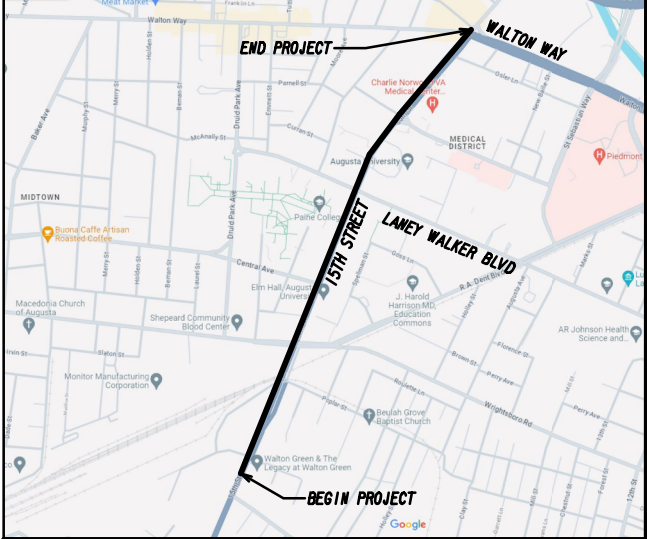




LOCATION SKETCH (N.T.S.)

MIDPOINT COORDINATE
STA. 131+32.50
N 1261981.8959
E 709331.1273

DESIGN DATA:
TRAFFIC ADT: 16,090 (2025)
TRAFFIC ADT: 17,700 (2045)
TRAFFIC DHV: 1560 (2045)
DIRECTIONAL DIST: 53%
% TRUCKS: 8.7%
24 HOUR TRUCKS %: 4.5%
SPEED DESIGN: 15TH STREET - 35 MPH

LOCATION & DESIGN
APPROVAL DATE:

FUNCTIONAL CLASSIFICATION:
URBAN PRINCIPAL ARTERIAL

PROJECT DESIGNATION:
EXEMPT

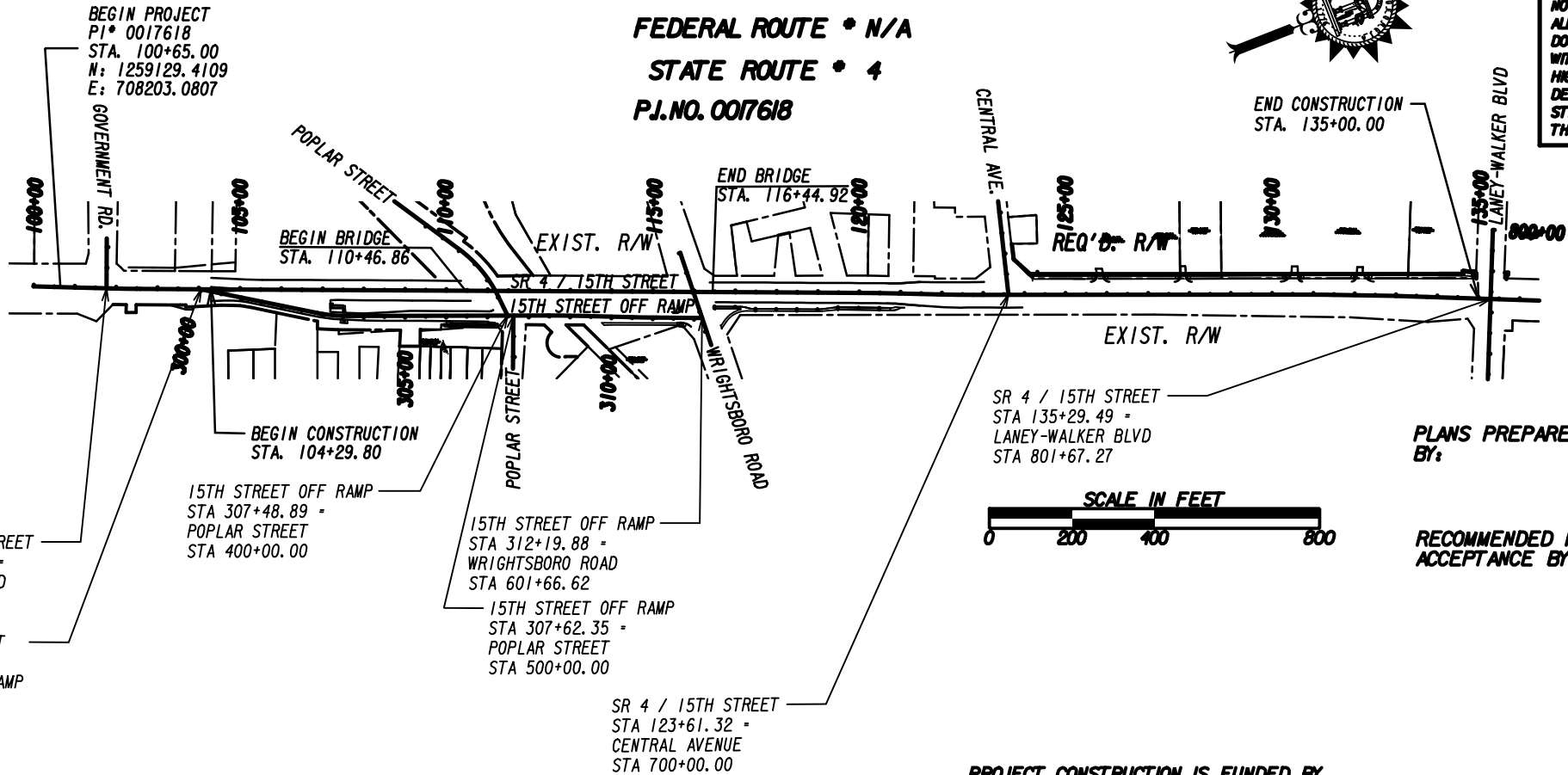
THIS PROJECT HAS BEEN PREPARED
USING THE HORIZONTAL GEORGIA
COORDINATE SYSTEM OF 1984 (NAD
1983/94 WEST ZONE, AND THE NORTH
AMERICAN VERTICAL DATUM (NAVD)
OF 1988.

THESE PLANS HAVE BEEN PREPARED IN ACCORDANCE WITH THE 2024 CONSTRUCTION STANDARDS
AND DETAILS BOOK AND ATTACHED APPLICABLE REVISIONS. THE 2024 CONSTRUCTION STANDARDS AND
DETAILS BOOK IS AVAILABLE AT: <http://mydoe.ddt.ga.gov/info/gdotpubs/ConstructionStandardsAndDetails/Forms/AllItems.aspx>. ANY REVISIONS CONTAINED WITHIN THIS PLAN SET SUPERSEDE THE 2024
CONSTRUCTION STANDARDS AND DETAILS BOOK WITH THEY REVISE OR IN WHICH THERE IS A
CONFLICT.

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

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

PLAN AND PROFILE OF PROPOSED SR 4 / 15TH STREET PEDESTRIAN IMPROVEMENTS FROM GOVERNMENT RD. TO LANEY WALKER BLVD. RICHMOND COUNTY TIA PROJECT



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



PLANS PREPARED
BY:

DESIGN

RECOMMENDED FOR
ACCEPTANCE BY:

CITY OF AUGUSTA DIRECTOR OF ENGINEERING



PROJECT CONSTRUCTION IS FUNDED BY
THE TRANSPORTATION INVESTMENT
ACT OF 2023. THIS PROJECT IS LOCATED
100% WITHIN RICHMOND COUNTY (245)
AND 100% WITHIN CONGRESSIONAL
DISTRICT NO. 12.

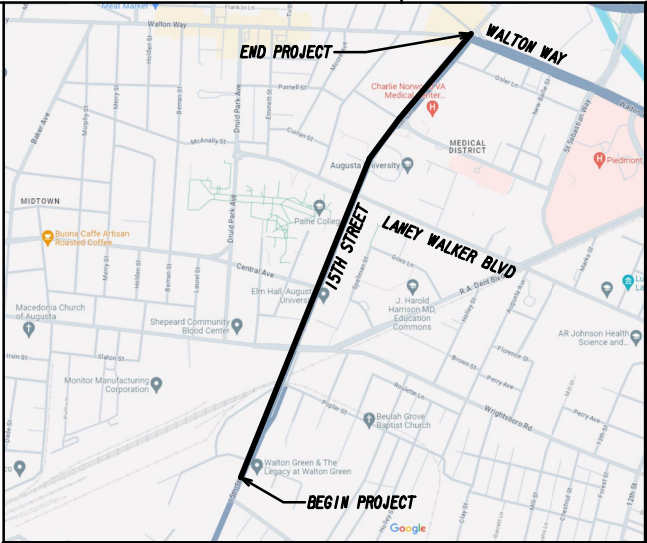
LENGTH OF PROJECT	
COUNTY No. 245 RICHMOND COUNTY	Project No. 0017618
	MILES
NET LENGTH OF ROADWAY	0.6771
NET LENGTH OF BRIDGES	0.000
NET LENGTH OF PROJECT	0.6771
NET LENGTH OF EXCEPTIONS	0.0397
GROSS LENGTH OF PROJECT	0.7168



PLANS COMPLETED	4/25/2024
REVISIONS	

DRAWING No.

01-0001A



LOCATION SKETCH (N.T.S.)

MIDPOINT COORDINATE
STA. 131+32.50
N 1261981.8959
E 709331.1273

DESIGN DATA:
TRAFFIC A.D.T.: 16,090 (2025)
TRAFFIC A.D.T.: 17,700 (2045)
TRAFFIC D.H.V.: 1560 (2045)
DIRECTIONAL DIST.: 53%
% TRUCKS: 8.7%
24 HOUR TRUCKS %: 4.5%
SPEED DESIGN: 15TH STREET - 35 MPH

LOCATION & DESIGN
APPROVAL DATE:

FUNCTIONAL CLASSIFICATION:
URBAN PRINCIPAL ARTERIAL

PROJECT DESIGNATION:
EXEMPT

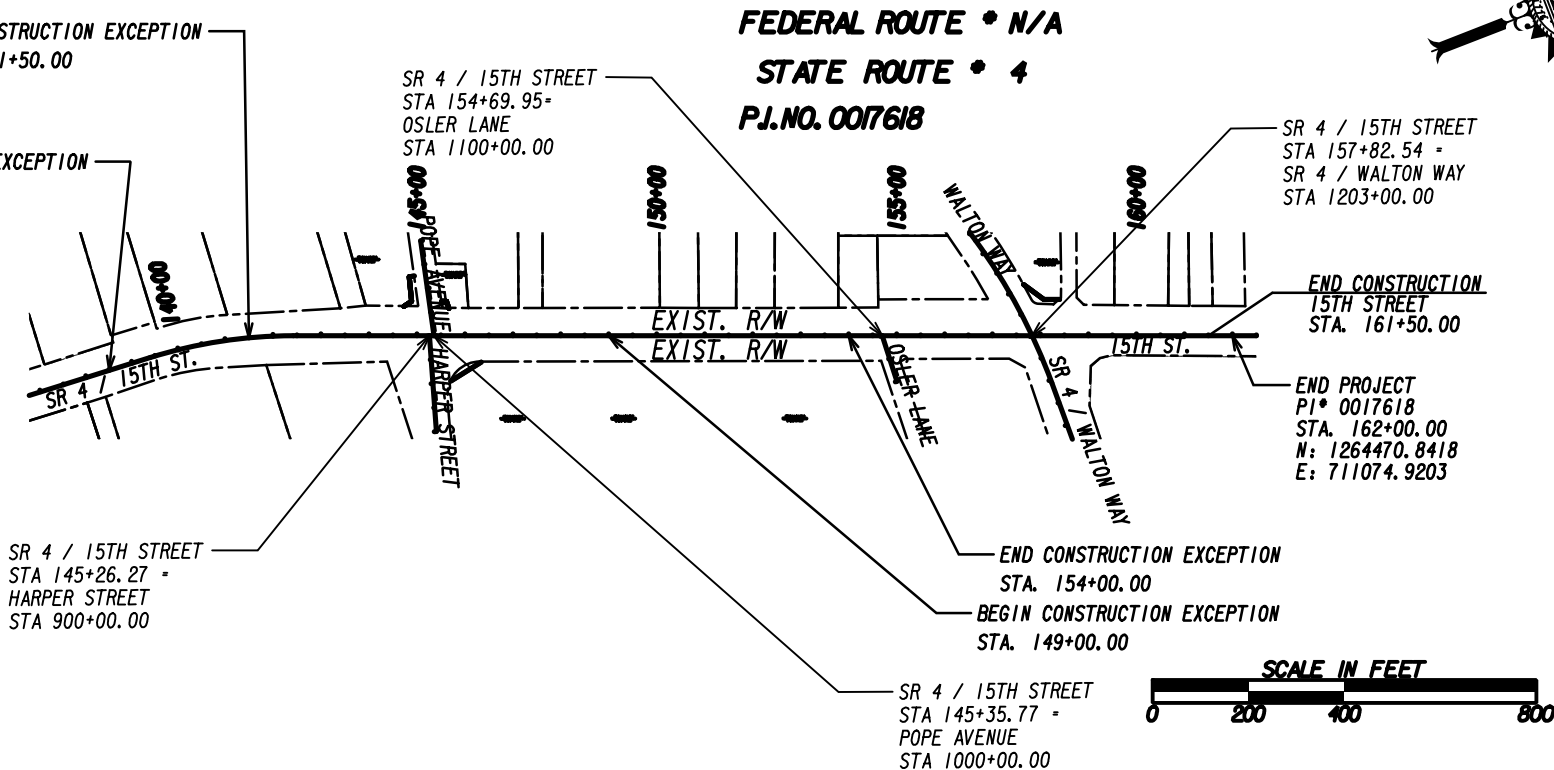
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SUBSECTIONS 102.04, 102.05, AND 104.03 OF THE SPECIFICATIONS.

END CONSTRUCTION EXCEPTION
STA. 141+50.00

BEGIN CONSTRUCTION EXCEPTION
STA. 138+50.00



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PLANS PREPARED
BY:

DESIGN

RECOMMENDED FOR
ACCEPTANCE BY:

CITY OF AUGUSTA DIRECTOR OF ENGINEERING



PROJECT CONSTRUCTION IS FUNDED BY
THE TRANSPORTATION INVESTMENT
ACT OF 2023. THIS PROJECT IS LOCATED
100% WITHIN RICHMOND COUNTY (245)
AND 100% WITHIN CONGRESSIONAL
DISTRICT NO. 12.

LENGTH OF PROJECT	COUNTY No. 245 RICHMOND COUNTY
	Project No. 0017618
	MILES
NET LENGTH OF ROADWAY	0.2936
NET LENGTH OF BRIDGES	0.000
NET LENGTH OF PROJECT	0.2936
NET LENGTH OF EXCEPTIONS	0.0947
GROSS LENGTH OF PROJECT	0.3883



PLANS COMPLETED	4/25/2024
REVISIONS	

DRAWING No.

01-0001B

DRAWING NO.		DESCRIPTION
GEORGIA STANDARDS		
STANDARD	DATE	DESCRIPTION
1033D	08/1982	CATCH BASINS (FOR USE WITH 6' OR 8' HT. CURB AND GUTTER)
9032B	07/2022	CONCRETE CURB AND GUTTER, CONCRETE CURBS, CONCRETE MEDIANS
9031L	09/2016	GRAVITY WALL TYPICAL SECTIONS, RAISING HEADWALL, AND TYPICAL PIPE PLUG
9031R	10/1988	PIPE HANDRAIL FOR RETAINING WALL PIPE HANDRAIL FOR CONCRETE STEPS
CONSTRUCTION DETAILS		
A-2	07/2011	CONCRETE VALLEY GUTTER AT STREET INTERSECTION
A-3	09/2016	CONCRETE SIDEWALK DETAILS CURB CUT (WHEELCHAIR) RAMPS
A-4	06/2009	DETECTABLE WARNING SURFACE TRUNCATED DOME SIZE, SPACING AND ALIGNMENT REQUIREMENTS
T-01	01/2000	SIGN PLATES
T-02	03/2000	DETAILS FOR TYPICAL SIGN FRAMING
T-03A	07/2002	TYPE 7, 8 AND 9 SQUARE TUBE POST INSTALLATION DETAIL
T-03B	07/2002	DETAILS OF SQUARE TUBE POST (BREAKAWAY SUPPORT)
T-05A	01/2003	DETAILS OF REGULATORY SIGNS (SHEET 1 OF 2)
T-05B	01/2000	DETAILS OF REGULATORY SIGNS (SHEET 2 OF 2)
T-05C	01/2000	DETAILS OF WARNING SIGNS
T-11A	09/2016	DETAILS OF PAVEMENT MARKING PLACEMENT ON NON-LIMITED ACCESS ROADWAY
T-11B	09/2016	DETAILS OF PAVEMENT MARKING PLACEMENT ON LIMITED ACCESS ROADWAY
T-12A	01/2000	DETAILS OF PAVEMENT MARKING ARROW LOCATION
T-12B	11/2020	PAVEMENT MARKINGS - ARROWS
T-14	11/2008	DETAILS OF PAVEMENT MARKING HATCHING
T-15A	09/2016	DETAILS OF RAISED PAVEMENT MARKER LOCATION NON-LIMITED ACCESS ROADWAY
T-15B	09/2016	DETAILS OF RAISED PAVEMENT MARKER LOCATION LIMITED ACCESS ROADWAY
T-15C	09/2011	DETAILS OF RAISED PAVEMENT MARKERS
EROSION DETAILS		
D-24A	09/2022	TEMPORARY SILT FENCE (SHEET 1 OF 4)
D-24C	09/2022	TEMPORARY SILT FENCE J-HOOKS, INLET SEDIMENT TRAPS (SHEET 3 OF 4)
D-41	11/2020	CONSTRUCTION EXIT
D-42	05/2008	INLET SEDIMENT TRAPS
D-54	04/2016	SOD INSTALLATION
EC-L1	03/2017	EROSION CONTROL LEGEND AND UNIFORM CODE SHEET (SHEET 1 OF 7)
EC-L2	11/2018	EROSION CONTROL LEGEND AND UNIFORM CODE SHEET (SHEET 2 OF 7)
EC-L3	03/2017	EROSION CONTROL LEGEND AND UNIFORM CODE SHEET (SHEET 3 OF 7)
EC-L4	03/2017	EROSION CONTROL LEGEND AND UNIFORM CODE SHEET (SHEET 4 OF 7)
EC-L5	03/2017	EROSION CONTROL LEGEND AND UNIFORM CODE SHEET (SHEET 5 OF 7)
EC-L6	11/2018	EROSION CONTROL LEGEND AND UNIFORM CODE SHEET (SHEET 6 OF 7)
EC-L7	03/2017	EROSION CONTROL LEGEND AND UNIFORM CODE SHEET (SHEET 7 OF 7)

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



[illegible]

REVISION DATES		

REVISION SUMMARY
15TH ST. PEDESTRIAN IMPROVEMENTS FROM
GOVERNMENT RD. TO LANEY WALKER BLVD.

CHECKED:		DATE:		DRAWING No. 03-0001
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		
VERIFIED:		DATE:		



1. THE CONTRACTOR SHALL ADHERE TO THE "CALL BEFORE YOU DIG" LAW BY CALLING THE UNDERGROUND PROTECTION CENTER BEFORE BEGINNING CONSTRUCTION.



UTILITY LOCATIONS BETWEEN GOVERNMENT ROAD AND CENTRAL AVENUE ARE BASED ON RECORD DRAWINGS AND MARK-UPS ONLY.

GEORGIA DOT WAS CONSTRUCTING GDOT PI 220680 AT THE TIME OF SURVEY AND MAY HAVE RELOCATED UTILITIES AS PART OF THAT PROJECT. THE CONTRACTOR SHALL COORDINATE WITH GEORGIA DOT FOR AS-BUILT DRAWINGS TO DETERMINE UTILITY LOCATIONS WITH THE OVERLAP BETWEEN PROJECT AREAS.

ALL THE FOLLOWING UTILITY OWNERS WERE REPORTED TO HAVE FACILITIES WITHIN THE VICINITY OF THIS PROJECT AT THE TIME OF THE SUE INVESTIGATION. UTILITIES FOUND WITHIN THE LOS AT THE TIME OF THE SUE INVESTIGATION ARE NOTED FOR EACH UTILITY OWNER LISTED AND ARE SHOWN ON THE PLANS HEREON.

REFER TO THE GENERAL CONTRACT CONDITIONS FOR THE UTILITY CONTACTS.

UTILITY OWNER	SERVICE
ATLANTA GAS LIGHT	GAS
AUGUSTA UTILITIES ENGINEERING	WATER & SEWER
COMCAST	CABLE TV
AUGUSTA TRAFFIC ENGINEERING	SIGNAL LOCATES
GEORGIA POWER ELECTRIC	ELECTRIC
AT&T	TELECOMMUNICATIONS
CROWN CASTLE	TELECOMMUNICATIONS
GEORGIA POWER NETWORK	TELECOMMUNICATIONS
LEVEL 3/LUMEN/CENTURY LINK	TELECOMMUNICATIONS
WIDE OPEN WEST OF AUGUSTA	TELECOMMUNICATIONS
UNITI PRIVATE NETWORKS, LLC	TELECOMMUNICATIONS

2. A NOTICE OF INTENT (N.O.I.) IS NOT REQUIRED FOR THIS PROJECT. THE TOTAL PROJECT AREA IS 21.08 ACRES. THE TOTAL DISTURBED AREA IS APPROXIMATELY 0.81 ACRES.

3. ALL DRIVEWAYS THAT ARE TO BE RECONSTRUCTED SHALL BE PLACED IN KIND I.E. ASPHALT FOR ASPHALT AND CONCRETE FOR CONCRETE. DRIVEWAY RELOCATIONS ARE SHOWN FROM THE BEST AVAILABLE DATA. THE CONTRACTOR SHALL CONSTRUCT NEW DRIVEWAYS TO MATCH THE ACTUAL FIELD LOCATION OF EXISTING DRIVEWAYS OR AS LOCATED IN THE PLANS. ALL DRIVES ARE TO BE PAVED TO RIGHT OF WAY LINE OR TIE DOWN POINT, WHICHEVER IS GREATER, UNLESS OTHERWISE NOTED. RESIDENTIAL DRIVES SHALL BE 14 FEET WIDE AT THE THROAT UNLESS NOTED OTHERWISE IN THE PLANS. COMMERCIAL DRIVES SHALL BE 24 FEET WIDE UNLESS NOTED OTHERWISE IN THE PLANS. DRIVES SHALL BE CONSTRUCTED USING:

ASPHALT - RESIDENTIAL - CONC VALLEY GUTTER, 6 IN
- RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME (165 LB/SY)

COMMERCIAL - CONC VALLEY GUTTER, 8 IN
- RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME (165 LB/SY)
- GR AGGR BASE CRS, INCL MATL, 6 IN

CONCRETE - RESIDENTIAL - CONC VALLEY GUTTER, 6 IN
- DRIVEWAY CONCRETE, 6 IN

COMMERCIAL - CONC VALLEY GUTTER, 8 IN
- DRIVEWAY CONCRETE, 8 IN
- GR AGGR BASE CRS, INCL MATL, 6 IN

4. ALL BORROW AND WASTE SITES FOR THIS PROJECT SHALL BE APPROVED BY AUGUSTA ENGINEERING DEPARTMENT PRIOR TO CONSTRUCTION ACTIVITIES OCCURRING IN THEM. ALL COMMON FILL OR EXCESS MATERIAL DISPOSED OUTSIDE THE PROJECT RIGHT OF WAY SHALL BE PLACED IN EITHER A PERMITTED SOLID WASTE FACILITY, A PERMITTED INERT WASTE LANDFILL OR IN AN ENGINEERED FILL. SEE SECTION 201 OF THE STANDARD SPECIFICATION AND SUPPLEMENTS THERETO FOR ADDITIONAL INFORMATION.
5. THERE IS NO SUITABLE PLACE TO BURY EXISTING CONSTRUCTION DEBRIS WITHIN THE PROJECT’S LIMITS. ALL CONSTRUCTION WASTE SHALL BE DISPOSED OF AT AUGUSTA SOLID WASTE FACILITY.
6. ALL EXISTING FENCE WITHIN THE PROJECT AREA SHALL BE REMOVED UNLESS OTHERWISE NOTED ON PLANS OR AS DIRECTED BY THE ENGINEER. THE COST FOR REMOVAL SHALL BE INCLUDED IN THE PRICE BID FOR GRADING COMPLETE.
7. ALL ABANDONED SEGMENTS OF SIDEWALKS AND PAVEMENT SHALL BE OBLITERATED AND LANDSCAPED AS SHOWN. COST FOR PAVEMENT AND SIDEWALK REMOVAL SHALL BE INCLUDED IN THE PRICE BID FOR GRADING COMPLETE.
8. THE CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE THROUGHOUT THE DURATION OF THE PROJECT.
9. ALL EXISTING PIPE SHALL REMAIN IN PLACE UNLESS OTHERWISE NOTED ON THE PLANS. ALL COSTS FOR PIPES TO BE REMOVED SHALL BE INCLUDED IN THE PRICE BID FOR GRADING COMPLETE.
10. TRAFFIC CONTROL - SHALL INCLUDE, BUT IS NOT LIMITED TO CONSTRUCTION, MAINTENANCE, AND REMOVAL OF TEMPORARY SIGNING AND PAVEMENT MARKINGS, BARRICADES, CHANNELIZING DEVICES, ETC. REQUIRED FOR MAINTENANCE OF TRAFFIC DURING CONSTRUCTION. ALL TEMPORARY SIGNING AND PAVEMENT MARKING SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES’ LATEST EDITION AND/OR AS DIRECTED BY THE ENGINEER.
11. THE CONTRACTOR SHALL NOT UTILIZE ANY AREA OUTSIDE OF THE RIGHT-OF-WAY OR EASEMENTS FOR STORAGE OR STAGING OF ANY EQUIPMENT OR CONSTRUCTION MATERIALS.
12. PRESSURE WASHING OF EXISTING PARAPETS AND SIDEWALK TO BE RETAINED ALONG 15TH STREET BRIDGE AND RAMP SHALL BE PERFORMED AT THE DIRECTION OF THE AUGUSTA ENGINEERING DEPARTMENT.
13. PEDESTRIAN RAMPS OVER 5% GRADE TO BE CONSTRUCTED IN ACCORDANCE WITH PUBLIC RIGHTS OF WAY ACCESSIBILITY GUIDELINES (PROWAG) R407 INCLUDING PIPE HANDRAILS (SEE GDOT STD 9031R).
14. THE CONTRACTOR SHALL VACUUM BORE FOUNDATIONS FOR MAST ARM POLES DUE TO PROXIMITY OF UTILITIES.
15. ALL AUGUSTA PUBLIC TRANSIT BUS STOPS MUST REMAIN ACCESSIBLE DURING CONSTRUCTION.
16. ALL ADA RAMPS AND SIDEWALKS WITHIN RADI1 TO BE CONSTRUCTED WITH 8" CONCRETE. THE COST FOR ADA RAMPS SHALL BE INCLUDED IN THE PRICE BID FOR 8" CONCRETE SIDEWALK.

17. GRADING COMPLETE SHALL INCLUDE ANY WORK WITHOUT A SPECIFIC PAY ITEM SUCH AS: REMOVAL AND DISPOSAL OF ALL MISCELLANEOUS ROAD ITEMS (I.E. DEMOLITION ITEMS). ADDITIONAL ITEMS SHALL BE INCLUDED IN THE ITEM OF GRADING COMPLETE, UNLESS OTHERWISE ESTABLISHED AS SEPARATE CONTRACT ITEMS, INCLUDING, BUT NOT LIMITED TO: REMOVAL/DEMOLITION OF PAVEMENT, REMOVAL/DEMOLITION OF CONCRETE SIDEWALKS AND DRIVEWAYS/VALLEY GUTTER, REMOVAL OF CURB AND GUTTER, REMOVAL OF ABANDONED DRAINAGE STRUCTURES, REMOVAL OF STREET SIGNS, AND ANY OTHER MISCELLANEOUS REMOVAL ITEMS WHETHER SHOWN IN THE PLANS OR NOT.
18. THE ITEMS OF GRADING COMPLETE SHALL ALSO INCLUDE OTHER MISCELLANEOUS ITEMS OF CONSTRUCTION NOT OTHERWISE SHOWN AS A SEPARATE PAY ITEM SUCH AS FINE GRADING, GENERAL CLEARING, CUT AND FILL, CONSTRUCTING SHOULDER AND SUBGRADE, FINISH GRADING, CONSTRUCTION LAYOUT, THE HAULING AND DISPOSAL OF UNDESIRABLE OR SURPLUS MATERIALS, REMOVING AND/OR RESETTNG IRRIGATION SPRINKLER HEADS, BONDS AND INSURANCE, ETC. REMOVE/RECONNECT WATER SERVICES, RECONNECT SANITARY SERVICES, REMOVE/REST SIGNS (TYPE VARIES), REMOVE/RESET WATER SPRINKLER SYSTEMS (COMPLETE), REMOVE/RESET WATER VALVES (SIZE VARIES), REMOVE/RESET YARD LAMPS (TYPE VARIES), ADJUSTING EXISTING DRAINAGE STRUCTURES WITHIN MILL & INLAY LIMITS TO GRADE NOT OTHERWISE CALLED OUT IN THE PLANS, OBLITERATING & PLUGGING EXISTING TRENCH DRAINS.
19. ALL REBAR NECESSARY FOR THE CONSTRUCTION OF WALLS SHALL BE INCLUDED IN THE BID PRICE FOR WALL CONCRETE. NO SEPARATE PAYMENT SHALL BE MADE FOR THIS WORK.
20. A QUANTITY OF FOUNDATION BACKFILL MATERIAL HAS BEEN QUANTIFIED TO BE USED AT DIRECTION OF THE ENGINEER IN LOCATIONS WHERE SOIL QUALITY IS NOT SUITABLE FOR CONSTRUCTING THE PROPOSED SHOULDER.

ENVIRONMENTAL RESOURCES IMPACT TABLE

RESOURCE NAME/TYPE		LOCATION			PERMITTED CONSTRUCTION ACTIVITY	SPECIAL PROVISION?	COMMENTS
		BEGINNING STA.	ENDING STA.	SIDE			
A-1	WALKER PROPERTY	OUTSIDE PLAN AREA		LT	NO ACTIVITY		
A-2	MCGINNIS OFFICE BUILDING	127+78	127+78	LT	CONSTRUCTION OF SIDEWALK, CONSTRUCTION AND MAINTENANCE OF SLOPES, CONSTRUCTION OF RETAINING WALL		THE CONTRACTOR SHALL ENSURE THAT NO CONSTRUCTION RELATED ACTIVITIES (SUCH AS THE USE OF EASEMENTS, STAGING, CONSTRUCTION, VEHICULAR USE, BORROW OR WASTE ACTIVITIES, SEDIMENT BASINS, AND TRAILER PLACEMENT), OTHER THAN THOSE SHOWN ON THE APPROVED PLANS, OCCUR WITHIN THE BOUNDARY OF THIS RESOURCE.
A-3	GEORGIA RAILROAD	307+47	309+38	RT	NO ACTIVITY		THE CONTRACTOR SHALL ENSURE THAT NO CONSTRUCTION RELATED ACTIVITIES (SUCH AS THE USE OF EASEMENTS, STAGING, CONSTRUCTION, VEHICULAR USE, BORROW OR WASTE ACTIVITIES, SEDIMENT BASINS, AND TRAILER PLACEMENT), OTHER THAN THOSE SHOWN ON THE APPROVED PLANS, OCCUR WITHIN THE BOUNDARY OF THIS RESOURCE.
A-4	PAINE COLLEGE HISTORIC DISTRICT	128+78	133+45	LT	CONSTRUCTION OF SIDEWALK, CONSTRUCTION AND MAINTENANCE OF SLOPES, CONSTRUCTION OF RETAINING WALL		THE CONTRACTOR SHALL ENSURE THAT NO CONSTRUCTION RELATED ACTIVITIES (SUCH AS THE USE OF EASEMENTS, STAGING, CONSTRUCTION, VEHICULAR USE, BORROW OR WASTE ACTIVITIES, SEDIMENT BASINS, AND TRAILER PLACEMENT), OTHER THAN THOSE SHOWN ON THE APPROVED PLANS, OCCUR WITHIN THE BOUNDARY OF THIS RESOURCE.
A-5	PROTECTED SPECIES	110+47	118+00	LT & RT	CONSTRUCTION SUCH THAT HARM TO LISTED SPECIES IS AVOIDED	107.23	THE CONTRACTOR SHALL ENSURE THAT NO CONSTRUCTION RELATED ACTIVITIES (SUCH AS THE USE OF EASEMENTS, STAGING, CONSTRUCTION, VEHICULAR USE, BORROW OR WASTE ACTIVITIES, SEDIMENT BASINS, AND TRAILER PLACEMENT), OTHER THAN THOSE SHOWN ON THE APPROVED PLANS, OCCUR WITHIN THE BOUNDARY OF THIS RESOURCE.
404 PERMITS AND VARIANCES (FROM SECTION D OF THE ECT)		EXPIRATION DATES (IF APPLICABLE) CONTACT GDOT QES 6 MONTHS PRIOR TO EXPIRATION, IF WORK WILL EXTEND BEYOND THIS DATE.					
NONE		N/A					

GENERAL NOTES - STANDARD SIGNS

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

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

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

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

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

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

5. SINGLE PLATE, HORIZONTAL RECTANGULAR SIGNS OVER 48 INCHES IN WIDTH SHALL BE MOUNTED ON TWO POSTS WITH 2 EACH 2 INCH x ½ INCH x (WIDTH OF SIGN) ALUMINUM OR GALVANIZED STEEL STRAPS. THE STRAPS SHALL BE FLUSH WITH THE BACK OF THE SIGN WITH ONE EACH ACROSS THE TOP AND BOTTOM OF THE SIGN. THE CENTERLINE OF EACH POST SHALL BE INSET 1/6TH OF THE SIGN WIDTH FROM THE EDGE OF THE SIGN. SIGN PLATE BOLT HOLES SHALL BE ¾ INCH DIAMETER, DRILLED OR PUNCHED, AS SHOWN ON THE SIGN PLATE DETAILS.

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

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

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

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

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

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

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

13. WHERE SIGNS WITHIN AN ASSEMBLY EXTEND BELOW THE STANDARD MOUNTING HOLES ON THE POST(S), ADDITIONAL ¾ INCH DIAMETER HOLE(S), DRILLED OR PUNCHED, SHALL BE REQUIRED TO PROPERLY MOUNT THE ASSEMBLY.

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

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

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

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

REVISION DATES

GENERAL NOTES
15TH ST. PEDESTRIAN IMPROVEMENTS FROM
GOVERNMENT RD. TO LANEY WALKER BLVD.

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DRAWING No.

04-0003

GENERAL NOTES - AUGUSTA UTILITIES DEPARTMENT

1. ALL CONSTRUCTION OF WATER DISTRIBUTION SYSTEMS AND WASTEWATER COLLECTION SYSTEM LINES SHALL BE IN ACCORDANCE WITH AUGUSTA UTILITIES DEPARTMENT (AUD) WATER & SANITARY SEWER SYSTEMS-DESIGN STANDARDS, CONSTRUCTION SPECIFICATIONS AND DETAILS (LATEST PUBLICATION)

2. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE EXACT LOCATION, SIZE, AND MATERIAL OF ANY EXISTING WATER OR SANITARY SEWER UTILITY PROPOSED FOR CONNECTION OR USE BY THE PROJECT.

3. CONTRACTOR SHALL CONTACT THE UTILITIES PROTECTION INC. "CALL BEFORE YOU DIG" SERVICE (811) IN ORDER TO LOCATE UTILITIES PRIOR TO STARTING ANY EXCAVATION OR CONSTRUCTION. THE LOCATIONS OF UNDERGROUND UTILITIES AS SHOWN ON PLANS ARE APPROXIMATE AS DETERMINED FROM EXISTING RECORDS.

4. THE CONTRACTOR SHALL COORDINATE THE WORK OF THE UTILITY COMPANIES.

5. THE AUGUSTA ENGINEERING DEPARTMENT (AED) SHALL BE NOTIFIED AT LEAST 48 HOURS (TWO WORKING DAYS) IN ADVANCE DURING REGULAR WORKING HOURS (8:30AM TO 5:00PM, MONDAY-FRIDAY, EXCLUDING AUGUSTA, GEORGIA HOLIDAYS) PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION ACTIVITY WITHIN AUGUSTA, GEORGIA RIGHT-OF-WAY. CONTACT AED AT (706-821-1706).

6. THE AUD ENGINEERING DIVISION SHALL BE NOTIFIED AT LEAST 48 HOURS (TWO WORKING DAYS) IN ADVANCE DURING REGULAR WORKING HOURS (8:30 AM TO 5:00 PM, MONDAYFRIDAY, EXCLUDING AUGUSTA, GEORGIA HOLIDAYS) PRIOR TO ANY CONSTRUCTION, TIE-INS, OR TESTING OF WATER OR WASTEWATER UTILITIES. NO WORK SHALL COMMENCE UNTIL CONTACT IS MADE WITH THE PROJECT'S AUD INSPECTIONS REPRESENTATIVE.

7. DISTURBANCE OF ANY SURVEY MARKERS OR MONUMENTS REQUIRES RE-ESTABLISHMENT BY A PROFESSIONAL LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE. DOCUMENTATION OF THE WORK MUST BE PRESENTED TO THE AUD ENGINEERING DIVISION BEFORE THE PROJECT IS COMPLETED.

8. ANY DISCREPANCIES, ERRORS, OR OMISSIONS DISCOVERED ON PLANS OR IN THE SPECIFICATIONS SHOULD BE NOTED ON THE CONTRACT PROPOSAL AND DOES NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY TO CORRECT THE SAME.

9. ALL CONCRETE SHALL AND HAVE MINIMUM 28-DAY STRENGTH OF 3,000 PSI.

10. IF A CONFLICT ARISES BETWEEN THE NEW WORK AND THE EXISTING WATER AND SEWER UTILITIES DURING THE COURSE OF CONSTRUCTION, IT WILL BE THE RESPONSIBILITY OF THE OWNER/DEVELOPER/CONTRACTOR, AT THEIR EXPENSE AND NOT AUD'S, TO CORRECT THE DISCREPANCY AS DIRECTED BY A REPRESENTATIVE OF AUD.

11. ALL EXISTING AUGUSTA ROAD STRUCTURES SUCH AS STORM MANHOLES, INLET BOXES, ETC., SHALL BE MAINTAINED AND OR ADJUSTED AS IS APPROPRIATE TO ENSURE PROPER USE.

12. ALL MATERIALS DEEMED SALVAGEABLE BY AUD ARE THE PROPERTY OF AUGUSTA, GEORGIA AND WILL BE REMOVED AND STORED ON SITE IN A SECURED AREA DETERMINED DURING CONSTRUCTION BY THE CONTRACTOR, AND AUGUSTA UTILITIES DEPARTMENT.

13. FOR PRIVATE DEVELOPMENTS, AUD SHALL NOT BE RESPONSIBLE FOR PAVEMENT PATCHING AND/OR REPLACEMENT AND THE SITE RESTORATION WHENEVER AUD PERFORMS REPAIR, REPLACEMENT OR INSTALLATION WORK.

14. IF AUD MUST REPAIR OR REPLACE UTILITIES ON THE WORK SITE, THEN THE RESPONSIBLE PARTY SHALL ARRANGE FOR ACCESS BY AUD AS REQUIRED TO REPAIR OR REPLACE THE UTILITY.

15. A MINIMUM (20') UTILITY EASEMENT CENTERED OVER ALL WATER LINES AND A MINIMUM 20' UTILITY EASEMENT CENTERED OVER ALL WASTEWATER LINES SHALL BE DEEDED TO AUGUSTA, GEORGIA AT COMPLETION AND ACCEPTANCE OF SAID LINES. EASEMENTS CONTAINING BOTH WATER AND SEWER SHALL BE 10' FROM THE CENTER OF THE UTILITY TO OUTSIDE OF THE EASEMENT, WHILE MAINTAINING MINIMUM SEPARATION REQUIREMENTS AS LISTED IN AUD'S WATER AND SANITARY SEWER SYSTEMS-DESIGN STANDARDS, CONSTRUCTION SPECIFICATIONS, AND DETAILS.

16. A RIGHT-OF-WAY ENCROACHMENT PERMIT SHALL BE OBTAINED FROM AED PRIOR TO COMMENCING ANY WORK WITHIN AN AUGUSTA, GEORGIA RIGHT-OF-WAY. THE UTILITIES ENCROACHMENT PERMIT MUST BE APPLIED FOR THROUGH AUD.

17. "A GEORGIA DOT RIGHT-OF-WAY ENCROACHMENT PERMIT MAY BE REQUIRED FOR WORK ON TEMPORARY OR PERMANENT STATE ROUTES. CONTACT AUD ENGINEERING DIVISION TO DETERMINE IF A PERMIT IS REQUIRED. THE UTILITIES ENCROACHMENT PERMIT MUST BE APPLIED FOR THROUGH AUD. CONDITIONS OF THE PERMIT MUST BE COMPLIED WITH FULLY. THE PERMIT MUST BE IN HAND A MINIMUM 24 HOURS NOTICE GIVEN TO GDOT PRIOR TO BEGINNING ANY WORK IN THE GDOT RIGHT-OF-WAY."

18. TRAFFIC CONTROL DEVICES SHALL MEET AND BE INSTALLED IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALSO, A TRAFFIC CONTROL/DETOUR PLAN SHALL BE SUBMITTED TO THE CITY ENGINEER FOR APPROVAL AS NOTED IN THE AUGUSTA-RICHMOND COUNTY, GEORGIA-RIGHTS OF WAY ENCROACHMENT GUIDELINES.

19. THE CONTRACTOR AND THE AUD REPRESENTATIVE SHALL HAVE A COPY OF THE AUGUSTA-RICHMOND COUNTY, GEORGIA-RIGHTS OF WAY ENCROACHMENT GUIDELINES DEVELOPMENT DOCUMENT *15, ADOPTED JUNE 1999, AMENDED AUGUST 2000, AMENDED JUNE 2021. THE REQUIREMENTS SET FORTH IN THIS DOCUMENT SHALL BE ADHERED TO AT ALL TIMES.

20. CLEARING AND GRUBBING SHALL BE AT THE CONTRACTOR'S DISCRETION, SUBJECT TO AUD APPROVAL, TO FACILITATE CONSTRUCTION.

21. THE IMPLEMENTATION OF BEST MANAGEMENT PRACTICES (BMP'S) FOR EROSION AND SEDIMENT CONTROL IN ACCORDANCE WITH THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA SHALL BE INSTALLED AND MAINTAINED AT ALL TIMES.



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04-0004

WATER NOTES - AUGUSTA UTILITIES DEPARTMENT

1. AN AUD INSPECTOR SHALL BE PRESENT OR SECTION LEFT UNCOVERED UNTIL INSPECTED BY THE INSPECTOR WHEN A TAP, TIE-IN OCCURS, RESTRAINED JOINTS ARE INSTALLED, BENDS, FITTINGS, FIRE HYDRANTS, VALVES AND PRESSURE TESTING. CONTRACTOR IS TO PROVIDE AT LEAST 48 HOUR NOTICE (TWO WORKING DAYS) IN ADVANCE DURING REGULAR WORKING HOURS (8:30 AM TO 5:00 PM, MONDAY-FRIDAY, EXCLUDING AUGUSTA, GEORGIA HOLIDAYS).

2. ALL PVC WATER LINES SHALL BE A MINIMUM DR-18 PVC MEETING AMWA C-900 AND/OR C-905, UNLESS OTHERWISE SHOWN OR SPECIFIED.

3. ALL DIP WATER LINES SHALL BE CLASS 350 FOR LINES 16" DIAMETER AND SMALLER, AND CLASS 300 FOR LINES 18" DIAMETER THROUGH 24" DIAMETER, UNLESS OTHERWISE SPECIFIED OR SHOWN.

4. ALL NEW WATER LINES SHALL BE INSTALLED PER PIPELINE MANUFACTURER RECOMMENDATIONS.

5. ALL WATER LINES SHALL BE TESTED, CHLORINATED, AND CHECKED FOR BACTERIA PER AUD'S WATER & SANITARY SEWER SYSTEMS-DESIGN STANDARDS, CONSTRUCTION SPECIFICATIONS AND DETAILS.

6. COPPER WIRE (12-GAUGE, INSULATED, SINGLE STRAND) SHALL BE ATTACHED ALONG TOP OF ALL BURIED WATER LINES, WRAPPED AROUND SERVICE CORPORATIONS AND BROUGHT UP ON THE OUTSIDE OF ALL VALVE BOXES, STUBBING OUT AT THE TOP TO FACILITATE TRACEABILITY. THIS WIRE SHALL BE PROPERLY SPLICED WITH A WATER PROOF CONNECTOR FOR ELECTRICAL CONNECTIVITY, AND THEN INSULATED TO PROTECT AGAINST CORROSION. (REFERENCE AUD DETAILS WHEN APPLICABLE).

7. DETECTOR TAPE SHALL BE 4 INCHES WIDE AND PLACED 2 FEET ABOVE PIPE. ADD SIMILAR DEVICE TO CONDUIT PER AUD DETAIL 3.6.

8. ALL WATER VALVES ON THE MAIN LINES, INCLUDING HYDRANT LATERALS, SHALL BE OPEN-LEFT IF INSTALLED SOUTH OF GORDON HIGHWAY (S.R. 10), OR OPEN-RIGHT IF INSTALLED NORTH OF GORDON HIGHWAY.

9. THE CONTRACTOR SHALL FURNISH, INSTALL, AND MAINTAIN A METER BOX AT THE TERMINATION POINT OF ALL WATER SERVICES. METER BOXES WILL IN NO WAY BE PLACED UNDER DRIVEWAYS. METER BOXES WILL PREFERABLY BE LOCATED IN THE CENTER OF THE LOT AND WITHIN 1' INSIDE OF THE R/W, AND MAINTAINED BY THE CONTRACTOR UNTIL SUCH TIME THE METER IS INSTALLED.

10. WATER SERVICES SHALL HAVE MINIMUM DIAMETER OF 1 INCH (REFERENCE AUD DETAILS WHEN APPLICABLE).

11. ANY EXISTING WATER SERVICE LINES WHICH ARE EXTENSIONS OFF AN EXISTING WATER MAIN TO BE ABANDONED DISCOVERED DURING CONSTRUCTION SHALL BE REPLACED. THESE NEW SERVICE LINES ARE TO TIE INTO THE NEW WATER MAIN AND BE RECONNECTED TO THE EXISTING WATER METER.

12. ALL EXISTING WATER SERVICES SHALL BE EXTENDED AND METER BOXES RELOCATED AS REQUIRED BEYOND THE LIMITS OF CONSTRUCTION. THE SERVICES SHALL BE CONNECTED TO THE NEW WATER MAIN AFTER SAID MAIN HAS BEEN STERILIZED, PRESSURE TESTED AND PUT INTO SERVICE. IN THE EVENT THAT THE SERVICE LINE IS NOT ACTIVE, A NEW WATER SERVICE WILL BE REQUIRED TO BE CONSTRUCTED.

13. ALL WATER METERS SHALL BE PURCHASED FROM AUD CONSTRUCTION AND MAINTENANCE DIVISION.

14. THE DEVELOPER/CONTRACTOR SHALL LOCATE WATER SERVICES AND VALVES BY ETCHING A "W" FOR THE WATER SERVICE AND A "V" FOR A VALVE IN THE CURB OR IN THE PAVEMENT IF NO CURB IS AVAILABLE, AND HIGHLIGHT THE ETCHING WITH BLUE PAINT PER THE APWA UNIFORM COLOR CODE. IN THE EVENT THAT THE VALVE IS LOCATED BEHIND THE CURB OR PAVEMENT, INVERT THE "V" MARKING SO THAT IT POINTS TO THE VALVE OUTSIDE THE ROADWAY.

15. FIRE HYDRANTS ARE TO BE LOCATED A MINIMUM OF ONE FOOT INSIDE EXISTING RIGHT-OF-WAY WITH A 3 FOOT RADIUS CLEARANCE.

16. EXISTING FIRE HYDRANTS AND METERS THAT ARE REMOVED SHALL BE TURNED OVER TO AUD.

17. PER AUD'S WATER & SANITARY SEWER SYSTEMS-DESIGN STANDARDS, CONSTRUCTION SPECIFICATIONS AND DETAILS:

A. FOR BACKFLOW INSTALLATIONS FOR NON-RESIDENTIAL DEVELOPMENT, A MINIMUM "DOUBLE-CHECK" BACKFLOW-PREVENTION DEVICE SHALL BE INSTALLED ON THE CUSTOMER'S SIDE OF ALL SERVICES.

B. FIRE LINES REQUIRE A MINIMUM "DOUBLE DETECTOR" BACKFLOW DEVICE.

C. FOR BACKFLOW INSTALLATIONS FOR RESIDENTIAL DEVELOPMENTS, A "DUAL CHECK" BACKFLOW DEVICE SHALL BE INSTALLED ON THE CUSTOMER'S SIDE OF THE SERVICE LINE AT THE POINT OF TIE-IN TO THE WATER METER.

D. FOR SOME MEDIUM HAZARD TO HIGH HAZARD LOCATIONS, A REDUCED PRESSURE ZONE (RPZ) BACKFLOW DEVICE WILL BE REQUIRED.

18. BACKFLOW DEVICES SHALL BE TESTED BY A CERTIFIED PERSON WITHIN FIVE (5) WORKING DAYS OF INSTALLATION AND THE RESULTS FURNISHED TO THE AUD BACK FLOW INSPECTOR WITHIN 10 WORKING DAYS OF INSTALLATION PRIOR TO ANY WATER USE. AUD SHALL BE NOTIFIED PRIOR TO TESTING CONTACT THE AUGUSTA UTILITIES BACK FLOW INSPECTOR AT 706-722-1639.

REVISION DATES

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04-0005

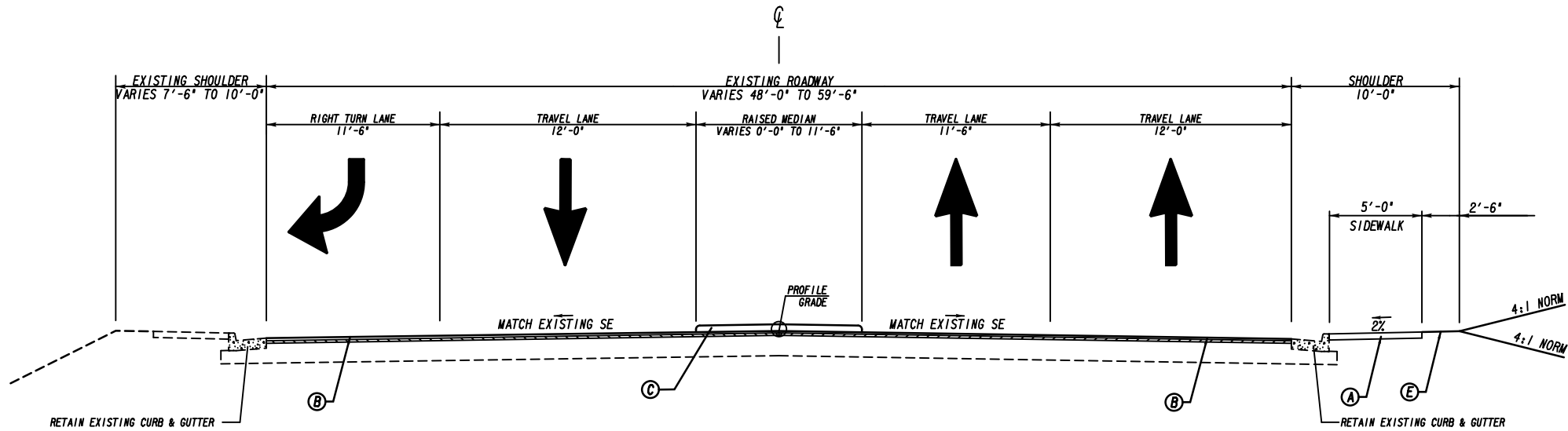
SEWER NOTES - AUGUSTA UTILITIES DEPARTMENT

1. AN AUD INSPECTOR SHALL BE PRESENT OR SECTION LEFT UNCOVERED UNTIL INSPECTED BY THE INSPECTOR WHEN A CORE, TAP, TIE-IN OCCURS, MANHOLE INSTALLED, AND ALL REQUIRED TESTING. CONTRACTOR IS TO PROVIDE AT LEAST 48 HOUR NOTICE (TWO WORKING DAYS) IN ADVANCE DURING REGULAR WORKING HOURS (8:30 AM TO 5:00 PM, MONDAY-FRIDAY, EXCLUDING AUGUSTA, GEORGIA HOLIDAYS).
2. THE CONTRACTOR IS TO VERIFY THE INVERT ELEVATIONS (I.E.) OF EXISTING PIPES PRIOR TO BEGINNING CONSTRUCTION.
3. SEWER FORCE MAIN SHALL BE PVC DR-18 C-900 OR C-905 AS APPLICABLE OR DIP CLASS 350, EPOXY LINED.
4. ALL NEW SEWER LINES SHALL BE INSTALLED PER PIPELINE MANUFACTURER REQUIREMENTS.
5. COPPER WIRE (12-GAUGE, INSULATED, SINGLE STRAND) SHALL BE ATTACHED ALONG TOP OF ALL BURIED SEWER LINES TO FACILITATE TRACEABILITY. THE WIRE SHALL RUN ALONG THE TOP OF THE MAIN AND ALONG INDIVIDUAL SERVICE LINES AND BROUGHT UP ON THE OUTSIDE OF ALL MANHOLES, CLEANOUTS, OR OTHER ABOVE GROUND FEATURES STUBBING OUT AT THE TOP FOR LOCATING PURPOSES. THIS WIRE SHALL BE PROPERLY SPLICED WITH A WATER PROOF CONNECTOR FOR ELECTRICAL CONNECTIVITY, AND THEN INSULATED TO PROTECT AGAINST CORROSION. (REFERENCE AUD DETAILS WHEN APPLICABLE).
6. DETECTOR TAPE SHALL BE 4 INCHES WIDE AND PLACED 2 FEET ABOVE PIPE ADD SIMILAR DEVICE TO CONDUIT PER AUD DETAIL 3.6.
7. ALL TIE-INS TO EXISTING MANHOLES SHALL BE CORED UNLESS OTHERWISE APPROVED BY AUD INSPECTOR.
8. ALL MANHOLES REQUIRE "K OR N SEAL" OR EQUAL, RUBBER BOOTS, UNLESS OTHERWISE APPROVED BY AUD INSPECTOR.
9. NO CONNECTION SHALL BE MADE TO EXISTING WASTEWATER LINES UNTIL THE PROPOSED LINE IS INSPECTED AND APPROVED BY AUD'S ENGINEERING DIVISION.
10. ALL WASTEWATER MANHOLES SHALL HAVE AN ELEVATION DROP OF 0.2 FOOT ACROSS THE INLET AND OUTLET INVERTS.
11. WASTEWATER CLEAN-OUTS SHALL BE INSTALLED AT ALL INDIVIDUAL SERVICES AS SHOWN IN AUD-DETAILS, AND SHALL NOT BE INSTALLED UNDER DRIVEWAYS OR ANY PAVED AREAS WITHOUT PRIOR APPROVAL FROM AUD.
12. SERVICE LINES TO SANITARY SEWER MAIN SHALL BE BEDDED PER THESE AUD SPECIFICATIONS AND AUD DETAILS.
13. MAXIMUM SANITARY SEWER INFILTRATION SHALL NOT EXCEED 100 GPD/INCH OF PIPE DIAMETER PER MILE.
14. THE CONTRACTOR SHALL LOCATE SANITARY SEWER SERVICES BY ETCHING AN "S" IN THE CURB OR IN THE PAVEMENT IF NO CURB IS AVAILABLE, AND HIGHLIGHT THE ETCHING WITH GREEN PAINT PER THE APWA UNIFORM COLOR CODE.
15. FINISHED FLOOR ELEVATIONS OF ALL PROPOSED BUILDINGS SHALL BE A MINIMUM OF FIVE (5) FEET ABOVE THE INVERT ELEVATION OF THE WASTEWATER MAIN OR MANHOLE AT THE POINT OF TIE-IN. IN INSTANCES WHERE THIS IS NOT POSSIBLE, A BACKWATER VALVE SHALL BE INSTALLED IN THE SEWER SERVICE.

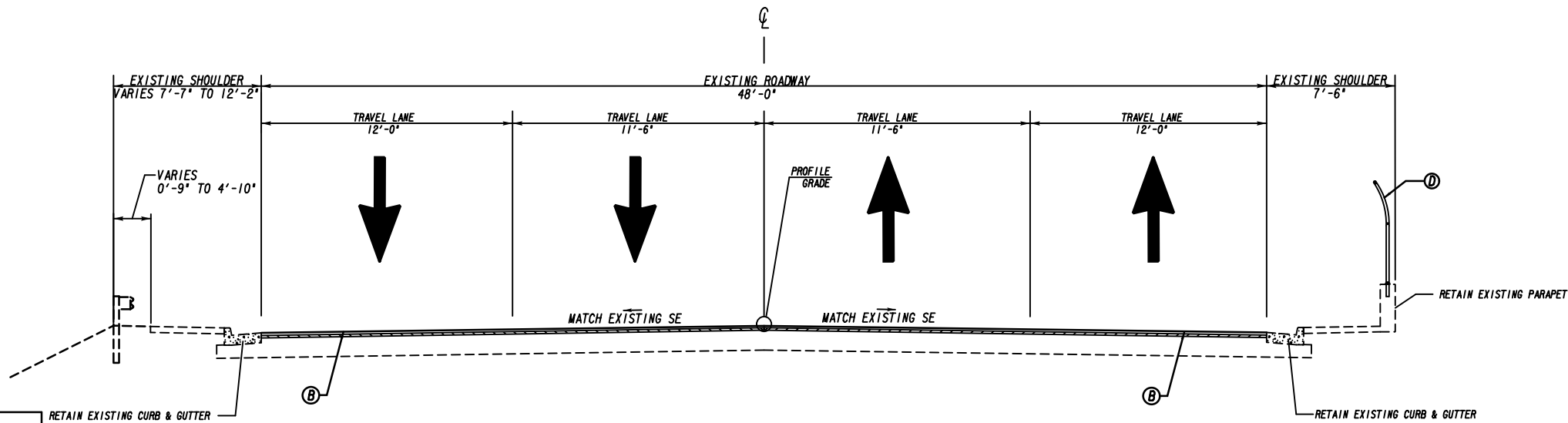
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TYPICAL SECTION 1
15TH STREET
STA. 104+29.80 TO STA. 104+95.78



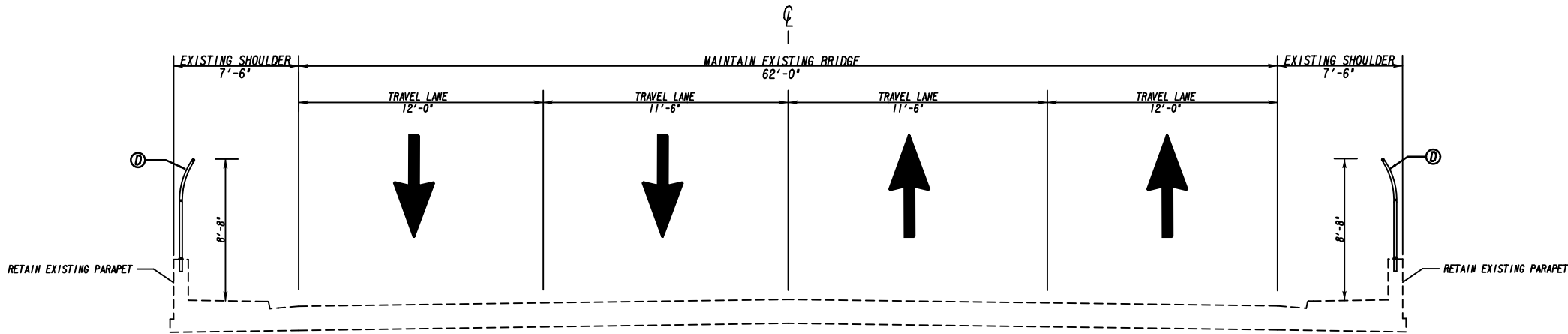
TYPICAL SECTION 2
15TH STREET
STA. 104+95.78 TO STA. 110+46.86

PAVEMENT SECTION	
Ⓐ	CONC. SIDEWALK, 4 IN
Ⓑ	MILL AND INLAY 1 1/2 IN DEPTH, RECYCLED ASPH CONC 12.5mm SUPERPAVE, GP 2 ONLY INCL BITUM MATL & H LIME (165 LB/SY)
Ⓒ	CONC. INTEGRAL MEDIAN WITH TIE BAR, 6 IN
Ⓓ	PARAPET FENCE (SEE 05-005)
Ⓔ	SOD

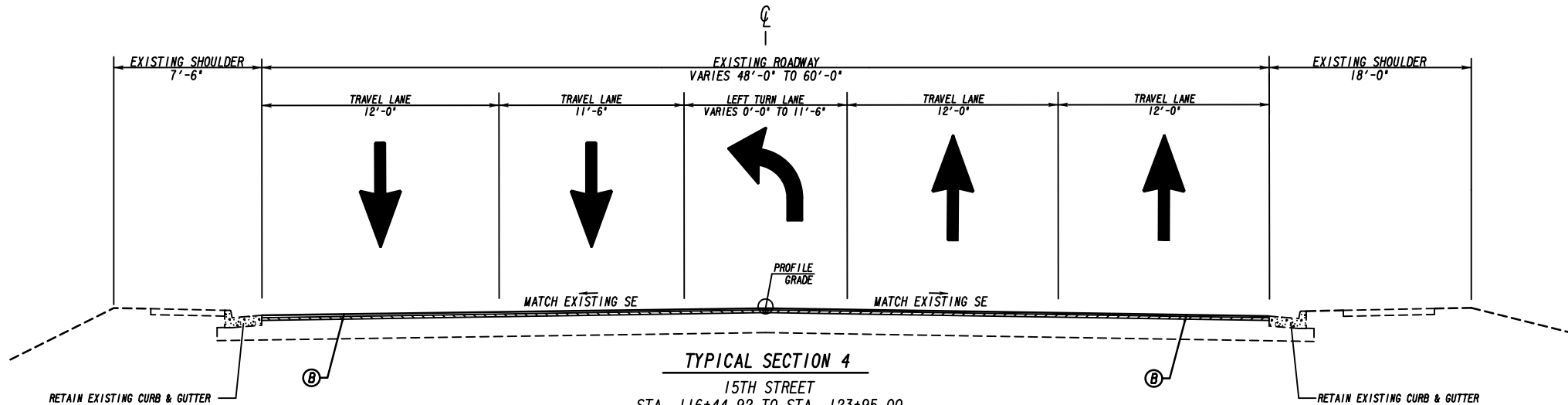


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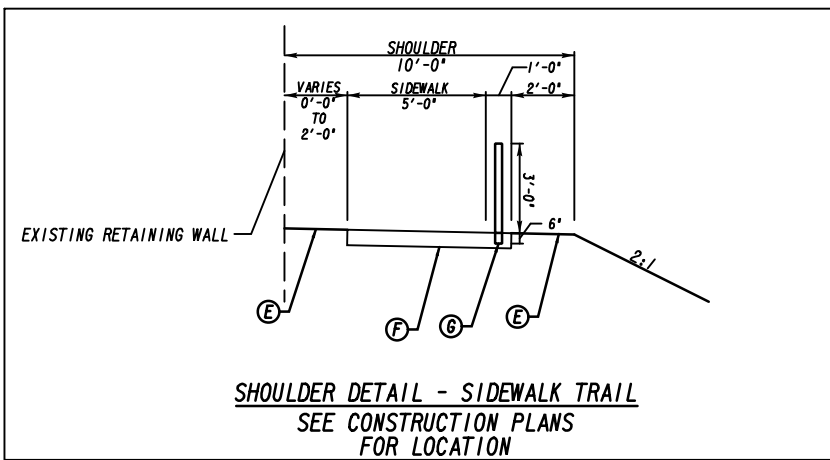
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TYPICAL SECTION 3
15TH STREET BRIDGE
STA. 110+46.86 TO STA. 116+44.92

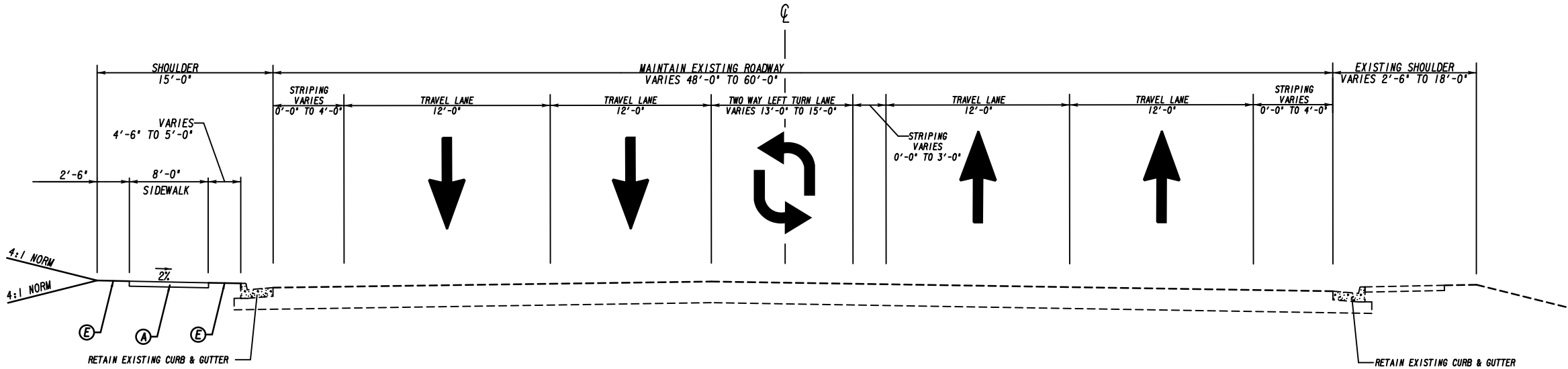


TYPICAL SECTION 4
15TH STREET
STA. 116+44.92 TO STA. 123+95.00

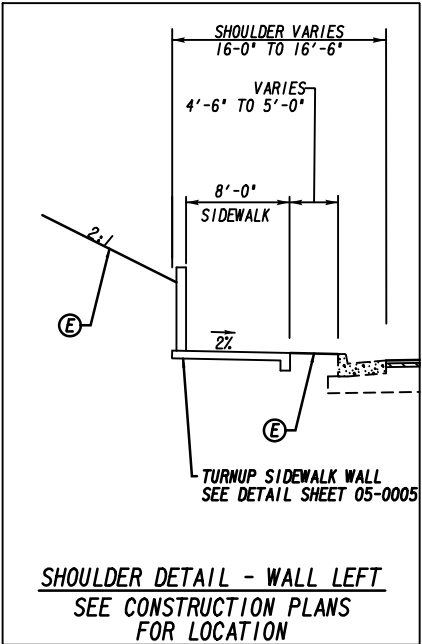


STA 119+48.52 TO STA. 121+10.26

PAVEMENT SECTION	
Ⓐ	CONC. SIDEWALK, 4 IN
Ⓑ	MILL AND INLAY 1 1/4 IN DEPTH, RECYCLED ASPH CONC 12.5mm SUPERPAVE, GP 2 ONLY INCL BITUM MATL & H LIME (165 LB/SY)
Ⓒ	CONC. INTEGRAL MEDIAN WITH TIE BAR, 6 IN
Ⓓ	PARAPET FENCE (SEE 05-005)
Ⓔ	SOD
Ⓕ	CONC. SIDEWALK, 8 IN
Ⓖ	PIPE HANDRAIL (GA STD. 9031R)



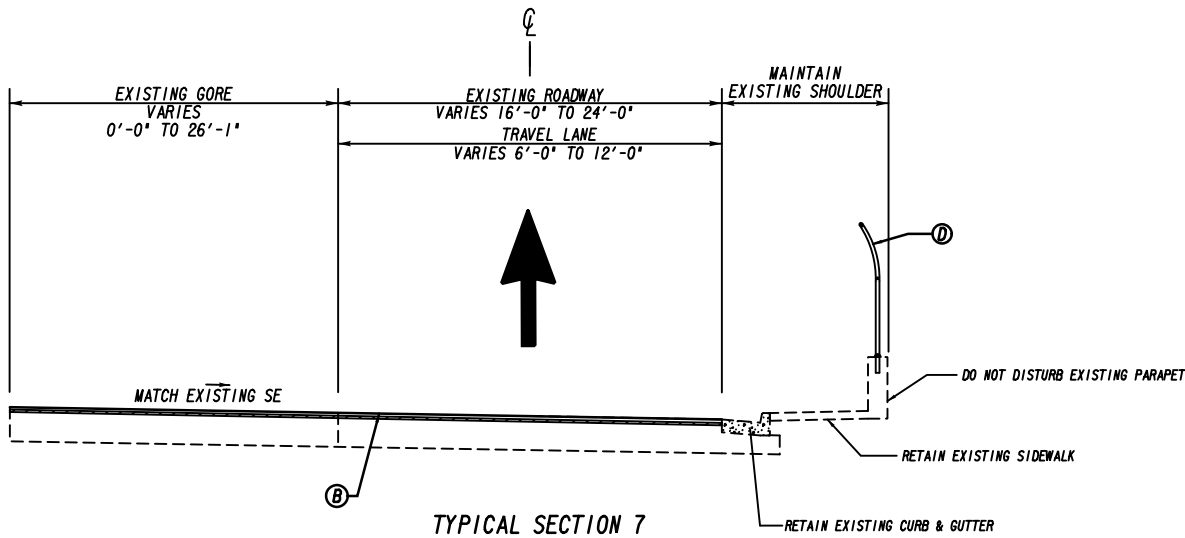
TYPICAL SECTION 5
15TH STREET
STA. 123+95.00 TO STA. 134+93.91



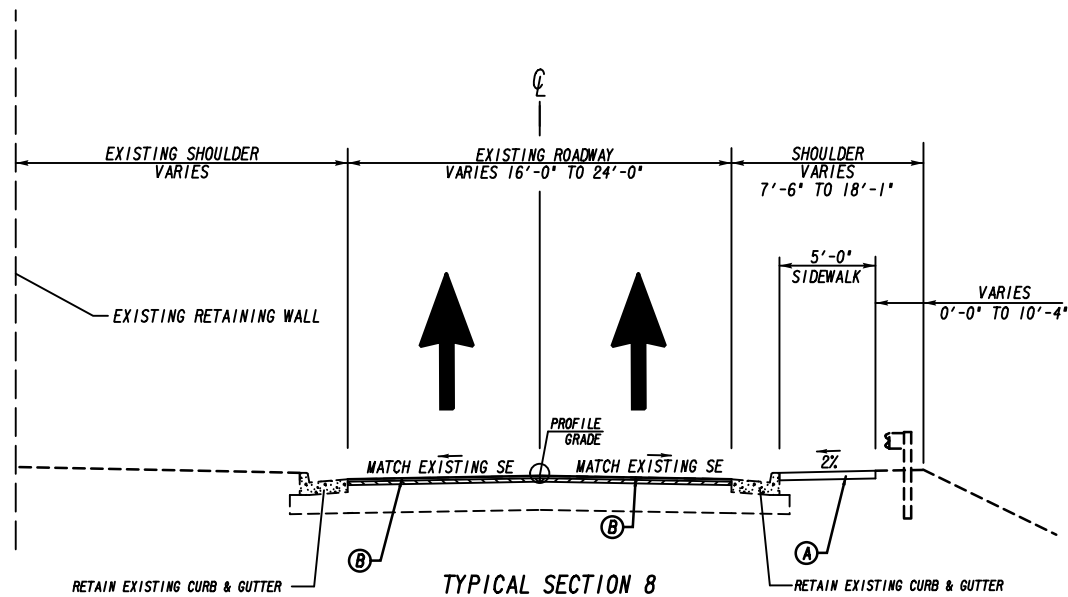
PAVEMENT SECTION	
(A)	CONC. SIDEWALK, 4 IN
(B)	MILL AND INLAY 1 1/2 IN DEPTH, RECYCLED ASPH CONC 12.5mm SUPERPAVE, GP 2 ONLY INCL BITUM MATL & H LIME (165 LB/SY)
(C)	CONC. INTEGRAL MEDIAN WITH TIE BAR, 6 IN
(D)	PARAPET FENCE (SEE 05-005)
(E)	SOD

NOT TO SCALE

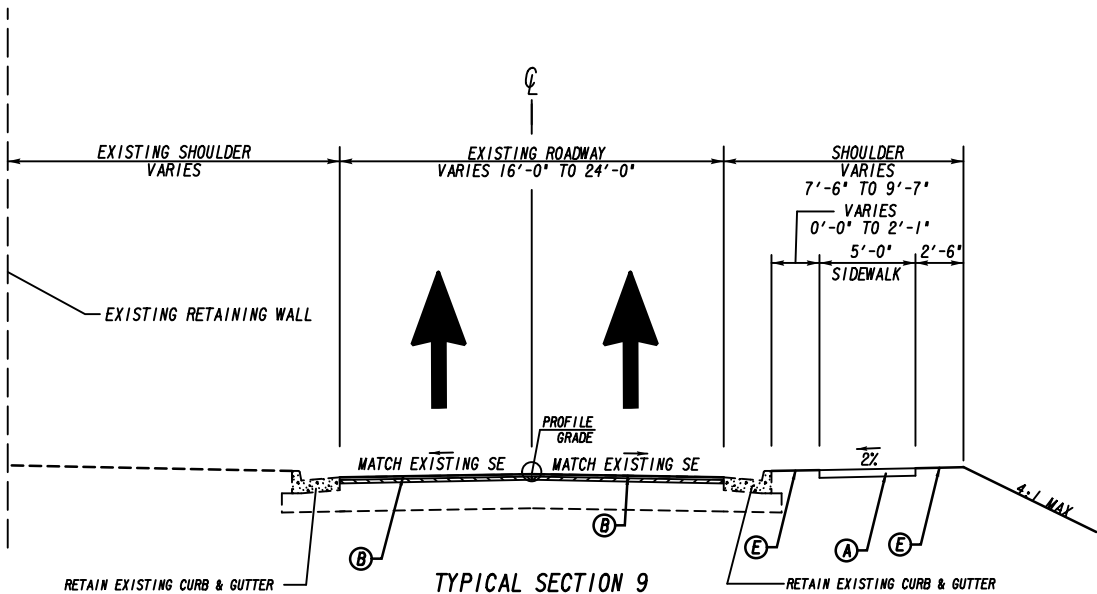
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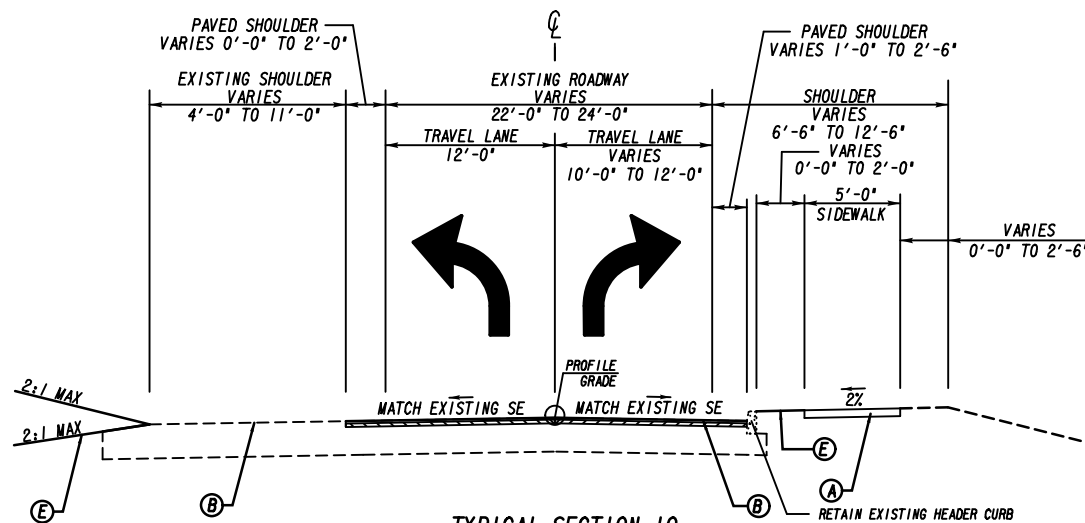
TYPICAL SECTION 7
15TH STREET OFF RAMP
STA. 300+72.50 TO STA. 303+26.56



TYPICAL SECTION 8
15TH STREET OFF RAMP
STA. 303+26.56 TO STA. 306+00.00



TYPICAL SECTION 9
15TH STREET OFF RAMP
STA. 306+00.00 TO STA. 307+50.00



TYPICAL SECTION 10
15TH STREET OFF RAMP
STA. 307+50.00 TO STA. 312+19.88

PAVEMENT SECTION	
(A)	CONC. SIDEWALK, 4 IN
(B)	MILL AND INLAY 1 1/2 IN DEPTH, RECYCLED ASPH CONC 12.5mm SUPERPAVE, GP 2 ONLY INCL BITUM MATL & H LIME (165 LB/SY)
(C)	CONC. INTEGRAL MEDIAN WITH TIE BAR, 6 IN
(D)	PARAPET FENCE (SEE 05-005)
(E)	SOD



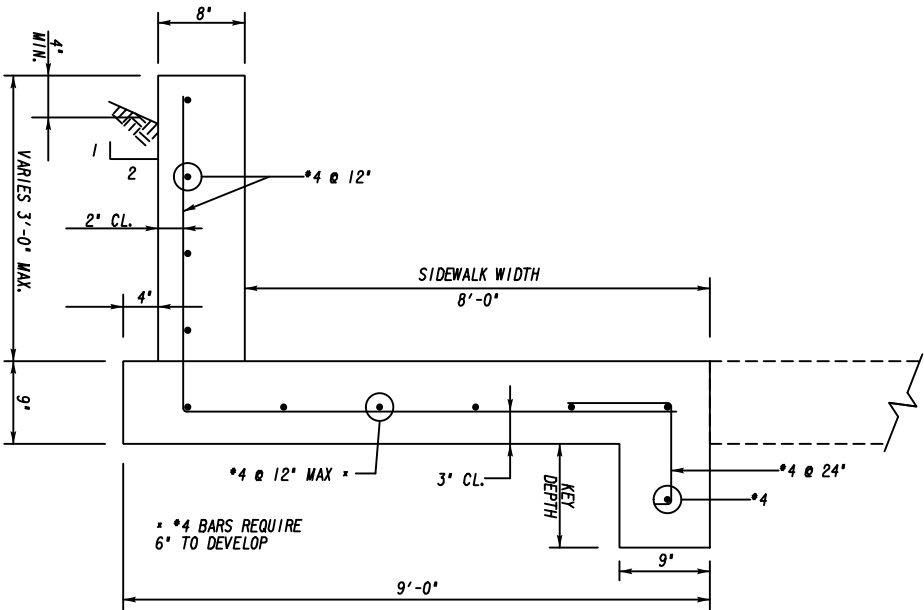
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KEY DEPTH	WALL HEIGHT
0'-0"	1'-9"
6" MIN.	2'-0"
0'-9"	2'-6"
1'-0"	3'-0"

LOADS:
SURCHARGE = 0 PSF

MATERIALS:
CONCRETE ----- $f'c = 3,000$ PSI

REINFORCING ----- $f_y = 60,000$ PSI

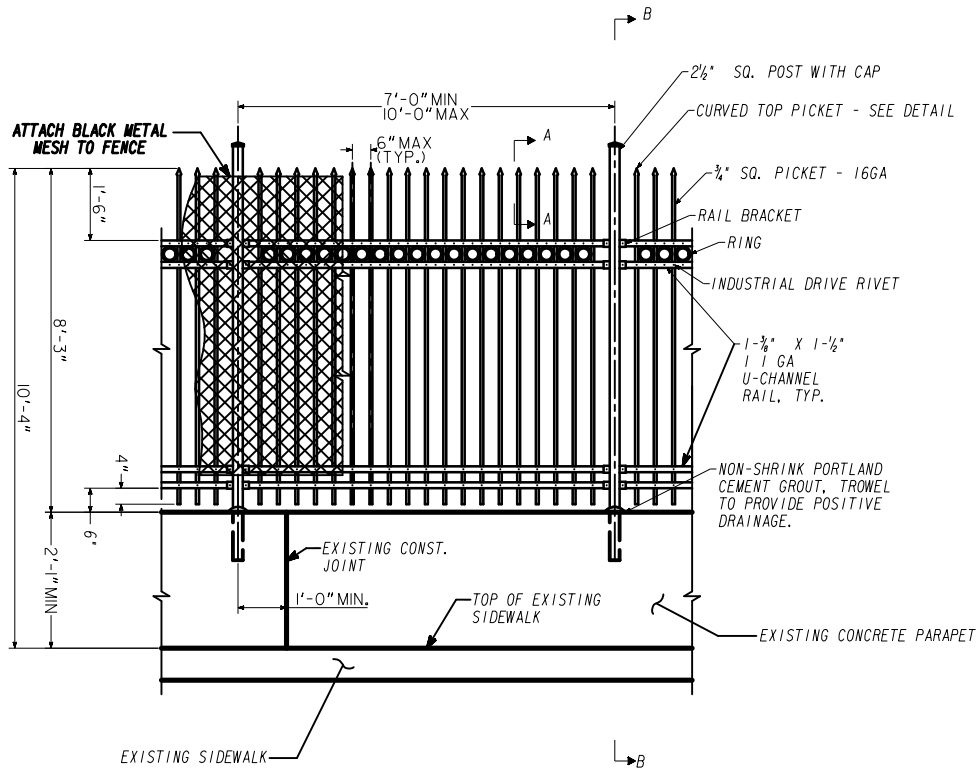
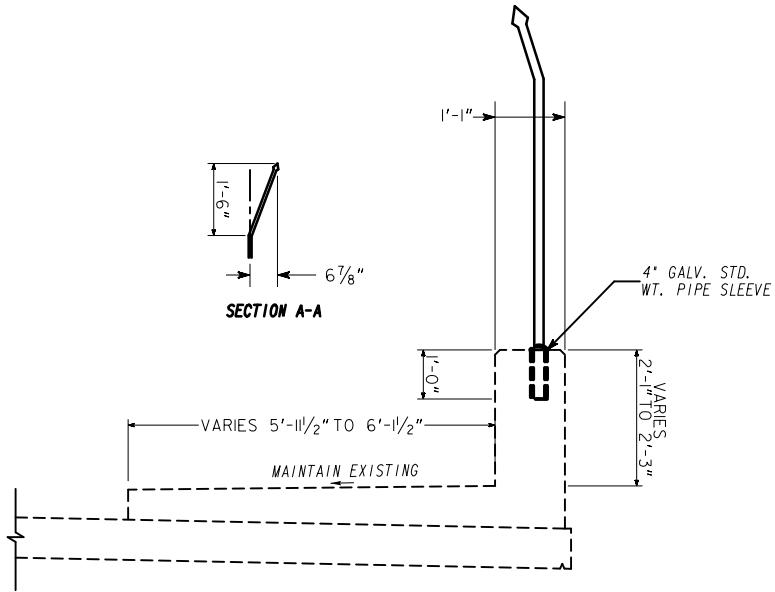
SOIL PROPERTIES:
SOIL WEIGHT = 110 PSF

C
ALLOWABLE SOIL PRESSURE = 3,000 PSF

TURNUP SIDEWALK WALL DETAIL
N.T.S

FENCE NOTES:

1. PROVIDE GUARDSMAN PANEL FENCE OR EQUAL, AS APPROVED BY OWNER.
2. REMOVE EXISTING GALVANIZED FENCING INCLUDING FENCE POSTS. FENCE POST SLEEVES WHICH ARE ABANDONED SHALL BE FILLED WITH NON-SHRINK GROUT.
3. CORE 4" DIAMETER HOLES IN EXISTING PARAPET OR UTILIZE EXISTING FENCE SLEEVES. PLACE FENCE POSTS WITH NON-SHRINK GROUT. NON-SHRINK GROUT SHALL BE ALLOWED TO CURE FOR THREE DAYS BEFORE FENCE FABRIC IS INSTALLED
4. PROVIDE EXPANSION SLEEVE FOR ALL RAILS TO MATCH SUPERSTRUCTURE JOINTS.
5. EXPANDED METAL MESH SHALL BE FASTENED TO POST AT INTERVALS NOT GREATER THAN 14".
6. SPACE POSTS AT A MINIMUM OF 7'-0" AND A MAXIMUM OF 10'-0". PLACE POSTS 1'-0" MINIMUM FROM JOINTS IN PARAPET.
7. FOR FURTHER DETAILS, SEE GEORGIA DOT SPECIFICATIONS SECTIONS 643 AND 894.



PARAPET/FENCE AESTHETIC
(INSIDE FACE OF PARAPET)
(SHOWING GUARDSMAN PANEL FENCE - COMMERCIAL, CURVED TOP)

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CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No.

