

STREETSCAPE IMPROVEMENTS ON PENTZ STREET & CUYLER STREET

CITY OF DALTON, GEORGIA
TATL 22-0003

WHITFIELD COUNTY, GEORGIA

GMC

6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
T 770.952.2481
GMCNETWORK.COM

ISSUE	DATE
30% Review	
PPFR (60%)	
PPFR (90%)	
FINAL (100%)	

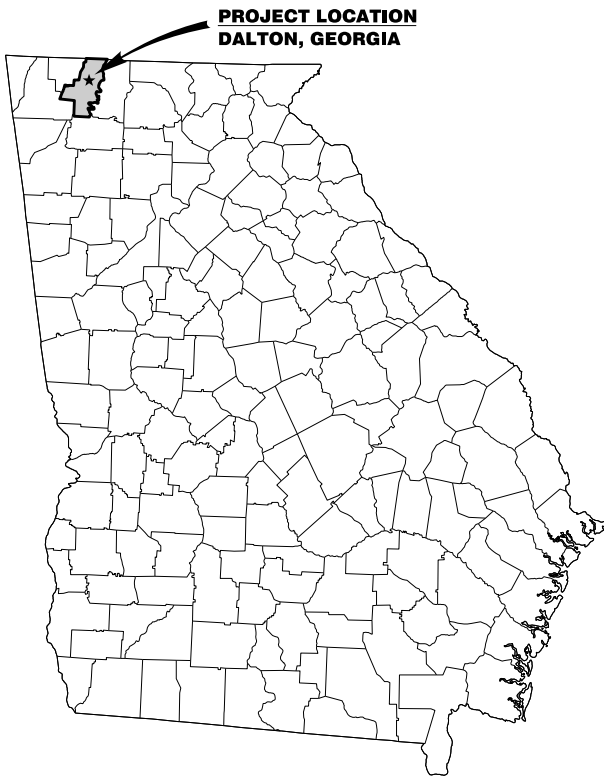
Streetscape Improvements on
Pentz Street & Cuyler Street
In the City of Dalton
Whitfield County, Georgia

GMC # TATL220003

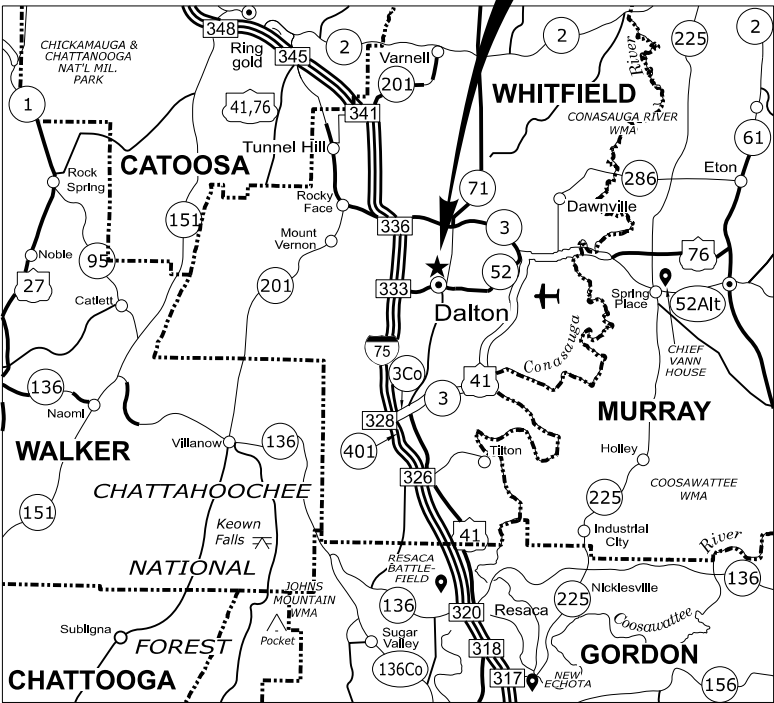
TITLE AND
LOCATION MAP

DRAWING NO.

01-0001

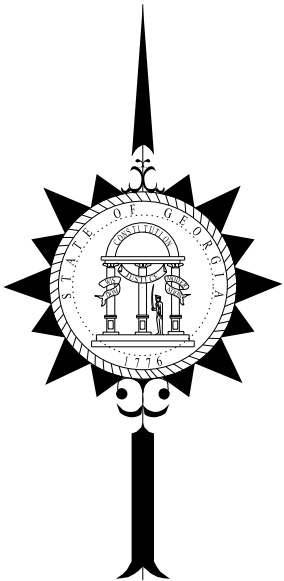


LOCATION MAP
NOT TO SCALE



VICINITY MAP
NOT TO SCALE

PROJECT LOCATION
PENTZ ST & CUYLER ST
DALTON, GEORGIA



ENGINEER'S CONTACT INFORMATION

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LEVEL II CERTIFICATION NO. 0000096525



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Know what's Below.
Call before you dig.

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GENERAL NOTES

1.

ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS CONSTRUCTION OF TRANSPORTATION SYSTEMS, 2021 EDITION, OR AS MODIFIED BY THE CONTRACT DOCUMENTS.
2.

THE INFORMATION PROVIDED IN THESE PLANS IS SOLELY TO ASSIST THE CONTRACTOR IN ASSESSING THE NATURE AND EXTENT OF THE SITE CONDITIONS WHICH MAY BE ENCOUNTERED DURING THE COURSE OF WORK. ALL CONTRACTORS ARE DIRECTED, PRIOR TO BIDDING, TO CONDUCT WHATEVER SITE INVESTIGATIONS THEY MAY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSIONS REGARDING THE ACTUAL CONDITIONS THAT WILL BE ENCOUNTERED. THE CONTRACTOR'S BID SHALL BE BASED UPON THE ACTUAL CONDITIONS OF THE SITE.
3.

THIS PROJECT IS BASED ON A UNIT PRICE CONTRACT. ALL WORK DESCRIBED, SHOWN, REFERENCED OR OTHERWISE INDICATED IN OR ON THE DRAWINGS, PROPOSAL, ADVERTISEMENT AND SPECIFICATIONS ARE TO BE COMPLETED IN-PLACE AND SERVICEABLE ACCORDING TO THE PLANS, INSTRUCTIONS, SPECIFICATIONS, LINES AND GRADES INDICATED ON THE PLANS AND ALL APPLICABLE STATE, FEDERAL AND MUNICIPAL CODES AND STANDARDS. INDIVIDUAL ITEMS OF WORK THAT ARE NECESSARY TO COMPLETE THE PROJECT TO THE LINES AND GRADES, WHETHER SHOWN OR DESCRIBED IN THE PLANS AND SPECIFICATIONS OR NOT, ARE TO BE CONSIDERED INCIDENTAL TO THE PROJECT AND ARE THE RESPONSIBILITY OF THE CONTRACTOR.
4.

THE CONTRACTOR SHALL BE REQUIRED TO HAVE A SITE COPY OF THE GEORGIA DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS AND CONSTRUCTION STANDARD DETAILS, CURRENT EDITION.
5.

A PRE-CONSTRUCTION CONFERENCE SHALL BE HELD WITH THE PROJECT REPRESENTATIVE FROM THE CITY OF DALTON PUBLIC WORKS DEPT. PRIOR TO BEGINNING CONSTRUCTION.
6.

JOB SAFETY IS THE CONTRACTOR'S RESPONSIBILITY AT ALL TIMES DURING THE CONSTRUCTION PERIOD. THE CONTRACTOR MUST COMPLY WITH OSHA, STATE AND LOCAL HEALTH AND SAFETY CODES.
7.

IN ACCORDANCE WITH SECTION 108.03 OF THE STANDARD SPECIFICATIONS, THE CONTRACTOR SHALL FURNISH A PROGRESS SCHEDULE TO THE CITY OF DALTON IMMEDIATELY FOLLOWING THE NOTICE TO PROCEED. THE PROGRESS SCHEDULE MAY BE ANY TYPE OF FORM, GRAPH, OR DIAGRAM THAT ACCURATELY REPRESENTS THE CRITICAL PATH SCHEDULE FOR THE MAJOR ITEMS OF WORK FOR THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL ALSO PROVIDE UPDATED SCHEDULES TO THE CITY AS NEEDED TO REFLECT ANY REVISIONS OR CHANGES TO THE APPROVED SCHEDULE.
8.

THE CONTRACTOR SHALL BE REQUIRED TO FURNISH, PLACE AND MAINTAIN ALL CONSTRUCTION STAKES, LINES AND GRADES NECESSARY FOR ESTABLISHING THE ACCURATE LOCATION OF ALL FEATURES OF CONSTRUCTION. ATTENTION IS DIRECTED TO SECTION 149 OF THE CURRENT GDOT SPECIFICATIONS REGARDING THE REQUIREMENTS FOR CONSTRUCTION LAYOUT. THIS WORK IS NOT PAID FOR SEPARATELY. THE COSTS FOR PERFORMING LAYOUT WORK ARE INCLUDED IN THE BID FOR THE ITEMS OF WORK TO WHICH THE LAYOUT IS INCIDENTAL.
9.

ALL LOT CORNERS, SURVEY MARKERS OR MONUMENTS DISTURBED BY CONSTRUCTION WILL BE REPLACED BY A LICENSED SURVEYOR AT THE CONTRACTOR'S EXPENSE.
10.

THE CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGE TO ADJACENT ROADS, UTILITIES, TREES AND STRUCTURES CAUSED DURING DEMOLITION AND CONSTRUCTION ACTIVITIES. THE CONTRACTOR IS ENCOURAGED TO DOCUMENT THE STATE OF EXISTING STRUCTURES USING PHOTOGRAPHS OR VIDEO TO ESTABLISH A RECORD OF THEIR CONDITION PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST TO REPAIR OR REPLACE ITEMS THAT ARE DAMAGED DURING CONSTRUCTION AT THEIR OWN EXPENSE.
11.

PROTECTING THE NEW WORK WILL BE THE CONTRACTOR'S RESPONSIBILITY UNTIL IT IS COMPLETED AND ACCEPTED BY THE OWNER. SITE SECURITY WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. DAMAGED WORK CAUSED BY VANDALISM WHILE UNDER CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
12.

THE CONTRACTOR SHALL INSTALL BRICK PAVER TRUNCATED DOMES AT ALL HANDICAP RAMPS WITHIN BRICK PAVING SECTIONS. ALL OTHER TRUNCATED DOMES SHALL BE A RECESSED CAST-IN-PLACE DETECTABLE WARNING PANEL, FEDERAL YELLOW IN COLOR. BOTH TYPES OF TRUNCATED DOMES SHALL MEET THE REQUIREMENTS OF GDOT STD. DWG. A-4 AND GDOT QPL-87 FOR NEW CONSTRUCTION.
13.

THE CONTRACTOR SHALL KEEP THE WORK SITE NEAT AND CLEAN AT ALL TIMES.
14.

SPALLED AND CRACKED CONCRETE SURFACES WILL NOT BE ACCEPTED, THE ENTIRE SECTION OF CONCRETE WHERE CRACKING OR SPALLING HAS OCCURRED WILL BE REMOVED AND REPLACED TO NEAREST JOINTS. PARTIAL CUTOUT OF SECTIONS TO PATCH CONCRETE WILL NOT BE ACCEPTED.
15.

STAGING AREAS MUST BE APPROVED IN ADVANCE BY THE OWNER. NO STAGING OR STORAGE OF MATERIALS IS PERMITTED ON PRIVATE PROPERTY UNLESS SPECIFICALLY GRANTED BY SIGNED WRITTEN APPROVAL PROVIDED BY THE CITY OF DALTON PROJECT REPRESENTATIVE AND THE PRIVATE PROPERTY LEGAL GRANTOR.
16.

IN AREAS WHERE NEW CURB, GUTTER, SIDEWALK, PAVEMENT AND/OR PAVEMENT WIDENING IS REQUIRED, SAW CUTTING OF THE EXISTING PAVEMENT AT ALL TIE POINTS WILL BE REQUIRED IN ACCORDANCE WITH SECTION 411 OF THE GEORGIA STANDARD SPECIFICATIONS AND WILL BE INCLUDED IN THE PRICE BID FOR "GRADING COMPLETE".
17.

ALL WORK SHALL MEET ADA (AMERICANS WITH DISABILITIES ACT) AND PROWAG (PUBLIC RIGHT-OF-WAY ACCESSIBILITY GUIDELINES) REQUIREMENTS UNLESS OTHERWISE DIRECTED BY THE ENGINEER. WALKWAY CROSS-SLOPES SHALL BE 2% (1:50) MAXIMUM AND SHALL SLOPE TOWARDS THE NATURAL DRAINAGE DIRECTION OF LAND UNLESS OTHERWISE SHOWN, HANDICAP RAMPS SHALL NOT EXCEED 8.33% (1:12).
18.

FINAL GRADE IN LANDSCAPED AREAS MUST BE SMOOTH. REMOVE ALL DEBRIS, ROCKS, LIMBS, STONES, ETC. LARGER THAN 1 ½ " IN ANY DIMENSION. ALL PLANTED AREAS SHALL RECEIVE 4" OF SUITABLE TOPSOIL (MINIMUM).
19.

EXCAVATED MATERIAL WILL NOT BE MEASURED SEPARATELY FOR PAYMENT, REGARDLESS OF THE TYPE OR CLASSIFICATION OF MATERIAL. ALL EXCAVATION SHALL BE INCLUDED IN THE OTHER ITEMS OF WORK IN WHICH THE EXCAVATION IS INCIDENTAL. SOIL BORING INFORMATION HAS BEEN INCLUDED IN THE CONTRACT DOCUMENTS FOR THE CONTRACTOR'S USE TO EVALUATE THE NATURE OF THE SUBSURFACE MATERIALS TO BE EXCAVATED. ROCK EXCAVATION OR THE EXCAVATION OF HARD SOILS SHALL BE REMOVED BY MEANS THAT WILL NOT DAMAGE OR JEOPARDIZE THE STRUCTURAL INTEGRITY OF ADJACENT BUILDINGS. BLASTING WILL NOT BE ALLOWED UNDER ANY CIRCUMSTANCES.

GENERAL NOTES (CONT'D)

20.

ALL MATERIAL AND WASTE SITES FOR THIS PROJECT SHALL BE ENVIRONMENTALLY APPROVED PRIOR TO CONSTRUCTION ACTIVITIES. 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 AN ENGINEERED FILL.
21.

THERE IS NO KNOWN SUITABLE PLACE TO BURY EXISTING CONSTRUCTION DEBRIS WITHIN THE PROJECT'S LIMITS. THE CONTRACTOR SHALL PROVIDE AN ENVIRONMENTALLY APPROVED SITE AS SHOWN IN GA, SPECIFICATION 201 TO DISPOSE OF EXISTING CONSTRUCTION DEBRIS AT NO ADDITIONAL COST TO THE CITY OF DALTON.
22.

THE CONTRACTOR WILL ENSURE THAT POSITIVE AND ADEQUATE DRAINAGE IS MAINTAINED AT ALL TIMES WITHIN THE PROJECT LIMITS. THIS MAY INCLUDE, BUT NOT LIMITED TO, REPLACEMENT OR RECONSTRUCTION OF EXISTING DRAINAGE STRUCTURES THAT HAVE BEEN DAMAGED OR REMOVED; OR, REGRADING AS REQUIRED BY THE ENGINEER. NO SEPARATE PAYMENT WILL BE MADE FOR ANY COST INCURRED TO COMPLY WITH THIS REQUIREMENT.
23.

THE CONTRACTOR WILL CLEAN DEBRIS AND SILT OUT OF ANY EXISTING DRAINAGE STRUCTURE AND ENSURE THAT STRUCTURES REMAIN CLEAR DURING CONSTRUCTION.
24.

ALL CONCRETE ITEMS THAT WILL BE VISIBLE AT THE SURFACE, INCLUDING BUT NOT LIMITED TO SIDEWALK, CURB AND GUTTER AND CONCRETE DRIVEWAYS, SHALL CONTAIN ALL WHITE SAND.
25.

ALL REFERENCES TO QUALITY CONTROL PRICE ADJUSTMENTS, LOT PAY FACTORS, FUEL COST ADJUSTMENTS, BITUMINOUS PRICE ADJUSTMENTS AND TEMPERATURE CORRECTION FACTORS IN THE GDOT SPECIFICATIONS SHALL NOT APPLY TO THIS PROJECT.
26.

THE REMOVAL AND DISPOSAL OF ALL DEMOLITION ITEMS, INCLUDING UTILITY REMOVAL ITEMS AND DRAINAGE REMOVAL ITEMS, SHALL BE INCLUDED IN THE ITEM OF GRADING COMPLETE, UNLESS OTHERWISE ESTABLISHED AS SEPARATE CONTRACT ITEMS.
27.

THE EXISTING CHAINLINK FENCE ALONG THE GLAZE SUPPLY COMPANY PROPERTY SHALL BE TEMPORARILY REMOVED AND NEATLY STORED ON THE PROPERTY AT A LOCATION DESIGNATED BY THE OWNER. THE CONTRACTOR SHALL REPLACE THE FENCE WITH TEMPORARY CONSTRUCTION FENCING THAT IS SUFFICIENT TO PROVIDE EQUIVALENT SECURITY TO THE GLAZE SUPPLY COMPANY PROPERTY. THE TEMPORARY CONSTRUCTION FENCE SHALL ALSO INCLUDE TEMPORARY GATE ACCESS AT EACH DRIVEWAY TURNOUT COMPLETE WITH ADEQUATE LOCKING MECHANISMS. AFTER THE COMPLETION OF THE ADJACENT SIDEWALK CONSTRUCTION, THE ORIGINAL CHAINLINK FENCING SHALL BE REINSTALLED BACK TO ITS ORIGINAL LOCATION. ANY ADDITIONAL REPLACEMENT HARDWARE OR FENCING MATERIALS THAT ARE NECESSARY TO RESTORE THE FENCE TO ITS ORIGINAL CONDITION SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE PROJECT. ALL OF THIS WORK SHALL BE INCLUDED IN THE ITEM OF GRADING COMPLETE. NO SEPARATE PAYMENT WILL BE MADE FOR THE TEMPORARY CONSTRUCTION FENCING OR FOR THE REMOVAL AND RESETING OF THE EXISTING FENCE.
28.

BRICK PAVER COLOR SAMPLES SHALL BE SUBMITTED TO THE CITY FOR REVIEW AND APPROVAL.
29.

ALL DRAINAGE PIPE MATERIALS SHALL BE CLASS 3 REINFORCED CONCRETE PIPE.
30.

ALL WORK BETWEEN STA: 14+61.00 AND 17+25.00 ON THE WEST SIDE OF PENTZ STREET AND BETWEEN STA: 43+28.00 AND 45+38.00 ON THE NORTH SIDE OF CUYLER STREET SHALL BE CONSTRUCTED BY OTHERS WITH THE EXCEPTION OF THE PLANTING OF TREES IN THIS AREA, MILLING, INLAY AND ALL WORK REQUIRED TO CONSTRUCT THE STORM DRAINAGE SYSTEM GOING TO AND THROUGH MANHOLE A-17 (E.G. UTILITY CONFLICTS, DRAINAGE PIPE, MANHOLE, EROSION CONTROL).

UTILITY NOTES

1.

THE EXISTENCE, ABSENCE, LOCATION AND ELEVATION OF UNDERGROUND UTILITIES ON THE PLANS ARE NOT GUARANTEED. THE CONTRACTOR SHALL VERIFY LOCATION AND DEPTH OF UTILITIES ON SITE AND PROTECT EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION. THE CONTRACTOR SHALL BE REQUIRED TO USE THE ONE-CALL CENTER 811 "CALL BEFORE YOU DIG" AT LEAST 48 HOURS PRIOR TO START OF CONSTRUCTION. ALL UTILITIES ARE TO REMAIN UNLESS NOTED OTHERWISE. THE CONTRACTOR IS TO USE EXTREME CARE IN PROTECTION OF ALL UTILITIES THROUGHOUT THE WORK PROCESS. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE COST TO REPAIR OR REPLACE ANY UTILITIES DAMAGED DURING CONSTRUCTION DUE TO THEIR FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UTILITIES. THE CONTRACTOR'S ATTENTION IS CALLED TO SUB-SECTION 105.06 "COOPERATION WITH UTILITIES".
2.

THE FOLLOWING UTILITY OWNERS HAVE FACILITIES IN THE PROJECT AREA:

UTILITY OWNER	SERVICE	CONTACT NUMBERS
DALTON UTILITIES	WATER/WASTEWATER	(706) 463-1004 - CHARLIE MORROW
DALTON UTILITIES	ELECTRIC/NATURAL GAS	(706) 529-1202 - DAVID KEATON
DALTON UTILITIES	OPTILINK	(706) 529-1053 - TIMMY MCNEESE
WINDSTREAM	CABLE/TELEPHONE	(762) 231-6570 - SLOAN GILES
SPECTRUM	CABLE/TELEPHONE	(706) 463-2083 - DAVID DALE

3.

IF ANY UNEXPECTED UTILITIES ARE DETERMINED TO BE IN CONFLICT WITH THE PROPOSED WORK, ALL WORK IN THAT AREA SHALL STOP AND THE CONTRACTOR AND/OR THEIR AGENT SHALL NOTIFY THE ENGINEER IMMEDIATELY. NEITHER THE CONTRACTOR NOR THEIR AGENTS SHALL TAKE IT UPON THEMSELVES TO MAKE ADJUSTMENTS TO THE PROPOSED WORK OR TO THE EXISTING UTILITY WITHOUT PRIOR AUTHORIZATION FROM THE ENGINEER AND/OR OWNER.
4.

