE SPREAD UNIFORMLY OVER THE AREA WITHIN ONE HOUR AFTER BEING PLACED IN THE HYDROSEEDER.

FINELY GROUND LIMESTONE WILL BE MIXED WITH WATER AND APPLIED IMMEDIATELY AFTER MULCHING IS COMPLETED OR IN COMBINATION WITH THE TOP DRESSING. WHEN CONVENTIONAL PLANTING IS TO BE DONE, LIME AND FERTILIZER SHALL BE APPLIED UNIFORMLY IN ONE OF THE FOLLOWING WAYS:

- APPLY BEFORE LAND PREPARATION SO THAT IT WILL BE MIXED WITH THE SOIL DURING SEEDING PREPARATION.
- MIX WITH THE SOIL USED TO FILL THE HOLES, DISTRIBUTE IN FURROWS.
- BROADCAST AFTER STEEP SURFACES ARE SCARPED, FITTED OR TRENCHED.
- A FERTILIZER PELLET SHALL BE PLACED AT ROOT DEPTH IN THE CLOSING HOLE BESIDE EACH TREE SEEDLING.

PLANTS, PLANTING RATES, AND PLANTING DATES

SPECIES	BROADCAST RATES 1/ - PLS 2/ PER ACRE	RESOURCE AREA 3/	PLANTING DATES BY RESOURCE AREAS												REMARKS
			PLANTING DATES												
			J	F	M	A	M	J	J	A	S	O	N	D	
BAHIA, PERISCACOLA (PASPALUM NOTATUM)	60 LBS 1.4 LB	P													166,000 SEED PER POUND. LOW GROWING, SOIL FORMING, SLOW TO ESTABLISH. PLANT WITH A COMPANION CROP. WILL SPREAD TO SPARSE PASTURES AND LAWNS. MIX WITH SERICCA LESPEDEZA OR WEEPING LOVEGRASS.
BAHIA, WILMINGTON (PASPALUM NOTATUM)	60 LBS 1.4 LB	M-L													SAME AS ABOVE
BERMUDA, COMMON (CYNODON DACTYLON)	10 LBS 0.2 LB	P													1,787,000 SEED PER POUND. QUICK COVER, LOW GROWING AND SOO FORMING. FULL SUN. GOOD FOR ATHLETIC FIELDS.
BERMUDA, COMMON (CYNODON DACTYLON)	6 LBS 0.1 LB	P													PLANT WITH WINTER ANNUALS.
BERMUDA SPRIGS (CYNODON DACTYLON)	40 CU. FT. OR 0.9 CU. FT. SOD PLUGS 3' X 3'	M-L													A CUBIC FOOT CONTAINS APPROXIMATELY 650 SPRIGS. A BUSHEL CONTAINS 1.25 CUBIC FEET OR APPROXIMATELY 800 SPRIGS.
COASTAL, COMMON, OR TIFT 44		P													SAME AS ABOVE
COASTAL, COMMON, OR TIFT 44		C													SAME AS ABOVE
TIFT 78		C													SOUTHERN COASTAL PLAIN ONLY.
CENTPEDE (ERMOCLOA OPHUROIDES)	BLOCK SOD ONLY	P													DROUGHT TOLERANT. FULL SUN OR PARTIAL SHADE. EFFECTIVE ADJACENT TO CONCRETE AND IN CONCENTRATED FLOW AREAS. IRRIGATION IS NEEDED UNTIL WELL ESTABLISHED. DO NOT PLANT NEAR PASTURES. WINTERING AS FAR NORTH AS ATHENS AND ATLANTA.