05-0005

SUMMARY OF QUANTITIES

TRAFFIC CONTROL 150-1000	
PROJECT NO. 0017618	LUMP

GRADING COMPLETE 210-0100	
PROJECT NO. 0017618	LUMP

CONC SIDEWALK, 4 IN 441-0104	
TOTAL	1186 SY

CONC SIDEWALK, 8 IN 441-0108	
TOTAL	243 SY

CONCRETE MEDIAN, 6 IN 441-0748	
TOTAL	58 SY

CONCRETE HEADER CURB, 6 IN, TP 2 441-5001	
TOTAL	200 LF

CLASS B CONCRETE INCLUDING REINFORCED STEEL 500-3900	
TOTAL	200 CY

GALVANIZED STEEL PIPE HANDRAIL 515-2020	
TOTAL	133 LF

ROADWAY SURFACING QUANTITIES			
PAY ITEMS	ITEMS	UNIT	TOTAL
310-5060	GR AGGR BASE CRS, 6 INCH, INCL MATL	SY	218
318-3000	AGGR SURF CRS	TN	193
402-3130	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP2 ONLY, INCL BITUM MATL & H LINE	TN	839
413-0750	TACK COAT	GL	610
432-0206	MILL ASPH CONC PVMT, 1-1/2 IN DEPTH	SY	10130
441-0018	DRIVEWAY CONCRETE, 8 IN	SY	101
441-4030	CONC VALLEY GUTTER, 8 IN	SY	155
444-1000	SAWED JOINTS IN EXIST PAVEMENT- PCC	LF	28

CHANGEABLE MESSAGE SIGN PORTABLE, TYPE 3 632-0003	
TOTAL	4 EA

RIGHT OF WAY MARKERS 634-1200	
TOTAL	35 EA

FOUNDATION BACKFILL MATERIAL TP 11 207-0203	
TOTAL	*40 CY

*NOTE: AS DIRECTED FOR CONSTRUCTION OF SIDEWALK

ORNAMENTAL FENCE 643-8300	
TOTAL	2700 LF

ADJUST CATCH BASIN TO GRADE 611-8000	
TOTAL	5 EA

ADJUST DROP INLET TO GRADE 611-8040	
TOTAL	1 EA

SIGNING AND MARKING QUANTITIES			
PAY ITEMS	ITEMS	UNIT	QUANTITY
150-0008	REMOVE AND RESET EXISTING SPCL GUIDE SIGN, GROUND MOUNTED, COMPLETE- IN- PLACE	EA	4
636-2070	GALV STEEL POSTS, TP 7	LF	100
653-1501	THERMOPLASTIC SOLID TRAF STRIPE 5 IN, WHITE	LF	3806
653-3501	THERMOPLASTIC SKIP TRAF STRIPE 5 IN, WHITE	GLF	2339
653-1804	THERMOPLASTIC SOLID TRAF STRIPE 8 IN, WHITE	LF	677
653-1704	THERMOPLASTIC SOLID TRAF STRIPE 24 IN, WHITE	LF	180
653-6004	THERMOPLASTIC SOLID TRAF STRIPING, WHITE	SY	316
653-6006	THERMOPLASTIC SOLID TRAF STRIPING, YELLOW	SY	691
653-0120	THERMOPLASTIC PVMT MARKING, ARROW, TP 2	EA	5
653-0130	THERMOPLASTIC PVMT MARKING, ARROW, TP 3	EA	2
653-0210	THERMOPLASTIC PVMT MARKING, WORD, TP 1	EA	2
654-1001	RAISED PVMT MARKERS TP 1	EA	42
654-1003	RAISED PVMT MARKERS TP 3	EA	87
654-0100	THERMOPLASTIC PVMT MARKING, WORD, RR/HWY CROSSING SYMBOL	EA	2

ADJUST MANHOLE TO GRADE 611-8050	
TOTAL	1 EA

ADJUST WATER METER TO GRADE 611-8020	
TOTAL	7 EA

SUMMARY OF STANDARD ROADSIDE SIGNS									
15TH STREET OFF RAMP		TPI MATL. REFL. SHEETING TP 11			15TH STREET		TPI MATL. REFL. SHEETING TP 11		
STATION	SIGN CODE	SIZE	QUANTITY	SQUARE FEET	STATION	SIGN CODE	SIZE	QUANTITY	SQUARE FEET
306+25	W10-1	36 DIA.	2	14.25	124+96	R2-1	30 X 36	1	7.5
307+01	R8-10	24 X 36	1	6	125+69	R5-1	36 X 36	1	9
307+01	D3-1A	72 X 12	1	6	125+98	R5-1	36 X 36	1	9
307+01	R5-1	36 X 36	1	9					
311+62	D3-1	54 X 12	2	9					
311+62	R1-1	36 X 36	1	9					
311+64	R5-1	36 X 36	1	9					
TOTAL				62.25	TOTAL				25.5

SUMMARY OF QUANTITIES
LANDSCAPING & LIGHTING

LANDSCAPING QUANTITIES			
PAY ITEMS	ITEMS	UNIT	QUANTITY
702-0140	CERCIS CANADENSIS 3' CAL.	EA	23
702-0528	LAGERSTROEMIA HYBRIDS 10-12'	EA	24
702-0673	METASEQUIOA GLYPTOSTROBOIDES 3'	EA	29
702-0363	ILEX CORNUTA 3 GAL.	EA	219
702-0610	LOROPETALUM CHINENSE RUBRUM 3 GAL.	EA	38
702-0756	PENNISETUM ALOPECUROIDES 3 GAL.	EA	41
702-0330	HEMEROCALLIS FULVA 1 GAL.	EA	46
702-0559	LIRIOPE MUSCARI 4" POT	EA	1249
700-9300	SOD	SY	823
766-7020	IRRIGATION SYSTEM	LS	LUMP
702-9025	LANDSCAPE MULCH	SY	1044
708-1000	PLANT TOPSOIL	CY	175

LIGHTING QUANTITIES			
PAY ITEMS	ITEMS	UNIT	QUANTITY
680-4225	LIGHTING STD 26-30 FT MH WITH BREAKAWAY & DECORATIVE BASE	EA	9
680-4110	LIGHTING STD 11-15 FT MH, POST TOP, SINGLE HEAD	EA	5
680-4110	LIGHTING STD 11-15 FT MH, POST TOP, DOUBLE HEAD	EA	29
680-4225	LIGHTING STD 26-30 FT MH	EA	11
680-5255	LUMINAIRE BRACKET ARM, 6 FT	EA	20
682-2110	ELECTRICAL SERVICE POINTS	EA	4
682-1405	CABLE TP XHHW, AWG NO 8	LF	7,000
682-6219	CONDUIT, NONMETAL, TP 2, 1 IN	LF	7,000
999-0014	INSTALLATION OF FOUNDATION FOR STREET LUMINAIRE AND POLE	EA	54

SUMMARY OF QUANTITIES

EROSION CONTROL

TEMPORARY GRASSING 163-0232	MAINTENANCE OF CONSTRUCTION EXIT TIRE WASH AREA 165-0310	AGRICULTURAL LIME 700-7000
TOTAL1 AC	TOTAL1 EA	TOTAL3 TN
MULCH 163-0240	TEMPORARY SILT FENCE, TYPE A 171-0030	FERTILIZER MIXED GRADE 700-8000
TOTAL2 TN	TOTAL206 LF	TOTAL2 TN
CONSTRUCT AND REMOVE CONSTRUCTION EXITS 163-0301	BARRIER FENCE (ORANGE), 4 FT 643-8200	FERTILIZER NITROZEN CONTENT 700-8100
TOTAL2 EA	TOTAL650 LF	TOTAL50 LB
CONSTRUCT AND REMOVE INLET SEDIMENT TRAP 163-0550		
TOTAL9 EA		
MAINTENANCE OF TEMPORARY SILT FENCE, TP A 165-0010		
TOTAL206 LF		
MAINTENANCE OF CONSTRUCTION EXIT 165-0101		
TOTAL1 EA		
MAINTENANCE OF INLET SEDIMENT TRAP 165-0105		
TOTAL9 EA		

SUMMARY OF QUANTITIES

SIGNALS (GOVERNMENT ROAD TO LANEY WALKER BLVD)

HIGHWAY SIGNS, TP 2 MATL, REFL SHEETING, TP 11 636-1045	
TOTAL	113 SF

TRAFFIC SIGNAL INSTALLATION NO-2 647-1000	
TOTAL	2 LUMP

PULL BOX, TYPE 2 682-2120	
TOTAL	6 EA

PULL BOX, TYPE 3 682-2130	
TOTAL	10 EA

PULL BOX, TYPE 5 682-2150	
TOTAL	3 EA

PEDESTAL POLE, BLACK 647-6057	
TOTAL	9 EA

CCTV CAMERA SYSTEM, TYPE 1 936-4000	
TOTAL	2 EA

CCTV MOUNTING ARM, TYPE 1 936-4901	
TOTAL	2 EA

WIRELESS SYSTEM, TYPE 4 926-2104	
TOTAL	1 EA

VIDEO DETECTION SYSTEM			
PAY ITEMS	ITEMS	UNIT	QUANTITY
937-6040	VIDEO DETECTION SYSTEM, NO. 2	LS	2

CONDUIT AND BORING QUANTITIES			
GDOT PAY ITEMS	ITEMS	UNIT	QUANTITY
682-6110	CONDUIT, RIGID, 1 IN	LF	180
682-6219	CONDUIT, NONMETL, TP 2, 1 IN	LF	320
682-6222	CONDUIT, NONMETL, TP 2, 2 IN	LF	650
682-6233	CONDUIT, NONMETL, TP 3, 2 IN	LF	1730
682-9950	DIRECTIONAL BORE	LF	570

SIGNAL POLE QUANTITIES			
PAY ITEMS	ITEMS	UNIT	QUANTITY
639-3004	STEEL STRAIN POLE, TP IV- WITH 45 FT MAST ARM	EA	1
639-3004	STEEL STRAIN POLE, TP IV- WITH 50 FT MAST ARM	EA	2
639-3004	STEEL STRAIN POLE, TP IV- WITH 55 FT MAST ARM	EA	3
639-3004	STEEL STRAIN POLE, TP IV- WITH 60 FT MAST ARM	EA	1
639-3004	STEEL STRAIN POLE, TP IV- WITH 65 FT MAST ARM	EA	1

NOTE: SEE 27- SERIES PLANS FOR LOCATIONS

CHECKED:	DATE:	DRAWING No. 06-0004B
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
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QUANTITIES REQUIRED BY AMENDMENT

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[illegible]

Curve* 1
PI Sta= 101+00.58
N= 1259162.2025
E= 708216.8835
DELTA= 0°09'26.9" (LT)
D= 1°32'09.89"
T= 5.13
L= 10.25
R= 3730.00
E= 0.00
D.S.= 35 M.P.H.

Curve* 2
PI Sta= 102+23.34
N= 1259275.4760
E= 708264.1970
DELTA= 1°03'12.7" (LT)
D= 1°32'09.89"
T= 34.29
L= 68.59
R= 3730.00
E= 0.16
D.S.= 35 M.P.H.

Curve* 6
PI Sta= 120+65.29
N= 1260988.5470
E= 708941.0950
DELTA= 0°55'56.4" (RT)
D= 1°32'09.89"
T= 30.35
L= 60.70
R= 3730.00
E= 0.12
D.S.= E5 MPH.

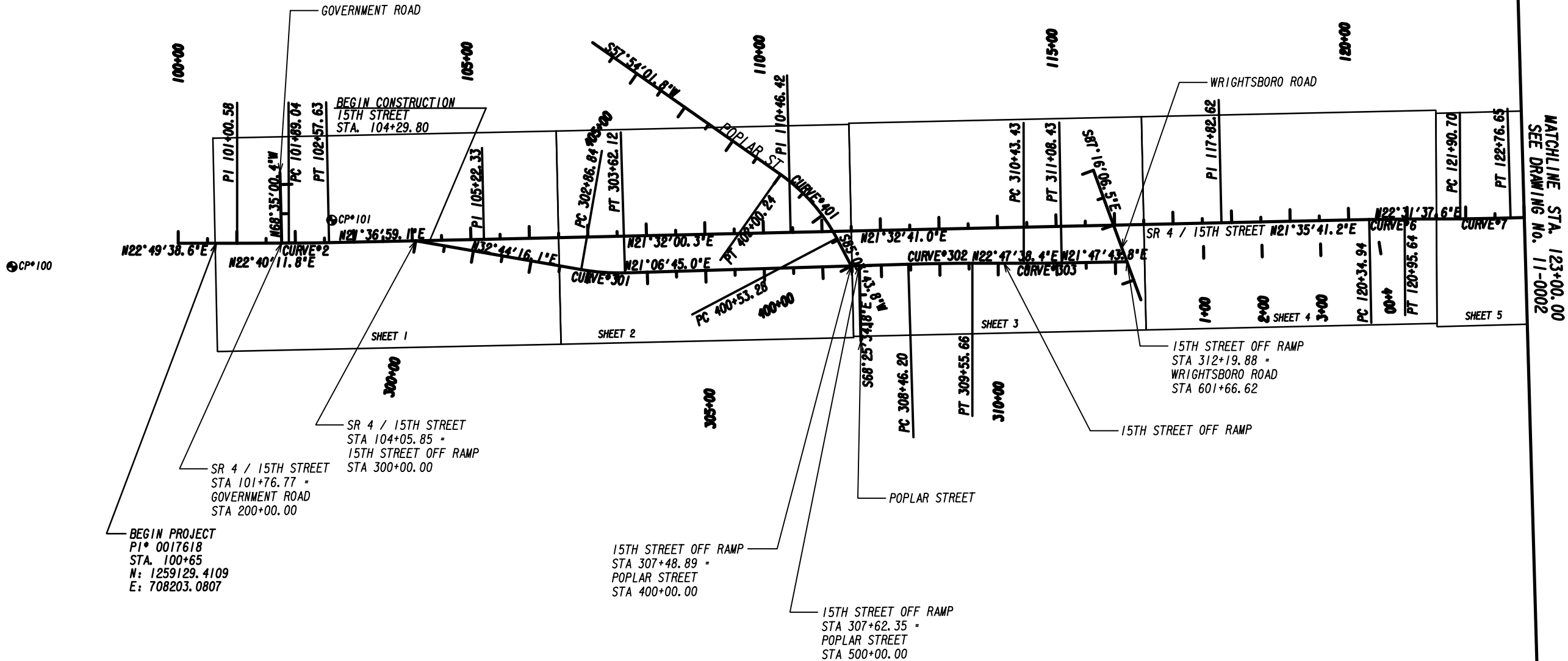
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PI Sta= 122+33.68
N= 1261144.0886
E= 709005.6087
DELTA= 1°19'13.2" (LT)
D= 1°32'09.89"
T= 42.98
L= 85.95
R= 3730.00
E= 0.25
D.S.= 35 M.P.H.

Curve* 301
PI Sta= 303+24.61
N= 1259718.2034
E= 708506.9817
DELTA= 11°37'31.0" (LT)
D= 15°26'36.98"
T= 37.77
L= 75.28
R= 371.00
E= 1.92
D.S.= 35 M.P.H.

Curve* 302
PI Sta= 309+00.93
N= 1260256.0842
E= 708714.6675
DELTA= 1°40'53.4" (RT)
D= 1°32'09.89"
T= 54.74
L= 109.47
R= 3730.00
E= 0.40
D.S.= 35 M.P.H.

Curve* 303
PI Sta= 310+75.93
N= 1260417.4204
E= 708782.4671
DELTA= 0°59'54.7" (LT)
D= 1°32'09.89"
T= 32.50
L= 65.00
R= 3730.00
E= 0.14
D.S.= 35 M.P.H.

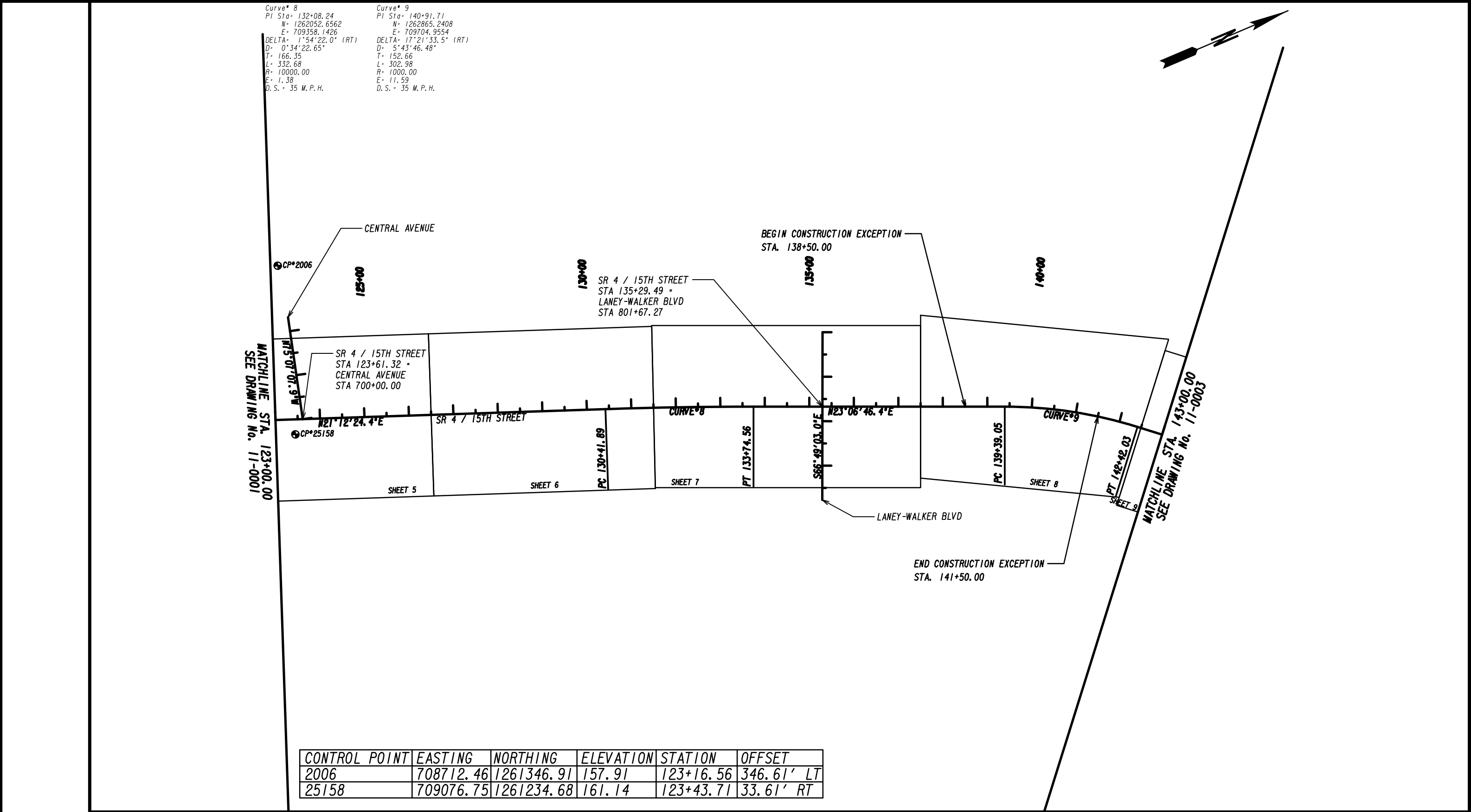
Curve* 401
PI Sta= 401+28.17
N= 1260103.2195
E= 708532.2123
DELTA= 27°09'42.0" (LT)
D= 18°28'57.03"
T= 74.89
L= 146.96
R= 310.00
E= 8.92
D.S.= 30 M.P.H.

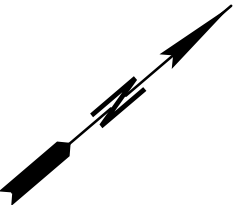


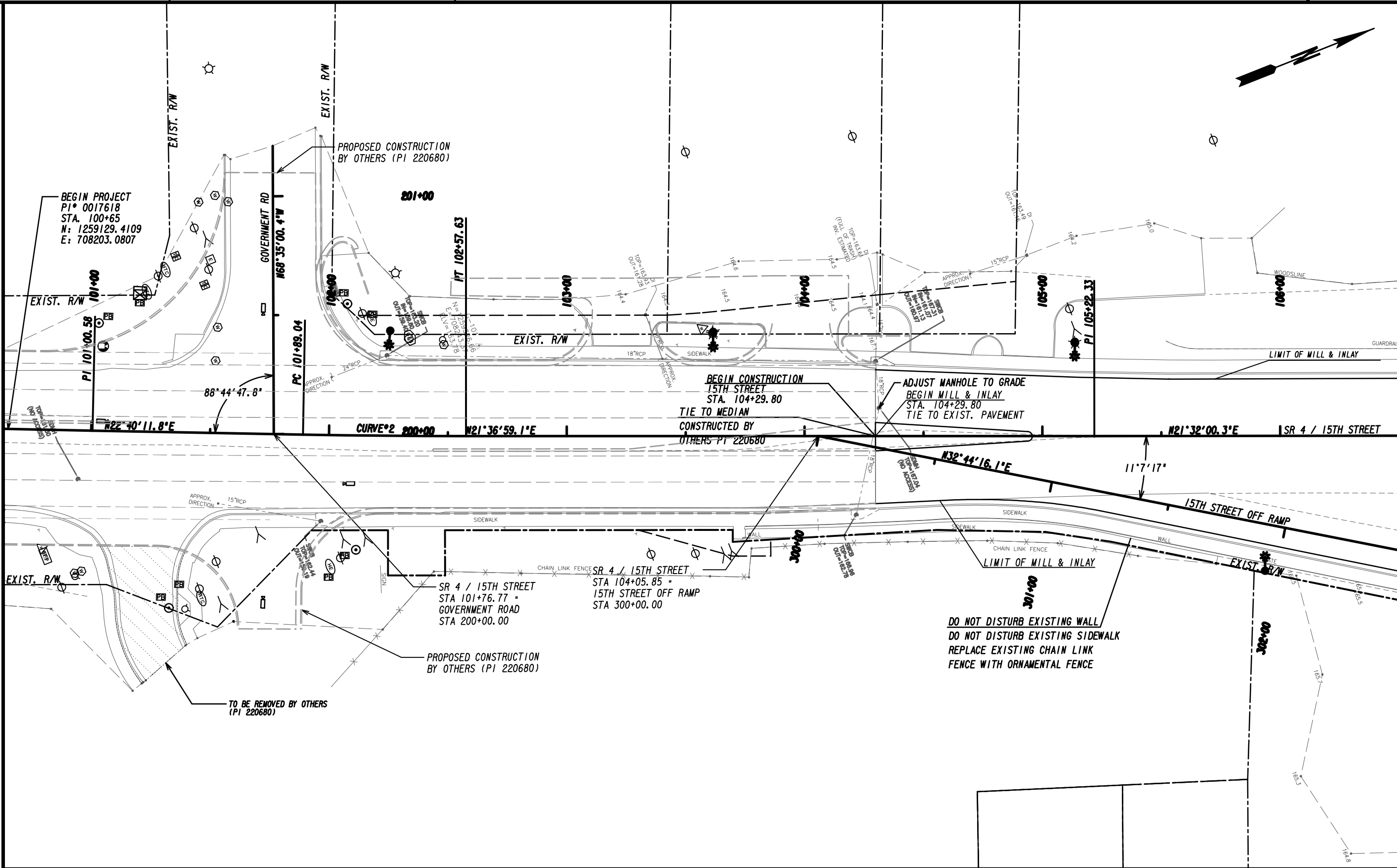
CONTROL POINT	EASTING	NORTHING	ELEVATION	STATION	OFFSET
100	708104.70	1258792.41	160.76	97+16.07	40.13' RT
101	708243.37	1259326.66	163.78	103+63.09	38.15' LT



REVISION DATES			CONSTRUCTION LAYOUT 15TH ST. PEDESTRIAN IMPROVEMENTS FROM GOVERNMENT RD. TO LANEY WALKER BLVD.			
			CHECKED:		DATE:	DRAWING No.
			BACKCHECKED:		DATE:	11-0001
			CORRECTED:		DATE:	
			VERIFIED:		DATE:	







MATCHLINE STA. 106+50.00
SEE DRAWING No. 13-0002

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

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

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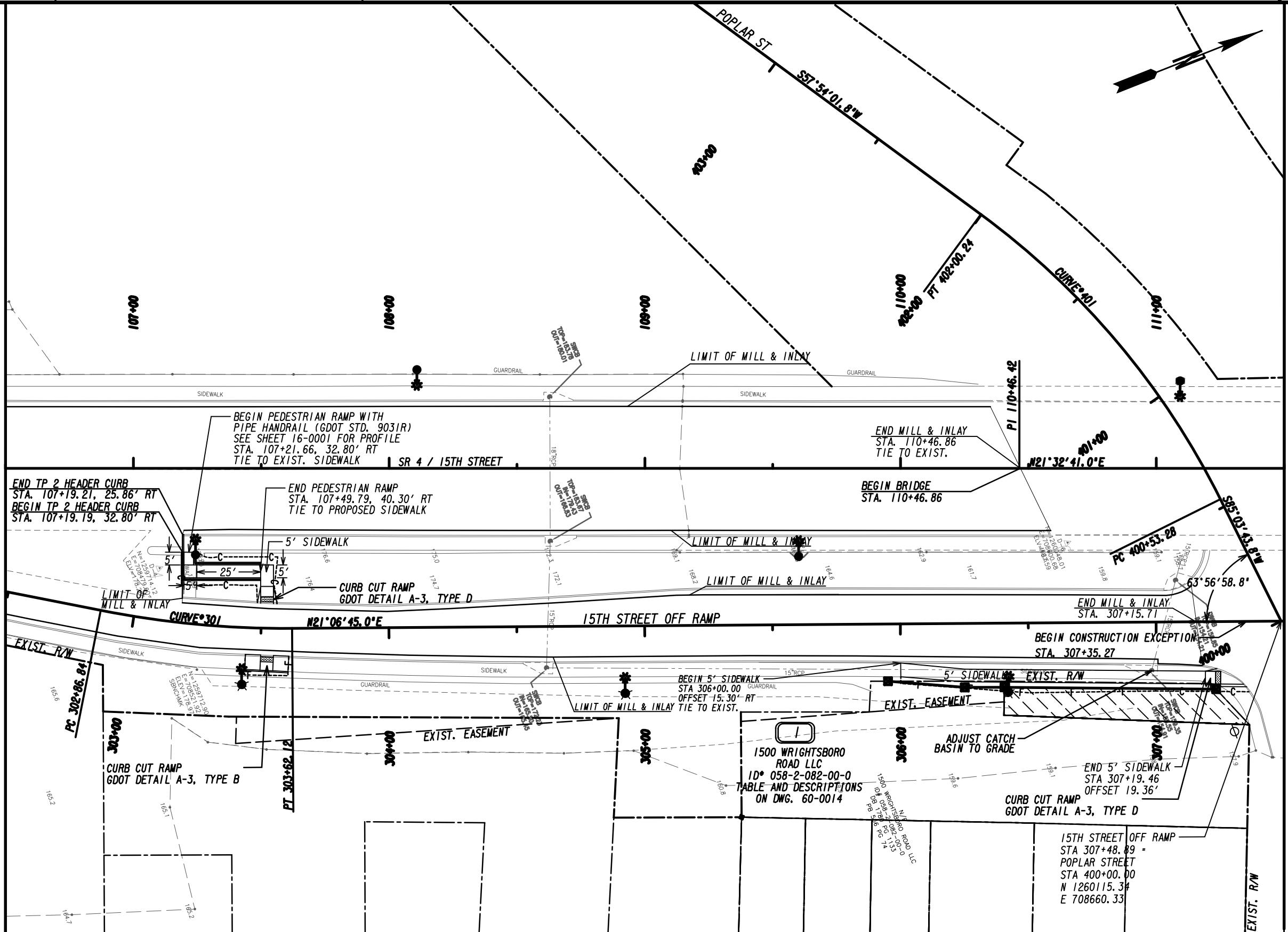
REVISION DATES	

MAINLINE PLAN
15TH ST. PEDESTRIAN IMPROVEMENTS FROM
GOVERNMENT RD. TO LANEY WALKER BLVD.

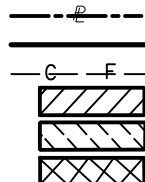
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SEE DRAWING No. 13-0001

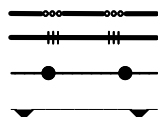
MATCHLINE STA. 111+50.00
SEE DRAWING No. 13-0003



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



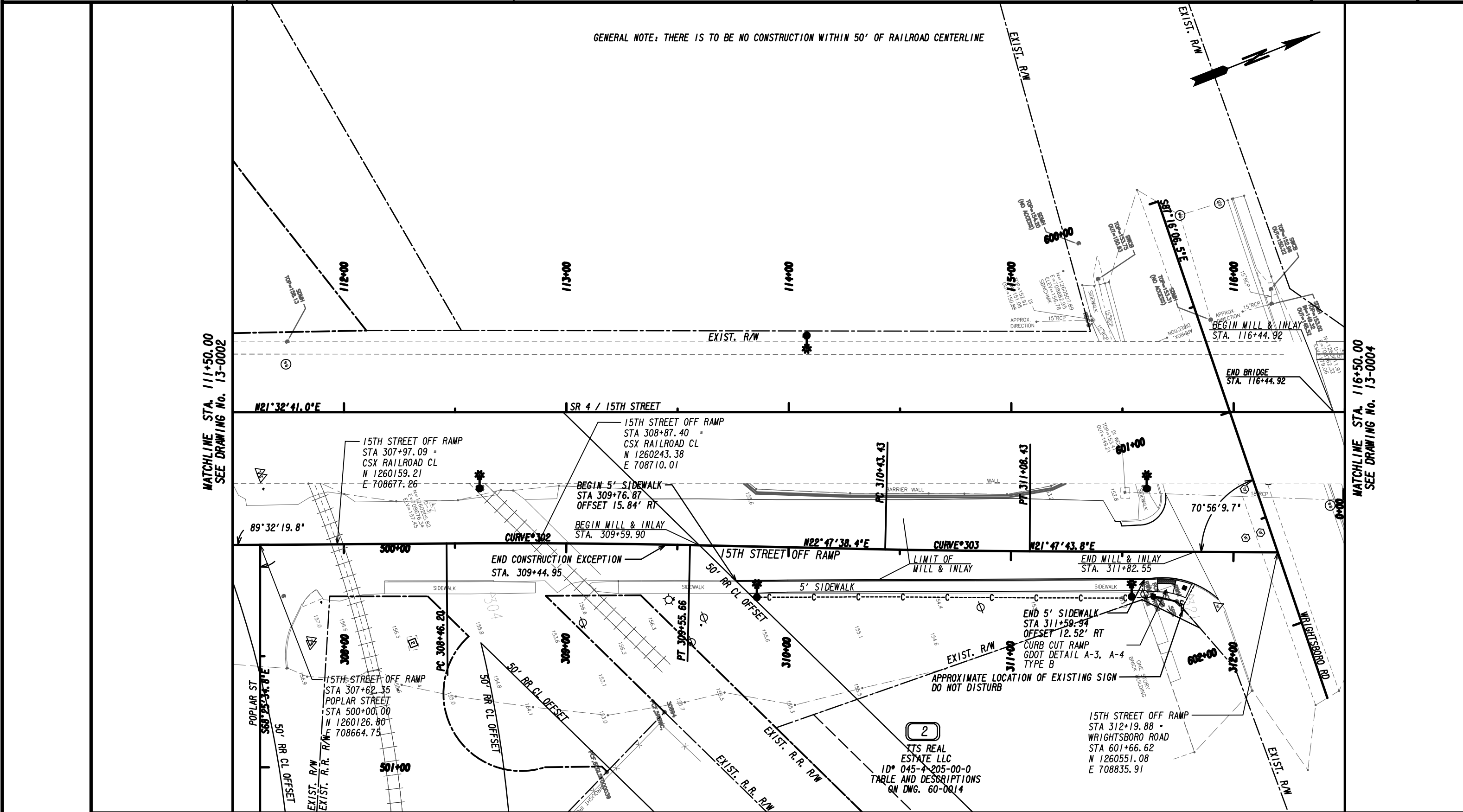
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REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)



REVISION DATES

MAINLINE PLAN
15TH ST. PEDESTRIAN IMPROVEMENTS FROM
GOVERNMENT RD. TO LANEY WALKER BLVD.

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PROPERTY AND EXISTING R/W LINE

REQUIRED R/W LINE

CONSTRUCTION LIMITS

EASEMENT FOR CONSTR

& MAINTENANCE OF SLOPES

EASEMENT FOR CONSTR OF SLOPES

EASEMENT FOR CONSTR OF DRIVES

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END LIMIT OF ACCESS.....ELA

LIMIT OF ACCESS

REQ'D R/W & LIMIT OF ACCESS

ORANGE BARRIER FENCE

ESA - ENV. SENSITIVE AREA

(SEE ERIT TABLE)

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REVISION DATES

MAINLINE PLAN

15TH ST. PEDESTRIAN IMPROVEMENTS FROM

GOVERNMENT RD. TO LANEY WALKER BLVD.

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DATE:

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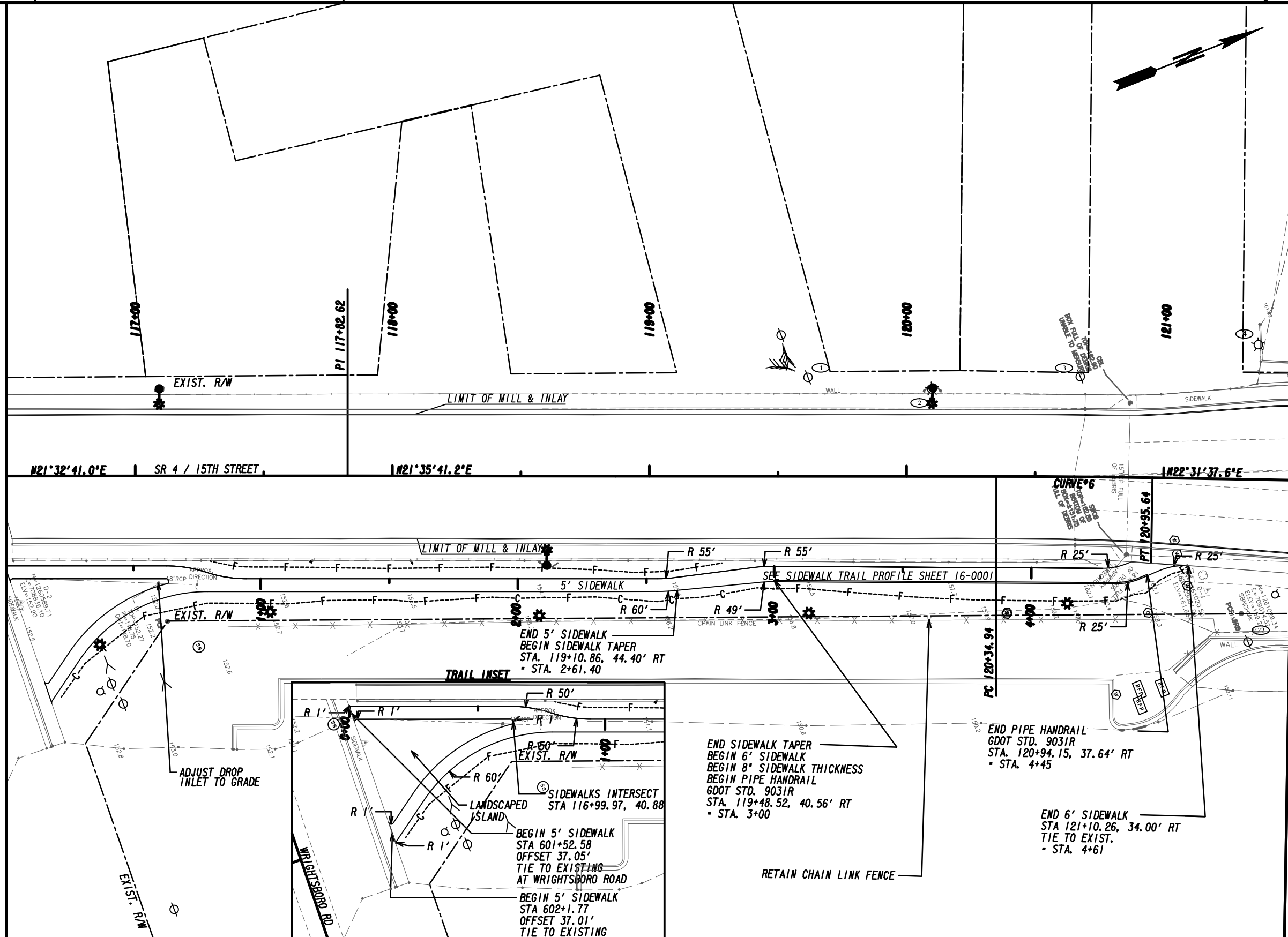
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13- 0003

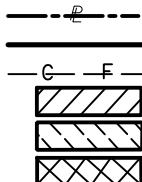
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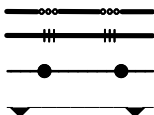


MATCHLINE STA. 121+50.00
SEE DRAWING No. 13-0005

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



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



REVISION DATES

MAINLINE PLAN
15TH ST. PEDESTRIAN IMPROVEMENTS FROM
GOVERNMENT RD. TO LANEY WALKER BLVD.

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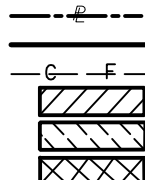
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13-0004

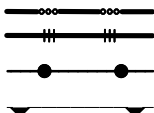
MATCHLINE STA. 121+50.00
SEE DRAWING No. 13-0004

MATCHLINE STA. 126+50.00
SEE DRAWING No. 13-0006

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



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



REVISION DATES

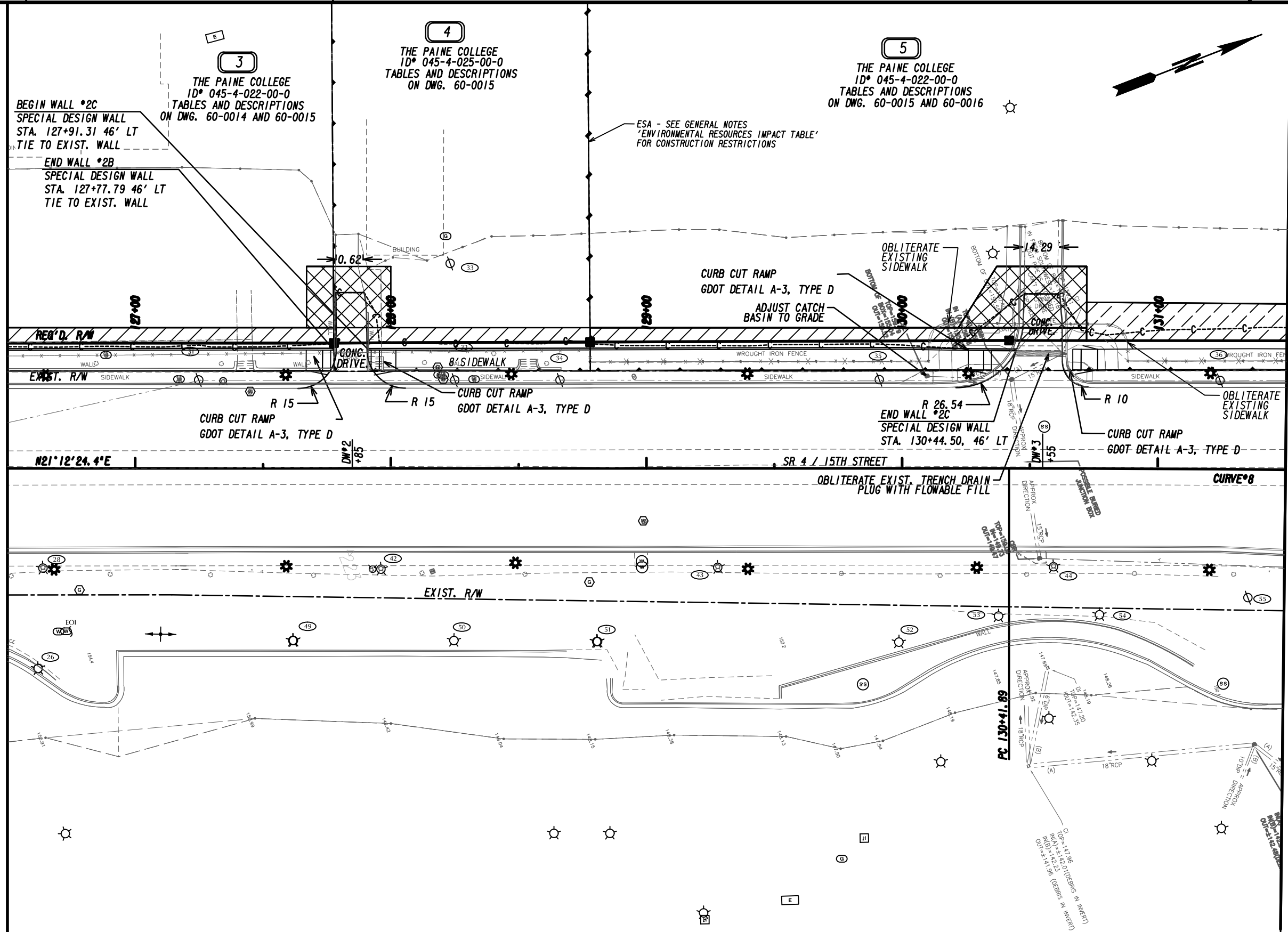
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DRAWING No.

13-0005

MATCHLINE STA. 126+50.00
SEE DRAWING No. 13-0005



MATCHLINE STA. 131+50.00
SEE DRAWING No. 13-0007

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

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

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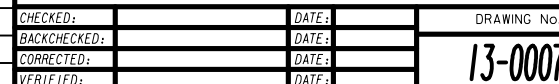
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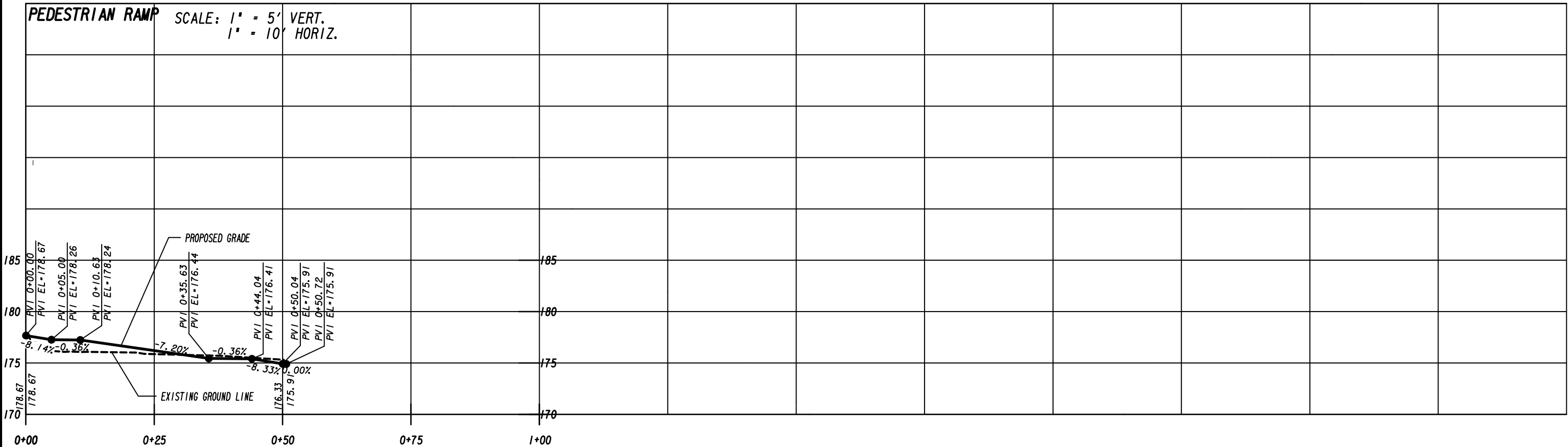
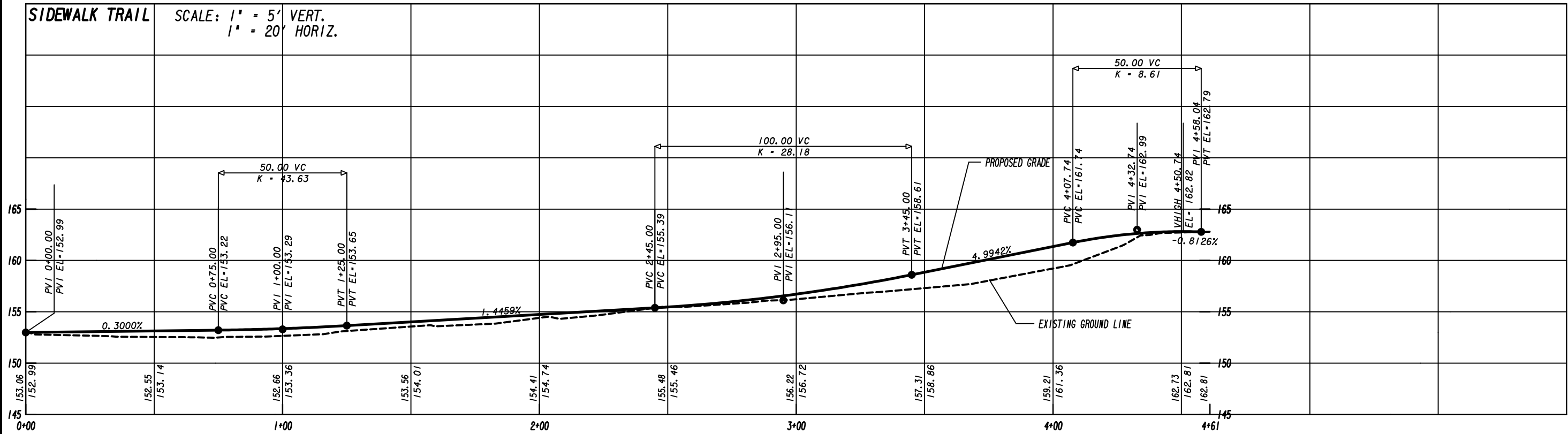
REVISION DATES	

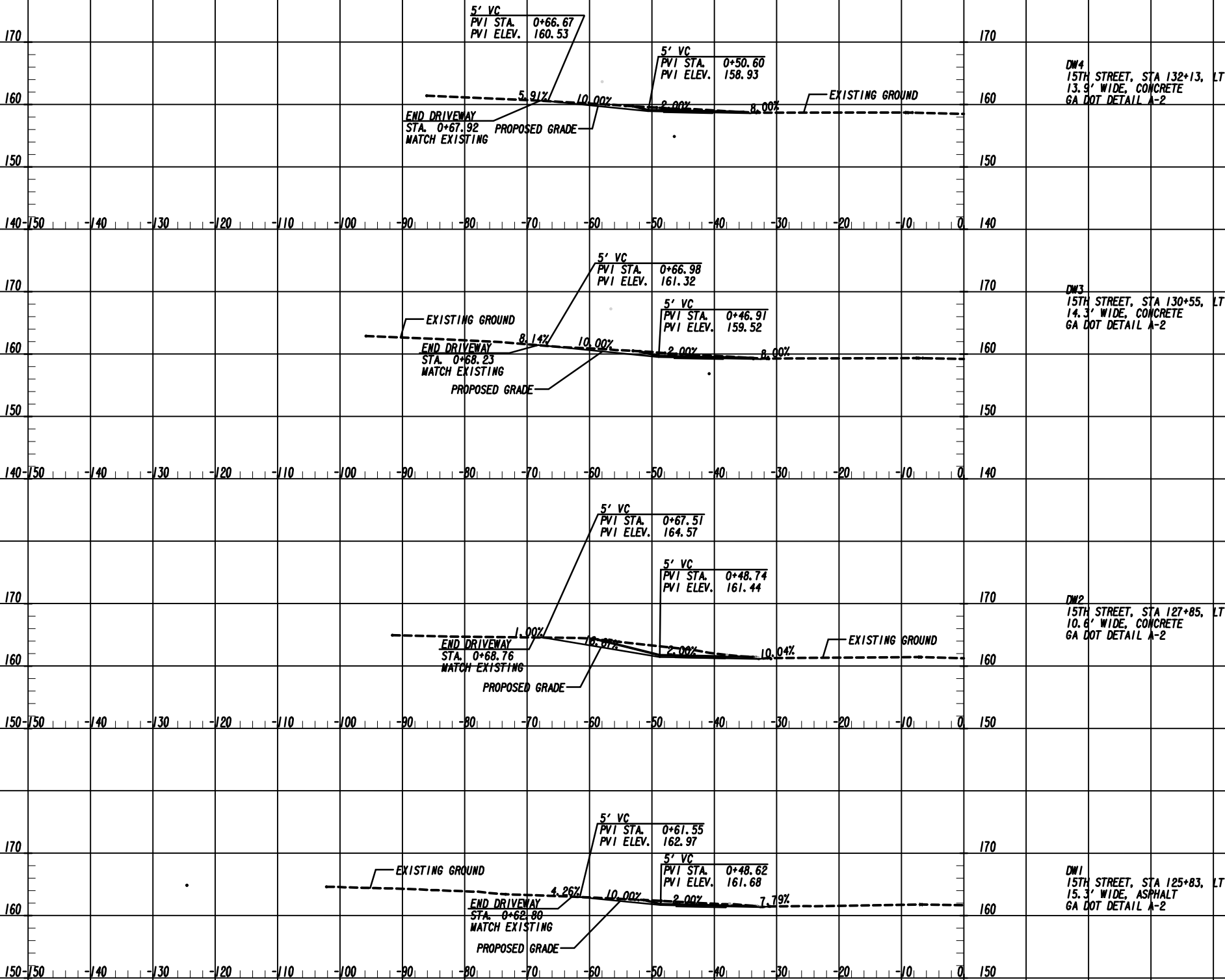
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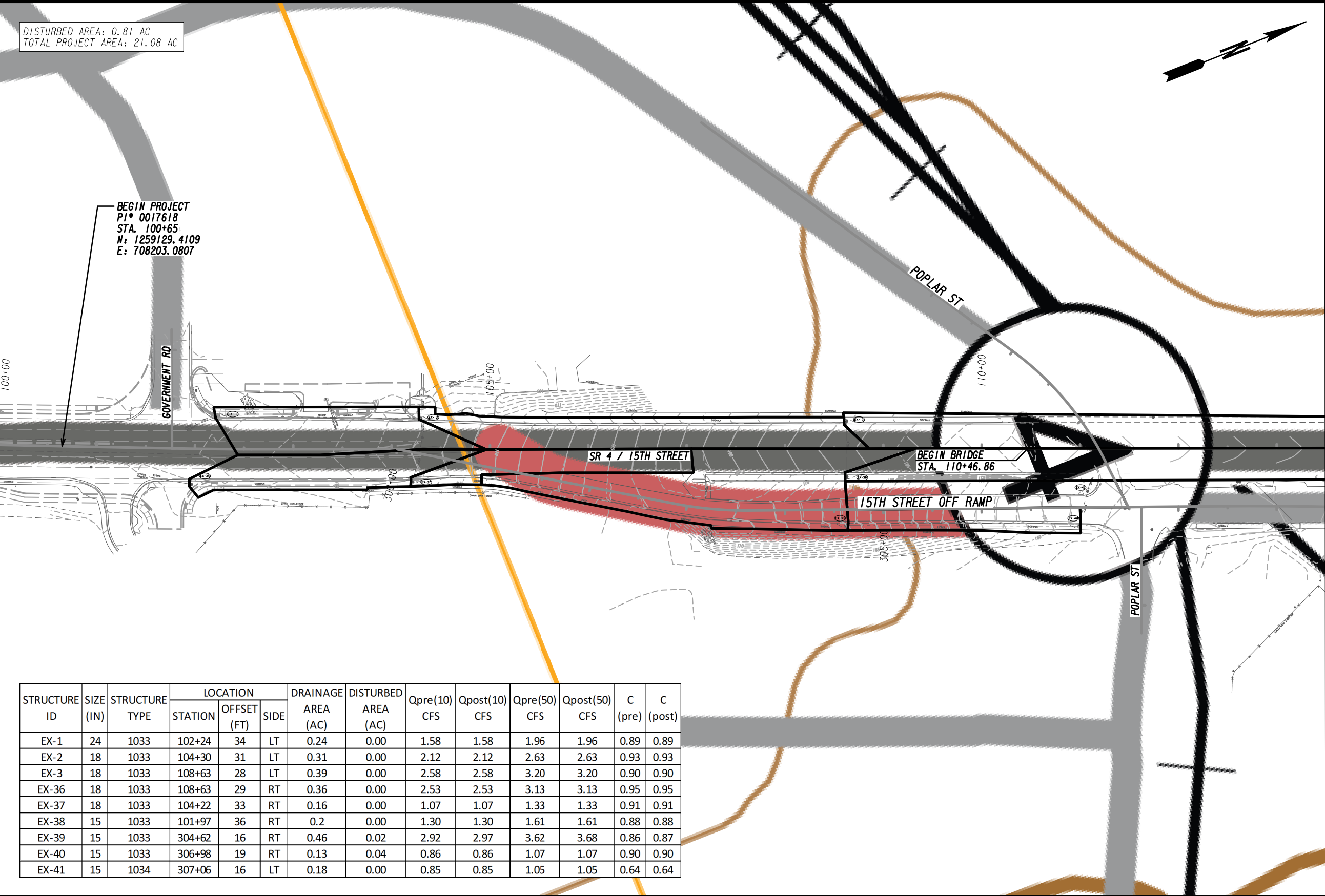
DRAWING No.
13-0006

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STRUCTURE ID	SIZE (IN)	STRUCTURE TYPE	LOCATION			DRAINAGE AREA (AC)	DISTURBED AREA (AC)	Qpre(10) CFS	Qpost(10) CFS	Qpre(50) CFS	Qpost(50) CFS	C (pre)	C (post)
			STATION	OFFSET (FT)	SIDE								
EX-1	24	1033	102+24	34	LT	0.24	0.00	1.58	1.58	1.96	1.96	0.89	0.89
EX-2	18	1033	104+30	31	LT	0.31	0.00	2.12	2.12	2.63	2.63	0.93	0.93
EX-3	18	1033	108+63	28	LT	0.39	0.00	2.58	2.58	3.20	3.20	0.90	0.90
EX-36	18	1033	108+63	29	RT	0.36	0.00	2.53	2.53	3.13	3.13	0.95	0.95
EX-37	18	1033	104+22	33	RT	0.16	0.00	1.07	1.07	1.33	1.33	0.91	0.91
EX-38	15	1033	101+97	36	RT	0.2	0.00	1.30	1.30	1.61	1.61	0.88	0.88
EX-39	15	1033	304+62	16	RT	0.46	0.02	2.92	2.97	3.62	3.68	0.86	0.87
EX-40	15	1033	306+98	19	RT	0.13	0.04	0.86	0.86	1.07	1.07	0.90	0.90
EX-41	15	1034	307+06	16	LT	0.18	0.00	0.85	0.85	1.05	1.05	0.64	0.64

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

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

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SCALE IN FEET
0 50 100 200

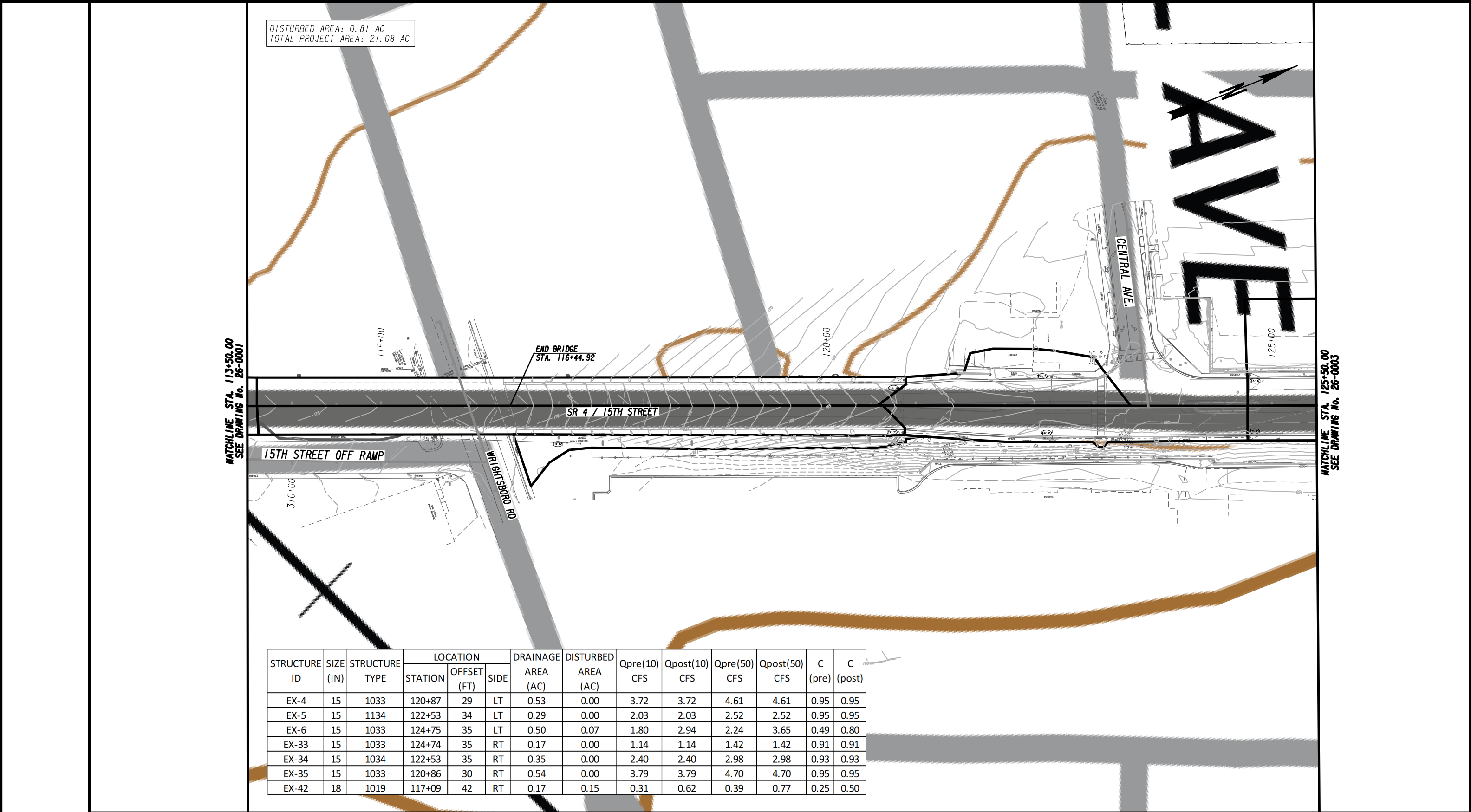
REVISION DATES

DRAINAGE AREA MAP
15TH ST. PEDESTRIAN IMPROVEMENTS FROM
GOVERNMENT RD. TO LANEY WALKER BLVD.

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

21-0001

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PROPERTY AND EXISTING R/W LINE

REQUIRED R/W LINE

CONSTRUCTION LIMITS

EASEMENT FOR CONSTR

& MAINTENANCE OF SLOPES

EASEMENT FOR CONSTR OF SLOPES

EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA

END LIMIT OF ACCESS.....ELA

LIMIT OF ACCESS

REQ'D R/W & LIMIT OF ACCESS

ORANGE BARRIER FENCE

ESA - ENV. SENSITIVE AREA

(SEE ERIT TABLE)

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SCALE IN FEET

0

50

100

200

REVISION DATES

DRAINAGE AREA MAP

15TH ST. PEDESTRIAN IMPROVEMENTS FROM

GOVERNMENT RD. TO LANEY WALKER BLVD.

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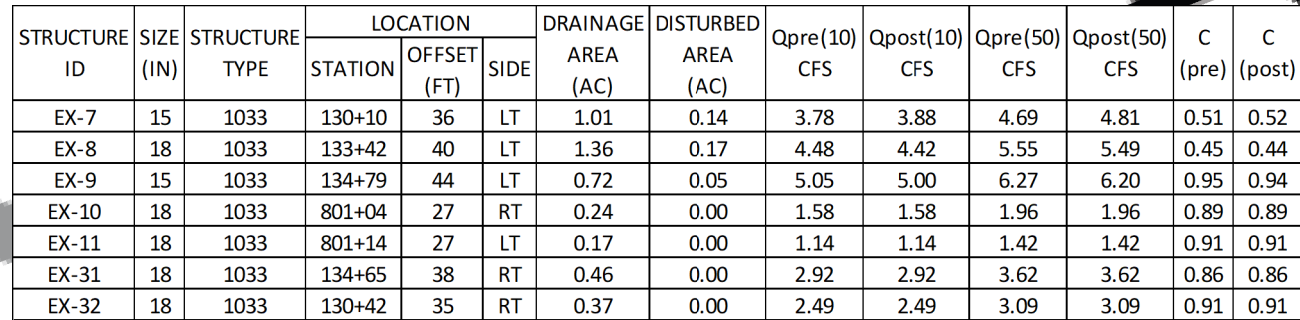
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DRAWING No.

21-0002



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DRAWING No.
1-0003

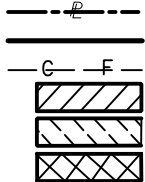
DISTURBED AREA: 0.81 AC
TOTAL PROJECT AREA: 21.08 AC

MATCHLINE STA. 137+50.00
SEE DRAWING No. 26-0003

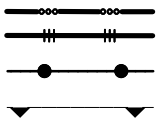
MATCHLINE STA. 149+50.00
SEE DRAWING No. 26-0005

STRUCTURE ID	SIZE (IN)	STRUCTURE TYPE	LOCATION			DRAINAGE AREA (AC)	DISTURBED AREA (AC)	Qpre(10) CFS	Qpost(10) CFS	Qpre(50) CFS	Qpost(50) CFS	C (pre)	C (post)
			STATION	OFFSET (FT)	SIDE								
EX-12	18	1033	142+42	44	LT	0.17	0.00	0.78	0.78	0.97	0.97	0.62	0.62
EX-13	18	1034	143+87	50	LT	0.40	0.00	2.03	2.03	2.52	2.52	0.69	0.69
EX-14	15	1033	144+64	53	LT	0.09	0.00	0.58	0.58	0.72	0.72	0.87	0.87
EX-15	18	1034	1001+13	13	RT	0.08	0.00	0.46	0.46	0.57	0.57	0.78	0.78
EX-16	18	1034	1001+36	15	LT	0.12	0.00	0.79	0.79	0.98	0.98	0.89	0.89
EX-26	18	1034	155+73	80	RT	0.21	0.00	1.42	1.42	1.76	1.76	0.92	0.92
EX-27	18	1034	901+48	30	RT	0.16	0.00	0.92	0.92	1.14	1.14	0.78	0.78
EX-28	18	1034	142+42	53	RT	0.45	0.00	3.00	3.00	3.72	3.72	0.90	0.90
EX-29	18	1019	141+87	54	RT	1.44	0.00	8.14	8.14	10.09	10.09	0.77	0.77
EX-30	18	1033	137+72	44	RT	0.71	0.00	4.36	4.36	5.41	5.41	0.83	0.83

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



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



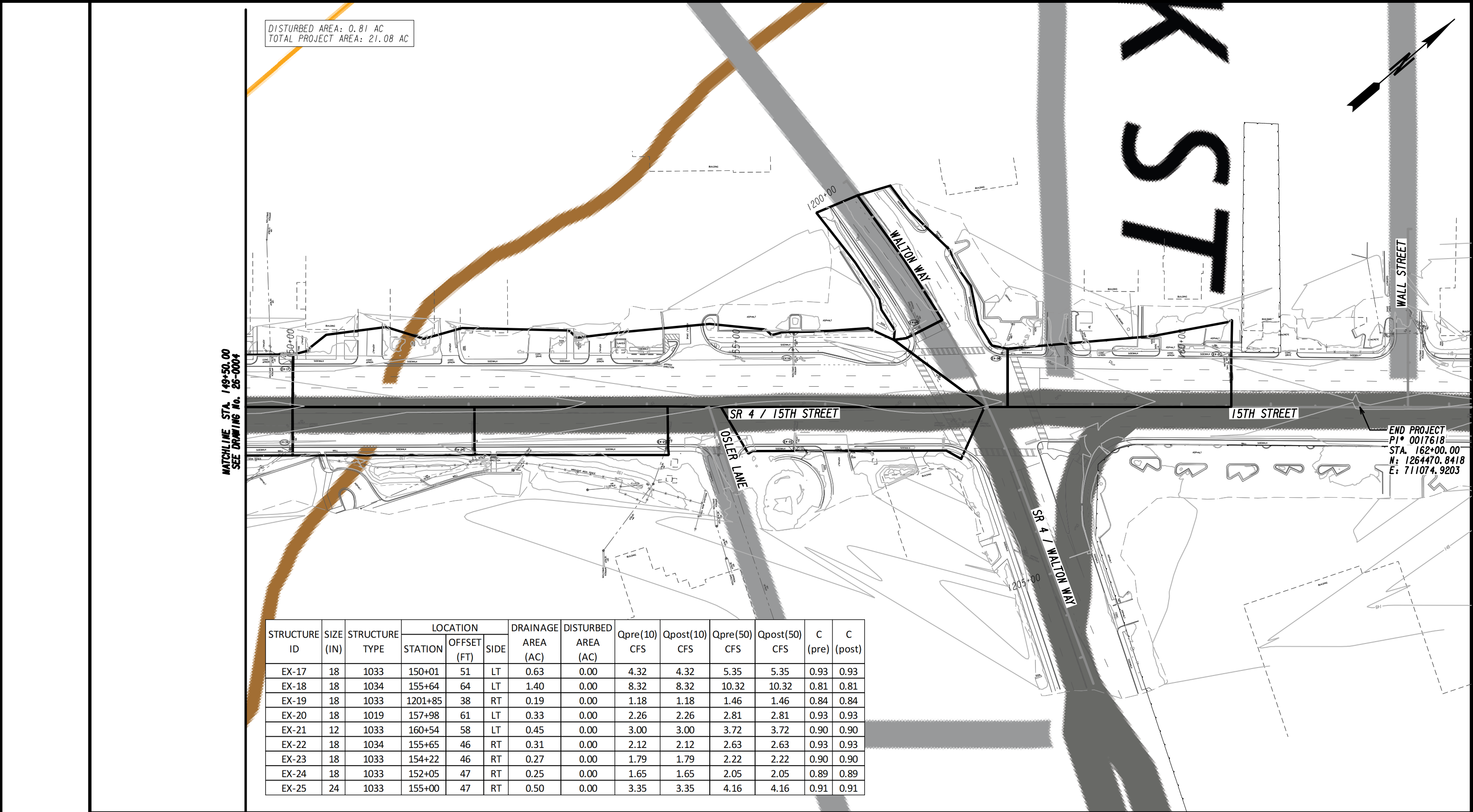
REVISION DATES

DRAINAGE AREA MAP
15TH ST. PEDESTRIAN IMPROVEMENTS FROM
GOVERNMENT RD. TO LANEY WALKER BLVD.

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DRAWING No.

21-0004



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

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

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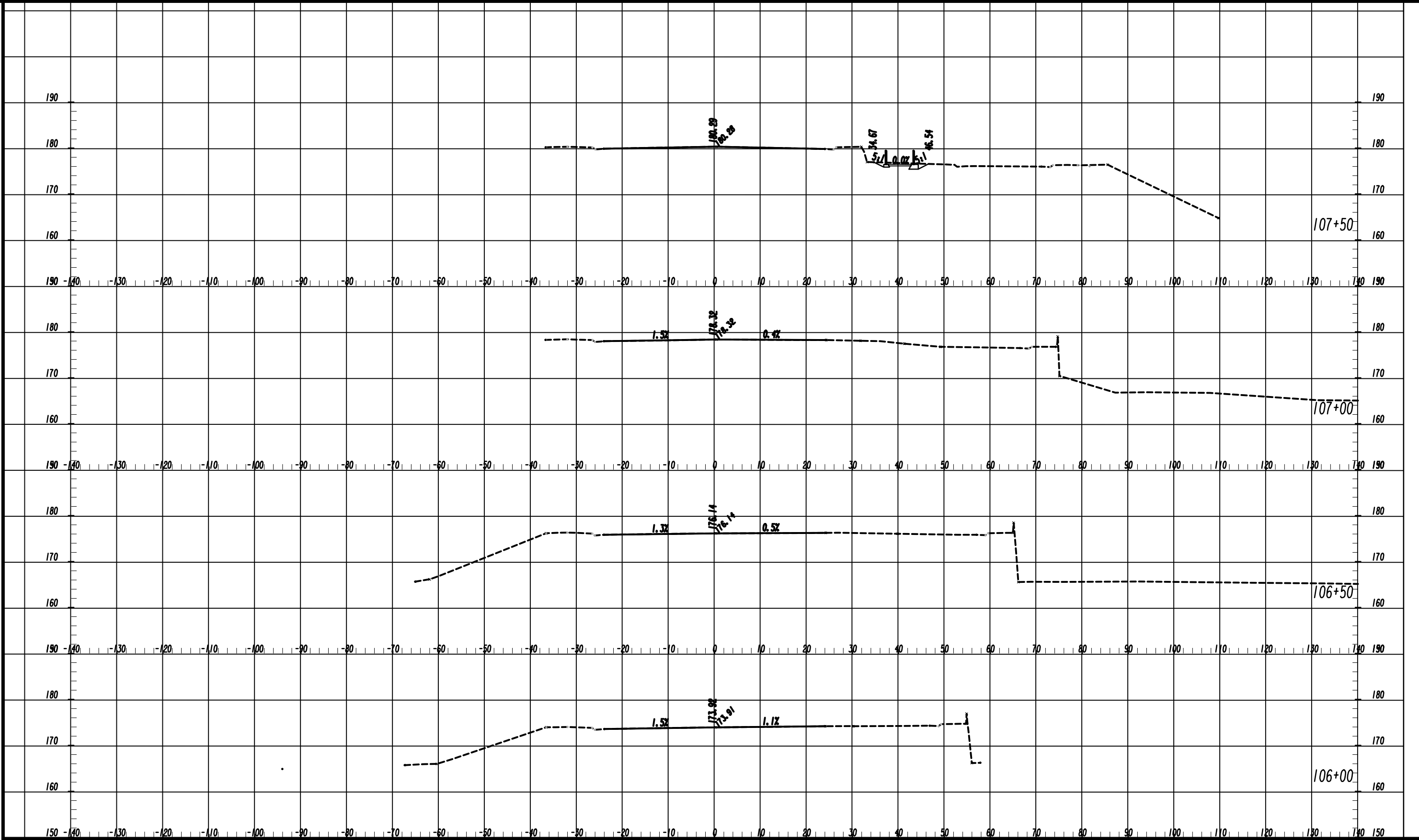
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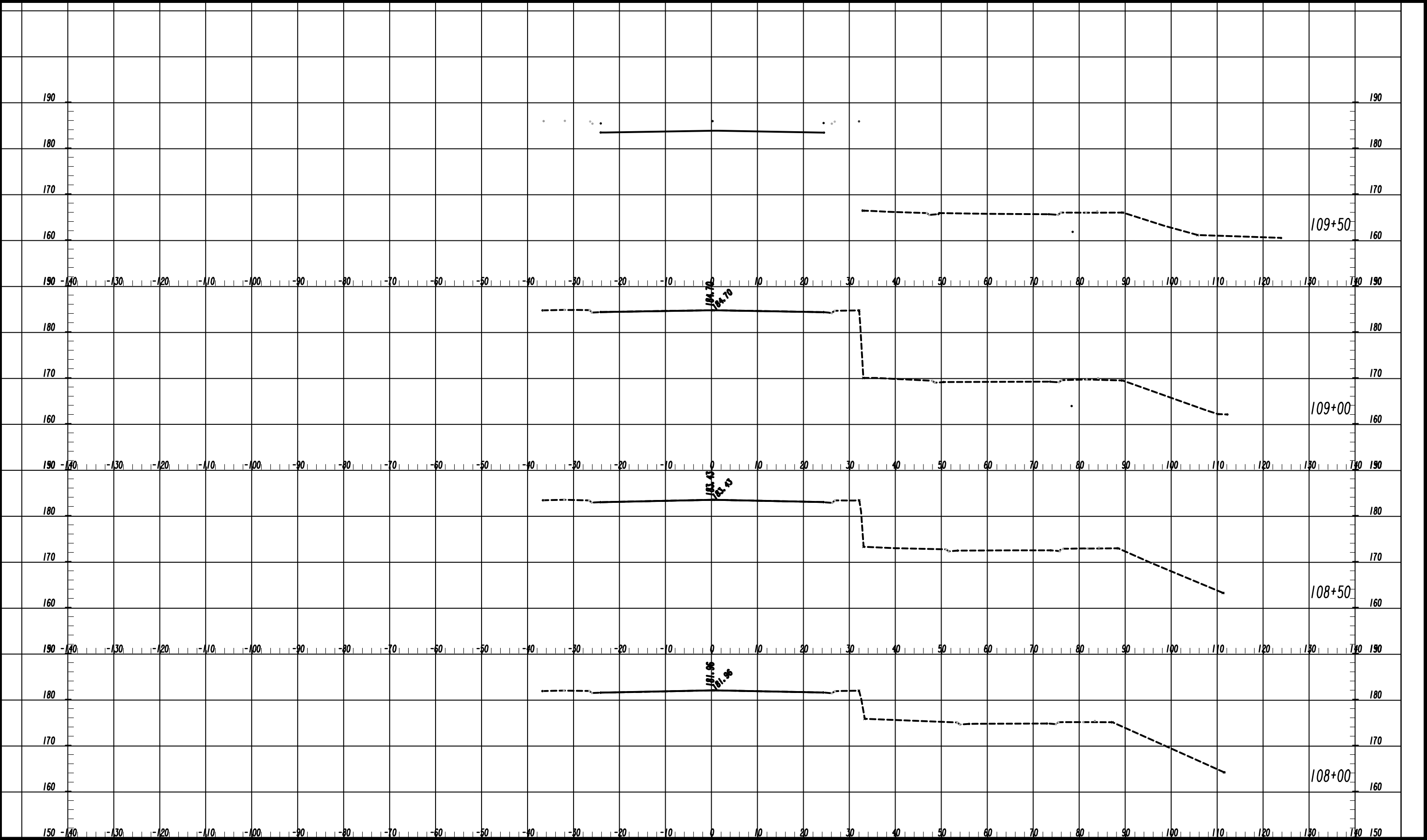
DRAINAGE AREA MAP
15TH ST. PEDESTRIAN IMPROVEMENTS FROM
GOVERNMENT RD. TO LANEY WALKER BLVD.

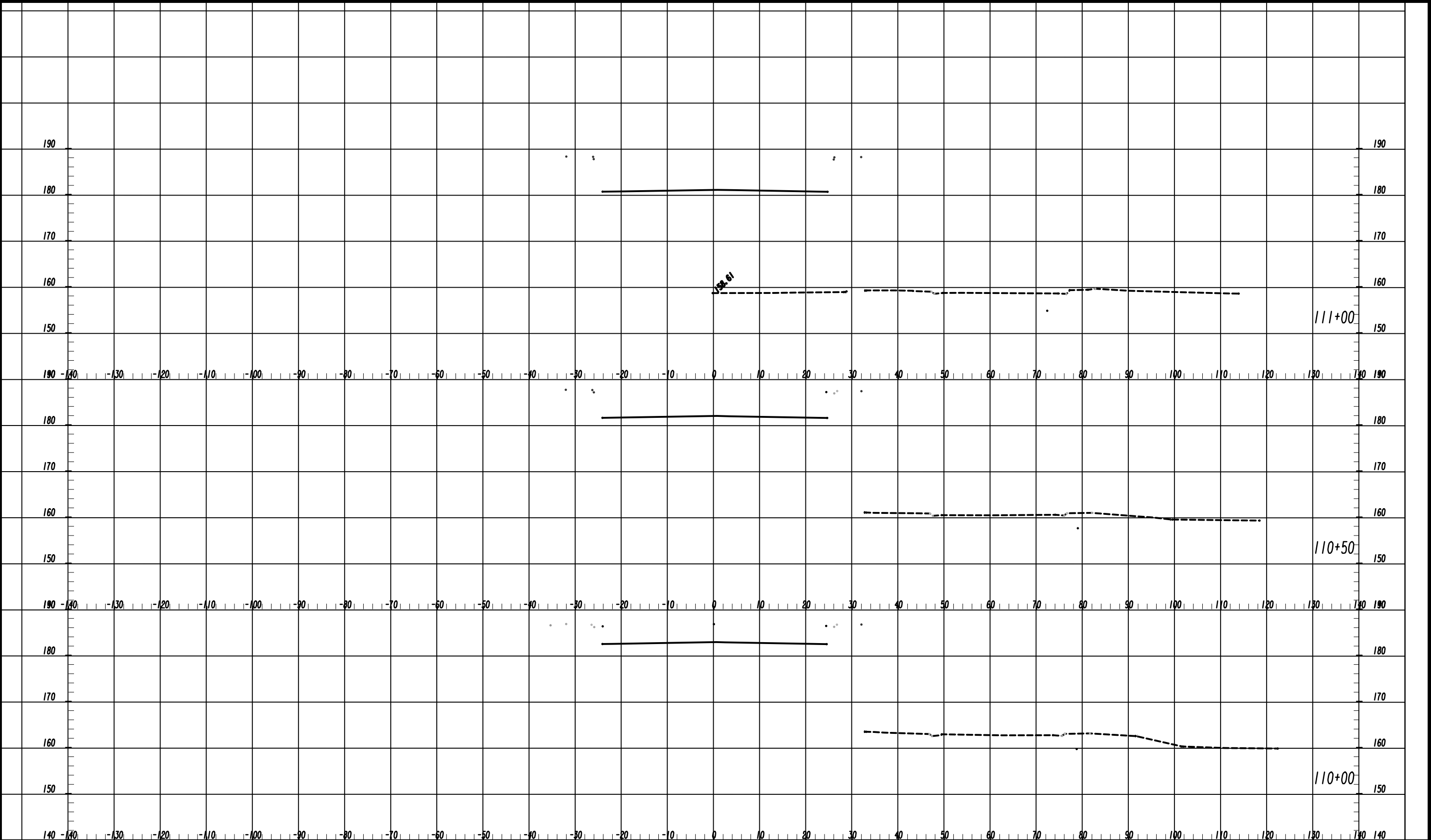
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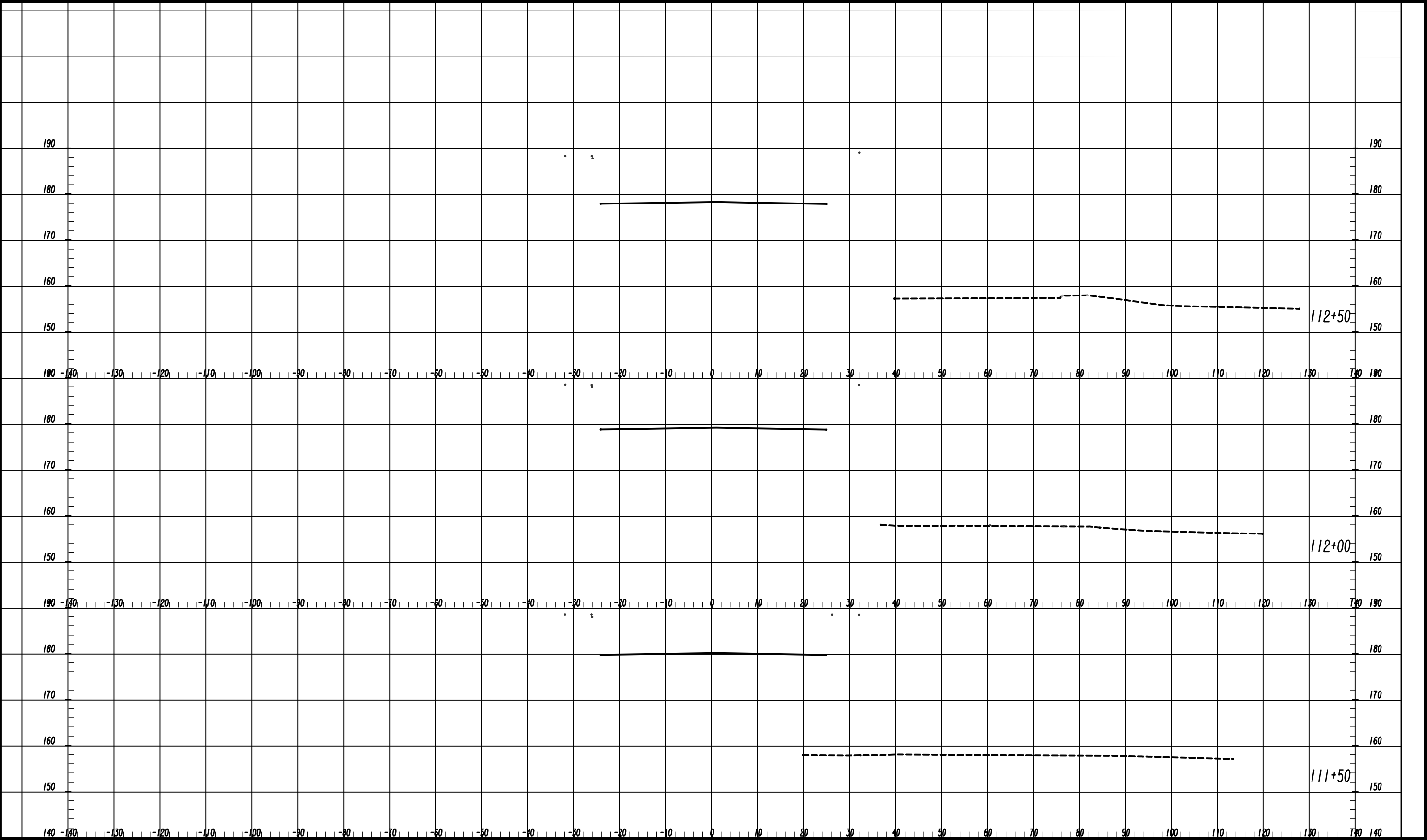
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SCALE: 1" = 10' VERT.
1" = 10' HORIZ.

REVISION DATES		

EARTHWORK CROSS SECTIONS 15TH ST. PEDESTRIAN IMPROVEMENTS FROM GOVERNMENT RD. TO LANEY WALKER BLVD.			
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23-0004



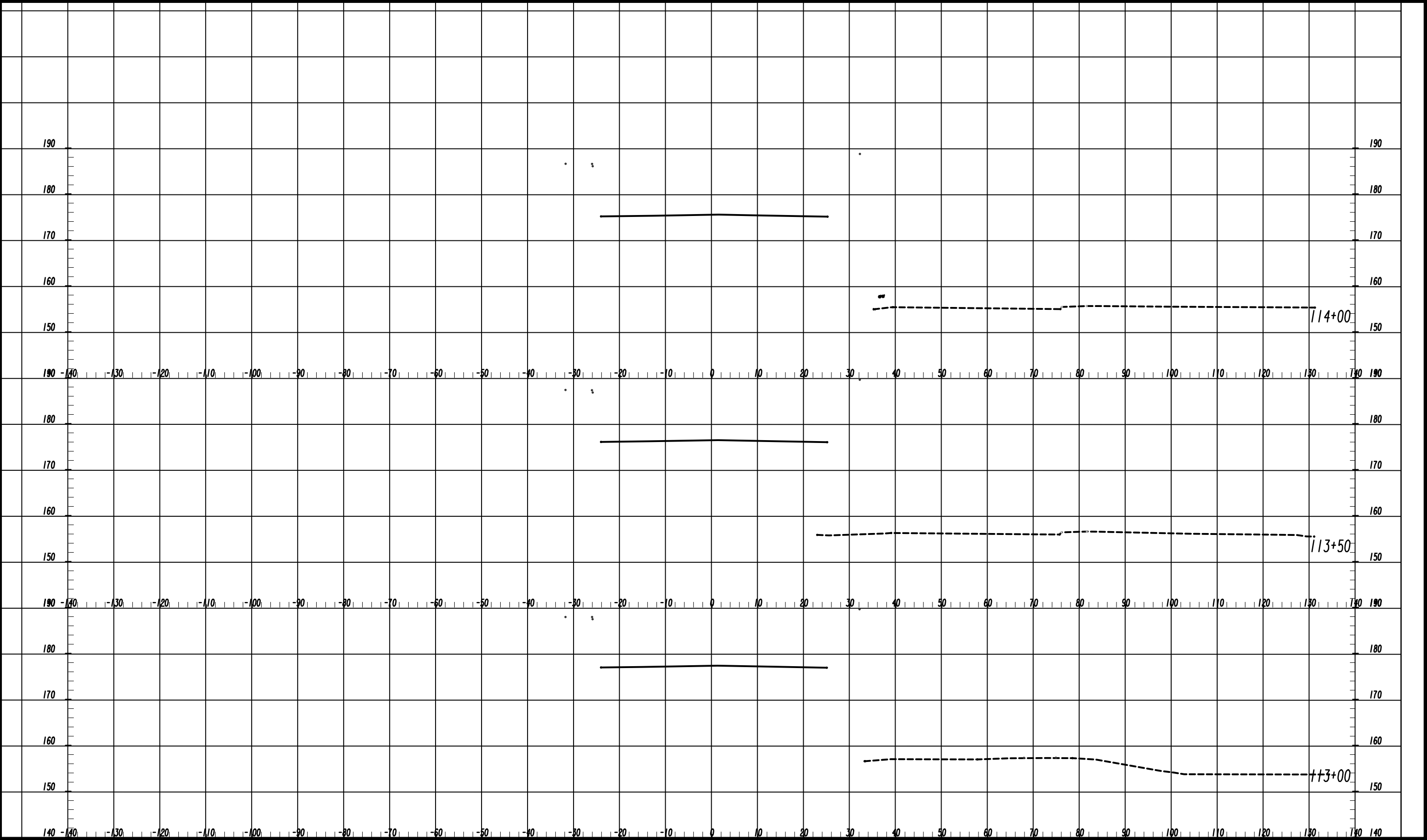
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1" = 10' HORIZ.

REVISION DATES		

EARTHWORK CROSS SECTIONS 15TH ST. PEDESTRIAN IMPROVEMENTS FROM GOVERNMENT RD. TO LANEY WALKER BLVD.		
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BACKCHECKED: _____	DATE: _____	23-0005
CORRECTED: _____	DATE: _____	
VERIFIED: _____	DATE: _____	



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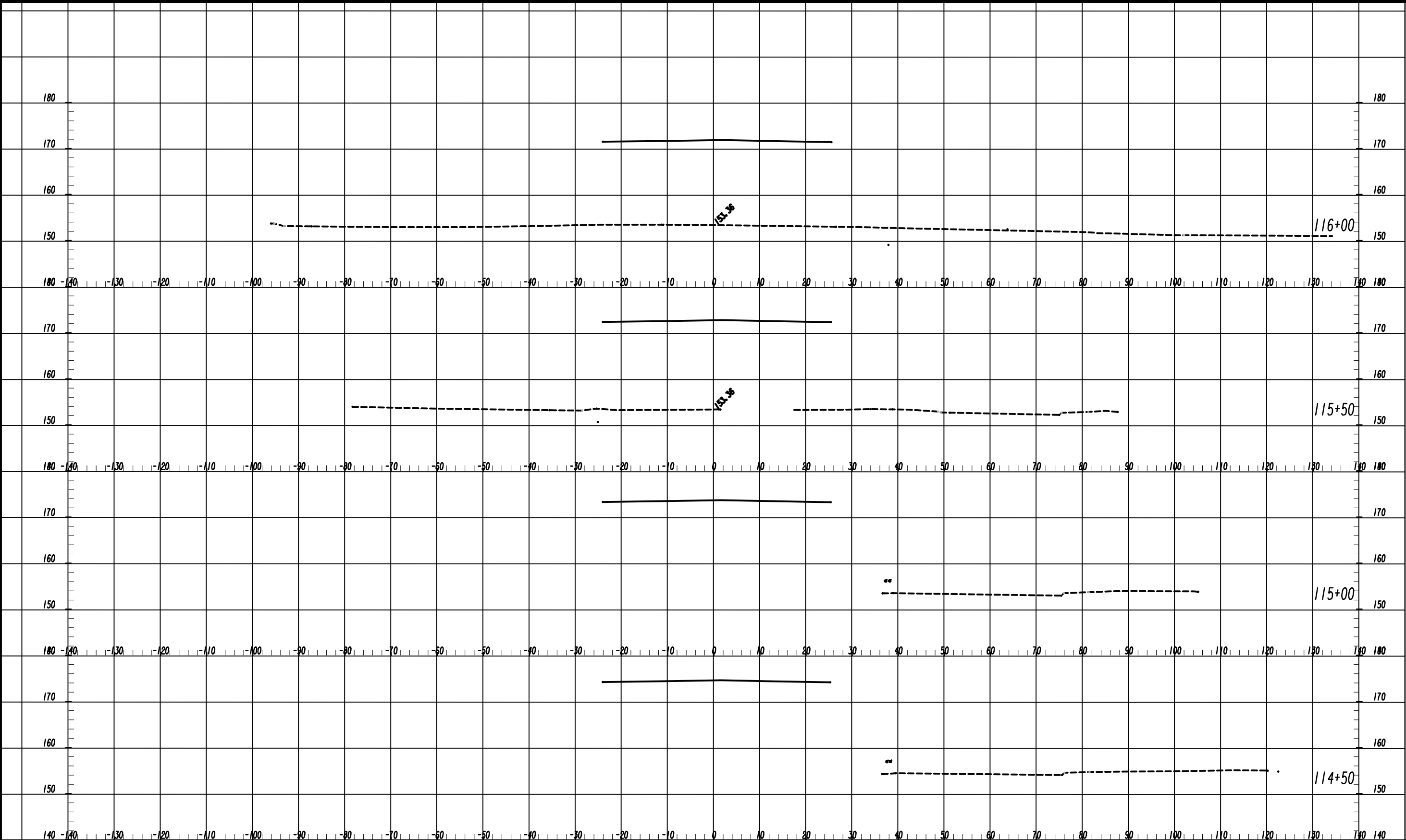
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1" = 10' HORIZ.

REVISION DATES		

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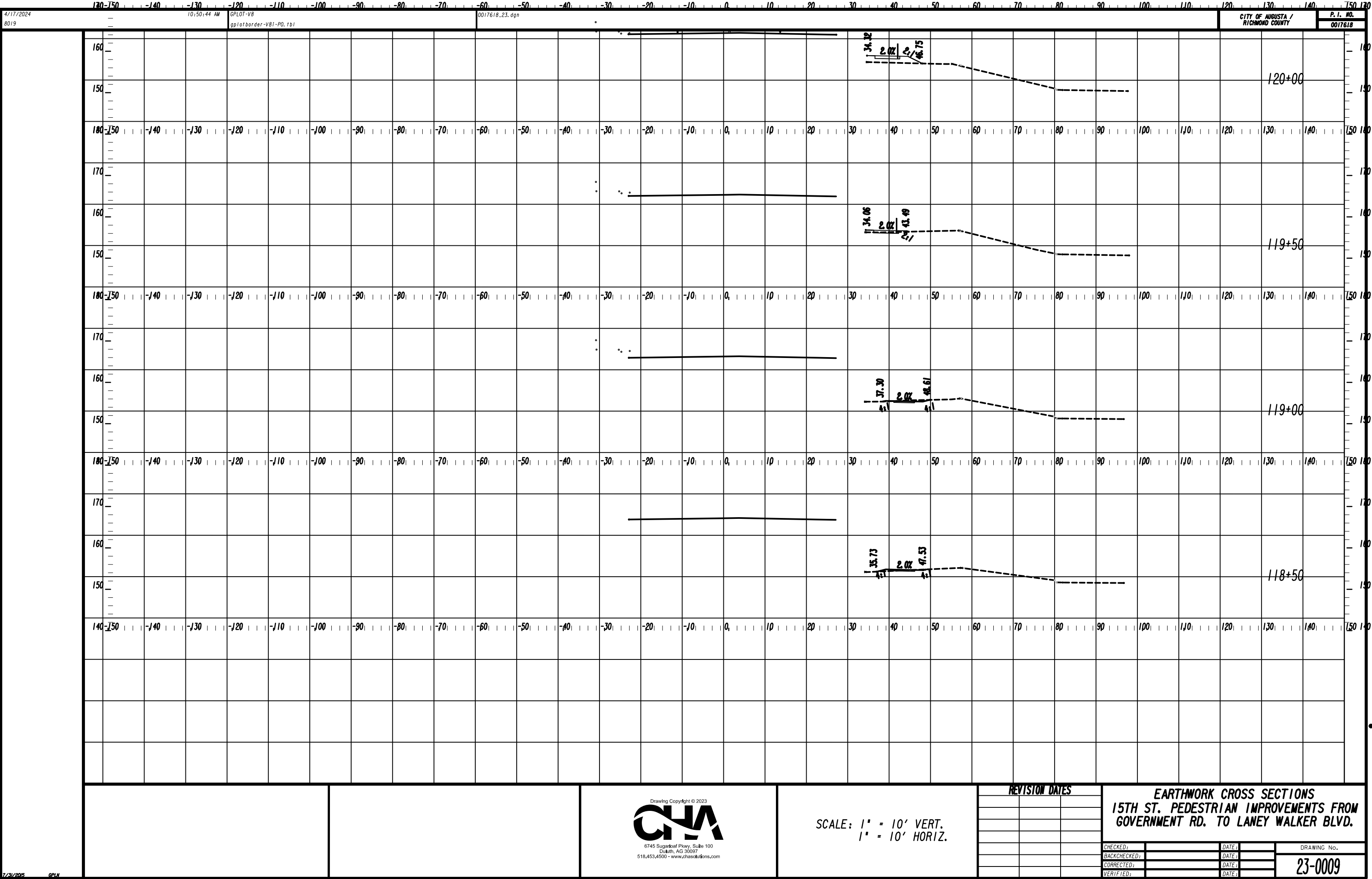
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15TH ST. PEDESTRIAN IMPROVEMENTS FROM
GOVERNMENT RD. TO LANEY WALKER BLVD.