THE CONTRACTOR IS REQUIRED TO NOTIFY DALTON UTILITIES AT LEAST 72 HOURS IN ADVANCE OF ANY PLANNED SUSPENSION OF WATER SERVICE. THE CONTRACTOR SHALL OBTAIN WRITTEN AUTHORIZATION FROM DALTON UTILITIES PRIOR TO SUSPENDING OR INTERRUPTING WATER SERVICE TO ANY FACILITY.
5.

IF, IN THE COURSE OF CONSTRUCTION, A CONFLICT ARISES BETWEEN THE NEW WORK AND THE EXISTING WATER AND SEWER FACILITIES, IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CORRECT THE DISCREPANCY UTILIZING ONE OF THE CONFLICT OPTIONS SHOWN IN THE PLANS AS DIRECTED BY A REPRESENTATIVE OF THE CITY OR DALTON UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR ALL ASPECTS OF ANY WATER AND/OR SANITARY SEWER LINE REPLACEMENTS OR RELOCATIONS DUE TO DRAINAGE CONFLICTS. THE OPERATION OF WATER SYSTEM VALVES, IF ANY, SHALL BE THE RESPONSIBILITY OF THE OWNER BUT SHALL BE COORDINATED BY THE CONTRACTOR.

UTILITY NOTES (CONT'D)

6.

REPLACED, RELOCATED AND NEW WATER MAINS MUST BE TESTED BY THE CONTRACTOR AND APPROVED BY DALTON UTILITIES BEFORE BEING PUT INTO SERVICE.
7.

A DALTON UTILITY INSPECTOR SHALL BE PRESENT WHEN A TAP OR TIE -IN OCCURS FOR WATER AND SANITARY SEWER.
8.

THE CONTRACTOR SHALL ADJUST UTILITY COVERS (MANHOLE COVERS, METER BOXES, CLEAN-OUTS, ETC.) TO NEW GRADES AS REQUIRED.

EROSION CONTROL NOTES

1.

THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY SOIL EROSION, SEDIMENT AND POLLUTION CONTROL TO PROTECT THE PROJECT SITE, ADJACENT PROPERTY AND NEARBY WATERS FROM DAMAGE BY SEDIMENT TRANSPORT AND DEPOSITION DURING CONSTRUCTION. THE EROSION AND SEDIMENT CONTROL PLANS INCLUDED HEREIN ARE CONSIDERED TO BE THE ABSOLUTE MINIMUM REQUIRED FOR CONTROLLING SOIL EROSION AND SEDIMENT TRANSPORT ON THE PROJECT. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN THE APPROPRIATE BEST MANAGEMENT PRACTICES (BMPS) NECESSARY TO CONTROL SOIL EROSION AND SEDIMENT TRANSPORT, WHETHER INDICATED ON THE PLANS OR NOT.
2.

A NOTICE OF INTENT FOR NPDES PERMIT COVERAGE IS NOT REQUIRED FOR THIS PROJECT. ATTENTION IS DIRECTED TO SECTION 107.13(B) OF THE CURRENT GDOT SPECIFICATIONS REGARDING THE CONTRACTOR'S RESPONSIBILITY FOR STORMWATER MANAGEMENT. THE CONTRACTOR IS REQUIRED TO PROVIDE CERTIFIED PERSONNEL WHO HAVE SUCCESSFULLY COMPLETED THE LEVEL IA, OR HIGHER, CERTIFICATION COURSE APPROVED BY THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION TO PERFORM SITE INSPECTIONS OF THE BMPS. THE NAME AND CONTACT INFORMATION FOR THE CERTIFIED PERSONNEL SHALL BE MADE AVAILABLE TO THE CITY OF DALTON PRIOR TO WORK COMMENCEMENT.
3.

ANY PERMIT APPLICATION FEES OR ENFORCEMENT FINES ASSOCIATED WITH EROSION, SEDIMENTATION AND POLLUTION CONTROL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND NOT THE OWNER OR ENGINEER.
4.

ALL AREAS DISTURBED BY THE CONTRACTOR WITHIN AND ADJACENT TO THE PROJECT LIMITS SHALL BE NEATLY DRESSED AND STABILIZED IN A MANNER TO ESTABLISH POSITIVE FLOW DURING CONSTRUCTION. MULCHING IS THE PREFERRED METHOD OF TEMPORARY STABILIZATION PRIOR TO THE PLACEMENT OF PERMANENT SOD. HOWEVER, THE CONTRACTOR MAY BE REQUIRED TO APPLY TEMPORARY GRASSING AS DIRECTED BY THE ENGINEER TO STABILIZE AREAS PRIOR TO THE PLACEMENT OF THE PERMANENT SOD. NO MEASUREMENTS WILL BE MADE FOR TEMPORARY EROSION AND SEDIMENT CONTROL. ALL WORK AND MATERIALS REQUIRED TO MAINTAIN A STABILIZED WORK AREA, INCLUDING THE PLACEMENT OF MULTIPLE APPLICATIONS OF MULCHING AND/OR TEMPORARY GRASSING, SHALL BE INCLUDED IN THE LUMP SUM BID PRICE FOR THE TEMPORARY EROSION AND SEDIMENT CONTROL ITEM SHOWN IN THE BID SCHEDULE.

TRAFFIC CONTROL NOTES

1.

THE CONTRACTOR WILL BE RESPONSIBLE FOR PREPARING A TRAFFIC CONTROL PLAN SHOWING THE PROPOSED MEASURES TO MANAGE BOTH VEHICULAR AND PEDESTRIAN TRAFFIC DURING CONSTRUCTION ACTIVITIES. THE PLAN SHALL CONFORM TO THE CURRENT EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND GEORGIA DOT SPECIFICATION 150.
2.

THE CONTRACTOR SHALL MAINTAIN ACCESSIBLE ROUTES FOR THROUGH TRAFFIC AT ALL TIMES UNLESS APPROVAL IS PROVIDED BY THE CITY OF DALTON PUBLIC WORKS DEPARTMENT'S PROJECT REPRESENTATIVE.
3.

LANE CLOSURES WILL REQUIRE PROPER LANE TAPERS AND ADVANCED WARNINGS PER GEORGIA DOT STANDARDS. ALL LANE CLOSURES MUST BE APPROVED BY AND COORDINATED WITH THE CITY OF DALTON.
4.

ACCESS TO BUSINESSES SHALL BE PROVIDED AT ALL TIMES. THE CONTRACTOR SHALL COORDINATE WITH ALL BUSINESS OWNERS REGARDING DELIVERY SCHEDULES TO INSURE ALL REGULAR DELIVERIES ARE ACCOMMODATED AND MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT.
5.

THE CONTRACTOR SHALL USE TEMPORARY PEDESTRIAN BOARDWALKS, HEAVY RUBBER MATS, CONSTRUCTION SAFETY FENCE AND CAUTION TAPE AS DIRECTED BY THE ENGINEER FOR THE PURPOSE OF DIRECTING PEDESTRIAN TRAFFIC SAFELY THROUGH THE CONSTRUCTION WORK AREAS TO PROVIDE ACCESS TO ALL RESIDENCES AND BUSINESSES.
6.

ALL TRAFFIC MARKINGS, SYMBOLS OR STRIPING TO BE REMOVED AND/OR REPLACED WITH TEMPORARY STRIPING OR MARKINGS DURING CONSTRUCTION SHALL BE PAID FOR IN THE TRAFFIC CONTROL LUMP SUM ITEM

STANDARD SIGNS NOTES

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; THE GDOT STANDARD SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS AND 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 WITHOUT PRIOR APPROVAL.
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.
4.

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).
5.

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.
6.

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).



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GMCNETWORK.COM

Streetscape Improvements on
Pentz Street & Cuyler Street

In the City of Dalton
Whitfield County, Georgia

GMC # TATL220003

GENERAL NOTES

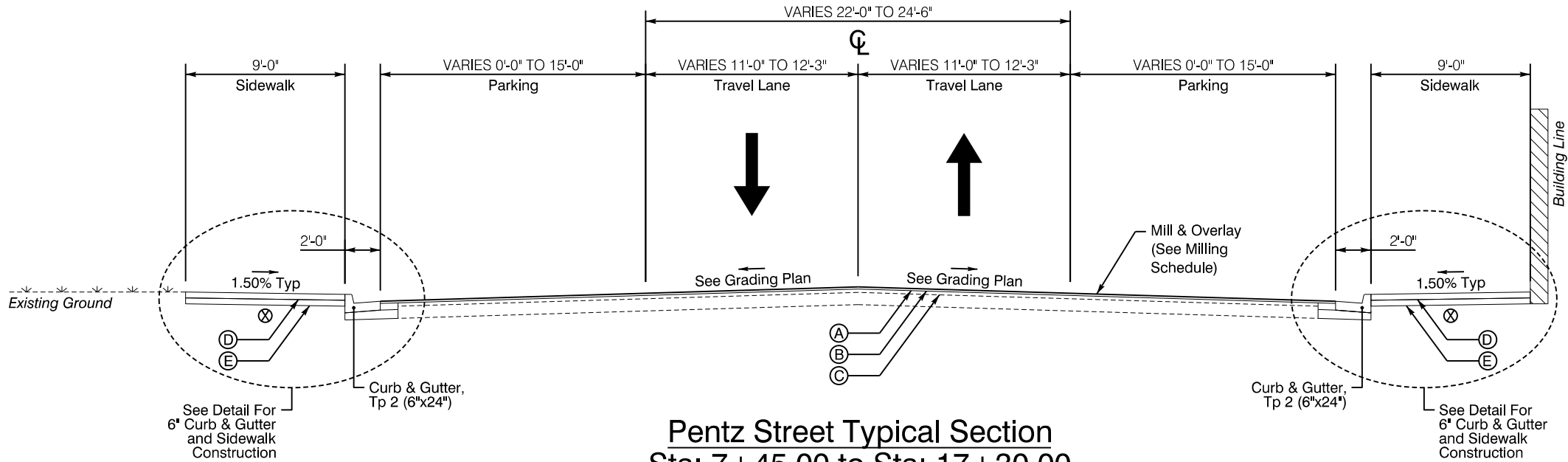
DRAWING NO.

04-0001

PENTZ STREET		
START STATION	END STATION	MILL
07+45.00	13+25.00	1.5 INCHES
13+25.00	13+75.00	1.5 TO 0 INCHES
13+75.00	16+80.00	0 INCHES
16+80.00	17+30.00	0 TO 1.5 INCHES

CUYLER STREET		
START STATION	END STATION	MILL
37+93.02	39+75.00	1.5 INCHES
39+75.00	40+25.00	1.5 TO 0 INCHES
40+25.00	45+75.00	0 INCHES
45+75.00	46+25.00	0 TO 1.5 INCHES
46+25.00	48+70.48	1.5 INCHES

MILLING SCHEDULE



Pentz Street Typical Section
Sta: 7+45.00 to Sta: 17+30.00

Cuyler Street Typical Section
Sta: 37+93.02 to Sta: 48+70.48

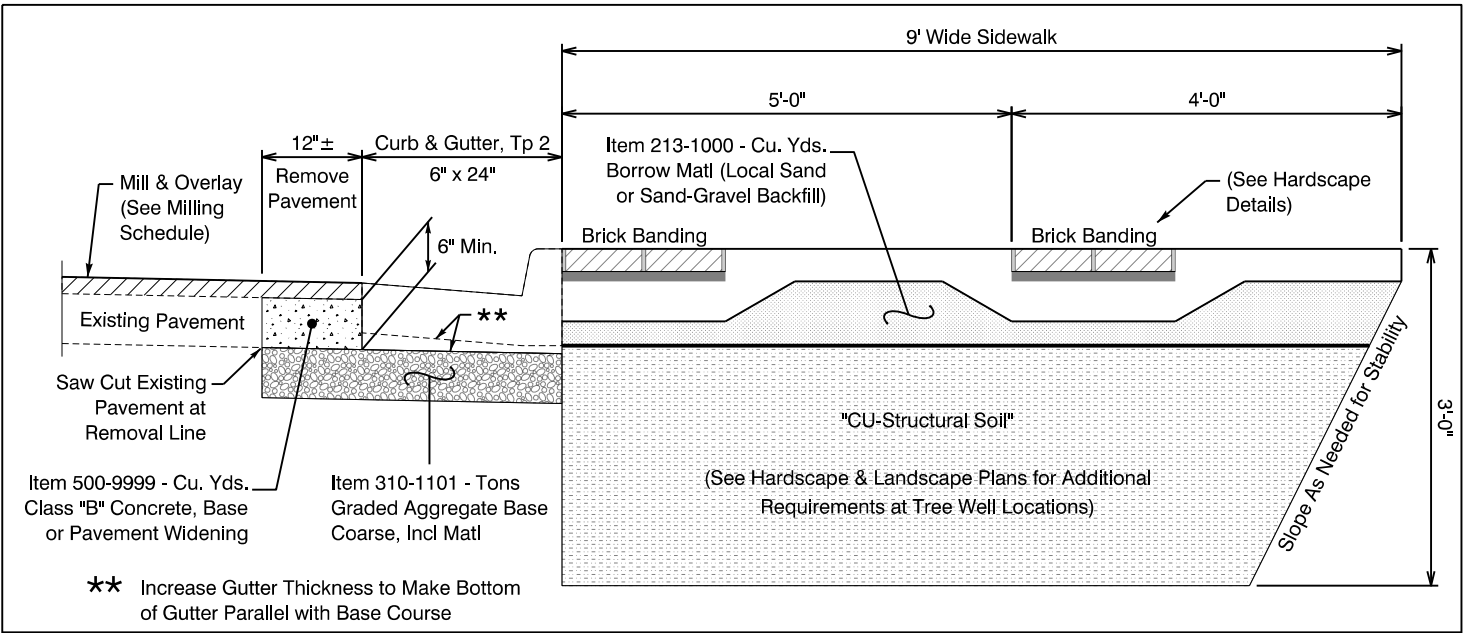
REQUIRED PAVEMENT

- (A) 402-3130 RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME, 165 LB/SY
- (B) 432-0206 MILL ASPH CONC PVMT, VARIABLE DEPTH
- (C) 402-1812 RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME
- (D) 441-0104 CONC SIDEWALK, 4 IN -AND- 900-0039 BRICK PAVERS
- (E) 213-1000 BORROW MATL (LOCAL SAND OR SAND-GRAVEL BACKFILL)

⊗ After Demolition, the Existing Ground Below New Sidewalks and Driveways Shall Be Cleared of All Roots, Trash or Other Debris. After Final Excavation and Before Placement of Fill Material, the Top Surface of the Existing Ground Shall Be Compacted to the Satisfaction of the Engineer.

△ The Sand or Sand-Gravel Backfill Material Shall Be Placed as Directed by the Engineer for Leveling the Surface Under New Sidewalks and Driveways. The Sand or Sand-Gravel Layer Shall Be Graded and Compacted in Accordance with Section 213 of the Special Provisions.

□ Asphalt Leveling as Required, Refer to the Special Grading Plan for Required Leveling Locations.



DETAIL FOR 6" CURB & GUTTER AND SIDEWALK CONSTRUCTION
(SEE PLANS FOR ACTUAL LOCATIONS)

GMC

6120 Powers Ferry Road NW, Suite 200
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T 770.952.2481
GMCNETWORK.COM

ISSUE	DATE
30% Review	
PPFR (60%)	
PPFR (90%)	
FINAL (100%)	

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In the City of Dalton
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GMC # TATL220003

NOT TO SCALE

Typical Sections

DRAWING NO.

05-0001

QUANTITY	ITEM	UNIT	DESCRIPTION
1	150-1000	LS	TRAFFIC CONTROL
1	163-0240	LS	TEMPORARY EROSION AND SEDIMENT CONTROL
3750	207-0203	CY	FOUND BKFILL MATL, TP II
1	210-0100	LS	GRADING COMPLETE
300	213-1000	CY	BORROW MATL (LOCAL SAND OR SAND-GRAVEL BACKFILL)
500	310-1101	TN	GR AGGR BASE CRS, INCL MATL
50	402-1801	TN	RECYCLED ASPH CONC PATCHING, INCL BITUM MATL
300	402-1812	TN	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME
1050	402-3130	TN	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME
1300	413-0750	GL	TACK COAT
6700	432-5010	SY	MILL ASPH CONC PVMT, VARIABLE DEPTH
2600	441-0104	SY	CONC SIDEWALK, 4 IN (CLASS A CONC WITH ALL WHITE SAND)
850	441-4030	SY	CONC VALLEY GUTTER, 8 IN (CLASS A CONC WITH ALL WHITE SAND)
50	441-5002	LF	CONCRETE HEADER CURB, 6 IN, TP 2 (CLASS A CONC WITH ALL WHITE SAND)
3100	441-6012	LF	CONC CURB & GUTTER, 6 IN X 24 IN, TP 2 (CLASS A CONC WITH ALL WHITE SAND)
23	500-3800	EA	CLASS A CONCRETE WITH ALL WHITE SAND, INCL REINF STEEL (LIGHT POLE FOUNDATIONS)
775	500-9999	CY	CLASS B CONC, BASE OR PVMT WIDENING
781	550-1180	LF	STORM DRAIN PIPE, 18 IN, H 1-10
294	550-1240	LF	STORM DRAIN PIPE, 24 IN, H 1-10
291	550-1360	LF	STORM DRAIN PIPE, 36 IN, H 1-10
227	550-1361	LF	STORM DRAIN PIPE, 36 IN, H 10-15
257	550-1480	LF	STORM DRAIN PIPE, 48 IN, H 1-10
132	550-1481	LF	STORM DRAIN PIPE, 48 IN, H 10-15
255	550-2999	LF	PIPE ARCH OR ELLIPTICAL - 65 IN X 40 IN, H 1-10
50	573-1006	LF	UNDDR PIPE ONLY, 6 IN
75	600-0001	CY	FLOWABLE FILL
1	611-3010	EA	RECONSTR DROP INLET, GROUP 1
5	611-3030	EA	RECONSTR STORM SEW MANHOLE, TYPE 1
2	611-8050	EA	ADJUST MANHOLE TO GRADE
32	611-8120	EA	ADJUST WATER METER BOX TO GRADE (INCL NEW METER BOX AND COVER)
3	611-8140	EA	ADJUST WATER VALVE BOX TO GRADE
5	611-8150	EA	ADJUST SEWER LATERAL CLEANOUT TO GRADE (INCL NEW BRASS CAP)
2	611-8160	EA	ADJUST GAS VALVE BOX TO GRADE
50	615-1000	LF	UTILITY CONFLICT ADJUSTMENT - ENCASEMENT PIPE
5	636-1033	SF	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 9
42	636-2070	LF	GALV STEEL POSTS, TP 7
3	639-3004	EA	STEEL STRAIN POLE, TP IV (FOUNDATION ONLY)
2	639-3014	EA	STEEL STRAIN POLE, TP IV, INCL LUMINAIRE (FOUNDATION ONLY)

QUANTITY	ITEM	UNIT	DESCRIPTION
3	653-0095	EA	THERMOPLASTIC PVMT MARKING, HANDICAP SYMBOL
1	653-0110	EA	THERMOPLASTIC PVMT MARKING, ARROW, TP 1
3	653-0120	EA	THERMOPLASTIC PVMT MARKING, ARROW, TP 2
2	653-0130	EA	THERMOPLASTIC PVMT MARKING, ARROW, TP 3
150	653-1704	LF	THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE
600	653-1804	LF	THERMOPLASTIC SOLID TRAF STRIPE, 8 IN, WHITE
1	653-2501	LM	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE
1	653-2502	LM	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW
50	653-3501	GLF	THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, WHITE
50	660-1625	LF	UTILITY CONFLICT ADJUSTMENT - SEWER MAIN, DUCTILE IRON, 8 IN
50	660-2050	LF	UTILITY CONFLICT ADJUSTMENT - SEWER LATERAL
16	668-2100	EA	DROP INLET, GP 1
8	668-4300	EA	STORM SEWER MANHOLE, TP 1
12	668-4311	LF	STORM SEWER MANHOLE, TP 1, ADDL DEPTH, CL 1
11	668-4312	LF	STORM SEWER MANHOLE, TP 1, ADDL DEPTH, CL 2
7	668-4400	EA	STORM SEWER MANHOLE, TP 2
5	668-4411	LF	STORM SEWER MANHOLE, TP 2, ADDL DEPTH, CL 1
12	668-4412	LF	STORM SEWER MANHOLE, TP 2, ADDL DEPTH, CL 2
150	670-1010	LF	UTILITY CONFLICT ADJUSTMENT - WATER MAIN
150	670-5000	LF	UTILITY CONFLICT ADJUSTMENT - WATER SERVICE LINE
8	682-2120	EA	PULL BOX, TYPE 2
2600	682-6230	LF	DOUBLE CONDUIT, NONMETL, TP 3, 1 IN
300	682-6233	LF	TRIPLE CONDUIT, NONMETL, TP 3, 1 IN
12750	682-7065	LF	CONDUIT DUCT BANK, 4 IN
6000	682-7066	LF	CONDUIT DUCT BANK, 6 IN
600	682-7070	LF	CONDUIT DUCT BANK (DIRECTIONAL BORE INSTALLATION), 4 IN
200	682-7071	LF	CONDUIT DUCT BANK (DIRECTIONAL BORE INSTALLATION), 8 IN
31	682-9027	EA	COMMUNICATIONS BOX
110	682-9950	LF	DIRECTIONAL BORE, 5 IN
150	700-9300	SY	SOD
33	702-0030	EA	ACER RUBRUM - 'JFS-KW78' (ARMSTRONG GOLD® MAPLE), 2 IN CAL
26	702-0120	EA	CARPINUS CAROLINIANA - 'CCMTF1' (COLLYNAIR® AMERICAN HORNBEAM), 2 IN CAL
14	702-0290	EA	GINKGO BILOBA - 'JFS-UGA2' TM (GOLDEN COLONNADE® MAIDENHAIR TREE), 2 IN CAL
7	702-1081	EA	ULMUS AMERICANA - 'PRINCETON' (PRINCETON AMERICAN ELM), 2 IN CAL
68	703-4200	EA	TREE WELL
9500	900-0039	SF	BRICK PAVERS
150	900-0040	SF	BRICK PAVERS (RESET)