PLANTS, PLANTING RATES, AND PLANTING DATES

SPECIES	BROADCAST RATES 1/ - PLS 2/ PER ACRE	RESOURCE AREA 3/	PLANTING DATES BY RESOURCE AREAS												REMARKS
			PLANTING DATES												
			J	F	M	A	M	J	J	A	S	O	N	D	
CROWN VETCH (CORONILLA VARIATA)	15 LBS 0.3 LB	M-L													100,000 SEED PER POUND. DENSE GROWTH, DROUGHT TOLERANT AND FIRE RESISTANT. ATTRACTIVE ROSE, PINK, AND WHITE BLOSSOMS. SPRINGS TO LATE FALL. MIX WITH 30 POUNDS OF TALL FESCUE OR 15 POUNDS OF RYE. INOCULATE SEED WITH N INOCULANT. USE FROM NORTH ATLANTA AND NORTHWARD.
FESCUE, TALL (FESTUCA ARUNDINACEA)	50 LBS 1.1 LB	M-L													227,000 SEED PER POUND. USE ALONE ONLY ON BETTER SITES, NOT FOR DROUGHTY SOILS. MIX WITH PERENNIAL LESPEDEZAS OR CROWN VETCH. APPLY TOPDRESSING IN SPRING FOLLOWING FALL PLANTINGS. NOT FOR HEAVY USE AREAS OR ATHLETIC FIELDS.
ALONE	30 LBS 0.7 LB	P													
WITH OTHER PERENNIALS															
LESPEDEZA SERICCA (LESPEDEZA CUNEATA)	60 LBS 1.4 LB	P													350,000 SEED PER POUND. WIDELY ADAPTED, LOW MAINTENANCE. MIX WITH WEEPING LOVEGRASS, COMMON BERMUDA, BAHIA, OR TALL FESCUE. TAKES 2 TO 3 YEARS TO BECOME FULLY ESTABLISHED. EXCELLENT ON ROADSIDE. INOCULATE SEED WITH EL INOCULANT.
UNSCARIFIED	75 LBS 1.7 LB	P													MIX WITH TALL FESCUE OR WINTER ANNUALS.
SEED-BEARING HAY	3 TONS 138 LBS.	P													CUT WHEN SEED IS MATURE, BUT BEFORE IT SHATTERS. ADD TALL FESCUE OR WINTER ANNUALS.

PLANTS, PLANTING RATES, AND PLANTING DATES

SPECIES	BROADCAST RATES 1/ - PLS 2/ PER ACRE	RESOURCE AREA 3/	PLANTING DATES BY RESOURCE AREAS												REMARKS
			PLANTING DATES												
			J	F	M	A	M	J	J	A	S	O	N	D	
LESPEDEZA VIRGATA (LESPEDEZA VIRGATA DC) OR LESPEDEZA CUNEATA (LUNMONT G. DON)	60 LBS 1.4 LB	M-L													300,000 SEED PER POUND. HEIGHT OF GROWTH IS 18 TO 24 INCHES. ADVANTAGEOUS IN URBAN AREAS. SPREADING-TYPE GROWTH. NEW GROWTH HAS BRONZE COLORATION. MIX WITH WEEPING LOVEGRASS, COMMON BERMUDA, BAHIA, TALL FESCUE OR WINTER ANNUALS. DO NOT MIX WITH SERICCA LESPEDEZA. SLOW TO DEVELOP SOLID STANDS. INOCULATE SEED WITH EL INOCULANT.
UNSCARIFIED	75 LBS 1.7 LB	M-L													PROVIDE WILDLIFE FOOD AND COVER
LESPEDEZA SHRUB (LESPEDEZA BICOLOR) (LESPEDEZA THUNBERGII)	3' X 3'	M-L													1,500,000 SEED PER POUND. QUICK COVER, DROUGHT TOLERANT, GROWS WELL WITH SERICCA LESPEDEZA ON ROADSIDE.
LOVEGRASS, WEEPING (ERAGRIS CURVILA)	4 LBS 0.1 LB	M-L													FOR VERY WET SITES. MAY CLOG CHANNELS. DIG SPIRES FROM LOCAL SOURCES. USE ALONG RIVER BANKS AND SHORELINES.
ALONE WITH OTHER PERENNIALS	2 LBS 0.05 LB	P													GROWS WELL ON COASTAL SAND DUNES, BLOWN AREAS, AND GRAVEL PITS. PROVIDES WINTER COVER FOR WILDLIFE. MIX WITH SERICCA LESPEDEZA EXCEPT ON SAND DUNES.
MAIDENCANE (PANICUM HEMITOMON)	2' X 3' SPACING	ALL													GROWS SIMILAR TO TALL FESCUE
SPRIGS	20 LBS 0.5 LB	P													
PANICGRASS, ATLANTIC COASTAL (PANICUM AMARUM VAR. AMARULLUM)	30 LBS 0.7 LB	M-L													
ALONE WITH OTHER PERENNIALS	50 LBS 1.1 LB	M-L													
SUNFLOWER 'AZTEC' (HELIANTHUS MAXIMILIAN)	10 LBS 0.2 LB	M-L													227,000 SEED PER POUND. MIX WITH WEEPING LOVEGRASS OR OTHER LOW-GROWING GRASSES OR LEGUMES.