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23-0006	





23-0008



SCALE: 1" = 10' VERT.
1" = 10' HORIZ.

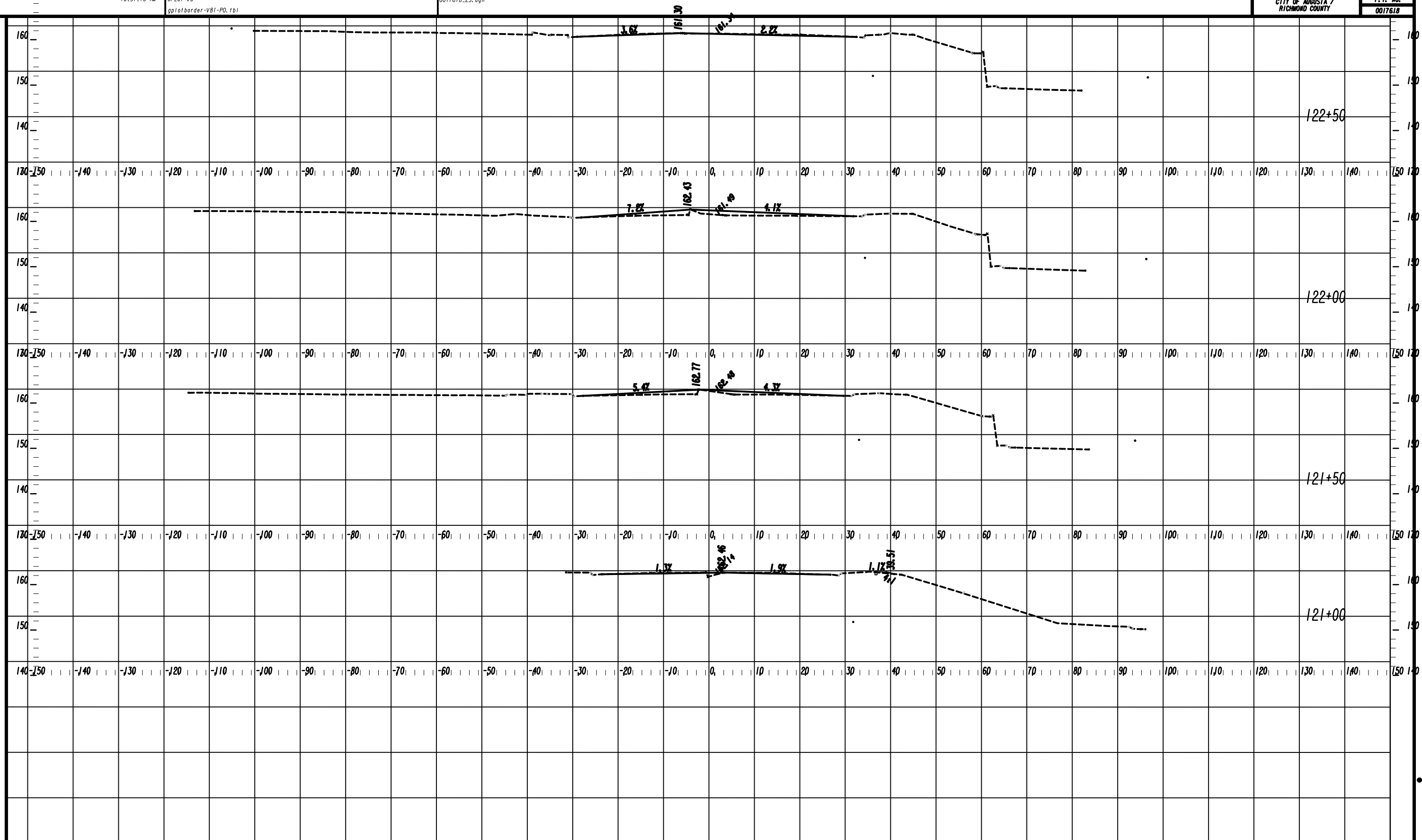
REVISION DATES

EARTHWORK CROSS SECTIONS
15TH ST. PEDESTRIAN IMPROVEMENTS FROM
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DRAWING No.

23-0009



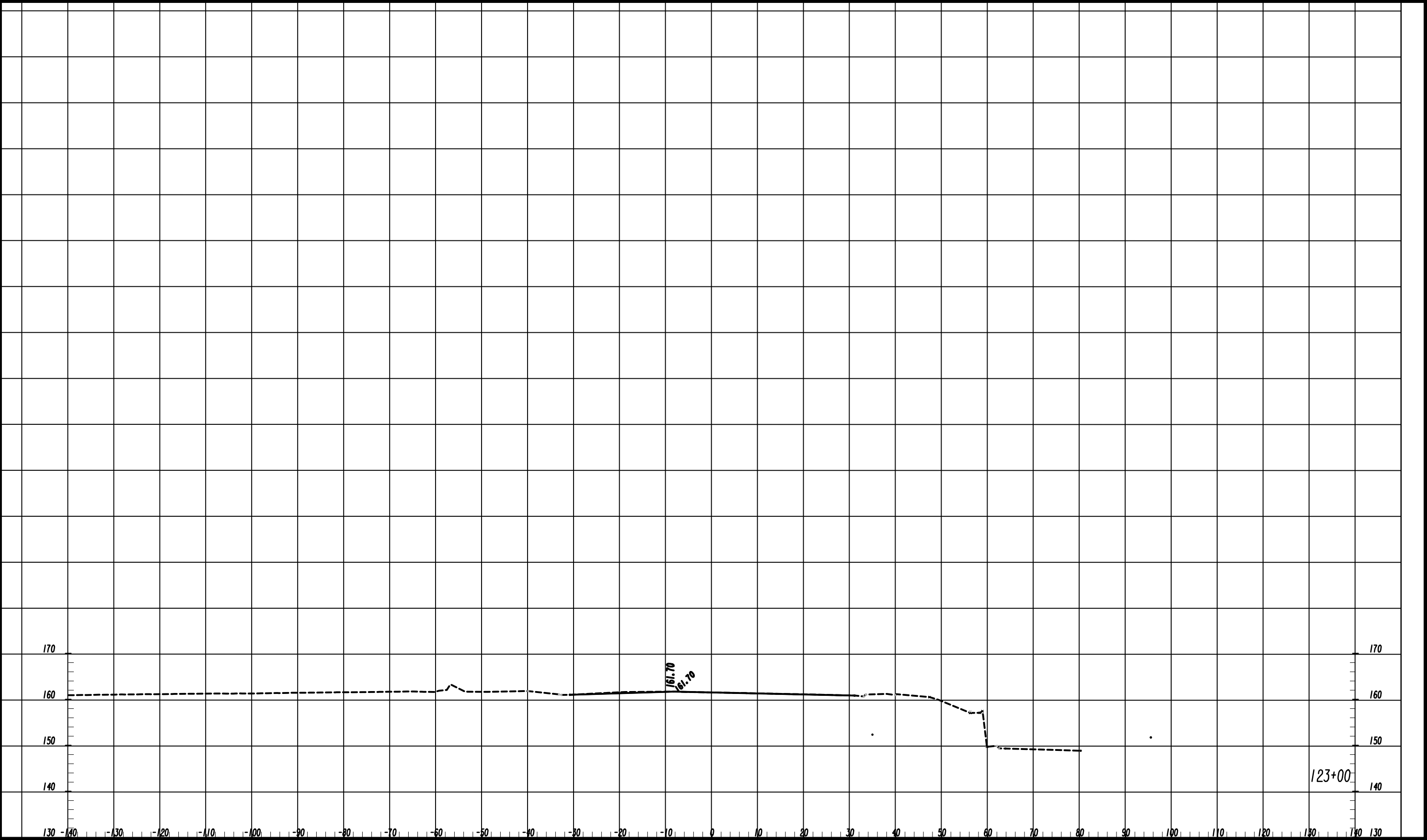
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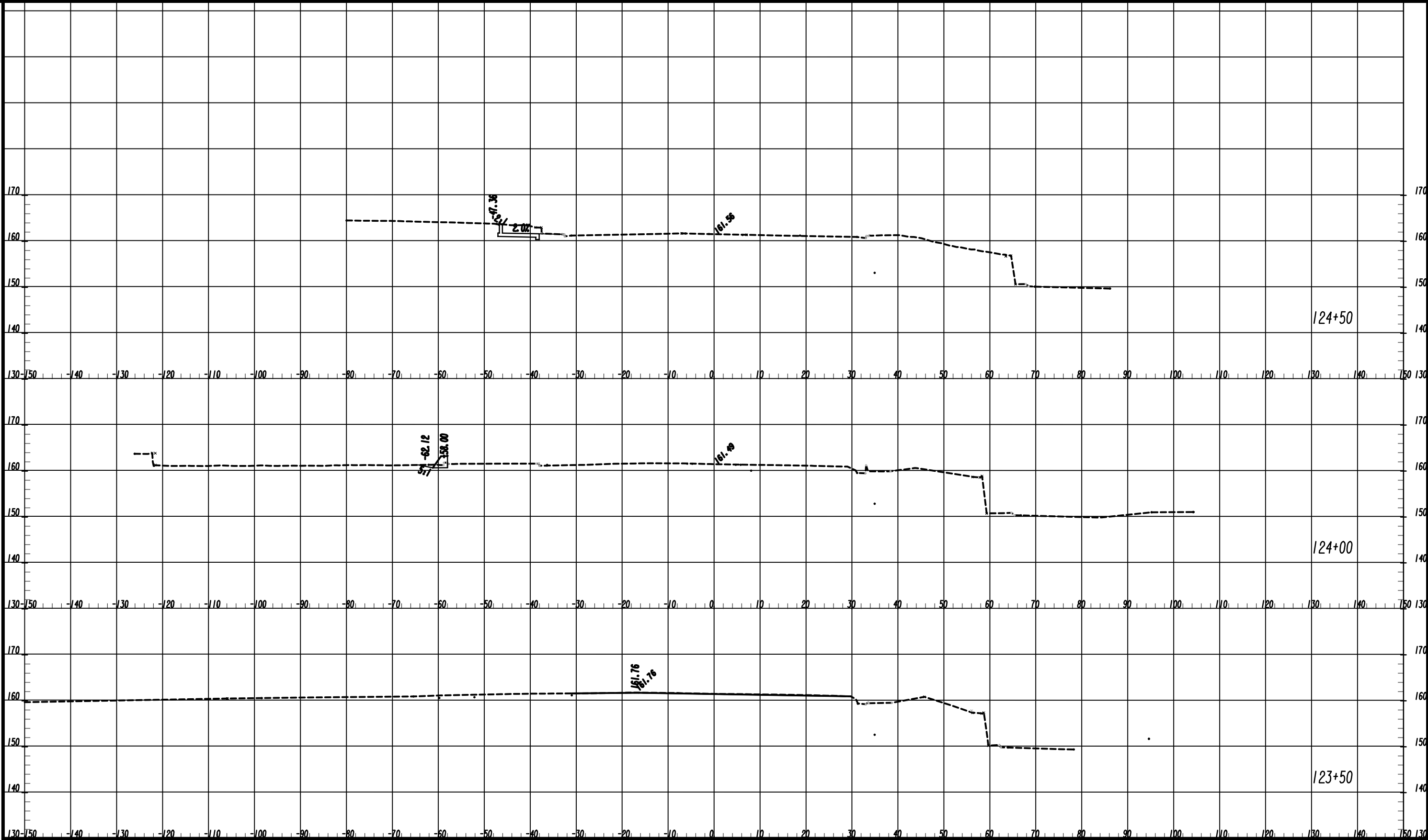
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1" = 10' HORIZ.

REVISION DATES

**EARTHWORK CROSS SECTIONS
15TH ST. PEDESTRIAN IMPROVEMENTS FROM
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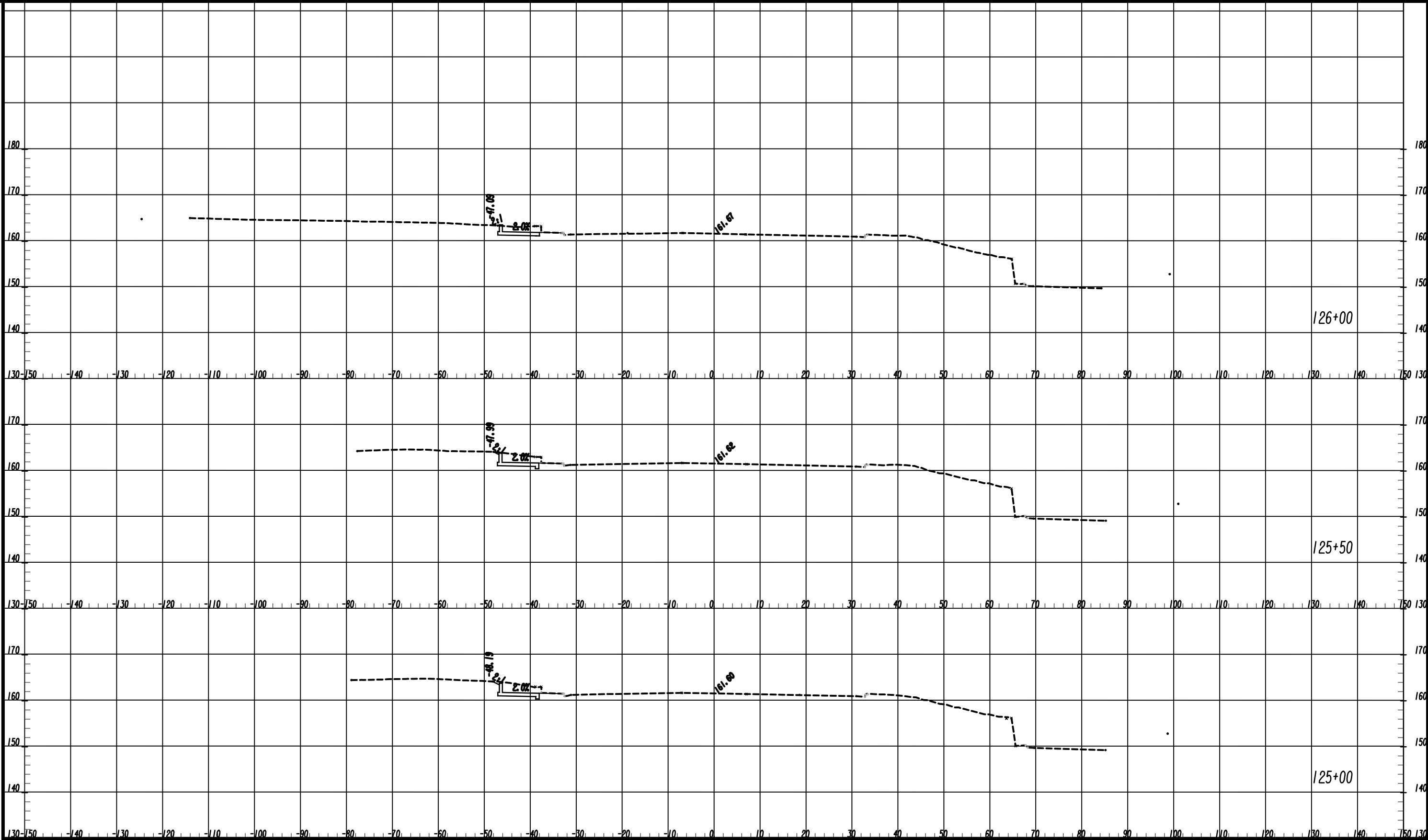
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EARTHWORK CROSS SECTIONS 15TH ST. PEDESTRIAN IMPROVEMENTS FROM GOVERNMENT RD. TO LANEY WALKER BLVD.			
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23-0012



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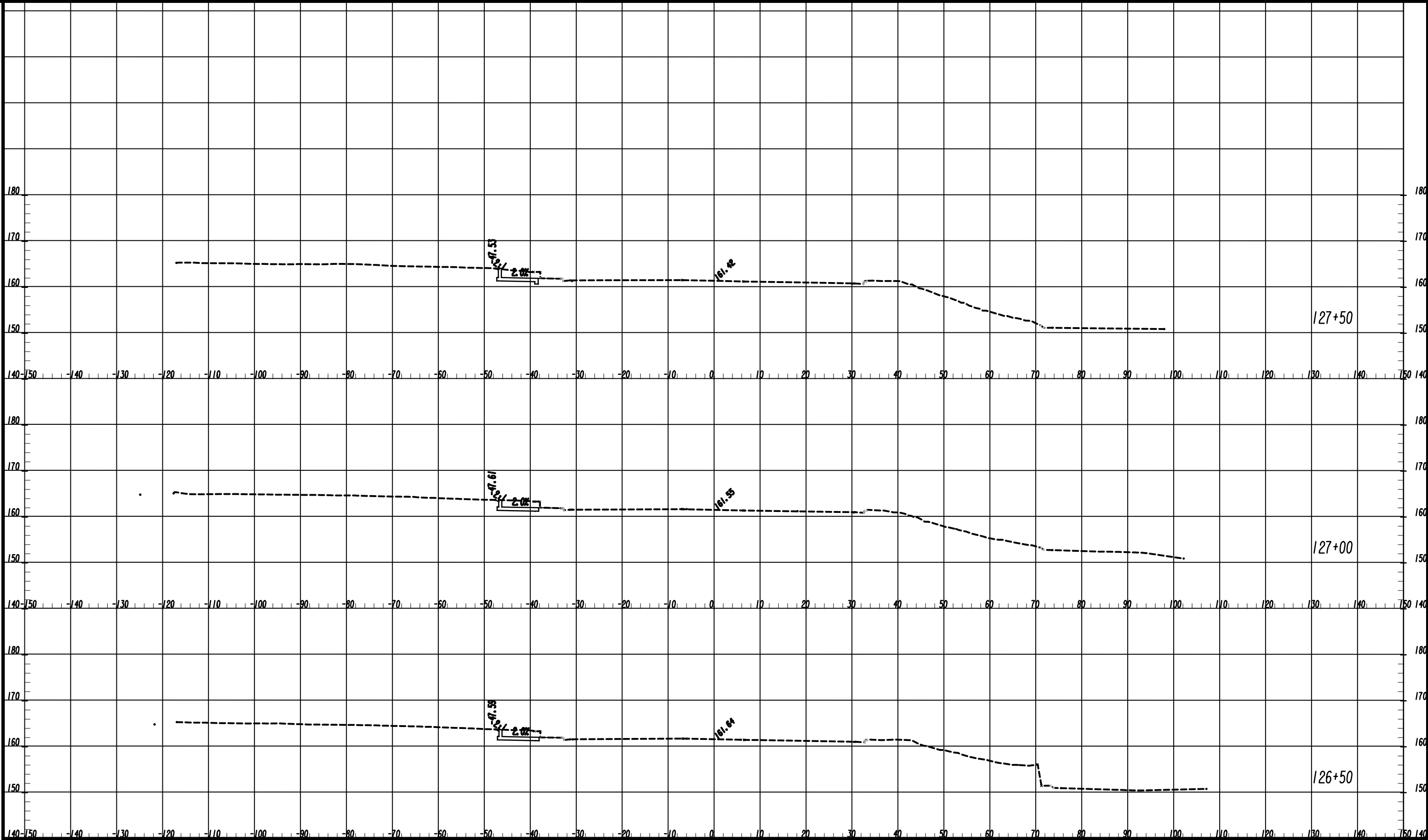
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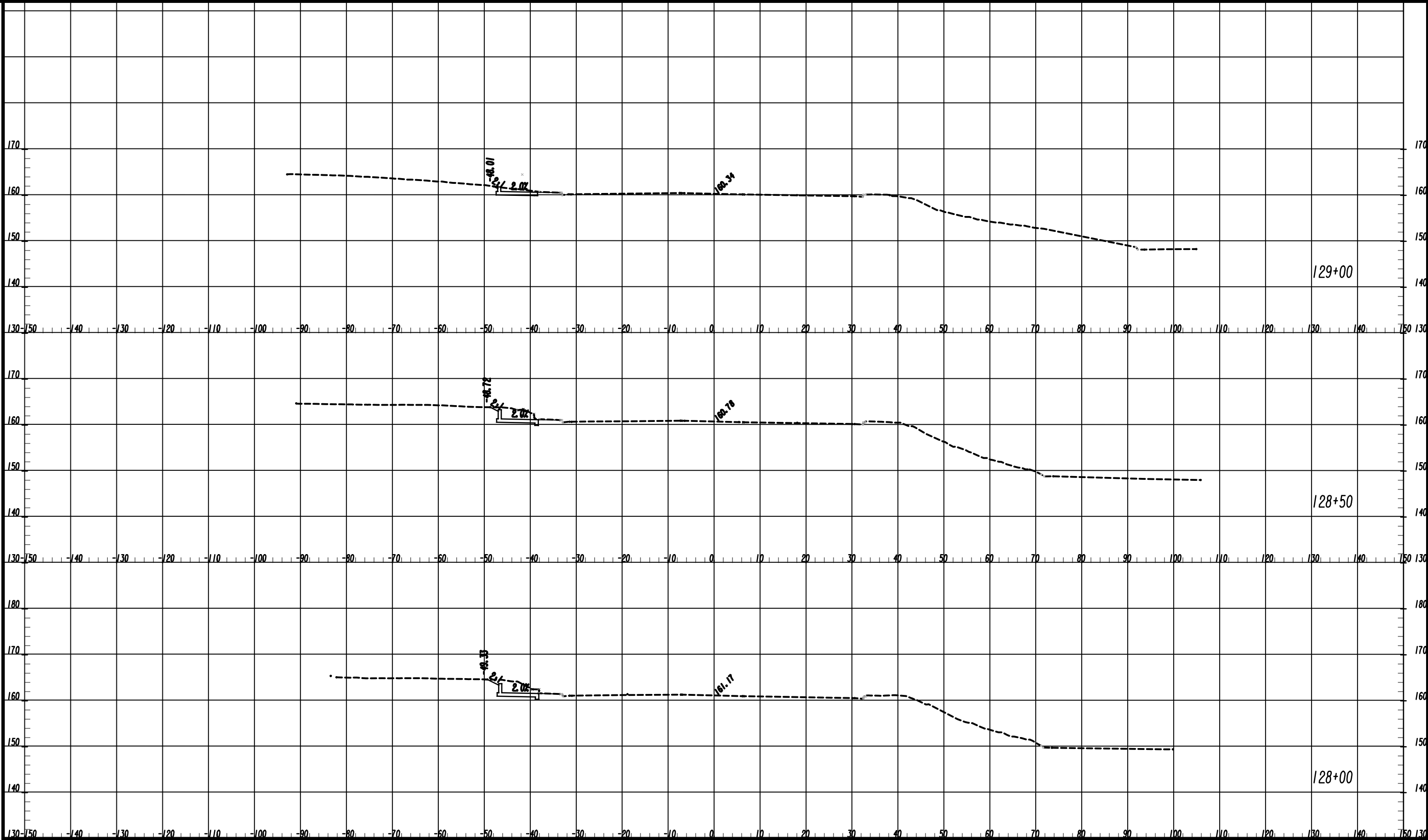
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1" = 10' HORIZ.

REVISION DATES	

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23-0013





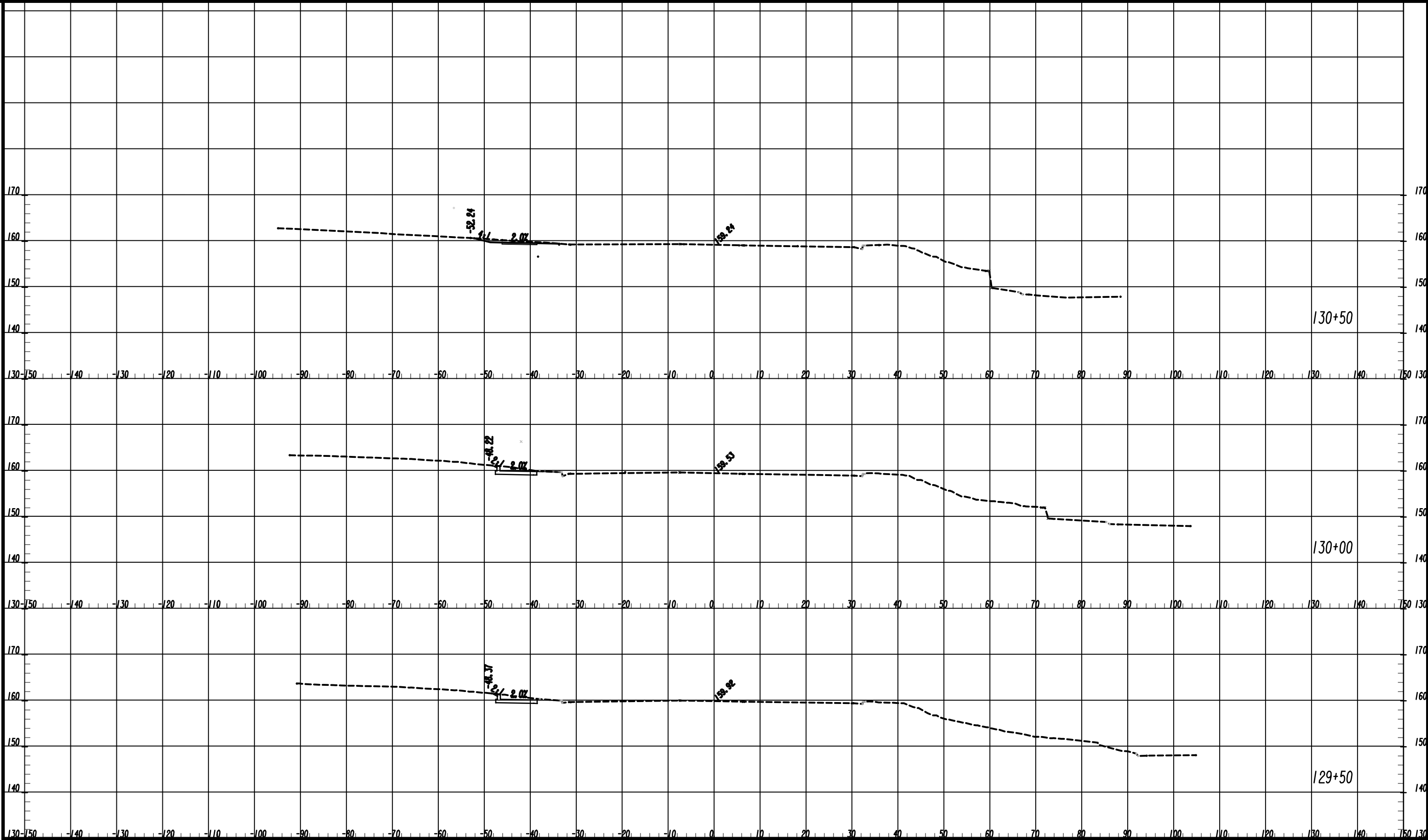
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1" = 10' HORIZ.

REVISION DATES	

EARTHWORK CROSS SECTIONS 15TH ST. PEDESTRIAN IMPROVEMENTS FROM GOVERNMENT RD. TO LANEY WALKER BLVD.	
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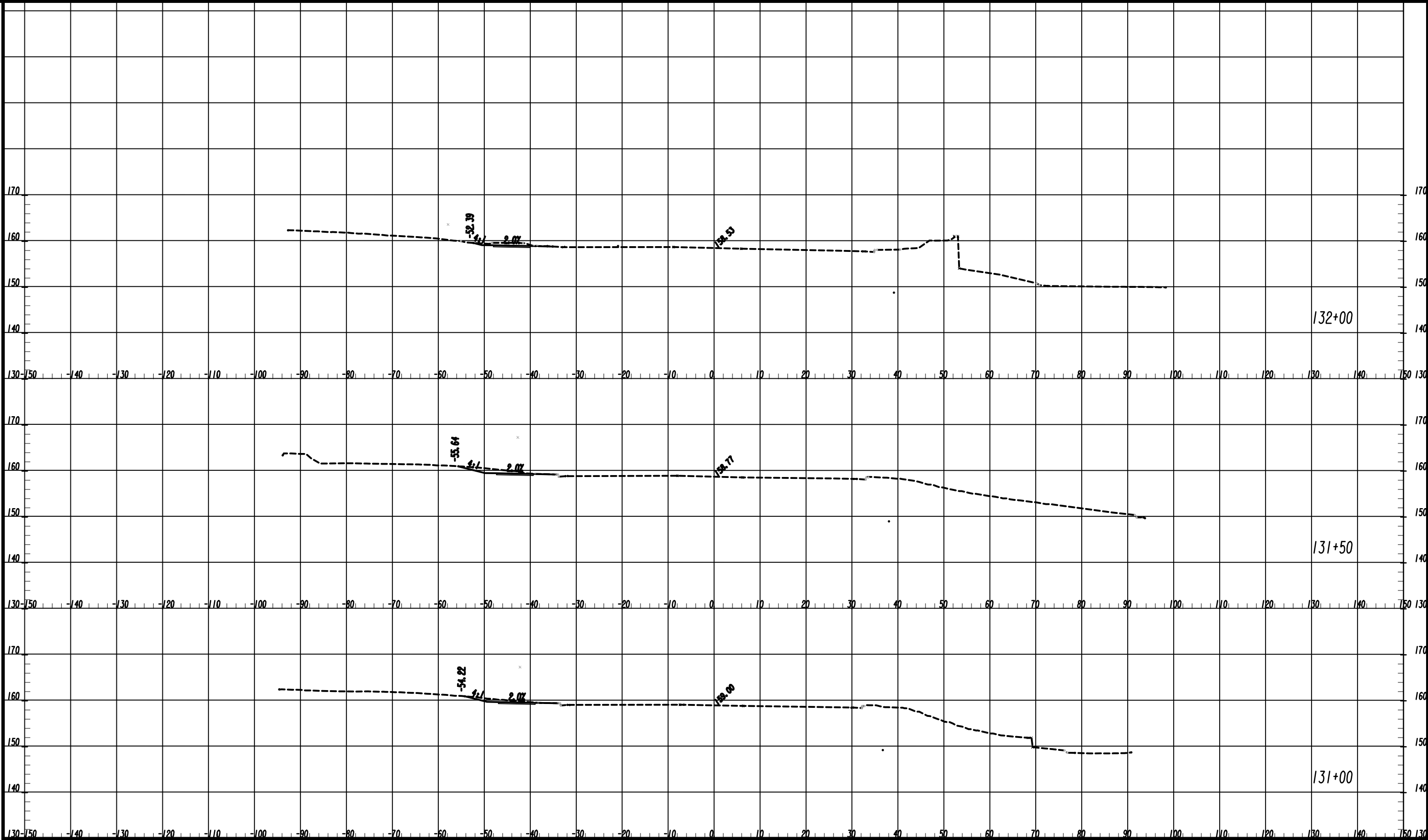
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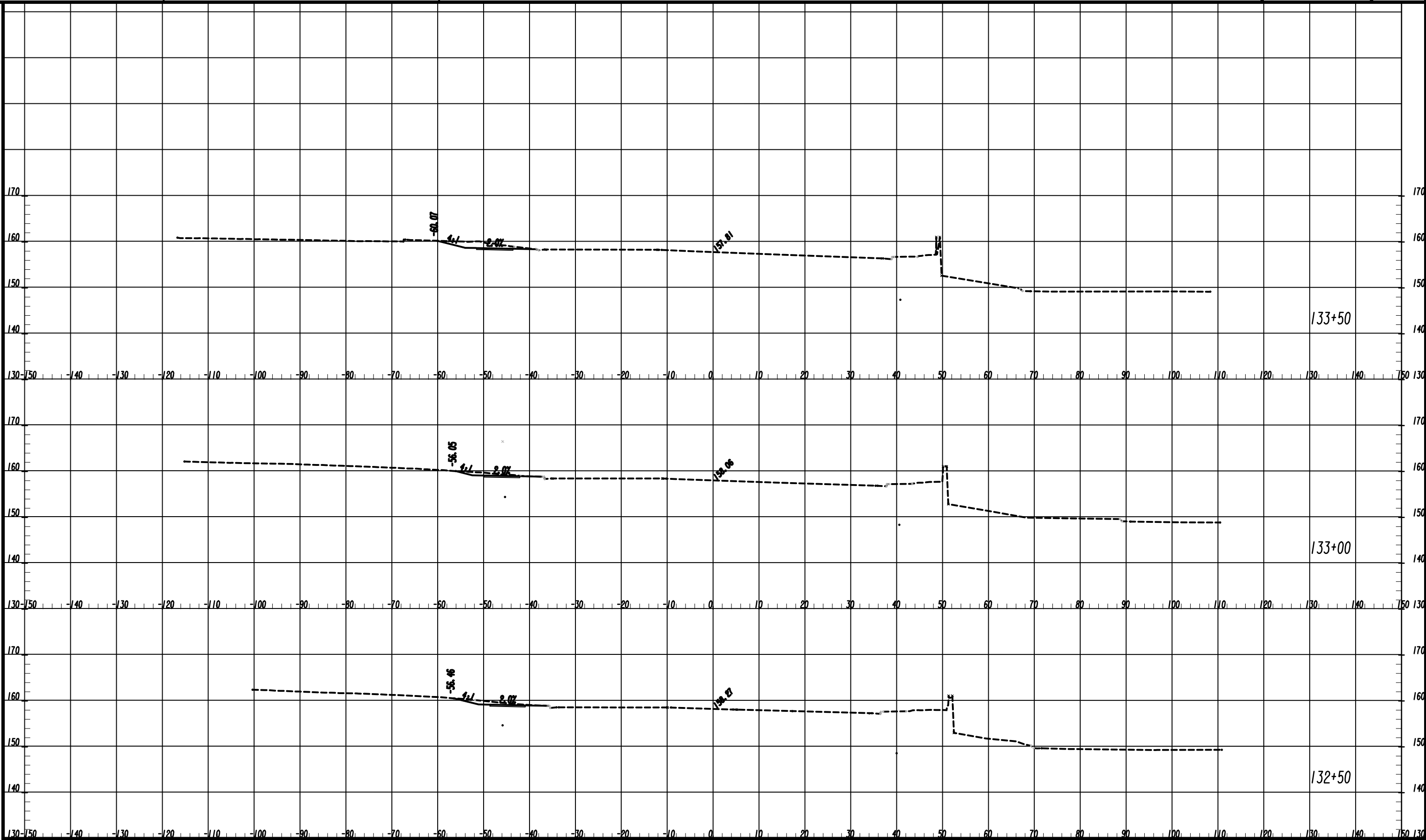
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SCALE: 1" = 10' VERT.
1" = 10' HORIZ.

REVISION DATES	

EARTHWORK CROSS SECTIONS 15TH ST. PEDESTRIAN IMPROVEMENTS FROM GOVERNMENT RD. TO LANEY WALKER BLVD.	
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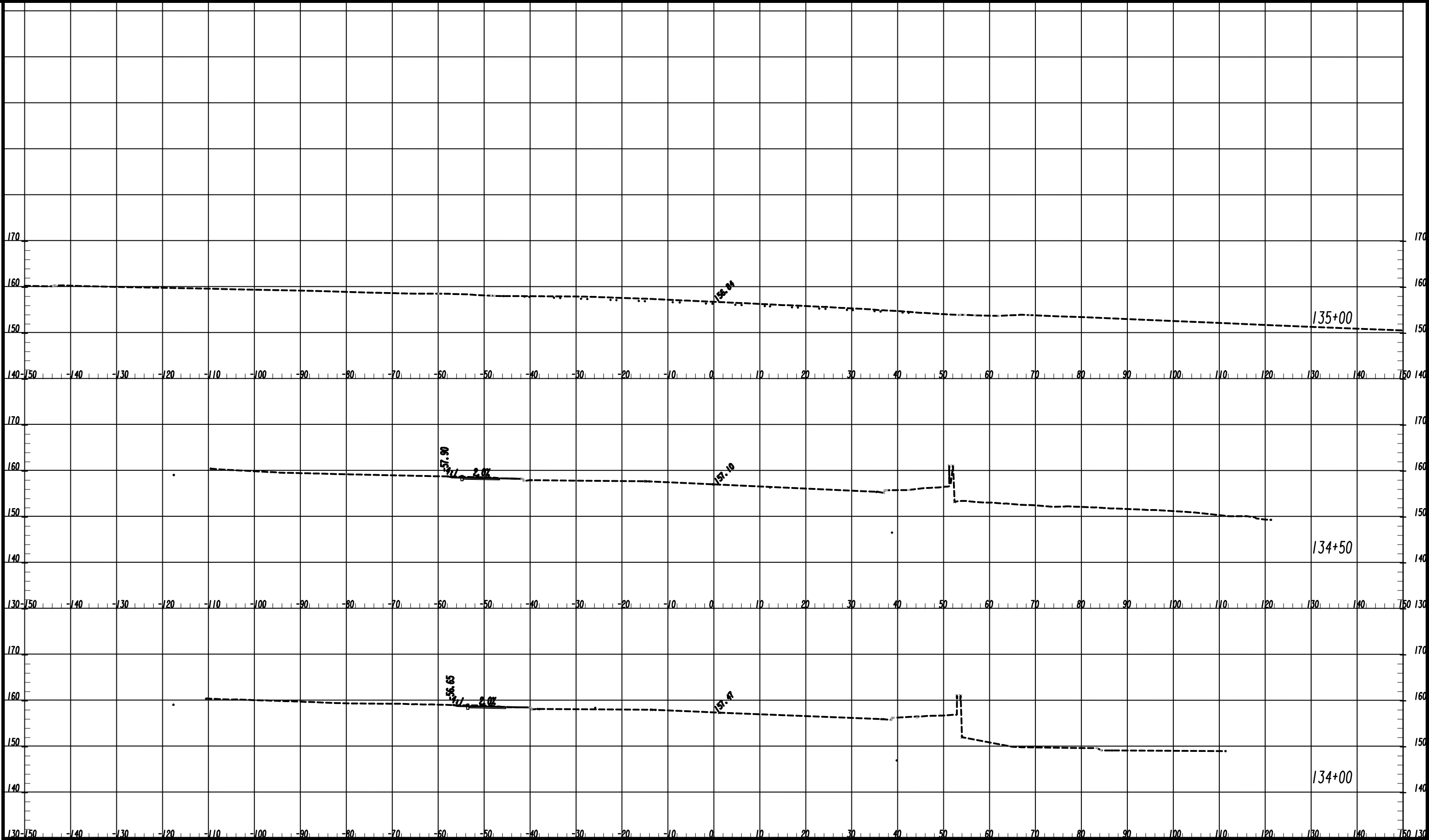
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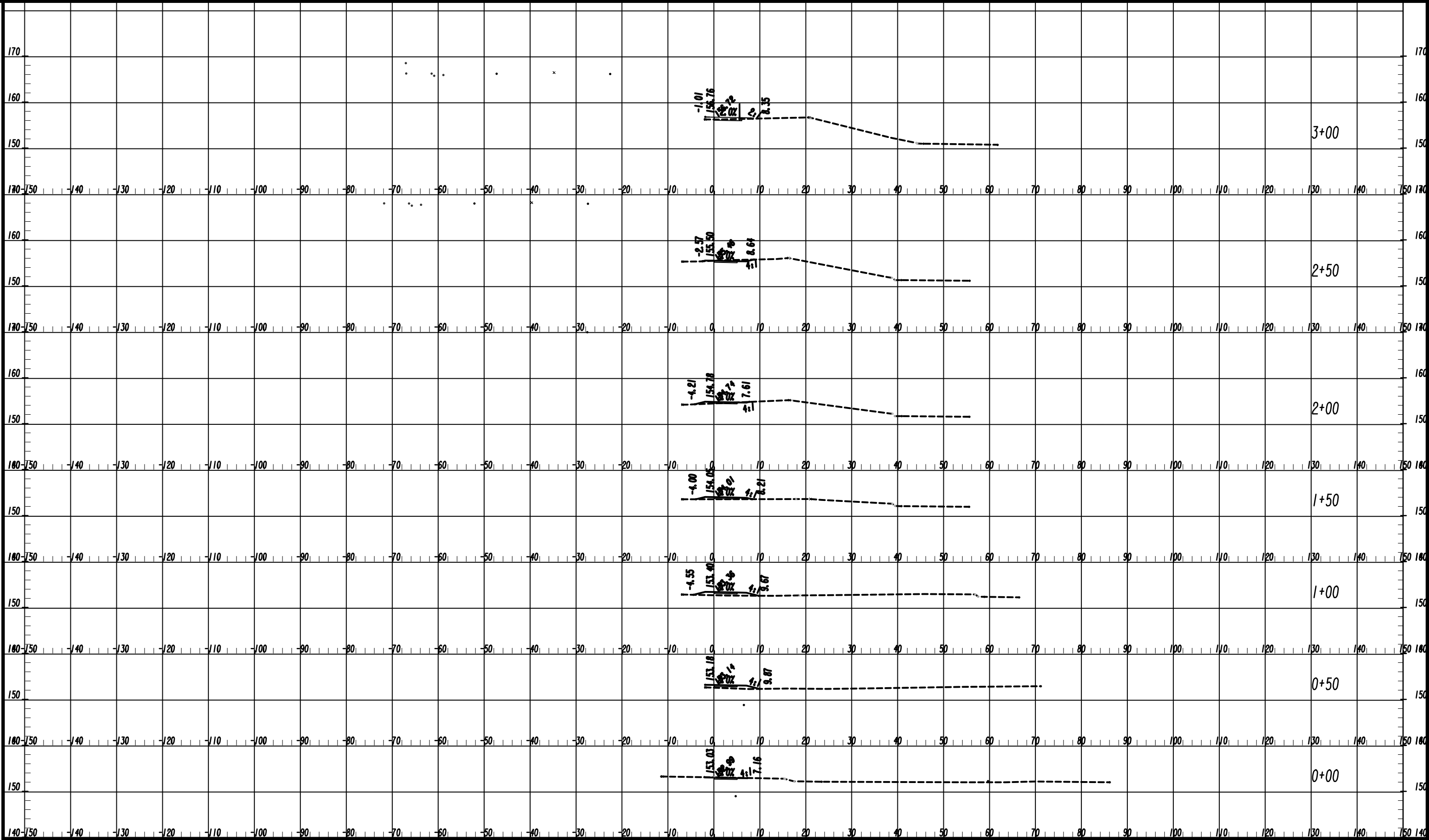
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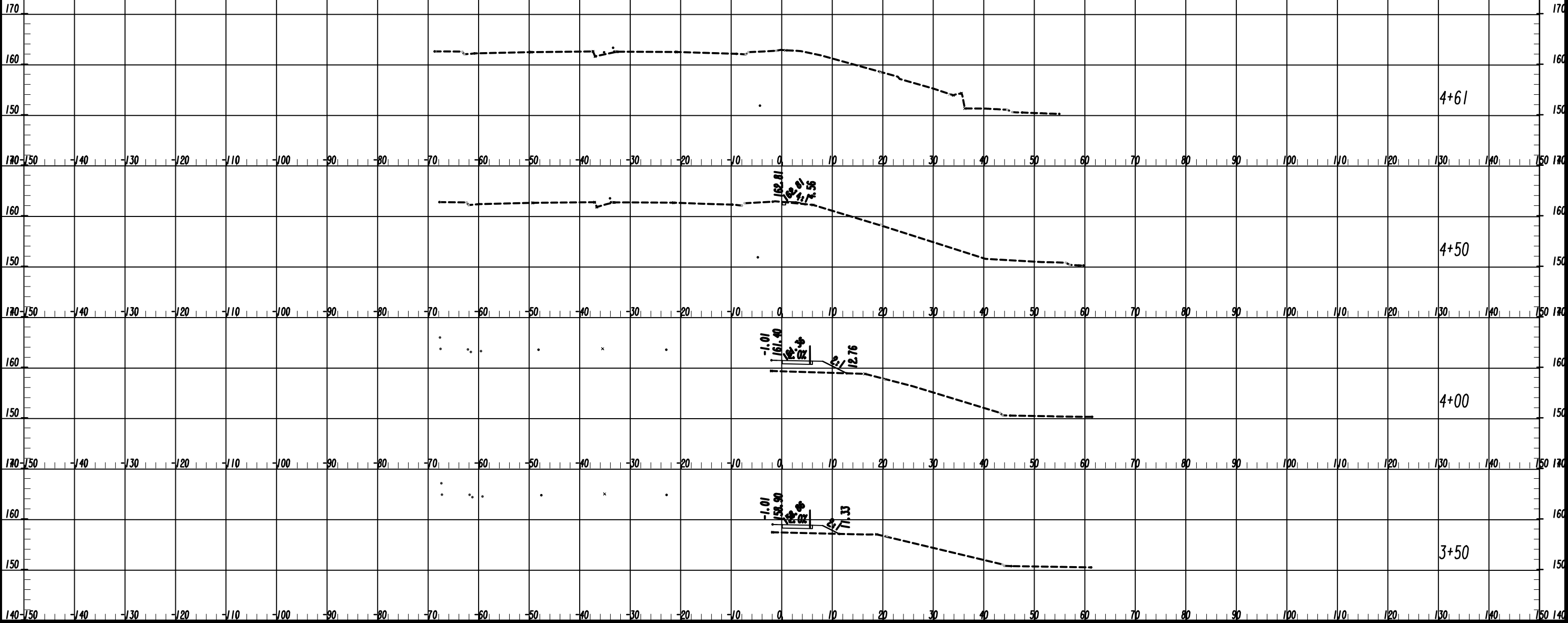
REVISION DATES	

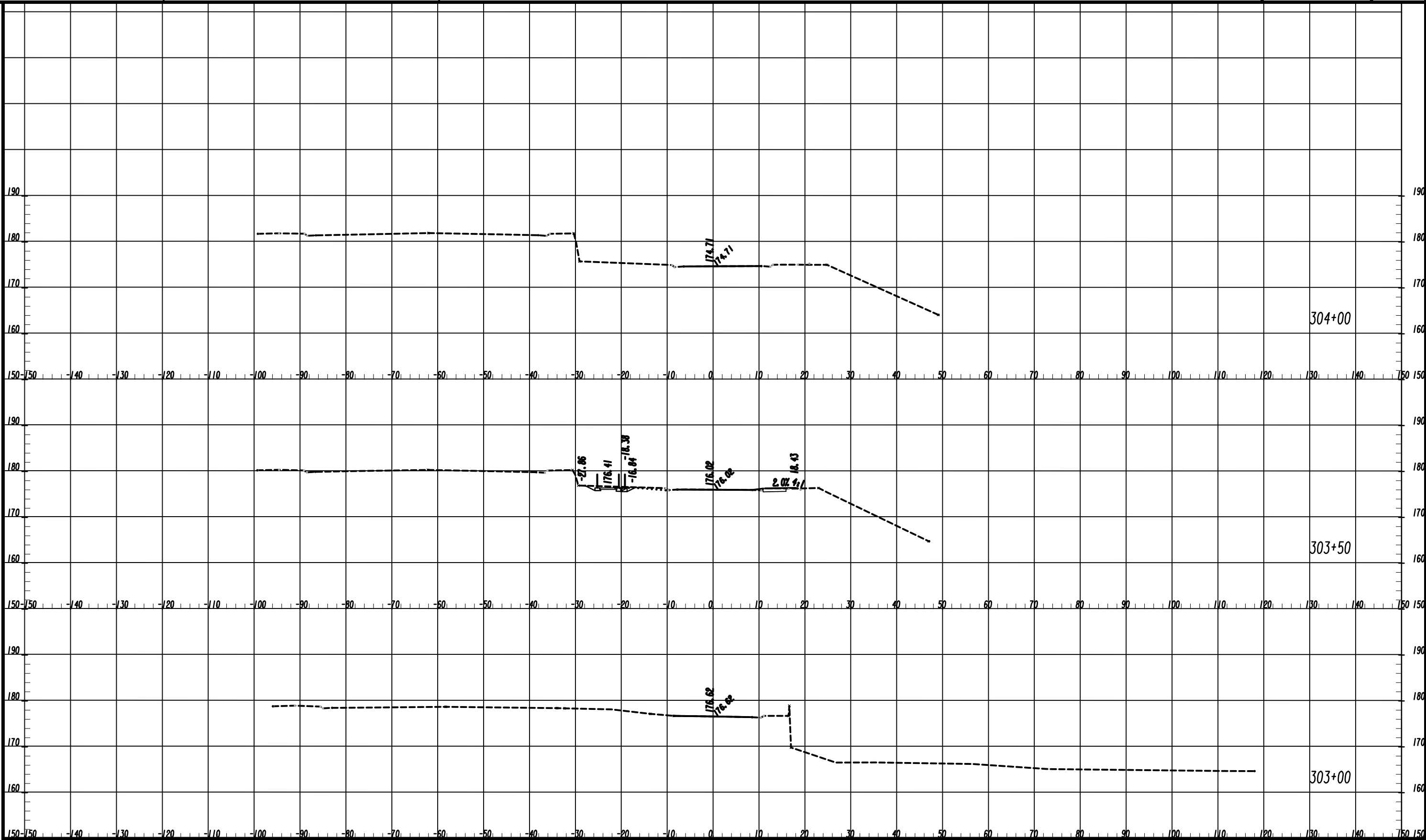
EARTHWORK CROSS SECTIONS 15TH ST. PEDESTRIAN IMPROVEMENTS FROM GOVERNMENT RD. TO LANEY WALKER BLVD.			
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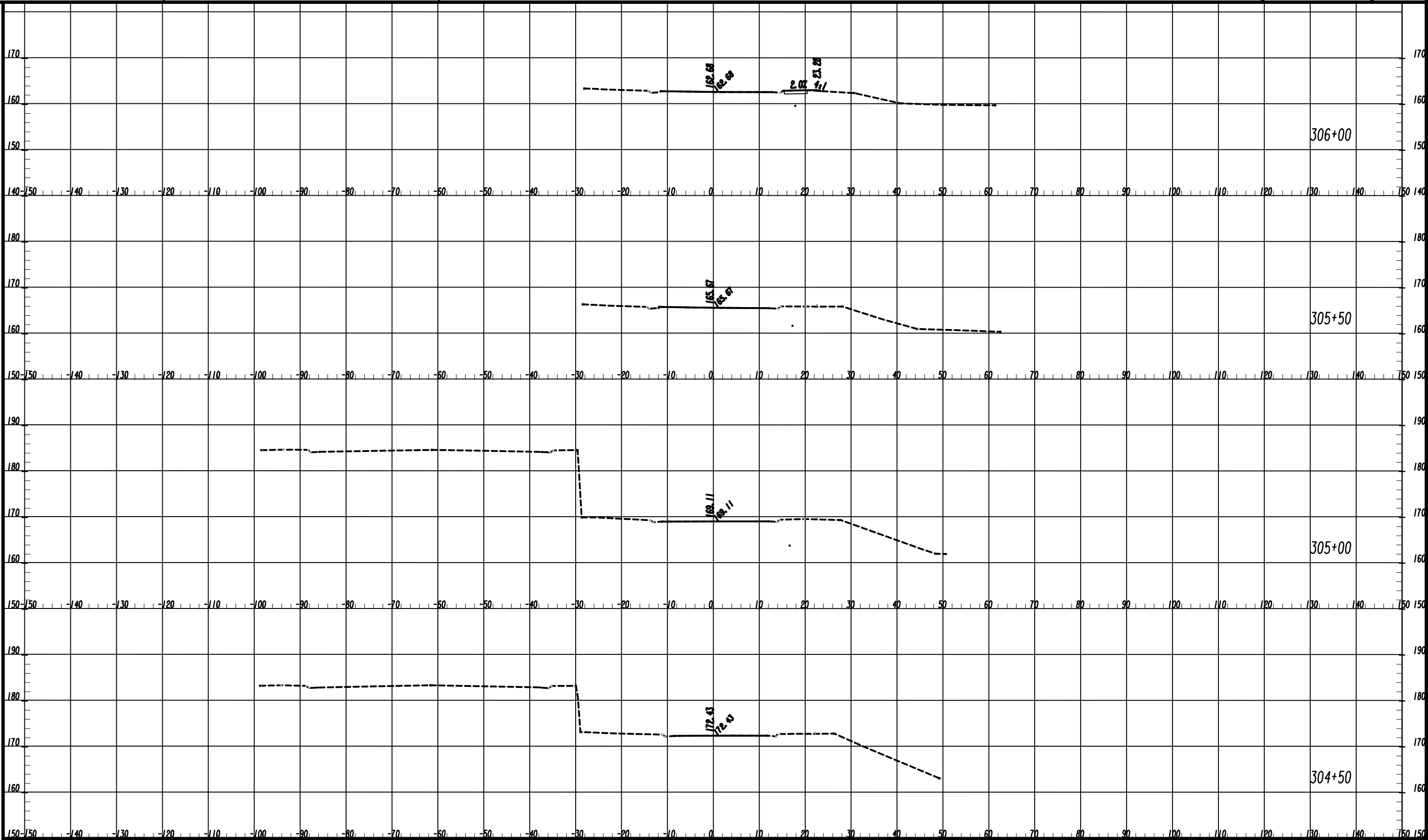
SCALE: 1" = 10' VERT.
1" = 10' HORIZ.

REVISION DATES

EARTHWORK CROSS SECTIONS
15TH ST. PEDESTRIAN IMPROVEMENTS FROM
GOVERNMENT RD. TO LANEY WALKER BLVD.
15TH STREET OFF RAMP

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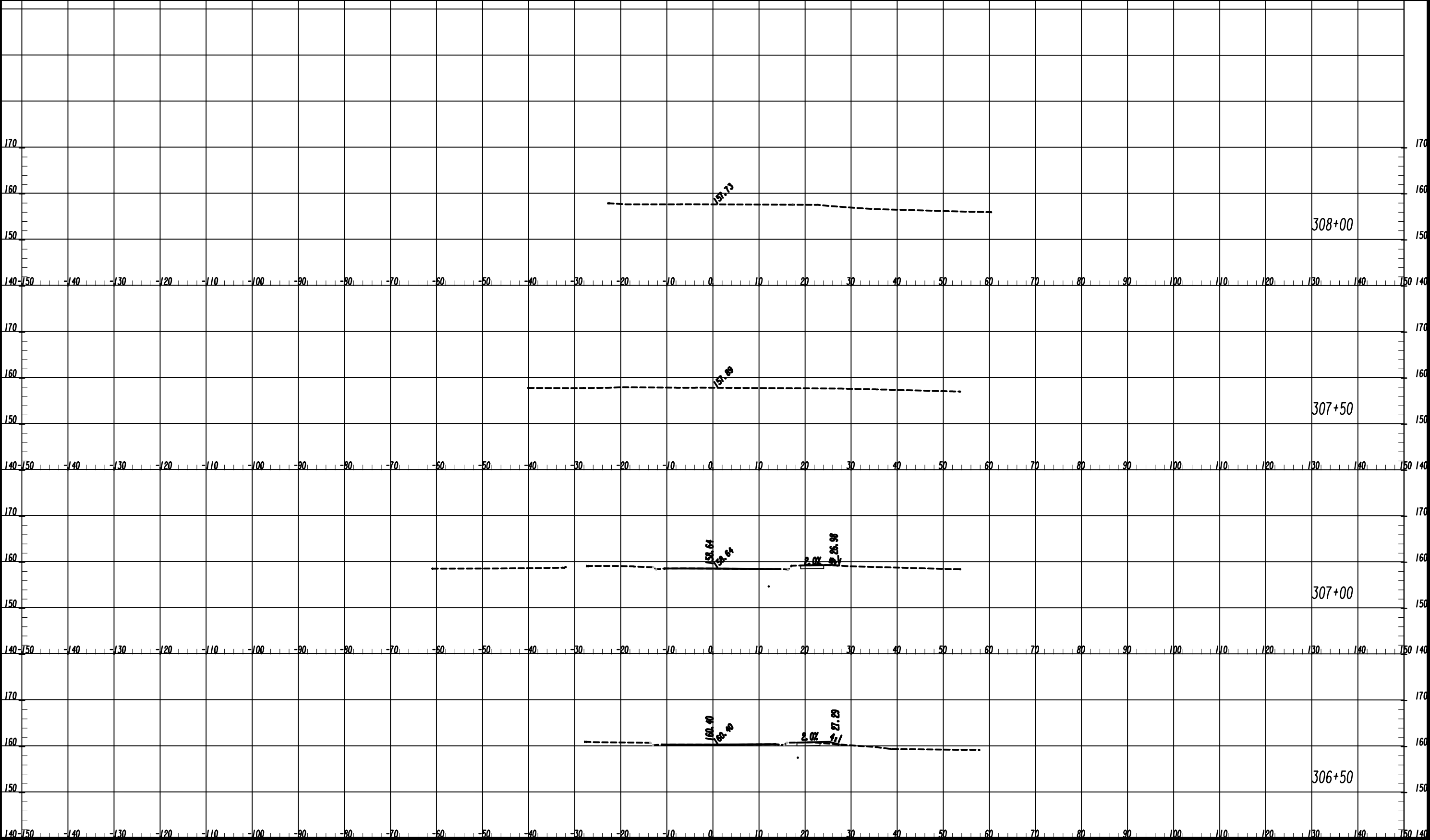
SCALE: 1" = 10' VERT.
1" = 10' HORIZ.

REVISION DATES

EARTHWORK CROSS SECTIONS
15TH ST. PEDESTRIAN IMPROVEMENTS FROM
GOVERNMENT RD. TO LANEY WALKER BLVD.
15TH STREET OFF RAMP

CHECKED:		DATE:		DRAWING No.
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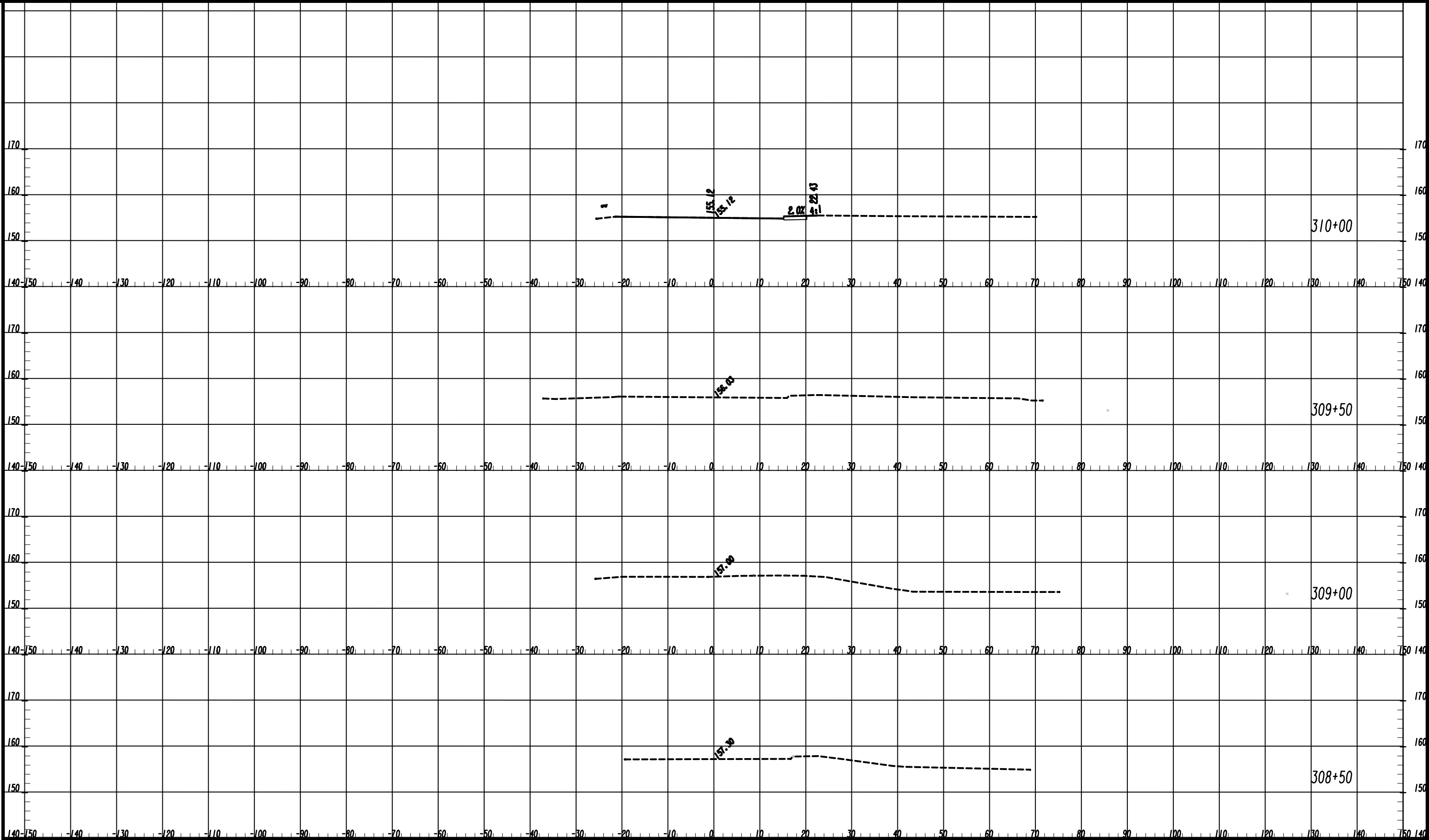
SCALE: 1" = 10' VERT.
1" = 10' HORIZ.

REVISION DATES

EARTHWORK CROSS SECTIONS
15TH ST. PEDESTRIAN IMPROVEMENTS FROM
GOVERNMENT RD. TO LANEY WALKER BLVD.
15TH STREET OFF RAMP

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23-0024



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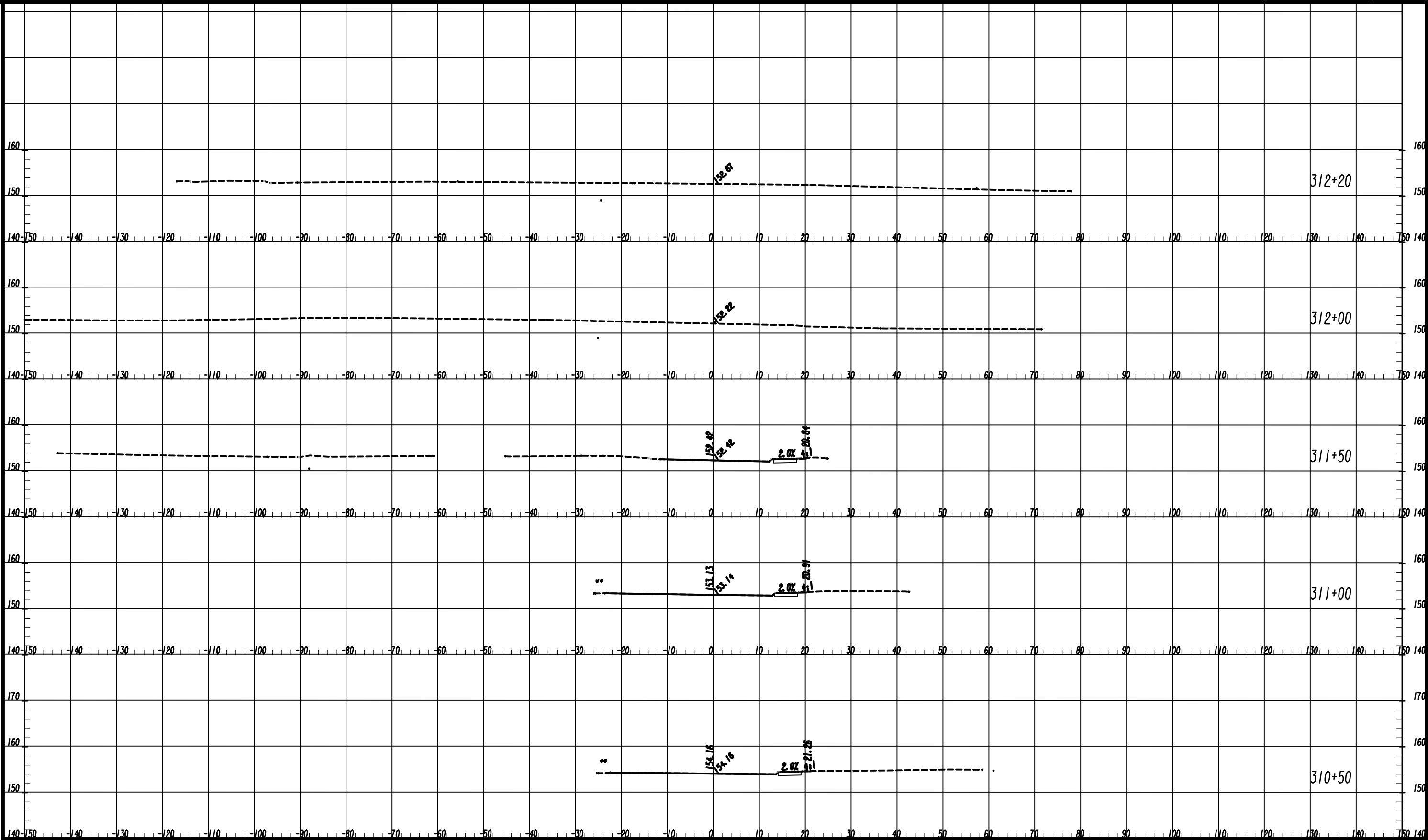
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SCALE: 1" = 10' VERT.
1" = 10' HORIZ.

REVISION DATES	

EARTHWORK CROSS SECTIONS 15TH ST. PEDESTRIAN IMPROVEMENTS FROM GOVERNMENT RD. TO LANEY WALKER BLVD. 15TH STREET OFF RAMP		
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23-0025



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1" = 10' HORIZ.

REVISION DATES

EARTHWORK CROSS SECTIONS
15TH ST. PEDESTRIAN IMPROVEMENTS FROM
GOVERNMENT RD. TO LANEY WALKER BLVD.
15TH STREET OFF RAMP

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VERIFIED:		DATE:	

DRAWING No.

23-0026

EXISTING OVERHEAD	OVERHEAD TO BE REMOVED	PROPOSED OVERHEAD	TYPE OF UTILITY
			ELECTRIC
			ELECTRIC/TELECOMMUNICATIONS
			ELECTRIC/CABLE TV
			ELECTRIC/TRAFFIC CONTROL
			ELECTRIC/TELECOMMUNICATIONS/CABLE TV
			ELECTRIC/TELECOMMUNICATIONS/CABLE TV/TRAFFIC CONTROL
			ELECTRIC/CABLE TV/TRAFFIC CONTROL
			ELECTRIC/TELECOMMUNICATIONS/TRAFFIC CONTROL
			GUY WIRE
			TELECOMMUNICATIONS
			TELECOMMUNICATIONS/TRAFFIC CONTROL
			TELECOMMUNICATIONS/CABLE TV/TRAFFIC CONTROL
			TELECOMMUNICATIONS/CABLE TV
			CABLE TV
			CABLE TV/TRAFFIC CONTROL
			TRAFFIC CONTROL
EXISTING UNDERGROUND	UNDERGROUND TO BE REMOVED	PROPOSED UNDERGROUND	TYPE OF UTILITY
			ELECTRIC (QL-D)
			ELECTRIC (QL-C)
			ELECTRIC (QL-B)
			TELECOMMUNICATIONS (QL-D)
			TELECOMMUNICATIONS (QL-C)
			TELECOMMUNICATIONS (QL-B)
			CABLE TV (QL-D)
			CABLE TV (QL-C)
			CABLE TV (QL-B)
			WATER (QL-D)
			WATER (QL-C)
			WATER (QL-B)
			WATER FOR LABELED PIPE SIZES (QL-D)
			WATER FOR LABELED PIPE SIZES (QL-C)
			WATER FOR LABELED PIPE SIZES (QL-B)
			NON-POTABLE WATER (QL-D)
			NON-POTABLE WATER (QL-C)
			NON-POTABLE WATER (QL-B)
			NON-POTABLE WATER FOR LABELED PIPE SIZES (QL-D)
			NON-POTABLE WATER FOR LABELED PIPE SIZES (QL-C)
			NON-POTABLE WATER FOR LABELED PIPE SIZES (QL-B)
			STEAM (QL-D)
			STEAM (QL-C)
			STEAM (QL-B)
			STEAM FOR LABELED PIPE SIZES (QL-D)
			STEAM FOR LABELED PIPE SIZES (QL-C)
			STEAM FOR LABELED PIPE SIZES (QL-B)
			SANITARY SEWER WITH FLOW DIRECTION (QL-D)
			SANITARY SEWER WITH FLOW DIRECTION (QL-C)
			SANITARY SEWER WITH FLOW DIRECTION (QL-B)
			SANITARY SEWER WITH FLOW DIRECTION FOR LABELED PIPE SIZES (QL-D)
			SANITARY SEWER WITH FLOW DIRECTION FOR LABELED PIPE SIZES (QL-C)
			SANITARY SEWER WITH FLOW DIRECTION FOR LABELED PIPE SIZES (QL-B)
			SANITARY SEWER FORCE MAIN WITH FLOW DIRECTION (QL-D)
			SANITARY SEWER FORCE MAIN WITH FLOW DIRECTION (QL-C)
			SANITARY SEWER FORCE MAIN WITH FLOW DIRECTION (QL-B)
			GAS (QL-D)
			GAS (QL-C)
			GAS (QL-B)
			GAS FOR LABELED PIPE SIZES (QL-D)
			GAS FOR LABELED PIPE SIZES (QL-C)
			GAS FOR LABELED PIPE SIZES (QL-B)
			PETROLEUM (QL-D)
			PETROLEUM (QL-C)
			PETROLEUM (QL-B)
			PETROLEUM FOR LABELED PIPE SIZES (QL-D)
			PETROLEUM FOR LABELED PIPE SIZES (QL-C)
			PETROLEUM FOR LABELED PIPE SIZES (QL-B)
			TRAFFIC CONTROL (QL-D)
			TRAFFIC CONTROL (QL-C)
			TRAFFIC CONTROL (QL-B)
			UNKNOWN UTILITY FOUND IN SUE INVESTIGATION (QL-B)

UTILITY LEGEND

EXISTING	PROPOSED	TEMPORARY		EXISTING	PROPOSED	TEMPORARY	
			ELECTRIC MANHOLE				WELL
			HAND HOLE				WATER VAULT
			TRANSFORMER				WATER VALVE MARKER
			ELECTRIC METER				STAND PIPE
			UTILITY POLE/GUY POLE				CLEANOUT
			LIGHT POLE				SANITARY SEWER MANHOLE
			GUY ANCHOR				AIR RELEASE VALVE
			ELECTRIC BOX				GREASE TRAP
			MARKER				SANITARY SEWER FORCE MAIN VALVE
			TELECOMMUNICATIONS MANHOLE				VENT
			TELECOMMUNICATIONS PEDESTAL				GAS VALVE
			SPLICE BOX				GAS METER
			SUBSCRIBER LOOP CARRIER (aka 'SLICK')				GAS MANHOLE
			CABINET				GAS PRESSURE REGULATOR
			PHONE BOOTH				GAS VAULT
			CABLE TV PEDESTAL				GAS TEST STATION
			CABLE TV MANHOLE				PETROLEUM VALVE
			WATER VALVE	MISC. LOSTH EOI			
			WATER METER				
			WATER MANHOLE				
			FIRE HYDRANT ASSEMBLY (INCLUDES ASSOCIATED VALVE)				
			BACKFLOW PREVENTER				
			PRESSURE INDICATOR VALVE				
			AIR RELEASE VALVE				

QUALITY LEVELS AND DEFINITIONS

- QL-D DEPICTED ACCORDING TO UTILITY RECORD INFORMATION AND IN-FIELD VISUAL INSPECTION. NO ELECTRONIC DESIGNATING INFORMATION WAS OBTAINED.
- QL-C EXISTING UTILITY STRUCTURES HAVE BEEN FIELD LOCATED AND SURVEYED TO ASSIST IN DEPICTING THE UTILITIES SHOWN ON RECORDS. NO ELECTRONIC DESIGNATING INFORMATION WAS OBTAINED.
- QL-B INFORMATION WAS OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE AND APPROPRIATE HORIZONTAL POSITION OF THE SUBSURFACE UTILITIES. QL-B DATA SHOULD BE REPRODUCIBLE BY SURFACE GEOPHYSICS AT ANY POINT OF THEIR DEPICTION. THIS INFORMATION IS SURVEYED TO APPLICABLE TOLERANCES DEFINED BY THE PROJECT AND REDUCED ONTO PLAN DOCUMENTS.
- QL-A OBTAIN PRECISE HORIZONTAL AND VERTICAL POSITION OF THE UTILITY LINE BY EXCAVATING A TEST HOLE. THE TEST HOLE SHALL BE DONE USING VACUUM EXCAVATION OR COMPARABLE NONDESTRUCTIVE EQUIPMENT IN A MANNER AS TO CAUSE NO DAMAGE TO THE UTILITY LINE. AFTER EXCAVATING A TEST HOLE, A FIELD SURVEY SHALL BE PERFORMED TO DETERMINE THE EXACT LOCATION AND POSITION OF THE UTILITY LINE.

TELEPHONE PAIR SIZE TABLE

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



NOTE:
UTILITY LOCATIONS BETWEEN GOVERNMENT ROAD AND CENTRAL AVENUE ARE BASED ON RECORD DRAWINGS AND MARK-UPS ONLY.

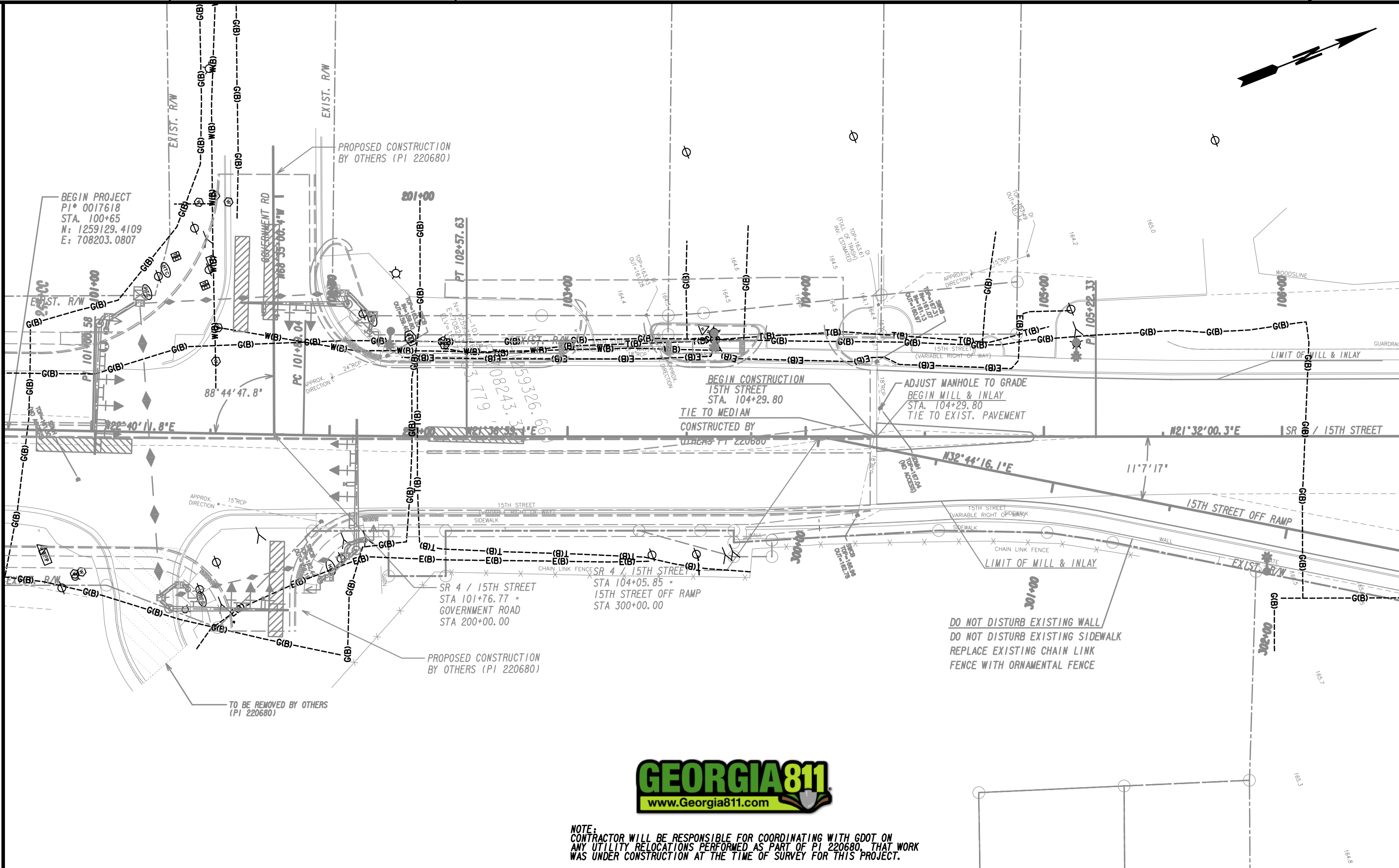
GEORGIA DOT WAS CONSTRUCTING GDOT PI 220680 AT THE TIME OF SURVEY AND MAY HAVE RELOCATED UTILITIES AS PART OF THAT PROJECT. THE CONTRACTOR SHALL COORDINATE WITH GEORGIA DOT FOR AS-BUILT DRAWINGS TO DETERMINE UTILITY LOCATIONS WITH THE OVERLAP BETWEEN PROJECT AREAS.



REVISION DATES

UTILITY PLANS
15TH ST. PEDESTRIAN IMPROVEMENTS FROM
GOVERNMENT RD. TO LANEY WALKER BLVD.

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CORRECTED:	DATE:	
VERIFIED:	DATE:	



MATCHLINE STA. 106+50.00
SEE DRAWING No. 24-0002



NOTE:
CONTRACTOR WILL BE RESPONSIBLE FOR COORDINATING WITH GDOT ON
ANY UTILITY RELOCATIONS PERFORMED AS PART OF PI 220680, THAT WORK
WAS UNDER CONSTRUCTION AT THE TIME OF SURVEY FOR THIS PROJECT.

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

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

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SCALE IN FEET

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20

40

80

REVISION DATES

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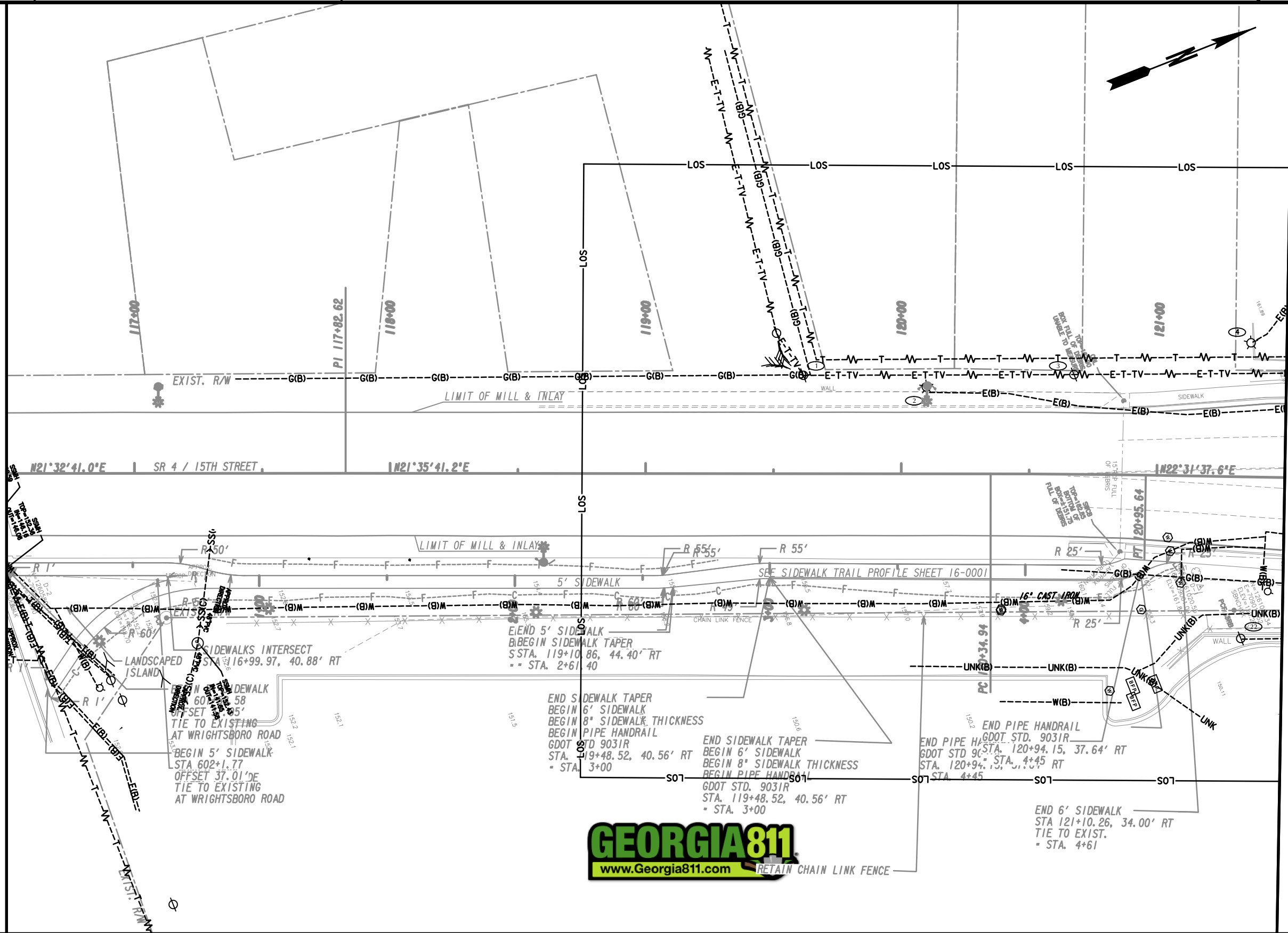
SCALE IN FEET

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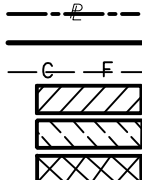
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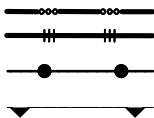
MATCHLINE STA. 121+50.00
SEE DRAWING No. 24-0005



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



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END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
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(SEE ERIT TABLE)



REVISION DATES

UTILITY PLANS
15TH ST. PEDESTRIAN IMPROVEMENTS FROM
GOVERNMENT RD. TO LANEY WALKER BLVD.

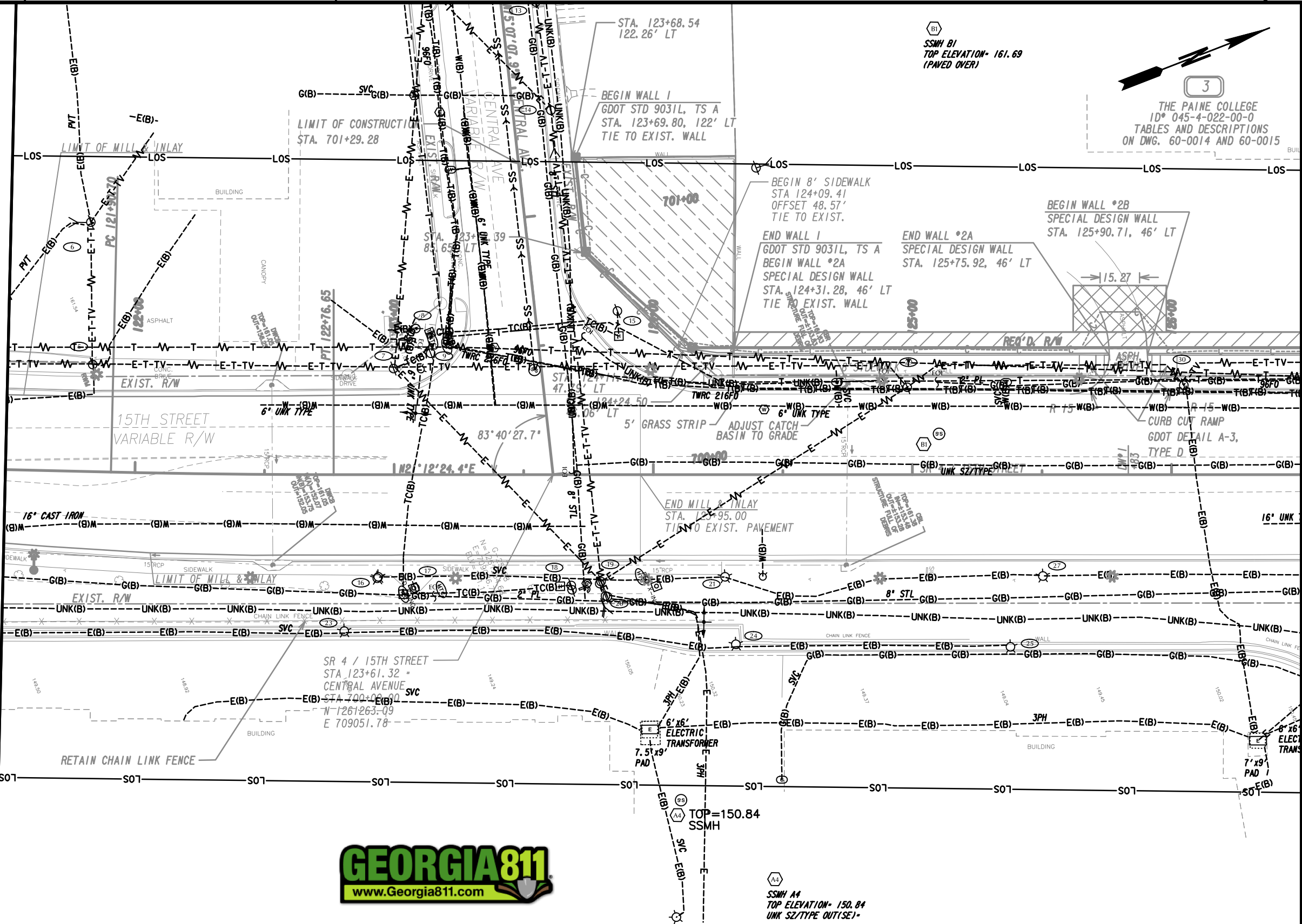
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24-0004

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SEE DRAWING No. 24-0004

MATCHLINE STA. 126+50.00
SEE DRAWING No. 24-0006



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
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ORANGE BARRIER FENCE
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24-0005

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Diagram illustrating a three-layered system. The top layer is labeled P (dashed line). The middle layer is labeled C and F (solid line). The bottom layer is labeled C and F (solid line). The layers are separated by horizontal lines.