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ISSUE	DATE
30% Review	
PPFR (60%)	
FFPR (90%)	
FINAL (100%)	

Streetscape Improvements on
Pentz Street & Cuyler Street
In the City of Dalton
Whitfield County, Georgia

GMC # TATL220003

Summary of
Quantities

GRADING COMPLETE SCHEDULE (FOR INFORMATION ONLY)		
DESCRIPTION	UNIT	PENTZ & CUYLER
CONCRETE REMOVAL (SIDEWALK, DRIVEWAY, ETC.)	SY	2025
ASPHALT PAVEMENT REMOVAL	SY	1446
CURB, CURB & GUTTER, GUTTER REMOVAL	LF	2126
RESET FENCE AT GLAZE SUPPLY COMPANY	LF	235

REQUIRED HARDSCAPE ITEMS					
PAY ITEM	DESCRIPTION	UNIT	PENTZ & CUYLER	AS DIRECTED	TOTAL
213-1000	BORROW MATL (LOCAL SAND OR SAND-GRAVEL BACKFILL)	CY	280	20	300
441-0104	CONC SIDEWALK, 4 IN (CLASS A CONC WITH ALL WHITE SAND)	SY	2522	78	2600
900-0039	BRICK PAVERS	SF	9322	178	9500
900-0040	BRICK PAVERS (RESET)	SF	135	15	150

REQUIRED ROADWAY PAVING ITEMS					
PAY ITEM	DESCRIPTION	UNIT	PENTZ & CUYLER	AS DIRECTED	TOTAL
310-1101	GR AGGR BASE CRS, INCL MATL	TN	396	104	500
402-1801	RECYCLED ASPH CONC PATCHING, INCL BITUM MATL	TN		50	50
402-1812	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	TN	258	42	300
402-3130	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME	TN	983	67	1050
413-0750	TACK COAT	GL	1242	58	1300
432-5010	MILL ASPH CONC PVMT, VARIABLE DEPTH	SY	6554	146	6700
441-4030	CONC VALLEY GUTTER, 8 IN (CLASS A CONC WITH ALL WHITE SAND)	SY	763	87	850
441-5002	CONCRETE HEADER CURB, 6 IN, TP 2 (CLASS A CONC WITH ALL WHITE SAND)	LF	47	3	50
441-6012	CONC CURB & GUTTER, 6 IN X 24 IN, TP 2 (CLASS A CONC WITH ALL WHITE SAND)	LF	3036	64	3100
500-9999	CLASS B CONC, BASE OR PVMT WIDENING	CY	55	20	75

REQUIRED PAVEMENT STRIPING AND PAVEMENT MARKING ITEMS						
PAY ITEM	DESCRIPTION	UNIT	PENTZ STREET	CUYLER STREET	AS DIRECTED	TOTAL
653-0095	THERMOPLASTIC PVMT MARKING, HANDICAP SYMBOL	EA	2	1	0	3
653-0110	THERMOPLASTIC PVMT MARKING, ARROW, TP 1	EA	1	0	0	1
653-0120	THERMOPLASTIC PVMT MARKING, ARROW, TP 2	EA	1	2	0	3
653-0130	THERMOPLASTIC PVMT MARKING, ARROW, TP 3	EA	0	2	0	2
653-1704	THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	LF	64.3	69.5	16.2	150
653-1804	THERMOPLASTIC SOLID TRAF STRIPE, 8 IN, WHITE	LF	180	411.8	8.2	600
653-2501	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	LM	0.4	0.6	0	1
653-2502	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	LM	0.2	0.4	0.4	1
653-3501	THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, WHITE	GLF	0	42.3	7.7	50

REQUIRED SIGNING ITEMS					
STATION	MUTCD CODE	SIZE	636-1033 HIGHWAY SIGNS, TP 1 MAT'L, REFL SHEETING, TP 9	636-2070 GALV STEEL POSTS, TP 7	DESCRIPTION
			SF	LF	
13+68.00	R7-8	12"x18"	1.5	14	
15+35.00	R7-8	12"x18"	1.5	14	
44+73.00	R7-8	12"x18"	1.5	14	
TOTAL			5	42	

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FFPR (90%)	
FINAL (100%)	

**Streetscape Improvements on
Pentz Street & Cuyler Street**
In the City of Dalton
Whitfield County, Georgia

GMC # TAT1220003

Summary of Quantities

DRAWING NO.
06-0002



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REQUIRED DRAINAGE ITEMS																								
DRAINAGE STRUCTURE	STATION	SIDE	HEIGHT	DESCRIPTION	207-0203 FOUND BKILL MAT'L, TP II	500-9999 CLASS B CONC, BASE OR PVM'T WIDENING	550-1180 STORM DRAIN PIPE, 18 IN, H 1'-10	550-1240 STORM DRAIN PIPE, 24 IN, H 1'-10	550-1360 STORM DRAIN PIPE, 36 IN, H 1'-10	550-1361 STORM DRAIN PIPE, 36 IN, H 10'-15	550-1480 STORM DRAIN PIPE, 48 IN, H 1'-10	550-1481 STORM DRAIN PIPE, 48 IN, H 10'-15	550-2999 PIPE ARCH OR ELLIPTICAL - 65 IN X 40 IN, H 1'-10	573-1006 UNDDR PIPE ONLY, 6 IN	611-3010 RECONSTR DROP INLET, GROUP 1	611-3030 RECONSTR STORM SEW MANHOLE, TYPE 1	668-2100 DROP INLET, GP 1	668-4300 STORM SEWER MANHOLE, TP 1	668-4311 STORM SEWER MANHOLE, TP 1, ADDL DEPTH, CL 1	668-4312 STORM SEWER MANHOLE, TP 1, ADDL DEPTH, CL 2	668-4400 STORM SEWER MANHOLE, TP 2	668-4411 STORM SEWER MANHOLE, TP 2, ADDL DEPTH, CL 1	668-4412 STORM SEWER MANHOLE, TP 2, ADDL DEPTH, CL 2	NOTES
X-#	##+##.##	LT / RT	FT	GA ST'ND DWG #	CY	CY	LF	LF	LF	LF	LF	LF	LF	LF	EACH	EACH	EACH	EACH	LF	LF	EACH	LF	LF	
A-1	07+79.00	LT	5.38	1011A	19.39	6.6			38												1			
A-2	08+37.00	LT	5.72	1011A	50.73	13.6							58								1			
A-3	09+92.12	LT	7.85	1011A	174.29	36.4							155								1	1.9		
A-4	09+87.30	RT	7.36	1011A	61.58	10.2		69										1	1.4					
A-5	10+33.39	LT	7.40	1011A	61.86	9.9							42								1	1.4		
A-6	10+32.29	RT	6.36	1019A TYPE E	13.67	5.7	39								1									
A-7	11+40.00	LT	7.94	1011A	115.37	21.1					107										1	1.9		
A-8	11+42.00	RT	4.00	1019A TYPE E	15.62	6.1	45										1							REQUIRES DOUBLE GRATE
A-9	11+41.53	LT	5.35	1011A	6.53	1.6		11								1								
A-10	11+65.00	LT	4.00	1019A TYPE E	3.03		25										1							REQUIRES DOUBLE GRATE
A-11	12+90.00	LT	10.59	1011A	193.50	29.6					150										1		4.6	
A-12	12+90.00	RT	4.00	1019A TYPE E	15.62	6.1	45										1							REQUIRES DOUBLE GRATE
A-13	13+25.00	LT	4.00	1019A TYPE E	4.22		36										1							REQUIRES DOUBLE GRATE
A-14	14+22.00	LT	13.26	1011A	258.19	26.1						132									1		7.3	
A-15	46+00.00	RT	4.00	1019A TYPE C	15.42	3.4	68										1							
A-16	46+35.00	RT	4.00	1019A TYPE E	4.11		35										1							
A-17	14+59.00	LT	11.83	1011A	69.03	6.6				38								1		5.8				
A-18	45+98.00	LT	4.50	1019A TYPE E	13.25	3.4	58										1							REQUIRES DOUBLE GRATE
A-19	15+17.00	RT	9.86	1011A	89.63	11.1			64									1	3.9					
A-20	15+19.00	RT	4.00	1019A TYPE E	4.23	1.4	10										1							REQUIRES DOUBLE GRATE
A-21	16+25.00	RT	8.28	1011A	129.30	18.7			108															
A-22	16+37.00	RT	4.00	1019A TYPE E	5.86	2.0	15										1							REQUIRES DOUBLE GRATE
A-24	44+97.00	RT	11.45	1011A	67.35	6.4				37								1		5.5				
A-25	44+72.00	RT	4.00	1019A TYPE E	10.09	3.8	28										1							
A-26	43+45.00	RT	9.30	1011A	207.36	26.3				152								1	3.3					
A-27	43+43.00	RT	4.00	1019A TYPE E	5.21	1.8	13										1							REQUIRES DOUBLE GRATE
A-28	42+64.29	RT	8.51	1011A	97.85	14.0			81									1	2.5					
A-29	42+42.00	LT	4.87	1019A TYPE E	6.18	2.2	16																	
A-30	42+92.00	LT	4.26	1019A TYPE E	17.24	6.8	50																	
A-31	41+70.00	RT	7.27	1011A	82.96	13.9		94										1	1.3					
A-32	41+68.00	RT	4.00	1019A TYPE E	5.21	1.8	13																	REQUIRES DOUBLE GRATE
A-33	41+54.00	LT	3.50	1019A TYPE E	15.62	6.1	45										1							REQUIRES DOUBLE GRATE
A-34	40+50.00	RT	6.00	1011A	77.48	19.0	15	120								1		1						
A-35	39+80.00	RT	4.00	1019A TYPE E	15.64	4.5	69																	REQUIRES DOUBLE GRATE
A-36	40+13.00	LT	4.00	1019A TYPE E	18.87	7.5	55																	REQUIRES DOUBLE GRATE
B-1	38+40.87	RT	4.68	1011A & 1019A TYPE E												1	1							
B-2	38+65.22	LT	3.50	1011A & 1019A TYPE E												1	1							
C-1	46+97.50	LT	3.33	1011A & 1019A TYPE E	4.97		43									1	1							REQUIRES DOUBLE GRATE
C-2	47+87.00	LT	3.87	1019A TYPE E	4.97		43										1							REQUIRES DOUBLE GRATE
SUBTOTAL					1961.40	333.5	766	294	291	227	257	132	255	0	1	5	16	8	12	11	7	5	12	<div></div>
AS DIRECTED BY ENGINEER					38.60	66.5	15	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	0	
TOTAL					2000	400	781	294	291	227	257	132	255	50	1	5	16	8	12	11	7	5	12	

Streetscape Improvements on
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FINAL (100%)	

Summary of
Quantities

DRAWING NO.

06-0003

GMC # TATL220003

REQUIRED LANDSCAPE ITEMS					
PAY ITEM	DESCRIPTION	UNIT	PENTZ & CUYLER	AS DIRECTED	TOTAL
700-9300	SOD	SY	136	14	150
702-0030	ACER RUBRUM - 'JFS-KW78' (ARMSTRONG GOLD® MAPLE), 2 IN CAL	EACH	33		33
702-0120	CARPINUS CAROLINIANA - 'CCMTF1' (COLLYNAIR® AMERICAN HORNBEAM), 2 IN CAL	EACH	26		26
702-0290	GINKGO BILOBA - 'JFS-UGA2' TM (GOLDEN COLONNADE® MAIDENHAIR TREE), 2 IN CAL	EACH	14		14
702-1081	ULMUS AMERICANA - 'PRINCETON' (PRINCETON AMERICAN ELM), 2 IN CAL	EACH	7		7
703-4200	TREE WELL	EACH	68		68

REQUIRED ELECTRICAL ITEMS			
PAY ITEM	DESCRIPTION	UNIT	TOTAL
207-0203	FOUND BKFILL MATL, TP II	CY	1750
500-9999	CLASS B CONC, BASE OR PVMT WIDENING	CY	300
682-7065	CONDUIT DUCT BANK, 4 IN	LF	12750
682-7066	CONDUIT DUCT BANK, 6 IN	LF	6000
682-7070	CONDUIT DUCT BANK (DIRECTIONAL BORE INSTALLATION), 4 IN	LF	600
682-7071	CONDUIT DUCT BANK (DIRECTIONAL BORE INSTALLATION), 6 IN	LF	200
682-9027	COMMUNICATIONS BOX	EA	31

REQUIRED LIGHTING AND TRAFFIC SIGNAL ITEMS			
PAY ITEM	DESCRIPTION	UNIT	TOTAL
500-3800	CLASS A CONCRETE WITH ALL WHITE SAND, INCL REINF STEEL (LIGHT POLE FOUNDATIONS)	EACH	23
639-3004	STEEL STRAIN POLE, TP IV (FOUNDATION ONLY)	EACH	3
639-3014	STEEL STRAIN POLE, TP IV, INCL LUMINAIRE (FOUNDATION ONLY)	EACH	2
682-2120	PULL BOX, TYPE 2	EACH	8
682-6230	DOUBLE CONDUIT, NONMETL, TP 3, 1 IN	LF	2600
682-6233	TRIPLE CONDUIT, NONMETL, TP 3, 1 IN	LF	300
682-9950	DIRECTIONAL BORE, 5 IN	LF	110

REQUIRED UTILITY ITEMS					
PAY ITEM	DESCRIPTION	UNIT	PENTZ & CUYLER	AS DIRECTED	TOTAL
611-8050	ADJUST MANHOLE TO GRADE	EACH	2		2
611-8120	ADJUST WATER METER BOX TO GRADE (INCL NEW METER BOX AND COVER)	EACH	32		32
611-8140	ADJUST WATER VALVE BOX TO GRADE	EACH	3		3
611-8150	ADJUST SEWER LATERAL CLEANOUT TO GRADE (INCL NEW BRASS CAP)	EACH	5		5
611-8160	ADJUST GAS VALVE BOX TO GRADE	EACH	2		2
615-5000	UTILITY CONFLICT ADJUSTMENT - ENCASEMENT PIPE	LF		50	50
660-1625	UTILITY CONFLICT ADJUSTMENT - SEWER MAIN, DUCTILE IRON, 8 IN	LF		50	50
660-2050	UTILITY CONFLICT ADJUSTMENT - SEWER LATERAL	LF		50	50
670-1010	UTILITY CONFLICT ADJUSTMENT - WATER MAIN	LF		150	150
670-5000	UTILITY CONFLICT ADJUSTMENT - WATER SERVICE LINE	LF		150	150

703-4200 - TREE WELL SUMMARY (68 EACH)		
DESCRIPTION	UNIT	TOTAL
NON-WOVEN FILTER FABRIC	SY	2356
STRUCTURAL SOIL	CY	2167
WASHED #57 STONE	CY	31
PLANTING SOIL MIX	CY	200
LANDSCAPE MULCHING	CY	21
60 INCH TREE GRATE	EACH	68
60 INCH TREE GRATE FRAME	EACH	68
ROOT BARRIER PANELS	EACH	68



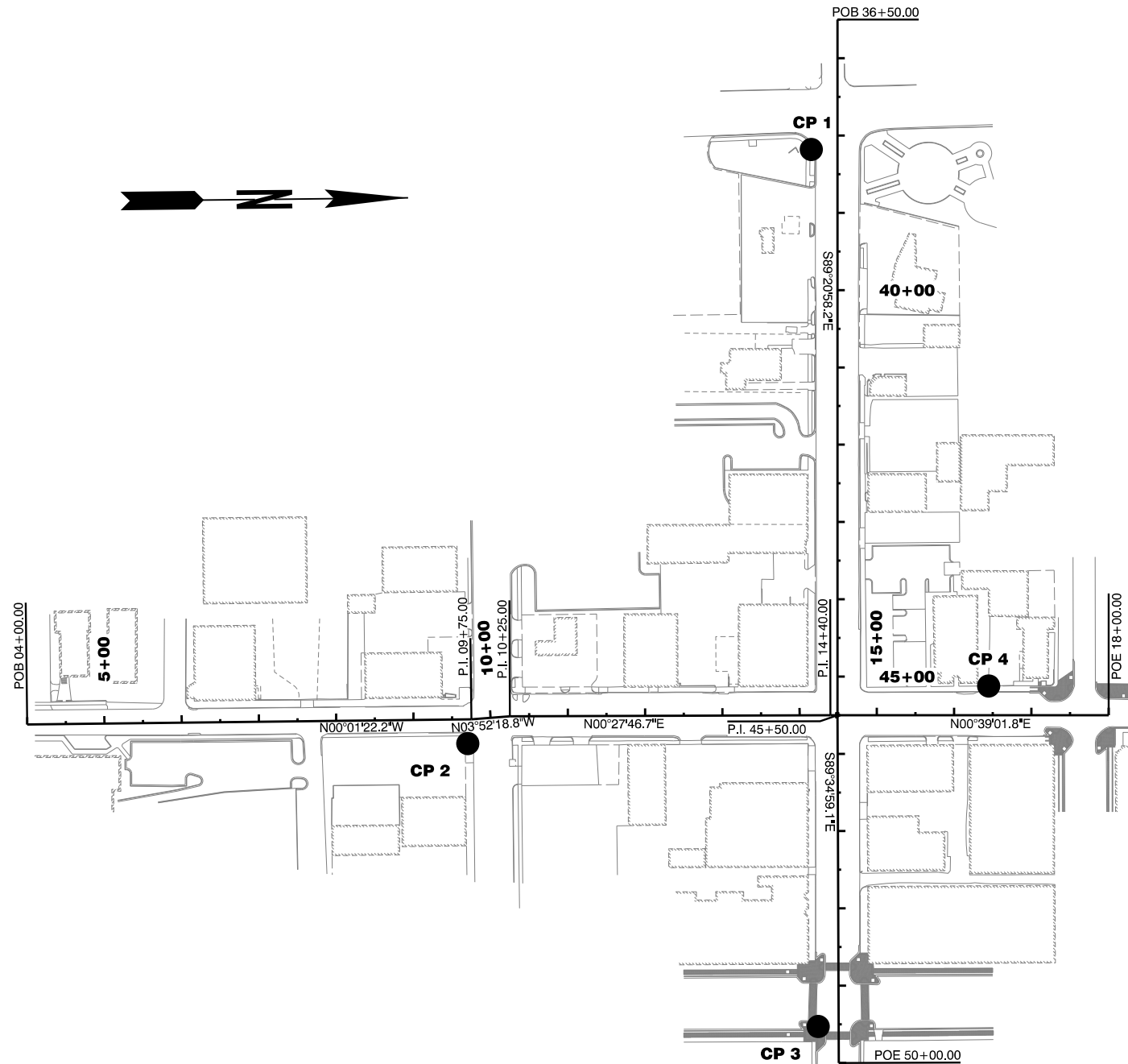
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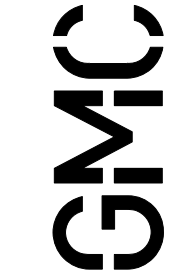
Streetscape Improvements on
Pentz Street & Cuyler Street
In the City of Dalton
Whitfield County, Georgia

GMC # TATL220003

Summary of
Quantities



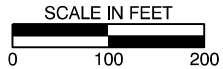
CONTROL POINTS LISTING AND DESCRIPTION			
CP 1 MAG HUB TP N = 1736148.5281 E = 2054863.1316 ELEV = 767.856	CP 2 MAG W/DISK SPUR N = 1735695.3208 E = 2055626.6762 ELEV = 748.026	CP 3 MAG RESECT N = 1736144.6782 E = 2055998.0245 ELEV = 763.367	
CP 4 MAG W/#3063 WASHER N = 1736370.2165 E = 2055559.8715 ELEV = 765.443			
PENTZ STREET	STATION	NORTHING	EASTING
Element: Linear			
P.O.B.	04+00.00	1735125.282	2055595.623
P.I.	09+75.00	1735700.282	2055595.394
Tangent Direction:	N 00°01'22.2" W		
Tangent Length:	575.000		
Element: Linear			
P.I.	09+75.00	1735700.282	2055595.394
P.I.	10+25.00	1735750.168	2055592.018
Tangent Direction:	N 03°52'18.8" W		
Tangent Length:	50.000		
Element: Linear			
P.I.	10+25.00	1735750.168	2055592.018
P.I.	14+40.00	1736165.154	2055595.371
Tangent Direction:	N 00°27'46.7" E		
Tangent Length:	415.000		
Element: Linear			
P.I.	14+40.00	1736165.154	2055595.371
P.O.E.	18+00.00	1736525.131	2055599.458
Tangent Direction:	N 00°39'01.8" E		
Tangent Length:	360.000		
CUYLER STREET	STATION	NORTHING	EASTING
Element: Linear			
P.O.B.	36+50.00	1736184.372	2054695.532
P.I.	45+50.00	1736174.154	2055595.474
Tangent Direction:	S 89°20'58.2" E		
Tangent Length:	900.000		
Element: Linear			
P.I.	45+50.00	1736174.154	2055595.474
P.O.E.	50+00.00	1736170.879	2056045.462
Tangent Direction:	S 89°34'59.1" E		
Tangent Length:	450.000		



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Streetscape Improvements on
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Whitfield County, Georgia



Construction
Layout

DRAWING NO.