PLANTS, PLANTING RATES, AND PLANTING DATES

SPECIES	BROADCAST RATES 1/ - PLS 2/ PER ACRE	RESOURCE AREA 3/	PLANTING DATES BY RESOURCE AREAS												REMARKS
			PLANTING DATES												
			J	F	M	A	M	J	J	A	S	O	N	D	
BAHIA, PERISCACOLA (PASPALUM NOTATUM)	60 LBS 1.4 LB	P													166,000 SEED PER POUND. LOW GROWING, SOIL FORMING, SLOW TO ESTABLISH. PLANT WITH A COMPANION CROP. WILL SPREAD TO SPARSE PASTURES AND LAWNS. MIX WITH SERICCA LESPEDEZA OR WEEPING LOVEGRASS.
BAHIA, WILMINGTON (PASPALUM NOTATUM)	60 LBS 1.4 LB	M-L													SAME AS ABOVE
BERMUDA, COMMON (CYNODON DACTYLON)	10 LBS 0.2 LB	P													1,787,000 SEED PER POUND. QUICK COVER, LOW GROWING AND SOO FORMING. FULL SUN. GOOD FOR ATHLETIC FIELDS.
BERMUDA, COMMON (CYNODON DACTYLON)	6 LBS 0.1 LB	P													PLANT WITH WINTER ANNUALS.
BERMUDA SPRIGS (CYNODON DACTYLON)	40 CU. FT. OR 0.9 CU. FT. SOD PLUGS 3' X 3'	M-L													A CUBIC FOOT CONTAINS APPROXIMATELY 650 SPRIGS. A BUSHEL CONTAINS 1.25 CUBIC FEET OR APPROXIMATELY 800 SPRIGS.
COASTAL, COMMON, OR TIFT 44		P													SAME AS ABOVE
COASTAL, COMMON, OR TIFT 44		C													SAME AS ABOVE
TIFT 78		C													SOUTHERN COASTAL PLAIN ONLY.
CENTPEDE (ERMOCLOA OPHUROIDES)	BLOCK SOD ONLY	P													DROUGHT TOLERANT. FULL SUN OR PARTIAL SHADE. EFFECTIVE ADJACENT TO CONCRETE AND IN CONCENTRATED FLOW AREAS. IRRIGATION IS NEEDED UNTIL WELL ESTABLISHED. DO NOT PLANT NEAR PASTURES. WINTERING AS FAR NORTH AS ATHENS AND ATLANTA.

PLANTS, PLANTING RATES, AND PLANTING DATES

SPECIES	BROADCAST RATES 1/ - PLS 2/ PER ACRE	RESOURCE AREA 3/	PLANTING DATES BY RESOURCE AREAS												REMARKS
			PLANTING DATES												
			J	F	M	A	M	J	J	A					