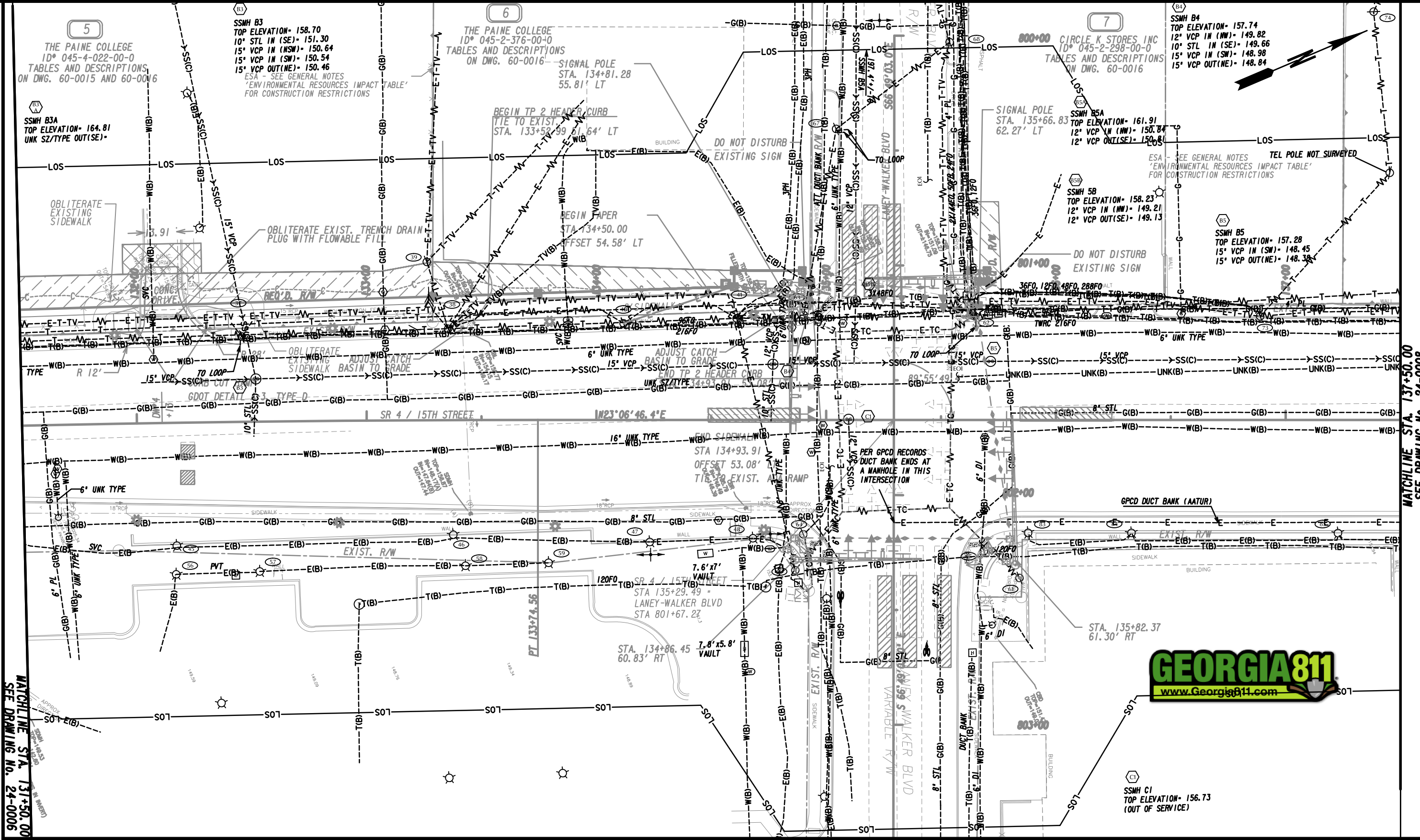
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PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

— — — — —
— G — F —
[Hatched Box]
[Hatched Box]
[Hatched Box]

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

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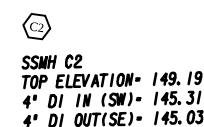
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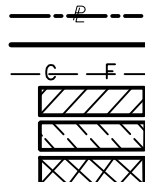
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SEE DRAWING No. 24-0008

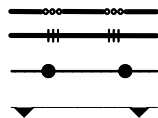
MATCHLINE STA. 147+50.00
SEE DRAWING No. 24-0010



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



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



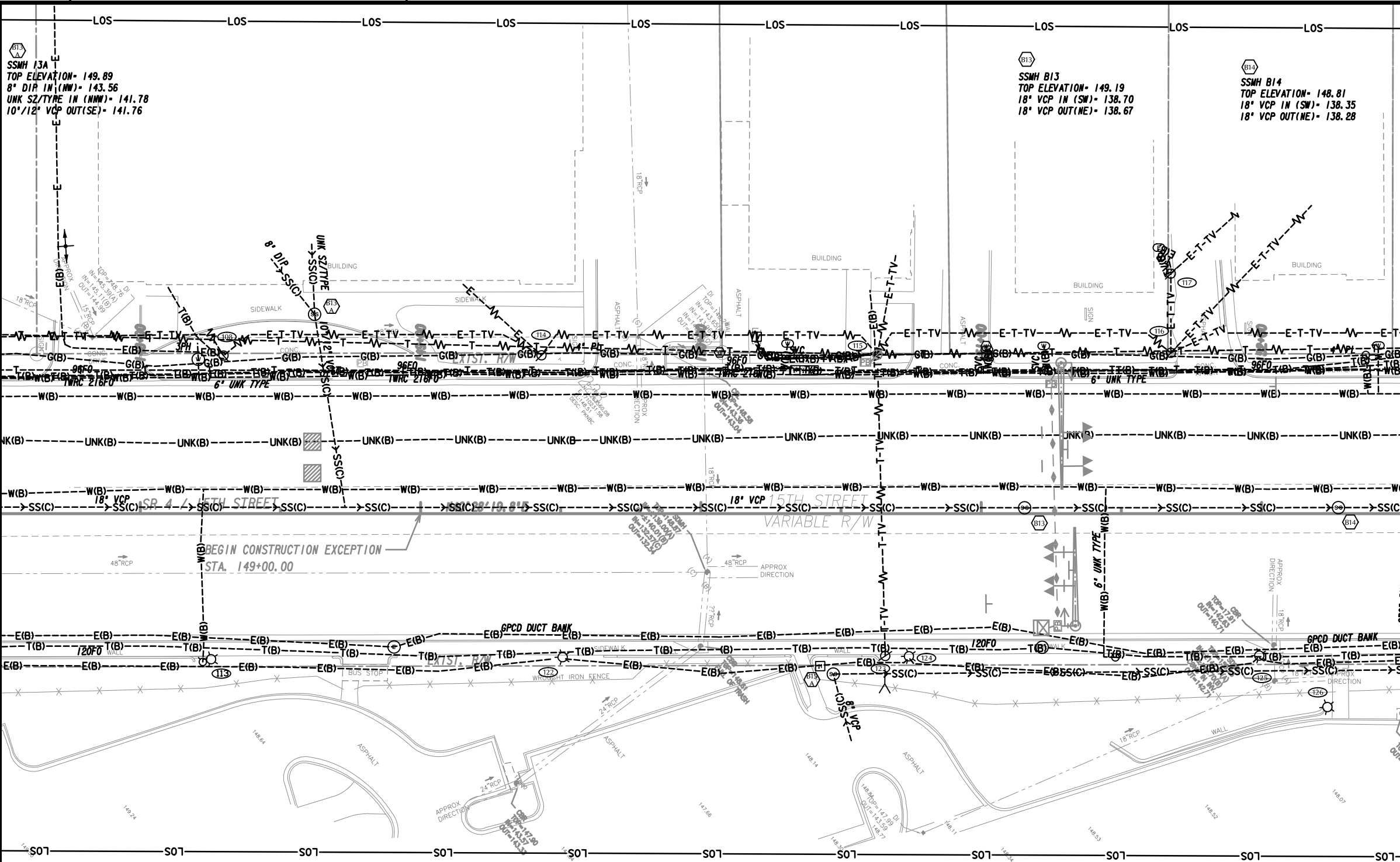
REVISION DATES

UTILITY PLANS
15TH ST. PEDESTRIAN IMPROVEMENTS FROM
GOVERNMENT RD. TO LANEY WALKER BLVD.

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MATCHLINE STA. 147+50.00
SEE DRAWING No. 24-0009

MATCHLINE STA. 152+50.00
SEE DRAWING No. 24-0011

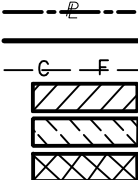


VETERANS ADMINISTRATION
ID# 046-1-045-00-0
TABLES AND DESCRIPTIONS
ON DWG. 60-0017

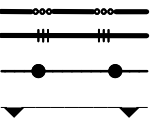
SSMH B15A
TOP ELEVATION= 149.77
8" VCP IN (SE)= 144.66
12" VCP OUT(NE)= 142.96

SSMH B15C
TOP ELEVATION= 149.06
8" VCP IN (SE)= 142.13
10" VCP IN (NSE)= 141.23
12" VCP IN (SW)= 140.81
12" VCP OUT(NE)= 140.84

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



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



REVISION DATES

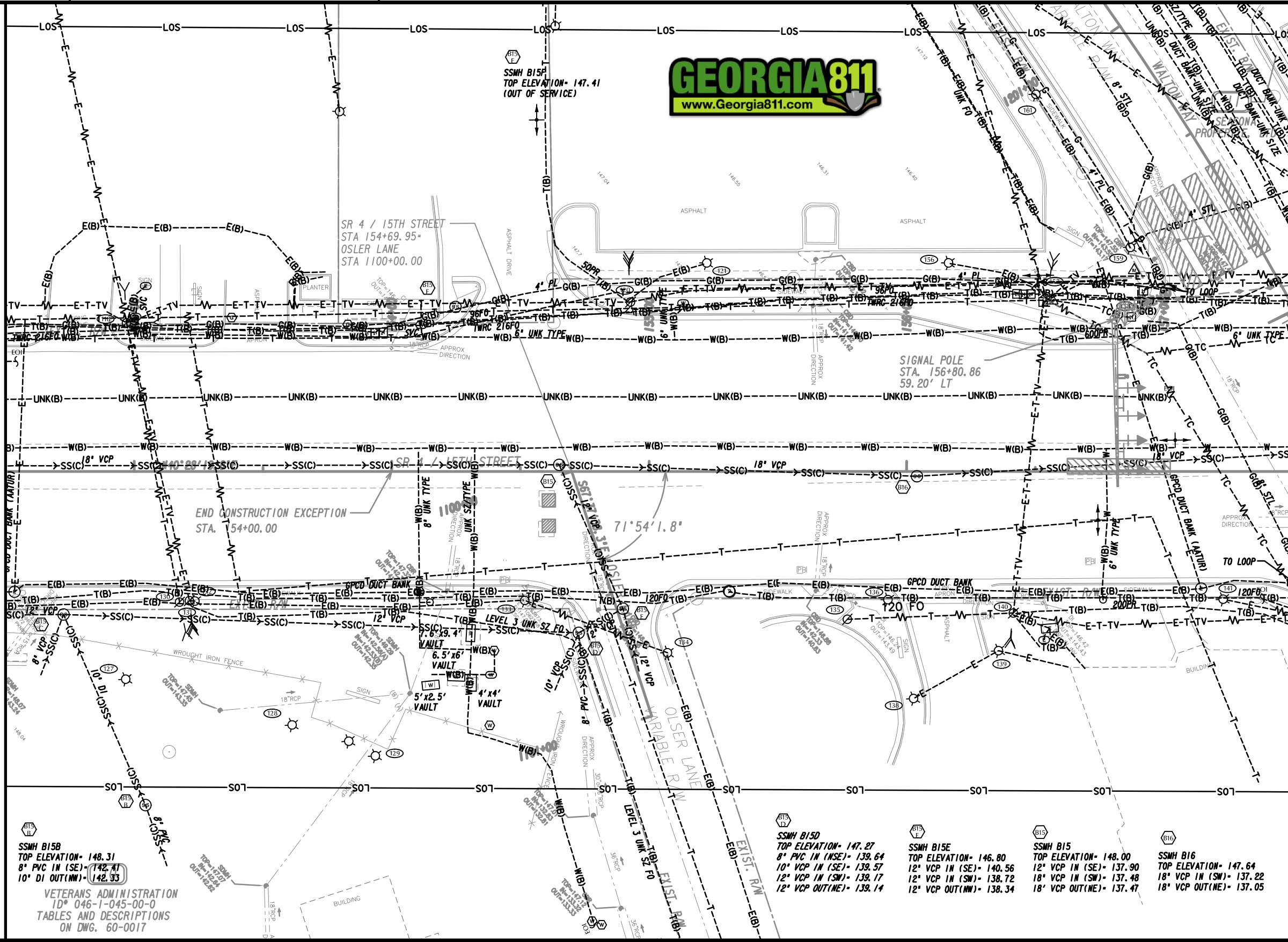
UTILITY PLANS
15TH ST. PEDESTRIAN IMPROVEMENTS FROM
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24-0010

MATCHLINE STA. 152+50.00
SEE DRAWING No. 24-0010

MATCHLINE STA. 157+50.00
SEE DRAWING No. 24-0012



SSMH B15B
TOP ELEVATION= 148.31
8" PVC IN (SE)= 142.41
10" DI OUT(NW)= 142.33

VETERANS ADMINISTRATION
ID# 046-1-045-00-0
TABLES AND DESCRIPTIONS
ON DWG. 60-0017

SSMH B15D TOP ELEVATION= 147.27 8" PVC IN (NSE)= 139.64 10" VCP IN (SE)= 139.57 12" VCP IN (SW)= 139.17 12" VCP OUT(NE)= 139.14	SSMH B15E TOP ELEVATION= 146.80 12" VCP IN (SE)= 140.56 12" VCP IN (SW)= 138.72 12" VCP OUT(NW)= 138.34	SSMH B15 TOP ELEVATION= 148.00 12" VCP IN (SE)= 137.90 18" VCP IN (SW)= 137.48 18" VCP OUT(NE)= 137.47	SSMH B16 TOP ELEVATION= 147.64 18" VCP IN (SW)= 137.22 18" VCP OUT(NE)= 137.05
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PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
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DRAWING No.

24-0012

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GEORGIA POWER
JASON ARRINGTON
PH: (762) 328-0019
EMAIL: JARRINGT@SOUTHERNCO.COM

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WORK COVERED BY THIS DOCUMENT SHALL INCLUDE ALL LABOR, MATERIAL, PRODUCTS, AND SERVICES FOR, AND INCIDENTAL TO, INSTALLATION OF COMPLETE AND OPERATING ELECTRICAL SYSTEMS DRAWN OR SPECIFIED.

ALL WORK SHALL CONFORM TO ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES INCLUDING, BUT NOT LIMITED TO, THE NATIONAL ELECTRICAL CODE (NFPA 70-2017). ALL MATERIALS SHALL BE NEW AND UL LISTED/LABELED AS APPROPRIATE. FINAL LOCATIONS FOR ROUGH-INS SHALL BE VERIFIED WITH ACTUAL EQUIPMENT BEING CONNECTED. SUPPORT AND ATTACH ELECTRICAL EQUIPMENT IN ACCORDANCE WITH SEISMIC CONDITIONS AS DETERMINED BY THE STRUCTURAL ENGINEER/BUILDING DESIGNER AND THE INTERNATIONAL BUILDING CODE 2012. AFTER COMPLETING INSTALLATION, REMOVE BURRS, DIRT, AND CONSTRUCTION DEBRIS FROM ALL ELECTRICAL WORK.

COORDINATE ELECTRICAL SERVICE AND METERING REQUIREMENTS WITH SERVING UTILITY PRIOR TO BID AND INSTALLATION.

SIZE FUSES IN ACCORDANCE WITH THE EQUIPMENT MANUFACTURERS
RECOMMENDATIONS AND THE N.E.C.

DO NOT SCALE DRAWINGS. DEVICE LOCATIONS ARE APPROXIMATE UNLESS
DIMENSIONED. ACTUAL DEVICE LOCATIONS SHALL BE FIELD COORDINATED WITH ALL
OTHER TRADES AND APPLICABLE CODES.

ALL CONDUCTORS SHALL BE NO SMALLER THAN #12.

GENERAL CONTRACTOR TO PROVIDE ACCESS PANELS FOR ALL INACCESSIBLE, ABOVE-CEILING ELECTRICAL EQUIPMENT AND JUNCTION BOXES PER 2017 NEC SECTION 314.29. COORDINATE LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION.

CONDUCTORS
INSULATION SHALL COMPLY WITH NEMA WC 5. CONDUCTORS #8 AWG AND LARGER SHALL BE CONCENTRIC STRANDED. CONDUCTORS #10 AND SMALLER SHALL BE SOLID.

TYPE AND INSULATION (SERVICE): COPPER, TYPE THWN
TYPE AND INSULATION (FEEDER): COPPER, TYPE THHN/THWN
TYPE AND INSULATION (BRANCH): COPPER, TYPE THHN/THWN
COPPER, TYPE MC

COLOR CODING (120/240 V, 1Ø): A-BLACK, B-RED, N-WHITE, G-GREEN

RACEWAYS
CONDUIT BODIES AND FITTINGS FOR RIGID METAL CONDUIT SHALL BE CAST THREADED TYPE. CONDUIT FITTINGS FOR ELECTRICAL METALLIC TUBING SHALL BE COMPRESSION TYPE. INSTALL 200 lb NYLON PULL CORD IN ALL EMPTY RACEWAYS FOR FUTURE USE. APPLY FIRESTOPPING TO ELECTRICAL PENETRATIONS OF FIRE-RATED FLOOR AND WALL ASSEMBLIES TO RESTORE ORIGINAL FIRE-RESISTANCE RATING OF ASSEMBLY.

OUTDOORS EXPOSED: RIGID GALVANIZED STEEL CONFORMING TO ANSI C80.5
OUTDOORS UNDERGROUND: RIGID NONMETALLIC CONDUIT (SCHEDULE 40 PVC)
CONFORMING TO NEMA TC 2

PULL AND JUNCTION BOXES
BOXES SHALL BE HOT-DIPPED GALVANIZED STEEL. BOX COVERS SHALL BE GASKETED TYPE WITH SCREWED OR BOLTED FASTENERS.

ELECTRICAL IDENTIFICATION
IN ADDITION TO CODE-REQUIRED LABELING, ALL PANELBOARDS, ELECTRICAL ENCLOSURES, TRANSFORMERS, AND DISCONNECT SWITCHES SHALL BE IDENTIFIED WITH AN ENGRAVED PLASTIC LAMINATED NAMEPLATE. LETTERING SHALL BE 1/2" INCHES HIGH AND 1/2" INCHES DEEP. ON A BLACK BACKGROUND, NAMEPLATES SHALL BE ATTACHED TO EQUIPMENT WITH STAINLESS STEEL SELF-TAPPING SCREWS. CONTRACTOR TO COORDINATE WITH THE UTILITY COMPANY TO DETERMINE THE AVAILABLE FAULT CURRENT AT THE PANEL LOCATION SHOWN ON THE DRAWINGS. CONTRACTOR TO PROVIDE ELECTRICAL EQUIPMENT WITH AIC RATING OVER THE CALCULATED FAULT CURRENT. CALCULATED FAULT CURRENT SHALL BE LISTED ON EACH PIECE OF ELECTRICAL EQUIPMENT. CONTRACTOR TO PROVIDE A NAMEPLATE AFTER EACH RACKING LABEL ON ALL ELECTRICAL SWITCHBOARDS, PANELBOARDS, MOTOR CONTROL CENTERS, LOAD CENTERS, DISCONNECTS AND ENCLOSED CIRCUIT BREAKERS PER 2017 NEC ARTICLE 110.16.

GROUNDING
GROUNDING AND BONDING COMPONENTS SHALL COMPLY WITH UL 467, AN INSULATED EQUIPMENT-GROUNDING CONDUCTOR SHALL BE INSTALLED WITH CIRCUIT CONDUCTORS

FOR ALL FEEDER AND BRANCH CIRCUITS. EXOTHERMIC-WELDED CONNECTIONS SHALL BE USED FOR ATTACHMENT TO STRUCTURAL STEEL AND UNDERGROUND CONNECTIONS. GROUNDING ELECTRODES SHALL BE 3/4" x 10' COPPERWELD TYPE.

PANELBOARDS

PANELBOARDS SHALL COMPLY WITH NEMA PB-1, INCLUDE DRAWINGS FOR EACH PANELBOARD SHALL BE SUBMITTED AND SHALL INCLUDE BUS CONFIGURATION AND CURRENT RATINGS OF DISCONNECTS, DEVICE ARRANGEMENT AND SETTINGS, AND PANELBOARD SHORT CIRCUIT RATING. PHASES AND NEUTRAL BUSES SHALL BE COPPER. AN EQUIPMENT GROUND BUS SHALL BE PROVIDED AND SHALL BE BONDED TO THE PANEL BOX. PANELBOARDS WITH A MAIN SERVICE DISCONNECT SHALL BE LISTED FOR USE IN THE PANEL. ALL DISCONNECTS SHALL BE PROVIDED WITH TWO (2) TRIP BREAKERS. TRIP BREAKERS SHALL BE BOLT-ON TYPE. CIRCUIT BREAKERS SHALL BE LISTED FOR SWD, HD OR HACR USE AS APPROPRIATE. MULTI-POLE CIRCUIT BREAKERS SHALL HAVE A COMMON TRIP. TANDEM CIRCUIT BREAKERS SHALL NOT BE USED. FILLER PLATES SHALL BE INSTALLED IN ALL UNOCCUPIED CIRCUIT DIRECTORY SLOTS. A CIRCUIT DIRECTORY SHALL BE INSTALLED ON THE PANELBOARD DOOR.

FUSES
FUSES SHALL BE NEMA FU 1 CARTRIDGE TYPE. VOLTAGE RATING SHALL BE CONSISTENT WITH CIRCUIT VOLTAGE. ARRANGE FUSES IN FUSIBLE DEVICES SO FUSE RATINGS ARE READABLE WITHOUT REMOVING FUSE. INSTALL TYPEWRITTEN LABELS ON INSIDE DOOR OF EACH FUSIBLE DEVICE TO INDICATE FUSE REPLACEMENT INFORMATION.

FEEDER AND BRANCH CIRCUITS: UL CLASS RK1, NON-TIME DELAY

DISCONNECT SWITCHES

SWITCHES SHALL BE FUSED OR NONFUSED NEMA KS 1 TYPE HD. SWITCHES SHALL BE HANDLE LOCKABLE AND INTERLOCKED WITH COVER IN CLOSED POSITION. ENCLOSURES SHALL BE NEMA TYPE 1 IN INDOOR LOCATIONS AND NEMA TYPE 3R IN OUTDOOR LOCATIONS. HVAC EQUIPMENT DISCONNECTS ARE TO BE CONSIDERED ELECTRICAL EQUIPMENT AND SHALL BE INSTALLED TO MAINTAIN WORKING SPACE PER 2017 NEC ARTICLE 110.26.

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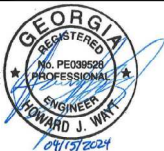
CITY OF AUGUSTA
520 GREENE STREET, AUGUSTA, GA 30901

PROJECT NAME:

15TH STREET PEDESTRIAN IMPROVEMENTS PROJECT

15TH STREET CORRIDOR

PROJECT LOCATION:



nton

SHEET TITLE :

GENERAL NOTES AND DETAILS

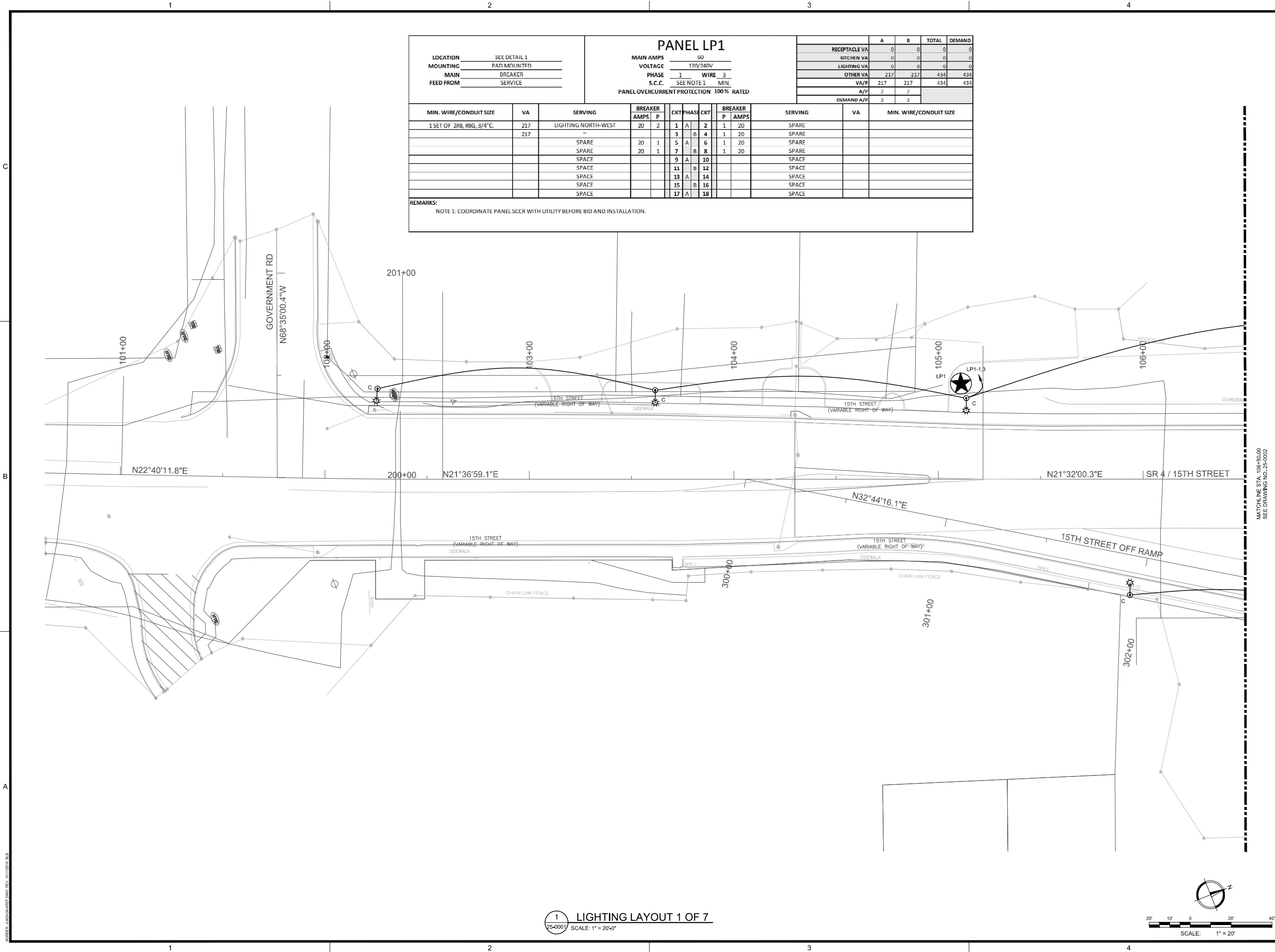
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LOCATIONSEE DETAIL 1 MOUNTINGPAD MOUNTED MAINBREAKER FEED FROMSERVICE		MAIN AMPS60 VOLTAGE120/240V PHASE1WIRE 3 S.C.C. SEE NOTE 1 MIN. PANEL OVERCURRENT PROTECTION 100% RATED		<table><tr><td></td><td>A</td><td>B</td><td>TOTAL</td><td>DEMAND</td></tr><tr><td>RECEPTACLE VA</td><td>0</td><td>0</td><td>0</td><td>0</td></tr><tr><td>KITCHEN VA</td><td>0</td><td>0</td><td>0</td><td>0</td></tr><tr><td>LIGHTING VA</td><td>0</td><td>0</td><td>0</td><td>0</td></tr><tr><td>OTHER VA</td><td>217</td><td>217</td><td>434</td><td>434</td></tr><tr><td>VA/P</td><td>217</td><td>217</td><td>434</td><td>434</td></tr><tr><td>A/P</td><td>2</td><td>2</td><td></td><td></td></tr><tr><td>DEMAND A/P</td><td>2</td><td>2</td><td></td><td></td></tr></table>							A	B	TOTAL	DEMAND	RECEPTACLE VA	0	0	0	0	KITCHEN VA	0	0	0	0	LIGHTING VA	0	0	0	0	OTHER VA	217	217	434	434	VA/P	217	217	434	434	A/P	2	2			DEMAND A/P	2	2																																																																																																									
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<table><tr><th>MIN. WIRE/CONDUIT SIZE</th><th>VA</th><th>SERVING</th><th colspan="2">BREAKER</th><th>CKT</th><th>PHASE</th><th>CKT</th><th colspan="2">BREAKER</th><th>SERVING</th><th>VA</th><th>MIN. WIRE/CONDUIT SIZE</th></tr><tr><th></th><th></th><th></th><th>AMPS</th><th>P</th><th></th><th></th><th></th><th>P</th><th>AMPS</th><th></th><th></th><th></th></tr><tr><td>1 SET OF 2#8, #8G, 3/4"C.</td><td>217</td><td>LIGHTING NORTH-WEST</td><td>20</td><td>2</td><td>1</td><td>A</td><td>2</td><td>1</td><td>20</td><td>SPARE</td><td></td><td></td></tr><tr><td></td><td>217</td><td>~</td><td></td><td></td><td>3</td><td>B</td><td>4</td><td>1</td><td>20</td><td>SPARE</td><td></td><td></td></tr><tr><td></td><td></td><td>SPARE</td><td>20</td><td>1</td><td>5</td><td>A</td><td>6</td><td>1</td><td>20</td><td>SPARE</td><td></td><td></td></tr><tr><td></td><td></td><td>SPARE</td><td>20</td><td>1</td><td>7</td><td>B</td><td>8</td><td>1</td><td>20</td><td>SPARE</td><td></td><td></td></tr><tr><td></td><td></td><td>SPACE</td><td></td><td></td><td>9</td><td>A</td><td>10</td><td></td><td></td><td>SPACE</td><td></td><td></td></tr><tr><td></td><td></td><td>SPACE</td><td></td><td></td><td>11</td><td>B</td><td>12</td><td></td><td></td><td>SPACE</td><td></td><td></td></tr><tr><td></td><td></td><td>SPACE</td><td></td><td></td><td>13</td><td>A</td><td>14</td><td></td><td></td><td>SPACE</td><td></td><td></td></tr><tr><td></td><td></td><td>SPACE</td><td></td><td></td><td>15</td><td>B</td><td>16</td><td></td><td></td><td>SPACE</td><td></td><td></td></tr><tr><td></td><td></td><td>SPACE</td><td></td><td></td><td>17</td><td>A</td><td>18</td><td></td><td></td><td>SPACE</td><td></td><td></td></tr></table>										MIN. WIRE/CONDUIT SIZE	VA	SERVING	BREAKER		CKT	PHASE	CKT	BREAKER		SERVING	VA	MIN. WIRE/CONDUIT SIZE				AMPS	P				P	AMPS				1 SET OF 2#8, #8G, 3/4"C.	217	LIGHTING NORTH-WEST	20	2	1	A	2	1	20	SPARE				217	~			3	B	4	1	20	SPARE					SPARE	20	1	5	A	6	1	20	SPARE					SPARE	20	1	7	B	8	1	20	SPARE					SPACE			9	A	10			SPACE					SPACE			11	B	12			SPACE					SPACE			13	A	14			SPACE					SPACE			15	B	16			SPACE					SPACE			17	A	18			SPACE		
MIN. WIRE/CONDUIT SIZE	VA	SERVING	BREAKER		CKT	PHASE	CKT	BREAKER		SERVING	VA	MIN. WIRE/CONDUIT SIZE																																																																																																																																												
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	217	~			3	B	4	1	20	SPARE																																																																																																																																														
		SPARE	20	1	5	A	6	1	20	SPARE																																																																																																																																														
		SPARE	20	1	7	B	8	1	20	SPARE																																																																																																																																														
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REMARKS:																																																																																																																																																								
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CITY OF AUGUSTA
520 GREENE STREET, AUGUSTA, GA 30901

PROJECT NAME:
**15TH STREET PEDESTRIAN
IMPROVEMENTS PROJECT**

PROJECT LOCATION:
15TH STREET CORRIDOR



REV	DATE	BY	DESCRIPTION
1	04/15/24	HJW	ISSUED FOR CONSTRUCTION
0	02/26/24	HJW	ISSUED FOR CONSTRUCTION

PROJECT NO. 1144.1701

DRAWN BY: CEB

CHECKED BY: HJW

DATE: 02/26/2024

SHEET TITLE:
**LIGHTING LAYOUT 1
OF 7**

SCALE: AS NOTED

DRAWING NO. **25-0001**

REV. **1**

SOURCE: JLA\AS\KING.DWG, REV. 01/10/2016, B.B.

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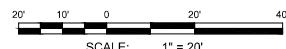
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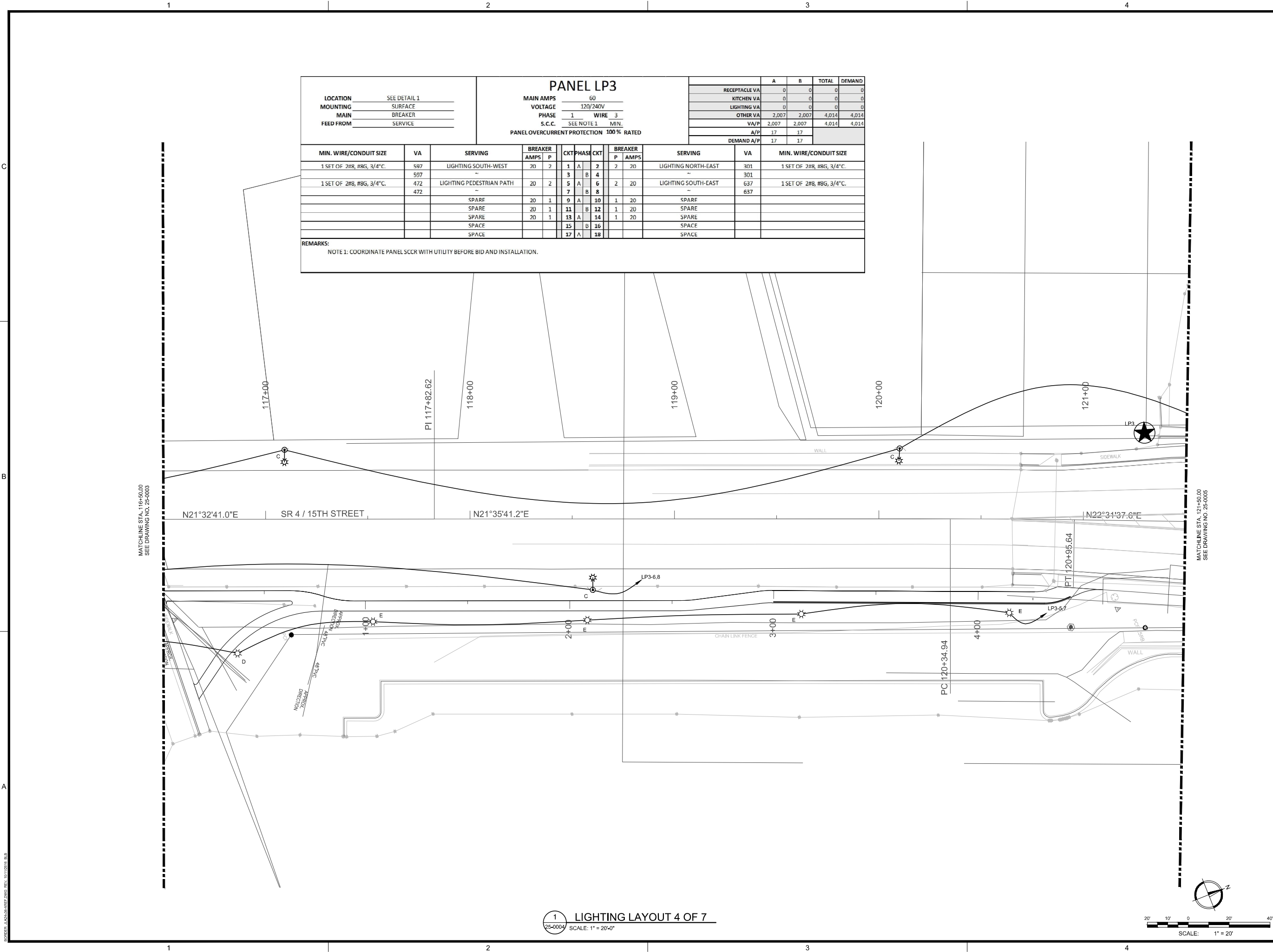
15TH STREET CORRIDOR



	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	52
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LOCATION _____ SEE DETAIL 1 MOUNTING _____ SURFACE _____ MAIN _____ BREAKER _____ FEED FROM _____ SERVICE _____		PANEL LP3 MAIN AMPS 60 VOLTAGE 120/240V PHASE 1 WIRE 3 S.C.C. SEE NOTE 1 MIN. PANEL OVERCURRENT PROTECTION 100% RATED						A		B	TOTAL	DEMAND	
								RECEPTACLE VA	0	0	0	0	
								KITCHEN VA	0	0	0	0	
								LIGHTING VA	0	0	0	0	
								OTHER VA	2,007	2,007	4,014	4,014	
								V/A/P	2,007	2,007	4,014	4,014	
A/P		17	17										
DEMAND A/P		17	17										
MIN. WIRE/CONDUIT SIZE		VA	SERVING	BREAKER AMPS P		CKT	PHASE	CKT	BREAKER P AMPS		SERVING	VA	MIN. WIRE/CONDUIT SIZE
1 SET OF 2#8, #8G, 3/4"C.		597	LIGHTING SOUTH-WEST	20	2	1	A	2	2	20	LIGHTING NORTH-EAST	301	1 SET OF 2#8, #8G, 3/4"C.
		597	~			3	B	4			~	301	
1 SET OF 2#8, #8G, 3/4"C.		472	LIGHTING PEDESTRIAN PATH	20	2	5	A	6	2	20	LIGHTING SOUTH-EAST	637	1 SET OF 2#8, #8G, 3/4"C.
		472	~			7	B	8			~	637	
			SPARE	20	1	9	A	10	1	20	SPARE		
			SPARE	20	1	11	B	12	1	20	SPARE		
			SPARE	20	1	13	A	14	1	20	SPARE		
			SPACE			15	B	16			SPACE		
			SPACE			17	A	18			SPACE		
REMARKS: NOTE 1: COORDINATE PANEL SCCR WITH UTILITY BEFORE BID AND INSTALLATION.													

SOURCE: J:\114170\15thST\15thST.dwg REV: 01/10/2016 B.B.

1 LIGHTING LAYOUT 4 OF 7
25-0004 SCALE: 1" = 20'-0"



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PROJECT NAME:
**15TH STREET PEDESTRIAN
IMPROVEMENTS PROJECT**

PROJECT LOCATION:
15TH STREET CORRIDOR

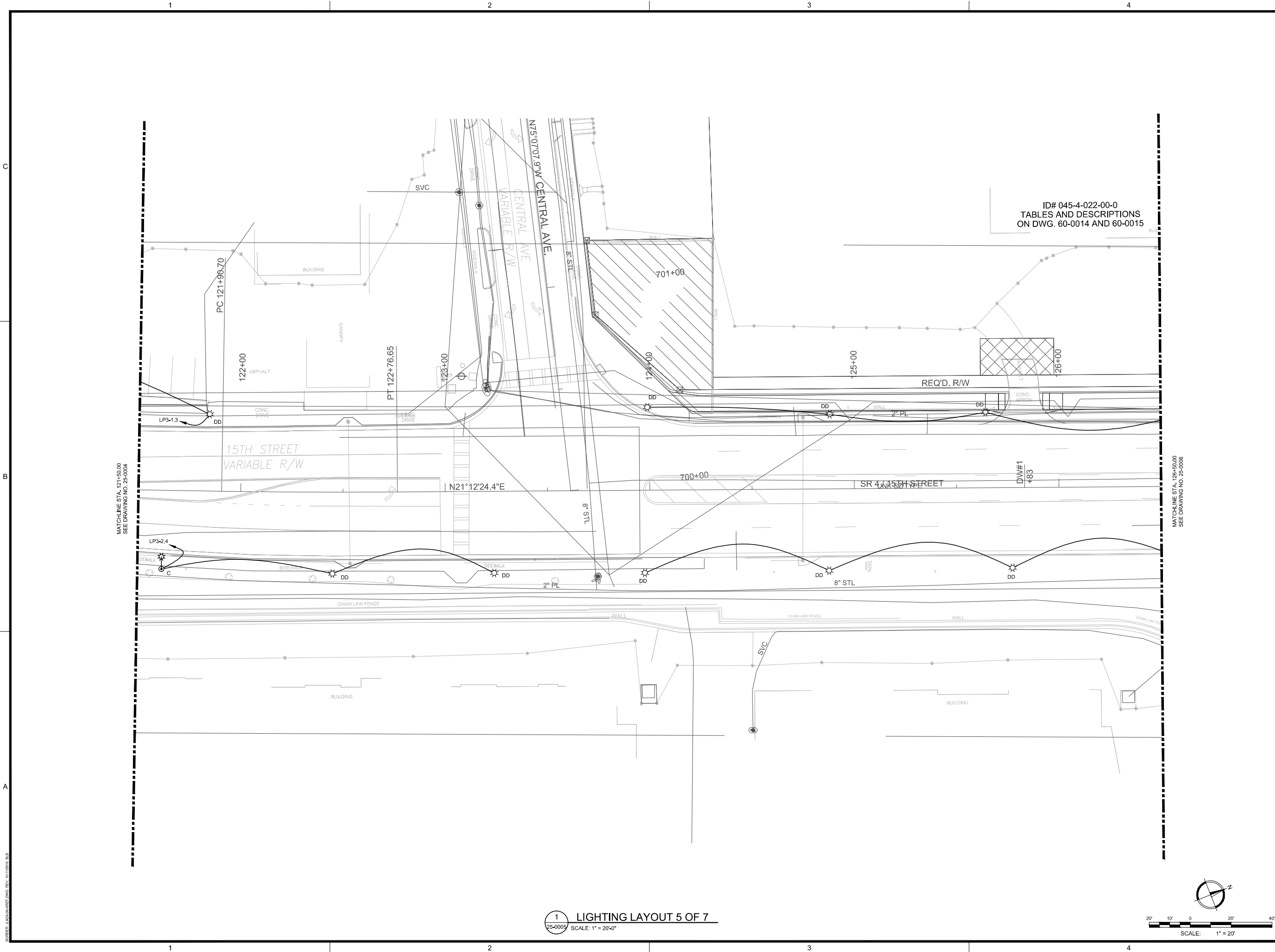


REV	DATE	BY	DESCRIPTION
1	04/15/24	HJW	ISSUED FOR CONSTRUCTION
0	02/26/24	HJW	ISSUED FOR CONSTRUCTION

PROJECT NO. 1144.1701
DRAWN BY: CEB
CHECKED BY: HJW
DATE: 02/26/2024
SHEET TITLE:
**LIGHTING LAYOUT 4
OF 7**

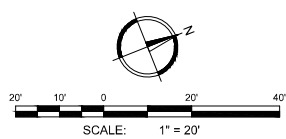
SCALE: AS NOTED
DRAWING NO. **25-0004** REV. **1**

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1 LIGHTING LAYOUT 5 OF 7
25-0005 SCALE: 1" = 20'-0"



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CLIENT: CITY OF AUGUSTA
 520 GREENE STREET, AUGUSTA, GA 30901

PROJECT NAME: **15TH STREET PEDESTRIAN IMPROVEMENTS PROJECT**

PROJECT LOCATION: 15TH STREET CORRIDOR

GEORGIA REGISTERED PROFESSIONAL ENGINEER
 NO. PE008598
 HOWARD J. WINT
 04/19/2024

JOHNSON, LASCHOB & ASSOC., P.C.
 No. RE000038
 EXPIRATION DATE: JUNE 30, 2025
 LICENSED PROFESSIONAL ENGINEER

REV	DATE	BY	DESCRIPTION
1	04/15/24	HJW	ISSUED FOR CONSTRUCTION
0	02/26/24	HJW	ISSUED FOR CONSTRUCTION

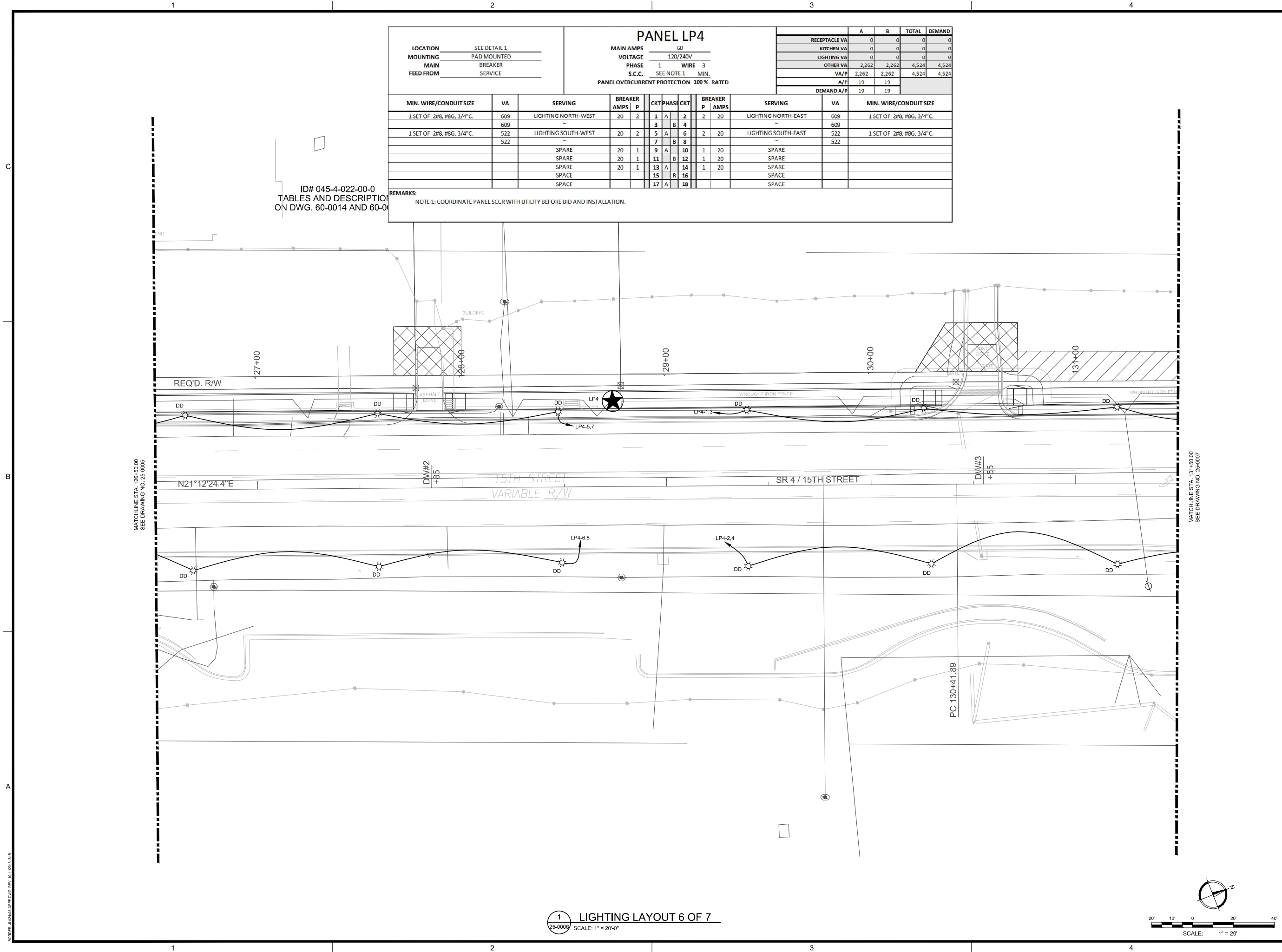
PROJECT NO. 1144.1701
 DRAWN BY: CEB
 CHECKED BY: HJW
 DATE: 02/26/2024

SHEET TITLE:
LIGHTING LAYOUT 5 OF 7

SCALE: AS NOTED

DRAWING NO. **25-0005** REV. **1**

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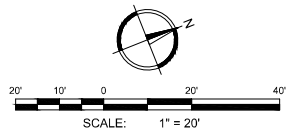
LOCATIONSEE DETAIL 1 MOUNTINGPAD MOUNTED MAINBREAKER FEED FROMSERVICE		PANEL LP4 MAIN AMPS60 VOLTAGE120/240V PHASE1WIRE3 S.C.C.SEE NOTE 1MIN. PANEL OVERCURRENT PROTECTION 100% RATED										<table><tr><td></td><td>A</td><td>B</td><td>TOTAL</td><td>DEMAND</td></tr><tr><td>RECEPTACLE VA</td><td>0</td><td>0</td><td>0</td><td>0</td></tr><tr><td>KITCHEN VA</td><td>0</td><td>0</td><td>0</td><td>0</td></tr><tr><td>LIGHTING VA</td><td>0</td><td>0</td><td>0</td><td>0</td></tr><tr><td>OTHER VA</td><td>2,262</td><td>2,262</td><td>4,524</td><td>4,524</td></tr><tr><td>V A/P</td><td>2,262</td><td>2,262</td><td>4,524</td><td>4,524</td></tr><tr><td>A/P</td><td>19</td><td>19</td><td></td><td></td></tr><tr><td>DEMAND A/P</td><td>19</td><td>19</td><td></td><td></td></tr></table>						A	B	TOTAL	DEMAND	RECEPTACLE VA	0	0	0	0	KITCHEN VA	0	0	0	0	LIGHTING VA	0	0	0	0	OTHER VA	2,262	2,262	4,524	4,524	V A/P	2,262	2,262	4,524	4,524	A/P	19	19			DEMAND A/P	19	19		
			A	B	TOTAL	DEMAND																																																		
		RECEPTACLE VA	0	0	0	0																																																		
		KITCHEN VA	0	0	0	0																																																		
		LIGHTING VA	0	0	0	0																																																		
OTHER VA	2,262	2,262	4,524	4,524																																																				
V A/P	2,262	2,262	4,524	4,524																																																				
A/P	19	19																																																						
DEMAND A/P	19	19																																																						
MIN. WIRE/CONDUIT SIZE	VA	SERVING	BREAKER AMPS	P	CKT	PHASE	CKT	BREAKER AMPS	P	SERVING	VA	MIN. WIRE/CONDUIT SIZE																																												
1 SET OF 2#8, #8G, 3/4"C.	609	LIGHTING NORTH-WEST	20	2	1	A	2	2	20	LIGHTING NORTH-EAST	609	1 SET OF 2#8, #8G, 3/4"C.																																												
	609	~			3	B	4			~	609																																													
1 SET OF 2#8, #8G, 3/4"C.	522	LIGHTING SOUTH WEST	20	2	5	A	6	2	20	LIGHTING SOUTH EAST	522	1 SET OF 2#8, #8G, 3/4"C.																																												
	522	~			7	B	8			~	522																																													
		SPARE	20	1	9	A	10	1	20	SPARE																																														
		SPARE	20	1	11	B	12	1	20	SPARE																																														
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		SPACE			17	A	18			SPACE																																														
REMARKS:																																																								
NOTE 1: COORDINATE PANEL SCCR WITH UTILITY BEFORE BID AND INSTALLATION.																																																								

ID# 045-4-022-00-0
TABLES AND DESCRIPTION
ON DWG. 60-0014 AND 60-0015

MATCHLINE STA. 126+50.00
SEE DRAWING NO. 25-0003

MATCHLINE STA. 131+50.00
SEE DRAWING NO. 25-0007

1 LIGHTING LAYOUT 6 OF 7
25-0006 SCALE: 1" = 20'-0"



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CITY OF AUGUSTA
520 GREENE STREET, AUGUSTA, GA 30901

15TH STREET PEDESTRIAN
IMPROVEMENTS PROJECT

15TH STREET CORRIDOR



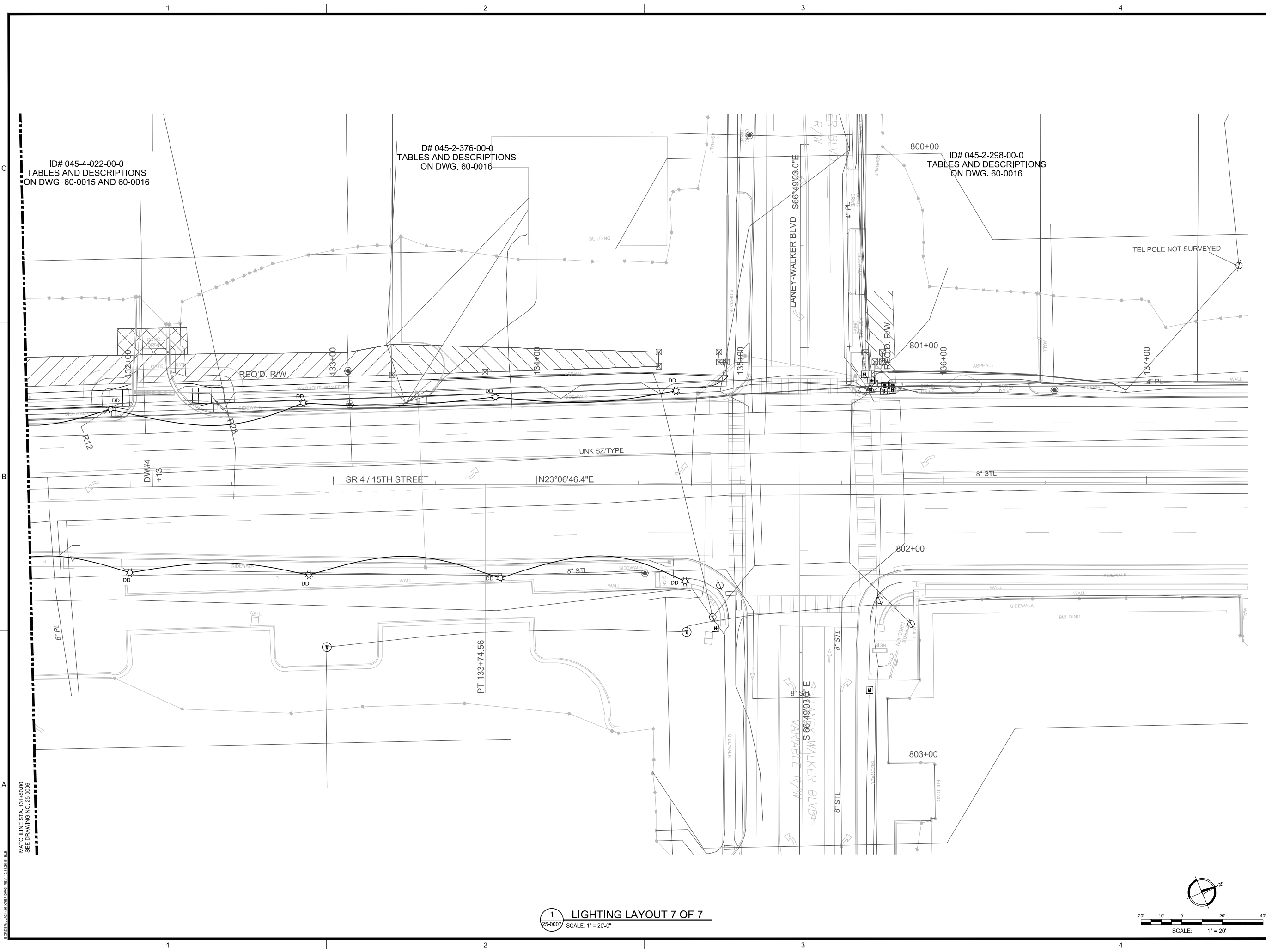
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0	02/26/24	HJW	ISSUED FOR CONSTRUCTION

PROJECT NO. 1144.1701
DRAWN BY: CEB
CHECKED BY: HJW
DATE: 02/26/2024

SHEET TITLE:
LIGHTING LAYOUT 6
OF 7

SCALE: AS NOTED

DRAWING NO. 25-0006
REV. 1



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CLIENT: CITY OF AUGUSTA
520 GREENE STREET, AUGUSTA, GA 30901
PROJECT NAME: 15TH STREET PEDESTRIAN IMPROVEMENTS PROJECT
PROJECT LOCATION: 15TH STREET CORRIDOR

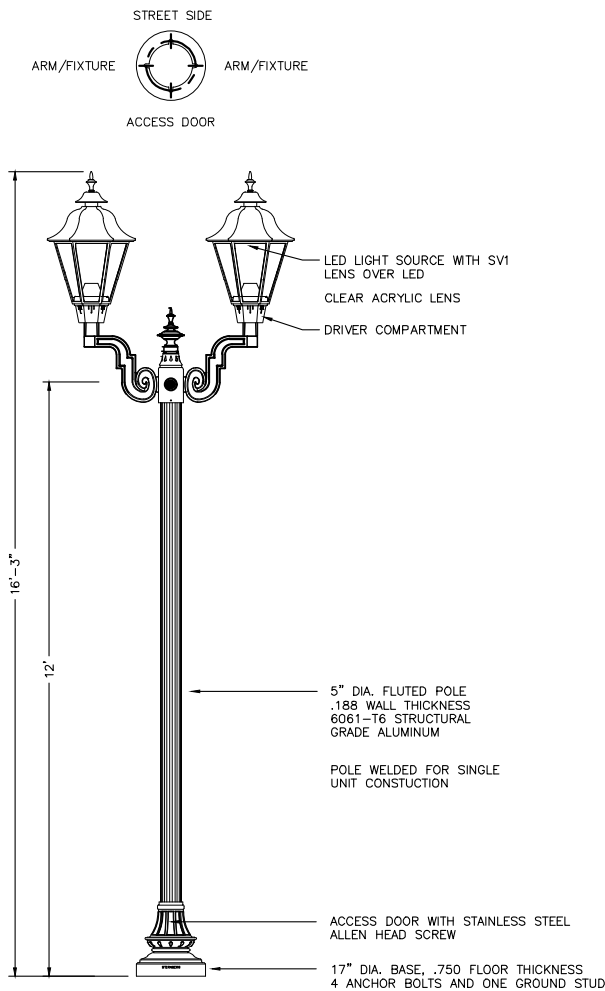
GEORGIA REGISTERED PROFESSIONAL ENGINEER
No. PE009524
FORWARD J. WINT
04/19/2024
JOHNSON, LASCOBER & ASSOCIATES, P.C.
No. PE009524
EXPIRATION DATE: JUNE 30, 2025
CERTIFICATE OF AUTHORIZATION

REV	DATE	BY	DESCRIPTION
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0	02/26/24	HJW	ISSUED FOR CONSTRUCTION

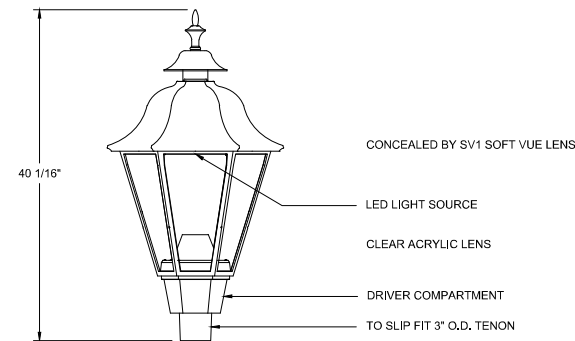
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DRAWN BY: CEB
CHECKED BY: HJW
DATE: 02/26/2024
SHEET TITLE: LIGHTING LAYOUT 7 OF 7
SCALE: AS NOTED
DRAWING NO. 25-0007
REV. 1

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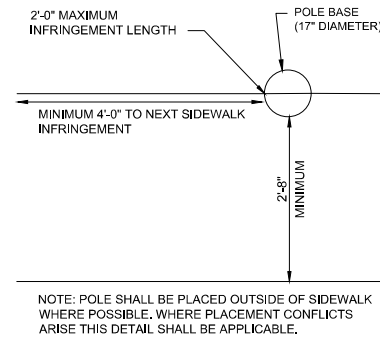
C
B
A



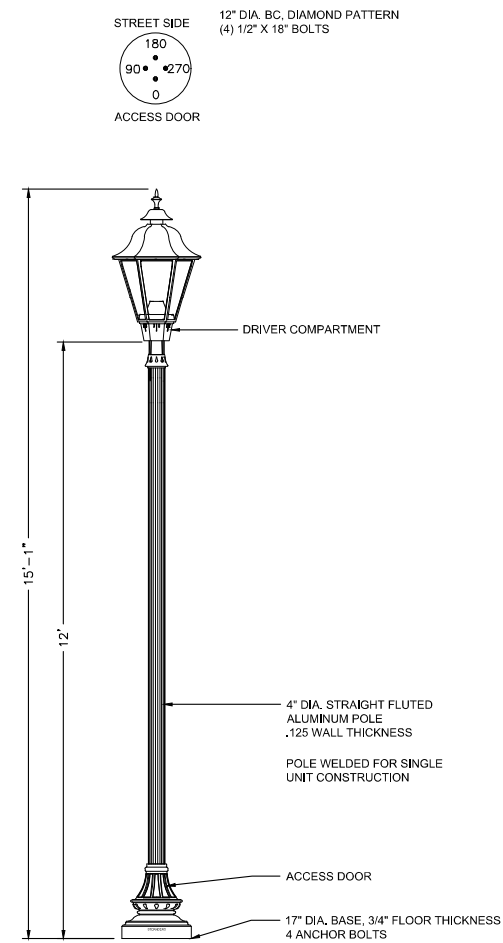
1 FIXTURES AND POLE ASSEMBLY DD
25-0009 NOT TO SCALE



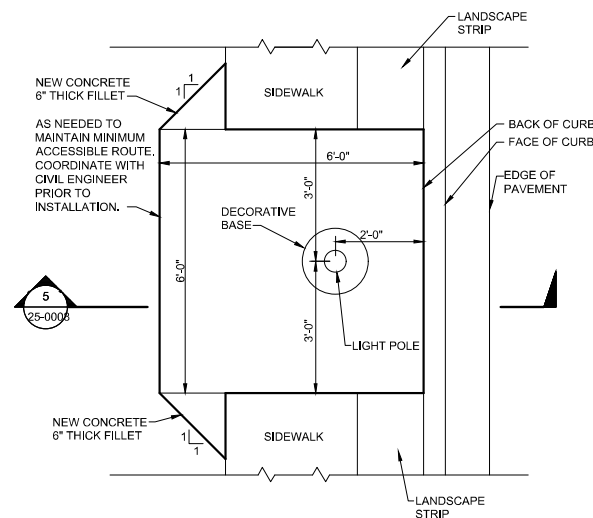
2 ASSEMBLY D & E
25-0009 NOT TO SCALE



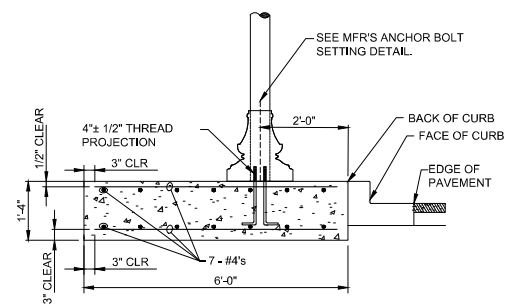
3 POLE LOCATION DETAIL
25-0009 NOT TO SCALE



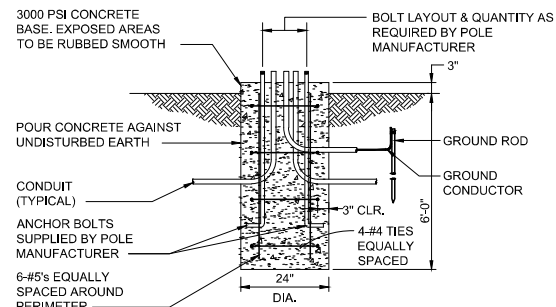
7 FIXTURES AND POLE ASSEMBLY D & E
25-0009 NOT TO SCALE



4 ALTERNATE POLE MOUNTING DETAIL - PLAN
25-0009 NOT TO SCALE



5 ALTERNATE POLE MOUNTING DETAIL - SECTION
25-0009 NOT TO SCALE



6 TYPICAL - POLE MOUNTING DETAIL - PEDESTRIAN POLE
25-0009 NOT TO SCALE

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PROJECT NAME: 15TH STREET PEDESTRIAN IMPROVEMENTS PROJECT
PROJECT LOCATION: 15TH STREET CORRIDOR

GEORGIA REGISTERED PROFESSIONAL ENGINEER
HOWARD J. WINT
09/19/2024
JOHNSON, LASCHOB & ASSOC., P.C.
No. PE000529
EXPIRATION DATE: JUNE 30, 2026
DATE OF AUTHORIZATION

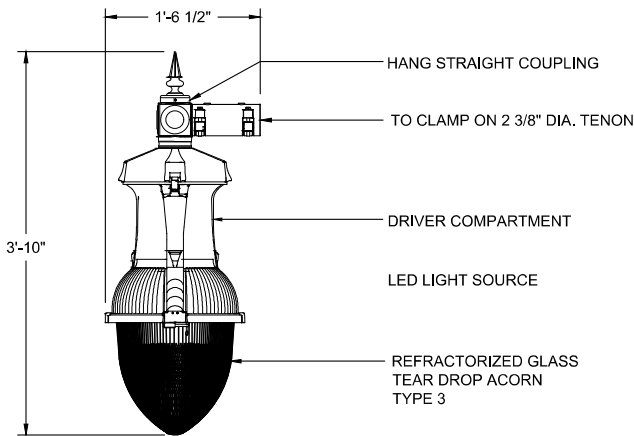
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1	04/15/24	HJW	ISSUED FOR CONSTRUCTION
0	02/26/24	HJW	ISSUED FOR CONSTRUCTION

PROJECT NO. 1144.1701
DRAWN BY: CEB
CHECKED BY: HJW
DATE: 02/26/2024
SHEET TITLE: ELECTRICAL SCHEDULES AND DETAILS
SCALE: AS NOTED
DRAWING NO. 25-0008
REV: 1

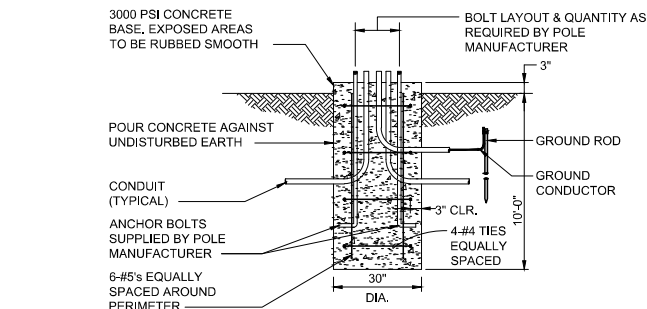
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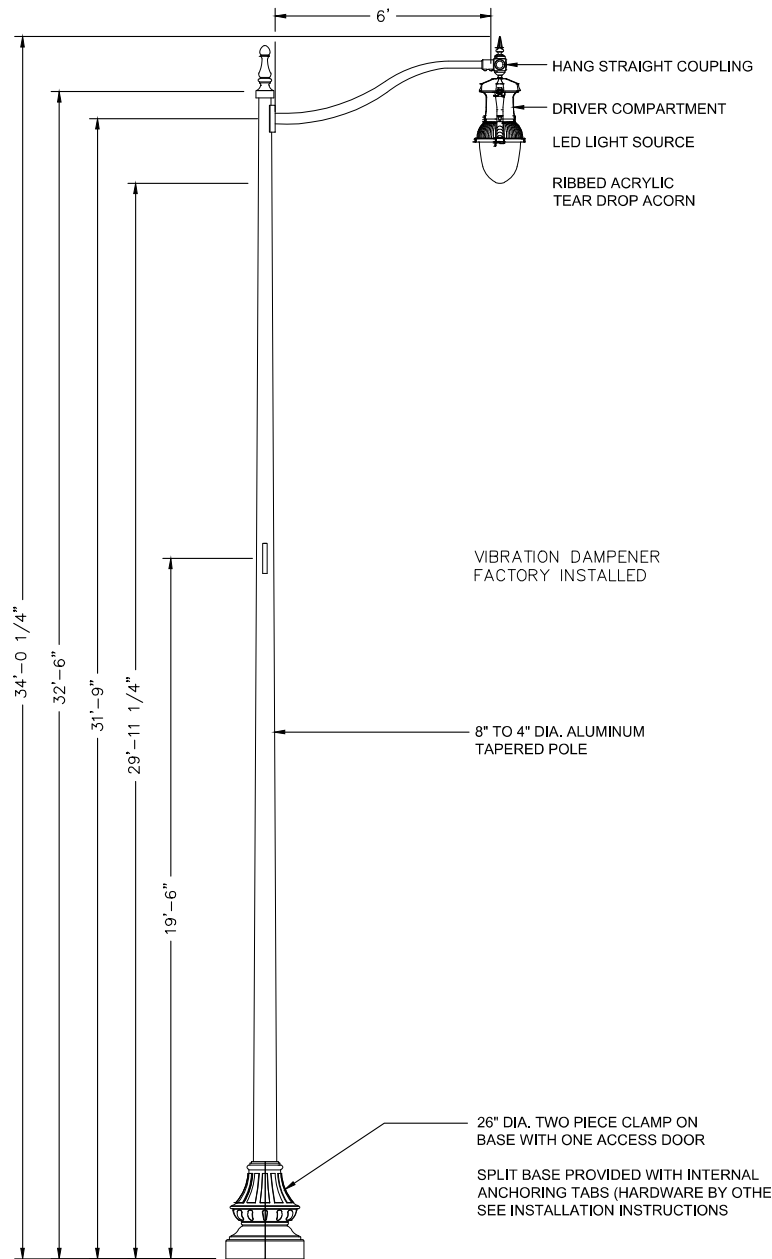
C
B
A



1
25-0009
FIXTURE ASSEMBLY C
NOT TO SCALE



2
25-0009
ALTERNATE - POLE MOUNTING DETAIL - ROADWAY POLE
NOT TO SCALE



3
25-0009
FIXTURE AND POLE ASSEMBLY C
NOT TO SCALE

NOTE: REUSE EXISTING FOUNDATION FOR LIGHT POLES WHERE POSSIBLE. COORDINATE WITH MANUFACTURER TO MATCH BOLT PATTERN OF EXISTING FOUNDATIONS.



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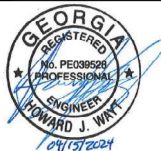
CLIENT:
CITY OF AUGUSTA
520 GREENE STREET, AUGUSTA, GA 30901

PROJECT NAME:

15TH STREET PEDESTRIAN
IMPROVEMENTS PROJECT

PROJECT LOCATION:

15TH STREET CORRIDOR



REV	DATE	BY	DESCRIPTION
1	04/15/24	HJW	ISSUED FOR CONSTRUCTION
0	02/26/24	HJW	ISSUED FOR CONSTRUCTION

PROJECT NO. 1144.1701

DRAWN BY: CEB

CHECKED BY: HJW

DATE: 02/26/2024

SHEET TITLE:

ELECTRICAL
SCHEDULES AND
DETAILS

SCALE: AS NOTED

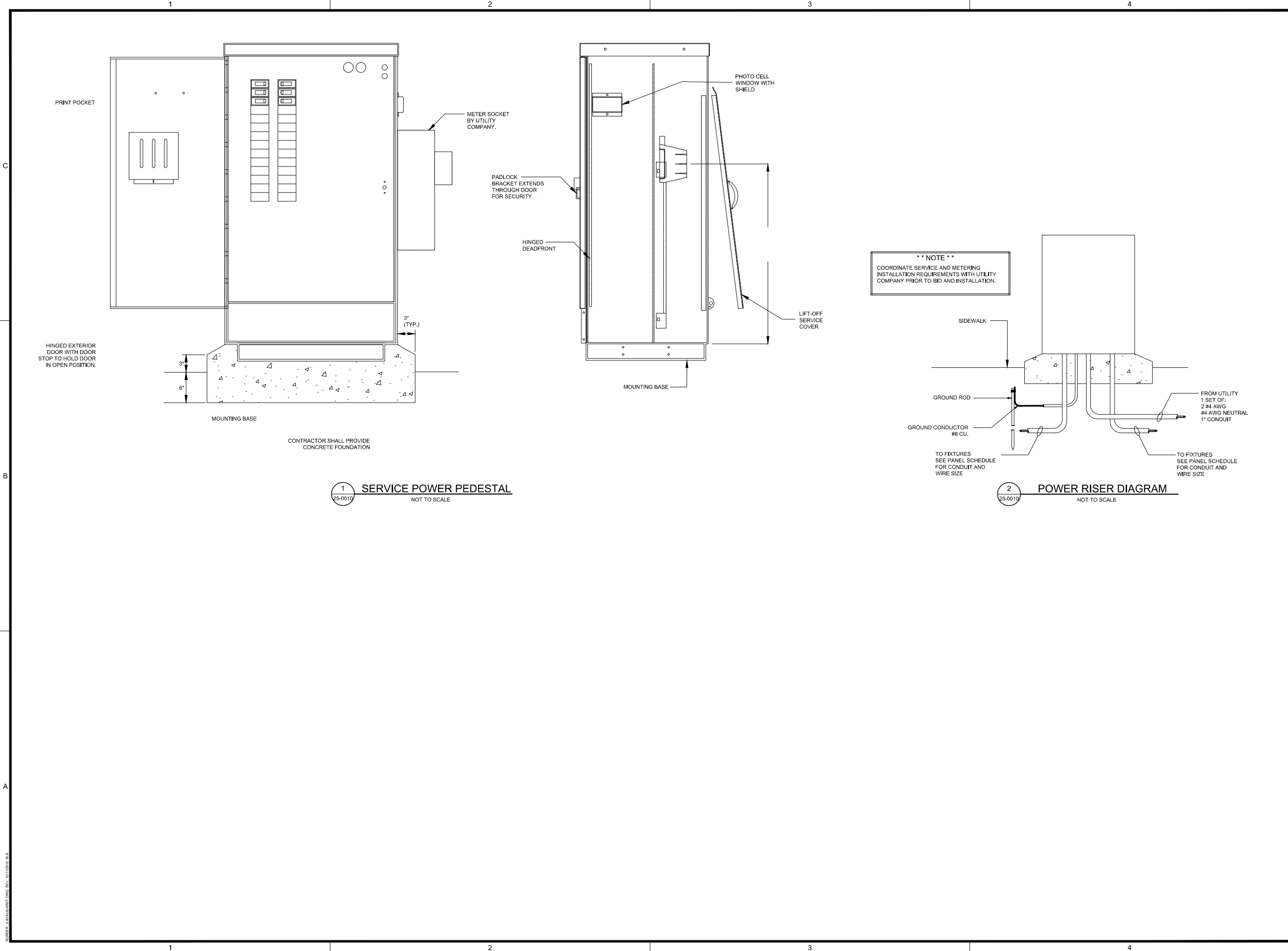
DRAWING NO.

25-0009

REV.

1

K:\11441701\Elec\PHASE 1\1144-ELECTRICAL.dwg Plotted 4/15/2024 4:31 PM By: Clay Blanton





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PROJECT NAME: 15TH STREET PEDESTRIAN IMPROVEMENTS PROJECT

PROJECT LOCATION: 15TH STREET CORRIDOR



REV	DATE	BY	DESCRIPTION
1	04/15/24	HJW	ISSUED FOR CONSTRUCTION
0	02/26/24	HJW	ISSUED FOR CONSTRUCTION

PROJECT NO. 1144.1701

DRAWN BY: CEB

CHECKED BY: HJW

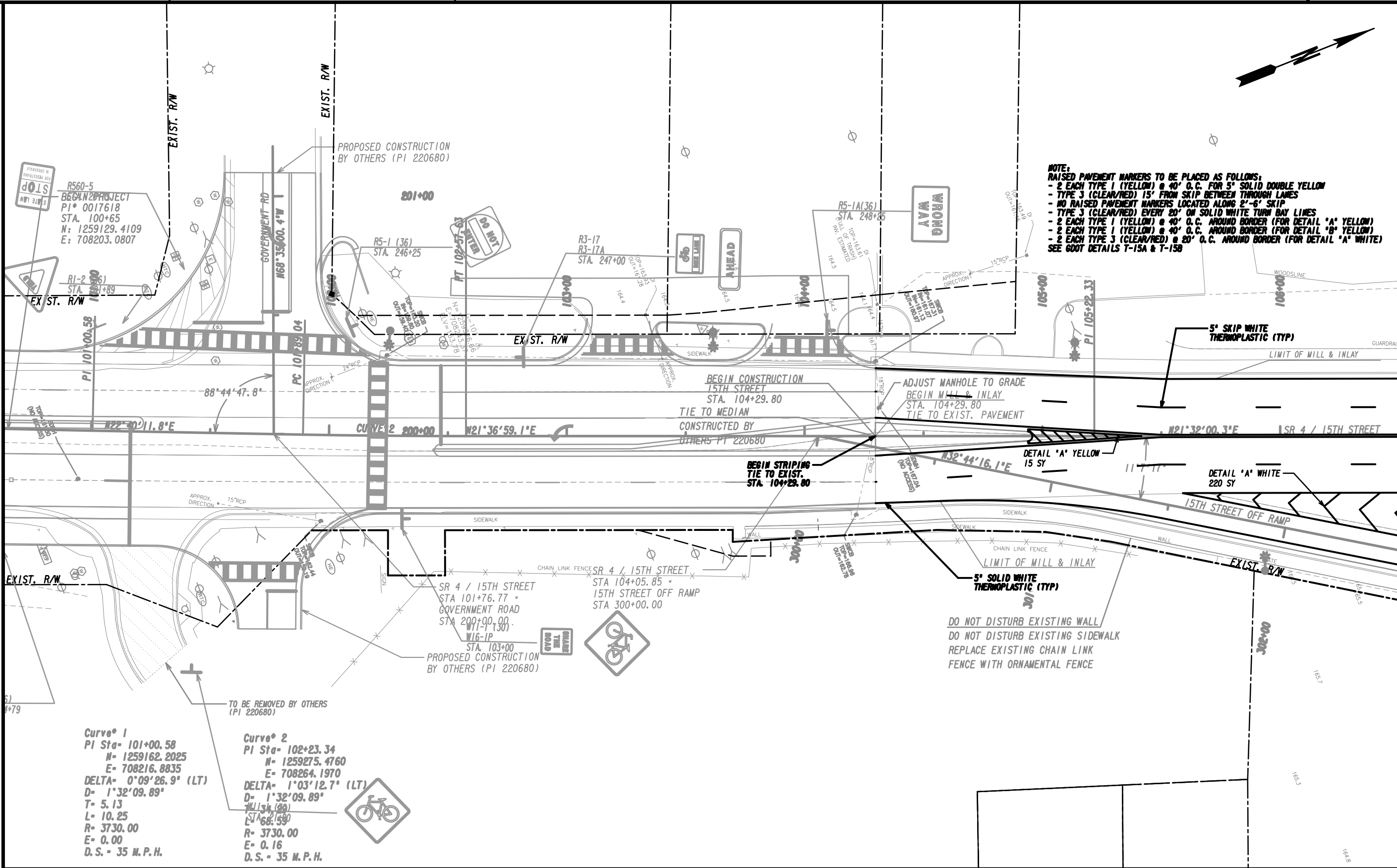
DATE: 02/26/2024

SHEET TITLE: ELECTRICAL SCHEDULES AND DETAILS

SCALE: AS NOTED

DRAWING NO. 25-0010

REV: 1



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

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

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Duluth, GA 30097
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SCALE IN FEET
0 20 40 80

REVISION DATES

NO.	DATE	DESCRIPTION

SIGNING AND MARKING PLANS
15TH ST. PEDESTRIAN IMPROVEMENTS FROM
GOVERNMENT RD. TO LANEY WALKER BLVD.

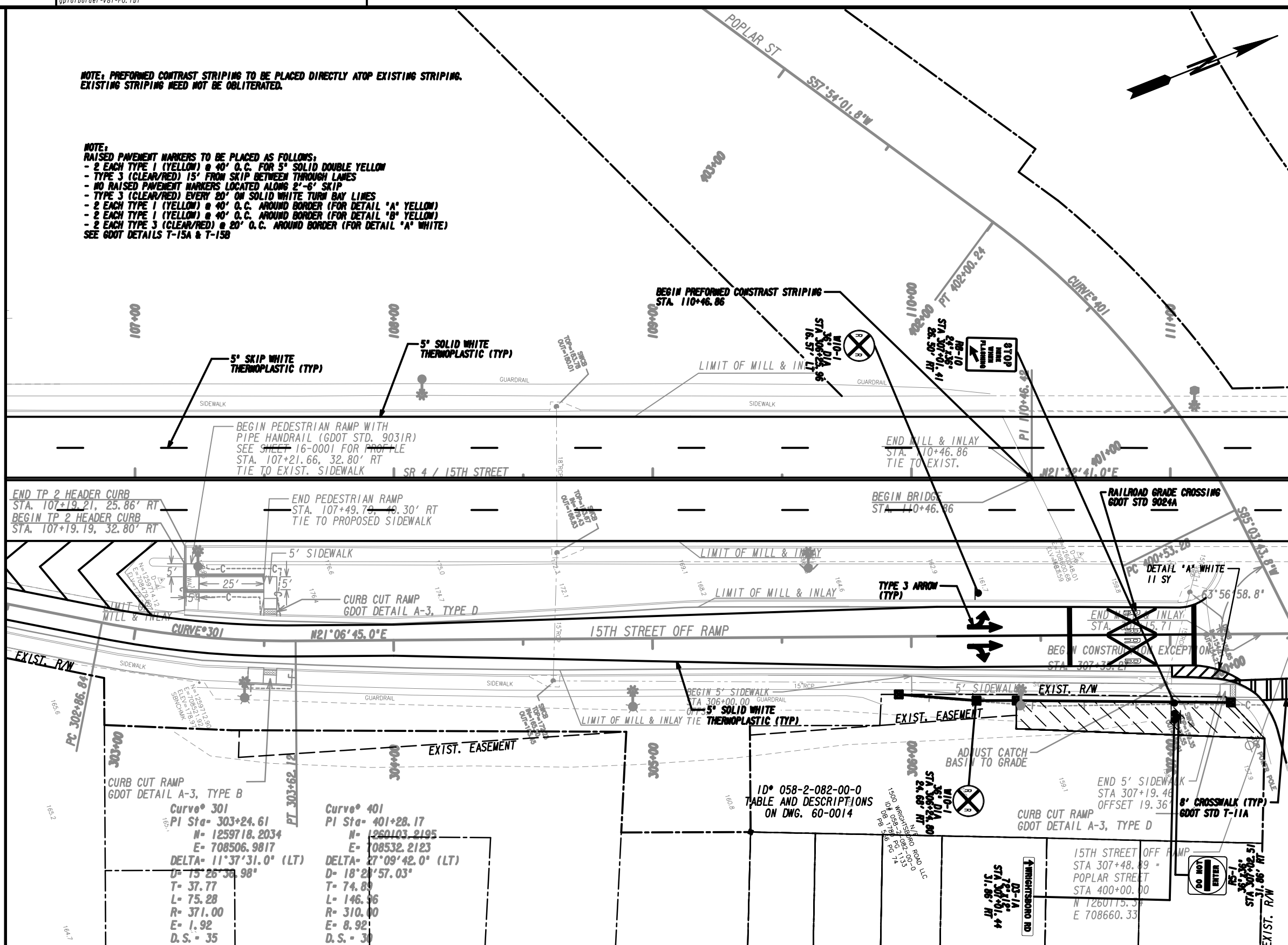
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BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

26-0001

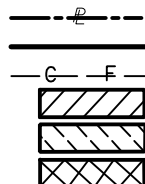
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NOTE:
RAISED PAVEMENT MARKERS TO BE PLACED AS FOLLOWS:
 - 2 EACH TYPE 1 (YELLOW) @ 40' O.C. FOR 5" SOLID DOUBLE YELLOW
 - TYPE 3 (CLEAR/RED) 15' FROM SKIP THROUGH LAMES
 - NO RAISED PAVEMENT MARKERS LOCATED ALONG 2'-6" SKIP
 - TYPE 3 (CLEAR/RED) EVERY 20' ON SOLID WHITE TURN BAY LINES
 - 2 EACH TYPE 1 (YELLOW) @ 40' O.C. AROUND BORDER (FOR DETAIL "A" YELLOW)
 - 2 EACH TYPE 1 (YELLOW) @ 40' O.C. AROUND BORDER (FOR DETAIL "B" YELLOW)
 - 2 EACH TYPE 3 (CLEAR/RED) @ 20' O.C. AROUND BORDER (FOR DETAIL "A" WHITE)
 SEE GOOD DETAILS T-15A & T-15B

**MATCHLINE STA. 111+50.00
SEE DRAWING NO. 26-00003**



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



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



SCALE IN FEET

A horizontal scale bar with a black and white alternating pattern. It is labeled "SCALE IN FEET" in bold, italicized capital letters. Below the bar, there are numerical markings at 0, 20, 40, and 80.

REVISION DATES

**SIGNING AND MARKING PLANS
15TH ST. PEDESTRIAN IMPROVEMENTS FROM
GOVERNMENT RD. TO LANEY WALKER BLVD.**

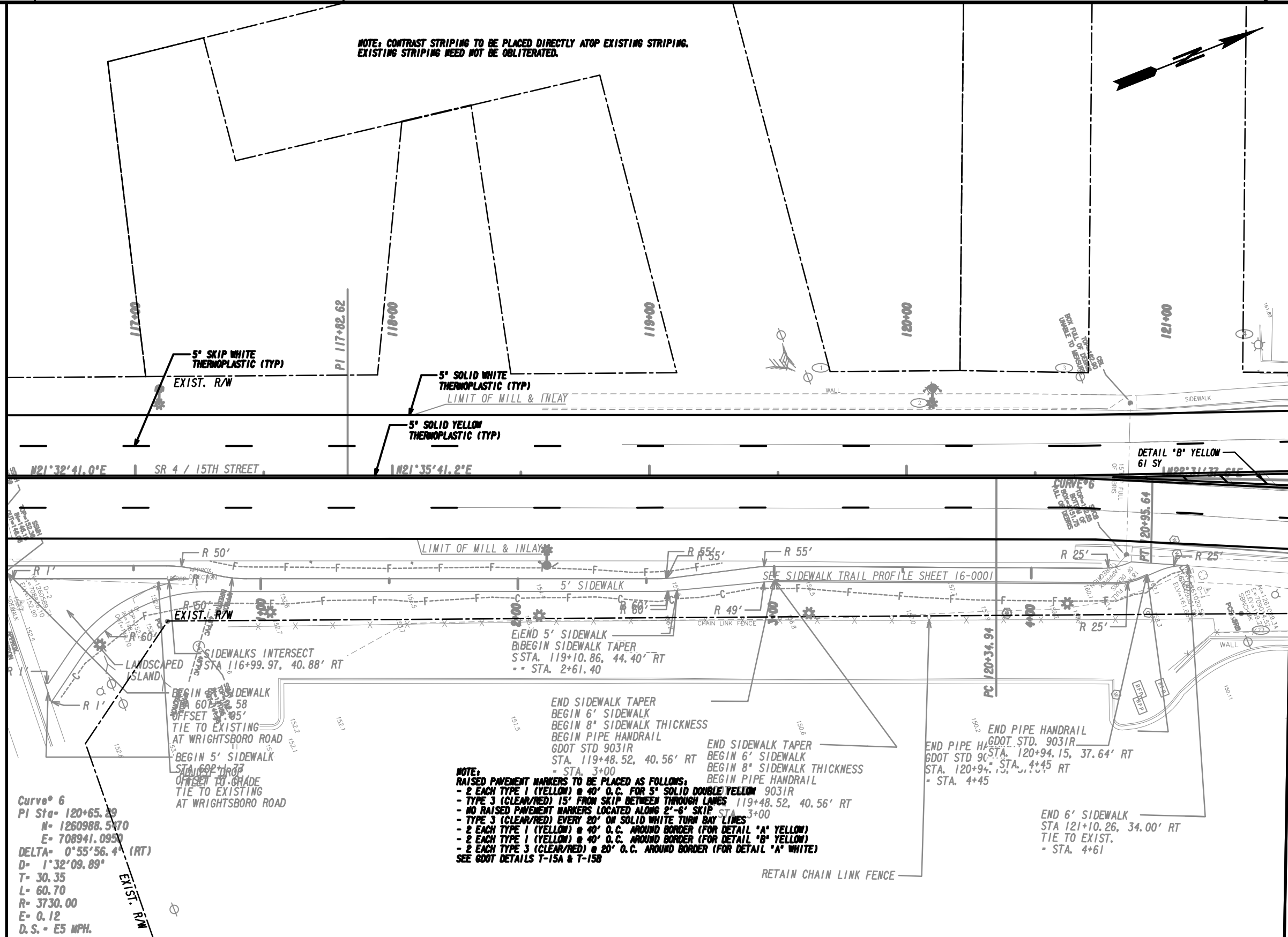
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BACKCHECKED:		DATE:		
CORRECTED:		DATE:		
VERIFIED:		DATE:		



DRAWING No.