11-0001

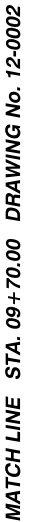
GMC # TATL220003

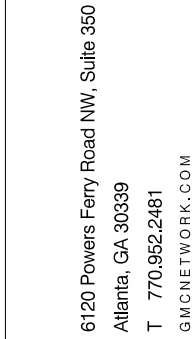


ISSUE	DATE
30% Review	
FFPR (60%)	
FFPR (90%)	
FINAL (100%)	

GMC # TATL220003

12-0001





ISSUE	DATE
30% Review	
PFPR (60%)	
FFPR (90%)	
FINAL (100%)	

Streetscape Improvements on
Pentz Street & Cuyler Street

GMC # TATL220003



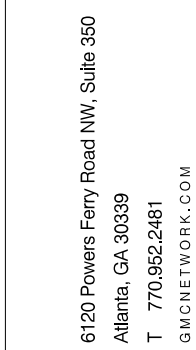
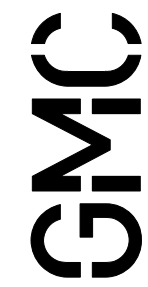
PENTZ STREET

Demolition Plan

09+70 to 15+30

DRAWING NO.

12-0002



ISSUE	DATE
30% Review	
PFPR (60%)	
FFPR (90%)	
FINAL (100%)	

Streetscape Improvements on
Pentz Street & Cuyler Street
In the City of Dalton
Whitfield County, Georgia



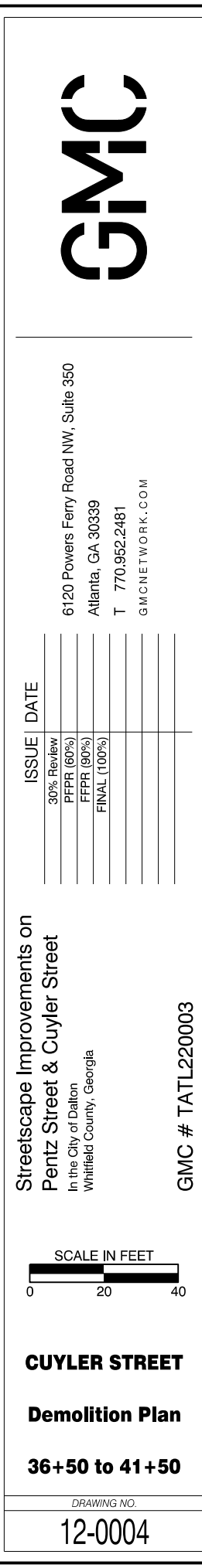
PENTZ STREET

Demolition Plan

15+30 to 18+00

DRAWING NO.
12-0003

GMC # TATL220003



SCALE IN FEET
0 20 40

CUYLER STREET

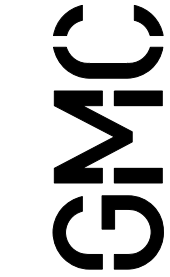
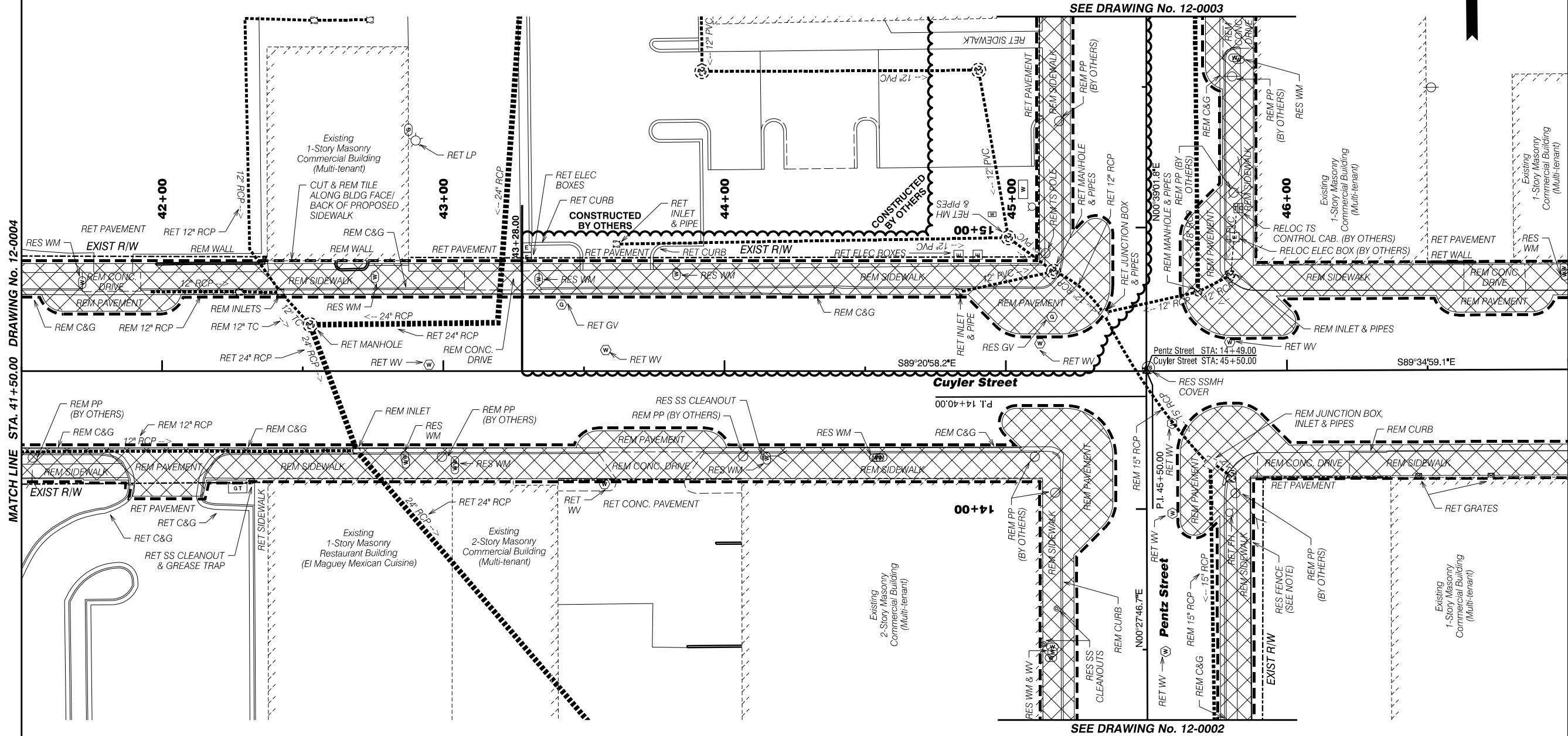
Demolition Plan

36+50 to 41+50

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ISSUE	DATE
30% Review	
PPPR (60%)	
FFPR (90%)	
FINAL (100%)	

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ISSUE	DATE
30% Review	
PPFR (60%)	
FFPR (90%)	
FINAL (100%)	

Streetscape Improvements on
Pentz Street & Cuyler Street
In the City of Dalton
Whitfield County, Georgia



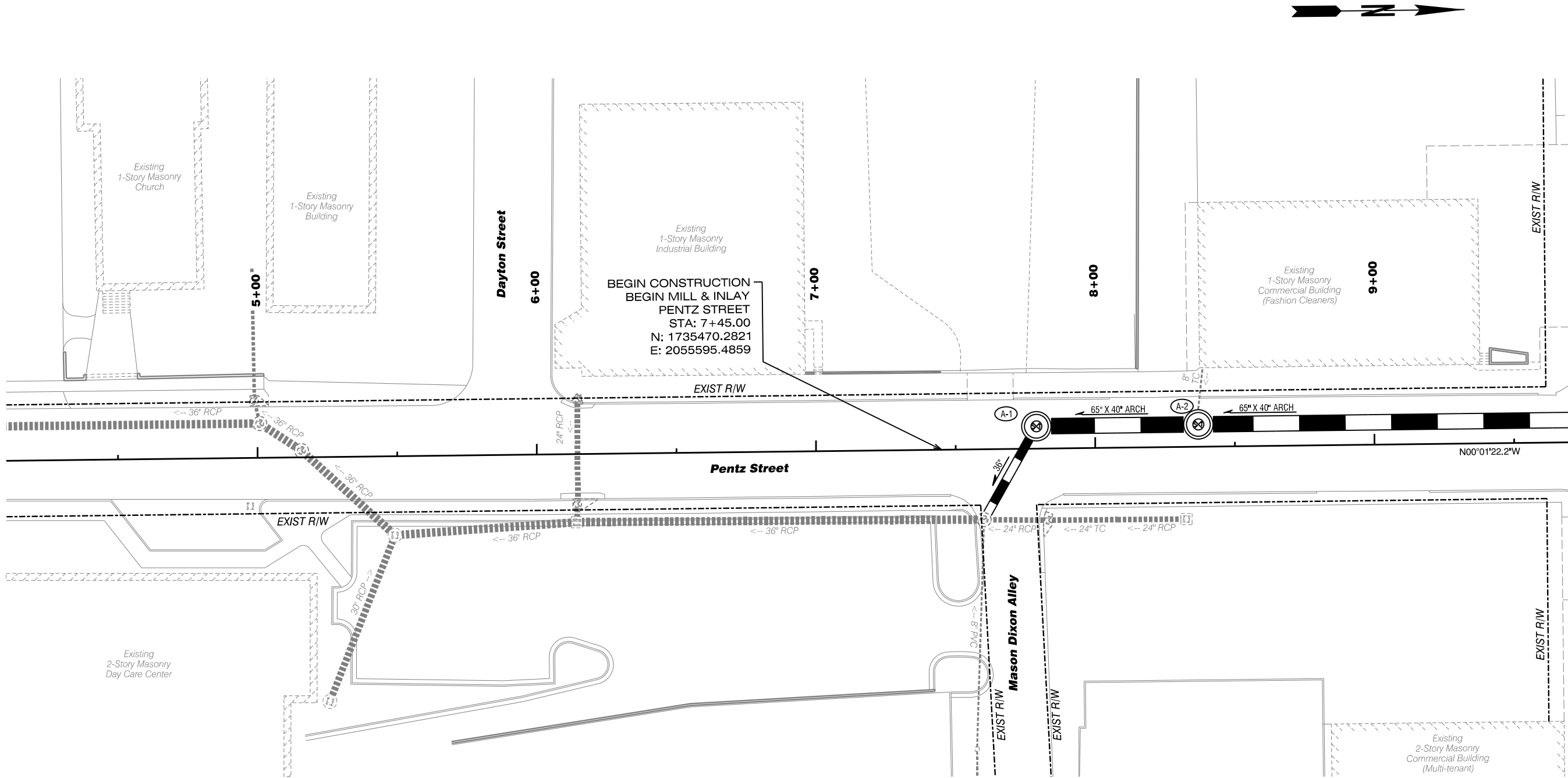
CUYLER STREET

Demolition Plan

41+50 to 47+00

DRAWING NO.
12-0005

GMC # TATL220003



MATCH LINE STA. 09+70.00 DRAWING NO. 13-0002

Streetscape Improvements on
Pentz Street & Cuyler Street
In the City of Dalton
Whitfield County, Georgia

SCALE IN FEET
0 20 40

PENTZ STREET

**Mainline
Construction Plan
04+10 to 09+70**

ISSUE	DATE
30% Review	
PFPR (60%)	
PFPR (90%)	
FINAL (100%)	

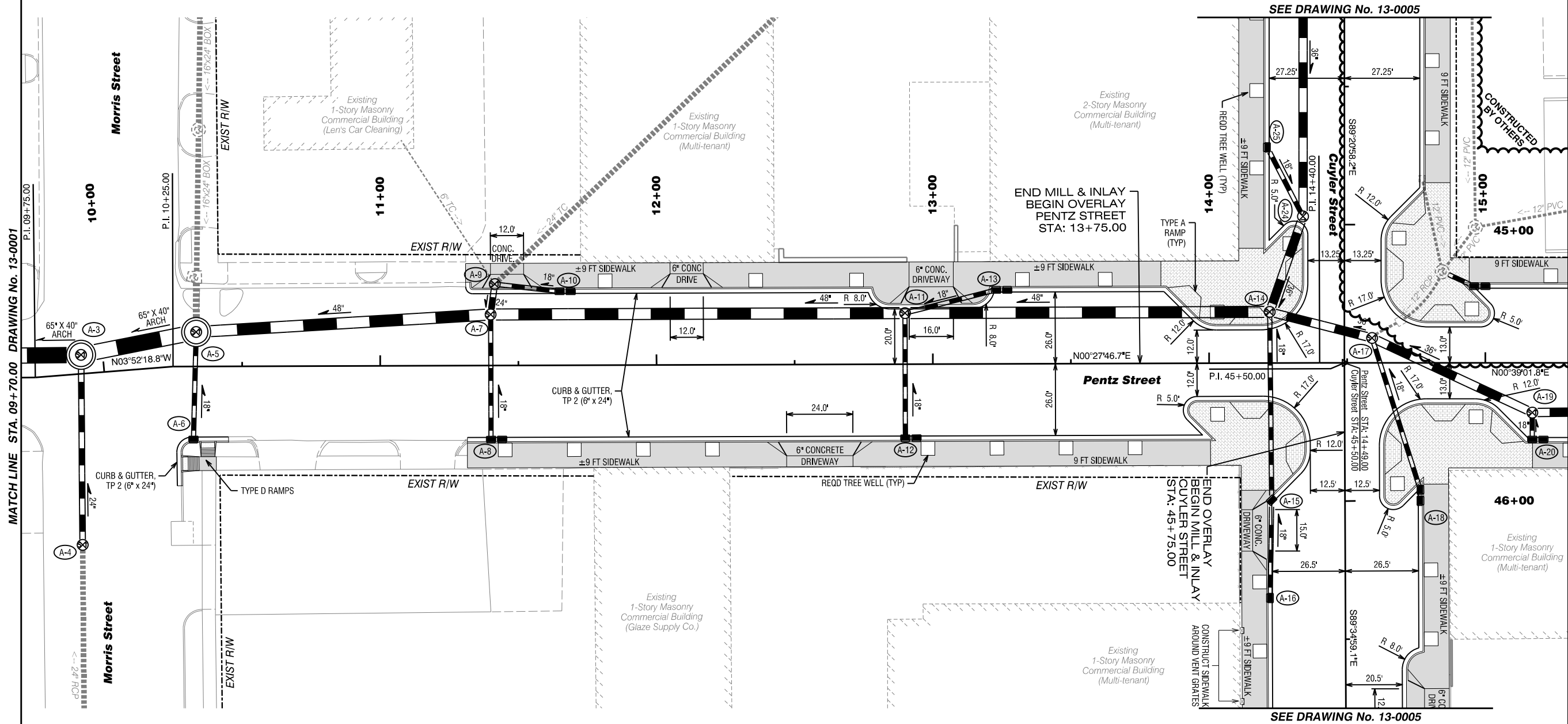
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GMC # TATL220003

DRAWING NO.

13-0001



Streetscape Improvements on
Pentz Street & Cuyler Street

In the City of Dalton
Whitfield County, Georgia

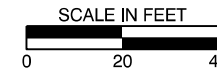
ISSUE DATE

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PPFR (60%)	
PPFR (90%)	
FINAL (100%)	

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PENTZ STREET

**Mainline
Construction Plan
09+70 to 15+30**

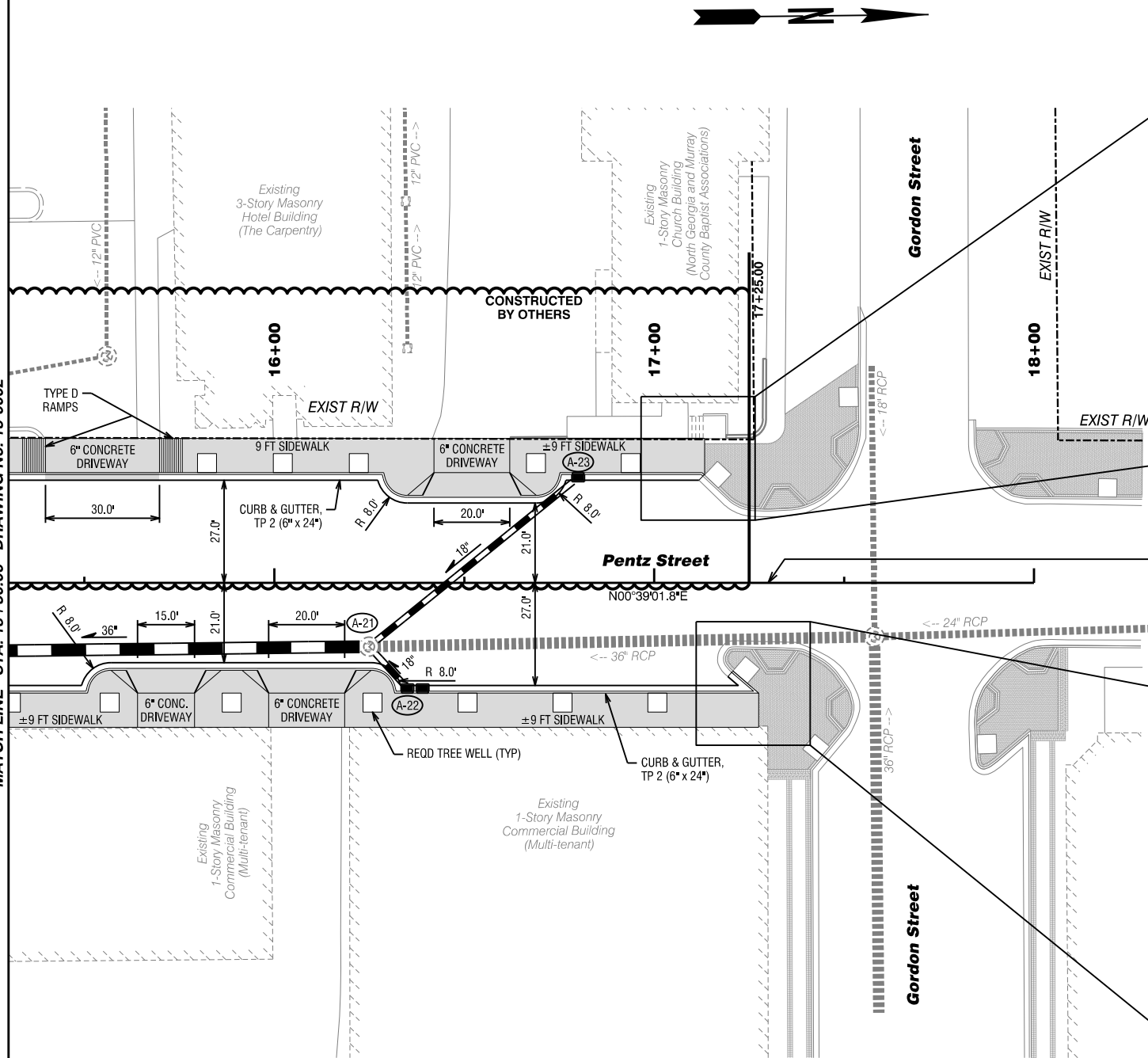


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13-0002

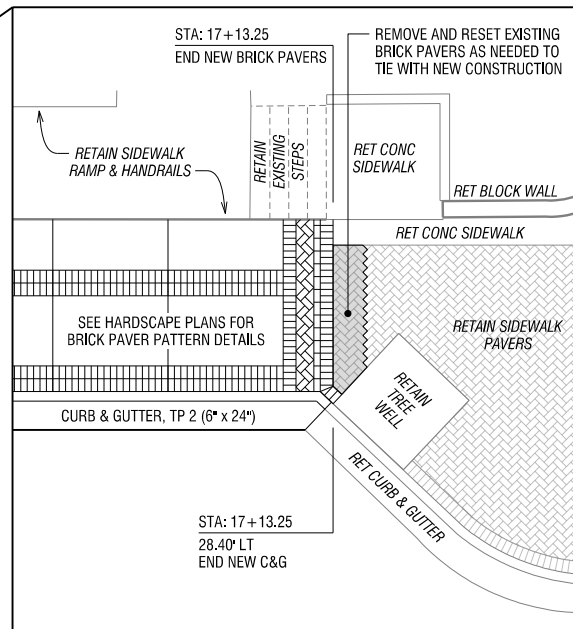
GMC # TATL220003

GMC

MATCH LINE STA. 15+30.00 DRAWING No. 13-0002

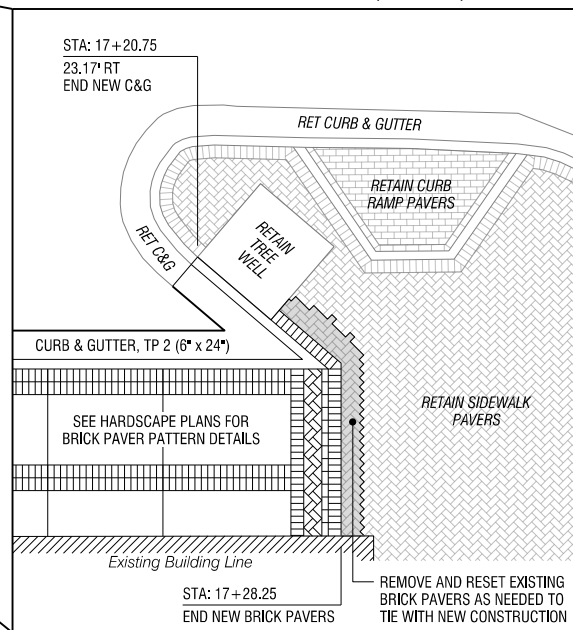


CORNER TIE-IN DETAIL (LT SIDE) (BY OTHERS)



END CONSTRUCTION
END OVERLAY
PENTZ STREET
STA: 17+30.00
N: 1736455.1357
E: 2055598.6637

CORNER TIE-IN DETAIL (RT SIDE)



Streetscape Improvements on
Pentz Street & Cuyler Street
In the City of Dalton
Whitfield County, Georgia

GMC # TATL220003



PENTZ STREET

Mainline
Construction Plan
15+30 to 18+00

DRAWING NO.