26-0003

MATCHLINE STA. 116+50.00
SEE DRAWING No. 26-0003



MATCHLINE STA. 121+50.00
SEE DRAWING No. 26-0005

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

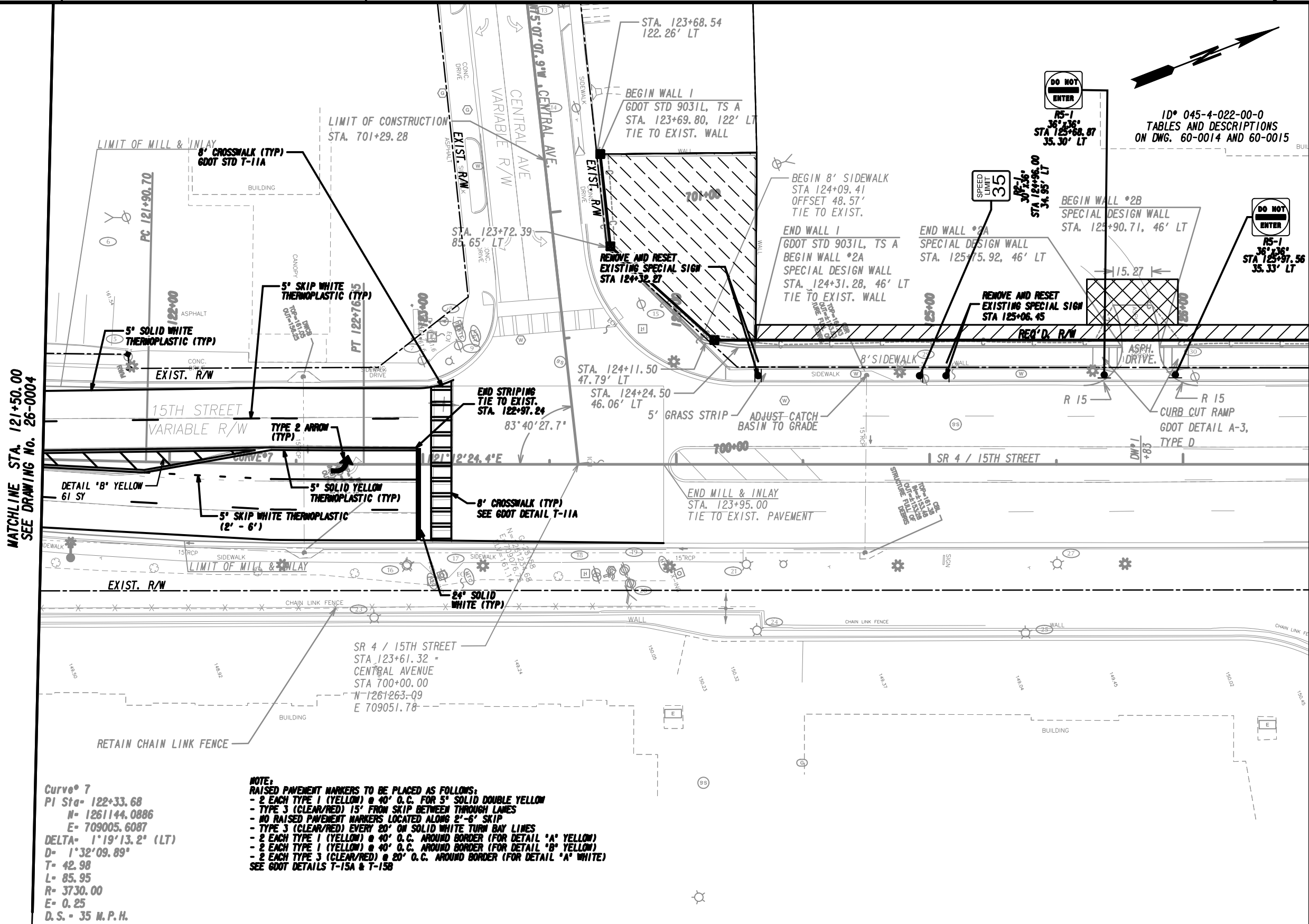
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END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)



REVISION DATES

SIGNING AND MARKING PLANS
15TH ST. PEDESTRIAN IMPROVEMENTS FROM
GOVERNMENT RD. TO LANEY WALKER BLVD.

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



Curve* 7
PI Sta= 122+33.68
N= 1261144.0886
E= 709005.6087
DELTA= 1°19'13.2" (LT)
D= 1°32'09.89"
T= 42.98
L= 85.95
R= 3730.00
E= 0.25
D.S. = 35 M.P.H.

NOTE:
RAISED PAVEMENT MARKERS TO BE PLACED AS FOLLOWS:
- 2 EACH TYPE 1 (YELLOW) @ 40' O.C. FOR 5' SOLID DOUBLE YELLOW
- TYPE 3 (CLEAR/RED) 15' FROM SKIP BETWEEN THROUGH LANES
- NO RAISED PAVEMENT MARKERS LOCATED ALONG 2'-6" SKIP
- TYPE 3 (CLEAR/RED) EVERY 20' ON SOLID WHITE TURN BAY LINES
- 2 EACH TYPE 1 (YELLOW) @ 40' O.C. AROUND BORDER (FOR DETAIL 'A' YELLOW)
- 2 EACH TYPE 1 (YELLOW) @ 40' O.C. AROUND BORDER (FOR DETAIL 'B' YELLOW)
- 2 EACH TYPE 3 (CLEAR/RED) @ 20' O.C. AROUND BORDER (FOR DETAIL 'A' WHITE)
SEE GDOT DETAILS T-15A & T-15B

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

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



REVISION DATES

SIGNING AND MARKING PLANS
15TH ST. PEDESTRIAN IMPROVEMENTS FROM
GOVERNMENT RD. TO LANEY WALKER BLVD.

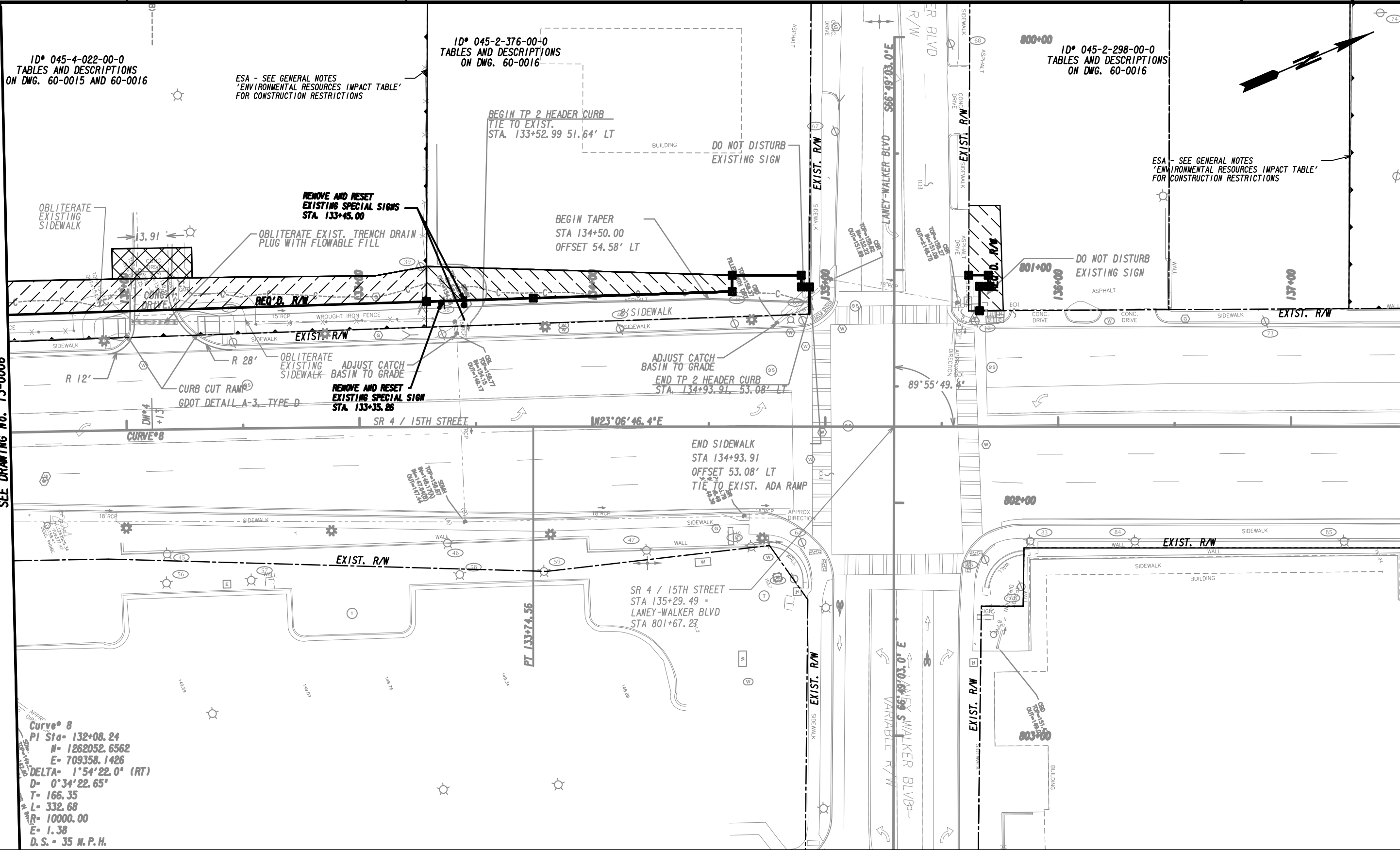
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VERIFIED:		DATE:	

DRAWING No.

26-0005



CHECKED:	DATE:	DRAWING No. 26-0006
BACKCHECKED:	DATE:	
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
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

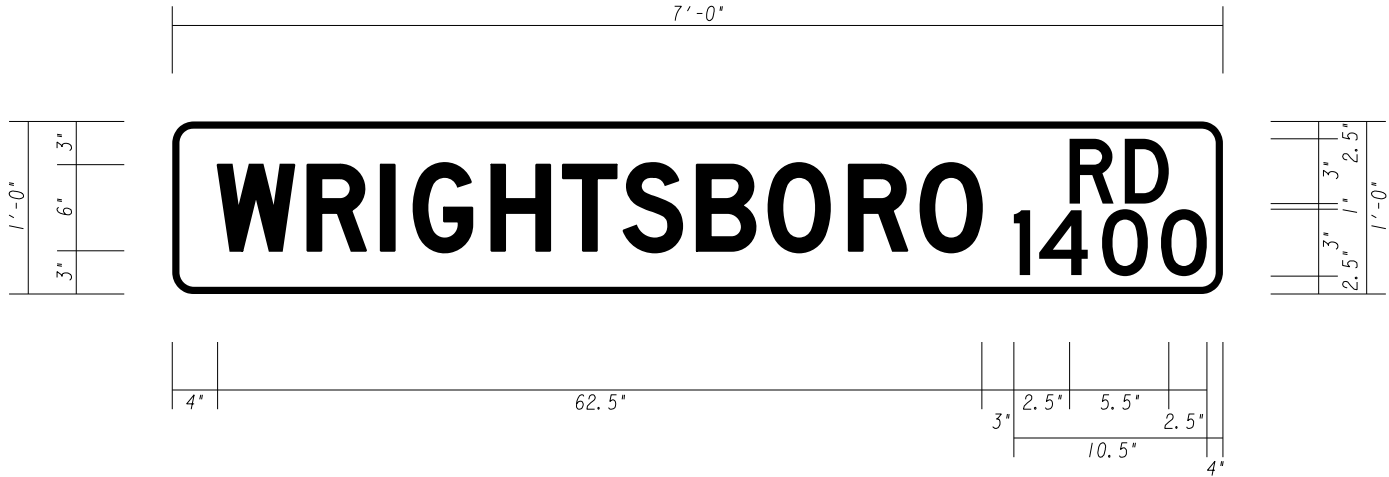
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SCALE IN FEET
0 20 40 80

REVISION DATES	

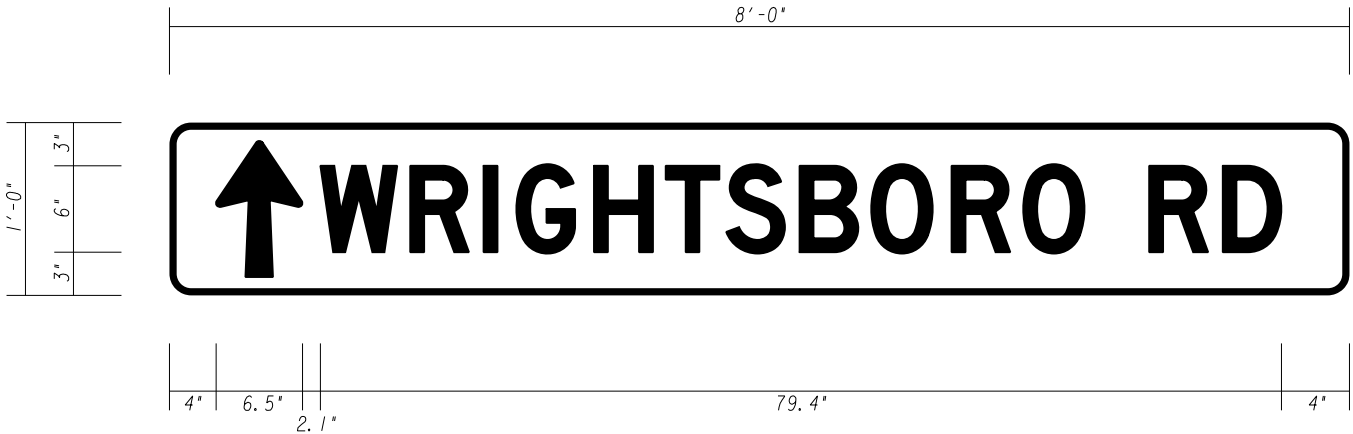
SIGNING AND MARKING PLANS
15TH ST. PEDESTRIAN IMPROVEMENTS FROM
GOVERNMENT RD. TO LANEY WALKER BLVD.

CHECKED:		DATE:		DRAWING No. 26-0007
BACKCHECKED:		DATE:		
VERIFIED:		DATE:		



1.5" RADIUS. 1.5" BORDER. WHITE ON GREEN.

D3-1A
72" x 12"



1.5" RADIUS. 1.5" BORDER. WHITE ON GREEN.

REVISION DATES

SIGNING AND MARKING PLANS
15TH ST. PEDESTRIAN IMPROVEMENTS FROM
GOVERNMENT RD. TO LANEY WALKER BLVD.

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

DRAWING No.

26-0008

TRAFFIC SIGNAL GENERAL NOTES

1. THE COMPLETE SIGNAL INSTALLATION SHALL CONFORM TO THE 2021 GEORGIA DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR THE CONSTRUCTION OF TRANSPORTATION SYSTEMS, INCLUDING ALL SUPPLEMENTAL SPECIFICATIONS (SPECIFICALLY SECTIONS 647 & 925), THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION, THE NATIONAL ELECTRIC CODE, CURRENT EDITION AND GEORGIA DEPARTMENT OF TRANSPORTATION'S STANDARDS AND DETAILS.

2. SHIELDED STRANDED CABLE WILL BE USED FOR DETECTOR RUNS AS SHOWN ON THE DETAIL SHEET. DETECTORS SHALL HAVE SEPARATE LEAD-INS TO THE CONTROL CABINET. ONLY ONE (1) PHASE PER LEAD-IN CABLE WILL BE ALLOWED.

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

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

5. THE CONTRACTOR SHALL MAINTAIN EXISTING TRAFFIC SIGNALS DURING CONSTRUCTION. THE CONTRACTOR SHALL MAINTAIN EXISTING VEHICLE DETECTION AND BE RESPONSIBLE FOR ALL TRAFFIC SIGNAL AND/OR CONTROL SYSTEMS ADJUSTMENTS, INCLUDING TEMPORARY SUPPORT POLE LOCATIONS REQUIRED BY THE PROJECT DURING THE INTERIM PERIOD THROUGHOUT INSTALLATION OF THE NEW SIGNAL EQUIPMENT. AT NO TIME SHALL THE CONTRACTOR CAUSE ANY PART OF THE TRAFFIC SIGNAL TO BE INOPERABLE. PLEASE CONTACT KENNY MASS, TRAFFIC SIGNAL/ITS DIVISION MANAGER- CITY OF AUGUSTA TRAFFIC ENGINEERING AT 1-706-821-1712 (WORK) OR 1-706-564-2701 (CELL) AT LEAST 24 HOURS BEFORE BEGINNING WORK SO THAT HE OR A TRAFFIC SIGNAL REPRESENTATIVE CAN MEET WITH THE CONTRACTOR ON SITE CONCERNING THE TRAFFIC SIGNAL OPERATION.

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

7. INSTALLATION IS TO BE CHECKED AND ACCEPTED BY THE DISTRICT TRAFFIC SIGNAL ENGINEER AND AGUSTA/RICHMOND COUNTY TRAFFIC ENGINEERING PRIOR TO FINAL ACCEPTANCE. REQUEST FOR INSPECTION MUST BE SENT IN WRITING OR VIA E-MAIL TO THE DISTRICT TRAFFIC ENGINEER AT 'GEORGIA DEPARTMENT OF TRANSPORTATION, 643 HIGHWAY 15 SOUTH, TENNILLE, GEORGIA 31089, ATTENTION: DISTRICT TRAFFIC ENGINEER' A MINIMUM OF ONE WEEK PRIOR TO THE DATE OF INSPECTION.

8. WHEN REMOVED, EXISTING SIGNAL EQUIPMENT SHALL BE DELIEVERED, UNLOADED AND PLACED IN A DESIGNATED LOCATION BY THE CONTRACTOR AT THE AUGUSTA/RICHMOND COUNTY TRAFFIC ENNERRING SIGNAL SHOP, 1568 BROAD STREET AUGUSTA, GA. 30904. PLEASE CONTACT KENNY MASS, TRAFFIC SIGNAL/ITS DIVISION MANAGER- CITY OF AUGUSTA TRAFFIC ENGINEERING AT 1-706-821-1712 (WORK) OR 1-706-564-2701 (CELL) FOR TIME AT LEAST 24 HOURS PRIOR TO DELIEVERY.



Know what's below.
Call before you dig.

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

10. MATERIAL CERTIFICATION AND APPROVAL BY GDOT TRAFFIC SIGNAL ENGINNER AND/OR DEPARTMENT DESIGNEE IS REQUIRED PRIOR TO ORDERING ANY SIGNAL EQUIPMENT OR BEGINNING ANY INSTALLATION WORK. USE ONLY EQUIPMENT AND MATERIALS THAT ARE ON THE DEPARTMENT'S QUALIFIED PRODUCTS LIST (QPL). THE CONTRACTOR SHALL FOLLOW PROCEDURES OUTLINED IN THE 2021 EDITION OF THE GEORGIA DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR THE CONSTRUCTION OF TRANSPORTATION SYSTEMS, INCLUDING ALL SUPPLEMENTAL SPECIFICATIONS (SPECIFICALLY SECTIONS 647 & 925).

11. PROPOSED ATTACHMENT HEIGHTS LOCATIONS ARE PROVIDED AS GENERAL GUIDELINES TO THE TRAFFIC SIGNAL INSTALLER. ACTUAL ATTACHMENT HEIGHTS SHALL BE FIELD DETERMINED BY INSTALLER PRIOR TO ORDERING SIGNAL POLES/MAST ARM POLES TO PROVIDE REQUIRED SIGNAL HEAD MOUNTING HEIGHTS AND CLEARANCE FROM EXISTING UTILITIES.

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

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

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

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

16. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL MONTHLY POWER AND COMMUNICATION SERVICE TO THE TRAFFIC SIGNAL INSTALLATION AND SUPPORT DEVICES UNTIL THE TRAFFIC SIGNAL INSTALLTION HAS SATISFACTORILY COMPLETED A TEST PERIOD OF UNINTERRUPTED OPERATION FOR THIRTY (30) DAYS. UPON COMPLETION OF THE TEST PERIOD AND THE LETTER OF ACCEPTANCE FROM THE DISTRICT SIGNAL ENGINEER, THE CONTRACTOR WILL COMPLETE A TRANSFER OF UTILITY COST TO THE CITY OF AUGUSTA.

17. CONTRACTOR SHALL SUBMIT LOAD CALCULATIONS, SHOP DRAWINGS AND FOUNDATION DIMENSIONS OF POLES AND CATALOG CUTS OF PROPOSED SIGNAL EQUIPMENT AND ELECTRICAL/LINE HARDWARE MATERIALS TO THE CITY OF AUGUSTA FOR APPROVAL.

18. LOOP DETECTOR UNIT SHALL ENERGIZE ITS INDIVIDUAL LOOP CHANNELS NONCONCURRENTLY. DETECTOR UNIT SHALL BE FAIL SAFE (PROVIDE A CONSTANT CALL TO THE CONTROLLER IF LOOP FAILURE OCCURS).

19. CONDUIT ROUTED UNDER DRIVEWAYS OR ROADWAYS SHALL BE TYPE 3 (HDPE).

20. ALL PEDESTRIAN SIGNAL HARDWARE (PEDESTRIAN SIGNAL HEADS, MOUNTING BRACKETS, PUSH BUTTON STATIONS, PUSH BUTTON STATION ADAPTERS, PEDESTAL POLES AND BASES, ETC) ARE TO BE BLACK. ALL SPAN WIRE/MAST ARM MOUNTED SIGNAL HEAD HARDWARE (SIGNAL HEADS, MOUNTING BRACKETS, GOOSENECKS, ETC.) ARE TO BE BLACK.

21. THE CONTRACTOR WILL BE RESPONSIBLE FOR TRAFFIC CONTROL DURING CONSTRUCTION.

22. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ADEQUATE VERTICAL CLEARANCE OF PROPOSED FLASHING YELLOW ARROWS PRIOR TO INSTALLATION. IF ADEQUATE VERTICAL CLEARANCE CANNOT BE OBTAINED WITH THE 4-SECTION FLASHING YELLOW ARROWS, A BIMODAL 3-SECTION FLASHING YELLOW ARROW CAN BE USED. THE CITY OF AUGUSTA TRAFFIC ENGINEER SHALL BE NOTIFIED OF THE MEASURED VERTICAL CLEARANCES AND THE PROPOSED VEHICULAR SIGNAL HEAD THAT WILL BE INSTALLED.

23. THE CONTRACTOR SHALL NOTIFY CITY OF AUGUSTA TRAFFIC ENGINEERING FOR LOCATION OF CCTV BEFORE INSTALLATION.

24. ALL MAST ARMS ARE TO BE PAINTED WITH RECOATABLE EPOXY PRIMER AND TOP COAT CONSISTING OF A HIGH SOLID POLYURETHANE PAINT. THE COLOR IS TO BE A SEMI/GLOSS BLACK.

25. AS PER SOME POWER COMPANIES, IT IS REQUIRED THAT ALL TRAFFIC CONTROL DEVICES BE METERED. THE SIGNAL CONTRACTOR IS TO COORDINATE WITH THE LOCAL POWER COMPANY AND AUGUSTA/RICHMOND COUNTY TRAFFIC ENGINEERING FOR POWER CONNECTION AND METERING REQUIREMENTS.

26. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL VERTICAL AND HORIZONTAL OVERHEAD UTILITY CLEARANCES PER NEC AND GDOT SPECIFICATIONS. ANY EXISTING OVERHEAD UTILITIES THAT ARE IN CONFLICT WITH THE TRAFFIC SIGNAL INSTALLATION WILL HAVE TO BE ADJUSTED. MINOR SHIFTS (UP TO 5 FT.) IN NEW STRAIN POLE LOCATIONS AT THE DISCRETION OF THE ENGINEER ARE ACCEPTABLE TO AVOID OVERHEAD UTILITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR UTILITY HEIGHT ADJUSTMENTS WHENEVER NEEDED TO ACCOMMODATE SIGNAL SPAN WIRE CROSSING. A 10' CLEAR ZONE SHALL BE MAINTAINED BETWEEN OVERHEAD POWER UTILITIES AND SIGNAL EQUIPMENT.

27. UPON THE DEPARTMENT ISSUANCE OF NOTICE TO PROCEED ANY EXISTING TRAFFIC SIGNAL EQUIPMENT RESPONSIBILITIES FOR MAINTENANCE, OPERATIONS AND RESPONSE TO TRAFFIC SIGNAL MALFUNCTIONS BECOME THE RESPONSIBILITY OF THE CONTRACTOR AND WILL END WHEN THE DEPARTMENT ACCEPTS THE SIGNAL. PROVISIONS OF SUBSECTION 647.3.07, "CONTRACTOR WARRANT AND MAINTENANCE", APPLY

28. A COMPLETE SIGNAL TIMING PROGRAM IS TO BE DEVELOPED AND INSTALLED IN THE SIGNAL CONTROLLER. SEE GEORGIA DEPARTMENT OF TRANSPORTATION, STATE OF GEORGIA SPECIAL PROVISION SECTION 687 - TRAFFIC SIGNAL TIMING.



REVISION DATES

SIGNAL PLANS
15TH STREET PEDESTRIAN IMPROVEMENTS

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

27-0001

LEGEND - TRAFFIC SIGNALS

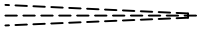
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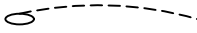
- 

CONTROLLER CABINET
- 

STRAIN POLE
- 

TIMBER POLE
- 

DOWN GUY
- 

MAST ARM
- 

STREET LIGHT
- 

3 SECTION HEAD
- 

3 SECTION HEAD W/BACKPLATE
- 

4 SECTION HEAD
- 

4 SECTION HEAD W/BACKPLATE
- 

4/5 SECTION (CLUSTER/T-SHAPE) HEAD
- 

4/5 SECTION (CLUSTER/T-SHAPE) HEAD W/BACKPLATE
- 

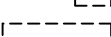
OVERHEAD SIGN
- 

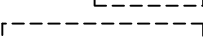
PEDESTAL POLE
- 

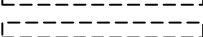
PED SIGNAL HEAD
- 

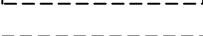
CURB CUT RAMP, ALL TYPE
- 

PULLBOX, (TYPE TO BE CALLED OUT)
- 

6X6 PULSE LOOP
- 

6X18 CALL LOOP
- 

6X40 PRESENCE LOOP (DIPOLE)
- 

6X40 PRESENCE LOOP (QUADRUPOLE)
- 

CONDUIT, ALL TYPE
- 

RAILROAD CONTROLLER
- 

SIGN POST

PROPOSED

- 

CONTROLLER CABINET
- 

STRAIN POLE
- 

TIMBER POLE
- 

DOWN GUY
- 

MAST ARM
- 

STREET LIGHT
- 

3 SECTION HEAD W/BACKPLATE
- 

4 SECTION HEAD W/BACKPLATE
- 

4/5 SECTION (CLUSTER/T-SHAPE) HEAD W/BACKPLATE
- 

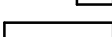
OVERHEAD SIGN
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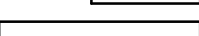
PEDESTAL POLE
- 

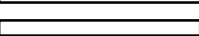
PED SIGNAL HEAD
- 

CURB CUT RAMP, (TYPE TO BE CALLED OUT)
- 

PULLBOX, (TYPE TO BE CALLED OUT)
- 

6X6 PULSE LOOP
- 

6X18 CALL LOOP
- 

6X40 PRESENCE LOOP (DIPOLE)
- 

6X40 PRESENCE LOOP (QUADRUPOLE)
- 

CONDUIT, (TYPE TO BE CALLED OUT)
- 

CONDUIT, DIRECTIONAL BORE
- 

RAILROAD CONTROLLER CABINET
- 

SIGN POST
- 

RADAR DETECTION DEVICE
- 

MAGNETOMETER DETECTION DEVICE
- 

VIDEO DETECTION DEVICE
- 

VIRTUAL DETECTION ZONE (RADAR, VIDEO, ETC.)

RELOCATED

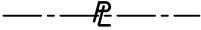
- 

3 SECTION HEAD W/BACKPLATE
- 

4 SECTION HEAD W/BACKPLATE
- 

4/5 SECTION (CLUSTER/T-SHAPE) HEAD W/BACKPLATE

AGENCY SPECIFIC

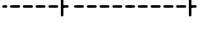
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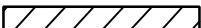
PROPERTY LINE
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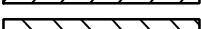
EXIST. R/W
- 

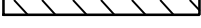
REQUIRED R/W
- 

CONSTRUCTION CUT LIMIT
- 

CONSTRUCTION FILL LIMIT
- 

EASEMENT FOR CONSTRUCTION & MAINTENANCE OF SLOPES
- 

EASEMENT FOR CONSTRUCTION OF SLOPES
- 

EASEMENT FOR CONSTRUCTION OF DRIVES
- 

BEGIN LIMIT OF ACCESS
- 

END LIMIT OF ACCESS
- 

REQUIRED LIMIT OF ACCESS
- 

REQUIRED LIMIT OF ACCESS & R/W
- 

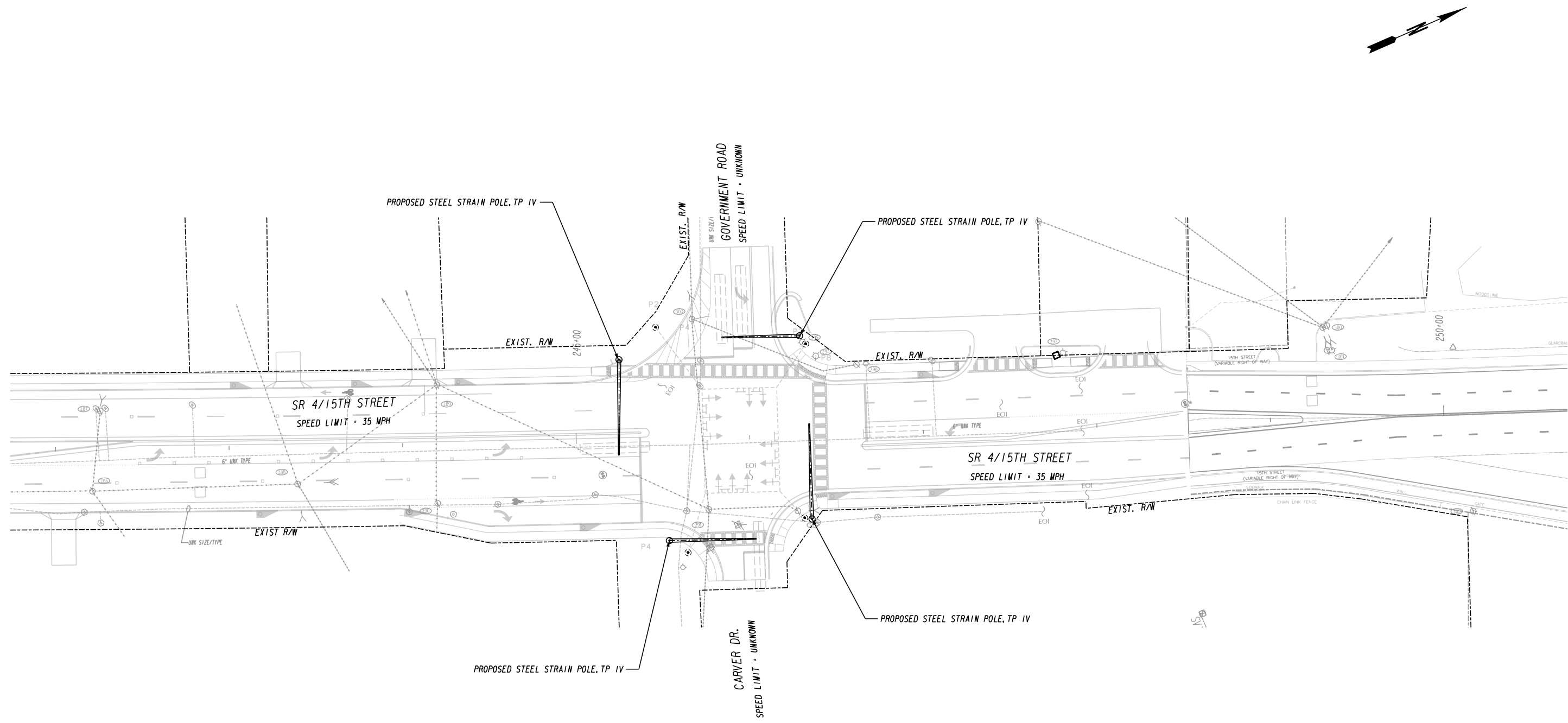
ORANGE BARRIER FENCE
- 

ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

REVISION DATES

SIGNAL PLANS
15TH STREET PEDESTRIAN IMPROVEMENTS

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



10/23/2015
6/18/2026 10:34:08 AM

GPLN

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Duluth, AG 30097
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SCALE IN FEET

REVISION DATES		
6-9-26		

SIGNAL PLANS

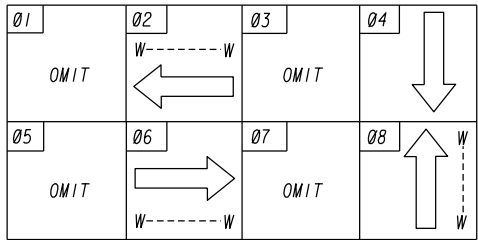
EXISTING CONDITIONS & PROPOSED STRUCTURES

INTERSECTION #1

SR 4/15TH STREET @ GOVERNMENT ROAD

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

PHASING DIAGRAM



INSTALL:
CONDUIT, TP 3, 3-2" (255 LF)
IN 7" DIRECTIONAL BORE (85 LF)

INSTALL:
332 CL40 QUAD CABINET & BASE
2070LX CONTROLLER, UNINTERRUPTIBLE POWER SUPPLY
WIRELESS SYSTEM, TYPE 4
CONDUIT, NM, TP 2, 5-2" (50 LF) & 3-1" (30 LF)
PULLBOX, TP 5

INSTALL:
MILIBANK OR EQUIVALENT METER
HOOKUP PEDESTAL (PAD-MOUNT)
METER & POWER DISCONNECT BOX
CONDUIT, GRS 1-1" (15 LF) TO CABINET
CONDUIT, GRS 1-1" (50 LF) TO POWER SOURCE

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

INSTALL:
STEEL STRAIN POLE, TP IV W/ 55' MAST ARM
CCTV (Axis 06075-E W/ 10" SHEPHERD'S HOOK & HARDWARE MOUNT
(SR 4 / 15TH ST, STA. 245+25.79, LT 47.9')
VIDEO DETECTION SYSTEM (VDS 5/2A/2B)
CONDUIT, NONMETAL, TP 2, 3-2" (30 LF) & 2-1" (10 LF)
PULLBOX, TP 3

R9-3A
R9-3B

EXISTING TO REMAIN:
PED POLE, PUSHBUTTON & PED SIGNAL HEAD
ROUTE PED LEAD-IN CABLE FROM EXISTING PULLBOX
TO NEW STRAIN POLE PULLBOX

EXIST. R/W

SR 4/15TH STREET
SPEED LIMIT = 35 MPH

V6A → 260' TO STOP LINE

V6B

EXIST. R/W

INSTALL:
CONDUIT, TP 3, 3-2" (360 LF)
IN 7" DIRECTIONAL BORE (120 LF)

INSTALL:
STEEL STRAIN POLE, TP IV W/ 50' MAST ARM
(SR 4 / 15TH ST, STA. 245+56.16, RT 37.0')
VIDEO DETECTION SYSTEM (VDS 4/7)
CONDUIT, NM, TP 2, 3-2" (30 LF) & 2-1" (20 LF)
PULLBOX, TP 3

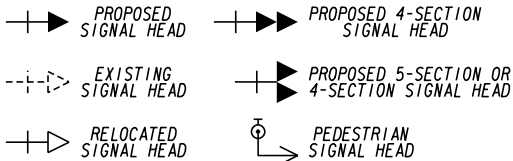
EXISTING TO REMAIN:
PED POLE, PUSHBUTTON & PED SIGNAL HEAD
ROUTE PED LEAD-IN CABLE FROM EXISTING PULLBOX

DO NOT DISTURB:
EXISTING POWER MAST

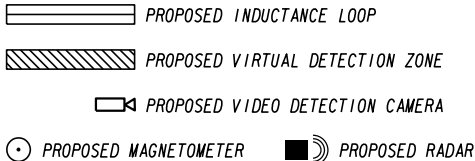
NOTES:

- ALL VEHICULAR AND PEDESTRIAN SIGNAL HEADS, PEDESTRIAN POLES AND PUSHBUTTON HOUSING SHALL BE BLACK.
- ALL MAST ARM STEEL POLES SHALL BE BLACK POWDER COATED.
- VIDEO DETECTION UNITS SHALL BE ITERIS VANTAGE NEXT W/ VANTAGE VECTOR AND SHALL BE PLACED AS PER MANUFACTURER SPECIFICATION. SEE SHEET 27-0012.
- CLOSED-CIRCUIT TELEVISION (CCTV) CAMERA SHALL BE AXIS 06075-E MODEL.
- FOR UNDERGROUND POWER ROUTING, ELECTRICAL WIRE SHALL BE IN SEPARATE GRS CONDUIT.
- POLARA INS23TNO-B / INAVIGATOR 2-WIRE PUSH BUTTON STATION /W PEDESTRIAN SIGN SHALL BE INSTALLED AT THIS INTERSECTION.
- NOTIFY CITY OF AUGUSTA TRAFFIC ENGINEERING FOR LOCATION OF CCTV BEFORE INSTALLATION.
- COORDINATE WITH UTILITY OWNER TO ENSURE A MINIMUM OF 10 FEET RADIAL CLEARANCE EXISTS BETWEEN POWER LINES AND MAST ARMS. THERE SHALL BE NO LINES IN FRONT OF SIGNAL HEADS.
- INSTALL MILIBANK OR EQUIVALENT METER HOOK UP PEDESTAL W/ METER AND POWER DISCONNECT AND COORDINATE WITH THE POWER COMPANY FOR SERVICE POINT LOCATION AND POWER CONNECTION. SEE SHEET 27-0011 FOR SPEC CUT SHEET FOR METER HOOK UP PEDESTAL.
- SEE DRAWING 27-0006A FOR INTERSECTION DETAILS.

SIGNAL LEGEND



DETECTION LEGEND



SCALE IN FEET



REVISION DATES

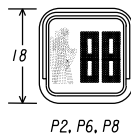
6-9-26		

SIGNAL PLANS

15TH STREET PEDESTRIAN IMPROVEMENTS
INTERSECTION #1
SR 4/15TH STREET @ GOVERNMENT ROAD

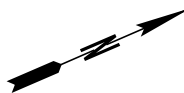
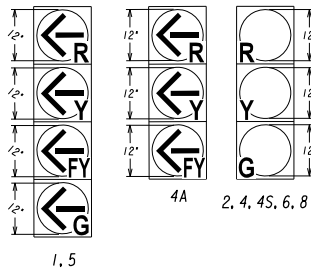
CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	27-0004A
CORRECTED:	DATE:	
VERIFIED:	DATE:	

PEDESTRIAN HEADS



P2, P6, P8

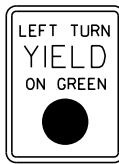
LED SIGNAL HEADS WITH
2" RETRO-REFLECTIVE BORDER ON BACKPLATE



REGULATORY SIGNS



R9-3
18" X 18"
R9-3bPR
18" X 12"



R10-12
24" X 30"



R10-5A
30" X 36"

PEDESTRIAN SIGNS



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



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

OVERHEAD STREET NAME SIGNS

15th St

D3-1 (*1)

← Carver Dr

D3-1 (*2)

Government Rd →

D3-1 (*5)

← Government Rd

D3-1 (*4)

Carver Dr →

D3-1 (*3)

REVI- RELOCATE SW STRAIN POLE
- RETAIN EXISTING PED POLES/PUSHBUTTONS

LIST OF MATERIALS

MATERIALS	UNIT	QUANTITY
CONTROLLER CABINET ASSEMBLIES		
A. CONTROLLER UNIT, TYPE 2070LX	EA	1
D. CABINET ASSEMBLY, MODEL 332 CL4D QUAD	EA	1
F. SWITCH PACK (LOAD SWITCH)	EA	14
G. DC ISOLATOR	EA	3
K. 2018 KCLIP CONFLICT MONITOR, EXTENDED FEATURES	EA	1
L. AUXILIARY LOAD BAY	EA	1
M. UNINTERRUPTABLE POWER SUPPLY	EA	1
ZINC/IVE POWER SUPPLY INTERNALLY MOUNTED		
N. POLARA ICCU-S2 CENTRAL CONTROL UNIT (SHELF MOUNT)		
W/ HARNESS, INTERCONNECT BOARD, AND SDLC CABLE (1 PER INTERSECTION)	EA	1
O. POLARA CCU-BRKT MOUNT	EA	1
PREFABRICATED CABINET BASE FOR A 332 CL4D QUAD CABINET W/ WORK PADS	EA	1
PED LEAD-IN WIRE (SHIELDED, TWISTED/1000 FT), 3 PAIR, 18 AWG	REEL	3
SIGNAL CABLE (14 AWG), 7 CONDUCTOR, PER 1000 FT.	REEL	3
3-SECTION, ONE-WAY, 12" EXPANDED VIEW SIGNAL HEAD, LED "INCANDESCENT LOOK", POLYCARBONATE, BLACK FACE, BLACK BODY (STANDARD CONFIGURATION- RED, YELLOW, GREEN)	EA	9
3-SECTION, ONE-WAY, 12" EXPANDED VIEW SIGNAL HEAD, LED "INCANDESCENT LOOK", POLYCARBONATE, BLACK FACE, BLACK BODY (RED ARROW, YELLOW ARROW, FLASHING YELLOW ARROW)	EA	3
BACKPLATE FOR ONE-WAY, 3-SECTION SIGNAL HEAD, BLACK, PLASTIC W/2" RETROREFLECTOVE STRIP	EA	12
HARDWARE FOR MAST ARM MOUNTING, BLACK	EA	12
MILTBANK OR EQUIVALENT METER HOOKUP PEDESTAL & BASE	EA	1
RIGID RISER, 1"	LF	30
R10-5A SIGN (LEFT TURN YIELD ON GREEN ARROW ONLY)	EA	3
R10-12 SIGN (LEFT TURN YIELD ON GREEN BALL)	EA	1
MISCELLANEOUS MATERIALS NEEDED TO COMPLETE INSTALLATION	LUMP	LUMP

LIST OF MATERIALS IS "FOR INFORMATION ONLY"
AND SHOULD BE VERIFIED BY THE CONTRACTOR.

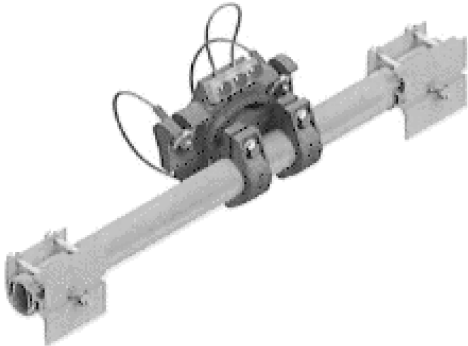
PAY ITEMS

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
636-1045	HIGHWAY SIGNS, TP 2 MATL, REFL SHEETING, TP 11	SF	66
639-3004	STRAIN POLE, TP IV, W/ 45' MAST ARM	EA	1
639-3004	STRAIN POLE, TP IV, W/ 50' MAST ARM	EA	1
639-3004	STRAIN POLE, TP IV, W/ 55' MAST ARM	EA	2
647-1000	TRAFFIC SIGNAL INSTALLATION NO. 2	LUMP	LUMP
682-2120	PULLBOX, TP 2	EA	3
682-2130	PULLBOX, TP 3	EA	4
682-2150	PULLBOX, TP 5	EA	1
682-6219	CONDUIT, NONMETAL, TP 2, 1"	LF	160
682-6222	CONDUIT, NONMETAL, TP 2, 2"	LF	345
682-6233	CONDUIT, NONMETAL, TP 3, 2"	LF	840
682-6110	CONDUIT, RIGID, 1"	LF	65
682-9950	7" DIRECTIONAL BORE	LF	280
926-2104	WIRELESS SYSTEM, TYPE 4	EA	1
936-4000	CCTV CAMERA SYSTEM, TYPE 1	EA	1
936-4901	CCTV MOUNTING ARM, TYPE 1	EA	1
937-6040	VIDEO DETECTION SYSTEM (ITERIS VANTAGE NEXT w/ VANTAGE VECTOR)	LUMP	LUMP
647-6057	PEDESTAL POLE, BLACK	EA	5

GENERAL NOTES

- EACH SIGN SHALL CONTAIN A MINIMUM OF (2) HANGERS OR BRACKETS.
- SIGN LEGEND SHALL BE 8-IN. UPPER CASE & LOWER CASE SERIES "D" LETTERS. ALL ARROWS SHALL BE 8-IN. TALL & 12-IN. LONG.
- EACH SIGN SHALL CONTAIN 1 1/2-IN. RADIUS & 1-IN. BORDER.
- EACH SIGN SHALL BE MADE OF ONE CONTINUOUS PIECE OF ALUMINUM.
- SIGNS SHALL HAVE STANDARD REFLECTORIZED INTERSTATE GREEN BACKGROUND WITH WHITE REFLECTORIZED LEGENDS, BORDERS AND ARROWS.
- MATERIAL SHALL BE 3M REFLECTIVE DIAMOND GRADE VIP 3990, OR EQUIVALENT TYPE 1X MATERIAL OR BETTER.
- LOGO SHALL BE IN FULL COLOR WITH A DIAMETER OF 15".
- FOR SIGNS THAT ARE 72-IN. OR GREATER THEY SHALL CONTAIN A MINIMUM OF THREE (3) HANGERS OR BRACKETS.
- THE CONTRACTOR SHALL CONTACT CITY OF AUGUSTA DEPARTMENT OF TRANSPORTATION'S SIGN SHOP FOR AN ELECTRONIC FILE OF THE LOGO.

MAST ARM SIGN BRACKET



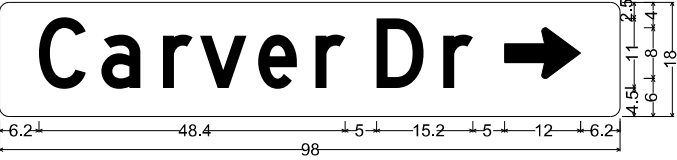
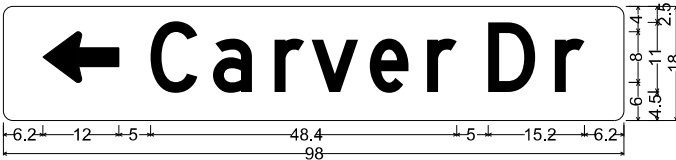
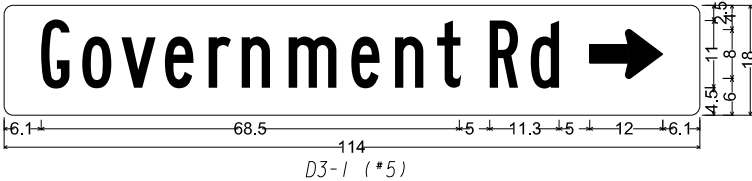
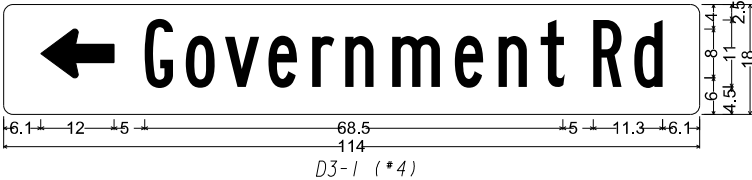
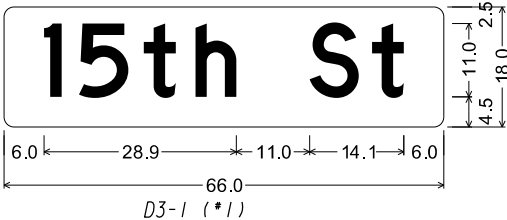
332 CABINET INPUT ASSIGNMENT

SLOT	1	2	3	4	5	6	7	8	9	10	11	12	13	14
UPPER INPUT FILE														
	1	2	2	2	3				4					
	TYPE	DET	DET	DET	DET	DET	DET	DET	DET	TBA	TBA	DC	DC	DC
	CARD	VIDEO	VIDEO				VIDEO					DC 150	DC 150	DC 150
CHANNEL 1	C1 PIN	56	39	63	47	58	41	65	49	60	80	67	68	81
	FUNCTION	V1	V2A				V4A				ADVANCE	Ø 2 PED	Ø 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		N/C
CHANNEL 2	C1 PIN	56	43	76	47	58	45	78	49	62	53	69	70	82
	FUNCTION		V2B				V4B				ENABLE		Ø 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		TB8 5, 6	TB8 8, 9	N/C
LOWER INPUT FILE														
	5	6	6	6	7									
	TYPE	DET	DET	DET	DET	DET	DET	DET	DET	TBA	TBA	DC	DC	DC
	CARD	VIDEO	VIDEO				VIDEO							
CHANNEL 1	C1 PIN	55	40	64	48	57	42	66	50	59		54	71	72
	FUNCTION	V5	V6A				V8						EVA	EVB
	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
CHANNEL 2	C1 PIN	55	44	77	48	57	46	79	50	61		75	73	74
	FUNCTION		V6B									SPARE 3	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

NOTE: THE CONTRACTOR SHALL COORDINATE WITH THE MANUFACTURER FOR CORRECT INSTALLATION.

DETAILS OF OVERHEAD STREET NAME SIGNS

ALL DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED.



REVISION DATES

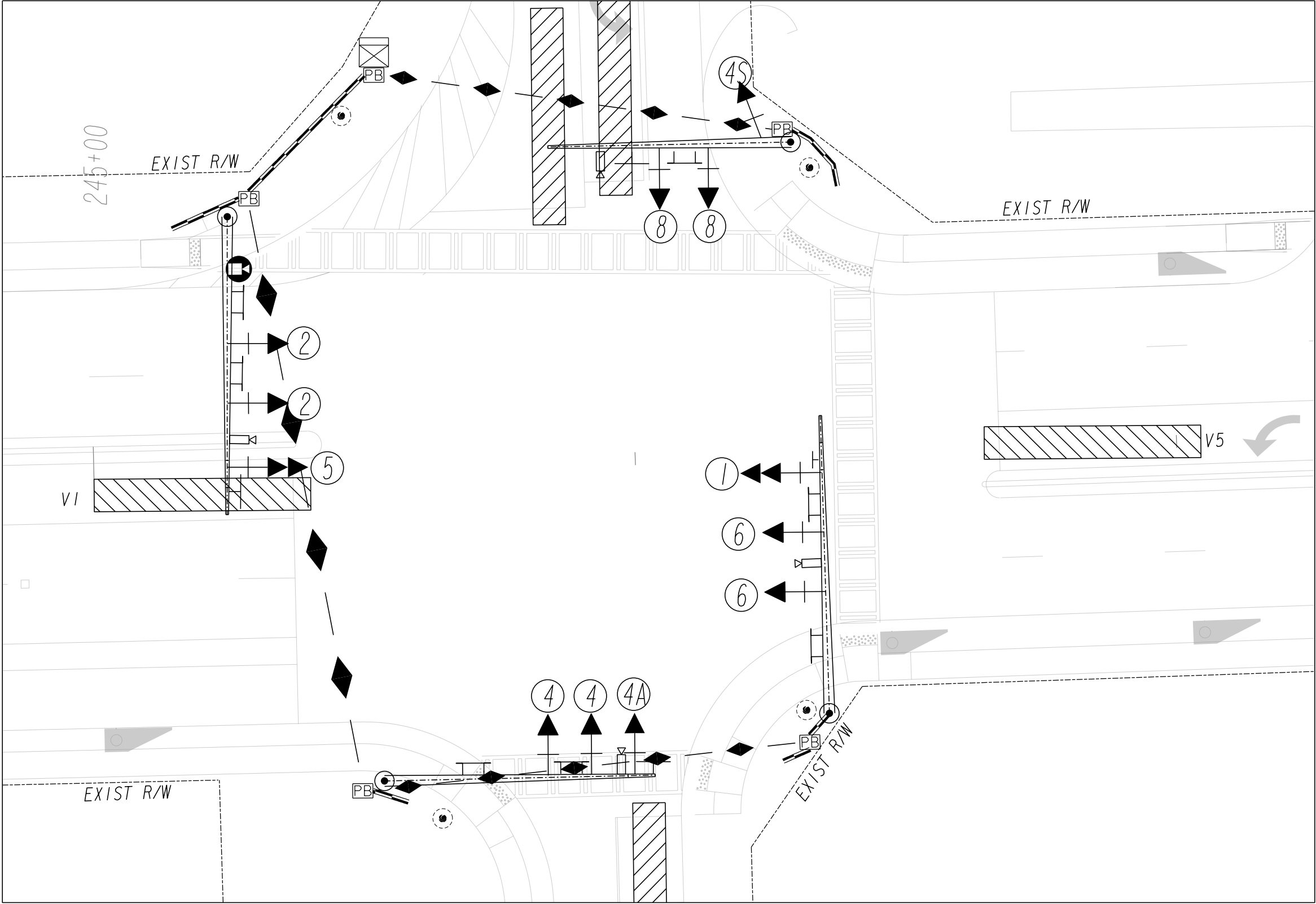
6-9-26		

SIGNAL PLANS

15TH STREET PEDESTRIAN IMPROVEMENTS
INTERSECTION #1
SR 4/15TH STREET @ GOVERNMENT ROAD

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

27-0005A



INTERSECTION DETAIL

SIGNAL LEGEND

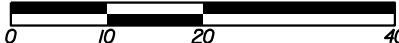
- PROPOSED SIGNAL HEAD
- EXISTING SIGNAL HEAD
- RELOCATED SIGNAL HEAD
- PROPOSED 4-SECTION SIGNAL HEAD
- PROPOSED 5-SECTION OR 4-SECTION SIGNAL HEAD
- PEDESTRIAN SIGNAL HEAD

DETECTION LEGEND

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

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SCALE IN FEET



REVISION DATES

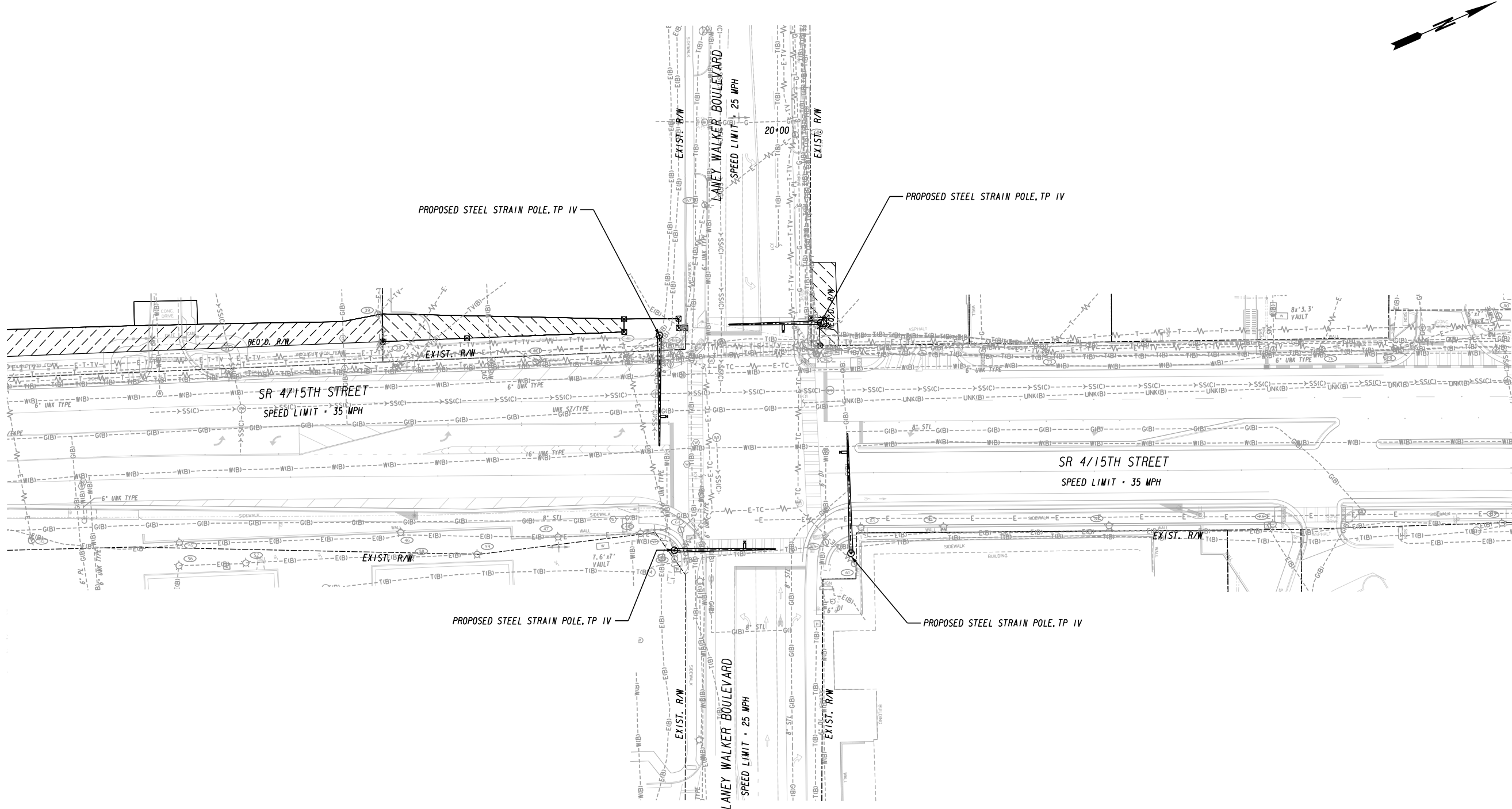
6-9-26		

SIGNAL PLANS

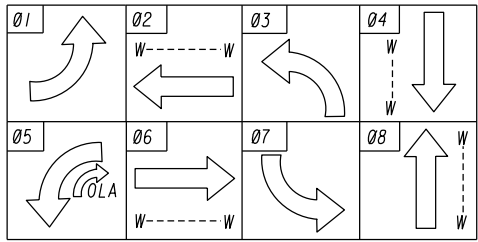
15TH STREET PEDESTRIAN IMPROVEMENTS
INTERSECTION *1
SR 4/15TH STREET @ GOVERNMENT ROAD

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

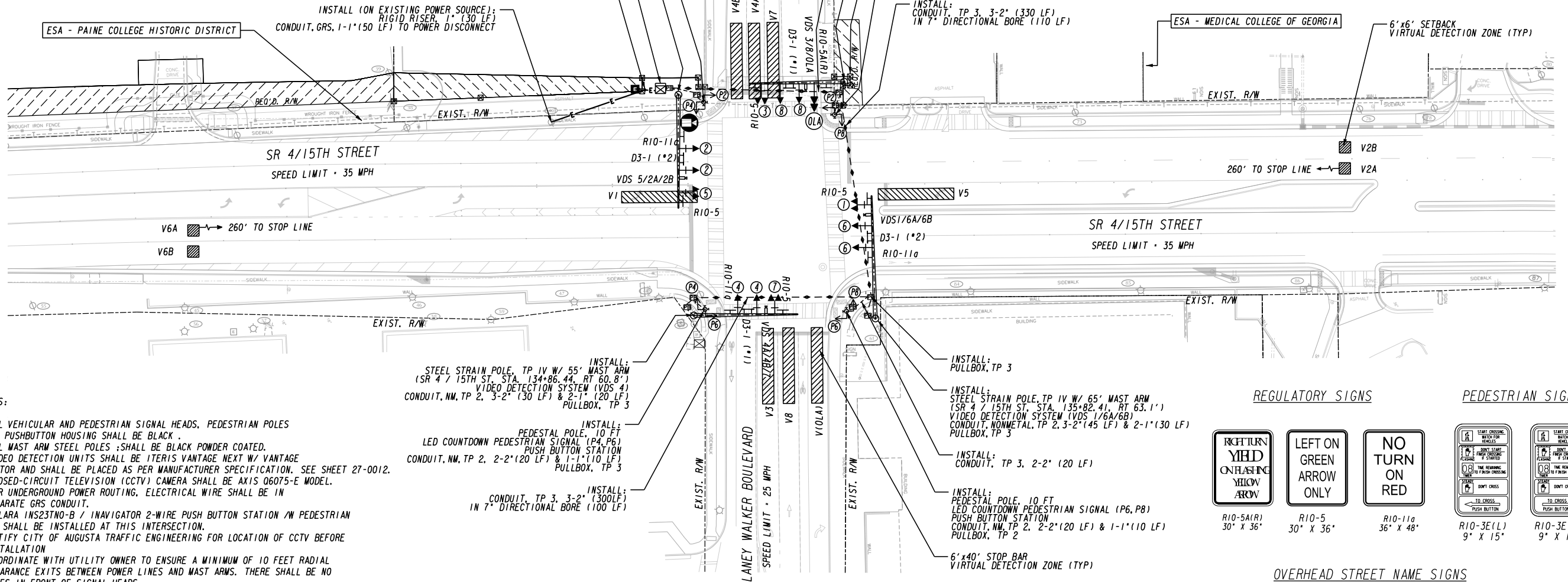
27-0006A



PHASING DIAGRAM



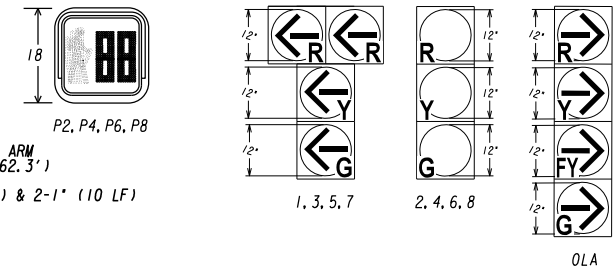
OLA = 05 + 08



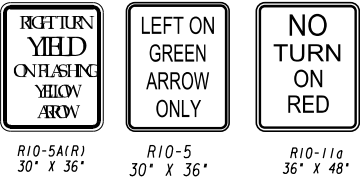
NOTES:

1. ALL VEHICULAR AND PEDESTRIAN SIGNAL HEADS, PEDESTRIAN POLES AND PUSHBUTTON HOUSING SHALL BE BLACK.
2. ALL MAST ARM STEEL POLES SHALL BE BLACK POWDER COATED.
3. VIDEO DETECTION UNITS SHALL BE ITERIS VANTAGE NEXT W/ VANTAGE VECTOR AND SHALL BE PLACED AS PER MANUFACTURER SPECIFICATION. SEE SHEET 27-0012.
4. CLOSED-CIRCUIT TELEVISION (CCTV) CAMERA SHALL BE AXIS 06075-E MODEL.
5. FOR UNDERGROUND POWER ROUTING, ELECTRICAL WIRE SHALL BE IN SEPARATE GRS CONDUIT.
6. POLARA INS23TNO-B / NAVIGATOR 2-WIRE PUSH BUTTON STATION W/ PEDESTRIAN SIGN SHALL BE INSTALLED AT THIS INTERSECTION.
7. NOTIFY CITY OF AUGUSTA TRAFFIC ENGINEERING FOR LOCATION OF CCTV BEFORE INSTALLATION.
8. COORDINATE WITH UTILITY OWNER TO ENSURE A MINIMUM OF 10 FEET RADIAL CLEARANCE EXISTS BETWEEN POWER LINES AND MAST ARMS. THERE SHALL BE NO LINES IN FRONT OF SIGNAL HEADS.
9. INSTALL MILIBANK OR EQUIVALENT METER HOOK UP PEDESTAL W/ METER AND POWER DISCONNECT AND COORDINATE WITH THE POWER COMPANY FOR SERVICE POINT LOCATION AND POWER CONNECTION. SEE SHEET 27-0015 FOR SPEC CUT SHEET FOR METER HOOK UP PEDESTAL.
10. SEE DRAWING 27-0006 FOR INTERSECTION DETAILS.

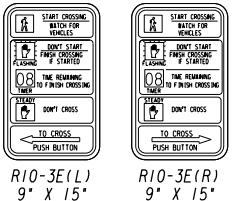
LED SIGNAL HEADS WITH
2" RETRO-REFLECTIVE BORDER ON BACKPLATE



REGULATORY SIGNS



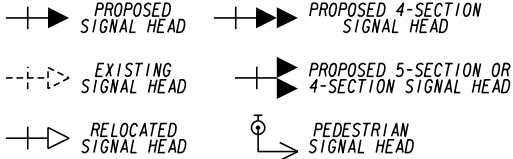
PEDESTRIAN SIGNS



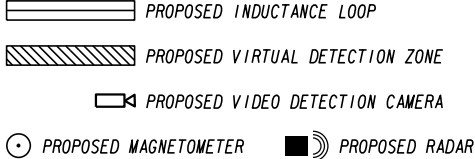
OVERHEAD STREET NAME SIGNS



SIGNAL LEGEND



DETECTION LEGEND



REVISION DATES

6-9-26		

SIGNAL PLANS

15TH STREET PEDESTRIAN IMPROVEMENTS
INTERSECTION #2
SR 4/15TH STREET @ LANEY WALKER BLVD

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

27-0008A

LIST OF MATERIALS

MATERIALS	UNIT	QUANTITY
CONTROLLER CABINET ASSEMBLIES		
A. CONTROLLER UNIT, TYPE 2070LX	EA	1
D. CABINET ASSEMBLY, MODEL 332 CL4D QUAD	EA	1
F. SWITCH PACK (LOAD SWITCH)	EA	14
G. DC ISOLATOR	EA	3
K. 2018 KCLIP CONFLICT MONITOR, EXTENDED FEATURES	EA	1
L. AUXILIARY LOAD RAY	EA	1
M. UNINTERRUPTABLE POWER SUPPLY	EA	1
ZINCIFY POWER SUPPLY INTERNALLY MOUNTED		
N. POLARA ICCU-S2 CENTRAL CONTROL UNIT (SHELF MOUNT)	EA	1
W/ HARNESS, INTERCONNECT BOARD, AND SDLC CABLE (1 PER INTERSECTION)		
O. POLARA CCU-BRKT MOUNT	EA	1
PREFABRICATED CABINET BASE FOR A 332 CL4D QUAD CABINET W/ WORK PADS	EA	1
PED LEAD-IN WIRE (SHIELDED, TWISTED/1000 FT), 3 PAIR, 18 AWG	REEL	3
SIGNAL CABLE (14 AWG), 7 CONDUCTOR, PER 1000 FT.	REEL	3
3-SECTION, ONE-WAY, 12" EXPANDED VIEW SIGNAL HEAD, LED "INCANDESCENT LOOK", POLYCARBONATE, BLACK FACE, BLACK BODY (STANDARD CONFIGURATION- RED, YELLOW, GREEN)	EA	8
4-SECTION, ONE-WAY, 12" EXPANDED VIEW SIGNAL HEAD "T-SHAPE" LED "INCANDESCENT LOOK", POLYCARBONATE, BLACK FACE, BLACK BODY (TWO RED ARROWS, YELLOW ARROW, GREEN ARROW)	EA	4
4-SECTION, ONE-WAY, 12" EXPANDED VIEW SIGNAL HEAD, LED "INCANDESCENT LOOK", POLYCARBONATE, BLACK FACE, BLACK BODY (RED ARROW, YELLOW ARROW, FLASHING YELLOW ARROW, GREEN ARROW)	EA	1
BACKPLATE FOR ONE-WAY, 3-SECTION SIGNAL HEAD, BLACK, PLASTIC W/2" RETROREFLECTOVE STRIP	EA	8
BACKPLATE FOR ONE-WAY, 4-SECTION "T-SHAPED" SIGNAL HEAD, BLACK, PLASTIC W/2" RETROREFLECTOVE STRIP	EA	4
BACKPLATE FOR ONE-WAY, 4-SECTION SIGNAL HEAD, BLACK, PLASTIC W/2" RETROREFLECTOVE STRIP	EA	1
HARDWARE FOR MAST ARM MOUNTING, BLACK	EA	13
1- SECTION, 16" x 18" LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, BLACK HOUSING, FULL HAND/WAN OVERLAP (9" HIGH NUMBERS & 12" SYMBOLS)	EA	8
POLARA INS23TNO-B / NAVIGATOR 2-WIRE APS PUSH BUTTON STATION /W PEDESTRIAN SIGN, 9"x15", BLACK	EA	8
POLARA INSPA4X2-B, ADAPTER TO MOUNT (2) INAV ON THE SAME 4.5" POLE	EA	4
HARDWARE FOR PEDESTAL POLE, TOP POST MOUNT, TWO-WAY BRACKET ASSEMBLY, BLACK	EA	4
MILIBANK OR EQUIVALENT METER HOOKUP PEDESTAL & BASE	EA	1
RIGID RISER, 1"	LF	30
R10-5A(R) SIGN (RIGHT TURN YIELD ON FLASHING YELLOW ARROW)	EA	1
R10-5 SIGN (LEFT TURN YIELD ON GREEN ARROW ONLY)	EA	4
R10-11A SIGN (NO RIGHT TURN ON RED)	EA	3
MISCELLANEOUS MATERIALS NEEDED TO COMPLETE INSTALLATION	LUMP	LUMP

LIST OF MATERIALS IS "FOR INFORMATION ONLY" AND SHOULD BE VERIFIED BY THE CONTRACTOR.

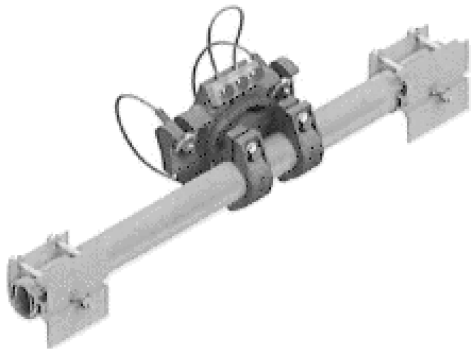
PAY ITEMS

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
636-1045	HIGHWAY SIGNS, TP 2 MATL, REFL SHEETING, TP 11	SF	47
639-3004	STRAIN POLE, TP IV, W/ 50" MAST ARM	EA	1
639-3004	STRAIN POLE, TP IV, W/ 55" MAST ARM	EA	1
639-3004	STRAIN POLE, TP IV, W/ 60" MAST ARM	EA	1
639-3004	STRAIN POLE, TP IV, W/ 65" MAST ARM	EA	1
647-1000	TRAFFIC SIGNAL INSTALLATION NO. 2	LUMP	LUMP
682-2120	PULLBOX, TP 2	EA	3
682-2130	PULLBOX, TP 3	EA	6
682-2150	PULLBOX, TP 5	EA	1
682-6219	CONDUIT, NONMETAL, TP 2, 1"	LF	160
682-6222	CONDUIT, NONMETAL, TP 2, 2"	LF	305
682-6233	CONDUIT, NONMETAL, TP 3, 2"	LF	890
682-6110	CONDUIT, RIGID, 1"	LF	115
682-9950	7" DIRECTIONAL BORE	LF	290
936-4000	CCTV CAMERA SYSTEM TYPE 1	EA	1
936-4901	CCTV MOUNTING ARM TYPE 1	EA	1
937-6040	VIDEO DETECTION SYSTEM (ITERIS VANTAGE NEXT w/ VANTAGE VECTOR)	LUMP	LUMP
647-6057	PEDESTAL POLE, BLACK	EA	4

GENERAL NOTES

- EACH SIGN SHALL CONTAIN A MINIMUM OF (2) HANGERS OR BRACKETS.
- SIGN LEGEND SHALL BE 8-IN. UPPER CASE & LOWER CASE SERIES "D" LETTERS. ALL ARROWS SHALL BE 8-IN. TALL & 12-IN. LONG.
- EACH SIGN SHALL CONTAIN 1 1/2-IN. RADIUS & 1-IN. BORDER.
- EACH SIGN SHALL BE MADE OF ONE CONTINUOUS PIECE OF ALUMINUM.
- SIGNS SHALL HAVE STANDARD REFLECTORIZED INTERSTATE GREEN BACKGROUND WITH WHITE REFLECTORIZED LEGENDS, BORDERS AND ARROWS.
- MATERIAL SHALL BE 3M REFLECTIVE DIAMOND GRADE VIP 3990, OR EQUIVALENT TYPE 1X MATERIAL OR BETTER.
- LOGO SHALL BE IN FULL COLOR WITH A DIAMETER OF 15".
- FOR SIGNS THAT ARE 72-IN. OR GREATER THEY SHALL CONTAIN A MINIMUM OF THREE (3) HANGERS OR BRACKETS.
- THE CONTRACTOR SHALL CONTACT CITY OF AUGUSTA DEPARTMENT OF TRANSPORTATION'S SIGN SHOP FOR AN ELECTRONIC FILE OF THE LOGO.

MAST ARM SIGN BRACKET



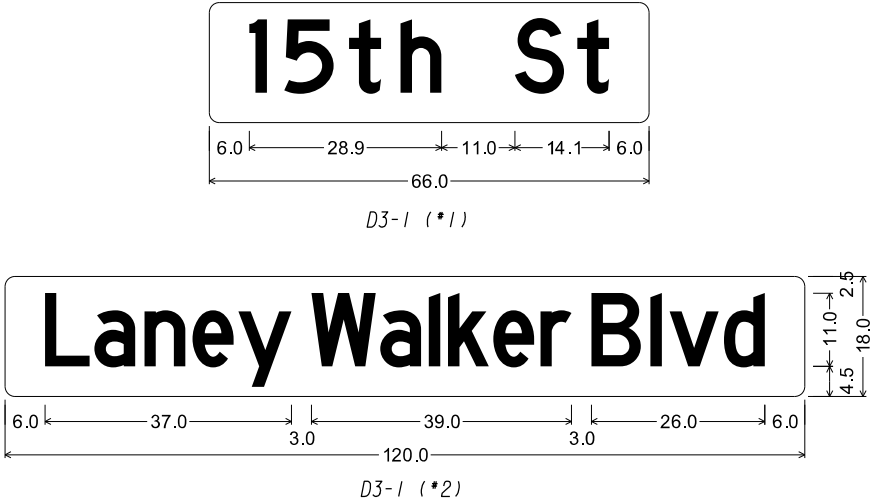
332 CABINET INPUT ASSIGNMENT

SLOT	1	2	3	4	5	6	7	8	9	10	11	12	13	14
UPPER INPUT FILE														
	1	2	2	2	3	4								
	TYPE	DET	DET	DET	DET	DET	DET	DET	DET	TBA	TBA	DC	DC	DC
	CARD	VIDEO	VIDEO			VIDEO	VIDEO					DC 150	DC 150	DC 150
CHANNEL 1	C1 PIN	56	39	63	47	58	41	65	49	60	80	67	68	81
	FUNCTION	V1	V2A			V3	V4A				ADVANCE	Ø 2 PED	Ø 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
LOWER INPUT FILE														
	5	6	6	6	7	8	8	8						
	TYPE	DET	DET	DET	DET	DET	DET	DET	DET	TBA	TBA	DC	DC	DC
	CARD	VIDEO	VIDEO			VIDEO	VIDEO							
CHANNEL 1	C1 PIN	55	40	64	48	57	42	66	50	59	54	71	72	51
	FUNCTION	V5	V6A			V7	V8					EVA	EVB	RR 1
	FIELD TERM	TB3 1, 2	TB3 5, 6	TB3 9, 10	TB5 1, 2	TB5 5, 6	TB5 9, 10	TB7 1, 2	TB7 5, 6	TB7 9, 10		TB9 4, 6	TB9 7, 9	TB9 10, 12
CHANNEL 2	C1 PIN	55	44	77	48	57	46	79	50	61	75	73	74	52
	FUNCTION		V6B				VIOLA1				SPARE 3	EVC	EVD	RR 2
	FIELD TERM	TB3 3, 4	TB3 7, 8	TB3 11, 12	TB5 3, 4	TB5 7, 8	TB5 11, 12	TB7 3, 4	TB7 7, 8	TB7 11, 12		TB9 5, 6	TB9 8, 9	TB9 11, 12

NOTE: THE CONTRACTOR SHALL COORDINATE WITH THE MANUFACTURER FOR CORRECT INSTALLATION.

DETAILS OF OVERHEAD STREET NAME SIGNS

ALL DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED.



REVISION DATES

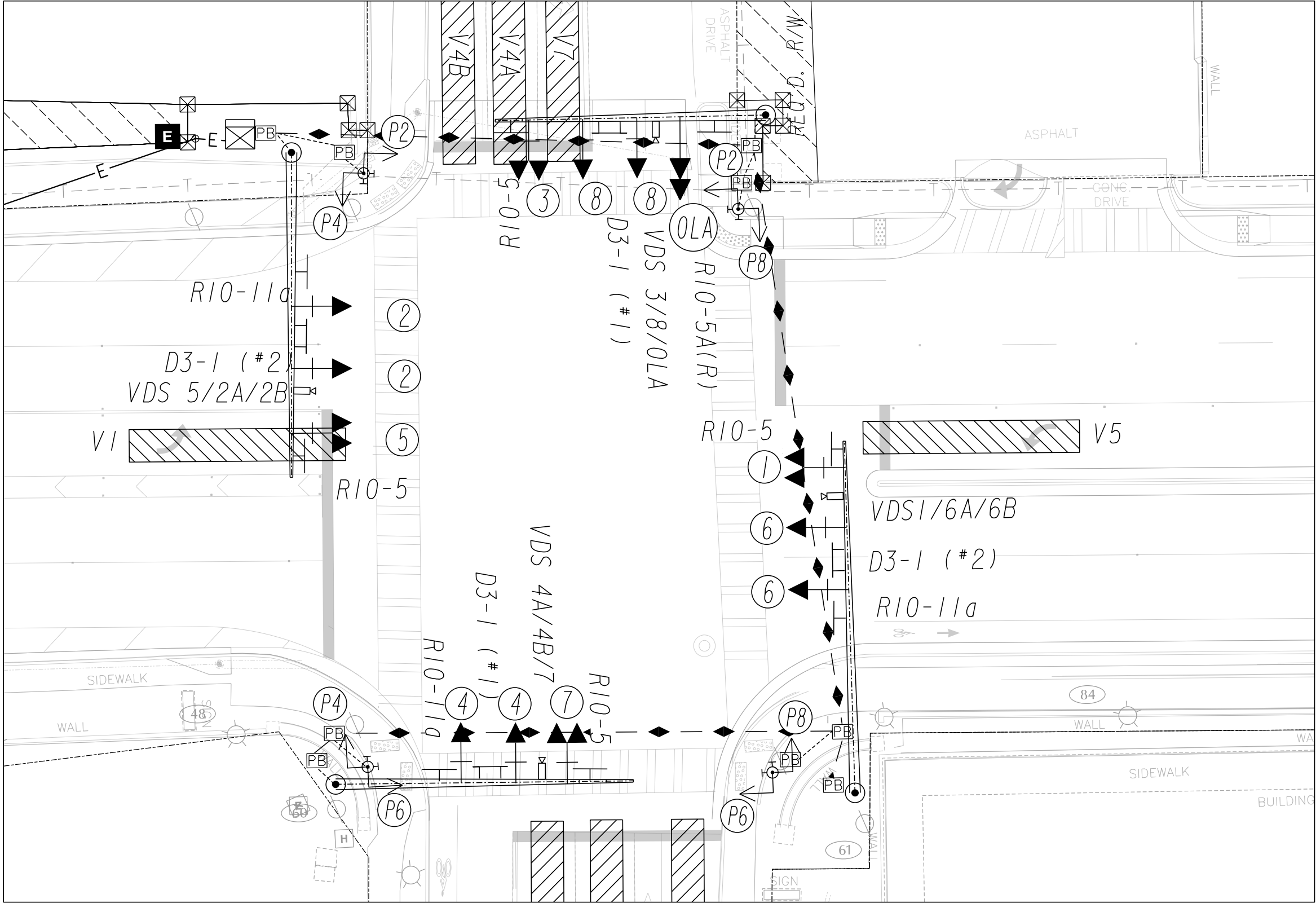
6-9-26

SIGNAL PLANS

15TH STREET PEDESTRIAN IMPROVEMENTS
INTERSECTION #2
SR 4/15TH STREET @ LANEY WALKER BLVD

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

27-0009A



INTERSECTION DETAIL

SIGNAL LEGEND

- PROPOSED
SIGNAL HEAD
-
- EXISTING
-
- SIGNAL HEAD

RELOCATED
SIGNAL HEADPROPOSED 4-SECTION
SIGNAL HEADPROPOSED 5-SECTION OR
4-SECTION SIGNAL HEADPEDESTRIAN
SIGNAL HEAD

DETECTION LEGEND

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

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SCALE IN FEET



REVISION DATES

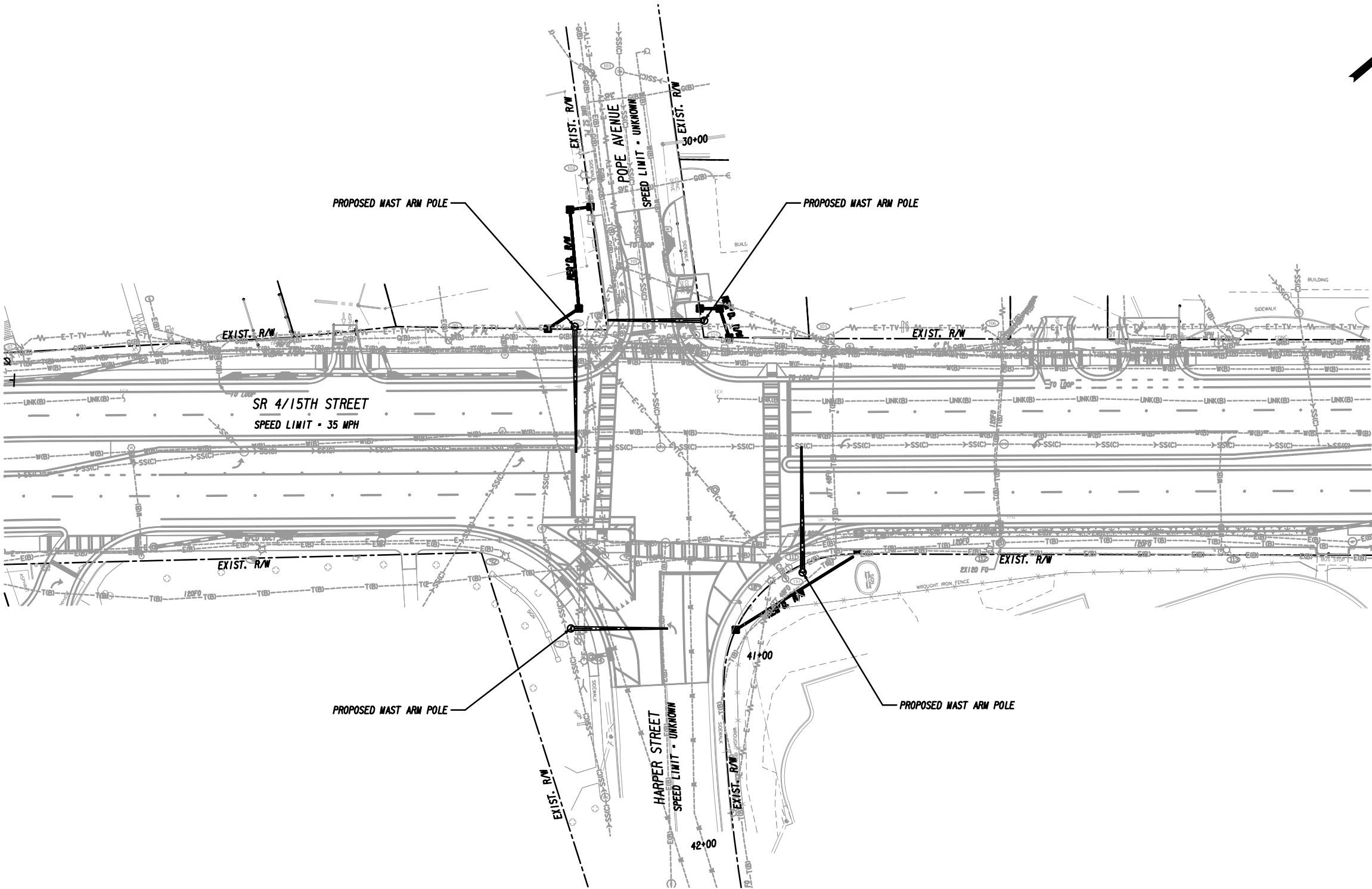
6-9-26		

SIGNAL PLANS

15TH STREET PEDESTRIAN IMPROVEMENTS
INTERSECTION #2
SR 4/15TH STREET @ LANEY WALKER BLVD

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12/23/2025
GPM

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SCALE IN FEET

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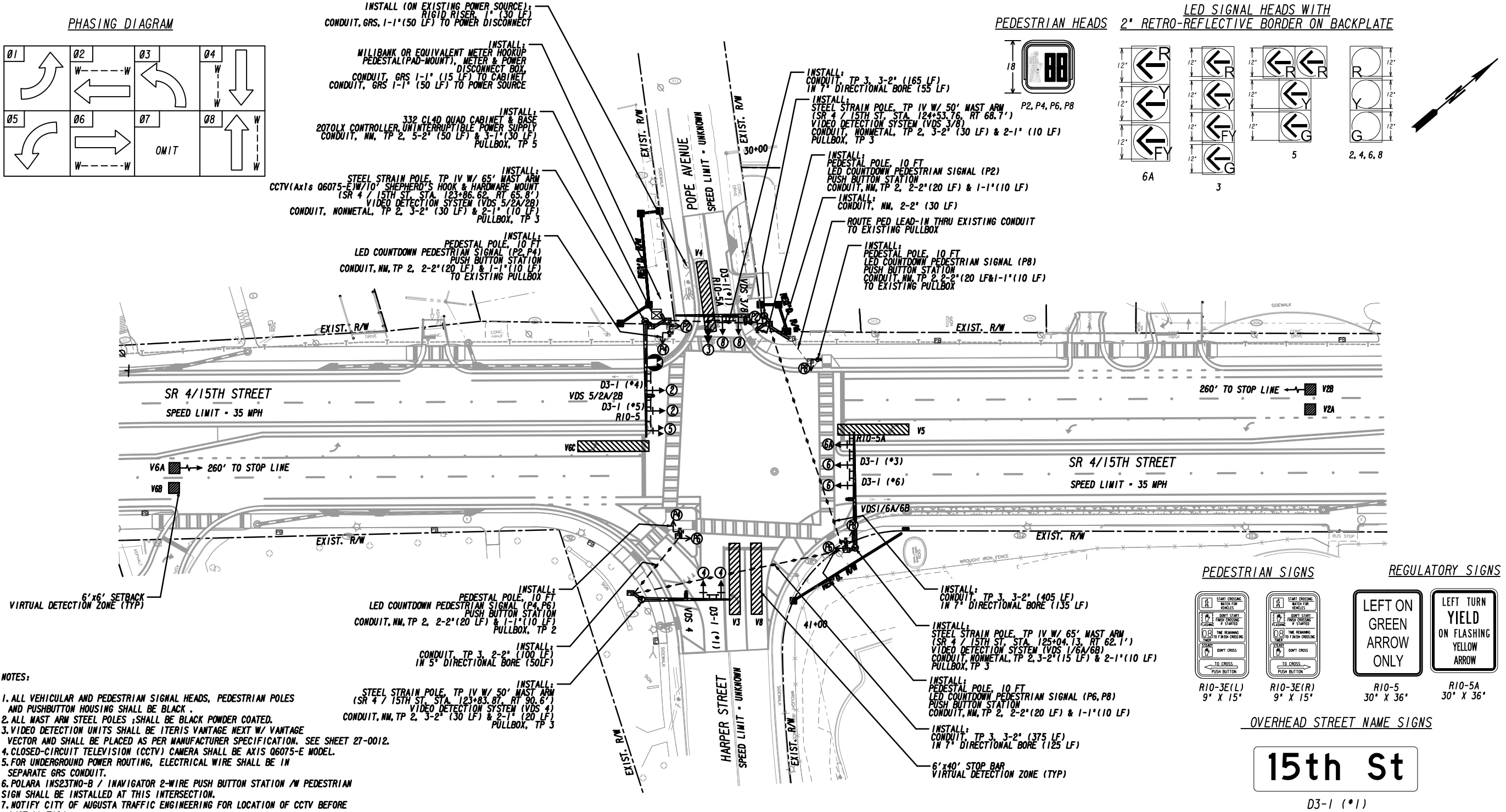
REVISION DATES	

SIGNAL PLANS

EXISTING CONDITIONS & PROPOSED STRUCTURES

SR4/15TH STREET@POPE AVENUE/HARPER ST

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



SIGNAL LEGEND

PROPOSED SIGNAL HEAD

EXISTING SIGNAL HEAD

RELOCATED SIGNAL HEAD

PROPOSED 4-SECTION SIGNAL HEAD

PROPOSED 5-SECTION OR 4-SECTION SIGNAL HEAD

PEDESTRIAN SIGNAL HEAD

DETECTION LEGEND

PROPOSED INDUCTANCE LOOP

PROPOSED VIRTUAL DETECTION ZONE

PROPOSED VIDEO DETECTION CAMERA

PROPOSED MAGNETOMETER

PROPOSED RADAR

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0 30 60 120

REVISION DATES

SIGNAL PLANS

15TH STREET PEDESTRIAN IMPROVEMENTS
INTERSECTION#3
SR4/15TH STREET@POPE AVENUE/HARPER ST

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

27-0004B

LIST OF MATERIALS

MATERIALS	UNIT	QUANTITY
CONTROLLER CABINET ASSEMBLIES		
A. CONTROLLER UNIT, TYPE 2070LX	EA	1
D. CABINET ASSEMBLY, MODEL 332 CL4D QUAD	EA	1
F. SWITCH PACK (LOAD SWITCH)	EA	14
G. DC ISOLATOR	EA	3
K. 2018 KCLIP CONFLICT MONITOR, EXTENDED FEATURES	EA	1
L. AUXILIARY LOAD BAY	EA	1
M. UNINTERRUPTABLE POWER SUPPLY ZINC/FIVE POWER SUPPLY INTERNALLY MOUNTED	EA	1
N. POLARA ICCU-S2 CENTRAL CONTROL UNIT (SHELF MOUNT) W/ HARNESS, INTERCONNECT BOARD, AND SDLC CABLE (1 PER INTERSECTION)	EA	1
O. POLARA CCU-BRKT MOUNT	EA	1
PREFABRICATED CABINET BASE FOR A 332 CL4D QUAD CABINET W/ WORK PADS	EA	1
PED LEAD-IN WIRE (SHIELDED, TWISTED/1000 FT), 3 PAIR, 18 AWG	REEL	2
SIGNAL CABLE (14 AWG), 7 CONDUCTOR, PER 1000 FT.	REEL	3
3-SECTION, ONE-WAY, 12" EXPANDED VIEW SIGNAL HEAD, LED "INCANDESCENT LOOK", POLYCARBONATE, BLACK FACE, BLACK BODY (STANDARD CONFIGURATION- RED, YELLOW, GREEN)	EA	9
4-SECTION, ONE-WAY, 12" EXPANDED VIEW SIGNAL HEAD "T-SHAPE" LED "INCANDESCENT LOOK", POLYCARBONATE, BLACK FACE, BLACK BODY (TWO RED ARROWS, YELLOW ARROW, GREEN ARROW)	EA	1
4-SECTION, ONE-WAY, 12" EXPANDED VIEW SIGNAL HEAD, LED "INCANDESCENT LOOK", POLYCARBONATE, BLACK FACE, BLACK BODY (RED ARROW, YELLOW ARROW, FLASHING YELLOW ARROW, GREEN ARROW)	EA	1
BACKPLATE FOR ONE-WAY, 3-SECTION SIGNAL HEAD, BLACK, PLASTIC W/2" RETROREFLECTOVE STRIP	EA	9
BACKPLATE FOR ONE-WAY, 4-SECTION "T-SHAPED" SIGNAL HEAD, BLACK, PLASTIC W/2" RETROREFLECTOVE STRIP	EA	1
BACKPLATE FOR ONE-WAY, 4-SECTION SIGNAL HEAD, BLACK, PLASTIC W/2" RETROREFLECTOVE STRIP	EA	1
HARDWARE FOR MAST ARM MOUNTING, BLACK	EA	11
1- SECTION, 16"x 18" LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, BLACK HOUSING, FULL HAND/MAN OVERLAP (9" HIGH NUMBERS & 12" SYMBOLS)	EA	8
POLARA INSP21NO-B / NAVIGATOR 2-WIRE APS PUSH BUTTON STATION W/ PEDESTRIAN SIGN, 9"x15", BLACK	EA	8
POLARA INSPA4X2-B, ADAPTER TO MOUNT (2) INAV ON THE SAME 4.5" POLE	EA	3
HARDWARE FOR PEDESTAL POLE, TOP POST MOUNT, ONE-WAY BRACKET ASSEMBLY, BLACK	EA	2
HARDWARE FOR PEDESTAL POLE, TOP POST MOUNT, TWO-WAY BRACKET ASSEMBLY, BLACK	EA	3
MILIBANK OR EQUIVALENT METER HOOKUP PEDESTAL & BASE	EA	1
RIGID RISER, 1"	LF	30
R10-5A SIGN (LEFT TURN YIELD ON FLASHING YELLOW ARROW)	EA	2
R10-5 SIGN (LEFT TURN YIELD ON GREEN ARROW ONLY)	EA	1
MISCELLANEOUS MATERIALS NEEDED TO COMPLETE INSTALLATION	LUMP	LUMP

LIST OF MATERIALS IS "FOR INFORMATION ONLY"
AND SHOULD BE VERIFIED BY THE CONTRACTOR.

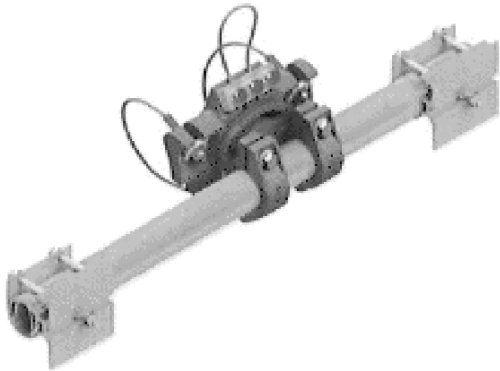
PAY ITEMS

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
636-1045	HIGHWAY SIGNS, TP 2 MATL, REFL SHEETING, TP 11	SF	68
639-3004	STRAIN POLE, TP IV, W/ 50' MAST ARM	EA	2
639-3004	STRAIN POLE, TP IV, W/ 65' MAST ARM	EA	1
639-3004	STRAIN POLE, TP IV, W/ 65' MAST ARM	EA	1
647-1000	TRAFFIC SIGNAL INSTALLATION NO. 1	LUMP	LUMP
682-2120	PULLBOX, TP 2	EA	1
682-2130	PULLBOX, TP 3	EA	4
682-2150	PULLBOX, TP 5	EA	1
682-6219	CONDUIT, NONMETAL, TP 2, 1"	LF	130
682-6222	CONDUIT, NONMETAL, TP 2, 2"	LF	285
682-6233	CONDUIT, NONMETAL, TP 3, 2"	LF	1045
682-6233	CONDUIT, RIGID, 1"	LF	115
682-9950	5" DIRECTIONAL BORE	LF	50
682-9950	7" DIRECTIONAL BORE	LF	315
936-4000	CCTV CAMERA SYSTEM, TYPE 1	EA	1
936-4901	CCTV MOUNTING ARM, TYPE 1	EA	1
937-6040	VIDEO DETECTION SYSTEM (ITERIS VANTAGE NEXT w/ VANTAGE VECTOR)	LUMP	LUMP
647-6057	PEDESTAL POLE, BLACK	EA	5

GENERAL NOTES

- EACH SIGN SHALL CONTAIN A MINIMUM OF (2) HANGERS OR BRACKETS.
- SIGN LEGEND SHALL BE 8-IN. UPPER CASE & LOWER CASE SERIES "D" LETTERS. ALL ARROWS SHALL BE 8-IN. TALL & 12-IN. LONG.
- EACH SIGN SHALL CONTAIN 1 1/2-IN. RADI1 & 1-IN. BORDER.
- EACH SIGN SHALL BE MADE OF ONE CONTINUOUS PIECE OF ALUMINUM.
- SIGNS SHALL HAVE STANDARD REFLECTORIZED INTERSTATE GREEN BACKGROUND WITH WHITE REFLECTORIZED LEGENDS, BORDERS AND ARROWS.
- MATERIAL SHALL BE 3M REFLECTIVE DIAMOND GRADE VIP 3990, OR EQUIVALENT TYPE 1X MATERIAL OR BETTER.
- LOGO SHALL BE IN FULL COLOR WITH A DIAMETER OF 15".
- FOR SIGNS THAT ARE 72-IN. OR GREATER THEY SHALL CONTAIN A MINIMUM OF THREE (3) HANGERS OR BRACKETS.
- THE CONTRACTOR SHALL CONTACT CITY OF AUGUSTA DEPARTMENT OF TRANSPORTATION'S SIGN SHOP FOR AN ELECTRONIC FILE OF THE LOGO.

MAST ARM SIGN BRACKET



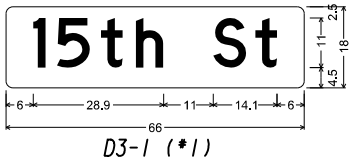
332 CABINET INPUT ASSIGNMENT

SLOT	1	2	3	4	5	6	7	8	9	10	11	12	13	14
UPPER INPUT FILE 4														
CHANNEL 1	TYPE	DET	DET	DET	DET	DET	DET	DET	DET	DET	TBA	TBA	DC	DC
	CARD	VIDEO	VIDEO			VIDEO	VIDEO						DC 150	DC 150
	C1 PIN	56	39	63	47	58	41	65	49	60		80	67	68
	FUNCTION		V2A			V3	V4				ADVANCE		# 2 PED	# 6 PED
CHANNEL 2	TYPE	DET	DET	DET	DET	DET	DET	DET	DET	DET	TBA	TBA	DC	DC
	CARD	VIDEO	VIDEO			VIDEO	VIDEO						DC 150	DC 150
	C1 PIN	56	43	76	47	58	45	78	49	62		53	69	70
	FUNCTION		V2B								ENABLE		# 4 PED	# 8 PED
LOWER INPUT FILE 8														
CHANNEL 1	TYPE	DET	DET	DET	DET	DET	DET	DET	DET	DET	TBA	TBA	DC	DC
	CARD	VIDEO	VIDEO	VIDEO			VIDEO							
	C1 PIN	55	40	64	48	57	42	66	50	59		54	71	72
	FUNCTION	V5	V6A	V6C			V8						EVA	EV8
CHANNEL 2	TYPE	DET	DET	DET	DET	DET	DET	DET	DET	DET	TBA	TBA	DC	DC
	CARD	VIDEO	VIDEO	VIDEO			VIDEO							
	C1 PIN	55	44	77	48	57	46	79	50	61		75	73	74
	FUNCTION		V6B								SPARE 3		EVC	EVD

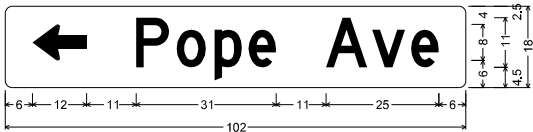
NOTE: THE CONTRACTOR SHALL COORDINATE WITH THE MANUFACTURER FOR CORRECT INSTALLATION.

DETAILS OF OVERHEAD STREET NAME SIGNS

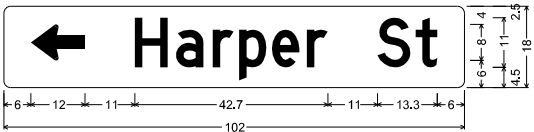
ALL DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED.



D3-1 (*1)



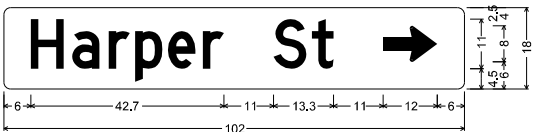
D3-1 (*3)



D3-1 (*5)



D3-1 (*4)

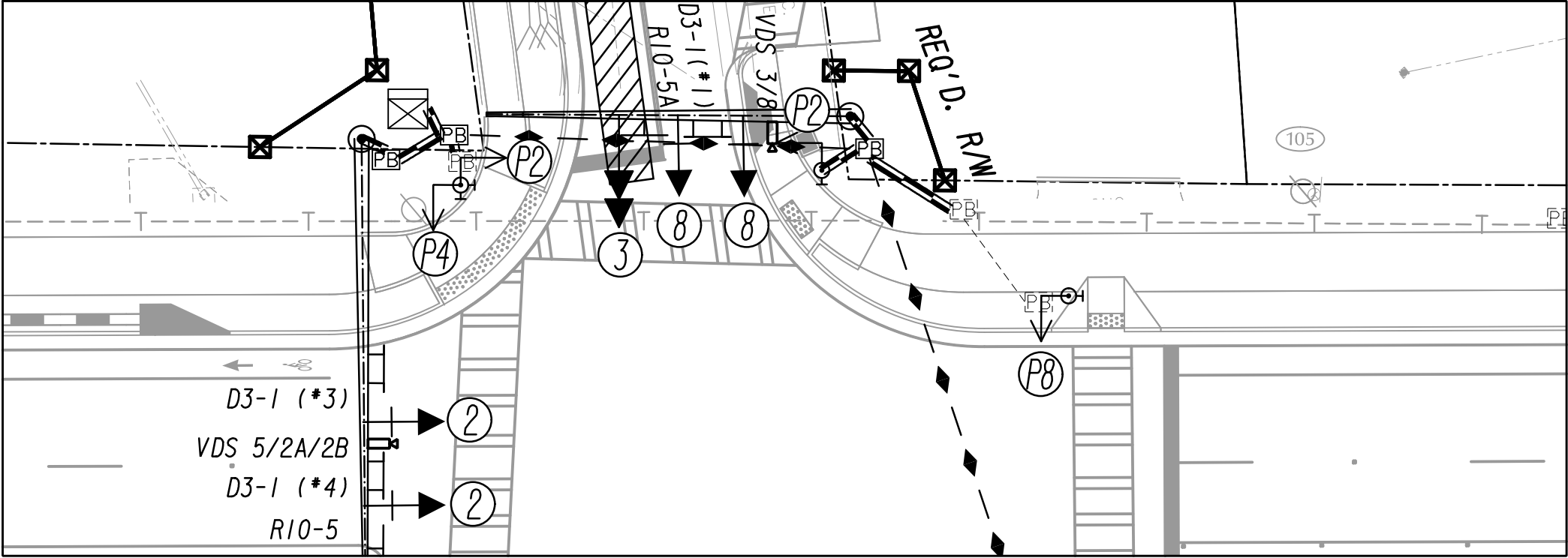


D3-1 (*6)

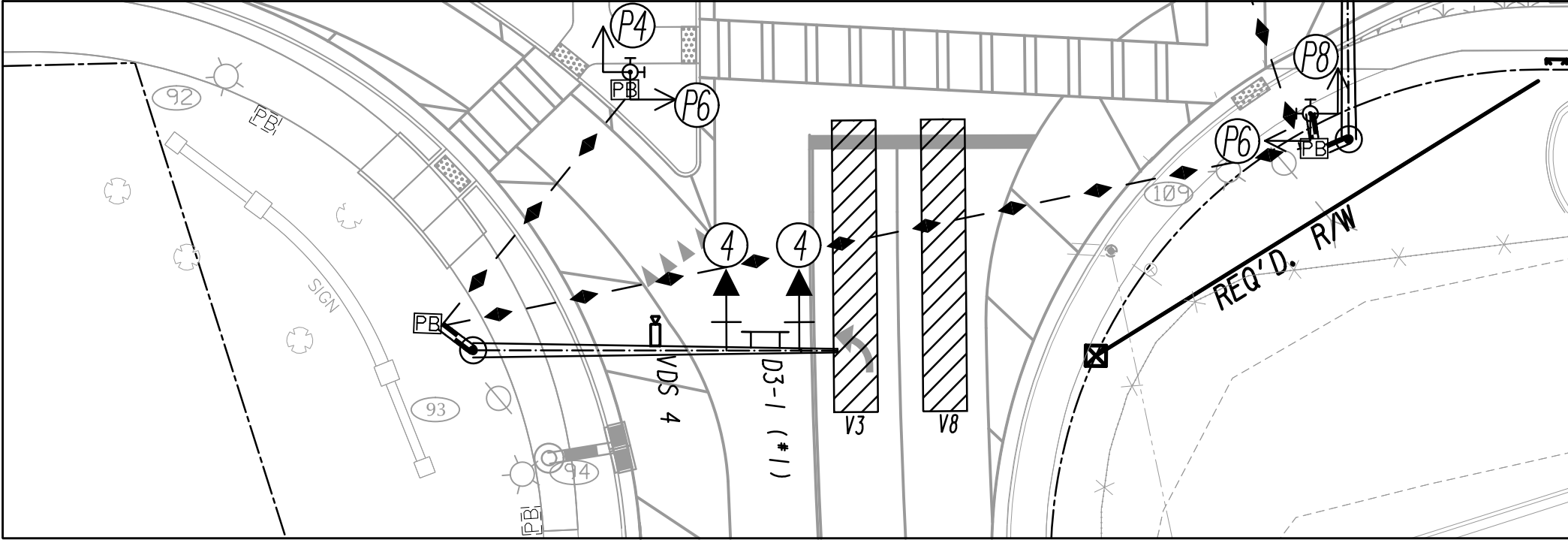
REVISION DATES

SIGNAL PLANS		
15TH STREET PEDESTRIAN IMPROVEMENTS		
INTERSECTION*3		
SR4/15TH STREET@POPE AVENUE/HARPER ST		
CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	

27-0005B



INTERSECTION DETAIL



SIGNAL LEGEND

- PROPOSED
SIGNAL HEAD
- PROPOSED 4-SECTION
SIGNAL HEAD
- EXISTING
SIGNAL HEAD
- PROPOSED 5-SECTION OR
4-SECTION SIGNAL HEAD
- RELOCATED
SIGNAL HEAD
- PEDESTRIAN
SIGNAL HEAD

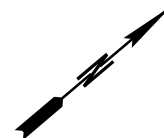
DETECTION LEGEND

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



SIGNAL PLANS
15TH STREET PEDESTRIAN IMPROVEMENTS
INTERSECTION#3
SR 4/15TH STREET @ POPE AVENUE/HARPER ST

27-0006B

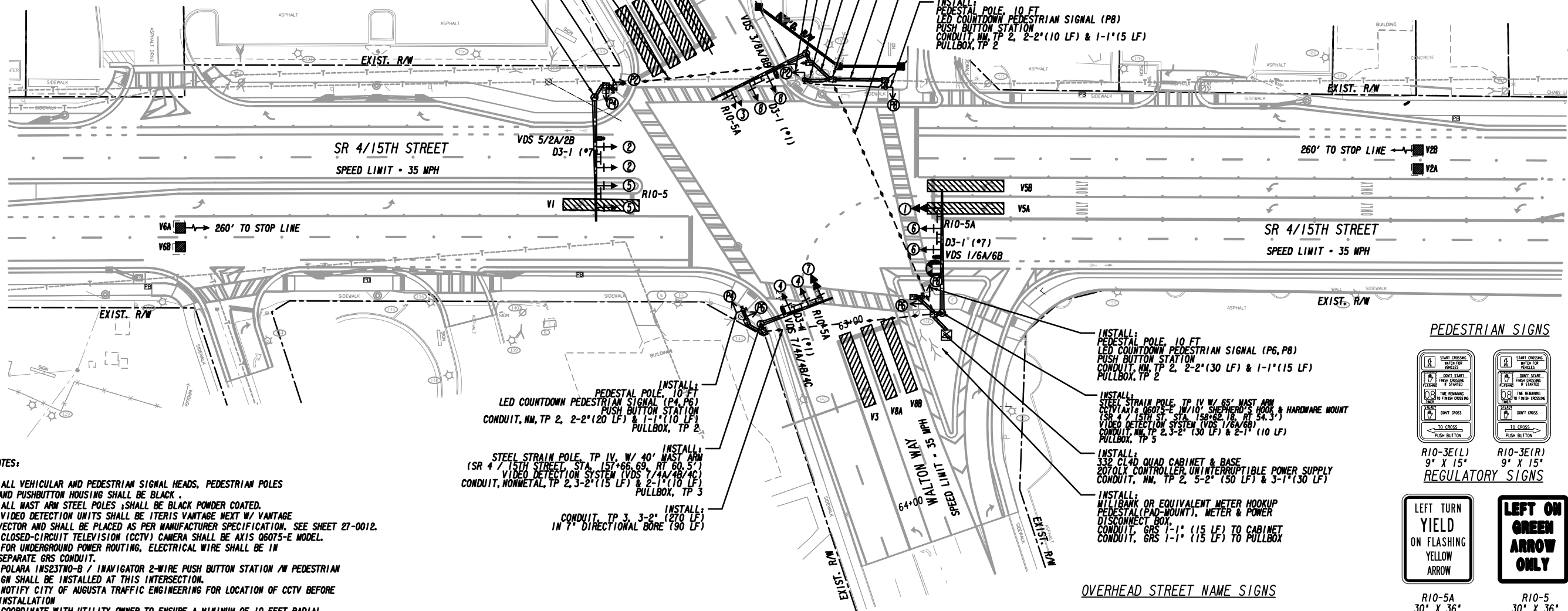
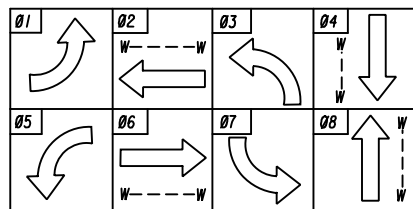


SCALE IN FEET

0 30 60 120

REVISION DATES			SIGNAL PLANS EXISTING CONDITIONS & PROPOSED STRUCTURES INTERSECTION #4 SR 4/15TH STREET @ WALTON WAY		
			CHECKED:	DATE:	DRAWING No.
			BACKCHECKED:	DATE:	
			CORRECTED:	DATE:	
			VERIFIED:	DATE:	
			27-0007B		

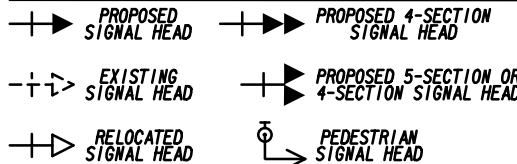
PHASING DIAGRAM



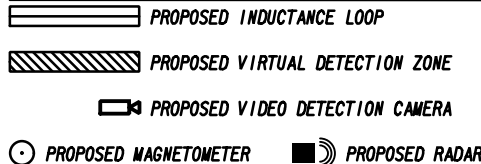
NOTES:

1. ALL VEHICULAR AND PEDESTRIAN SIGNAL HEADS, PEDESTRIAN POLES AND PUSHBUTTON HOUSING SHALL BE BLACK.
2. ALL MAST ARM STEEL POLES SHALL BE BLACK POWDER COATED.
3. VIDEO DETECTION UNITS SHALL BE ITRIS VANTAGE NEXT W/ VANTAGE VECTOR AND SHALL BE PLACED AS PER MANUFACTURER SPECIFICATION. SEE SHEET 27-0012.
4. CLOSED-CIRCUIT TELEVISION (CCTV) CAMERA SHALL BE AXIS 06075-E MODEL.
5. FOR UNDERGROUND POWER ROUTING, ELECTRICAL WIRE SHALL BE IN SEPARATE GRS CONDUIT.
6. POLARA INS2TMO-B / INAVIGATOR 2-WIRE PUSH BUTTON STATION w/ PEDESTRIAN SIGN SHALL BE INSTALLED AT THIS INTERSECTION.
7. NOTIFY CITY OF AUGUSTA TRAFFIC ENGINEERING FOR LOCATION OF CCTV BEFORE INSTALLATION.
8. COORDINATE WITH UTILITY OWNER TO ENSURE A MINIMUM OF 10 FEET RADIAL CLEARANCE EXISTS BETWEEN POWER LINES AND MAST ARMS. THERE SHALL BE NO LINES IN FRONT OF SIGNAL HEADS.
9. INSTALL MILIBANK OR EQUIVALENT METER HOOK UP PEDESTAL w/ METER AND POWER DISCONNECT AND COORDINATE WITH THE POWER COMPANY FOR SERVICE POINT LOCATION AND POWER CONNECTION. SEE SHEET 27-0011 FOR SPEC CUT SHEET FOR METER HOOK UP PEDESTAL.
10. SEE DRAWING 27-0010B FOR INTERSECTION DETAILS.

SIGNAL LEGEND



DETECTION LEGEND



REVISION DATES

NO.	DATE	DESCRIPTION

SIGNAL PLANS

15TH STREET PEDESTRIAN IMPROVEMENTS
INTERSECTION #4
SR 4/15TH STREET @ WALTON WAY

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

27-0008B

LIST OF MATERIALS

MATERIALS	UNIT	QUANTITY
CONTROLLER CABINET ASSEMBLIES		
A. CONTROLLER UNIT, TYPE 2070LY	EA	1
D. CABINET ASSEMBLY, MODEL 332L	EA	1
F. SWITCH PACK (LOAD SWITCH)	EA	14
G. DC ISOLATOR	EA	3
K. 2018 KCLIP CONFLICT MONITOR, EXTENDED FEATURES	EA	1
L. AUXILIARY LOAD BAY	EA	1
M. UNINTERRUPTABLE POWER SUPPLY	EA	1
ZINC FIVE POWER SUPPLY INTERNALLY MOUNTED		
N. POLARA ICCU-S2 CENTRAL CONTROL UNIT (SHELF MOUNT)	EA	1
W/ HARNESS, INTERCONNECT BOARD, AND SDLC CABLE (1 PER INTERSECTION)		
O. POLARA CCU-BRKT MOUNT	EA	1
PREFABRICATED CABINET BASE FOR A 332 CL4D QUAD CABINET W/ WORK PADS	EA	1
PED LEAD-IN WIRE (SHIELDED, TWISTED/1000 FT.) 3 PAIR, 18 AWG	REEL	2
SIGNAL CABLE (14 AWG) 7 CONDUCTOR, PER 1000 FT.	REEL	3
3-SECTION, ONE-WAY, 12" EXPANDED VIEW SIGNAL HEAD, LED "INCANDESCENT LOOK", POLYCARBONATE, BLACK FACE, BLACK BODY (STANDARD CONFIGURATION- RED, YELLOW, GREEN)	EA	8
3-SECTION, ONE-WAY, 12" EXPANDED VIEW SIGNAL HEAD, LED "INCANDESCENT LOOK", POLYCARBONATE, BLACK FACE, BLACK BODY (RED ARROW, YELLOW ARROW, GREEN ARROW)	EA	2
4-SECTION, ONE-WAY, 12" EXPANDED VIEW SIGNAL HEAD "T-SHAPE" LED "INCANDESCENT LOOK", POLYCARBONATE, BLACK FACE, BLACK BODY (TWO RED ARROWS, YELLOW ARROW, GREEN ARROW)	EA	1
4-SECTION, ONE-WAY, 12" EXPANDED VIEW SIGNAL HEAD, LED "INCANDESCENT LOOK", POLYCARBONATE, BLACK FACE, BLACK BODY (RED ARROW, YELLOW ARROW, FLASHING YELLOW ARROW, GREEN ARROW)	EA	2
BACKPLATE FOR ONE-WAY, 3-SECTION SIGNAL HEAD, BLACK, PLASTIC W/2" RETROREFLECTOVE STRIP	EA	10
BACKPLATE FOR ONE-WAY, 4-SECTION SIGNAL HEAD, BLACK, PLASTIC W/2" RETROREFLECTOVE STRIP	EA	2
BACKPLATE FOR ONE-WAY, 4-SECTION "T-SHAPED" SIGNAL HEAD, BLACK, PLASTIC W/2" RETROREFLECTOVE STRIP	EA	1
HARDWARE FOR MAST ARM MOUNTING, BLACK	EA	13
1- SECTION, 16" x 18" LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, BLACK HOUSING, FULL HAND/MAN OVERLAP 19" HIGH NUMBERS & 12" SYMBOLS	EA	8
POLARA INS23TK0-B / NAVIGATOR 2-WIRE APS PUSH BUTTON STATION W/ PEDESTRIAN SIGN, 9"x15", BLACK	EA	8
POLARA INSPA4X2-B, ADAPTER TO MOUNT (2) INAV ON THE SAME 4.5" POLE	EA	3
HARDWARE FOR PEDESTAL POLE, TOP POST MOUNT, ONE-WAY BRACKET ASSEMBLY, BLACK	EA	2
HARDWARE FOR PEDESTAL POLE, TOP POST MOUNT, TWO-WAY BRACKET ASSEMBLY, BLACK	EA	3
MILBANK OR EQUIVALENT METER HOOKUP PEDESTAL & BASE	EA	1
RIGID RISER, 1"	LF	30
R10-5 SIGN (LEFT TURN ON GREEN ARROW ONLY)	EA	1
R10-5A SIGN (LEFT TURN YIELD ON FLASHING YELLOW ARROW)	EA	3
MISCELLANEOUS MATERIALS NEEDED TO COMPLETE INSTALLATION	LUMP	LUMP

LIST OF MATERIALS IS "FOR INFORMATION ONLY"
AND SHOULD BE VERIFIED BY THE CONTRACTOR.

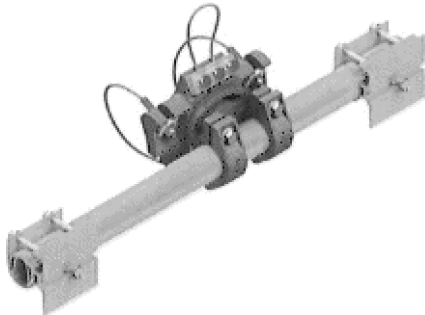
PAY ITEMS

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
636-1045	HIGHWAY SIGNS, TP 2 MATL, REFL SHEETING, TP 11	SF	39
639-3004	STRAIN POLE, TP IV, W/ 40' MAST ARM	EA	1
639-3004	STRAIN POLE, TP IV, W/ 55' MAST ARM	EA	1
639-3004	STRAIN POLE, TP IV, W/ 65' MAST ARM	EA	1
639-3004	STRAIN POLE, TP IV, W/ 65' MAST ARM	EA	1
647-1000	TRAFFIC SIGNAL INSTALLATION NO. 1	LUMP	LUMP
682-2120	PULLBOX, TP 2	EA	4
682-2130	PULLBOX, TP 3	EA	3
682-2140	PULLBOX, TP 4	EA	1
682-2150	PULLBOX, TP 5	EA	1
682-6219	CONDUIT, NONMETAL, TP 2, 1"	LF	125
682-6222	CONDUIT, NONMETAL, TP 2, 2"	LF	325
682-6233	CONDUIT, NONMETAL, TP 3, 2"	LF	1005
682-6233	CONDUIT, RIGID, 1"	LF	180
682-9950	7" DIRECTIONAL BORE	LF	200
682-9950	9" DIRECTIONAL BORE	LF	135
937-6040	VIDEO DETECTION SYSTEM (ITERIS VANTAGE NEXT W/ VANTAGE VECTOR)	LUMP	LUMP
647-6057	PEDESTAL POLE, BLACK	EA	5

GENERAL NOTES

- EACH SIGN SHALL CONTAIN A MINIMUM OF (2) HANGERS OR BRACKETS.
- SIGN LEGEND SHALL BE 8-IN. UPPER CASE & LOWER CASE SERIES "D" LETTERS. ALL ARROWS SHALL BE 8-IN. TALL & 12-IN. LONG.
- EACH SIGN SHALL CONTAIN 1 1/2-IN. RADIUS & 1-IN. BORDER.
- EACH SIGN SHALL BE MADE OF ONE CONTINUOUS PIECE OF ALUMINUM.
- SIGNS SHALL HAVE STANDARD REFLECTORIZED INTERSTATE GREEN BACKGROUND WITH WHITE REFLECTORIZED LEGENDS, BORDERS AND ARROWS.
- MATERIAL SHALL BE 3M REFLECTIVE DIAMOND GRADE VIP 3990, OR EQUIVALENT TYPE 1X MATERIAL OR BETTER.
- LOGO SHALL BE IN FULL COLOR WITH A DIAMETER OF 15".
- FOR SIGNS THAT ARE 72-IN. OR GREATER THEY SHALL CONTAIN A MINIMUM OF THREE (3) HANGERS OR BRACKETS.
- THE CONTRACTOR SHALL CONTACT CITY OF AUGUSTA DEPARTMENT OF TRANSPORTATION'S SIGN SHOP FOR AN ELECTRONIC FILE OF THE LOGO.

MAST ARM SIGN BRACKET



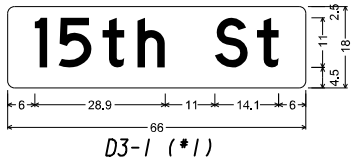
332 CABINET INPUT ASSIGNMENT

SLOT		1	2	3	4	5	6	7	8	9	10	11	12	13	14
UPPER INPUT FILE															
		1	2	2	2	3	4								
TYPE		DET	DET	DET	DET	DET	DET	DET	DET	DET	TBA	TBA	DC	DC	DC
CARD		VIDEO	VIDEO			VIDEO	VIDEO	VIDEO					DC ISO	DC ISO	DC ISO
CHANNEL 1	C1 PIN	56	39	63	47	58	41	65	49	60		80	67	68	81
	FUNCTION	V1	V2A			V3	V4A	V4C				ADVANCE	# 2 PED	# 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
CHANNEL 2	C1 PIN	56	43	76	47	58	45	78	49	62		53	69	70	82
	FUNCTION		V2B				V4B					ENABLE	# 4 PED	# 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			TB8 5, 6	TB8 8, 9	N/C
LOWER INPUT FILE															
		5	6	6	6	7	8	8	8						
TYPE		DET	DET	DET	DET	DET	DET	DET	DET	DET	TBA	TBA	DC	DC	DC
CARD		VIDEO	VIDEO			VIDEO	VIDEO								
CHANNEL 1	C1 PIN	55	40	64	48	57	42	66	50	59		54	71	72	51
	FUNCTION	V5A	V6A			V7	V8A						EVA	EVb	RR 1
	FIELD TERM	TB3 1, 2	TB3 5, 6	TB3 9, 10	TB5 1, 2	TB5 5, 6	TB5 9, 10	TB7 1, 2	TB7 5, 6	TB7 9, 10			TB9 4, 6	TB9 7, 9	TB9 10, 12
CHANNEL 2	C1 PIN	55	44	77	48	57	46	79	50	61		75	73	74	52
	FUNCTION	V5B	V6B				V8B					SPARE 3	EVC	EVD	RR 2
	FIELD TERM	TB3 3, 4	TB3 7, 8	TB3 11, 12	TB5 3, 4	TB5 7, 8	TB5 11, 12	TB7 3, 4	TB7 7, 8	TB7 11, 12			TB9 5, 6	TB9 8, 9	TB9 11, 12

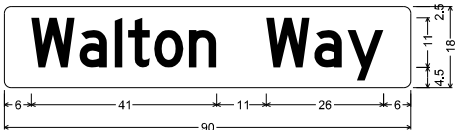
NOTE: THE CONTRACTOR SHALL COORDINATE WITH THE MANUFACTURER FOR CORRECT INSTALLATION.

DETAILS OF OVERHEAD STREET NAME SIGNS

ALL DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED.



D3-1 (*1)



D3-1 (*7)

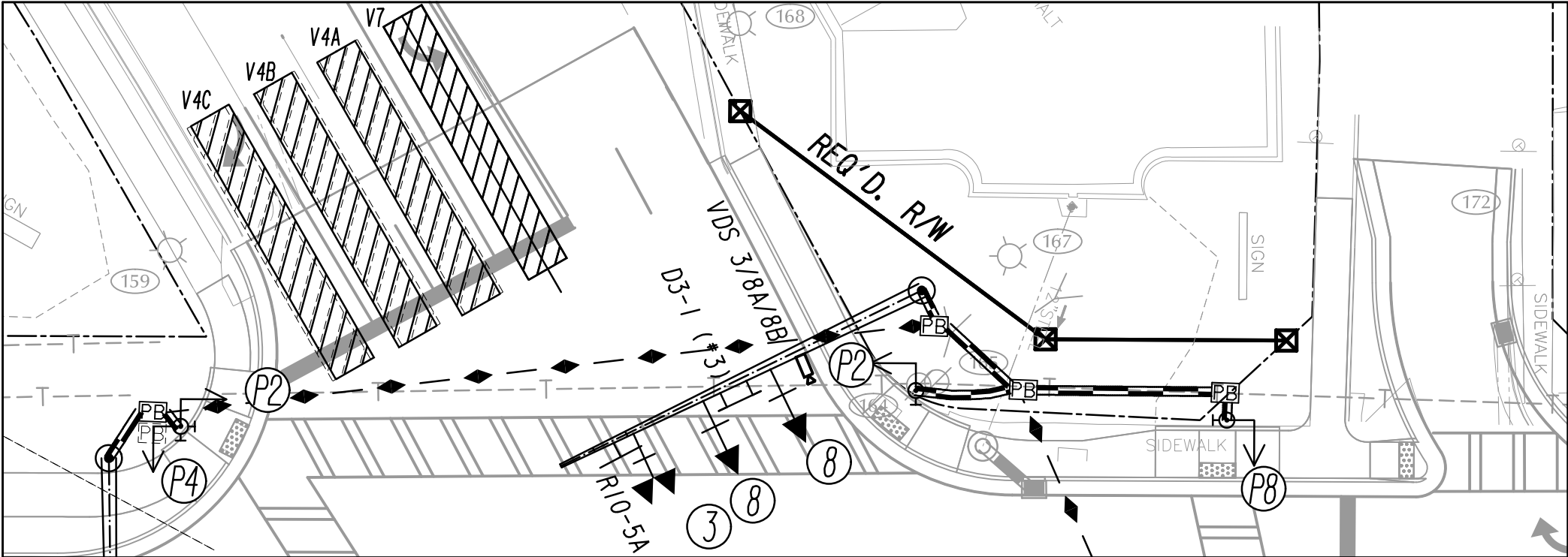
REVISION DATES

SIGNAL PLANS

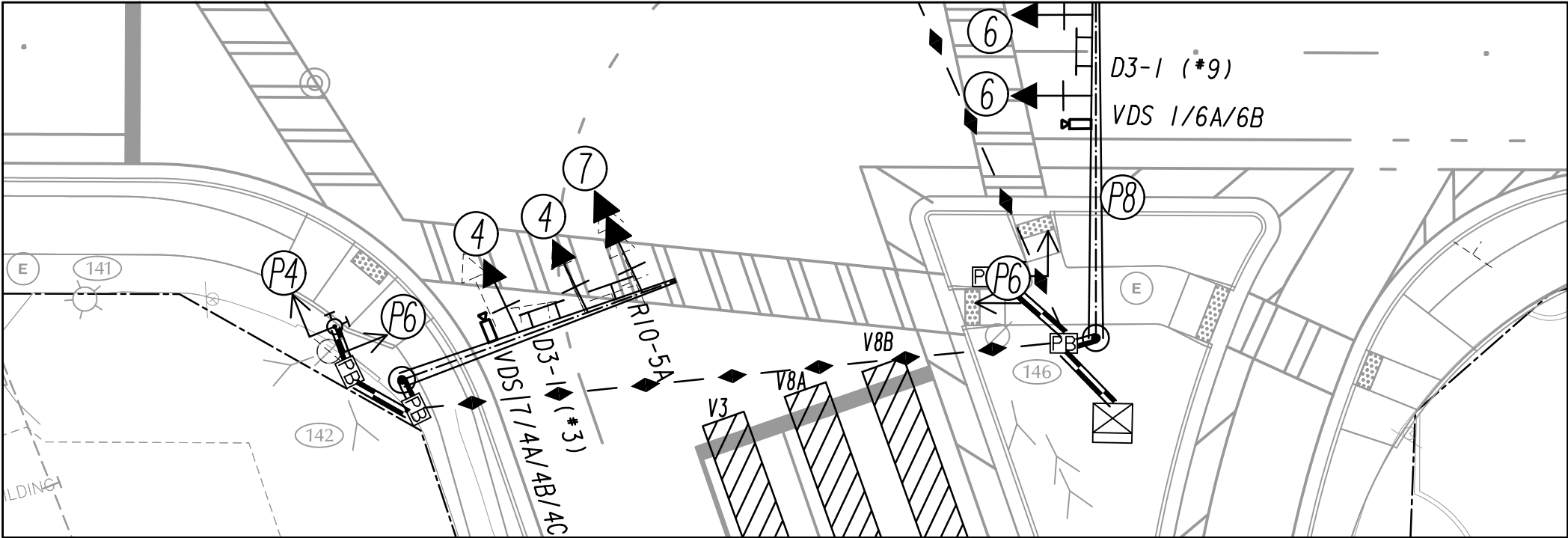
15TH STREET PEDESTRIAN IMPROVEMENTS
INTERSECTION#4
SR 4/15TH STREET @ WALTON WAY

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

27-0009B



INTERSECTION DETAIL



SIGNAL LEGEND

- PROPOSED
SIGNAL HEAD
- PROPOSED 4-SECTION
SIGNAL HEAD
- EXISTING
SIGNAL HEAD
- PROPOSED 5-SECTION OR
4-SECTION SIGNAL HEAD
- RELOCATED
SIGNAL HEAD
- PEDESTRIAN
SIGNAL HEAD

DETECTION LEGEND

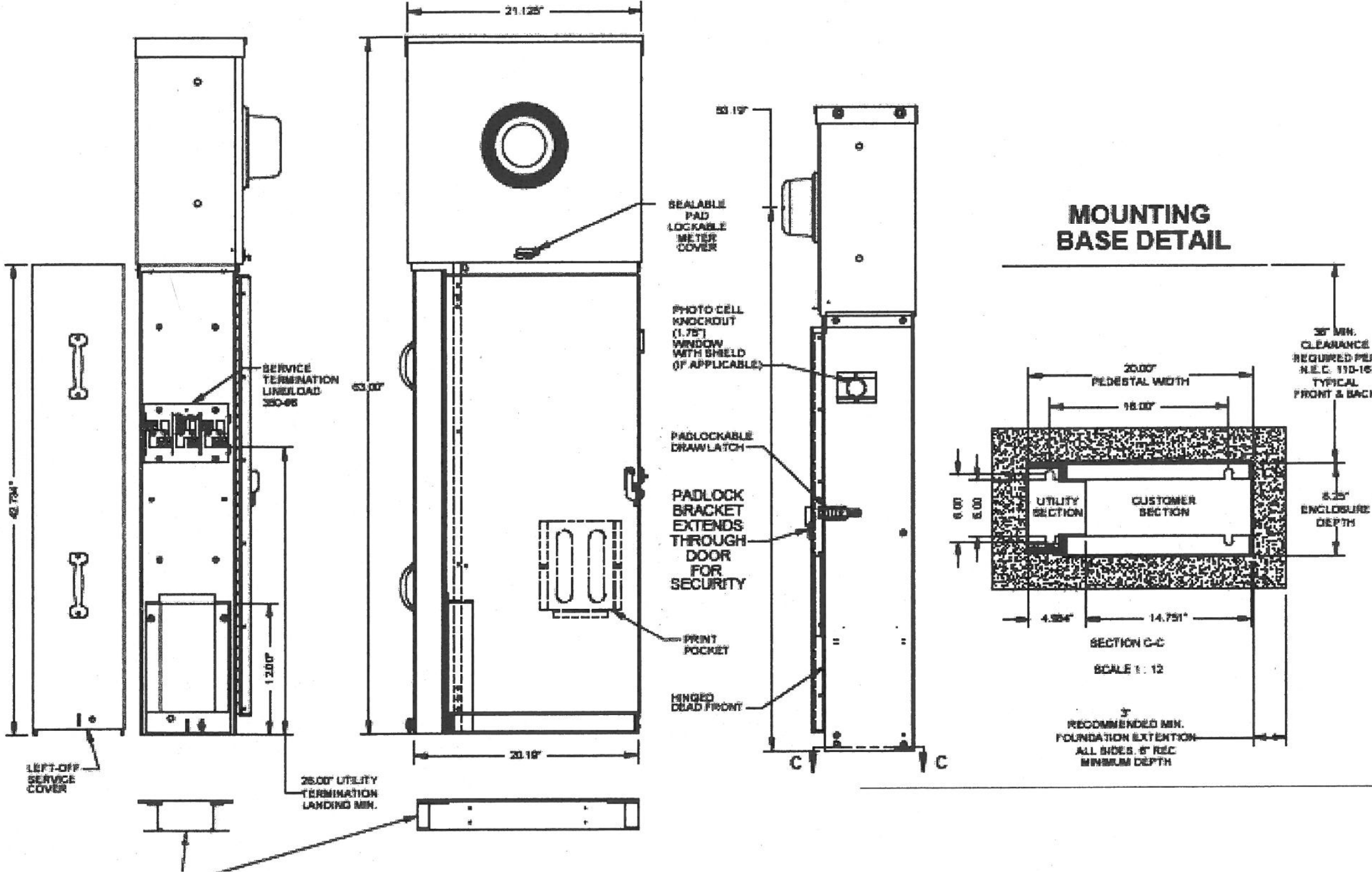
- PROPOSED INDUCTANCE LOOP
- PROPOSED VIRTUAL DETECTION ZONE
- PROPOSED VIDEO DETECTION CAMERA
- PROPOSED MAGNETOMETER
- PROPOSED RADAR



SIGNAL PLANS
15TH STREET PEDESTRIAN IMPROVEMENTS
INTERSECTION#4
SR 4/15TH STREET @ WALTON WAY

27-0010B

20" COMMERCIAL PEDESTAL
SLIM LINE 63 INCH TALL EXPOSED METER



REVISION DATES

SIGNAL PLANS
15TH STREET PEDESTRIAN IMPROVEMENTS
WILLIBAND OR EQUIVALENT
PEDESTAL MOUNT DETAIL

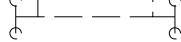
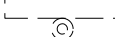
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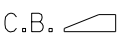
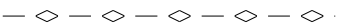
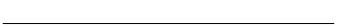
ITEMS NEEDED FOR ITERIS VANTAGE INSTALLATION

DESCRIPTION	QUANTITY
NEXT-CCU-PAK, Vantage Next CCU Unit, 1U box, supports up to 2 NEXT-DVPs (ordered separately). Includes NEXT-CCU-SHIPKIT (NEMA cabinet mounting bracket, 2.4GHz rubber duck antenna, USB optical mouse, 6 ft. HDMI cable, 5 ft. Cat5e patch cable, 4 x 3 ft. Cat5e patch cables, screwdriver, insulated crimp-on ground lug, 6 ft. power cord)	1
NEXT-DVP, Vantage Next Dual Video Processor (supports 2x NEXT-CAM).	2
MON-10LCD-SL, 10 in. Color LCD Monitor, Sunlight Viewable, 2 composite video inputs, 1 VGA input, 1 HDMI input (NTSC/PAL)	0
TS2Cable, TS2 SDLC cable, 8 ft., DB15 to DB15 connector with connector locks	1
VECTOR-NEXT, Vantage Vector Sensor Unit for VantageNext Platform; NTSC/PAL 115/230AC, integrated sensor that includes a compact color wide dynamic range zoom camera and radar unit. Pole mount bracket also included.	2
NEXT-CAM-PAK, Vantage Next WDR Camera. Includes NEXT-CAM-SHIPKIT (pedestal-mount bracket assembly, 2 shielded RJ45 connectors)	2
Pelco SH-0557 Camera Bracket	2
CAT6, Cable Outdoor CAT6, Shielded-1000 FT-Shireen	
NOTE: NEED TO ADD FOOTAGE FOR CAT6	

LIST OF MATERIALS IS "FOR INFORMATION ONLY"
AND SHOULD BE VERIFIED BY THE CONTRACTOR.

ITS LEGEND

	PROPOSED 6' X 20' QUADRUPOLE DETECTOR LOOP
	PROPOSED 6' X 6' DETECTOR LOOP
	EXISTING CCTV CAMERA
	PROPOSED CCTV CAMERA
	EXISTING VIDEO DETECTION SYSTEM
	PROPOSED VIDEO DETECTION SYSTEM
	EXISTING RADAR DETECTION SYSTEM
	PROPOSED RADAR DETECTION SYSTEM
	EXISTING DMS ON SIGN BRIDGE STRUCTURE
	EXISTING DMS ON BUTTERFLY STRUCTURE
	PROPOSED DMS ON SIGN BRIDGE STRUCTURE
	PROPOSED DMS ON BUTTERFLY STRUCTURE
	EXISTING OVERHEAD SIGN
	EXISTING WOOD POLE
	EXISTING STRAIN POLE
	PROPOSED TYPE IV STRAIN POLE
	PROPOSED MAST ARM STRAIN POLE
	PROPOSED PEDESTAL POLE
	EXISTING EXTENSION POLE
	PROPOSED EXTENSION POLE
	EXISTING AERIAL OR UNDERGROUND SERVICE POINT LOCATION
	PROPOSED AERIAL OR UNDERGROUND SERVICE POINT LOCATION
	PROPOSED ELECTRICAL JUNCTION BOX
	EXISTING ELECTRICAL COMMUNICATION BOX
	PROPOSED ELECTRICAL COMMUNICATION BOX
	PROPOSED 3 SECTION TRAFFIC SIGNAL HEAD

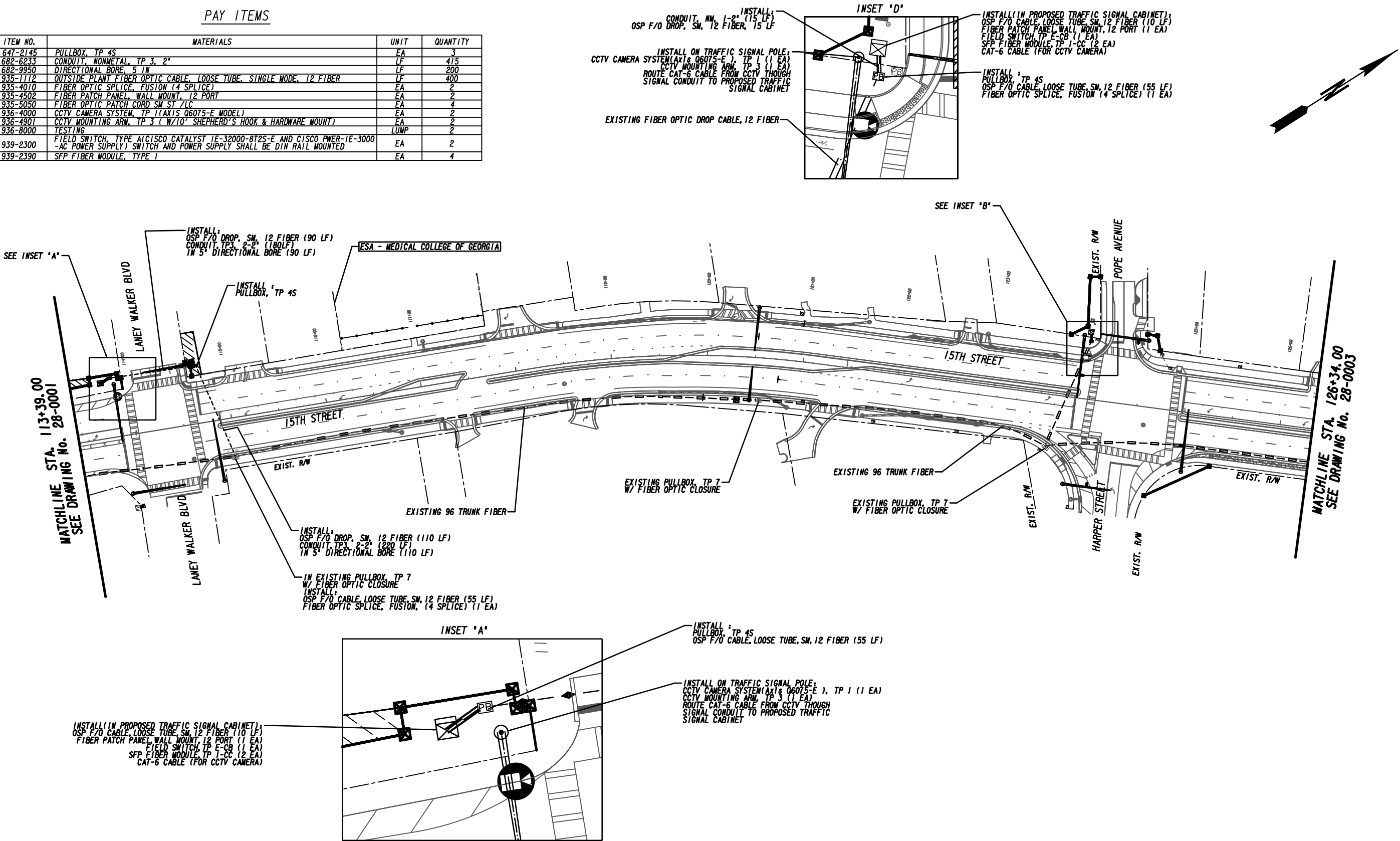
	PROPOSED MAST ARM
	EXISTING PULL BOX
	PROPOSED PULL BOX
	EXISTING CABINET
	PROPOSED GROUND-MOUNTED CABINET
	PROPOSED POLE-MOUNTED CABINET (SHADED FACE IS REAR)
	PROPOSED GUARDRAIL
	EXISTING GUARDRAIL
	PROPOSED GUARDRAIL LEADING EDGE TREATMENT
	PROPOSED GUARDRAIL TRAILING EDGE TREATMENT
	EXISTING CATCH BASIN
	EXISTING DROP INLET
	PROPOSED ADVANCE WARNING FLASHER
	PROPOSED GROUND-MOUNTED SIGN
	EXISTING SIGN
	EXISTING BRIDGE ATTACHED CONDUIT DUCT BANK
	PROPOSED BRIDGE ATTACHED CONDUIT DUCT BANK
	EXISTING CONDUIT DUCT BANK
	PROPOSED CONDUIT DUCT BANK
	PROPOSED CONDUIT ROUTING
	DITCH LINE OR EDGE OF WATER
	EXISTING CONCRETE DITCH
	EXISTING EDGE OF PAVEMENT
	SOLID TRAFFIC STRIPE
	SKIP TRAFFIC STRIPE
	SKIP STRIPE (2' STRIPE, 6' GAP)
	WOODS LINE

REVISION DATES

ITS PLANS
LEGEND

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

PAY ITEMS			
ITEM NO.	MATERIALS	UNIT	QUANTITY
647-2145	PULLBOX, TP 4S	EA	3
682-6233	CONDUIT, NONMETAL, TP 3, 2"	LF	415
682-9950	DIRECTIONAL BORE, 5 IN	LF	200
935-1112	OUTSIDE PLANT FIBER OPTIC CABLE, LOOSE TUBE, SINGLE MODE, 12 FIBER	LF	400
935-4010	FIBER OPTIC SPLICE, FUSION (4 SPLICE)	EA	2
935-4502	FIBER PATCH PANEL, WALL MOUNT, 12 PORT	EA	2
935-5050	FIBER OPTIC PATCH CORD SM ST /LC	EA	4
936-4000	CCTV CAMERA SYSTEM, TP 1 (AXIS Q6075-E MODEL)	EA	2
936-4901	CCTV MOUNTING ARM, TP 3 (W/10" SHEPHERD'S HOOK & HARDWARE MOUNT)	EA	2
936-8000	TESTING	LUMP	2
939-2300	FIELD SWITCH, TYPE A (CISCO CATALYST IE-32000-BT2S-E AND CISCO PWR-IE-3000 -AC POWER SUPPLY) SWITCH AND POWER SUPPLY SHALL BE DIN RAIL MOUNTED	EA	2
939-2390	SFP FIBER MODULE, TYPE 1	EA	4



12/23/2025
GPN

0011408_28-0002.dgn 12/1/2023 12:34:22 PM

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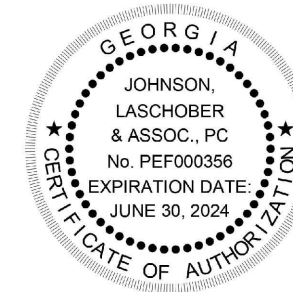
SCALE IN FEET
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REVISION DATES	

ITS PLANS		
15TH STREET AT LANEY WALKER BLVD & HARPER STREET/POPE AVENUE		
CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	28-0002
CORRECTED:	DATE:	
VERIFIED:	DATE:	

PROJECT NAME:

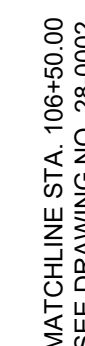
PROJECT LOCATION:



1	04/15/24	R
0	02/26/24	R
REV	DATE	R

By: Alexandra Reynolds

29-0001 1



1. PER GDOT POLICY FOR LANDSCAPING AND ENHANCEMENTS ON GDOT RIGHT OF WAY CHAPTER 4.2, THE REQUIRED 8' HORIZONTAL CLEARANCE ZONE IS SHOWN IN PINK.
2. ALL TREES SHALL BE PRUNED TO A MINIMUM HEIGHT OF 7' IN GDOT R/W TO ENSURE SIDEWALK CLEARANCE REQUIREMENTS ARE MET AND SIGHT DISTANCE REQUIREMENTS ARE MINIMIZED.
3. PERMANENT GRASSING INFORMATION CAN BE FOUND WITHIN THE ESPC PLANS

CONTRACTOR RESPONSIBLE FOR THEIR OWN QUANTITY TAKE-OFFS

NOTE: THE LANDSCAPE ARCHITECT HAS SELECTED PLANT VARIETIES THAT ATTAIN A SPECIFIC SIZE. ANY PROPOSED SUBSTITUTIONS TO THE PLANT SCHEDULE DUE TO AVAILABLE SUPPLY MUST BE APPROVED BY THE PROJECT LANDSCAPE ARCHITECT.

PLANT SCHEDULE

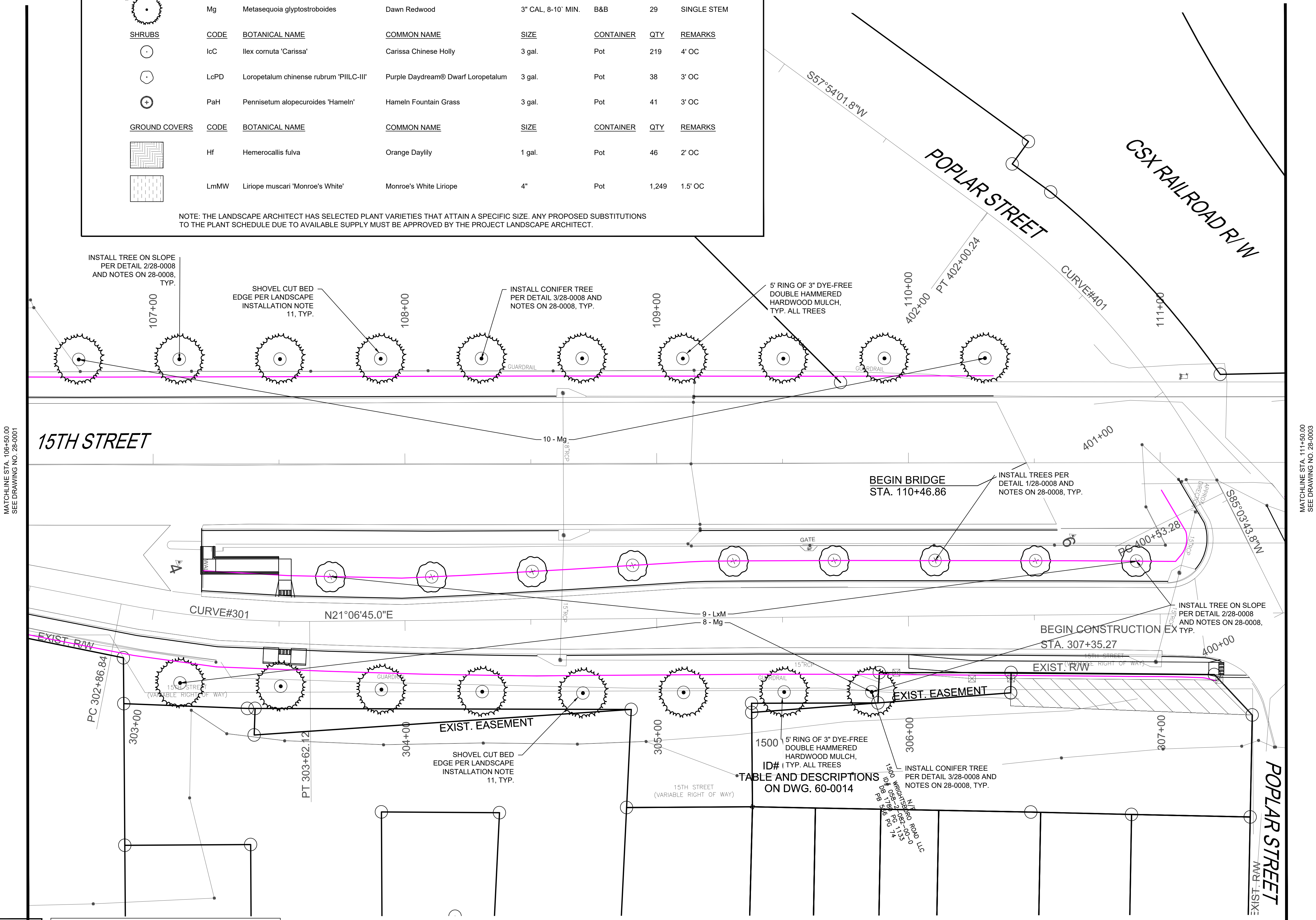
CONTRACTOR RESPONSIBLE FOR THEIR OWN QUANTITY TAKE-OFFS

TREES	CODE	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	QTY	REMARKS
	CcFP	Cercis canadensis 'Forest Pansy'	Forest Pansy Eastern Redbud	3" CAL, 8-10' MIN.	B&B	23	SINGLE STEM
	LxM	Lagerstroemia indica x fauriei 'Muskogee'	Muskogee Crape Myrtle Single Stem	10-12' MIN.	B&B	24	SINGLE STEM
	Mg	Metasequoia glyptostroboides	Dawn Redwood	3" CAL, 8-10' MIN.	B&B	29	SINGLE STEM
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MATCHLINE STA. 105+50.00
SEE DRAWING NO. 28-0001

MATCHLINE STA. 111+50.00
SEE DRAWING NO. 28-0003

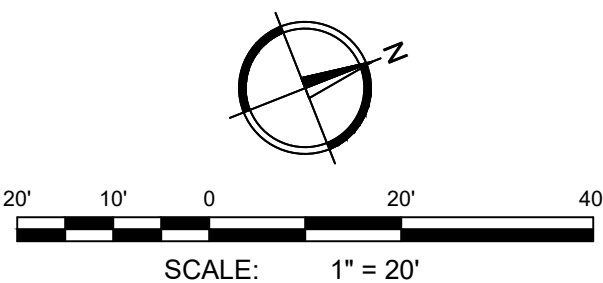
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CITY OF AUGUSTA
520 GREENE STREET, AUGUSTA, GA 30901

PROJECT NAME:
15TH STREET PEDESTRIAN IMPROVEMENTS PROJECT

PROJECT LOCATION:
15TH STREET CORRIDOR

REGISTERED PROFESSIONAL LANDSCAPE ARCHITECT

JOHNSON, LASCHNER & ASSOCIATES, P.C.
No. 1A001805
EXPIRATION DATE: JUNE 30, 2024

REV	DATE	BY	DESCRIPTION
1	04/15/24	RDH	ISSUED FOR CONSTRUCTION
0	02/26/24	RDH	ISSUED FOR CONSTRUCTION

PROJECT NO. 1144.1701
DRAWN BY: AWR
CHECKED BY: RDH
DATE: 02/26/2024

SHEET TITLE:
LANDSCAPE PLAN SHEET 2 OF 7

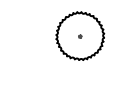
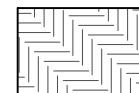
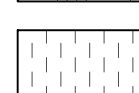
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DRAWING NO. **29-0002**

REV. 1

PLANT SCHEDULE

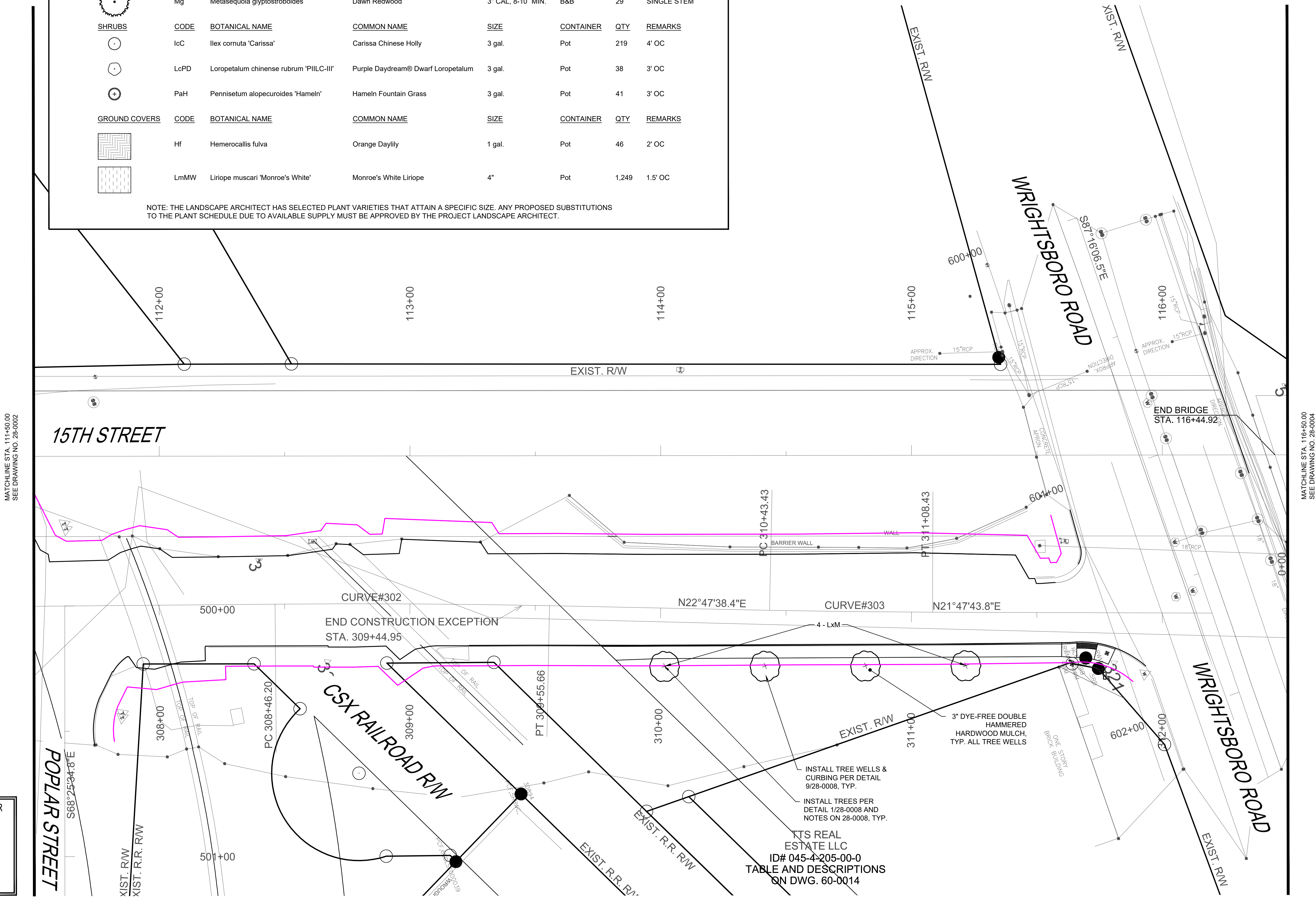
CONTRACTOR RESPONSIBLE FOR THEIR OWN QUANTITY TAKE-OFFS

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	LxM	Lagerstroemia indica x fauriei 'Muskogee'	Muskogee Crape Myrtle Single Stem	10-12' MIN.	B&B	24	SINGLE STEM
	Mg	Metasequoia glyptostroboides	Dawn Redwood	3" CAL, 8-10' MIN.	B&B	29	SINGLE STEM
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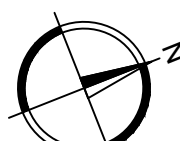
LANDSCAPE PLAN SHEET 3 OF 7

SCALE: 1" = 20'

1

29-0003

SCALE: 1" = 20'



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PROJECT NAME:

15TH STREET PEDESTRIAN

IMPROVEMENTS PROJECT

PROJECT LOCATION:

15TH STREET CORRIDOR

CLIENT:

PROJECT NAME:

15TH STREET PEDESTRIAN

IMPROVEMENTS PROJECT

PROJECT LOCATION:

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PROJECT NAME:

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IMPROVEMENTS PROJECT

PROJECT LOCATION:

15TH STREET CORRIDOR

CLIENT:

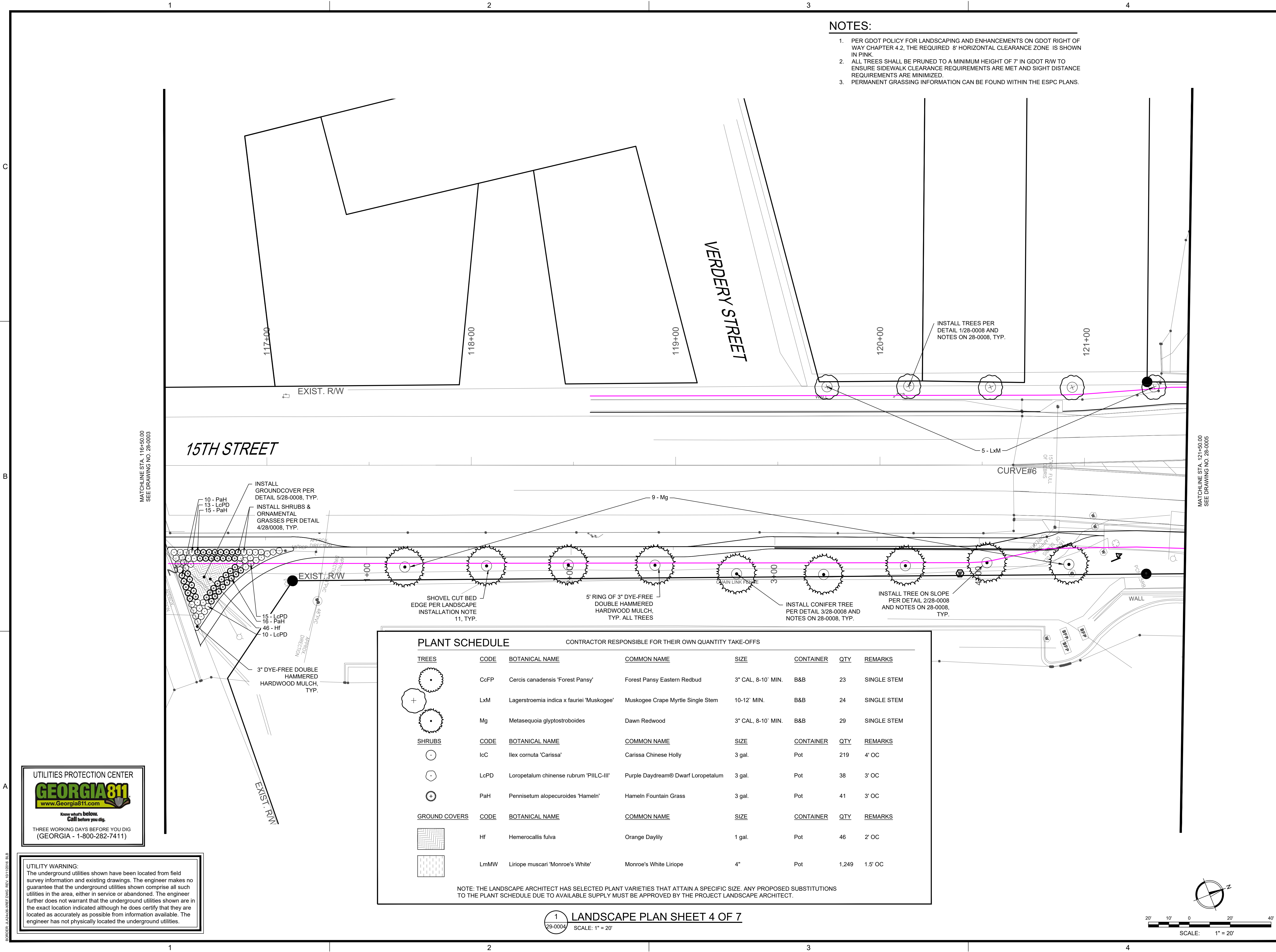
PROJECT NAME:

15TH STREET PEDESTRIAN

IMPROVEMENTS PROJECT

PROJECT LOCATION:

15TH STREET CORRIDOR



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CITY OF AUGUSTA
520 GREENE STREET, AUGUSTA, GA 30901
PROJECT NAME:
15TH STREET PEDESTRIAN IMPROVEMENTS PROJECT
PROJECT LOCATION:
15TH STREET CORRIDOR

GEORGIA REGISTERED PROFESSIONAL LANDSCAPE ARCHITECT
ALEXANDRA WHITNEY REYNOLDS
No. LA001905
EXPIRATION DATE: 4-15-2024
JOHNSON, LASCHOBER & ASSOC., P.C.
No. PE07000368
EXPIRATION DATE: JUNE 30, 2024

REV	DATE	BY	DESCRIPTION
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0	02/26/24	RDH	ISSUED FOR CONSTRUCTION

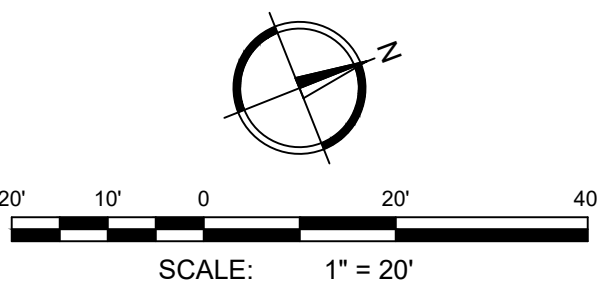
PROJECT NO. 1144.1701
DRAWN BY: AWR
CHECKED BY: RDH
DATE: 02/26/2024

SHEET TITLE:
LANDSCAPE PLAN SHEET 4 OF 7

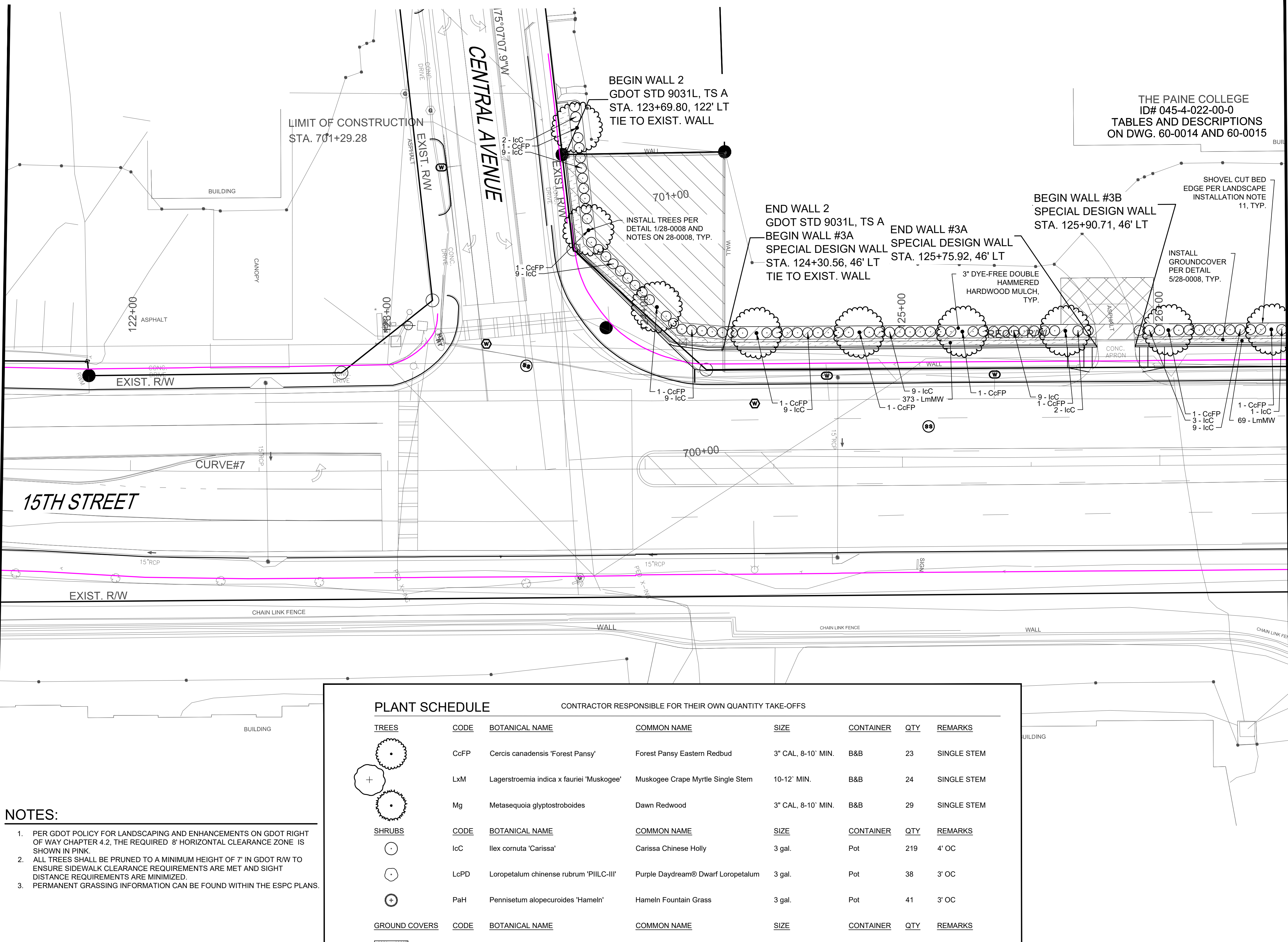
SCALE: 1" = 20'
DRAWING NO. **29-0004**
REV. 1

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PLANT SCHEDULE

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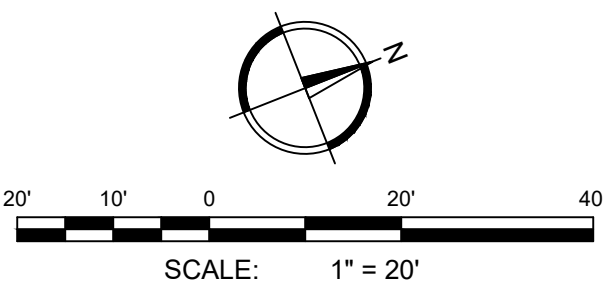
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1
29-0005

LANDSCAPE PLAN SHEET 5 OF 7

SCALE: 1" = 20'

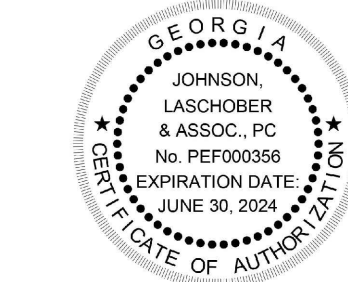
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PROJECT NAME:
**15TH STREET PEDESTRIAN
IMPROVEMENTS PROJECT**



REV	DATE	BY	DESCRIPTION
1	04/15/24	RDH	ISSUED FOR CONSTRUCTION
0	02/26/24	RDH	ISSUED FOR CONSTRUCTION

PROJECT NO. 1144.1701

DRAWN BY: AWR

CHECKED BY: RDH

DATE: 02/26/2024

SHEET TITLE:

**LANDSCAPE PLAN
SHEET 5 OF 7**

SCALE: 1" = 20'

DRAWING NO.

29-0005

REV.

1

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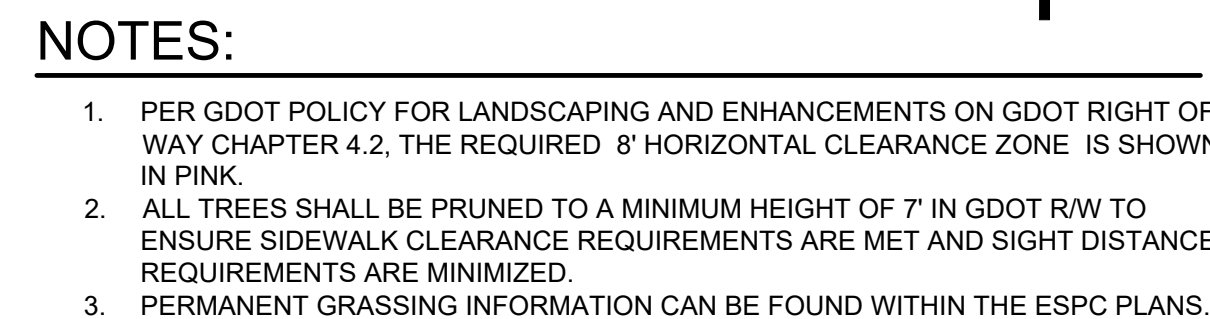
PROJECT NAME:

15TH STREET PEDESTRIAN IMPROVEMENTS PROJECT

15TH STREET CORRIDOR

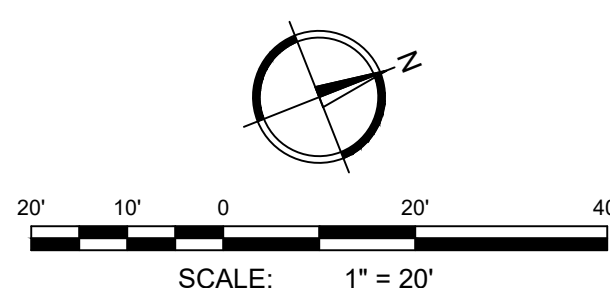


PROJECT NO. 1144.1701	
DRAWN BY : AWR	
CHECKED BY : RDH	
DATE: 02/26/2024	
SHEET TITLE :	
LANDSCAPE PLAN	
SHEET 6 OF 7	
SCALE: 1" = 20'	
DRAWING NO.	REV.
29-0006	1



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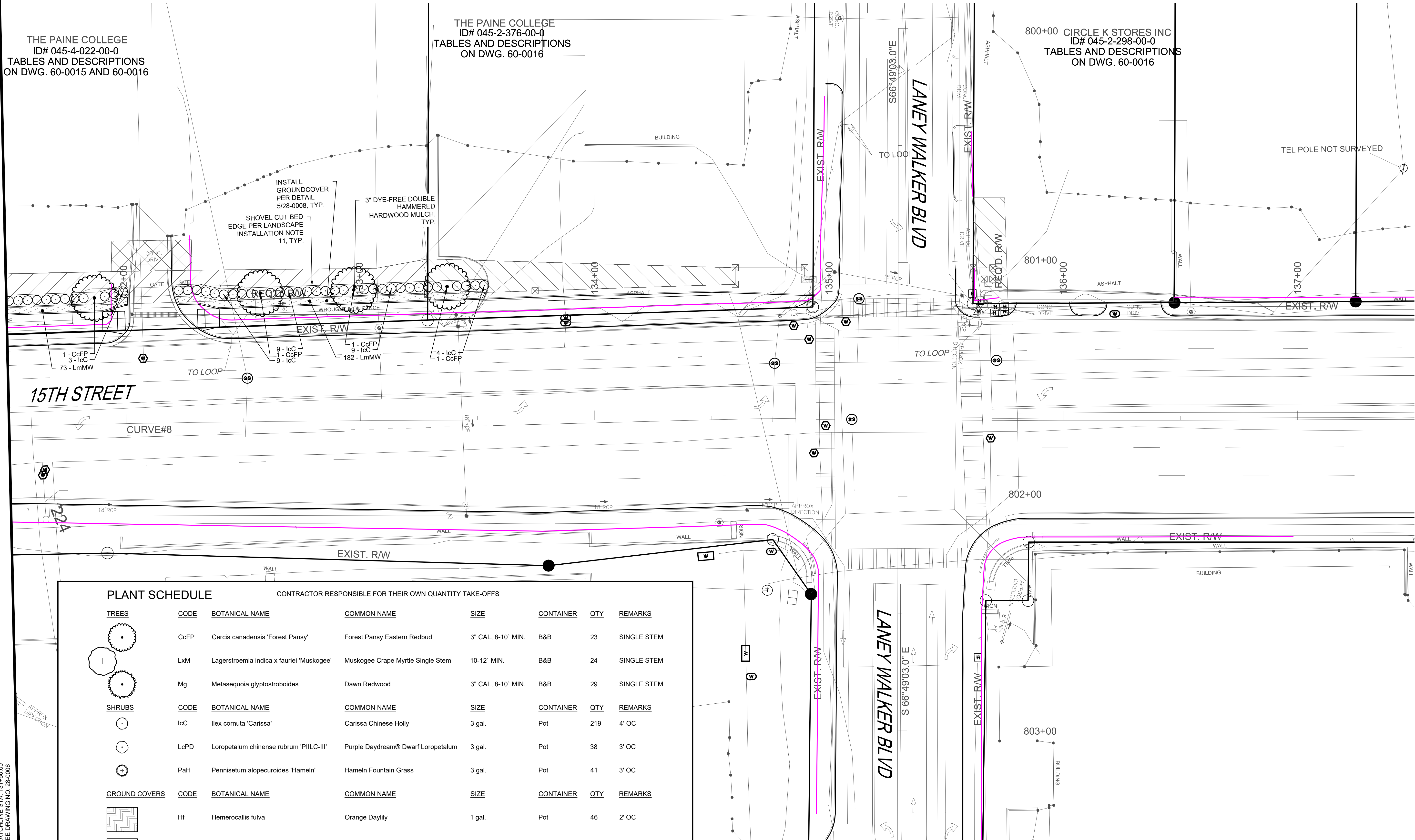
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ID# 045-4-022-00-0
TABLES AND DESCRIPTIONS
ON DWG. 60-0015 AND 60-0016

THE PAINE COLLEGE
ID# 045-2-376-00-0
TABLES AND DESCRIPTIONS
ON DWG. 60-0016

800+00 CIRCLE K STORES INC
ID# 045-2-298-00-0
TABLES AND DESCRIPTIONS
ON DWG. 60-0016



PLANT SCHEDULE

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TREES

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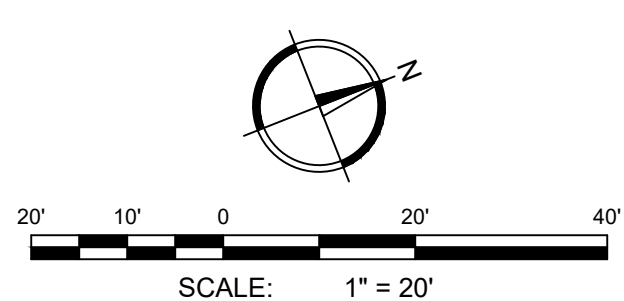
GROUND COVERS

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(GEORGIA - 1-800-282-7411)

UTILITY WARNING:
The underground utilities shown have been located from field survey information and existing drawings. The engineer makes no guarantee that the underground utilities shown comprise all such utilities in the area, either in service or abandoned. The engineer further does not warrant that the underground utilities shown are in the exact location indicated although he does certify that they are located as accurately as possible from information available. The engineer has not physically located the underground utilities.