13-0003

ISSUE	DATE
30% Review	
PFPR (60%)	
FFPR (90%)	
FINAL (100%)	

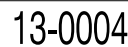
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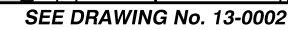
GMC



ISSUE	DATE
30% Review	
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FFPR (90%)	
FINAL (100%)	

GMC # TATL220003





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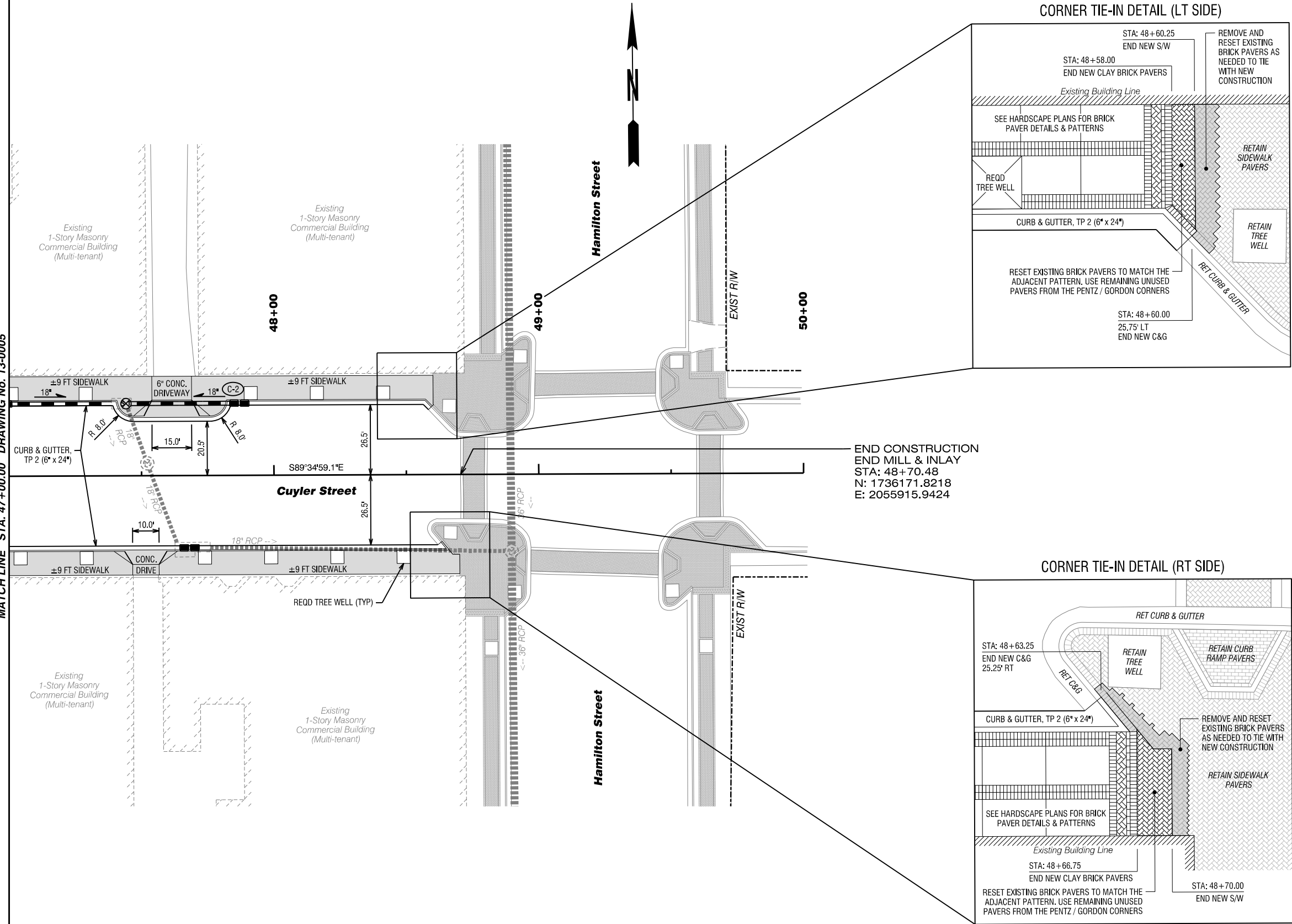
DRAWING NO.

GMC # TATL220003

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MATCH LINE STA. 47+00.00 DRAWING No. 13-0005



Streetscape Improvements on
Pentz Street & Cuyler Street
In the City of Dalton
Whitfield County, Georgia



CUYLER STREET

**Mainline
Construction Plan
47+00 to 50+00**

DRAWING NO.

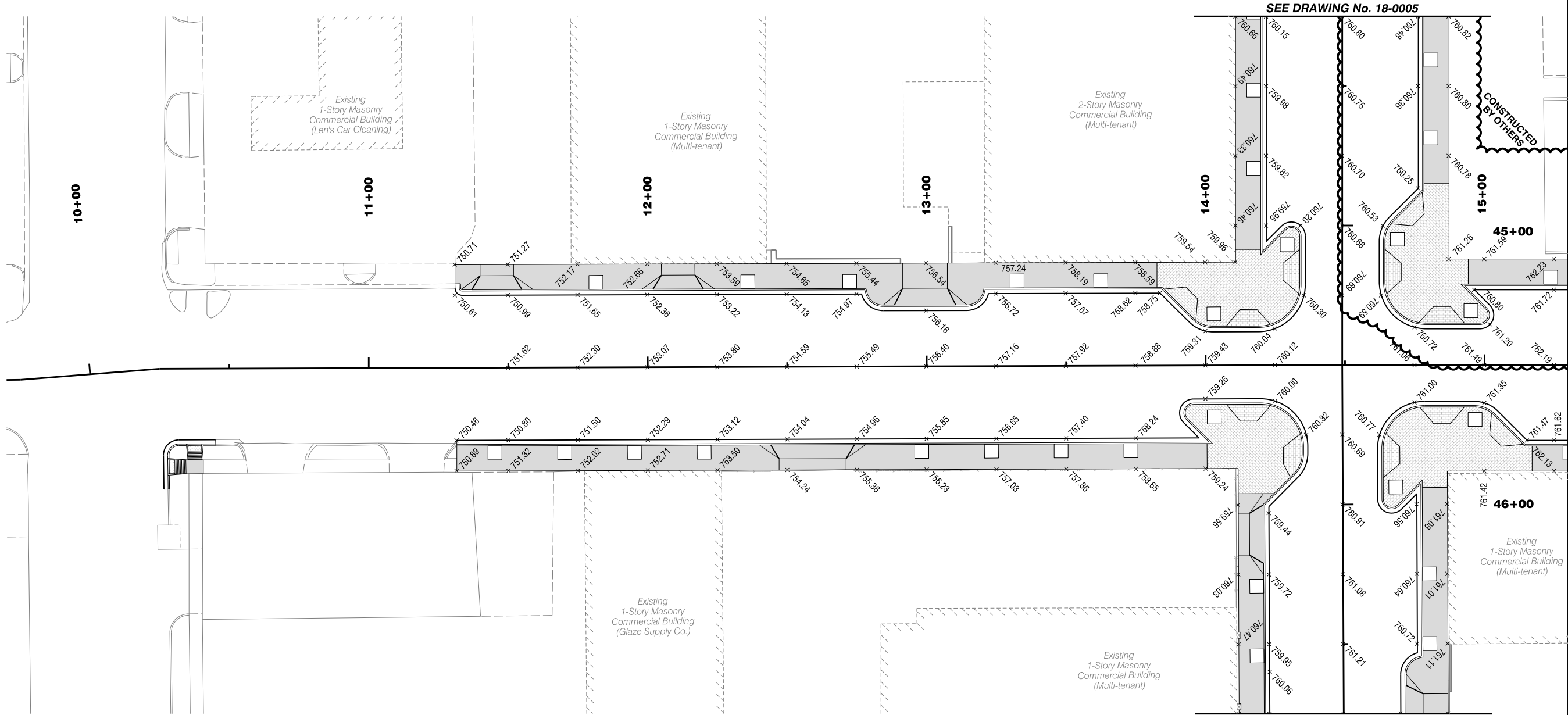
13-0006

ISSUE	DATE
30% Review	
PPR (60%)	
PPR (90%)	
FINAL (100%)	

GMC

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GMC # TATL220003



SEE DRAWING No. 18-0005

SEE DRAWING No. 18-0005

MATCH LINE STA. 15+30.00 DRAWING No. 18-0003

Streetscape Improvements on
Pentz Street & Cuyler Street
In the City of Dalton
Whitfield County, Georgia

PENTZ STREET
Special Grading
09+70 to 15+30



ISSUE	DATE
30% Review	
PFPR (60%)	
FFPR (90%)	
FINAL (100%)	

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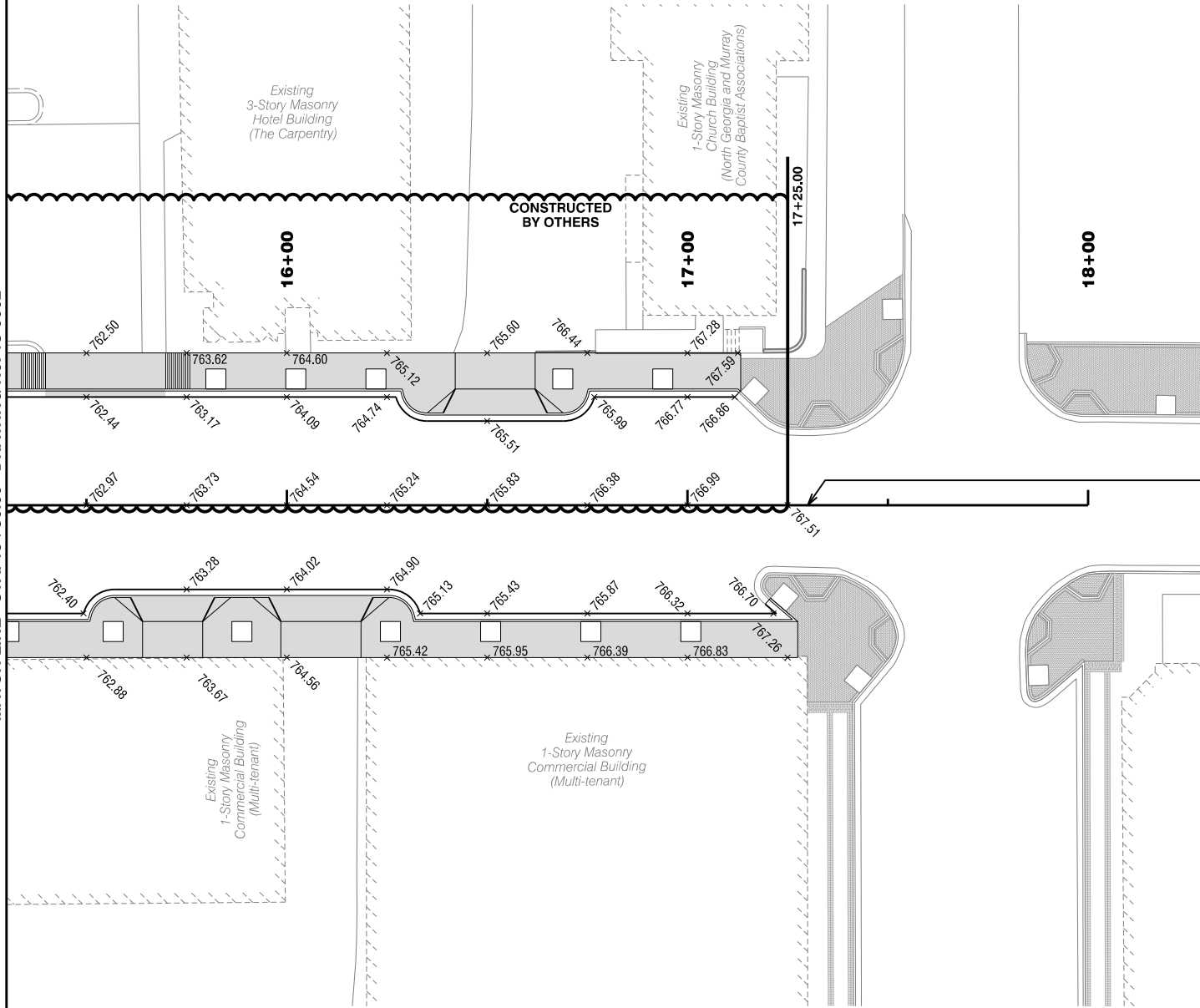
GMC

GMC # TATL220003

DRAWING NO.

18-0002

MATCH LINE STA. 15+30.00 DRAWING No. 18-0002



END CONSTRUCTION
END OVERLAY
PENTZ STREET
STA: 17+30.00
N: 1736455.1357
E: 2055598.6637

Streetscape Improvements on
Pentz Street & Cuyler Street
In the City of Dalton
Whitfield County, Georgia

GMC # TATL220003



PENTZ STREET

Special Grading

15+30 to 18+00

DRAWING NO.

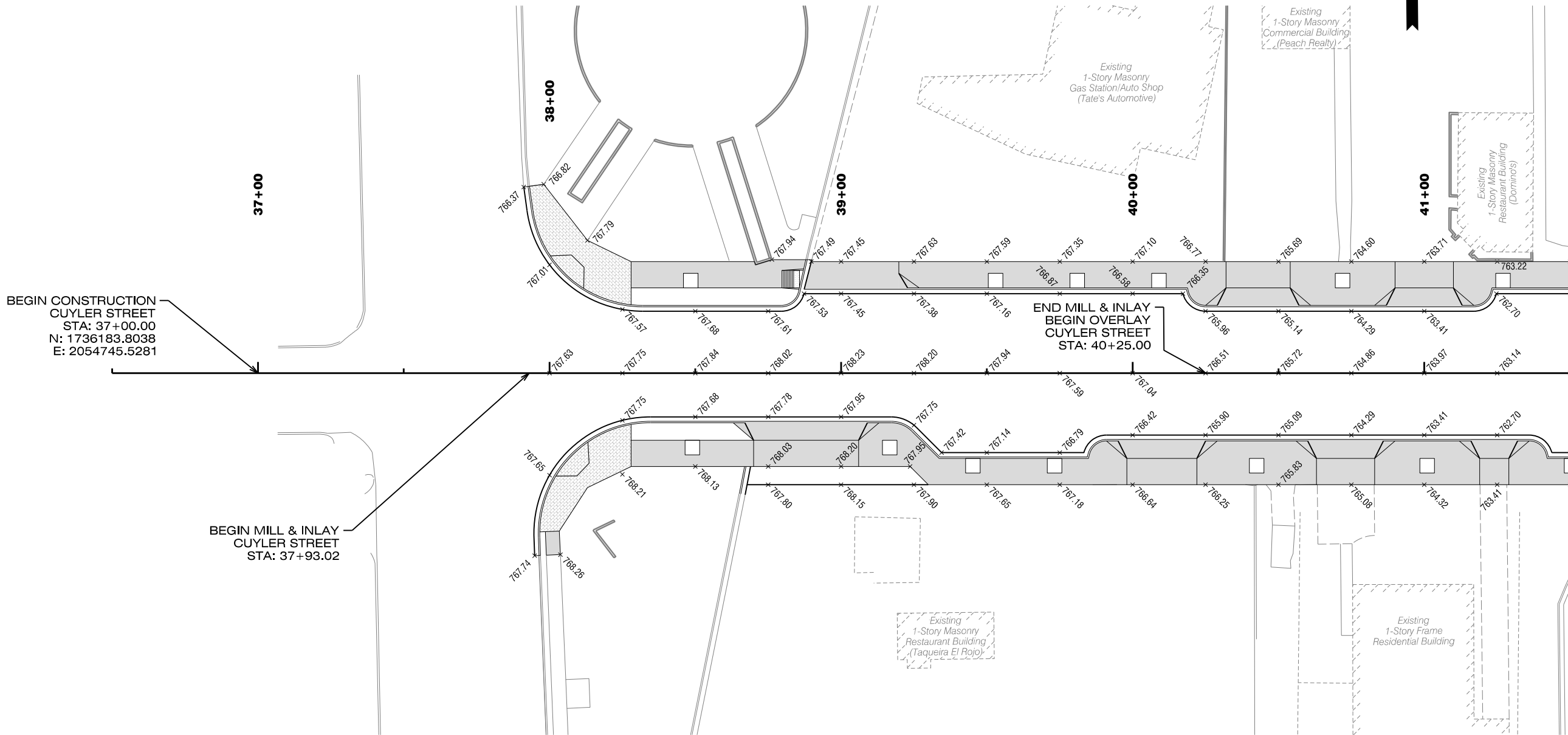
18-0003

ISSUE DATE

30% Review	
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PPR (90%)	
FINAL (100%)	

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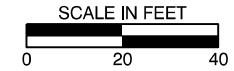


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ISSUE	DATE
30% Review	
PPR (60%)	
FFPR (90%)	
FINAL (100%)	

Streetscape Improvements on
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Whitfield County, Georgia

GMC # TATL220003



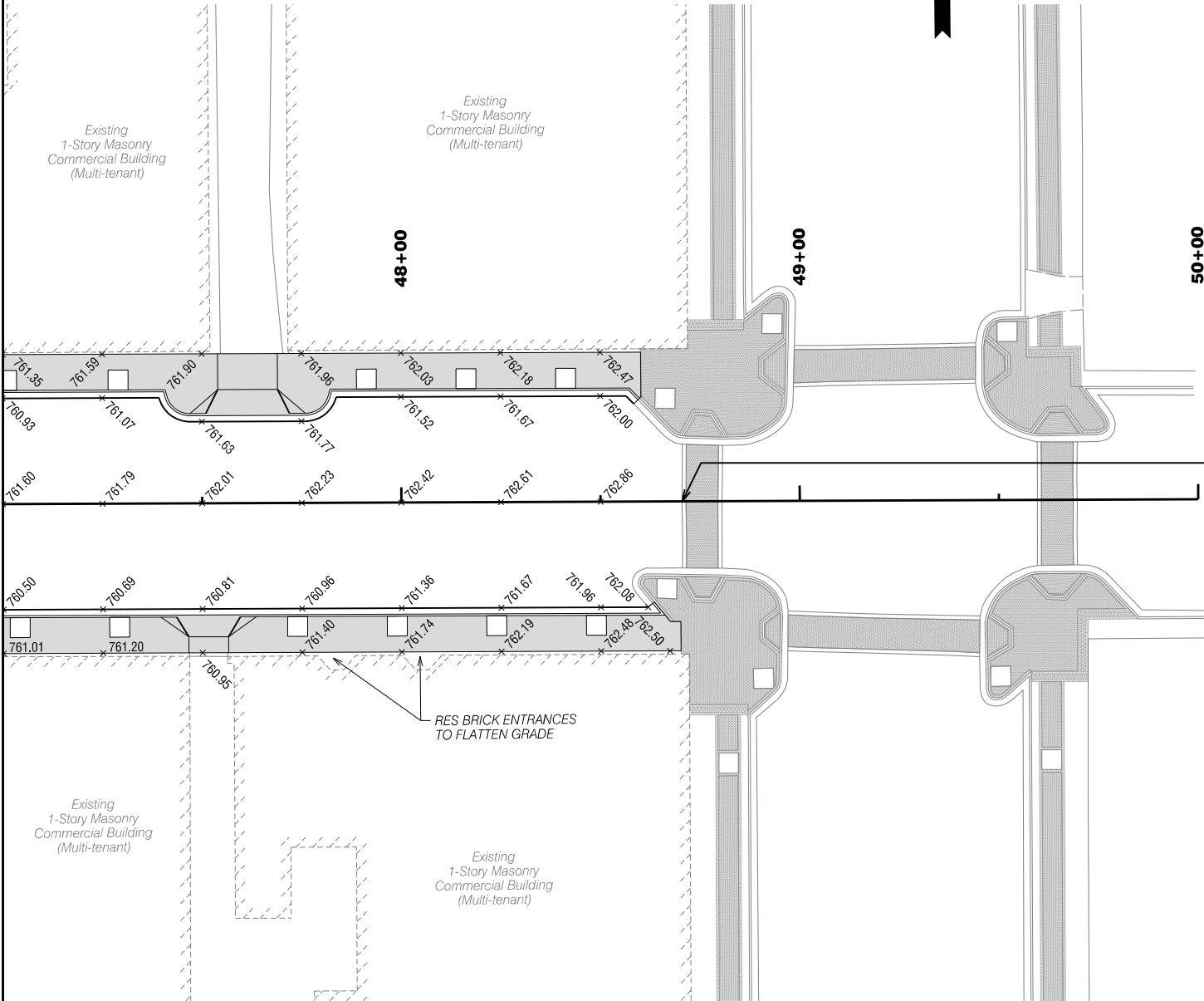
CUYLER STREET

Special Grading

36+50 to 41+50

DRAWING NO.
18-0004

MATCH LINE STA. 47+00.00 DRAWING No. 18-0005



END CONSTRUCTION
END MILL & INLAY
STA: 48+70.48
N: 1736171.8218
E: 2055915.9424



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ISSUE	DATE
30% Review	
PFPR (60%)	
FFPR (90%)	
FINAL (100%)	

Streetscape Improvements on
Pentz Street & Cuyler Street
In the City of Dalton
Whitfield County, Georgia