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CITY OF AUGUSTA
520 GREENE STREET, AUGUSTA, GA 30901
PROJECT NAME:
15TH STREET PEDESTRIAN IMPROVEMENTS PROJECT
PROJECT LOCATION:
15TH STREET CORRIDOR

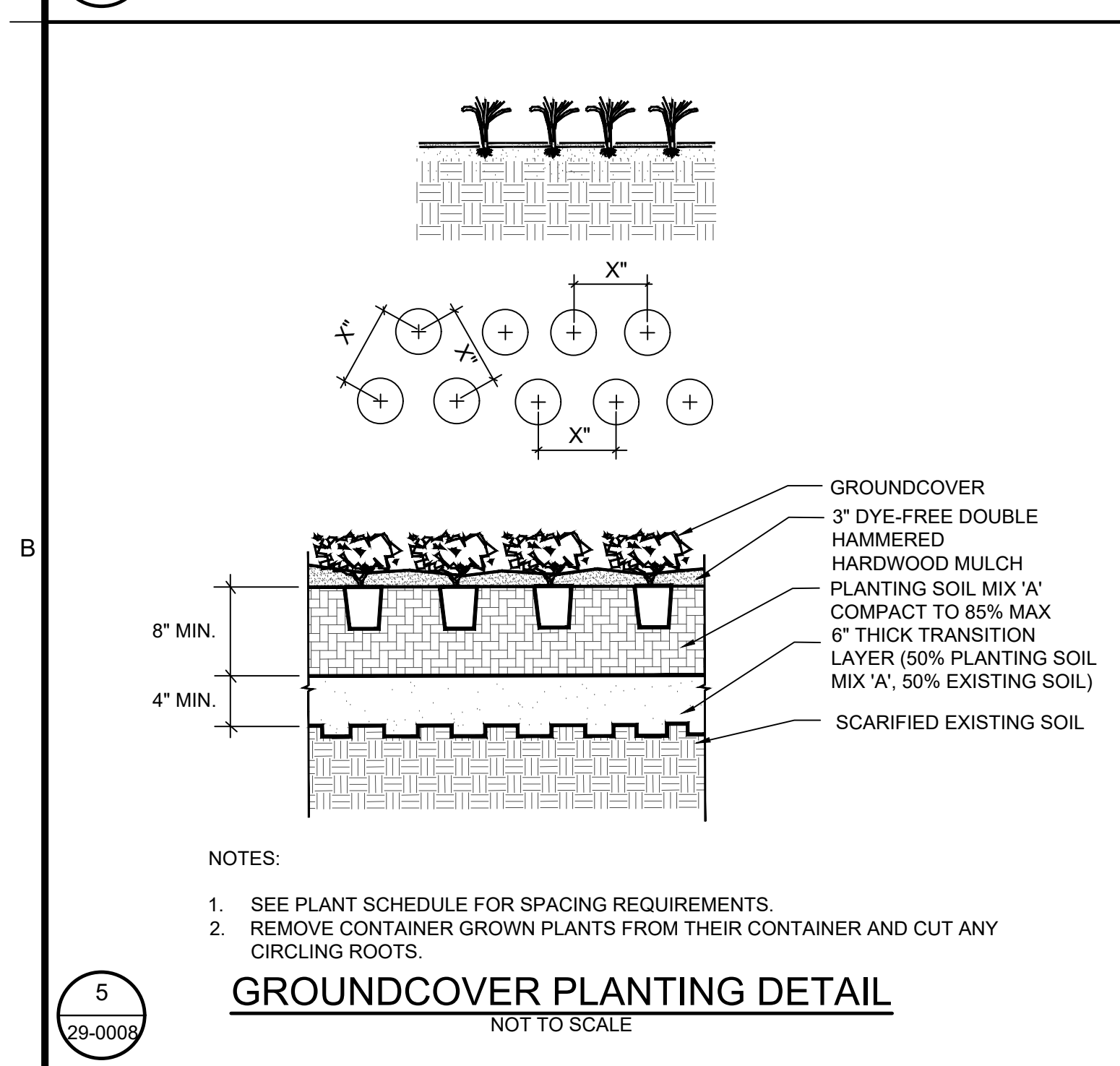
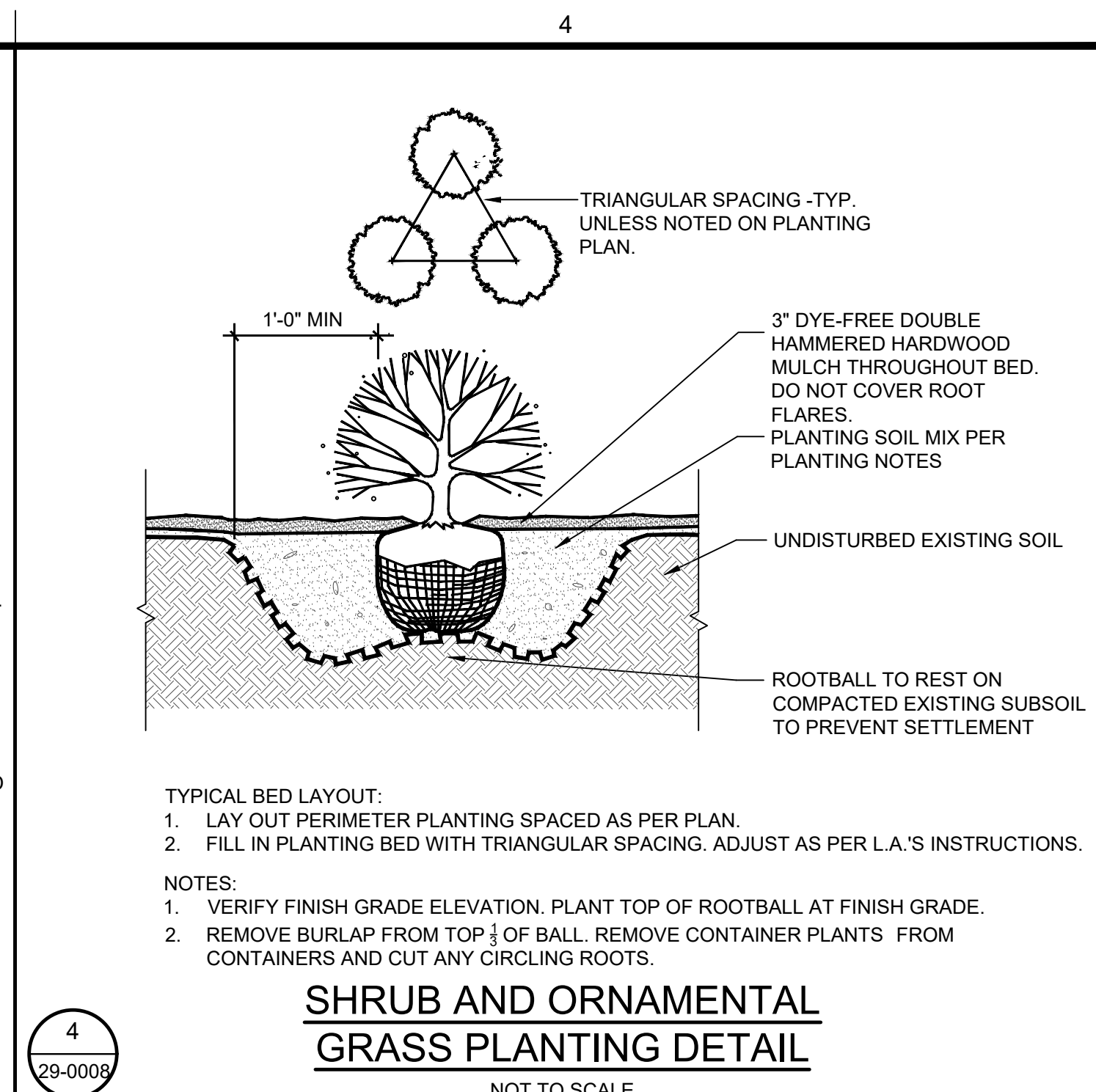
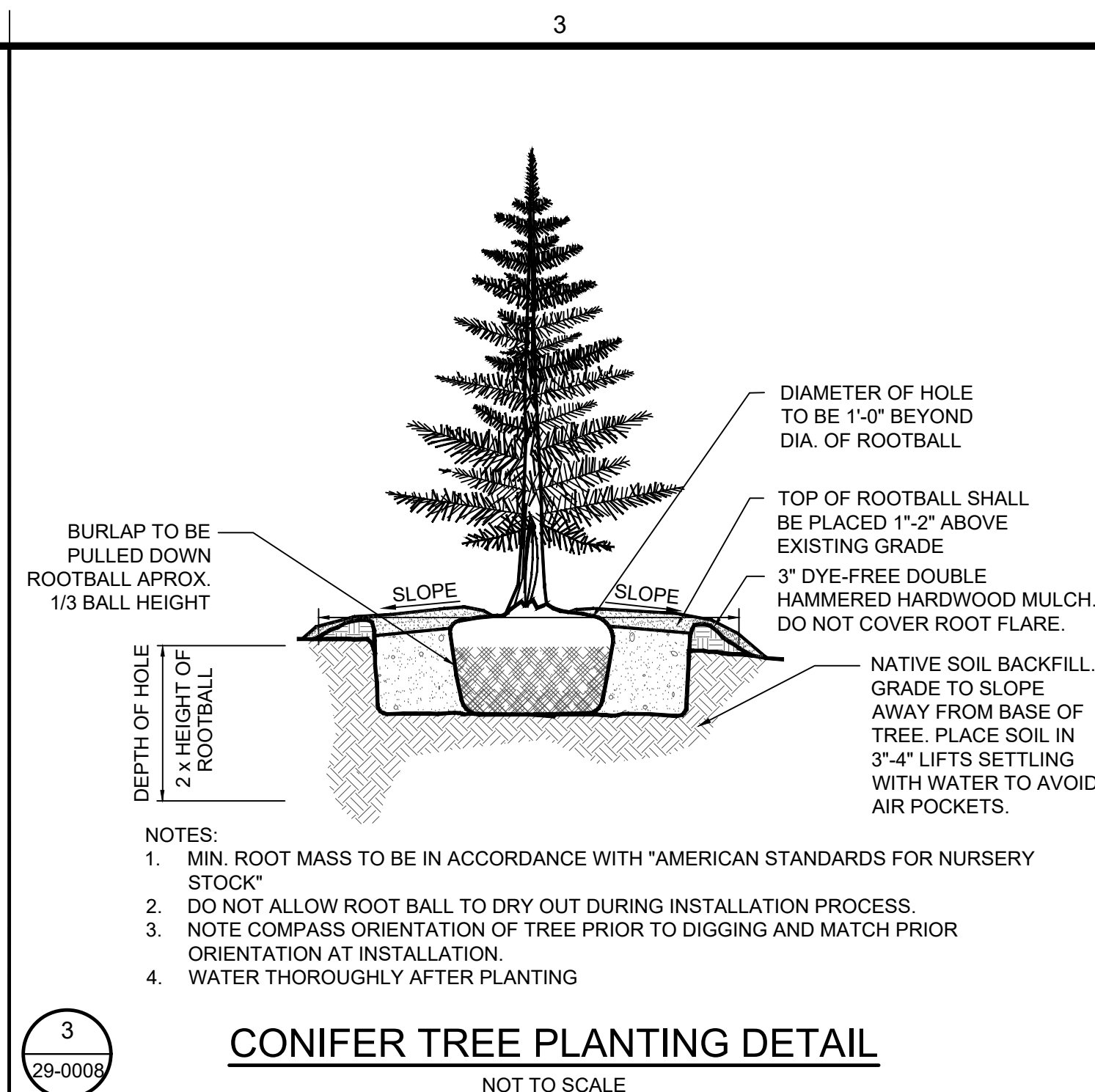
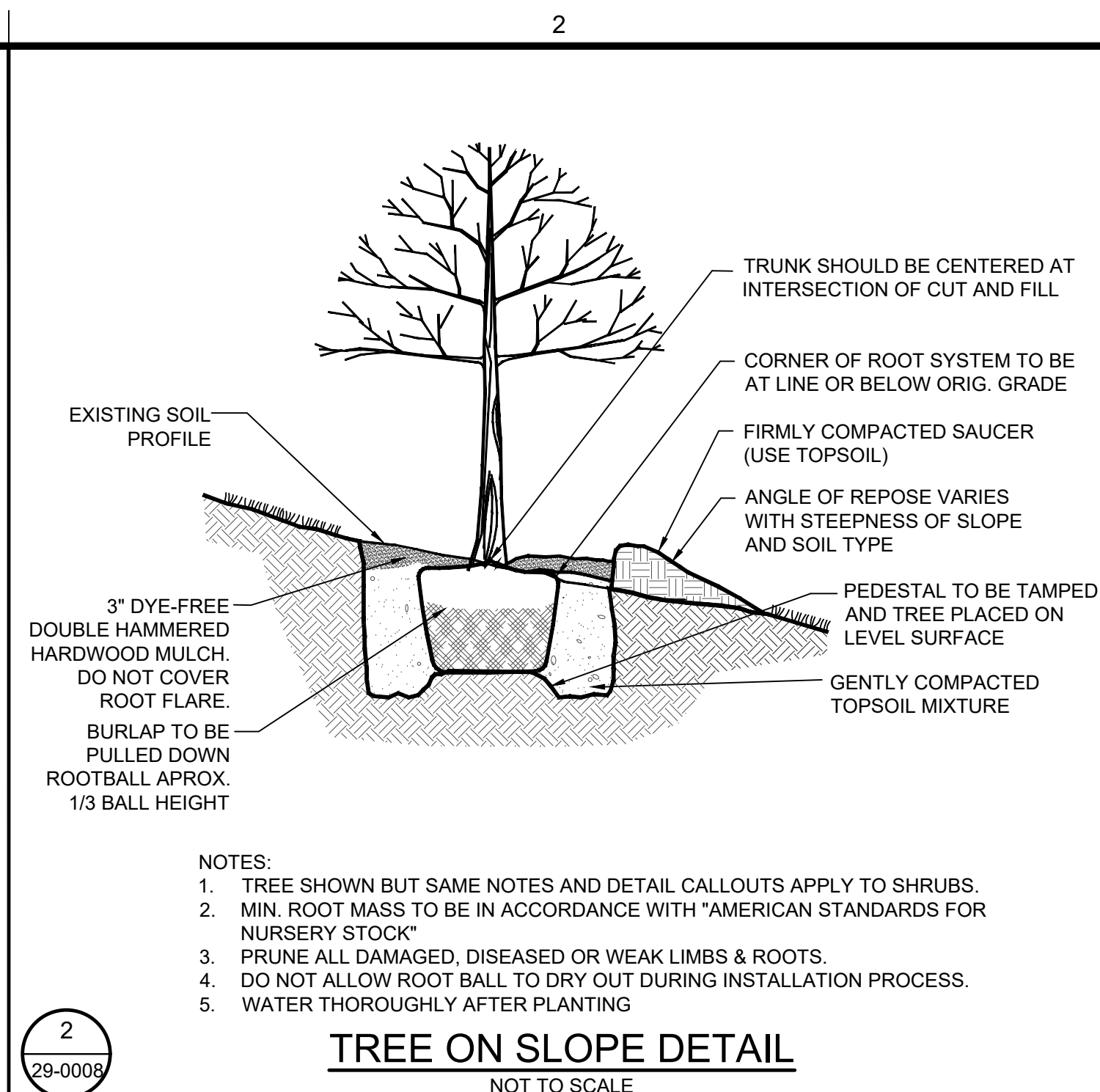
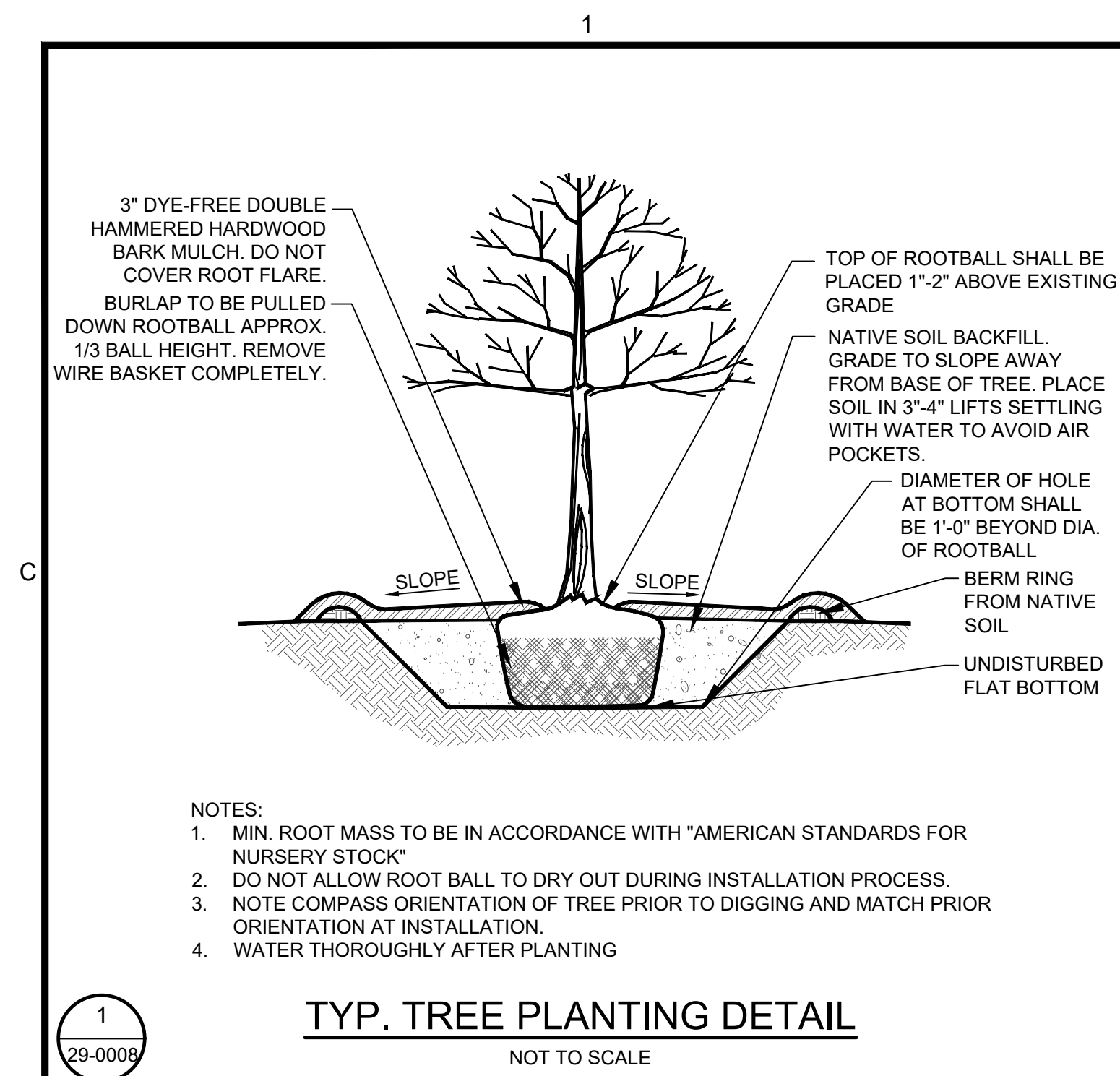


REV	DATE	BY	DESCRIPTION
1	04/15/24	RDH	ISSUED FOR CONSTRUCTION
0	02/26/24	RDH	ISSUED FOR CONSTRUCTION

PROJECT NO. 1144.1701
DRAWN BY: AWR
CHECKED BY: RDH
DATE: 02/26/2024

SHEET TITLE:
LANDSCAPE PLAN SHEET 7 OF 7

SCALE: 1" = 20'
DRAWING NO. **29-0007**
REV. 1



IRRIGATION SPECIFICATIONS:

1. CONTRACTOR SHALL DESIGN AND INSTALL AN IRRIGATION SYSTEM FOR 100% COVERAGE OF ALL NEW TREES AND LANDSCAPE BEDS. A SHOP DRAWING OF THE PROPOSED SYSTEM LAYOUT AND PROPOSED EQUIPMENT SCHEDULE MUST BE SUBMITTED TO OWNER FOR APPROVAL PRIOR TO CONSTRUCTION.
2. ALL IRRIGATION EQUIPMENT SHALL BE MANUFACTURED BY RAINBIRD INC. OR APPROVED EQUAL.
3. CONTRACTOR SHALL FIELD VERIFY EXISTING WATER PRESSURE AND AVAILABLE VOLUME FOR MINIMUM MANUFACTURED SPECIFIED WORKING PRESSURE BEFORE WORKING IRRIGATION SYSTEM.
4. CONTRACTOR SHALL SUPPLY POWER TO CONTROLLER UTILIZING NEAREST EXISTING POWER SUPPLY. CONTRACTOR SHALL CONSULT WITH OWNER AS TO THE LOCATION AND PLACEMENT OF THE CONTROLLER.
5. CONTRACTOR WILL INSTALL HEADS AND NOZZLES THAT WILL LIMIT THE AMOUNT OF WATER THROWN ON IMPERVIOUS SURFACES AND STILL MAINTAIN 100% COVERAGE OF PLANTED AREAS WITHIN THE IRRIGATION LIMITS. WATER OVERSPRAY ON IMPERVIOUS SURFACES MUST BE MINIMIZED TO THE GREATEST EXTENT POSSIBLE. IRRIGATION WATER MUST BE DIRECTED AWAY FROM BUILDINGS & OTHER STRUCTURES.
6. CONTRACTOR SHALL LOCATE ALL UTILITIES BEFORE IRRIGATION INSTALLATION BEGINS.
7. NO IRRIGATION WATER SHALL BE THROWN ON BUILDING MASONRY. NO FUNNY PIPE OR OTHER FLEXIBLE PIPE CAN BE USED FOR SUPPLY OR FEEDER LINES. NO STATIONARY RISERS CAN BE USED.
8. ALL PLASTIC PIPE FROM SIZES 4" AND ABOVE SHALL BE CLASS 200, SDR 21, UNPLASTICIZED RIGID PVC PIPE WITH INTEGRAL BELL AND RUBBER RING GASKET UNLESS OTHERWISE SPECIFIED. PIPE FROM SIZES 3" TO 3/4" SHALL BE CLASS 200, SOLVENT WELD, PVC PIPE. 1/2" PIPE SHALL BE CLASS 200, SOLVENT WELD, PVC PIPE. ALL PIPE SHALL BE SUPPLIED IN 20' STANDARD LENGTHS AND SHALL BE MANUFACTURED BY CERTAINTED CORP., CRESTLINE, DURA, OR EQUAL. ALL PIPE THAT IS EXPOSED OR NOT BELOW GRADE SHALL BE SCHEDULE 80 PVC. ALL DRIP IRRIGATION SUPPLY LINES NOT IN LANDSCAPE BEDS SHALL BE BELOW GRADE.
9. ALL IN-GROUND WIRE CONNECTIONS MUST BE MADE WITH 3M-DBY WIRE CONNECTIONS OR APPROVED EQUAL.
10. CONTROLLER SHALL BE BY RAIN BIRD OR APPROVED EQUAL. CONTROLLER SHALL INCLUDE RAIN SENSITIVE CONTROLLER SHALL BE WEATHER TIGHT CONSTRUCTION.
11. ALL CONTROL VALVES MUST BE BRASS OR SCHD. 80 PVC WITH A SCHD. 80 ISOLATION VALVE AT EACH CONTROL VALVE.
12. VALVES IN BOXES MUST BE EASILY ACCESSIBLE AND INSTALLED WITH 8" DRAINAGE ROCK IN BOTTOM.
13. ALL VALVE BOXES SHALL BE SET LEVEL WITH FINISHED GRADE.

AUGUSTA TREE NOTES

ILLUSTRATED TREE ORDINANCE SECTION 6.5

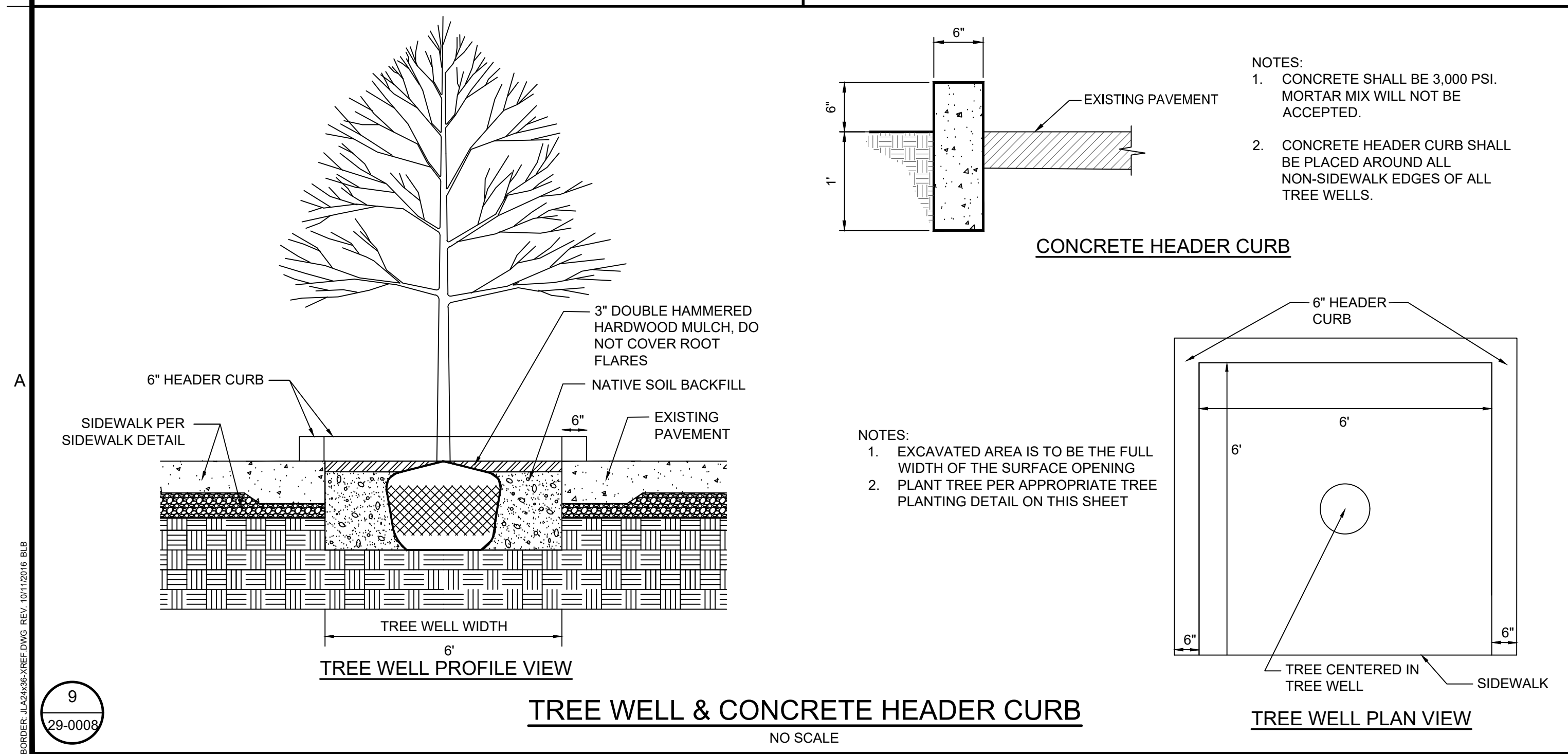
1. CONTRACTOR MUST CONTACT THE AUGUSTA PLANNING DEPARTMENT TO SET UP A PRE-CONSTRUCTION MEETING PRIOR TO ANY TREE DISTURBANCE.
 2. ALL TREE PROTECTION DEVICES MUST BE INSTALLED PRIOR TO INSPECTION BY THE CODE INSPECTION OFFICER AND PRIOR TO ANY TREE DISTURBANCE ACTIVITIES.
 3. REMOVAL OR DAMAGE OF TREES IN THE CONSERVATION AREA WILL BE SUBJECT TO THE PENALTIES ESTABLISHED IN THE PENALTIES SECTION OF THIS ORDINANCE.
 4. THESE PLANS SHALL BE REVIEWED BY THE CODE INSPECTION OFFICER FOR CONFORMANCE WITH APPLICABLE PROVISIONS OF THIS SECTION AND FOR TREE AND VEGETATION VIABILITY. THE PLANS WILL EITHER BE APPROVED OR RETURNED FOR REVISIONS. REASONS FOR RETURN SHALL BE NOTED ON THE PROPOSED PLAN.
 5. ALL TREE PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO INSPECTION OF CODE INSPECTION OFFICER AND PRIOR TO TREE DISTURBANCE.
 6. THE CODE INSPECTION OFFICER WILL CONDUCT FOLLOW-UP SITE INSPECTIONS FOR ENFORCEMENT OF THE TREE PROTECTION REQUIREMENTS.
- TREE ORDINANCE SECTION 8-4-13(d)(7)(c)
7. NO LIGHTING CAN BE WITHIN 20' OF A REQUIRED TREE OR WITHIN A REQUIRED LANDSCAPE ISLAND.
 8. LIGHTING ON THE ELECTRICAL PLAN MUST BE CONSISTENT WITH LIGHTING DELINEATED ON THE TREE PROTECTION/TREE ESTABLISHMENT PLAN; IF CONFLICTS BETWEEN THE TWO PLANS ARISE, THE LIGHTING ON THE TREE PROTECTION/TREE ESTABLISHMENT PLAN SUPERSEDES LIGHTING ON THE ELECTRICAL PLAN.
 9. NO SIGNS, WITH THE EXCEPTION OF SMALL DIRECTIONAL SIGNS (THESE SIGNS MAY NOT EXCEED (30") IN HEIGHT NOR MORE THAN (4 SQ. FT.) IN AREA), MAY BE LOCATED WITHIN 20' OF A REQUIRED TREE OR WITHIN REQUIRED LANDSCAPE ISLANDS.
 10. NO BICYCLE RACKS, FIRE HYDRANTS, UTILITY BOXES, TRANSFORMERS OR OTHER SITE APPURTENANCES MAY BE LOCATED IN REQUIRED LANDSCAPE ISLANDS.
- TREE ORDINANCE SECTION 8-4-13(d)(8)
11. A PERMANENT WATER SOURCE MUST BE WITHIN 100' OF ALL REQUIRED TREES.
- TREE ORDINANCE SECTION 8-4-13(d)(12)
12. NO NEW UTILITIES (UNDERGROUND OR OVERHEAD) MAY BE LOCATED DIRECTLY ABOVE OR BELOW EXISTING OR PROPOSED TREE LOCATIONS. PROPOSED UTILITIES MUST BE ROUTED AWAY FROM ALL REQUIRED TREES ON THIS SITE.
- TREE ORDINANCE SECTION 8-4-13(g)
13. ALL REQUIRED TREES ARE RECOMMENDED TO BE GROWN WITHIN ONE CLIMATIC ZONE OF AUGUSTA, GA.
 14. TREES PLANTED FOR CANOPY COVER CREDIT SHALL MEET QUALITY AND SIZE STANDARDS AS DESCRIBED IN THE ANSI Z 60.1 AMERICAN STANDARD FOR NURSERY STOCK DATED 1990 AND PUBLISHED BY THE AMERICAN NURSERY AND LANDSCAPE ASSOCIATION, AS OFFICIALLY REVISED AND AMENDED FROM TIME TO TIME. ALL TREES SHALL BE PER IO LIST.
 15. ALL TREES SELECTED FOR PLANTING SHOULD BE OF URBAN TOLERANT SPECIES AND SUITABLE FOR THE SITE CONDITIONS OF PLANTING LOCATION, INCLUDING GROWING SPACE LIMITS, SOIL MOISTURE, SOIL VOLUME, AND CLASSIFIED AS WATER WISE PLANT ONCE ESTABLISHED. ALL

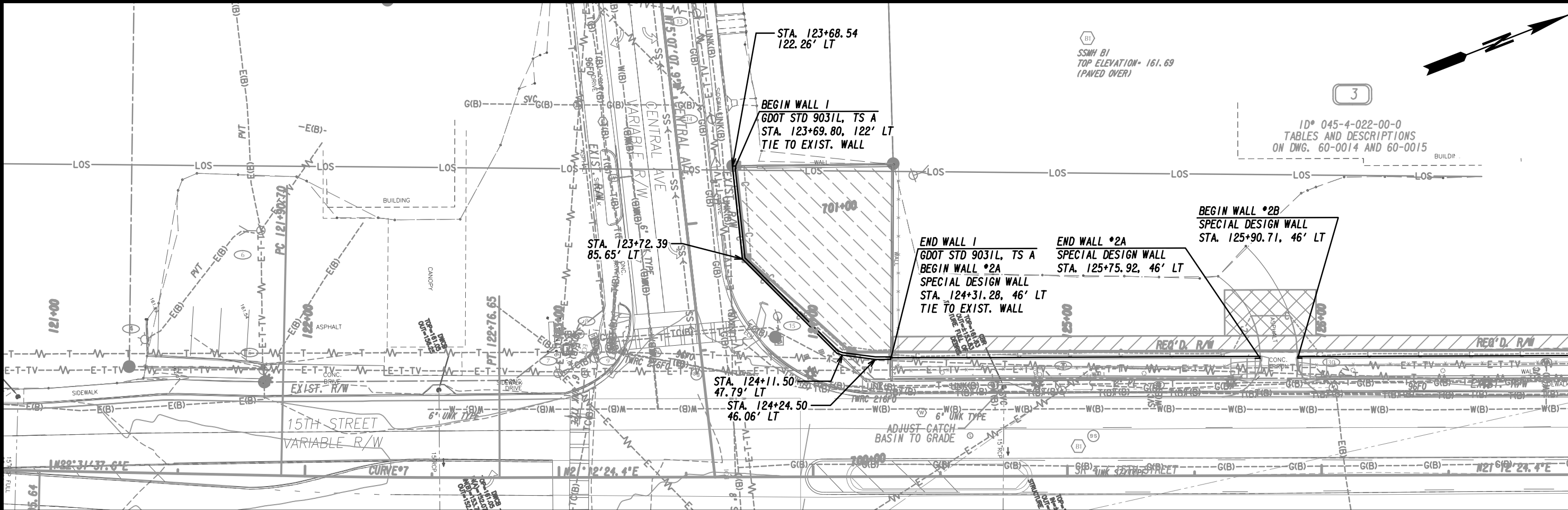
TREE SELECTION NOTES:

4. TREES SHALL BE 10" MINIMUM HEIGHT AND 3" MINIMUM CALIPER.
5. TREE SHOULD BE UNWRAPPED FOR EXAMINATION. STEMS SHOULD BE WRAPPED FOR SHIPMENT AND INSTALLATION. REMOVE WRAP PROMPTLY.
6. TREE SHOULD HAVE BEEN PROPERLY TARGET PRUNED -NEVER FLUSH CUT, TRIMMED, ROUNDED-OVER, HEDGED, TIPPED OR TOPPED.
7. TREE SHOULD BE FULLY OPEN-GROWN FOR WIND-FIRMNESS.
8. TREE SHOULD HAVE A ROOT BALL SIZE THAT IS MINIMAL. MEETS NURSERY STANDARDS. STRIVE FOR A ROOT BALL AT 150% OF STANDARD ROOT BALL SIZE. ROOT BALL SHOULD BE LIFTED AND CONTAINED TO MINIMIZE AIR EXPOSURE AND ROOT DAMAGE.
9. TREE SHOULD HAVE BEEN ROOT PRUNED ONE OR MORE TIMES. THE LAST ROOT PRUNING SHOULD HAVE OCCURRED AT LEAST ONE FULL GROWING SEASON BEFORE INSTALLATION.
10. TREE SHOULD HAVE A GOOD CROWN SHAPE AND COLOR (IF EVERGREEN).
11. TREE SHOULD BE ENTIRELY FREE FROM PEST SIGNS AND SYMPTOMS.
12. TREE SHOULD SHOW VIGOROUS AND SUBSTANTIAL GROWTH FOR AT LEAST THE LAST TWO GROWING SEASONS.
13. TREE SHOULD BE CERTIFIED IN WRITING AS TO SCIENTIFIC NAME, VARIETY, AND/OR CULTIVAR NAME.
14. TREE SHOULD HAVE A SINGLE DOMINANT LEADER WITH NO SIDE BRANCHES TALLER THAN THE MAIN LEADER. TREE SHOULD NOT HAVE A FLAT TOP.
15. TREE SHOULD HAVE APPROXIMATELY TWO-THIRDS OF ITS HEIGHT IN LIVING BRANCHES.
16. TREE SHOULD HAVE BRANCHES DISTRIBUTED ALONG THE STEM IN AN ALTERNATING PATTERN AND NOT OCCURRING HORIZONTALLY OPPOSITE EACH OTHER ACROSS THE STEM.
17. TREE SHOULD HAVE NO BASAL, STEM OR MAIN ROOT BASE SCARS.
18. TREE SHOULD HAVE NO STUB OR TIP CUTTING WOUNDS.
19. TREE SHOULD NOT HAVE ANY VISIBLE BRANCH STUBS OR INTERNODAL CUTS PRESENT.
20. TREE SHOULD HAVE NO FORKS OR DEAD LEADERS EVEN ON OPPOSITE BRANCHING SPECIES.
21. TREE SHOULD HAVE NO BARK DAMAGE.
22. TREE SHOULD NOT HAVE BEEN STAKED IN THE NURSERY.
23. TREE SHOULD NOT HAVE BEEN TREATED AT ANY TIME WITH WOUND PAINT.
24. TREES SHOULD NOT HAVE ALL BRANCHES GROWING FROM A SINGLE AREA ON THE STEM (CLUSTERED OR CROWNED). TREES WITH BRANCHES NORMALLY GROWING IN WHORLS SHOULD HAVE ONLY 3-4 BRANCHES PER WHORL.
25. TREE SHOULD NOT APPEAR "LEGGY" OR EXCESSIVELY SLENDER. TREE MUST STAND ON ITS OWN AND RESIST WIND DEFLECTION.
26. TREE SHOULD HAVE NO NARROW CROTCHES WITH INCLUDED BARK.
27. TREE SHOULD HAVE NO SIDE BRANCHES TALLER THAN THE MAIN LEADER.
28. TREE SHOULD NOT BE LEANING OR HAVE SIGNIFICANT SWEEP, CROOK OR BEND.
29. TREE SHOULD HAVE NO BRANCH MORE THAN ONE-HALF THE DIAMETER OF THE MAIN LEADER.
30. TREE SHOULD NOT HAVE BIVALVE SPROUTS OR FIRST-YEAR STEM SPROUTS.
31. TREE SHOULD NOT HAVE PROTRUDING WOUND AREAS OR BRANCH BASES.
32. TREE SHOULD NOT HAVE VERTICAL CRACK CLOSURES OVER OLD WOUNDS. PROPER PRUNING WOUND CLOSURES SHOULD BE CIRCULAR.
33. TREE SHOULD NOT HAVE BRANCHES THAT CROSSOVER EACH OTHER OR RUB AGAINST EACH OTHER.
34. TREE SHOULD NOT HAVE BRANCHES GROWING UPWARD INSIDE THE CROWN.
35. TREE SHOULD NOT HAVE LARGE ROOTS CUT CLOSE TO THE ROOT CROWN/STEM BASE.

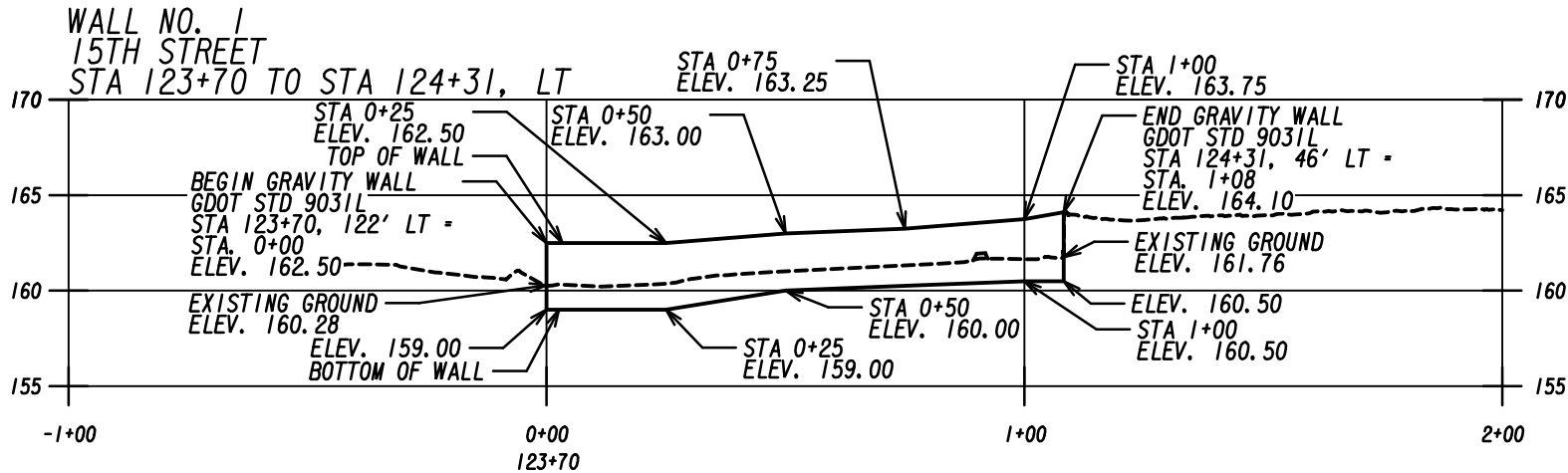
LANDSCAPE INSTALLATION NOTES:

1. THE LANDSCAPE CONTRACTOR SHALL LOCATE AND VERIFY THE EXISTENCE OF ALL UTILITIES PRIOR TO STARTING WORK.
2. THE LANDSCAPE CONTRACTOR SHALL SUPPLY ALL PLANT MATERIAL IN QUANTITIES SUFFICIENT TO COMPLETE THE PLANTING SHOWN ON ALL DRAWINGS.
3. ALL MATERIAL SHALL CONFORM TO THE GUIDELINES ESTABLISHED BY THE CURRENT AMERICAN STANDARDS FOR NURSERY STOCK, PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN.
4. NO PLANT SHALL BE PUT INTO THE GROUND BEFORE ROUGH GRADING IS COMPLETE AND APPROVED BY THE PROJECT LANDSCAPE ARCHITECT OR EQUAL.
5. ALL PLANTS SHALL BEAR THE SAME RELATIONSHIP TO FINISHED GRADE AS THE PLANT'S ORIGINAL GRADE BEFORE DIGGING.
6. ALL PLANTS SHALL BE BALLED AND WRAPPED OR CONTAINER GROWN AS SPECIFIED. NO CONTAINER GROWN STOCK WILL BE ACCEPTED IF IT IS ROOT BOUND, ALL ROOT WRAPPING MATERIAL MADE OF SYNTHETIC OR PLASTICS SHALL BE REMOVED AT THE TIME OF PLANTING.
7. PRIOR TO PLANTING, THE LOCATION OF TREES SHALL BE STAKED AND ALL PLANT MATERIAL SHALL BE INSPECTED FOR APPROVAL BY THE PROJECT LANDSCAPE ARCHITECT OR EQUAL. NO PLANT MATERIAL WILL BE ACCEPTED IF IT IS DAMAGED, DISEASED OR INADEQUATE IN SIZE AS SPECIFIED ON PLANS. SUBSTITUTIONS DUE TO AVAILABILITY MUST BE APPROVED BY THE LANDSCAPE ARCHITECT.
8. PRUNE OUT ANY TALL SHOOTS, DEAD WOOD OR SUCKERS.
9. ALL PLANTS SHALL BE INSTALLED AS PER DETAILS.
10. THE LANDSCAPE CONTRACTOR SHALL PROVIDE FERTILIZER, PRE-EMERGENT HERBICIDE, LIME, TOPSOIL AND PLANTING MIXTURE AS PER THE PLANTING SOIL MIX NOTE.
11. BEDLINES SHALL HAVE A 3" DEEP SHOULDER CUT TRENCH EDGE WHERE MULCH MEETS GRASS, CONCRETE WALKS OR CURBS UNLESS OTHERWISE SPECIFIED. BEDLINES SHALL BE SMOOTH AND CONTINUOUS AND BE WITHIN A REASONABLE LOCATION AND SHAPE AS ILLUSTRATED ON PLANS.
12. ALL PLANTING AREAS SHOULD HAVE POSITIVE DRAINAGE TO DISCOURAGE SATURATED ROOT SYSTEMS.
13. PLACE 3" OF DYE-FREE DOUBLE HAMMERED HARDWOOD MULCH OVER ALL PLANTING BEDS; TUCK MULCH UNDER PLANTS AND INTO BEDLINE TRENCHES PER PLAN SPECIFICATIONS. DO NOT COVER ROOT FLARES WITH MULCH.
14. LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR CLEAN UP OF ALL CONTAINERS, PLANT TAGS, NURSERY STAKING MATERIALS, RIBBONS, PALLETS, DEBRIS, ETC. RESULTING FROM HIS OR HER WORK.
15. ALL MULCH RINGS SHALL BE 5" DIAMETER.
16. ALL AREAS TO BE GRASSED SHALL BE SEEDED OR SODDED PER THE PLANT SCHEDULE AND THE PERMANENT GRASSING NOTE.

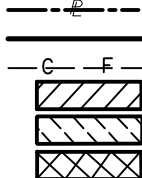
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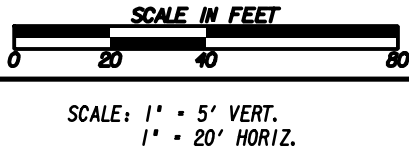
SEE SHEET 23-0012 FOR CROSS SECTIONS



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



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



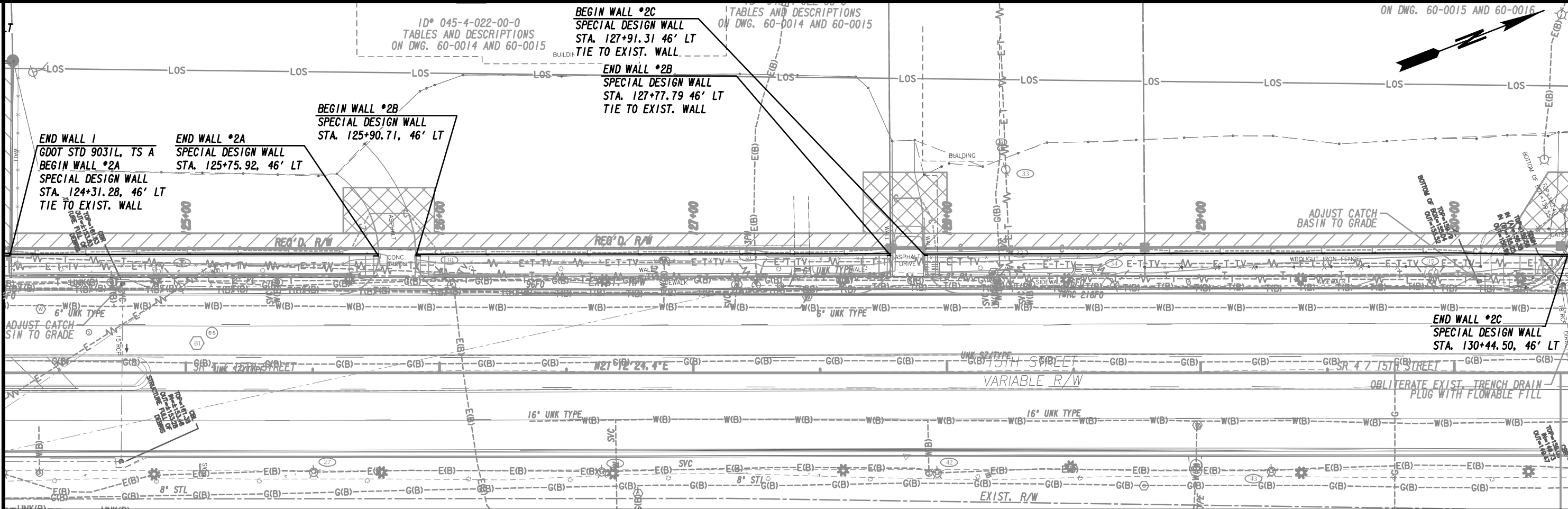
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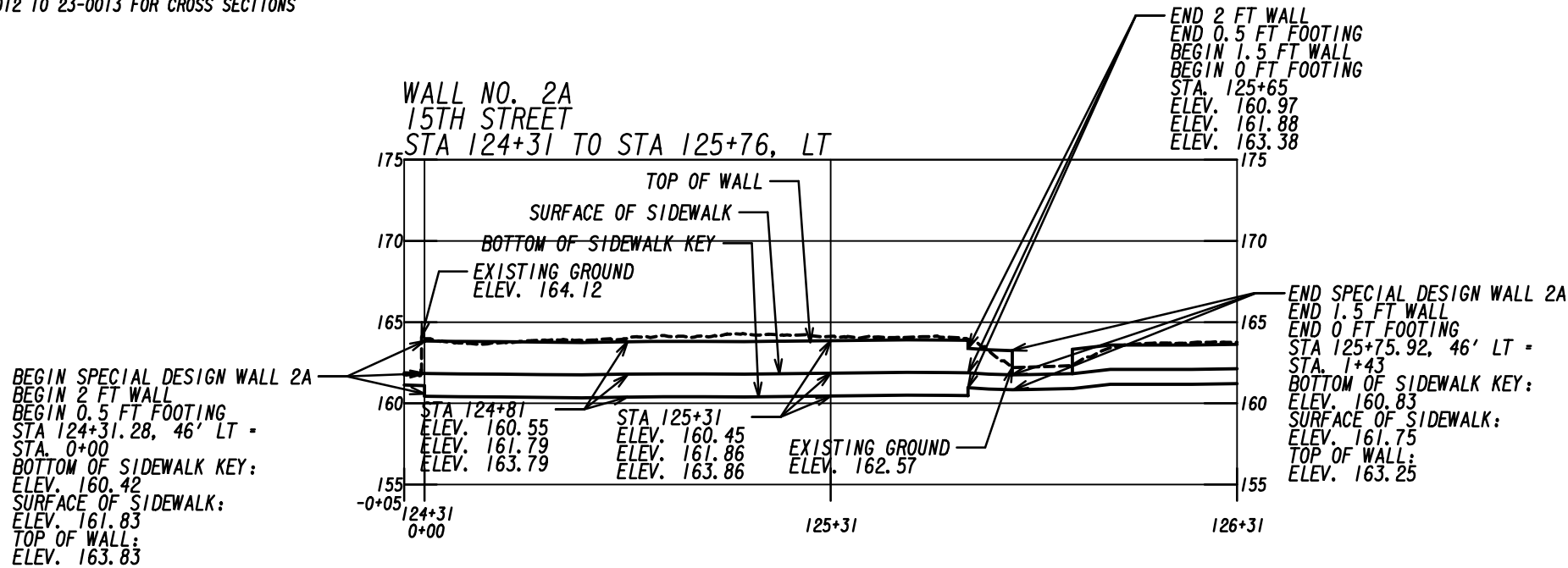
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15TH ST. PEDESTRIAN IMPROVEMENTS FROM
GOVERNMENT RD. TO LANEY WALKER BLVD.

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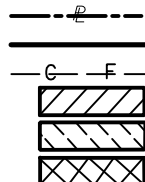
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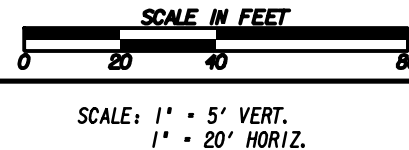
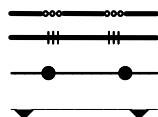
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CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES



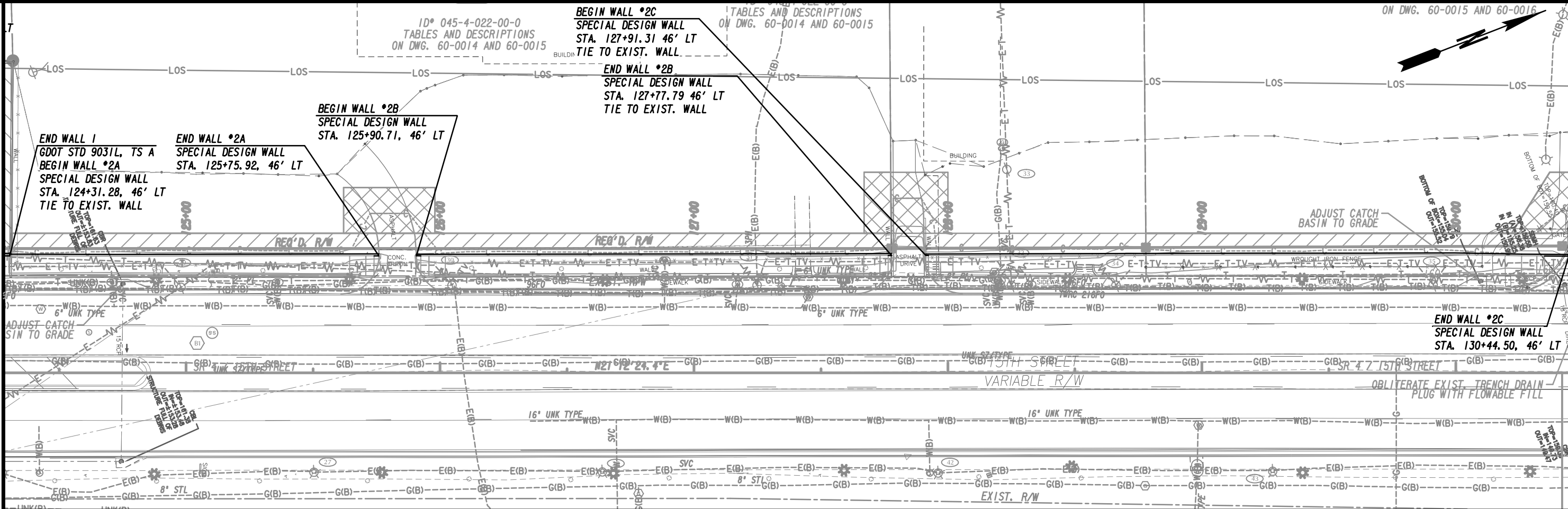
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ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
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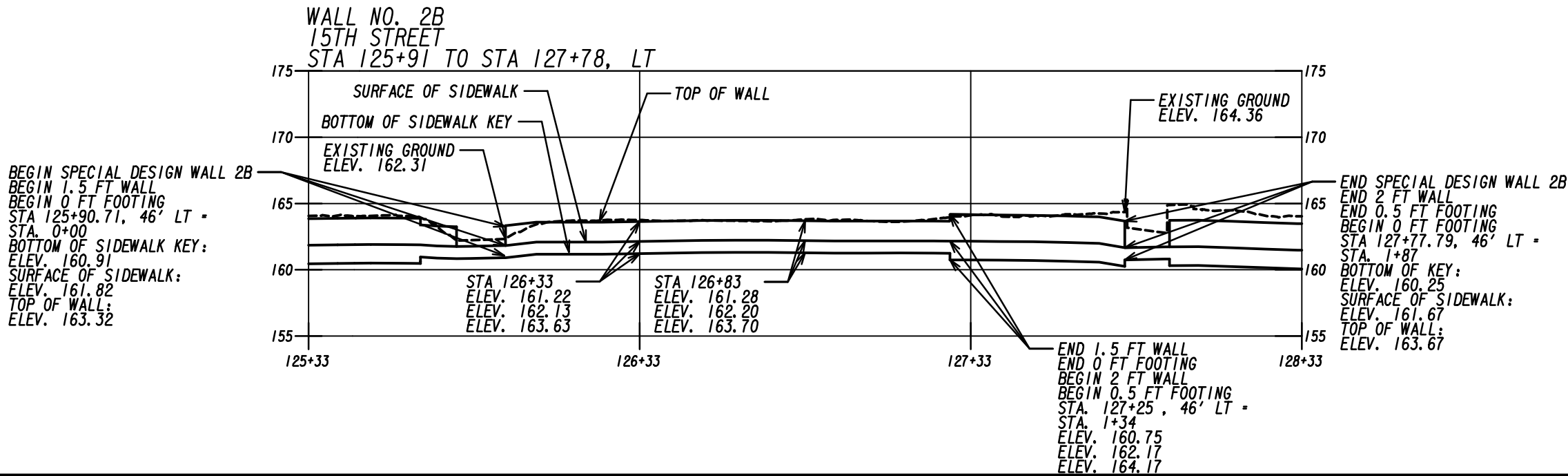
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RETAINING WALL ENVELOPES
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SEE SHEETS 23-0013 TO 23-0014 FOR CROSS SECTIONS



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

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

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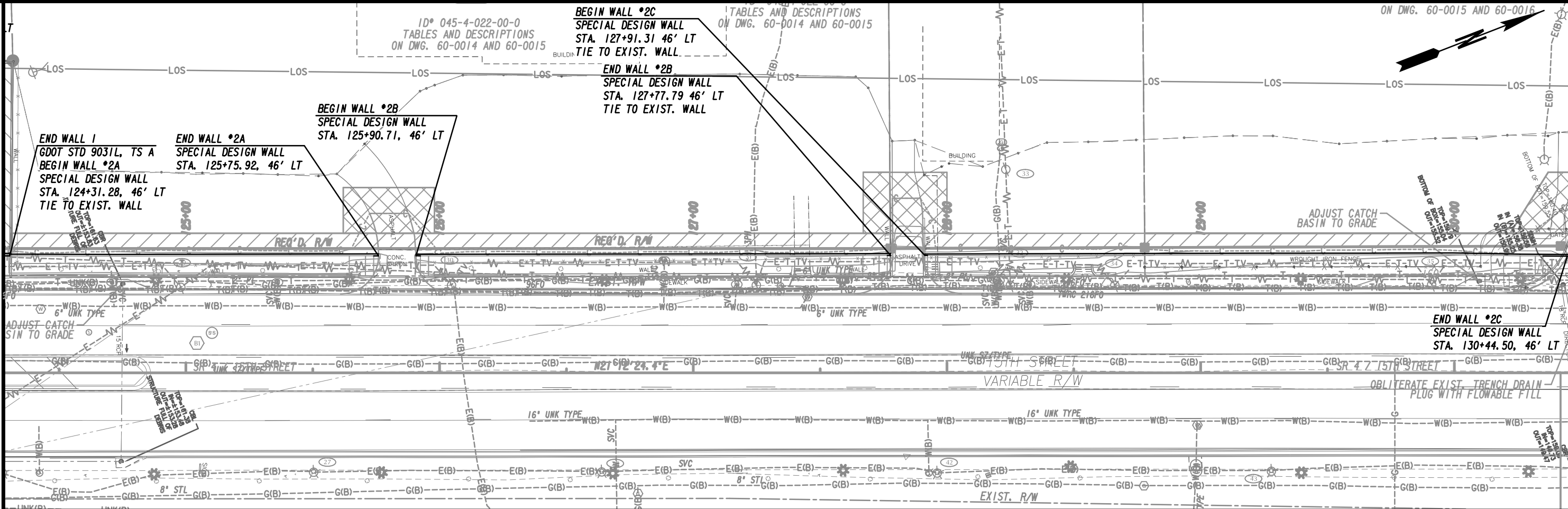
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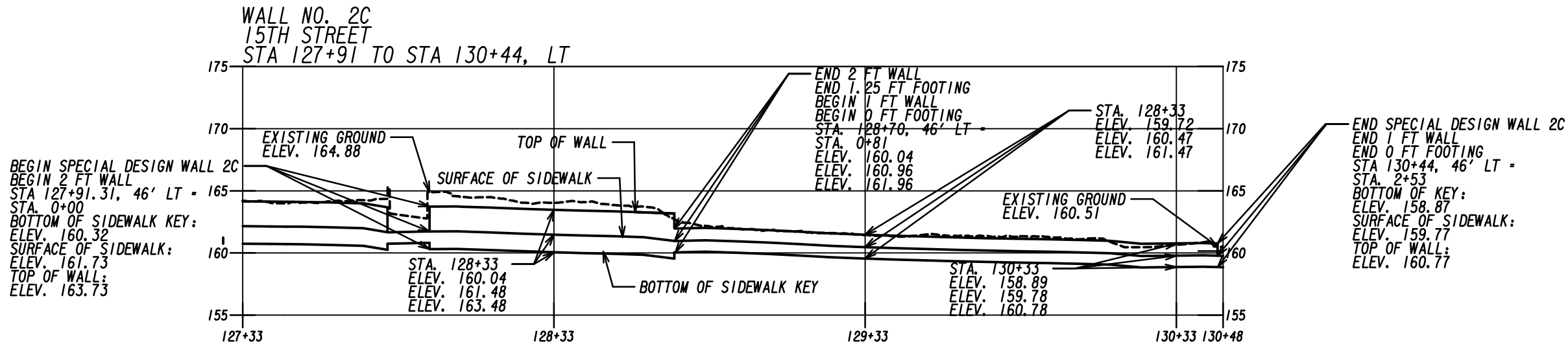
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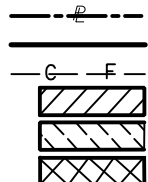
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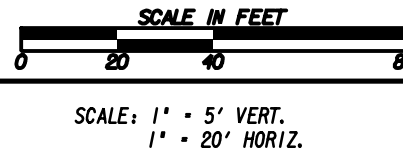
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PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES



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



REVISION DATES

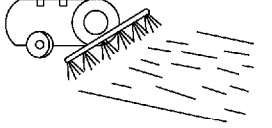
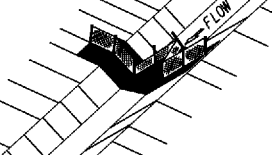
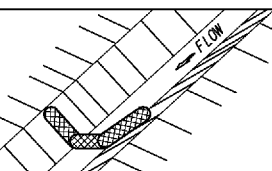
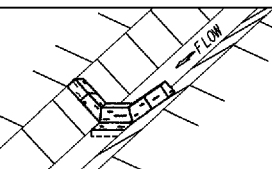
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GOVERNMENT RD. TO LANEY WALKER BLVD.

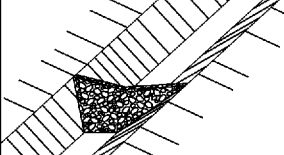
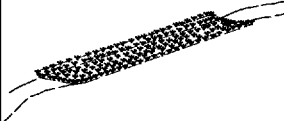
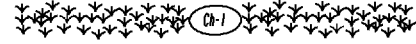
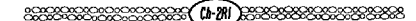
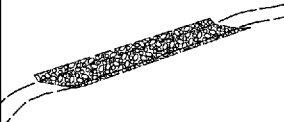
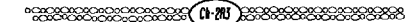
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CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
	ORANGE BARRIER FENCE		ORANGE BARRIER FENCE DELINEATES ENVIRONMENTALLY SENSITIVE AREAS WHERE THE CONTRACTOR SHALL NOT CLEAR, GRUB, OR PLACE CONSTRUCTION MATERIALS OR EQUIPMENT WITHIN THIS AREA.
	LINE CODE	 ORANGE BARRIER FENCE	
ESA	ENVIRONMENTALLY SENSITIVE AREA		AN ENVIRONMENTALLY SENSITIVE AREA (ESA) CONTAINS RESOURCES THAT ARE ENVIRONMENTALLY, CULTURALLY, OR HISTORICALLY SENSITIVE. ESAs INCLUDE, BUT ARE NOT LIMITED TO: STATE WATER BUFFERS, HISTORIC SITES, ARCHAEOLOGICAL SITES, AND PROTECTED ANIMAL AND PLANT SPECIES HABITATS. IF WORK IS AUTHORIZED IN THIS AREA, THE WORK MUST BE PERFORMED IN ACCORDANCE WITH SECTION 107 AND ANY OTHER APPLICABLE SPECIAL PROVISIONS AND APPLICABLE PLAN NOTES.
	LINE CODE	 ESA-25'(OR 50')STREAM BUFFER, ETC.	
Bf	BUFFER ZONE		A STRIP OF UNDISTURBED ORIGINAL VEGETATION, ENHANCED OR RESTORED EXISTING VEGETATION, OR THE RE-ESTABLISHMENT OF VEGETATION SURROUNDING AN AREA OF DISTURBANCE OR BORDERING STREAMS, PONDS, WETLANDS, LAKES, AND COASTAL WATERS. WHEN NECESSARY, BUFFER ZONES ARE TO BE PROTECTED BY ORANGE BARRIER FENCE.
	SYMBOL		
Ds1	MULCH		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.
	SECTION 163	SYMBOL 	
Ds2	TEMPORARY GRASSING		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.
	SECTION 163, 700	SYMBOL 	

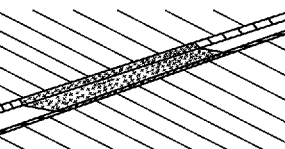
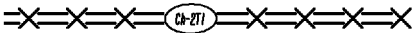
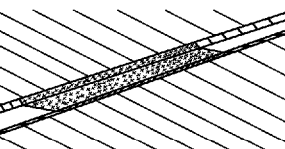
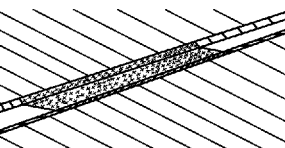
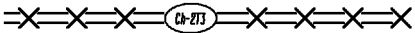
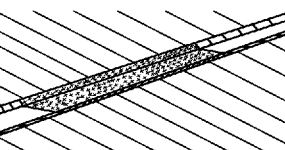
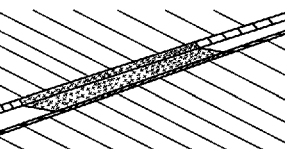
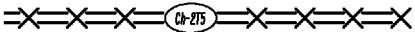
CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ds3	PERMANENT GRASSING		THE SOWING OF PERMANENT VEGETATION, SUCH AS GRASS, SUITABLE TO THE AREA AND SEASON. PERMANENT VEGETATION SHALL BE USED ON ALL PROJECTS ACCORDING TO THE STANDARD SPECIFICATION. THE BMP SYMBOL FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.
	SECTION 700	SYMBOL 	
Ds4	SODDING		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.
	CONSTRUCTION DETAIL D-54 SECTION 700, 890	PATTERN 	
F1-Co	FLOCCULANTS COAGULANTS		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.
	SECTION 163, 700, 895	SYMBOL POLYACRYLAMIDE	
Sb	STREAMBANK STABILIZATION		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.
	SECTION 702	PATTERN 	

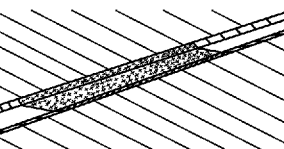
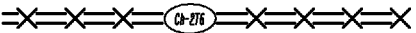
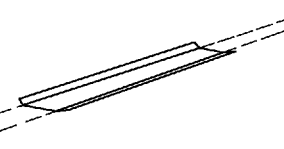
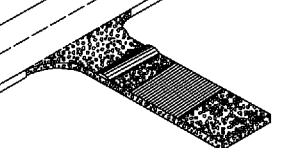
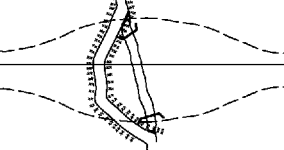
- NOTE:
- DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
 - FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

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  POLYACRYLAMIDE	
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 CONSTRUCTION DETAIL D-56 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-I	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".

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.

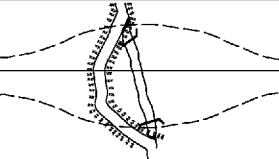
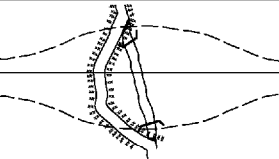
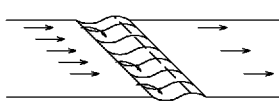
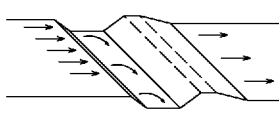
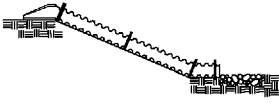
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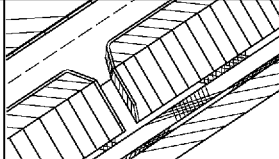
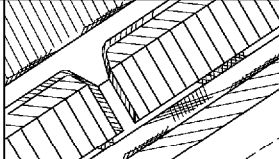
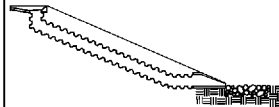
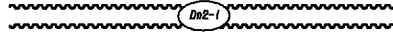
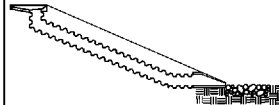
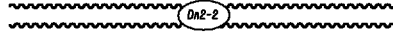
- DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
- FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".



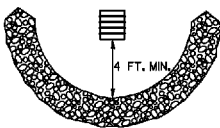
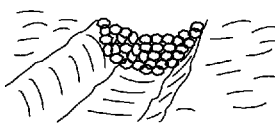
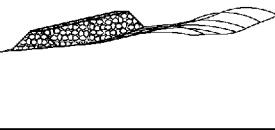
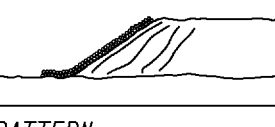
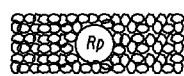
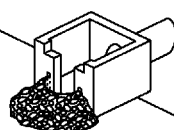
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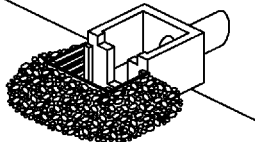
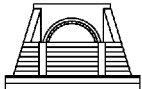
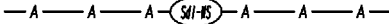
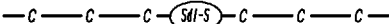
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3/2/2017				UNIFORM CODE SHEET			
				SHEET 3 OF 7			
CHECKED:	D. EAGLETON	DATE:	01/01/16	DRAWING No.			
BACKCHECKED:		DATE:		52-0003			
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CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
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.
	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.
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.
	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.
D1-1	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 		
D1-2	DIVERSION CHANNEL SECTION 205		A DESIGNED TEMPORARY OR PERMANENT CHANNEL WITH A COMPACTED SUPPORTING RIDGE ON THE LOWER SIDE TO DIVERT OFFSITE RUNOFF AWAY FROM DISTURBED AREAS WITHIN THE PROJECT AREA. CHANNEL FOR OFFSITE RUNOFF SHALL BE STABILIZED WITH APPROPRIATE CHANNEL STABILIZATION. REFER TO THE LATEST EDITION OF THE 'MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA' FOR DESIGN CRITERIA. A DIVERSION CHANNEL DETAIL MUST ALSO BE PROVIDED IN THE ESPCP.
	LINE CODE 		RUNOFF FROM DISTURBED AREAS WITHIN THE PROJECT AREA SHALL NOT BE ALLOWED TO CONVERGE WITH OFFSITE RUNOFF WITHIN THIS DIVERSION.
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'.
	LINE CODE 		THE OUTLET AREA SHALL BE STABILIZED FOR VELOCITY DISSIPATION AND EROSION CONTROL.

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Dn2-A	PERMANENT DOWNDRAIN STRUCTURE CONCRETE CONSTRUCTION DETAIL D-9 SECTION 441		A CONCRETE FLUME TYPE 'A' IS USED TO DIRECT SURFACE RUNOFF DOWN A ROADWAY SLOPE INTO ANOTHER FORM OF CONTROL. IT IS USED IN ALL DEPRESSED AREAS WHERE WATER WILL FLOW DOWN THE SLOPE. IT IS DESIGNED FOR A 25-YEAR STORM AND MUST HAVE SOME FORM OF OUTLET PROTECTION. ADDITIONAL LABELING IS NOT REQUIRED IF SHOWN AS A PERMANENT DRAINAGE STRUCTURE ON THE CONSTRUCTION PLANS. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OTHER CRITERIA).
	LINE CODE 		
Dn2-B	PERMANENT DOWNDRAIN STRUCTURE CONCRETE CONSTRUCTION DETAIL D-9 SECTION 441		A CONCRETE FLUME TYPE 'B' IS USED TO DIRECT SURFACE DITCH RUNOFF DOWN A BACK SLOPE INTO ANOTHER FORM OF CONTROL. IT IS USED IN DEPRESSED AREAS WHERE CONCENTRATED OFFSITE WATER REACHES THE CUT SLOPE. IT IS DESIGNED TO SAFELY CONVEY WATER DOWN THE CUT SLOPE. IT IS DESIGNED FOR A 25-YEAR STORM AND MUST HAVE SOME FORM OF OUTLET PROTECTION. ADDITIONAL LABELING IS NOT REQUIRED IF SHOWN AS A PERMANENT DRAINAGE STRUCTURE ON THE CONSTRUCTION PLANS. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OR OTHER CRITERIA).
	LINE CODE 		
Dn2-1	PERMANENT DOWNDRAIN STRUCTURE GA. STD 9013 TP1, 9017J TP1, DETAIL D-26 TP1 SECTION 576, 577		CONCRETE DRAIN INLET WITH METAL PIPE IS USED TO DRAIN CURBS, ON A GRADE, DOWN TO A LOWER ELEVATION. THIS IS A PERMANENT STRUCTURE, REQUIRING OUTLET PROTECTION, TEMPORARY AND PERMANENT. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OR OTHER CRITERIA).
	LINE CODE 		
Dn2-2	PERMANENT DOWNDRAIN STRUCTURE GA. STD 9013 TP2, 9017J TP2, DETAIL D-26 TP2 SECTION 576, 577		CONCRETE DRAIN INLET AND METAL PIPE IS USED TO DRAIN CURB, IN A SAG, DOWN TO A LOWER ELEVATION. THIS IS A PERMANENT STRUCTURE, REQUIRING OUTLET PROTECTION, TEMPORARY AND PERMANENT. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OR OTHER CRITERIA).
	LINE CODE 		

- NOTE:
- 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'.

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. ROCK FILTER DAMS SHOULD BE USED IN DITCHES PRIOR TO DISCHARGING INTO STREAMS, WETLANDS, OPEN-WATERS, OR OTHER ESAs.
	SYMBOL 		
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 Rt-Sg2 Rt-Sg3	RETROFITTING SILT CONTROL GATES CONSTRUCTION DETAIL D-20 SECTION 163	 FRONT VIEW	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
	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 		

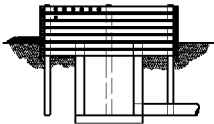
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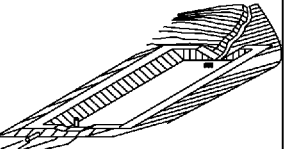
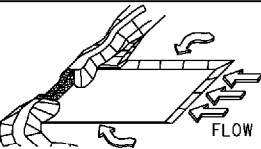
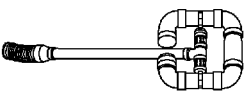
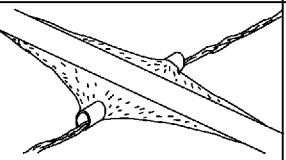
- DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
- FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".



NO SCALE

REVISION DATES			EROSION CONTROL LEGEND		
3/2/2017			UNIFORM CODE SHEET		
			SHEET 5 OF 7		
CHECKED:	D. EAGLETON	DATE: 01/01/16	DRAWING No.		
BACKCHECKED:		DATE:	52-0005		
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CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Sd1-BB	SEDIMENT BARRIER BRUSH BARRIER CONSTRUCTION DETAIL D-24B SECTION 201		THIS ITEM CONSISTS OF 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.
	LINE CODE * * * Sd1-BB * * *		TYPICALLY NOT SHOWN ON PLANS. PAYMENT FOR THIS ITEM IS INCLUDED IN THE CLEARING AND GRUBBING COST. NO SEPARATE PAYMENT SHALL BE MADE.
Sd2-B	INLET SEDIMENT TRAP (BAFFLE BOX) CONSTRUCTION DETAIL D-42 SECTION 163		BAFFLE BOX INLET SEDIMENT TRAP USED FOR INLETS RECEIVING HIGH FLOW RATE AND/OR VELOCITY. A GUIDE FOR USE WILL BE FOR AN INLET RECEIVING FLOW RATES 7 cfs AND GREATER.
	SYMBOL Sd2-B		
Sd2-Bg	INLET SEDIMENT TRAP (BLOCK & GRAVEL) CONSTRUCTION DETAIL D-43 SECTION 163		BLOCK AND GRAVEL DROP INLET PROTECTION USED FOR WHERE HEAVY FLOWS ARE EXPECTED AND WHERE OVERFLOW CAPACITY IS NECESSARY TO PREVENT EXCESSIVE PONDING AROUND THE STRUCTURE. CAN BE USED AT CULVERT INLETS. A GUIDE FOR USE WILL BE FOR AN INLET RECEIVING FLOW RATES THAT RANGE FROM 5 - 7 cfs.
	SYMBOL Sd2-Bg		
Sd2-F	INLET SEDIMENT TRAP (FILTER FABRIC) CONSTRUCTION DETAIL D-24C SECTION 163	 OR  OR 	(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%.
	SYMBOL Sd2-F		THIS ITEM IS USED TO PREVENT SILT FROM ENTERING THE PIPE SYSTEM. SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS. RECOMMENDED FOR INLET RECEIVING FLOW RATES THAT RANGE FROM 0 - 4 cfs.
Sd2-G	INLET SEDIMENT TRAP (GRAVEL) CONSTRUCTION DETAIL D42 SECTION 163		GRAVEL DROP INLET PROTECTION USED WHERE HEAVY CONCENTRATED FLOWS ARE EXPECTED. STONE AND GRAVEL ARE USED TO TRAP SEDIMENT. THE SLOPE TOWARD THE INLET SHALL BE NO MORE THAN 3:1. A GUIDE FOR USE WILL BE FOR AN INLET RECEIVING FLOW RATES THAT RANGE FROM 3 - 5 cfs.
	SYMBOL Sd2-G		

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Sd3	TEMPORARY SEDIMENT BASIN CONSTRUCTION DETAIL D-22A, D-22B SECTION 163		A BASIN CREATED BY EXCAVATING AN AREA, DAMMING CONCENTRATED FLOW, OR A COMBINATION OF BOTH. THE BASIN IS DESIGNED TO STORE 67 CUBIC YARDS OF SEDIMENT PER ACRE OF DRAINAGE AREA. THE DRAINAGE AREA SHOULD NOT EXCEED 150 ACRES. BASINS TYPICALLY CONSISTS OF A DAM, PRINCIPAL SPILLWAY, AND AN EMERGENCY SPILLWAY. A FLOATING SURFACE SKIMMER SHALL BE REQUIRED AS PART OF THE PRINCIPAL SPILLWAY UNLESS INFEASIBLE. SUFFICIENT RIGHT-OF-WAY OR EASEMENT IS NEEDED FOR BASIN CONSTRUCTION AND MAINTENANCE ACCESS.
	SYMBOL Sd3		SEDIMENT BASINS SHALL BE CONSIDERED ON ALL PROJECTS, BUT MAY NOT BE PRACTICAL. BASINS SHOULD BE LOCATED TO MINIMIZE INTERFERENCE WITH CONSTRUCTION ACTIVITIES AND UTILITIES. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA.
Sd4-C	ROCK OUTLET TEMPORARY SEDIMENT TRAP CONSTRUCTION DETAIL D-53 SECTION 163		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.
	SYMBOL Sd4-C		A TEMPORARY SEDIMENT BASIN SHALL BE EVALUATED PRIOR TO CONSIDERING A TEMPORARY SEDIMENT TRAP. A TEMPORARY SEDIMENT TRAP IS IDEAL FOR SMALL AREAS WITH NO UNUSUAL DRAINAGE FEATURES AND EFFECTIVE AGAINST COARSE SEDIMENT, BUT NOT AGAINST SILT OR CLAY PARTICLES THAT REMAIN SUSPENDED. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA.
Sk	FLOATING SURFACE SKIMMER CONSTRUCTION DETAIL D-22A, D-22B SECTION 163		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.
	SYMBOL Sk		SKIMMERS ARE ATTACHED TO A RISER WITHOUT PERFORATIONS AND ACTS AS THE PRIMARY SPILLWAY. THE SKIMMER BMP SYMBOL SHALL BE SHOWN IN CONJUNCTION WITH THE TEMPORARY SEDIMENT BASIN BMP SYMBOL WHEN APPLICABLE. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR ADDITIONAL INFORMATION.
Sr	TEMPORARY STREAM CROSSING SECTION 107		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.
	SYMBOL Sr		THIS BMP SHALL BE DESIGNED ACCORDING TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA". FOR CONTRACTOR'S USE ONLY!

NOTE:

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

2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

<i>CODE</i>	<i>PRACTICE STD OR DETAIL SPEC. SECT.</i>	<i>DETAIL</i>	<i>DESCRIPTION</i>

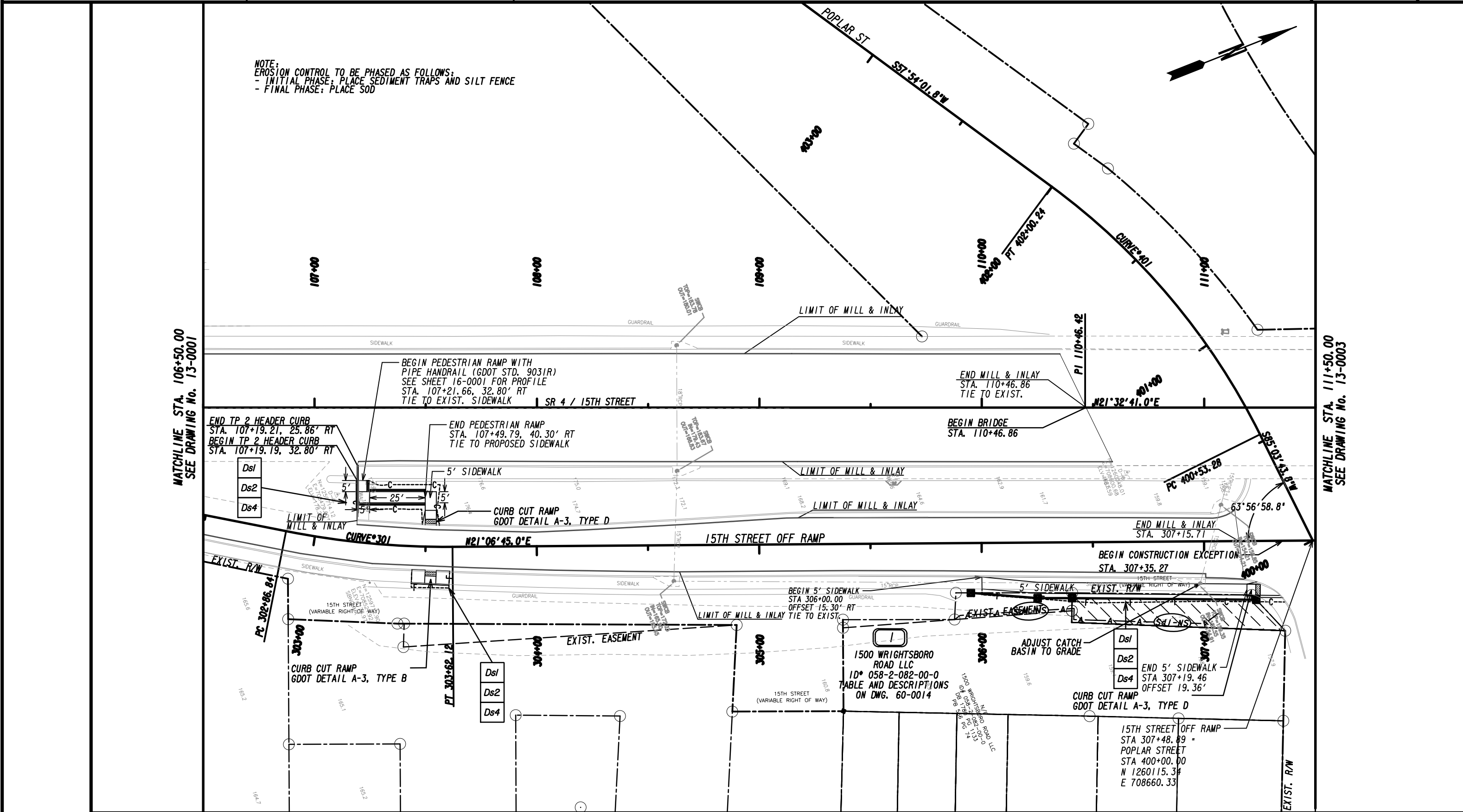
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PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

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

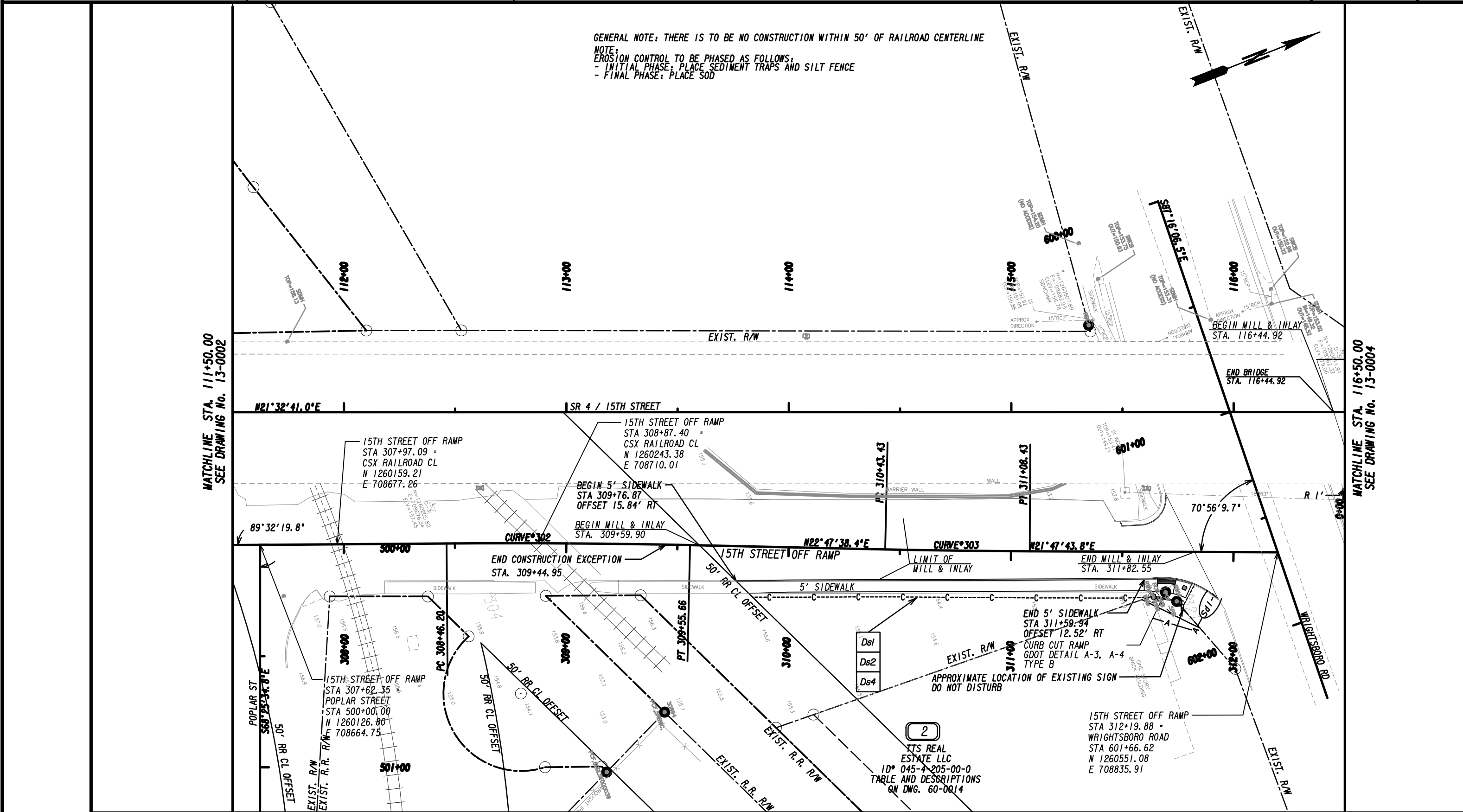
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Duluth, GA 30097
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REVISION DATES	

BMP LOCATION DETAILS 15TH ST. PEDESTRIAN IMPROVEMENTS FROM GOVERNMENT RD. TO LANEY WALKER BLVD.	
CHECKED:	DATE:
BACKCHECKED:	DATE:
CORRECTED:	DATE:
VERIFIED:	DATE:

DRAWING No.
54-0002



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

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

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Duluth, GA 30097
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SCALE IN FEET

0

20

40

60

80

REVISION DATES

NO.	DATE	DESCRIPTION

BMP LOCATION DETAILS
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GOVERNMENT RD. TO LANEY WALKER BLVD.

CHECKED:

DATE:

BACKCHECKED:

DATE:

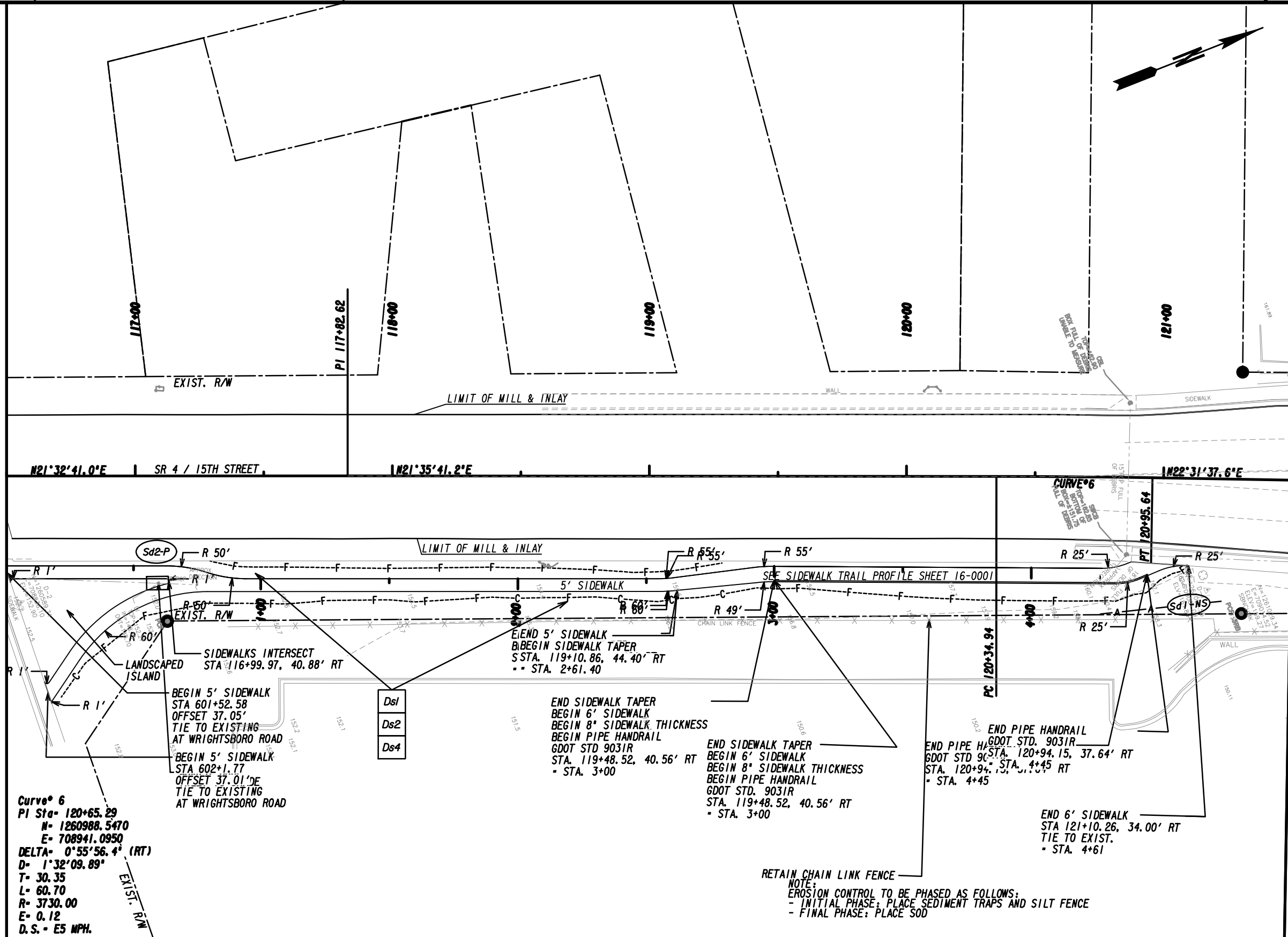
VERIFIED:

DATE:

DRAWING No.