GMC # TATL220003

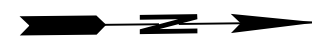
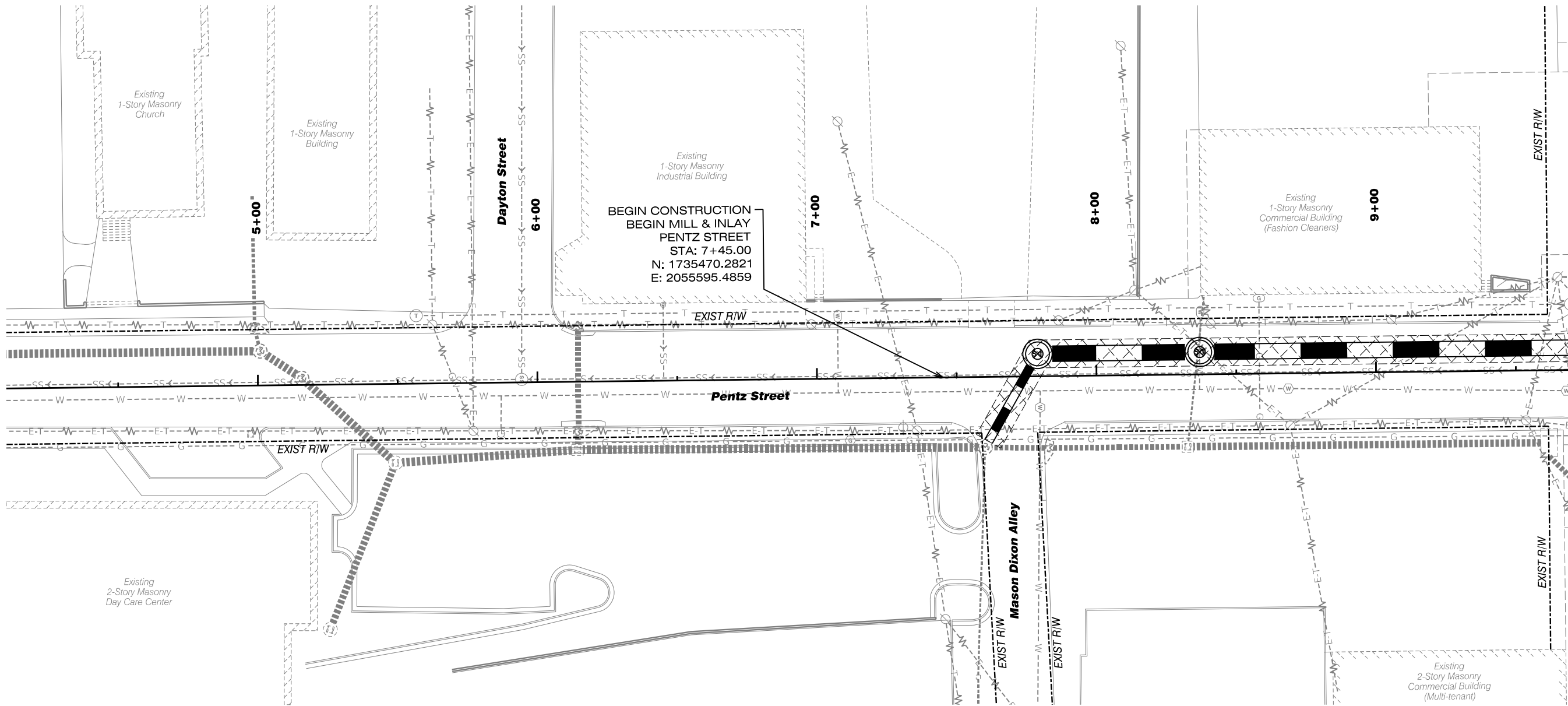


CUYLER STREET

Special Grading

47+00 to 50+00

DRAWING NO.
18-0006



MATCH LINE STA. 09+70.00 DRAWING No. 19-0002

TRENCHING NOTE:

AT NO ADDITIONAL COST TO THE PROJECT, THE CONTRACTOR WILL BE ALLOWED TO UTILIZE STEEL PLATES TO COVER THE OPEN TRENCHES IN LIEU OF BACKFILLING AND PATCHING IN THE SAME DAY. SHOULD THE CONTRACTOR CHOOSE TO USE THIS METHOD, THE USE OF STEEL PLATES SHALL BE LIMITED TO A MAXIMUM OF THREE DAYS BEFORE COMPLETING THE FINAL BACKFILL AND PATCHING TO CLOSE THE OPEN TRENCH.

STAGE 1 NOTES:

1. INSTALL STAGE 1 EROSION CONTROL MEASURES IN ACCORDANCE WITH THE ESCP AND MAINTAIN STABILIZATION OF ANY EXPOSED AREAS THROUGHOUT CONSTRUCTION.
2. CONSTRUCT REQUIRED DRAINAGE AND CONDUIT DUCT BANKS WHILE MAINTAINING TRAFFIC FLOW IN ACCORDANCE WITH THE CONSTRUCTION STAGING DETAILS. REMOVE AND/OR PLUG AND FILL EXISTING DRAINAGE IN ACCORDANCE WITH THE DEMOLITION PLAN.
3. THE CONTRACTOR SHOULD EXPECT A DELAY BETWEEN STAGE 1 AND STAGE 2 TO ALLOW FOR UTILITY COMPANIES TO RELOCATE OVERHEAD UTILITY LINES INTO THE NEWLY CONSTRUCTED UNDERGROUND DUCT BANK. THE CONTRACTOR SHALL ENSURE THAT ALL EROSION CONTROL MEASURES ARE STABLE AND MAINTAINED THROUGHOUT THE DELAY.
4. ONCE THE OVERHEAD UTILITY RELOCATIONS ARE COMPLETED, THE UTILITY COMPANIES WILL REMOVE THE EXISTING UTILITY POLES. THE CONTRACTOR WILL BE ALLOWED TO PROCEED WITH STAGE 2 ONCE THE UTILITY POLE REMOVAL IS COMPLETED.

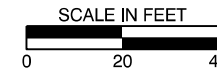
Streetscape Improvements on
Pentz Street & Cuyler Street
In the City of Dalton
Whitfield County, Georgia

PENTZ STREET

**Construction
Staging Plan
Stage 1**

DRAWING NO.

19-0001

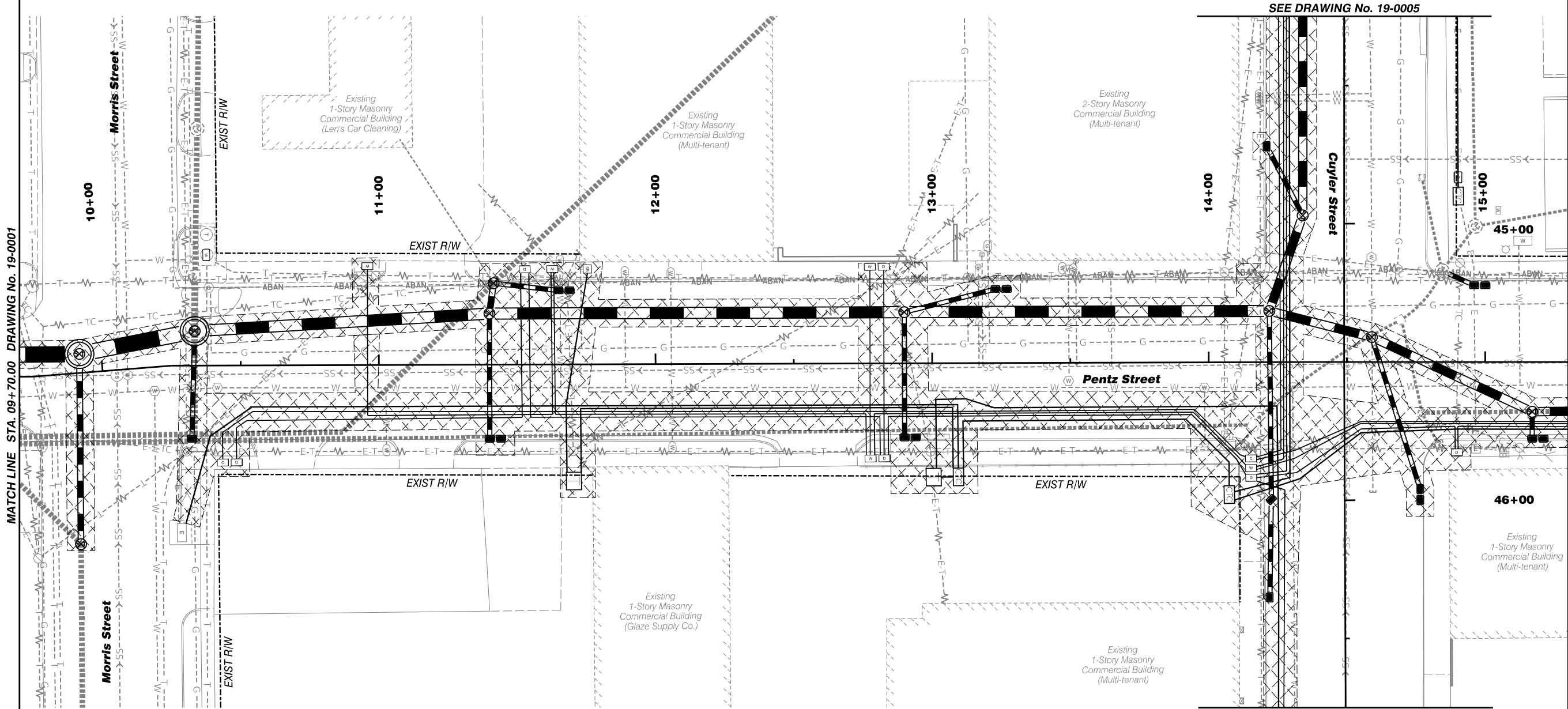


ISSUE	DATE
30% Review	
PPFR (60%)	
PPFR (90%)	
FINAL (100%)	

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ISSUE	DATE
30% Review	
PFPR (60%)	
FFPR (90%)	
FINAL (100%)	

Streetscape Improvements on
Pentz Street & Cuyler Street
In the City of Dalton
Whitfield County, Georgia

GMC # TATL220003



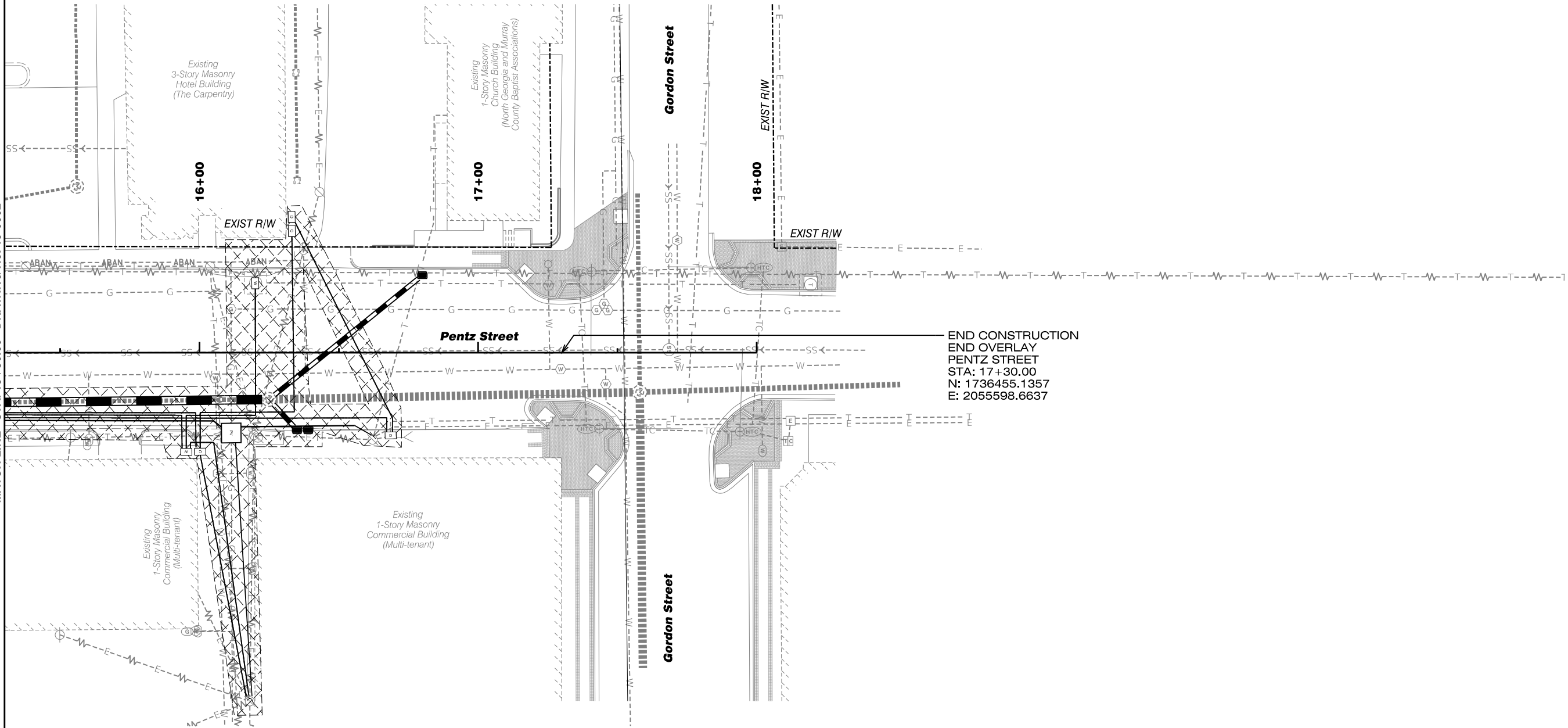
PENTZ STREET

Construction
Staging Plan
Stage 1

DRAWING NO.

19-0002

MATCH LINE STA. 15+30.00 DRAWING No. 19-0002



PENTZ STREET

Construction
Staging Plan
Stage 1

DRAWING NO.

19-0003

Streetscape Improvements on
Pentz Street & Cuyler Street
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Whitfield County, Georgia

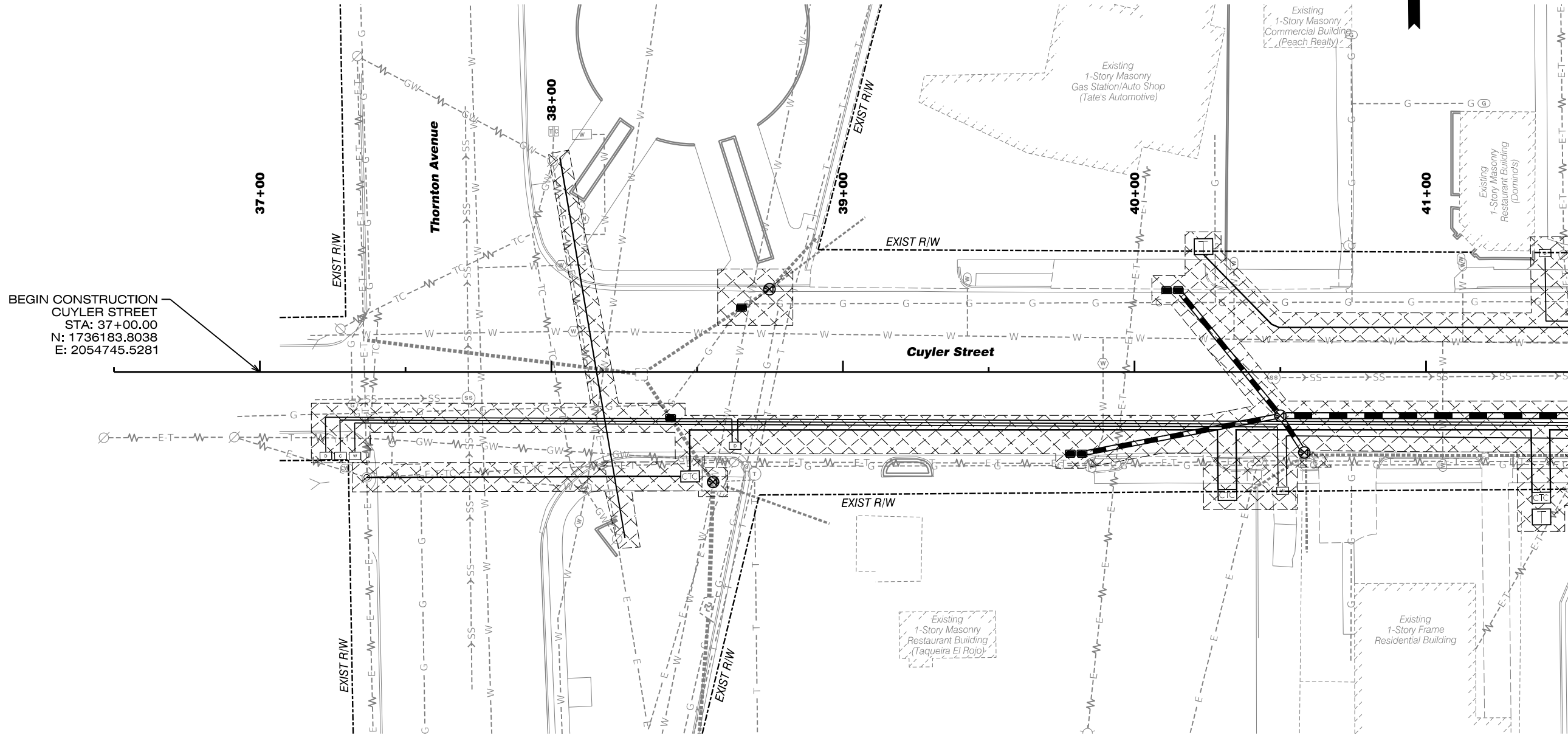
GMC # TATL220003

ISSUE DATE

30% Review	
PPR (60%)	
PPR (90%)	
FINAL (100%)	

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BEGIN CONSTRUCTION
CUYLER STREET
STA: 37+00.00
N: 1736183.8038
E: 2054745.5281

MATCH LINE STA. 41+50.00 DRAWING No. 19-0005



CUYLER STREET

**Construction
Staging Plan
Stage 1**

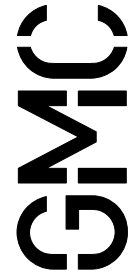
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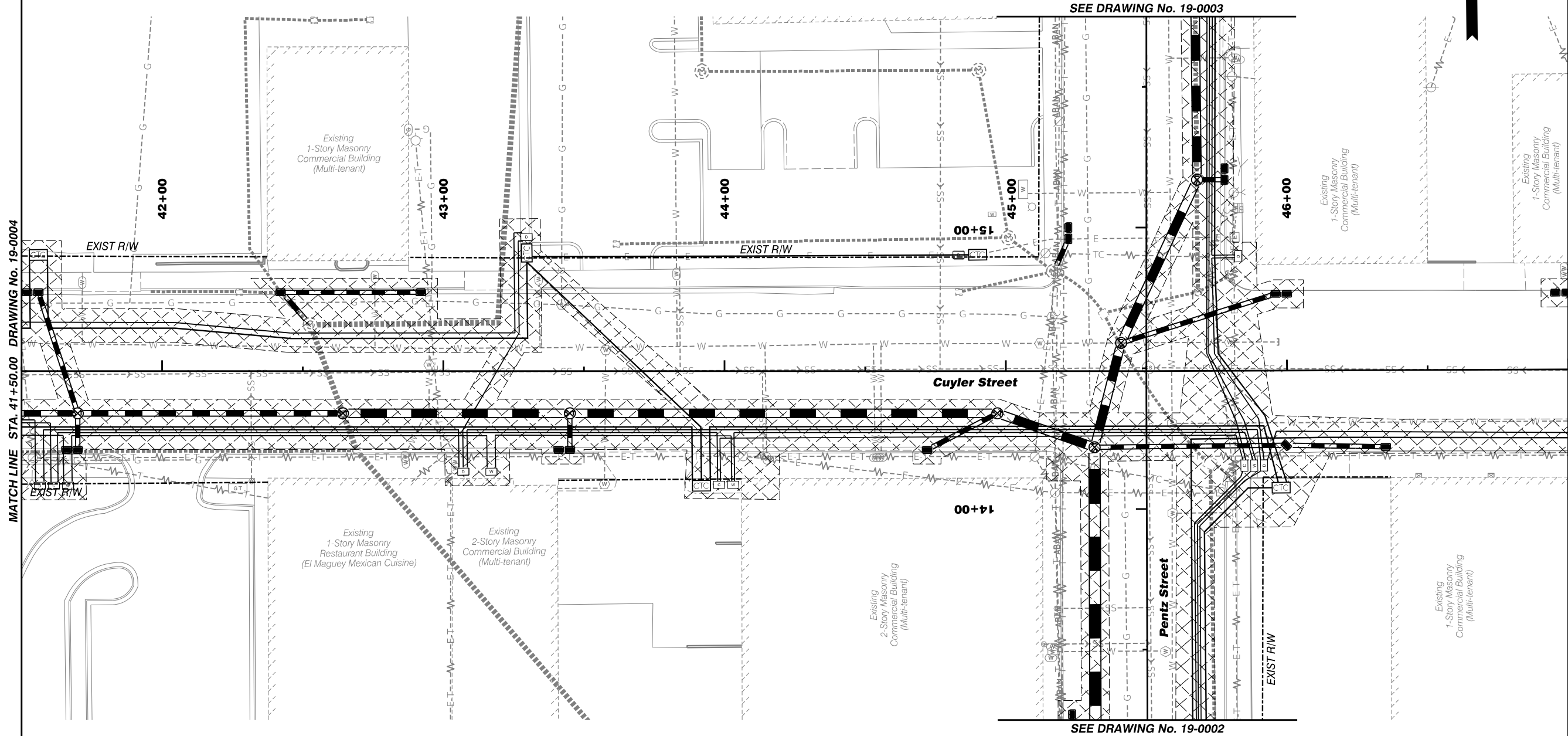
Streetscape Improvements on
Pentz Street & Cuyler Street
In the City of Dalton
Whitfield County, Georgia

GMC # TATL220003

ISSUE	DATE
30% Review	
PPFR (60%)	
FFPR (90%)	
FINAL (100%)	

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MATCH LINE STA. 41+50.00 DRAWING No. 19-0004

MATCH LINE STA. 47+00.00 DRAWING No. 19-0006

SEE DRAWING No. 19-0003

SEE DRAWING No. 19-0002



CUYLER STREET

Construction
Staging Plan
Stage 1

DRAWING NO.

19-0005

Streetscape Improvements on
Pentz Street & Cuyler Street
In the City of Dalton
Whitfield County, Georgia

GMC # TATL220003

ISSUE DATE

30% Review	
PFPR (60%)	
PFPR (90%)	
FINAL (100%)	

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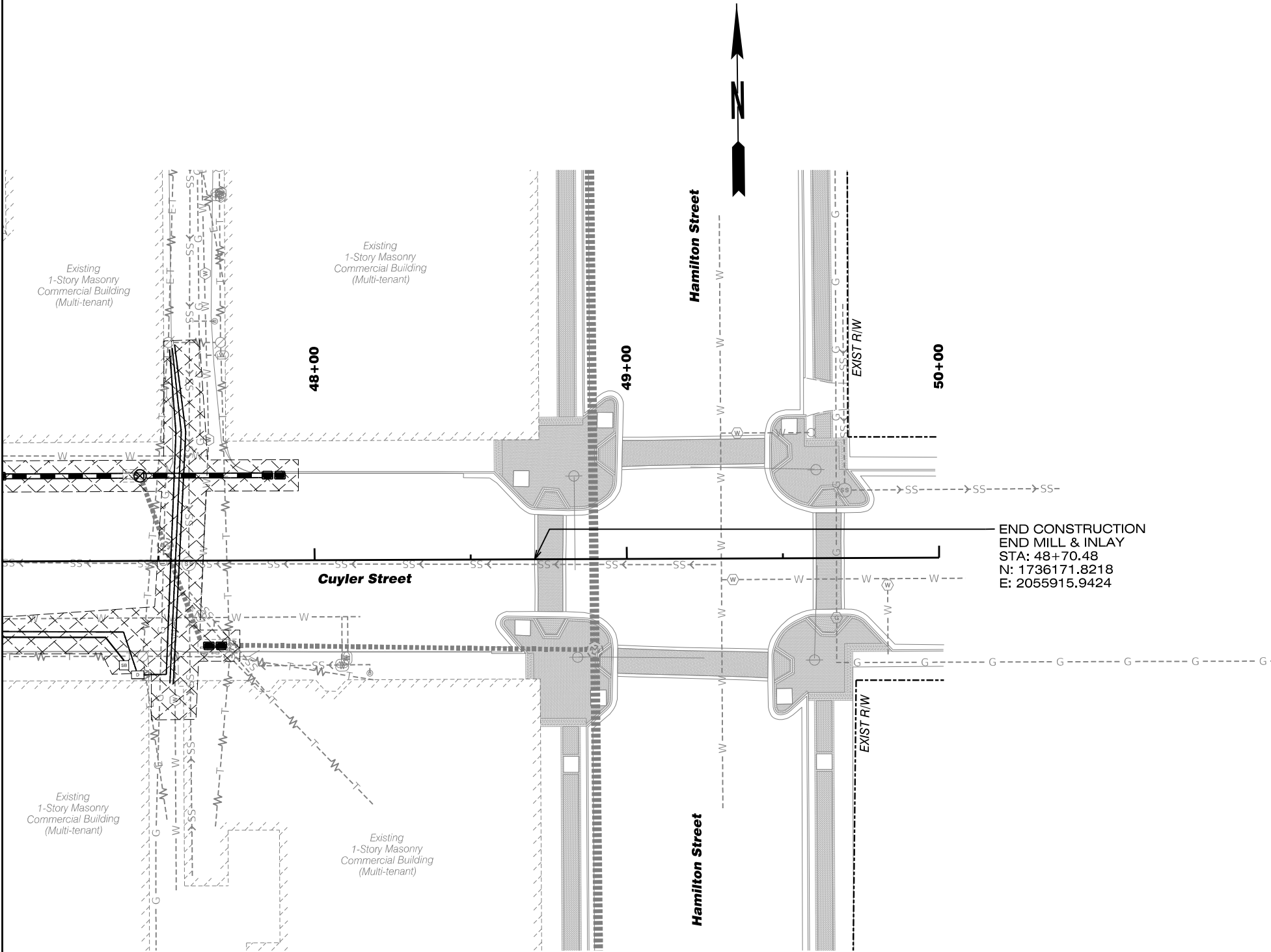
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MATCH LINE STA. 47+00.00 DRAWING No. 19-0005



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ISSUE	DATE
30% Review	
PFPR (60%)	
PFPR (90%)	
FINAL (100%)	

Streetscape Improvements on
Pentz Street & Cuyler Street
In the City of Dalton
Whitfield County, Georgia

GMC # TATL220003

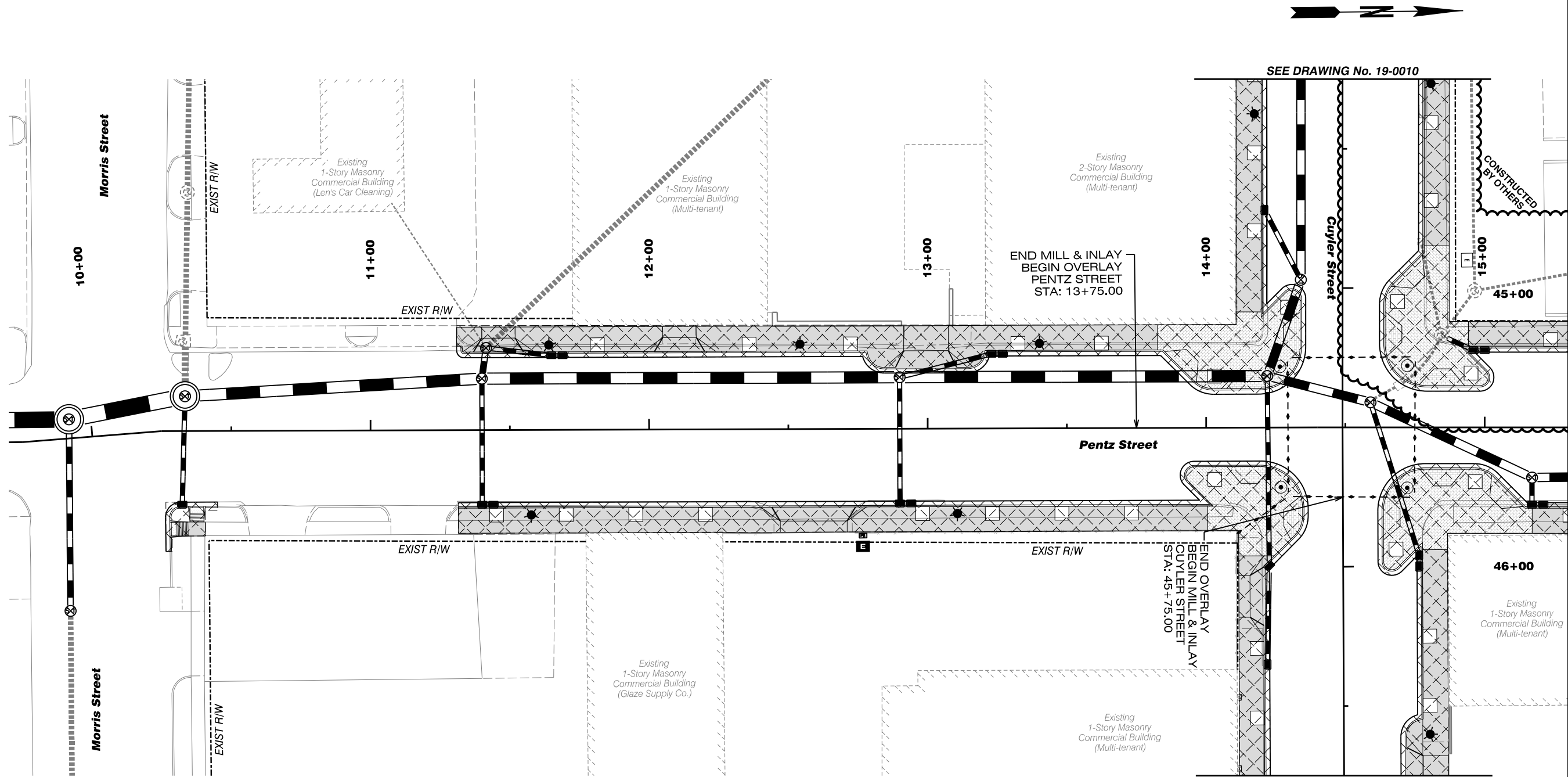


CUYLER STREET

Construction
Staging Plan
Stage 1

DRAWING NO.

19-0006



STAGE 2 NOTES:

1. INSTALL STAGE 2 EROSION CONTROL MEASURES IN ACCORDANCE WITH THE ESCP AND MAINTAIN STABILIZATION OF ANY EXPOSED AREAS THROUGHOUT CONSTRUCTION.
2. CLOSE THE PARKING AREAS IN ACCORDANCE WITH THE CONSTRUCTION STAGING DETAILS VIA DRUMS, CONES, OR ANY OTHER APPROVED TRAFFIC CONTROL DEVICES.
3. CONSTRUCT THE IMPROVEMENTS ALONG EACH SIDE OF PENTZ AND CUYLER STREET INCLUDING CURB & GUTTER, DRIVEWAYS, SIDEWALKS, TREE WELLS, LIGHTING AND SIGNAL POLE FOUNDATIONS, ETC.

FINAL STAGE NOTES:

1. PERFORM MILLING, LEVELING, OVERLAY AND PERMANENT STRIPING AS SPECIFIED IN THE PLANS.
2. STRIPING ACTIVITIES CAN BE PERFORMED UNDER TRAFFIC UTILIZING TEMPORARY SHIFTS AT OFF-PEAK TIMES.

Streetscape Improvements on
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GMC # TATL220003



PENTZ STREET
Construction
Staging Plan
Stage 2

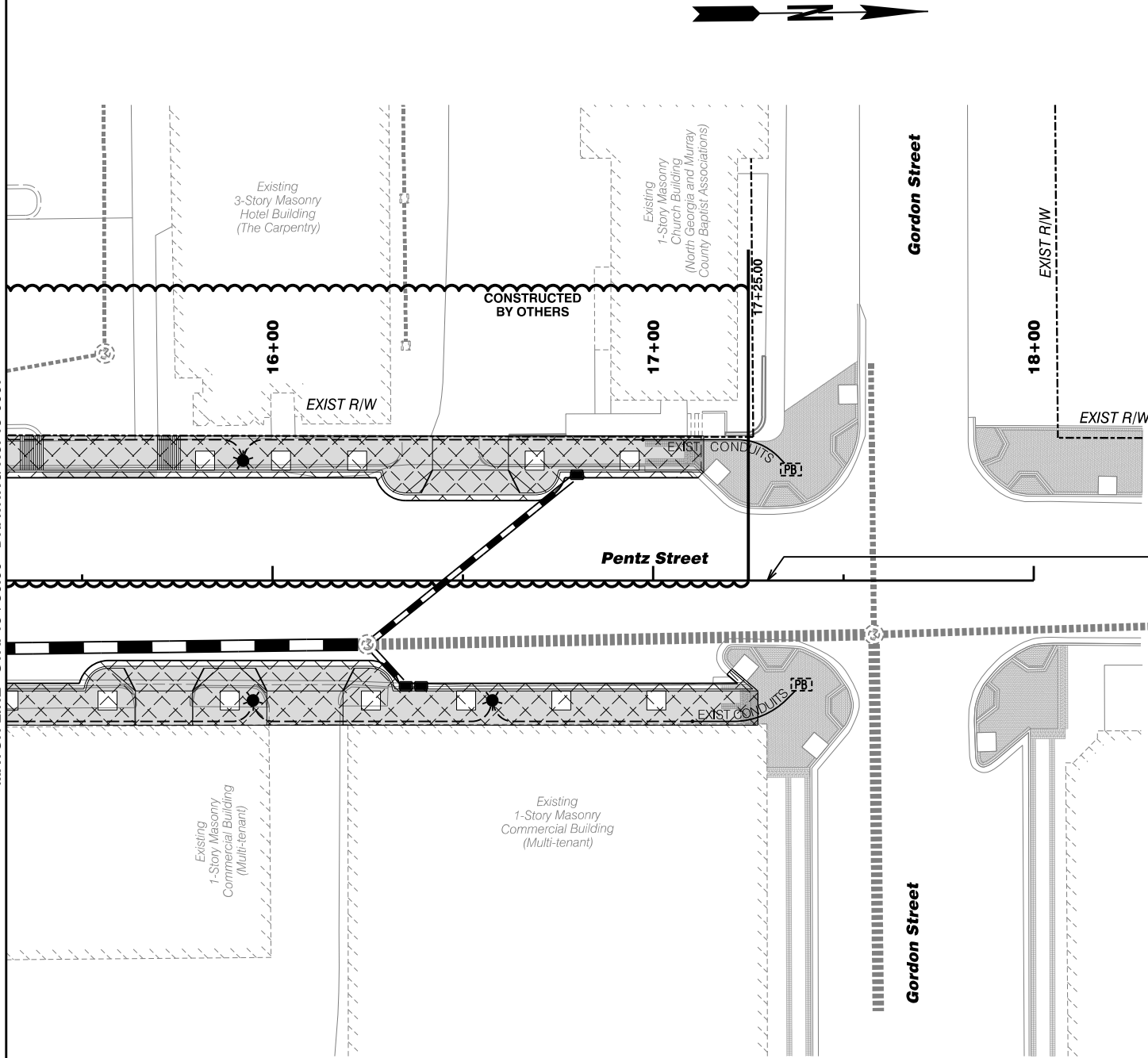
DRAWING NO.
19-0007

ISSUE	DATE
30% Review	
PPR (60%)	
FFPR (90%)	
FINAL (100%)	

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MATCH LINE STA. 15+30.00 DRAWING No. 19-0007



END CONSTRUCTION
END OVERLAY
PENTZ STREET
STA: 17+30.00
N: 1736455.1357
E: 2055598.6637



PENTZ STREET
Construction
Staging Plan
Stage 2

DRAWING NO.

19-0008

Streetscape Improvements on
Pentz Street & Cuyler Street
In the City of Dalton
Whitfield County, Georgia

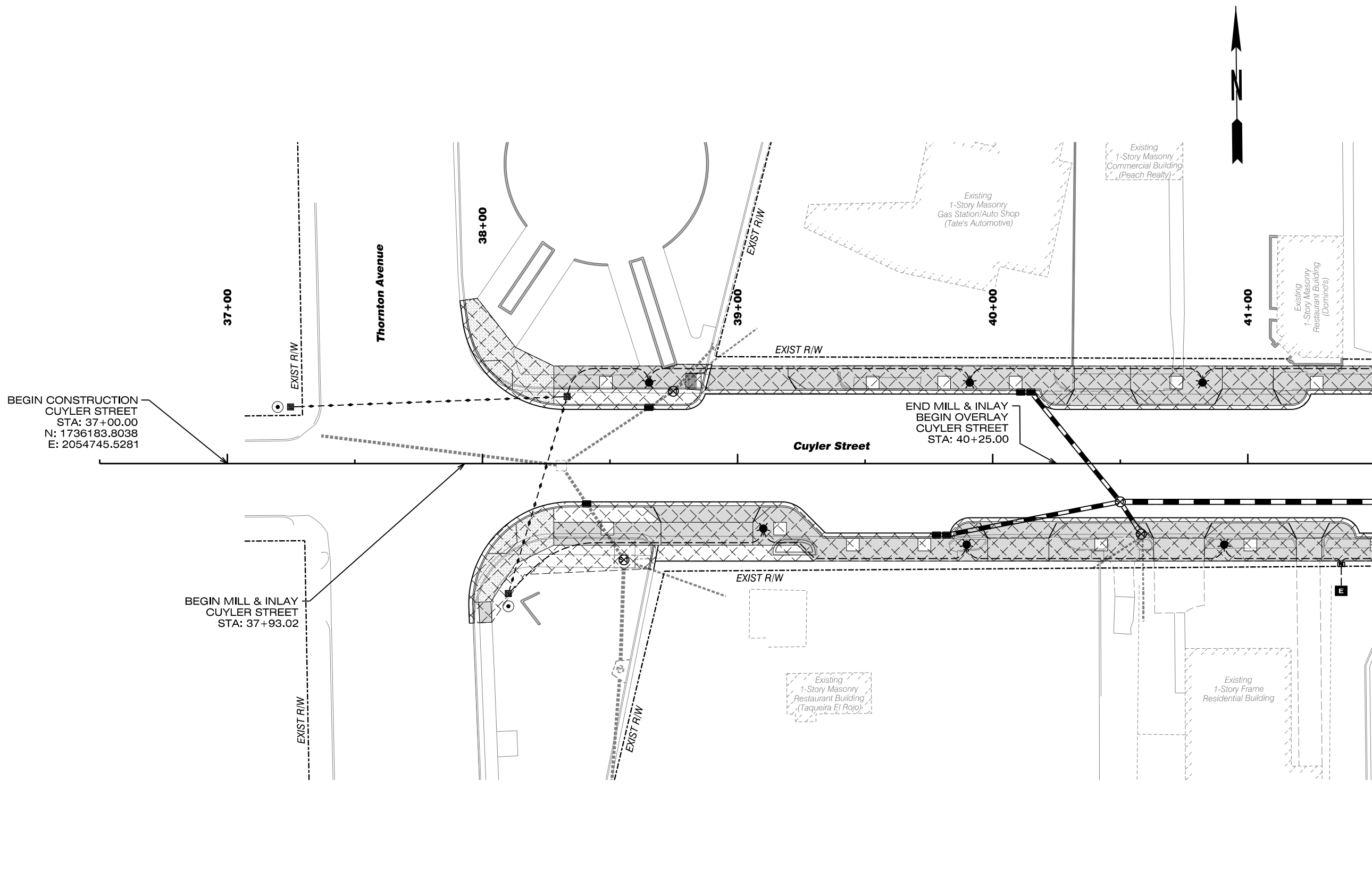
GMC # TATL220003

ISSUE DATE

30% Review	
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FFPR (90%)	
FINAL (100%)	

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MATCH LINE STA. 41+50.00 DRAWING No. 19-0010



CUYLER STREET

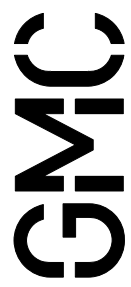
Construction Staging Plan Stage 2

Streetscape Improvements on
Pentz Street & Cuyler Street
In the City of Dalton
Whitfield County, Georgia

GMC # TATL220003

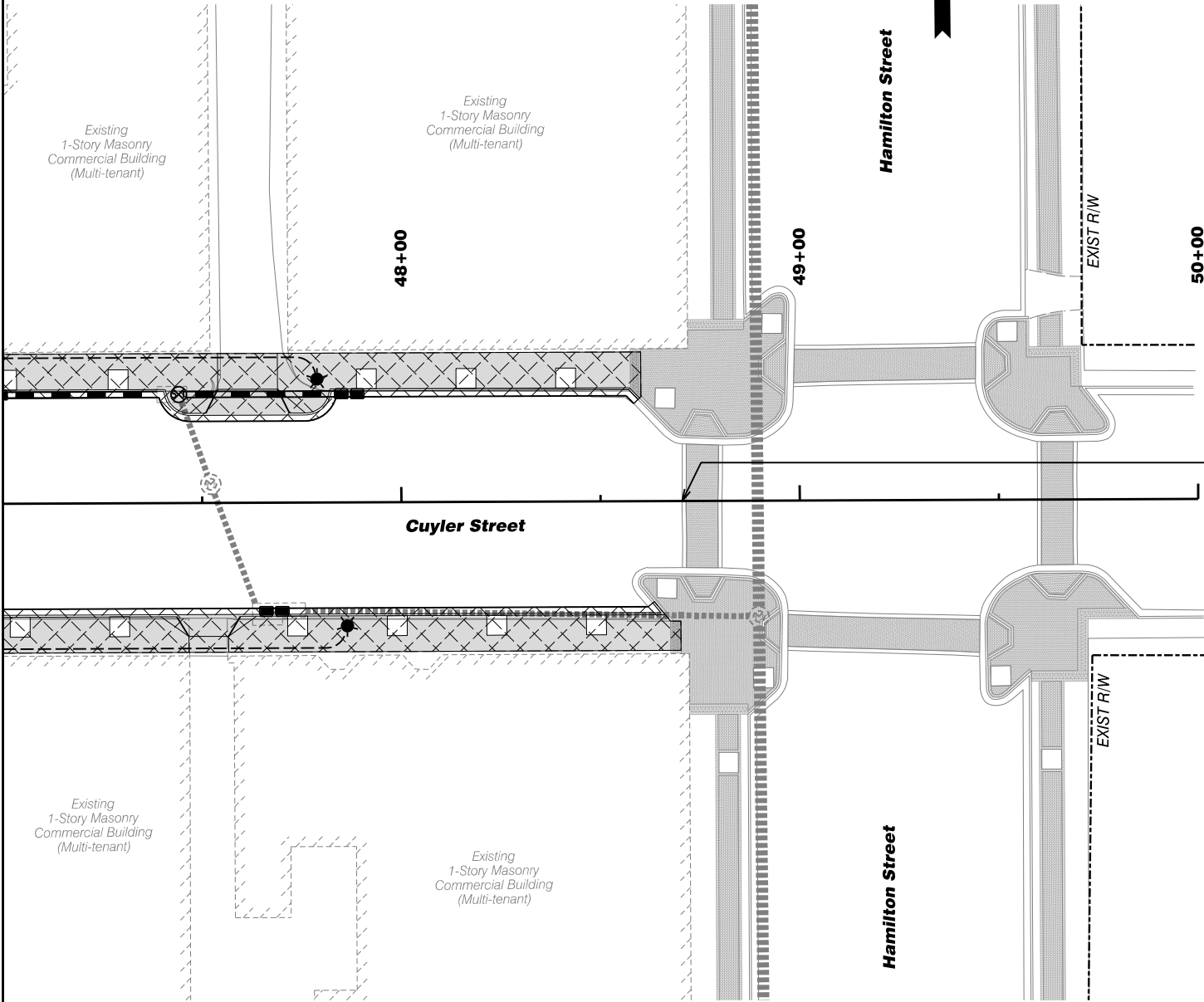
ISSUE	DATE
30% Review	
PPR (60%)	
PPR (90%)	
FINAL (100%)	