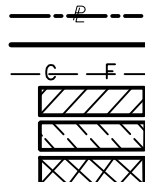
54- 0003

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SEE DRAWING No. 13-0003

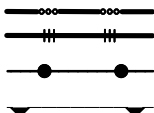


W/121+50.00
SEE DRAWING No. 13-0005

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



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



REVISION DATES

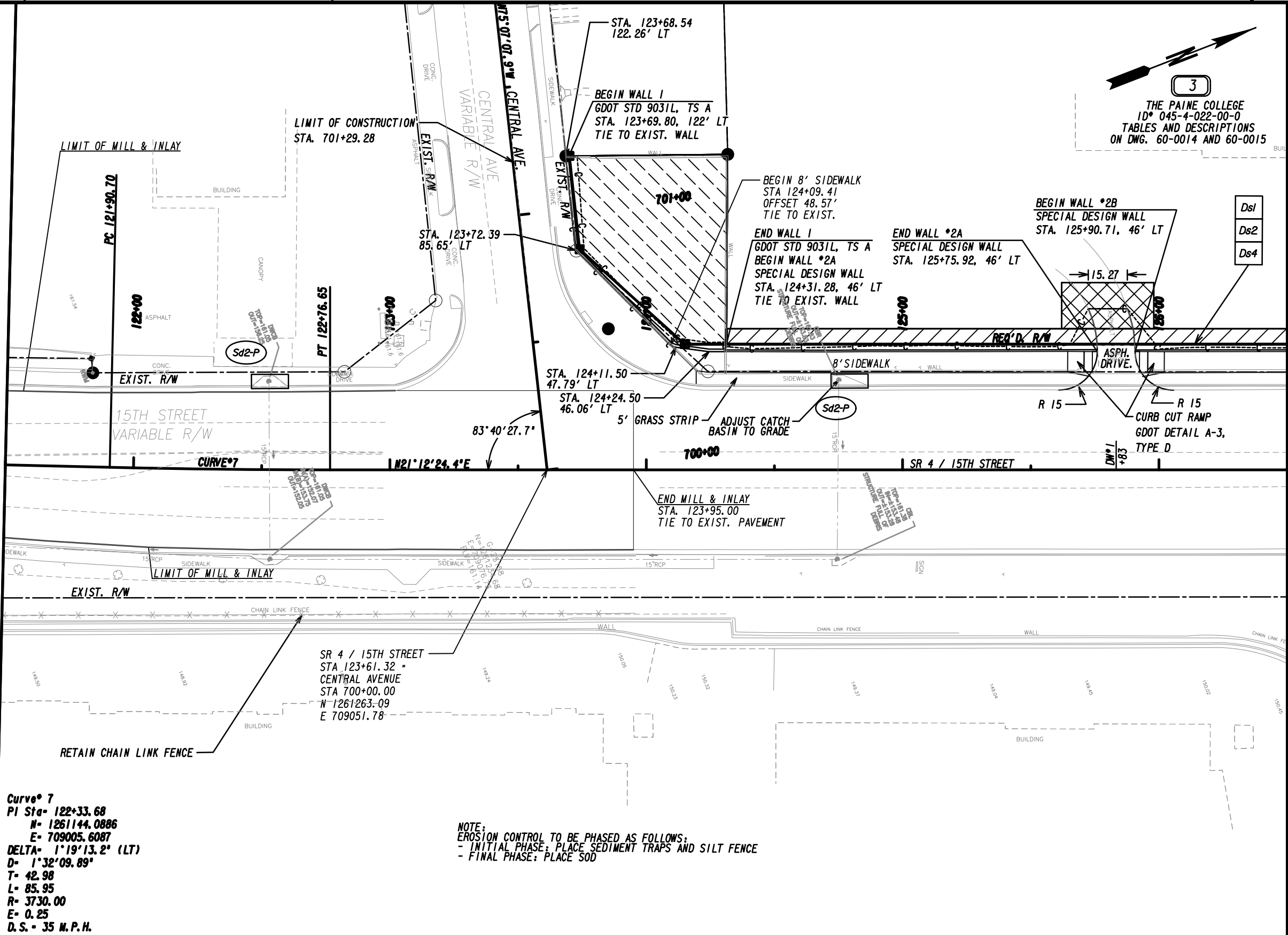
NO.	DATE	DESCRIPTION

BMP LOCATION DETAILS
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GOVERNMENT RD. TO LANEY WALKER BLVD.

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BACKCHECKED:	DATE:	54-0004
CORRECTED:	DATE:	
VERIFIED:	DATE:	

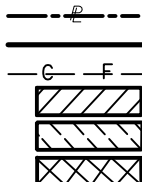
MATCHLINE STA. 121+50.00
SEE DRAWING No. 13-0004

MATCHLINE STA. 126+50.00
SEE DRAWING No. 13-0006

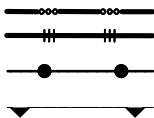


NOTE:
EROSION CONTROL TO BE PHASED AS FOLLOWS:
- INITIAL PHASE: PLACE SEDIMENT TRAPS AND SILT FENCE
- FINAL PHASE: PLACE SOD

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



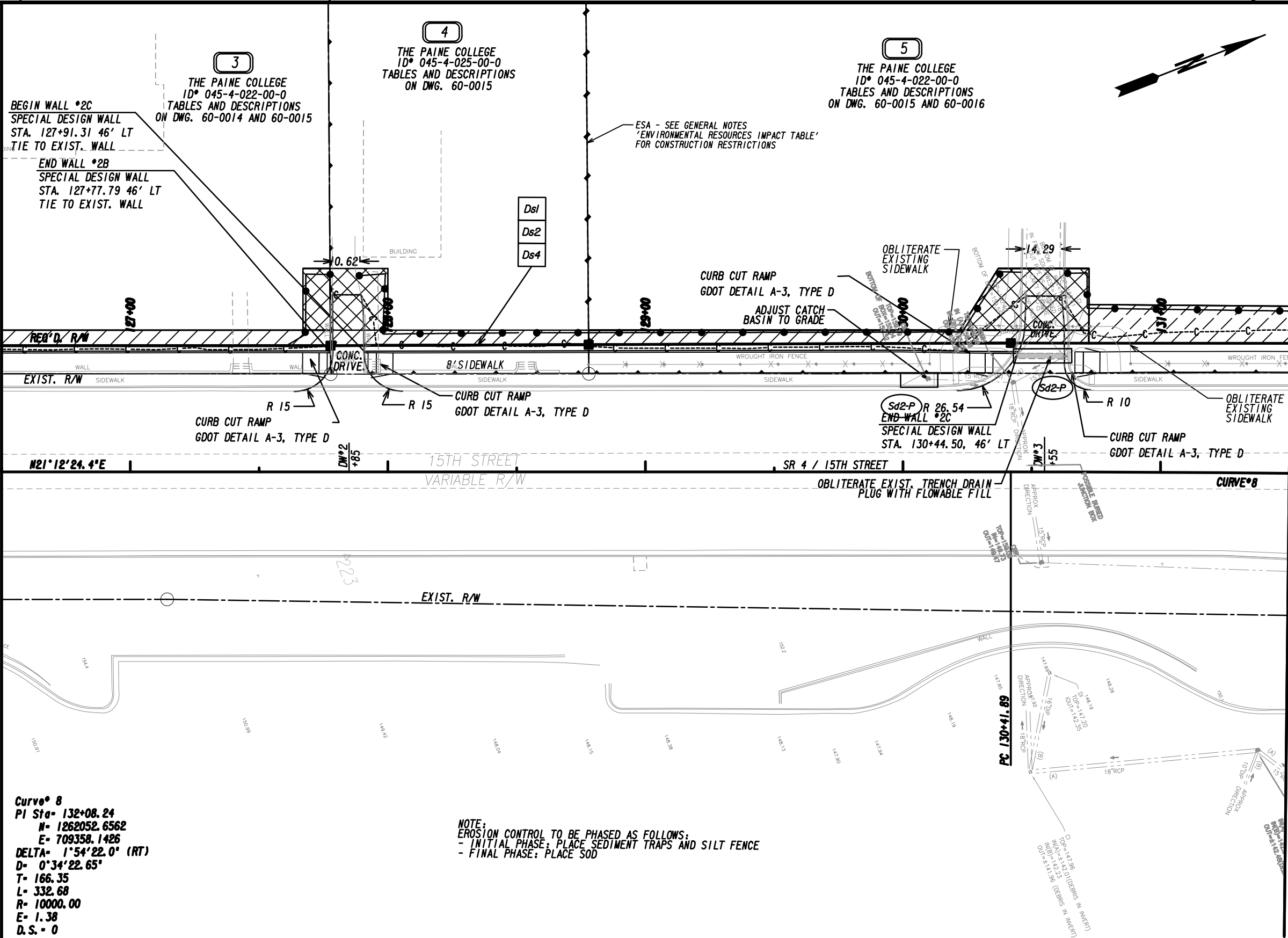
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END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)



REVISION DATES

BMP LOCATION DETAILS 15TH ST. PEDESTRIAN IMPROVEMENTS FROM GOVERNMENT RD. TO LANEY WALKER BLVD.			
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	54-0005	
CORRECTED:	DATE:		
VERIFIED:	DATE:		

MATCHLINE STA. 126+50.00
SEE DRAWING No. 13-0005

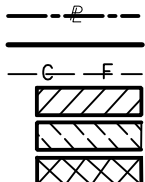


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SEE DRAWING No. 13-0007

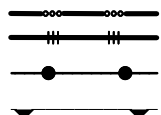
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DELTA= 1°54'22.0" (RT)
D= 0°34'22.65"
T= 166.35
L= 332.68
R= 10000.00
E= 1.38
D.S.= 0

NOTE:
EROSION CONTROL TO BE PHASED AS FOLLOWS:
- INITIAL PHASE: PLACE SEDIMENT TRAPS AND SILT FENCE
- FINAL PHASE: PLACE SOD

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



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

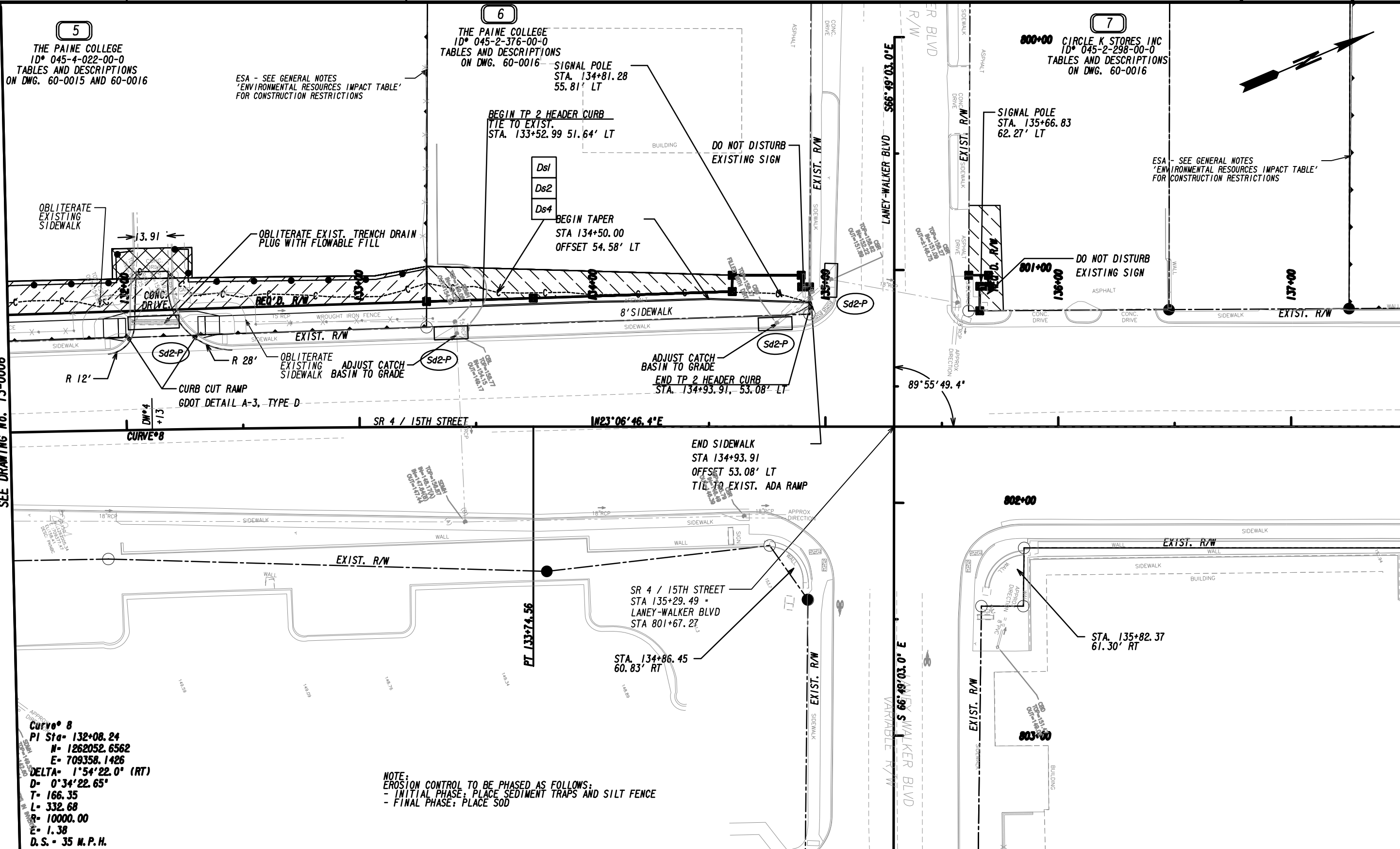


REVISION DATES

NO.	DATE	DESCRIPTION

BMP LOCATION DETAILS
15TH ST. PEDESTRIAN IMPROVEMENTS FROM
GOVERNMENT RD. TO LANEY WALKER BLVD.

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	54-0006
CORRECTED:	DATE:	
VERIFIED:	DATE:	



Curve 8
PI Sta= 132+08.24
N= 1262052.6562
E= 709358.1426
DELTA= 1°54'22.0" (RT)
D= 0°34'22.65"
T= 166.35
L= 332.68
R= 10000.00
E= 1.38
D.S. = 35 M.P.H.

NOTE:
EROSION CONTROL TO BE PHASED AS FOLLOWS:
- INITIAL PHASE: PLACE SEDIMENT TRAPS AND SILT FENCE
- FINAL PHASE: PLACE SOD

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 DRIVE

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

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SCALE IN FEET

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REVISION DATES

NO.	DATE	DESCRIPTION

BMP LOCATION DETAILS
15TH ST. PEDESTRIAN IMPROVEMENTS FROM
GOVERNMENT RD. TO LANEY WALKER BLVD.

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	54-0007
CORRECTED:	DATE:	
VERIFIED:	DATE:	

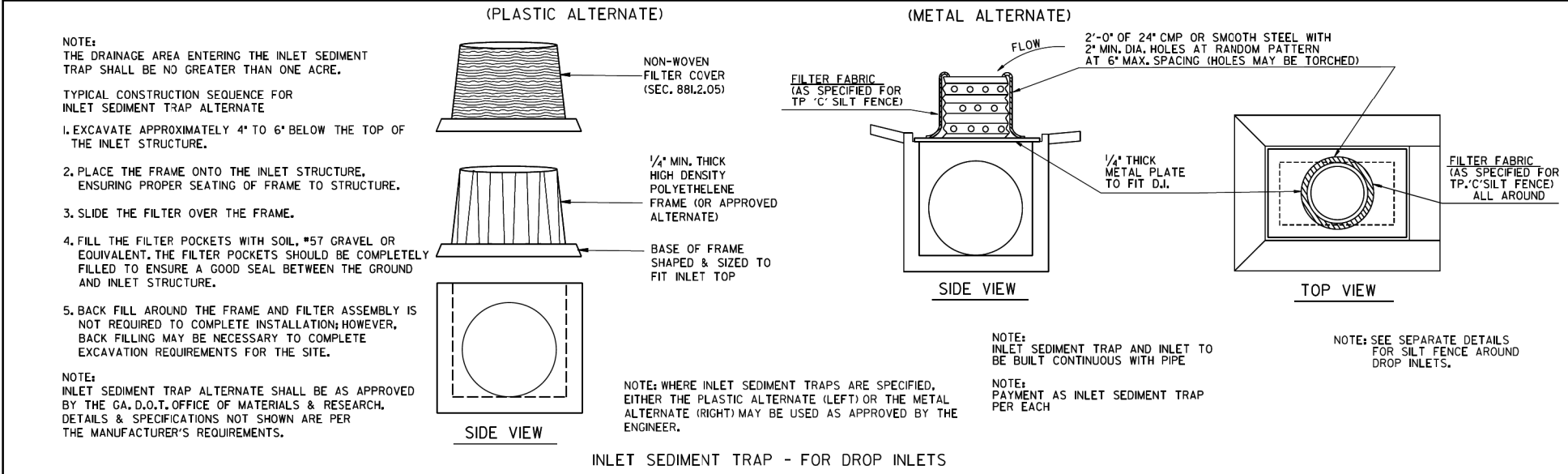
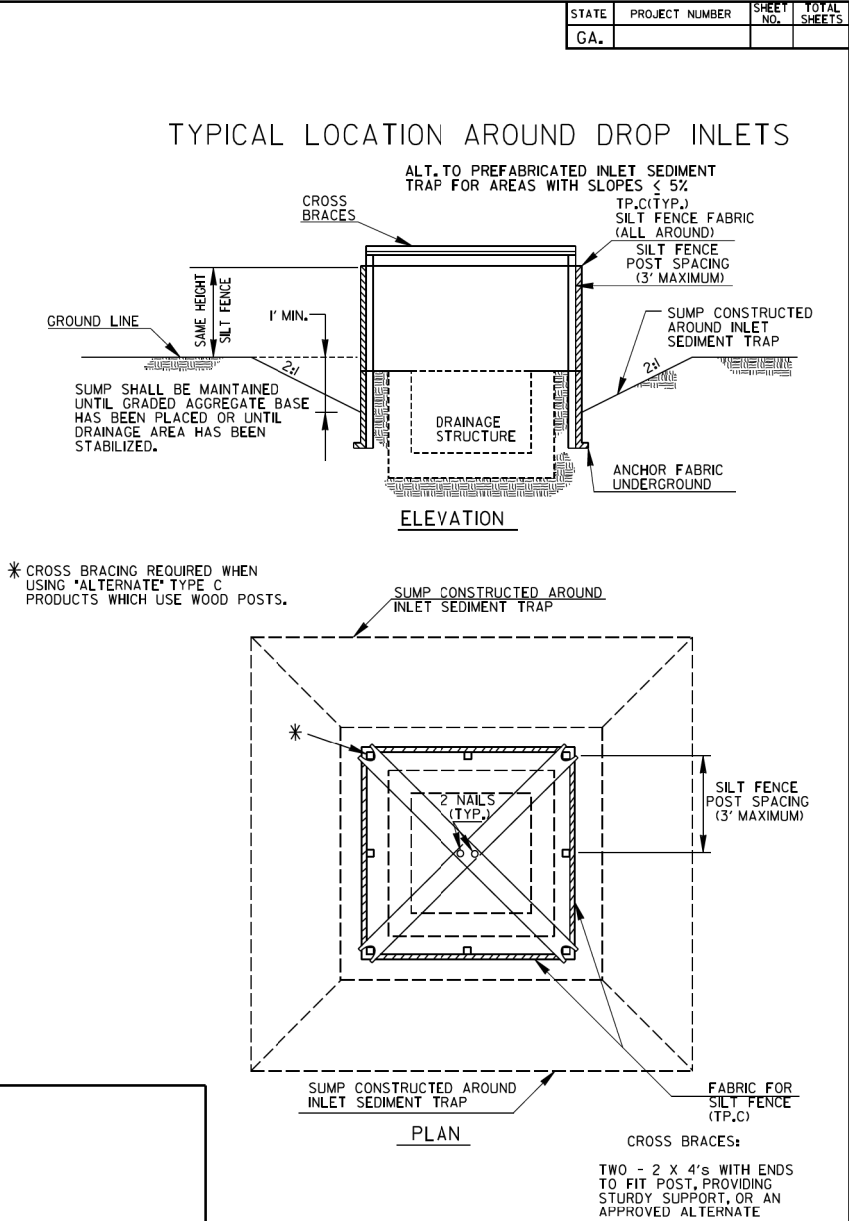
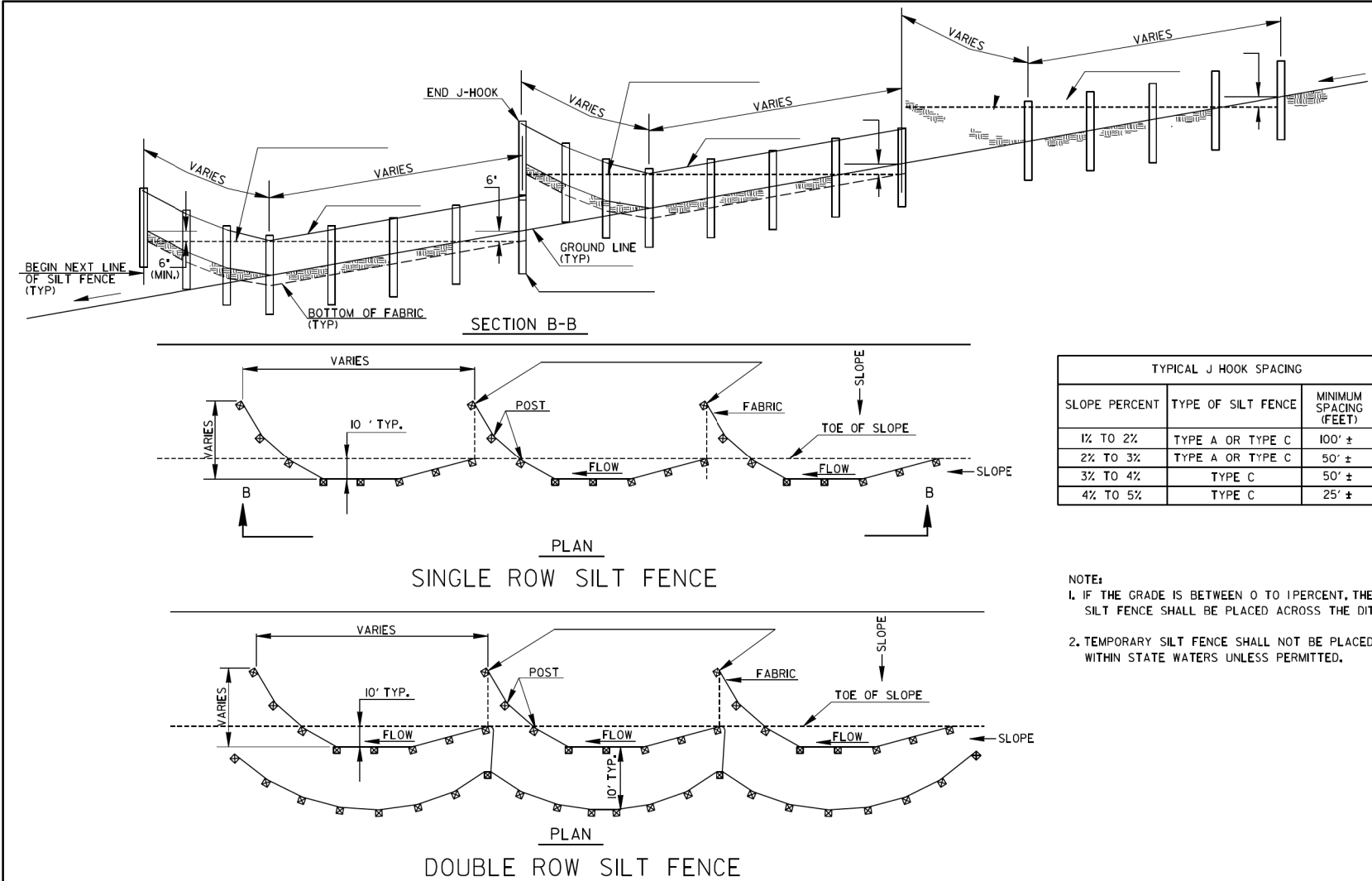


FENCE TYPE	POST LENGTH	H	D	W*	TYPICAL USES
TYPE *A*	4 FT.	2'-4"	1'-6"	3'-0"	
TYPE *C*	4 FT.	2'-4"	1'-6"	3'-0"	AT BRIDGE END ROLLS, DOUBLE ROW ALONG STREAMS, WETLANDS AND ENVIRONMENTALLY SENSITIVE AREAS FOR USE OF THIS MATERIAL IN FABRIC CHECKDAMS SEE D-24D.

1. WIRE STAPLES SHALL BE AT LEAST 17 GAUGE, WITH LEGS AT LEAST $\frac{1}{2}$ INCHES LONG AND A CROWN AT LEAST $\frac{3}{4}$ INCHES WIDE. NAILS SHALL BE AT LEAST 14 GAUGE, 1 INCH LONG, WITH BUTTON HEADS AT LEAST $\frac{3}{4}$ INCHES WIDE.
2. SEE SECTION 171 FOR PLACEMENT OF NAILS OR STAPLES FOR TYPE A AND TYPE C FENCES.
3. THE VERTICAL WIRES FOR THE WOVEN WIRE SUPPORT FENCE SHALL HAVE A MAXIMUM SPACING OF 12 INCHES, THE TOP AND BOTTOM WIRES SHALL BE AT LEAST 10 GAUGE AND ALL OTHER WIRES SHALL BE AT LEAST 12 $\frac{1}{2}$ GAUGE.
4. TEMPORARY SILT FENCE INSTALLATION IS DIFFERENT THAN THE SILT RETENTION BARRIER INSTALLATION.
5. SEE SECTION 171 FOR SILT FENCE SPECIFICATIONS.
6. SEE SECTION 894 FOR FENCING SPECIFICATIONS.
7. SEE QPL-36 FOR A LIST OF APPROVED SILT FENCE FABRIC.
8. TEMPORARY SILT FENCE SHALL NOT BE PLACED WITHIN STATE WATERS UNLESS PERMITTED.

		05-2022	DATE	DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
		ADDED HIGH TENILE POLYPROPYLENE INTEGRATED FABRIC	REVISION	CONSTRUCTION DETAIL	
				TEMPORARY SILT FENCE	
	AL	BY		JANUARY 2011 NO SCALE	NUMBER D-24A 1 OF 4

REVISION DATES			EROSION CONTROL CONSTRUCTION DETAILS 15TH ST. PEDESTRIAN IMPROVEMENTS FROM GOVERNMENT RD. TO LANEY WALKER BLVD.				
			CHECKED:		DATE:		DRAWING No. 56-0001
			BACKCHECKED:		DATE:		
			CORRECTED:		DATE:		
			VERIFIED:		DATE:		



NOTE:
 PAYMENT AS INLET SEDIMENT
 TRAP PER EACH.

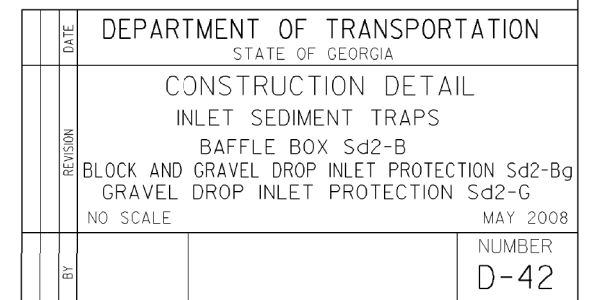
NOTE:
 SEE SEPARATE SHEET ENTITLED "TEMPORARY SILT FENCE
 DETAILS" FOR SILT FENCE ERECTION DETAILS.

09-2022		DATE		DEPARTMENT OF TRANSPORTATION	
				STATE OF GEORGIA	
PLACEMENT CLARIFICATION		REVISION		CONSTRUCTION DETAILS	
				TEMPORARY SILT FENCE	
				J-HOOK, INLET SEDIMENT TRAPS	
BAS		BY		JANUARY 2011	
				NO SCALE	
				NUMBER	
				D-24C	
				(SHEET 3 OF 4)	



REV. GEN. NOTES * 8-#		11-04-20	DEPARTMENT OF TRANSPORTATION	
REV. PAY ITEM DESS. REFS		04-18-18	STATE OF GEORGIA	
REV. TIME WASH & NOTES		04-22-18	CONSTRUCTION DETAILS	
REV. GSWC 2016 MANUAL		01-18-11	CONSTRUCTION EXIT	
REV. CONSTR. EXIT LABELS		DATE	NO SCALE	
BY		REVISION	FEBRUARY 20	
HAC	DESIGNED		NUMBER	
DLE	DRAWN	DLE	D-41	
DLE	TRACED			
TPC	CHECKED			

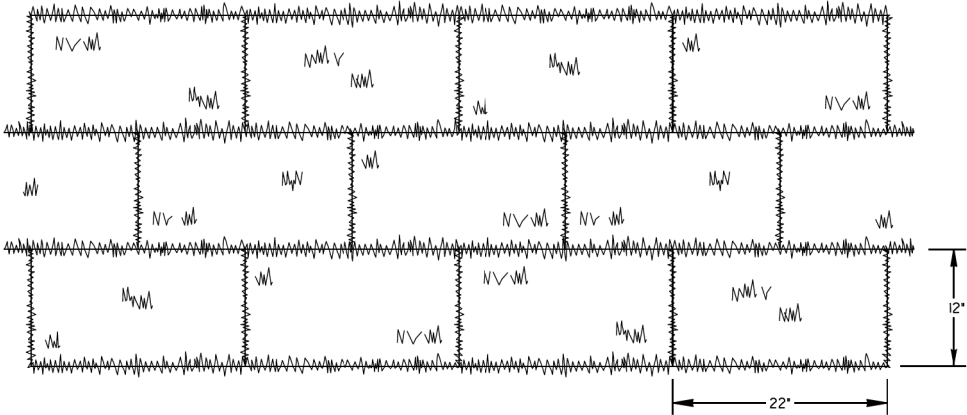
REVISION DATES			EROSION CONTROL CONTRUCTION DETAILS 15TH ST. PEDESTRIAN IMPROVEMENTS FROM GOVERNMENT RD. TO LANEY WALKER BLVD.				
			CHECKED:		DATE:		DRAWING No. 56-0003
			BACKCHECKED:		DATE:		
			CORRECTED:		DATE:		
			VERIFIED:		DATE:		



CHECKED:	DATE:	DRAWING No. 56-0004
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

SOD LAYOUT

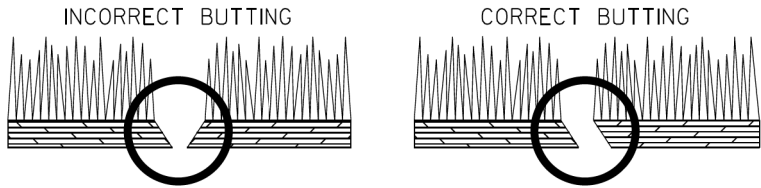


NOTE: SOD MAY BE EITHER 12" WIDE BY 22" LONG BLOCKS OR 21" WIDE BY 52" LONG ROLLS.

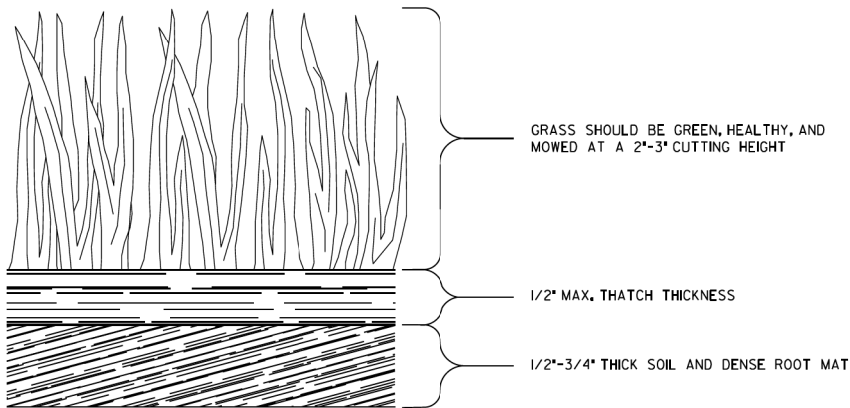
GENERAL NOTES:

- SOD SHALL MEET SECTIONS 700 AND 890 OF THE STANDARD SPECIFICATIONS AND SUPPLEMENTS THERETO. SOD SHALL BE CUT INTO 12"Wx22"L BLOCKS OR 21"Wx52"L ROLLS.
- PLACE SOD IN A STAGGERED PATTERN ENSURING FIRM CONTACT WITH THE SOIL. BUTT THE STRIPS TIGHTLY AGAINST EACH OTHER WITH THE AUTOMATIC SOD CUTTER ANGLES CORRECTLY MATCHED WITHOUT SPACES OR OVERLAP.
- PLACE THE LONG SIDE OF SOD PERPENDICULAR TO DRAINAGE FLOW IF INSTALLED IN DITCHES.
- STAKE SOD PLACED IN DITCHES OR SLOPES STEEPER THAN 2:1 OR ANY OTHER AREAS WHERE SOD SLIPPING MAY OCCUR. USE WOOD STAKES THAT ARE A MINIMUM OF 8" LONG AND A MAXIMUM OF 1" WIDE. DRIVE STAKES FLUSH WITH THE TOP OF SOD AND USE A MINIMUM OF 8 STAKES PER SQUARE YARD TO HOLD SOD IN PLACE.
- ROLL SOD IMMEDIATELY TO ACHIEVE FIRM CONTACT WITH THE SOIL.
- WATER THE SOD IMMEDIATELY AFTER INSTALLATION AND WATER TO A DEPTH OF 4" AS NEEDED.
- MOW ESTABLISHED SOD TO A HEIGHT NOT LESS THAN 2"-3" AS NECESSARY.

ABUTTING SOD



SOD APPEARANCE



PAY ITEM: 700-9300 SOD (SY)

	DATE	DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA
	REVISION	CONSTRUCTION DETAILS SOD INSTALLATION
	BY	DESIGNED _____ DRAWN <u>DLE</u> TRACED _____ CHECKED _____
		NO SCALE
		4-22-2016
		NUMBER D-54

REVISION DATES

EROSION CONTROL CONSTRUCTION DETAILS
15TH ST. PEDESTRIAN IMPROVEMENTS FROM
GOVERNMENT RD. TO LANEY WALKER BLVD.

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

DRAWING No.

56-0005



**HIGHWAY DEPARTMENT
DEPARTMENT "OR" DEP
STATE HIGHWAY DEPART
THE DEPARTMENT OF T**

**BEGIN R/W EXCEPTION
STA. 307+36.21**

**END R/W EXCEPTION
STA 123+68.64**

POPLAR STREET

GOVERNMENT ROAD

EXIST. R/W

EXIST. R/W

SR 4 / 15TH STREET

15TH STREET OFF RAMP

EXIST. R/W

**BEGIN R/W ACQUISITION
P10017618
STA 305+95.00**

**BEGIN R/W EXCEPTION
STA 311+85.00**

**END R/W EXCEPTION
STA. 311+59.00**

POPLAR STREET

WRIGHTSBORO ROAD

CENTRAL AVENUE

REQ'D. R/W

REQ'D. R/W

REQ'D. R/W

REQ'D. R/W

REQ'D. R/W

POPE AVENUE

**BEGIN R/W EXCEPTION
STA 146+34.00**

WALTON WAY

REQ'D. R/W

WALL STREET

EXIST. R/W

JOHN C CALHOUN EXPRESSWAY EXIT RAMP

JOHN C CALHOUN EXPRESSWAY ENTRANCE RAMP

HARPER STREET

**END R/W EXCEPTION
STA 144+73.00**

**BEGIN R/W EXCEPTION
STA 135+78.00**

LANEY-WALKER BLVD

**END R/W EXCEPTION
STA 157+65.00**

OSLER LANE

15TH STREET

EXIST. R/W

**END R/W ACQUISITION
P10017618
STA 158+40.00**

SR 4 / WALTON WAY

**PLANS PREPARED
BY:**

DESIGN

**UNDER THE
SUPERVISION OF:**

APPROVED:

PROJECT NUMBER: P.J.NO.0017618
COUNTY: RICHMOND (245)



LENGTH OF RIGHT OF WAY PROJECT	COUNTY NO. 245 RICHMOND
	PROJECT NO. 001768
	MILES
NET LENGTH OF RIGHT OF WAY	0.4672
NET LENGTH OF EXCEPTIONS	0.5699
GROSS LENGTH OF RIGHT OF WAY	1.0371



CONVENTIONAL SIGNS

STATE OR COUNTY LINE		
CITY LIMIT LINE		
LAND LOT LINE		
PROPERTY LINE		
SURVEY OR BASE LINE		
RIGHT OF WAY LINE {	EXISTING	
	REQUIRED	
	LIMIT OF ACCESS	
	RECD R/W & LIMIT OF ACCESS	
	R/W MARKERS	
FENCE		
RAILROAD		
POWER LINE		
TELEPHONE LINE		
POWER/UTILITY POLES		
LIGHT POLES		

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



PLANS PREPARED BY:

DESIGN

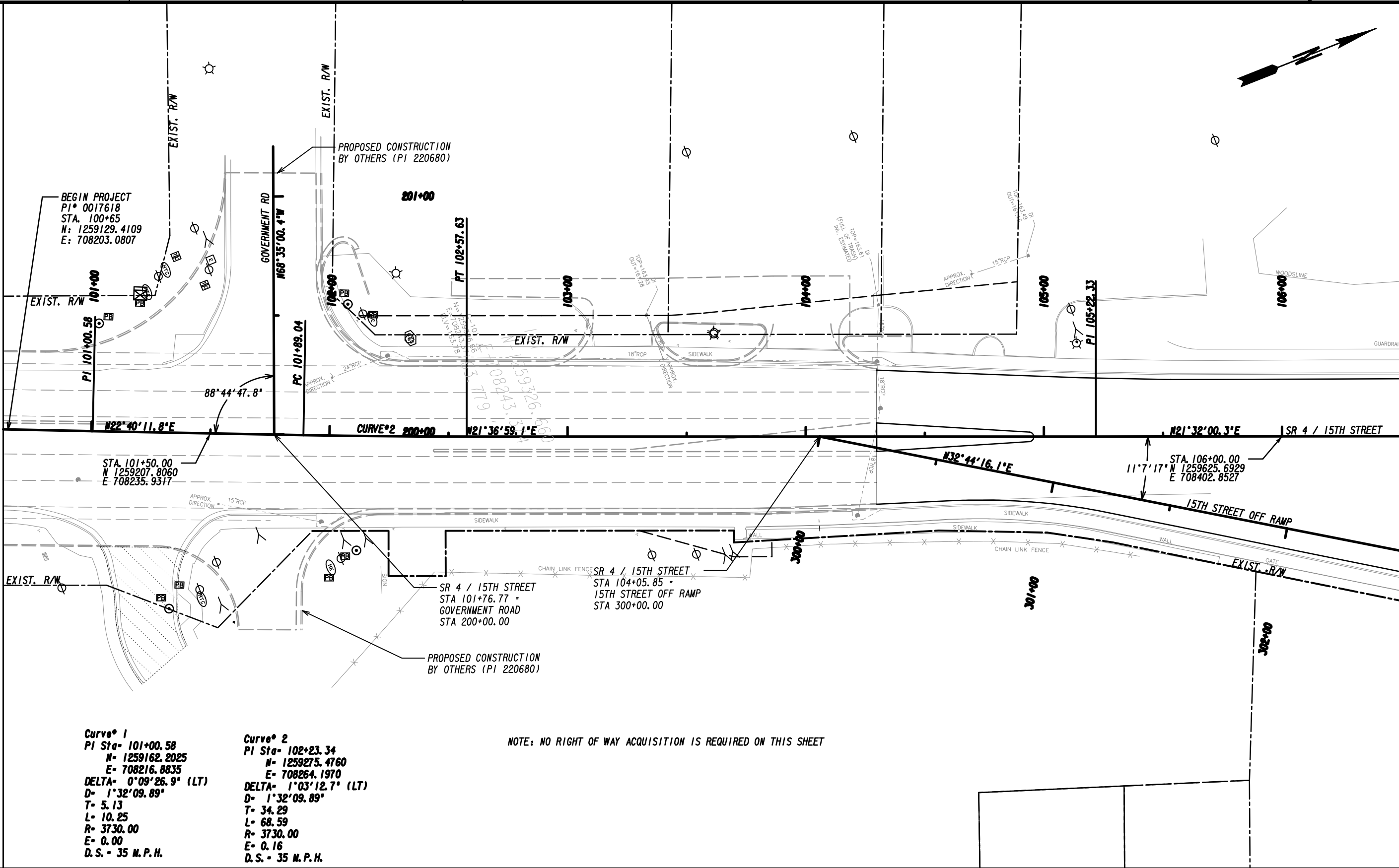
**UNDER THE
SUPERVISION OF:**

Leah H. Cassel

APPROVED:

LOCATION AND DESIGN APPROVAL DATE: 11/5/2024

[illegible]



Curve* 1
PI Sta= 101+00.58
N= 1259162.2025
E= 708216.8835
DELTA= 0°09'26.9" (LT)
D= 1°32'09.89"
T= 5.13
L= 10.25
R= 3730.00
E= 0.00
D.S. = 35 M.P.H.

Curve* 2
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E= 708264.1970
DELTA= 1°03'12.7" (LT)
D= 1°32'09.89"
T= 34.29
L= 68.59
R= 3730.00
E= 0.16
D.S. = 35 M.P.H.

NOTE: NO RIGHT OF WAY ACQUISITION IS REQUIRED ON THIS SHEET

MATCHLINE STA. 106+50.00
SEE DRAWING No. 60-0003

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

SCALE IN FEET
0 20 40 60

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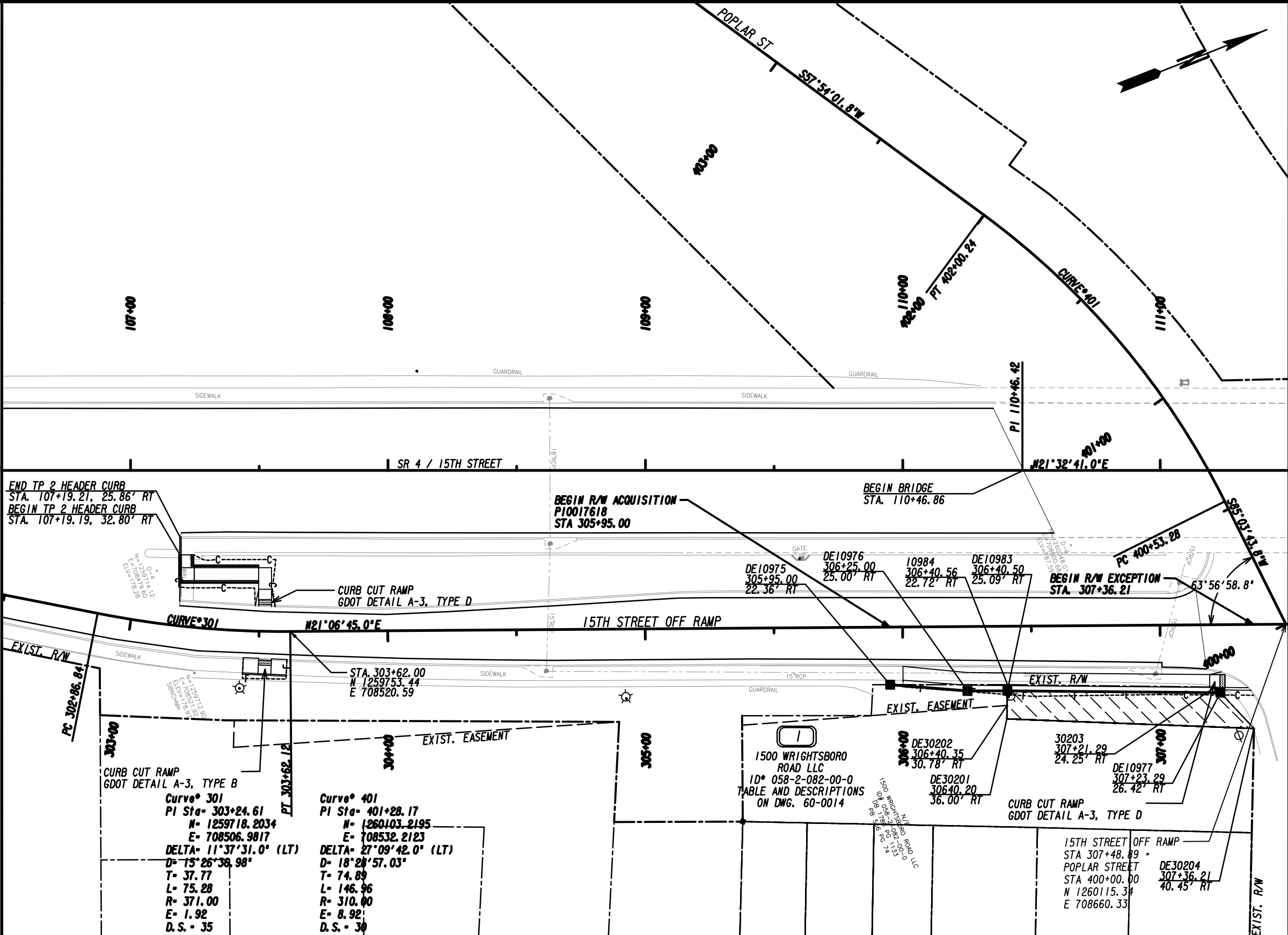
DATE	REVISIONS	DATE	REVISIONS

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY MAP
PROJECT NO: P.I. NO. 0017618
COUNTY: RICHMOND
LAND LOT NO:
LAND DISTRICT: N/A
GMD: 120 & 600
DATE: 09/08/23 SH 2 OF 18

DRAWING No.
60-0002

MATCHLINE STA. 106+50.00
SEE DRAWING No. 60-0002

MATCHLINE STA. 111+50.00
SEE DRAWING No. 60-0004



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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

SCALE IN FEET

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DATE

REVISIONS

DATE

REVISIONS

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY MAP

PROJECT NO: P.L. NO. 0017618
COUNTY: RICHMOND
LAND LOT NO:
LAND DISTRICT: N/A
GMD: 120 & 600
DATE: 09/08/23 SH3 OF 18

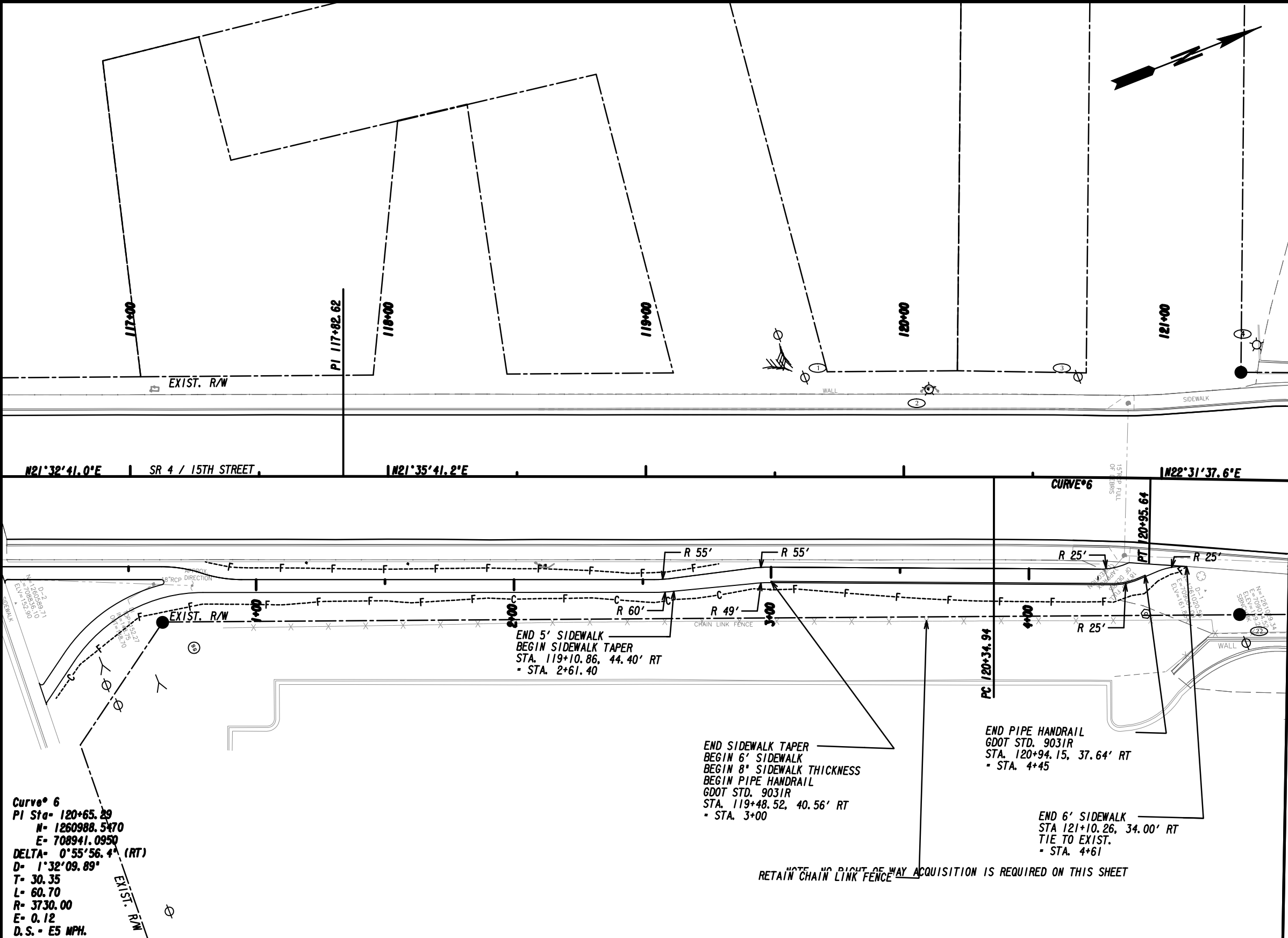
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60-0003

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MATCHLINE STA. 116+50.00
SEE DRAWING No. 60-0004



MATCHLINE STA. 121+50.00
SEE DRAWING No. 60-0006

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

SCALE IN FEET

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DATE

REVISIONS

DATE

REVISIONS

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

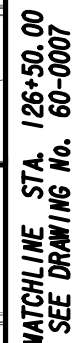
RIGHT OF WAY MAP

PROJECT NO: P. I. NO. 0017618
COUNTY: RICHMOND
LAND LOT NO:
LAND DISTRICT: N/A
GMD: 120 & 600
DATE: 09/08/23 SH5 OF 18

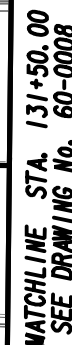
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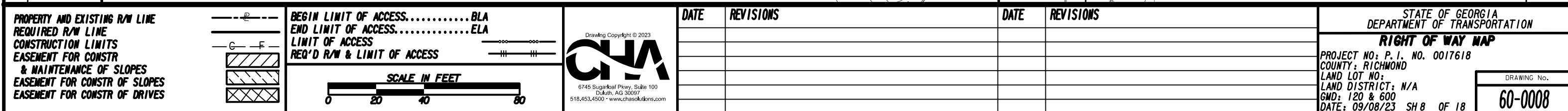
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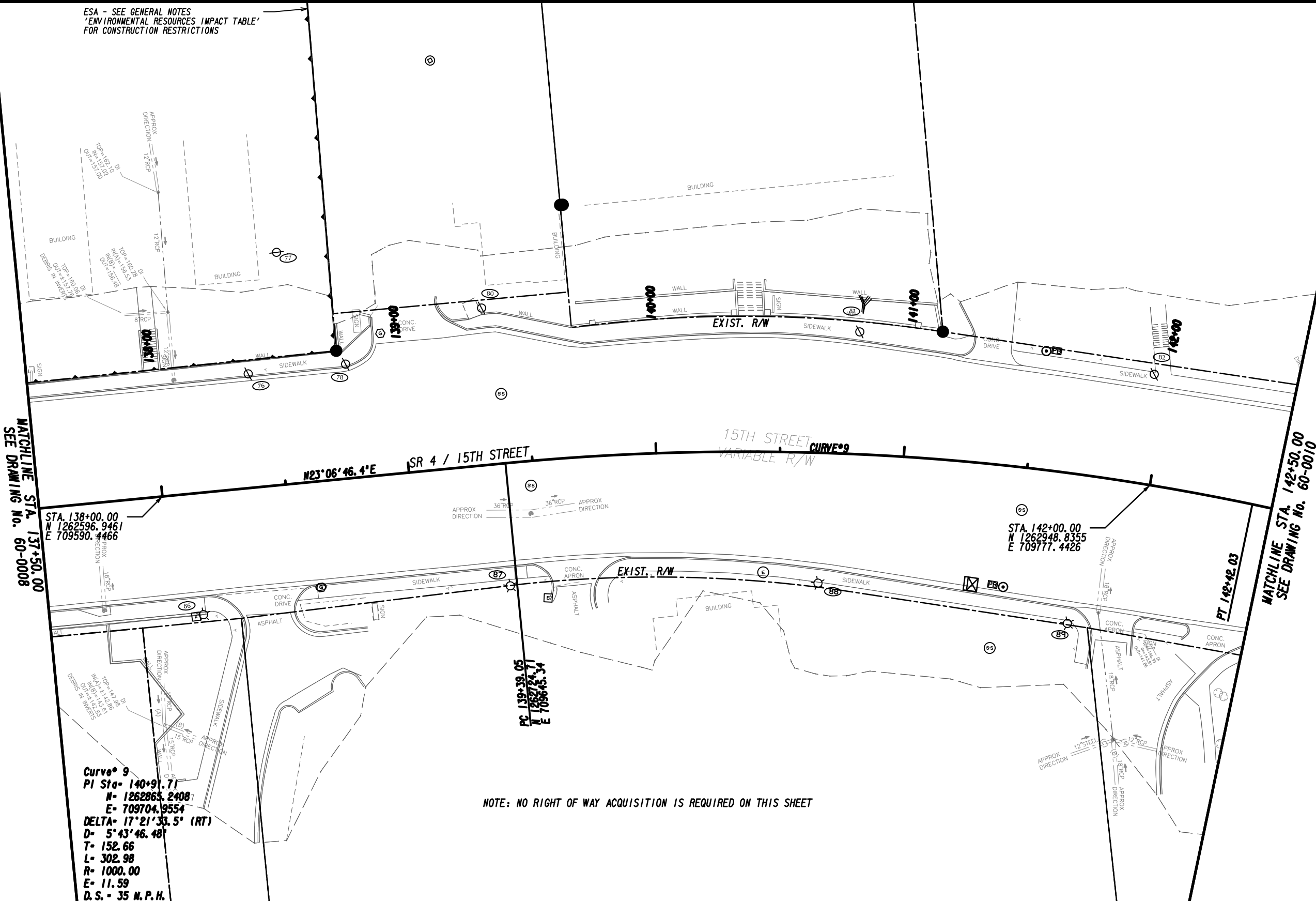


PROPERTY AND EXISTING R/W LINE REQUIRED R/W LINE CONSTRUCTION LIMITS EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES EASEMENT FOR CONSTR OF SLOPES EASEMENT FOR CONSTR OF DRIVES		BEGIN LIMIT OF ACCESS.....BLA END LIMIT OF ACCESS.....ELA LIMIT OF ACCESS REQ'D R/W & LIMIT OF ACCESS		 Drawing Copyright © 2023 6745 Sugarloaf Pkwy, Suite 100 Duluth, GA 30091 518,453,4500 • www.chasolutions.com	DATE	REVISIONS	DATE	REVISIONS	STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION RIGHT OF WAY MAP PROJECT NO: P. I. NO. 0017618 COUNTY: RICHMOND LAND LOT NO: LAND DISTRICT: N/A GND: 120 & 600 DATE: 09/08/23 SH6 OF 18	DRAWING No. 60-0006



STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION RIGHT OF WAY MAP	
PROJECT NO: P. I. NO. 0017618 COUNTY: RICHMOND LAND LOT NO: LAND DISTRICT: N/A GMD: 120 & 600 DATE: 09/08/23 SH 7 OF 18	
DRAWING No. 60-0007	





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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

0204060

SCALE IN FEET

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DATE	REVISIONS	DATE	REVISIONS

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY MAP

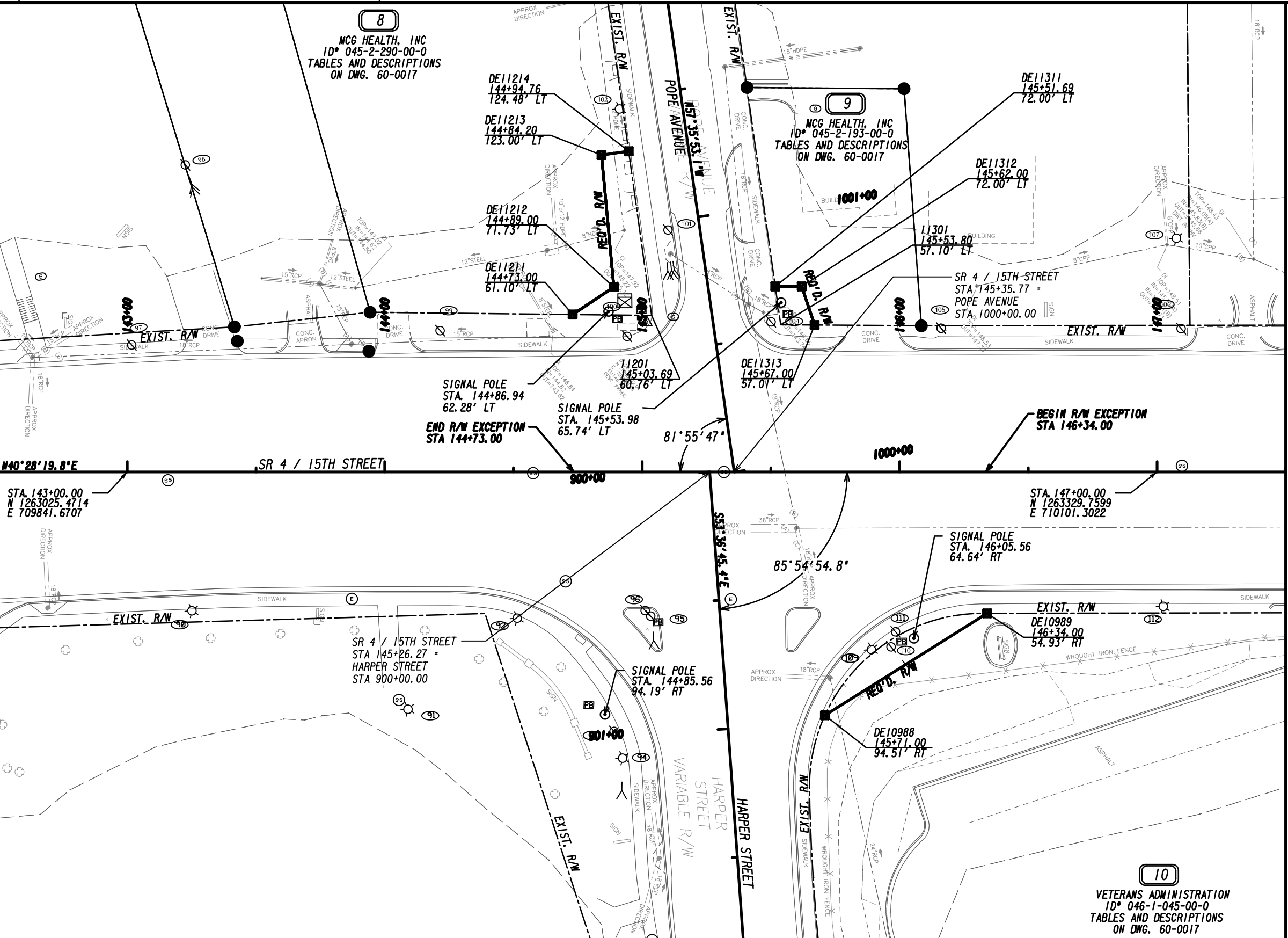
PROJECT NO: P. I. NO. 0017618
COUNTY: RICHMOND
LAND LOT NO:
LAND DISTRICT: N/A
GMD: 120 & 600
DATE: 09/08/23 SH 9 OF 18

DRAWING No.
60-0009

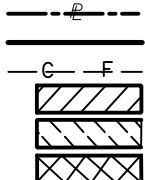
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MATCHLINE STA. 131+50.00
SEE DRAWING No. 60-0009

MATCHLINE STA. 131+50.00
SEE DRAWING No. 60-0011



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



BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

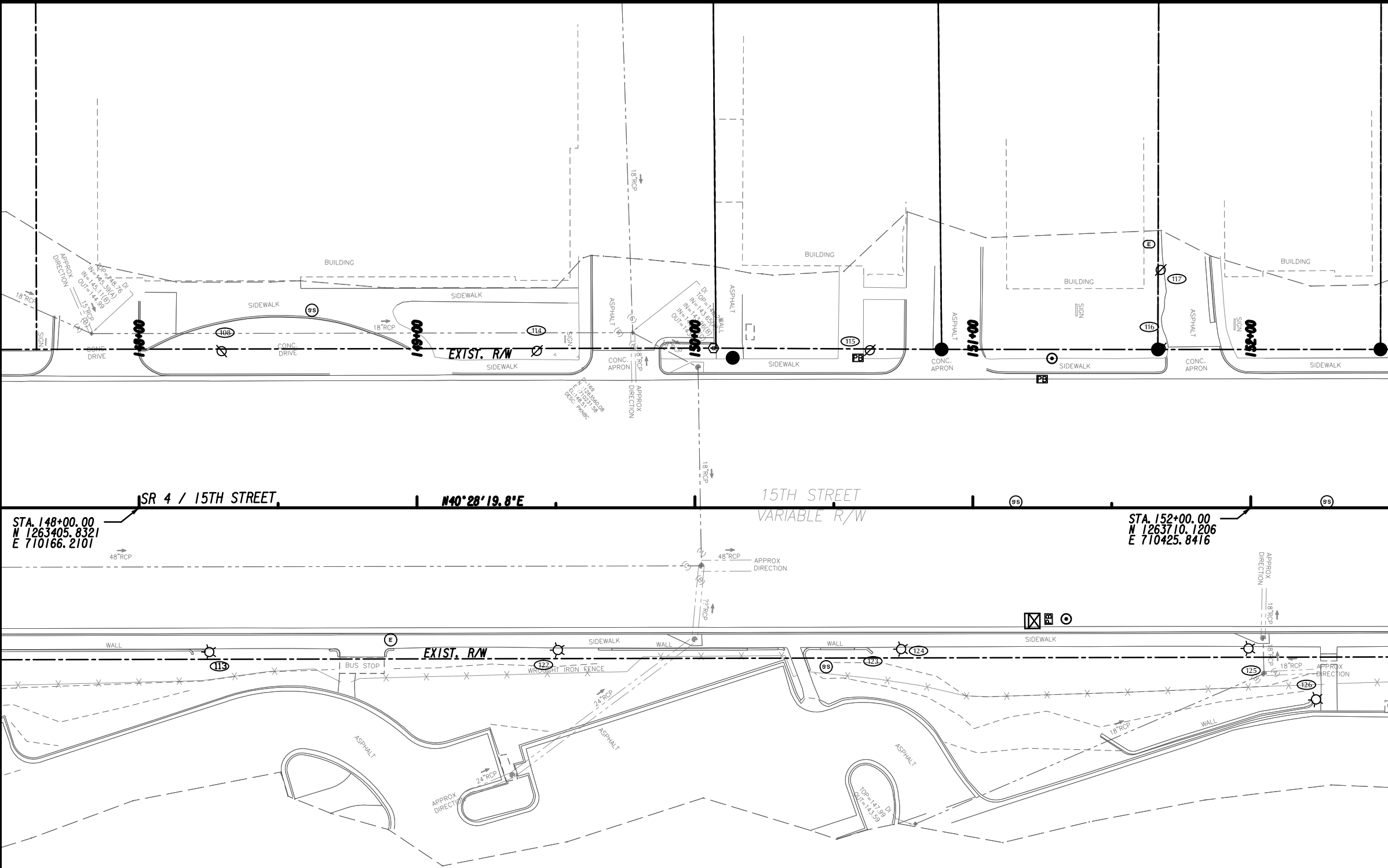


DATE	REVISIONS

DATE	REVISIONS

STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION	
RIGHT OF WAY MAP	
PROJECT NO: P.I. NO. 0017618	
COUNTY: RICHMOND	
LAND LOT NO:	
LAND DISTRICT: N/A	
GMD: 120 & 600	
DATE: 09/08/23 SH10 OF 18	
DRAWING No.	60-0010

MATCHLINE STA. 147+50.00
SEE DRAWING No. 60-0010

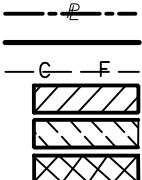


MATCHLINE STA. 152+50.00
SEE DRAWING No. 60-0012

NOTE: NO RIGHT OF WAY ACQUISITION IS REQUIRED ON THIS SHEET

10
VETERANS ADMINISTRATION
ID# 046-1-045-00-0
TABLES AND DESCRIPTIONS
ON DWG. 60-0017

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



BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

SCALE IN FEET

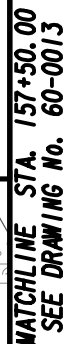
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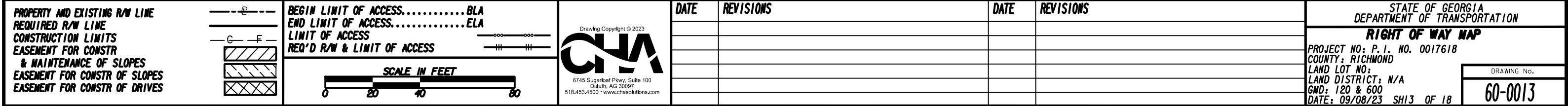
DATE	REVISIONS	DATE	REVISIONS

DATE	REVISIONS

STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION	
RIGHT OF WAY MAP	
PROJECT NO: P. I. NO. 0017618	
COUNTY: RICHMOND	
LAND LOT NO:	
LAND DISTRICT: N/A	
GMD: 120 & 600	
DATE: 09/08/23 SH11 OF 18	
DRAWING No. 60-0011	



STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION RIGHT OF WAY MAP	
PROJECT NO.: P. I. NO. 0017618	
COUNTY: RICHMOND	
LAND LOT NO:	
LAND DISTRICT: N/A	
GWD: 120 & 600	
DATE: 09/08/23 SH12 OF 18	
DRAWING No. 60-0012	



1

1500 WRIGHTSBORO ROAD LLC
PARCEL APPEARS ON SHEET 60-0003

REQD - PAR 1
DE0945
REQ'D R/W

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE10975	22.36 R	305+95.00	15th Street Off Ramp
	45.56	N 21°33'37.7" E	
10984	22.72 R	306+40.56	15th Street Off Ramp
	80.75	N 22°11'49.7" E	
30203	24.25 R	307+21.29	15th Street Off Ramp
	2.95	N 68°28'49.4" E	
DE10977	26.42 R	307+23.29	15th Street Off Ramp
	82.80	S 22°01'44.6" W	
DE10983	25.09 R	306+40.50	15th Street Off Ramp
	15.49	S 21°26'15.4" W	
DE10976	25.00 R	306+25.00	15th Street Off Ramp
	30.12	S 26°08'42.8" W	
DE10975	22.36 R	305+95.00	15th Street Off Ramp
REQD R/W	= 257.60	SF	
REQD R/W	= 0.006	ACRES	
REMAINDER	= +/- 0.21	ACRES	

TESMT - PAR 1
DE0946
EASM'T. FOR CONST. OF SIDEWALK

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE10983	25.09 R	306+40.50	15th Street Off Ramp
	82.80	N 22°01'44.6" E	
DE10977	26.42 R	307+23.29	15th Street Off Ramp
	19.07	N 68°28'49.4" E	
DE30204	40.45 R	307+36.21	15th Street Off Ramp
	96.11	S 23°45'54.3" W	
DE30201	36.00 R	306+40.20	15th Street Off Ramp
	5.22	N 67°16'36.0" W	
DE30202	30.78 R	306+40.35	15th Street Off Ramp
	5.69	N 67°22'24.1" W	
DE10983	25.09 R	306+40.50	15th Street Off Ramp
REQD EASMT	= 1096.47	SF	
REQD EASMT	= 0.03	ACRES	

2

TTS REAL ESTATE LLC
PARCEL APPEARS ON SHEET 60-0004

TESMT - PAR 2
DE0432
EASM'T. FOR CONST. OF SIDEWALK

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE30433	21.54 R	311+59.00	15th Street Off Ramp
	5.28	N 2°16'42.3" E	
30403	19.78 R	311+63.98	15th Street Off Ramp
	10.88	N 34°58'41.6" E	
30405	22.26 R	311+74.58	15th Street Off Ramp
	15.80	N 70°31'26.5" E	
DE30434	34.14 R	311+85.00	15th Street Off Ramp
	28.89	S 47°38'26.9" W	
DE30433	21.54 R	311+59.00	15th Street Off Ramp
REQD EASMT	= 104.30	SF	
REQD EASMT	= 0.002	ACRES	
TOTAL LOT SIZE	= 0.518	ACRES	

3

THE PAINE COLLEGE
PARCEL APPEARS ON SHEET 60-0006 & 60-0007

REQD - PAR 3
DE0711
REQ'D R/W

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
10701	38.38 L	124+24.05	15th Street
	69.64	S 63°43'24.6" W	
10972	85.44 L	123+72.72	15th Street
	37.16	N 75°06'11.7" W	
10970	122.38 L	123+68.64	15th Street
	1.36	N 20°37'46.8" E	
DE10987	122.39 L	123+70.00	15th Street
	36.61	S 75°03'57.8" E	
DE10949	86.00 L	123+74.00	15th Street
	55.23	N 63°16'26.3" E	
DE10712	49.00 L	124+15.00	15th Street
	362.71	N 21°12'22.0" E	
DE10713	49.00 L	127+77.72	15th Street
	11.06	S 69°10'58.9" E	
10702	37.94 L	127+77.79	15th Street
	353.74	S 21°16'40.2" W	
10701	38.38 L	124+24.05	15th Street
REQD R/W	= 4023.95	SF	
REQD R/W	= 0.092	ACRES	
REMAINDER	= +/- 2.0	ACRES	

PESMT - PAR 3
DE0721
EASM'T. FOR CONST. AND MAINT. OF SLOPES

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE10953	55.00 L	124+31.35	15th Street
	346.33	N 21°12'24.4" E	
DE10723	55.00 L	127+77.67	15th Street
	6.00	S 69°10'58.9" E	
DE10713	49.00 L	127+77.72	15th Street
	346.42	S 21°12'24.4" W	
DE10954	49.00 L	124+31.30	15th Street
	6.00	N 68°18'17.3" W	
DE10953	55.00 L	124+31.35	15th Street
REQD EASMT	= 2078.23	SF	
REQD EASMT	= 0.048	ACRES	

TESMT - PAR 3
DE0943
EASM'T. FOR CONST. OF WALL

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE10987	122.39 L	123+70.00	15th Street
	61.79	N 20°38'20.2" E	
DE10952	123.00 L	124+31.79	15th Street
	68.00	S 68°25'14.1" E	
DE10953	55.00 L	124+31.35	15th Street
	6.00	S 68°18'17.3" E	
DE10954	49.00 L	124+31.30	15th Street
	16.30	S 21°11'30.1" W	
DE10712	49.00 L	124+15.00	15th Street
	55.23	S 63°16'26.3" W	
DE10949	86.00 L	123+74.00	15th Street
	36.61	N 75°03'57.8" W	
DE10987	122.39 L	123+70.00	15th Street
REQD EASMT	= 3556.71	SF	
REQD EASMT	= 0.082	ACRES	

3

CONTINUED
THE PAINE COLLEGE
PARCEL APPEARS ON SHEET 60-0006 & 60-0007

DWESMT - PAR 3 - TRACT 1
DE0741
REQ'D DRWY. EASM'T.

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE10741	55.00 L 18.00	125+62.00 N 68°47'35.6" W	15th Street
DE10742	73.00 L 36.00	125+62.00 N 21°12'24.4" E	15th Street
DE10743	73.00 L 18.00	125+98.00 S 68°47'35.6" E	15th Street
DE10744	55.00 L 36.00	125+98.00 S 21°12'24.4" W	15th Street
DE10741	55.00 L	125+62.00	15th Street
REQD EASMT	= 648.00	SF	
REQD EASMT	= 0.015	ACRES	

DWESMT - PAR 3 - TRACT 2
DE0944
REQ'D DRWY. EASM'T.

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE10964	55.00 L 24.00	127+67.00 N 68°47'29.6" W	15th Street
DE10963	79.00 L 10.51	127+67.00 N 21°11'41.7" E	15th Street
DE10841	79.00 L 24.00	127+77.51 S 69°10'58.9" E	15th Street
DE10723	55.00 L 10.67	127+77.67 S 21°12'24.4" W	15th Street
DE10964	55.00 L	127+67.00	15th Street
REQD EASMT	= 254.20	SF	
REQD EASMT	= 0.006	ACRES	

TOTAL NUMBER OF DRIVEWAY EASEMENTS = 2

4

THE PAINE COLLEGE
PARCEL APPEARS ON SHEET 60-0007

REQD - PAR 4
DE0811
REQ'D R/W

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
10702	37.94 L 11.06	127+77.79 N 69°10'58.9" W	15th Street
DE10713	49.00 L 100.24	127+77.72 N 20°59'23.6" E	15th Street
DE10811	49.38 L 11.30	128+77.95 S 69°14'11.7" E	15th Street
10801	38.08 L 100.25	128+78.04 S 21°07'52.6" W	15th Street
10702	37.94 L	127+77.79	15th Street
REQD R/W	= 1120.60	SF	
REQD R/W	= 0.026	ACRES	
REMAINDER	= +/- 0.66	ACRES	

PESMT - PAR 4
DE0821
EASM'T. FOR CONST. AND MAINT. OF SLOPES

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE10713	49.00 L 6.00	127+77.72 N 69°10'58.9" W	15th Street
DE10723	55.00 L 100.23	127+77.67 N 21°12'24.4" E	15th Street
DE10821	55.00 L 5.62	128+77.91 S 69°14'11.7" E	15th Street
DE10811	49.38 L 100.24	128+77.95 S 20°59'23.6" W	15th Street
DE10713	49.00 L	127+77.72	15th Street
REQD EASMT	= 582.40	SF	
REQD EASMT	= 0.013	ACRES	

DWESMT - PAR 4 - TRACT 1
DE0841
REQ'D DRWY. EASM'T.

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE10723	55.00 L 24.00	127+77.67 N 69°10'58.9" W	15th Street
DE10841	79.00 L 22.49	127+77.51 N 21°12'24.4" E	15th Street
DE10842	79.00 L 24.00	128+00.00 S 68°47'35.6" E	15th Street
DE10843	55.00 L 22.33	128+00.00 S 21°12'24.4" W	15th Street
DE10723	55.00 L	127+77.67	15th Street
REQD EASMT	= 537.76	SF	
REQD EASMT	= 0.012	ACRES	

TOTAL NUMBER OF DRIVEWAY EASEMENTS = 1

5

THE PAINE COLLEGE
PARCEL APPEARS ON 60-0007 & 60-0008

REQD - PAR 5
DE0911
REQ'D R/W

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
10801	38.08 L 11.30	128+78.04 N 69°14'11.7" W	15th Street
DE10811	49.38 L 163.94	128+77.95 N 20°59'23.6" E	15th Street
DE10911	50.00 L 288.60	130+41.89 N 21°16'19.6" E	15th Street
DE10912	53.81 L 11.04	133+28.98 S 66°44'06.5" E	15th Street
10901	42.77 L 452.05	133+28.90 S 21°08'10.2" W	15th Street
10801	38.08 L	128+78.04	15th Street
REQD R/W	= 5168.44	SF	
REQD R/W	= 0.119	ACRES	
REMAINDER	= +/- 19.0	ACRES	

PESMT - PAR 5
DE9044
EASM'T. FOR CONST. AND MAINT. OF SLOPES

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE10811	49.38 L 5.62	128+77.95 N 69°14'11.7" W	15th Street
DE10821	55.00 L 144.09	128+77.91 N 21°12'24.4" E	15th Street
DE10941	55.00 L 50.16	130+22.00 N 21°15'48.6" E	15th Street
DE10961	55.00 L 4.98	130+72.00 S 68°40'41.7" E	15th Street
DE10957	50.01 L 30.27	130+72.00 S 21°16'19.6" W	15th Street
DE10911	50.00 L 163.94	130+41.89 S 20°59'23.6" W	15th Street
DE10811	49.38 L	128+77.95	15th Street
REQD EASMT	= 1021.30	SF	
REQD EASMT	= 0.023	ACRES	



DATE	REVISIONS	DATE	REVISIONS	STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION	
				RIGHT OF WAY MAP	
				PROJECT NO: P. I. NO. 0017618	
				COUNTY: RICHMOND	
				LAND LOT NO:	
				LAND DISTRICT: N/A	
				GMD: 120 & 600	
				DATE: 09/08/23 SH15 OF 18	
				DRAWING No.	60-0015

5

CONTINUED
THE PAINE COLLEGE
PARCEL APPEARS ON 60-0007 & 60-0008

TESMT - PAR 5
DE0921
EASM'T. FOR CONST. OF SLOPES

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE10957	50.01 L 14.99	130+72.00 N 68°38'24.0" W	15th Street
DE10922	65.00 L 123.80	130+72.00 N 21°43'49.0" E	15th Street
DE10944	65.00 L 34.22	131+95.00 N 22°11'22.2" E	15th Street
DE10947	65.00 L 78.51	132+29.00 N 22°30'18.9" E	15th Street
DE10958	65.00 L 22.58	133+07.00 N 12°50'59.2" E	15th Street
DE10924	68.89 L 15.08	133+29.09 S 66°44'06.5" E	15th Street
DE10912	53.81 L 258.33	133+28.98 S 21°16'19.6" W	15th Street
DE10957	50.01 L	130+72.00	15th Street
REQD EASMT	= 3549.64	SF	
REQD EASMT	= 0.081	ACRES	

DWESMT - PAR 5 - TRACT 1
DE0941
REQ'D DRWY. EASM'T.

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE10941	55.00 L 28.30	130+22.00 N 36°47'16.2" W	15th Street
DE10942	79.00 L 35.24	130+37.00 N 21°16'51.9" E	15th Street
DE10943	79.00 L 14.00	130+72.00 S 68°36'45.7" E	15th Street
DE10922	65.00 L 10.01	130+72.00 S 68°37'15.4" E	15th Street
DE10961	55.00 L 50.16	130+72.00 S 21°15'48.6" W	15th Street
DE10941	55.00 L	130+22.00	15th Street
REQD EASMT	= 1025.25	SF	
REQD EASMT	= 0.024	ACRES	

DWESMT - PAR 5 - TRACT 2
DE0942
REQ'D DRWY. EASM'T.

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE10944	65.00 L 13.00	131+95.00 N 67°54'58.7" W	15th Street
DE10945	78.00 L 34.27	131+95.00 N 22°10'53.3" E	15th Street
DE10946	78.00 L 13.00	132+29.00 S 67°43'15.9" E	15th Street
DE10947	65.00 L 34.22	132+29.00 S 22°11'22.2" W	15th Street
DE10944	65.00 L	131+95.00	15th Street
REQD EASMT	= 445.08	SF	
REQD EASMT	= 0.010	ACRES	

TOTAL NUMBER OF DRIVEWAY EASEMENTS = 2

6

THE PAINE COLLEGE
PARCEL APPEARS ON SHEET 60-0008

REQD - PAR 6
DE1011
REQ'D R/W

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
10901	42.77 L 11.04	133+28.90 N 66°44'06.5" W	15th Street
DE10912	53.81 L 45.85	133+28.98 N 21°16'19.6" E	15th Street
DE11011	55.18 L 85.48	133+74.56 N 21°13'38.2" E	15th Street
DE11012	58.00 L 7.01	134+60.00 N 66°52'38.4" W	15th Street
DE11013	65.00 L 29.60	134+60.00 N 23°06'34.7" E	15th Street
DE11014	65.00 L 5.00	134+89.60 S 68°41'45.8" E	15th Street
DE10981	60.00 L 3.45	134+89.76 N 23°07'58.2" E	15th Street
DE10982	60.00 L 11.72	134+93.21 S 66°35'00.4" E	15th Street
11001	48.28 L 164.54	134+93.15 S 21°09'26.2" W	15th Street
10901	42.77 L	133+28.90	15th Street
REQD R/W	= 1991.40	SF	
REQD R/W	= 0.046	ACRES	
REMAINDER	= +/- 0.73	ACRES	

TESMT - PAR 6
DE0922
EASM'T. FOR CONST. OF SLOPES

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE10912	53.81 L 15.08	133+28.98 N 66°44'06.5" W	15th Street
DE10924	68.89 L 131.27	133+29.09 N 24°45'58.2" E	15th Street
DE11013	65.00 L 7.01	134+60.00 S 66°52'38.4" E	15th Street
DE11012	58.00 L 85.48	134+60.00 S 21°13'38.2" W	15th Street
DE11011	55.18 L 45.85	133+74.56 S 21°16'19.6" W	15th Street
DE10912	53.81 L	133+28.98	15th Street
REQD EASMT	= 1450.76	SF	
REQD EASMT	= 0.033	ACRES	

7

CIRCLE K STORES INC
PARCEL APPEARS ON SHEET 60-0008

REQD - PAR 7
DE1111
REQ'D R/W

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
11101	49.69 L 15.31	135+61.49 N 66°39'12.0" W	15th Street
DE11111	65.00 L 8.44	135+61.56 N 23°06'46.4" E	15th Street
DE11116	65.00 L 4.75	135+70.00 S 66°53'13.6" E	15th Street
DE11114	60.25 L 3.75	135+70.00 S 23°06'46.4" W	15th Street
DE11115	60.25 L 10.53	135+66.25 S 66°53'13.6" E	15th Street
DE11113	49.72 L 4.76	135+66.25 S 22°46'12.0" W	15th Street
11101	49.69 L	135+61.49	15th Street
REQD R/W	= 90.07	SF	
REQD R/W	= 0.002	ACRES	
REMAINDER	= +/- 0.41	ACRES	

TESMT - PAR 7
DE0947
EASM'T. FOR CONST. OF SIGNAL

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE11111	65.00 L 30.00	135+61.56 N 66°37'43.1" W	15th Street
DE10979	95.00 L 13.31	135+61.69 N 23°06'42.0" E	15th Street
DE10978	95.00 L 45.24	135+75.00 S 68°41'45.8" E	15th Street
DE10980	49.78 L 10.18	135+76.42 S 22°46'12.0" W	15th Street
DE11113	49.72 L 10.53	135+66.25 N 66°53'13.6" W	15th Street
DE11115	60.25 L 3.75	135+66.25 N 23°06'46.4" E	15th Street
DE11114	60.25 L 4.75	135+70.00 N 66°53'13.6" W	15th Street
DE11116	65.00 L 8.44	135+70.00 S 23°06'46.4" W	15th Street
DE11111	65.00 L	135+61.56	15th Street
REQD EASMT	= 549.12	SF	
REQD EASMT	= 0.013	ACRES	

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Duluth, GA 30097
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DATE	REVISIONS	DATE	REVISIONS

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY MAP
PROJECT NO: P. I. NO. 0017618
COUNTY: RICHMOND
LAND LOT NO:
LAND DISTRICT: N/A
GMD: 120 & 600
DATE: 09/08/23 SH16 OF 18

DRAWING No.
60-0016

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MCG HEALTH, INC
PARCEL APPEARS ON SHEET 60-0010

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MCG HEALTH, INC
PARCEL APPEARS ON SHEET 60-0010

10

VETERANS ADMINISTRATION
PARCEL APPEARS ON SHEETS 60-0010, 60-0011, 60-0012

REQD - PAR 8			
DE1211			
REQ'D R/W			

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT

DE11211	61.10 L	144+73.00	15th Street
	19.21	N 6°52'16.1" E	
DE11212	71.73 L	144+89.00	15th Street
	51.49	N 54°52'26.8" W	
DE11213	123.00 L	144+84.20	15th Street
	10.66	N 32°29'46.5" E	
DE11214	124.48 L	144+94.76	15th Street
	64.34	S 57°30'13.5" E	
11201	60.76 L	145+03.69	15th Street
	30.69	S 41°06'09.2" W	
DE11211	61.10 L	144+73.00	15th Street
REQD R/W	= 859.16	SF	
REQD R/W	= 0.020	ACRES	
REMAINDER	= +/- 0.49	ACRES	

REQD - PAR 9			
DE1311			
REQ'D R/W			

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT

11301	57.10 L	145+53.80	15th Street
	15.05	N 57°36'46.7" W	
DE11311	72.00 L	145+51.69	15th Street
	10.31	N 40°28'47.4" E	
DE11312	72.00 L	145+62.00	15th Street
	15.80	S 67°59'54.2" E	
DE11313	57.01 L	145+67.00	15th Street
	13.20	S 40°51'56.2" W	
11301	57.10 L	145+53.80	15th Street
REQD R/W	= 175.49	SF	
REQD R/W	= 0.004	ACRES	
REMAINDER	= +/- 0.12	ACRES	

REQD - PAR 10			
DE1411			
REQ'D R/W			

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT

DE10988	94.51 R	145+71.00	15th Street
ARC LENGTH	= 78.80		
CHORD BEAR	= N 8°19'55.5" E		
LNTH CHORD	= 74.40		
RADIUS	= 67.52		
DEGREE	= 84°51'42.3"		
DE10989	54.93 R	146+34.00	15th Street
	74.40	S 8°19'55.5" W	
DE10988	94.51 R	145+71.00	15th Street
REQD R/W	= 564.01	SF	
REQD R/W	= 0.013	ACRES	
REMAINDER	= +/- 20.0	ACRES	

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SEASONA PROPERTIES, LTD
PARCEL APPEARS ON SHEETS 60-0011, 60-0012

REQD - PAR 11
DE1511
REQ'D R/W

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE11511	106.55 L	157+65.00	15th Street
	52.25	N 76°58'11.0" E	
DE11512	75.47 L	158+07.00	15th Street
	33.00	N 40°28'08.3" E	
DE11513	75.47 L	158+40.00	15th Street
	16.09	S 2°33'01.3" E	
11503	64.49 L	158+28.24	15th Street
	32.34	S 42°58'41.9" W	
11502	65.91 L	157+95.92	15th Street
ARC LENGTH = 16.31			
CHORD BEAR = S 72°26'35.0" W			
LNTH CHORD = 15.60			
RADIUS = 15.90			
DEGREE = 360°21'02.9"			
11501	74.17 L	157+82.69	15th Street
	36.90	N 78°11'01.0" W	
DE11511	106.55 L	157+65.00	15th Street
REQD R/W	= 879.09	SF	
REQD R/W	= 0.020	ACRES	
REMAINDER	= +/- 1.0	ACRES	

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