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DRAWING NO.
19-0009

MATCH LINE STA. 47+00.00 DRAWING No. 19-0010



END CONSTRUCTION
END MILL & INLAY
STA: 48+70.48
N: 1736171.8218
E: 2055915.9424



CUYLER STREET

Construction
Staging Plan
Stage 2

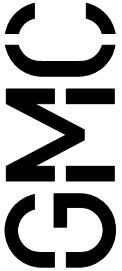
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Streetscape Improvements on
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In the City of Dalton
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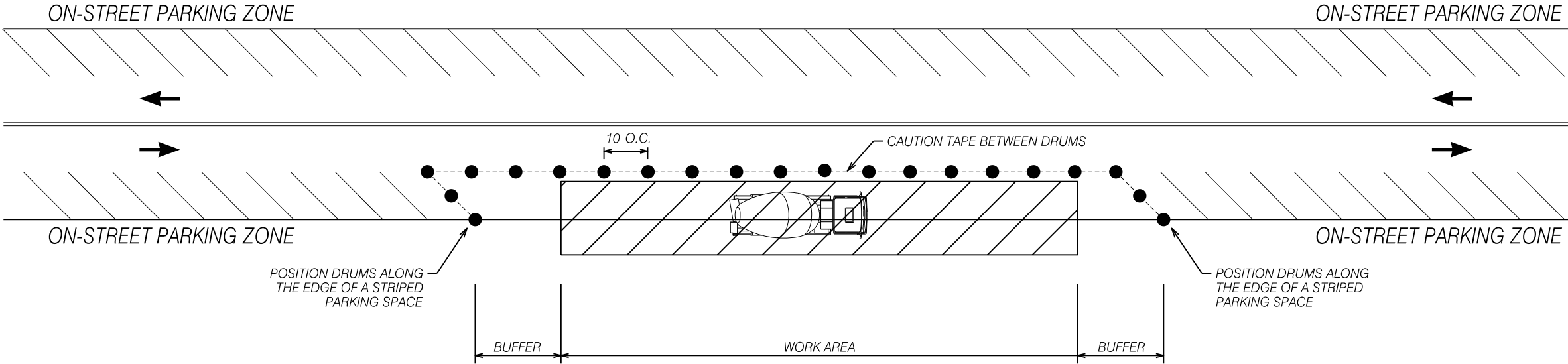
GMC # TATL220003

ISSUE	DATE
30% Review	
PFPR (60%)	
FFPR (90%)	
FINAL (100%)	

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TYPICAL SCHEME FOR PARKING ZONE CLOSURE



NOTES:

1. ALL TRAFFIC CONTROL DEVICES SHALL BE MADE AND ERECTED IN ACCORDANCE WITH THE DETAILS SHOWN ON THE PLANS; THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION; THE GDOT STANDARD SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISIONS (SEE SECTION 150).
2. ALL TRAFFIC CONTROL DEVICES SHALL BE AS SHOWN OR AS DIRECTED BY THE ENGINEER. ADDITIONAL DEVICES MAY BE REQUIRED AS NEEDED.
3. DEVICES SHOWN ARE IN ADDITION TO ALL ADVANCE WARNING SIGNS REQUIRED IN SECTION 150.
4. PAYMENT FOR TRAFFIC CONTROL SHALL BE PER SECTION 150.

LEGEND

STRIPED DRUM

WORK AREA

TRAFFIC DIRECTION

Streetscape Improvements on
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GMC # TATL220003

NOT TO SCALE

Construction
Staging Details

ISSUE	DATE
30% Review	
PPR (60%)	
PPR (90%)	
FINAL (100%)	

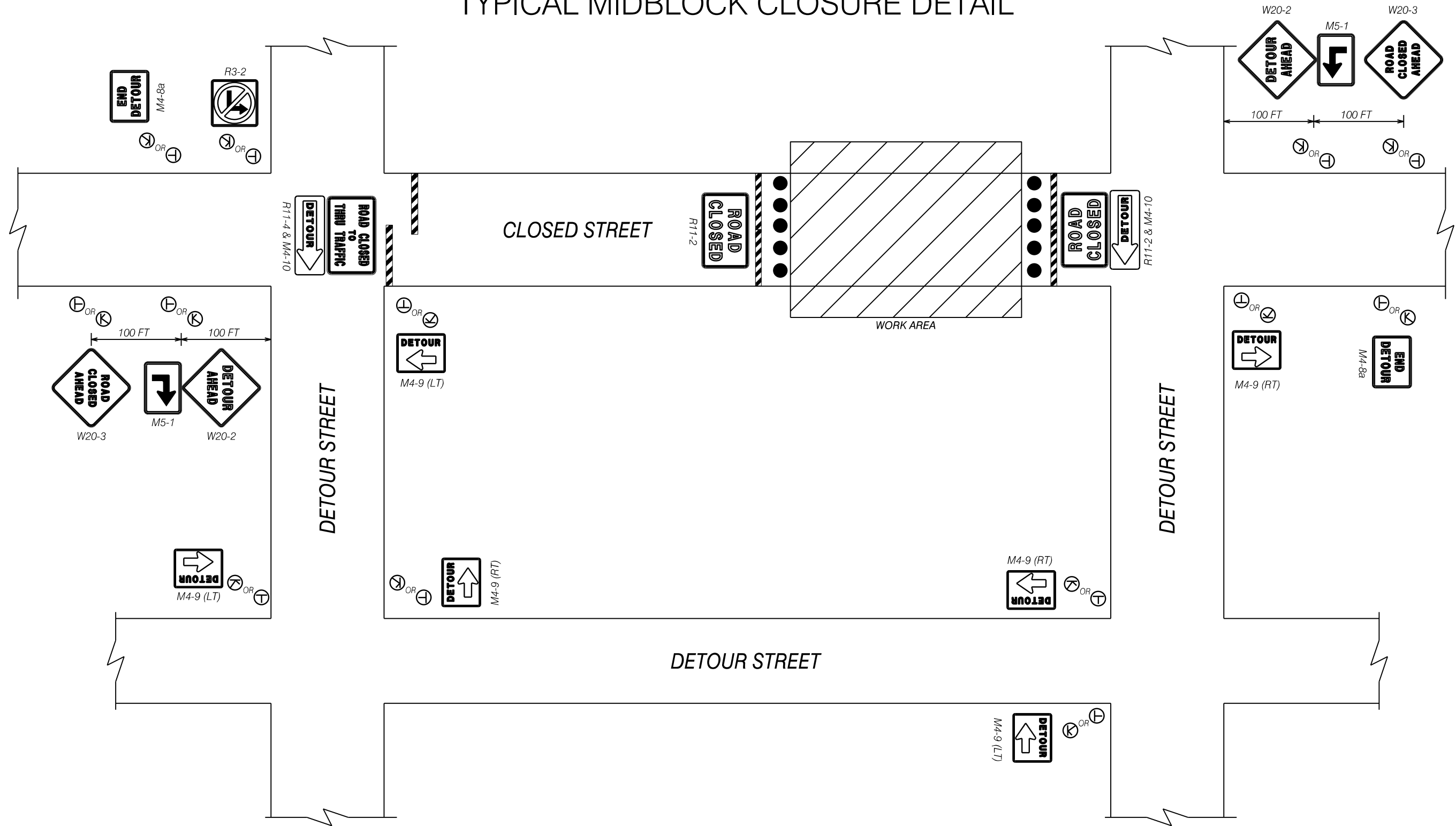
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DRAWING NO.

20-0001

TYPICAL MIDBLOCK CLOSURE DETAIL



NOTES:

1. ALL TRAFFIC CONTROL DEVICES SHALL BE MADE AND ERECTED IN ACCORDANCE WITH THE DETAILS SHOWN ON THE PLANS; THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION; THE GDOT STANDARD SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISIONS (SEE SECTION 150).
2. ALL TRAFFIC CONTROL DEVICES SHALL BE AS SHOWN OR AS DIRECTED BY THE ENGINEER. ADDITIONAL DEVICES MAY BE REQUIRED AS NEEDED.
3. ALL PORTABLE SIGNS SHALL BE MOUNTED A MINIMUM OF 1 FOOT ABOVE THE LEVEL OF PAVEMENT EDGE FOR DIRECTIONAL TRAFFIC OF TWO (2) LANES OR LESS AND A MINIMUM OF 7 FEET FOR DIRECTIONAL OF THREE (3) OR MORE LANES. ALL PORTABLE SIGNS AND SIGN MOUNTING DEVICES UTILIZED IN THE WORK SHALL BE NCHRP 350 COMPLIANT. PORTABLE SIGNS MAY BE USED WHEN THE DURATION OF WORK IS LESS THAN THREE DAYS.
4. DEVICES SHOWN ARE IN ADDITION TO ALL ADVANCE WARNING SIGNS REQUIRED IN SECTION 150.
5. WHEN NOT IN USE, PORTABLE SIGNS SHALL BE REMOVED FROM THE TRAVELWAY SO THAT THE MESSAGE IS NOT VISIBLE TO THE MOTORIST. INTERIM SIGNS THAT ARE PERMANENT MOUNTED SHALL BE COVERED WHEN NOT APPLICABLE.
6. PAYMENT FOR TRAFFIC CONTROL SHALL BE PER SECTION 150.

LEGEND	
	STRIPED DRUM
	PORTABLE MOUNTED SIGN (ON SHOUDLER)
	TEMPORARY POST MOUNTED SIGN (OFF SHOULDER)
	WORK AREA
	TYPICAL TYPE III BARRICADE

Streetscape Improvements on
Pentz Street & Cuyler Street
In the City of Dalton
Whitfield County, Georgia

NOT TO SCALE

Construction
Staging Details

DRAWING NO.
20-0002

ISSUE	DATE
30% Review	
PPPR (60%)	
PPPR (90%)	
FINAL (100%)	

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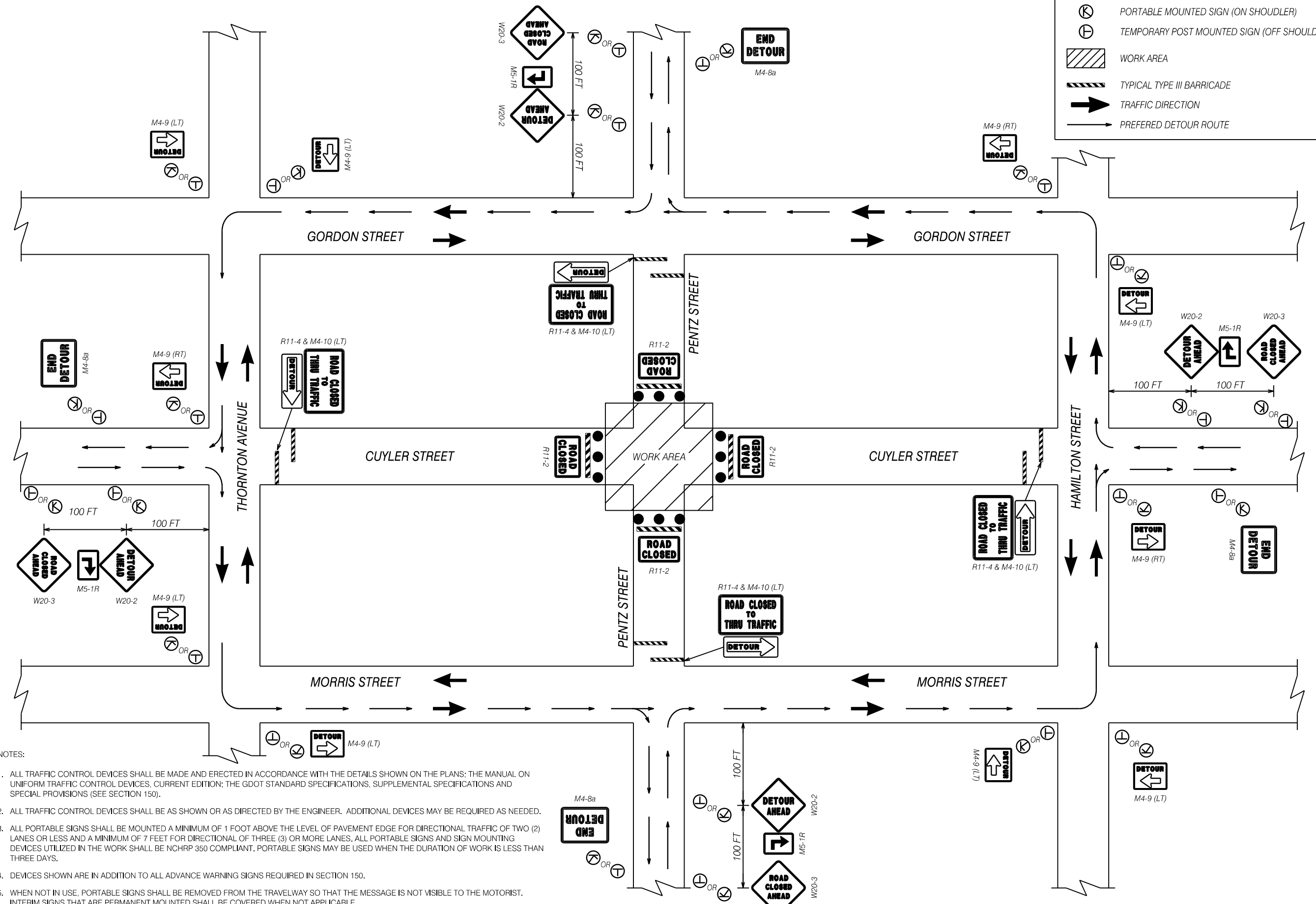
GMC

GMC # TATL220003

TYPICAL INTERSECTION CLOSURE DETAIL

LEGEND

- STRIPED DRUM
- Ⓚ PORTABLE MOUNTED SIGN (ON SHOUDLER)
- ⊕ TEMPORARY POST MOUNTED SIGN (OFF SHOULDER)
- ▨ WORK AREA
- ▬ TYPICAL TYPE III BARRICADE
- ➡ TRAFFIC DIRECTION
- ➡ PREFERED DETOUR ROUTE



- NOTES:
- 1. ALL TRAFFIC CONTROL DEVICES SHALL BE MADE AND ERECTED IN ACCORDANCE WITH THE DETAILS SHOWN ON THE PLANS; THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION; THE GDOT STANDARD SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISIONS (SEE SECTION 150).
 - 2. ALL TRAFFIC CONTROL DEVICES SHALL BE AS SHOWN OR AS DIRECTED BY THE ENGINEER. ADDITIONAL DEVICES MAY BE REQUIRED AS NEEDED.
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 - 4. DEVICES SHOWN ARE IN ADDITION TO ALL ADVANCE WARNING SIGNS REQUIRED IN SECTION 150.
 - 5. WHEN NOT IN USE, PORTABLE SIGNS SHALL BE REMOVED FROM THE TRAVELWAY SO THAT THE MESSAGE IS NOT VISIBLE TO THE MOTORIST. INTERIM SIGNS THAT ARE PERMANENT MOUNTED SHALL BE COVERED WHEN NOT APPLICABLE.
 - 6. PAYMENT FOR TRAFFIC CONTROL SHALL BE PER SECTION 150.

Streetscape Improvements on
Pentz Street & Cuyler Street
In the City of Dalton
Whitfield County, Georgia

NOT TO SCALE

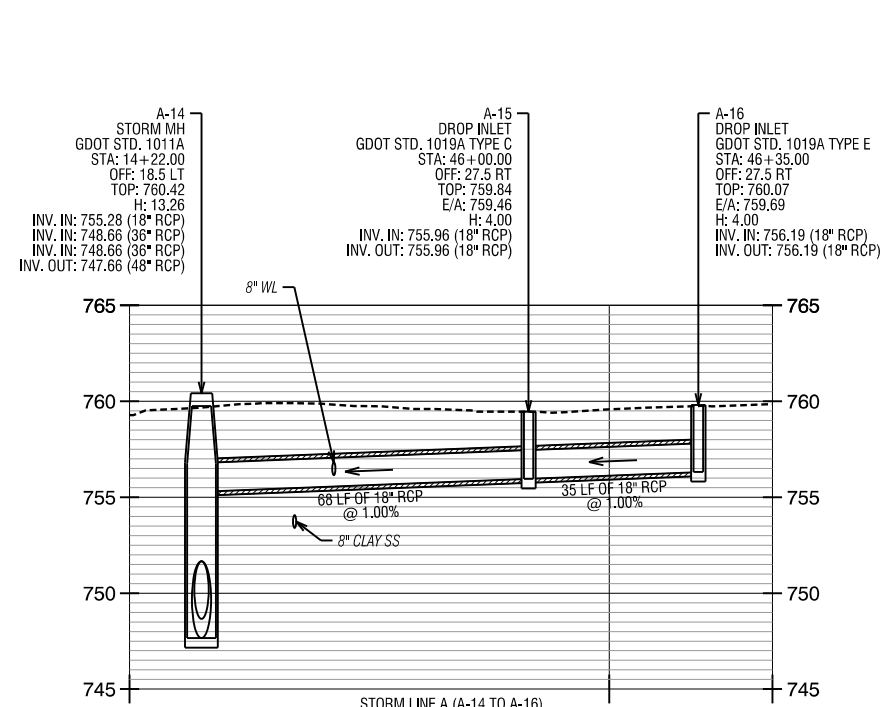
Construction
Staging Details

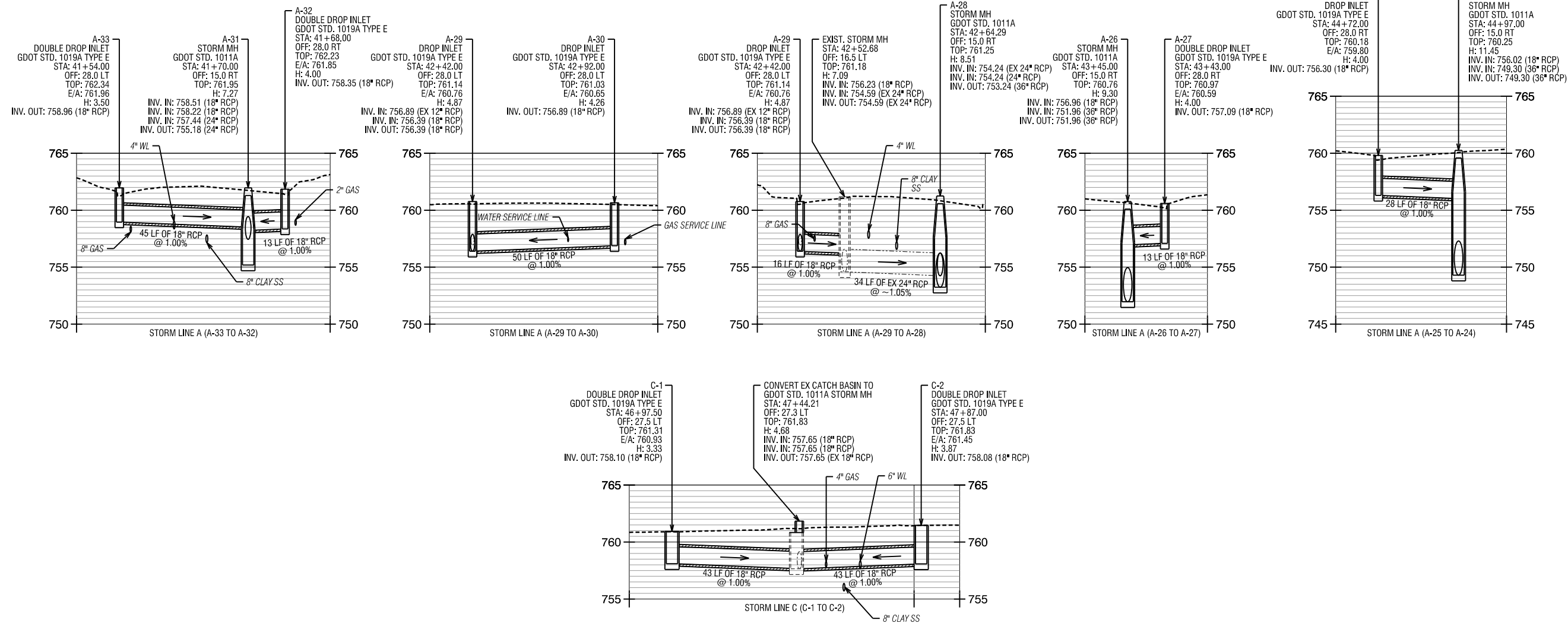
ISSUE	DATE
30% Review	
PFPR (60%)	
PFPR (90%)	
FINAL (100%)	

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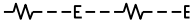
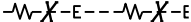
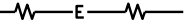
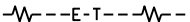
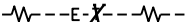
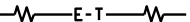
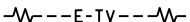
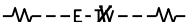
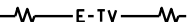
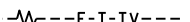
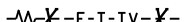

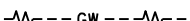








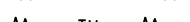


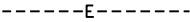
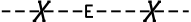
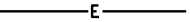
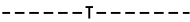
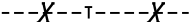
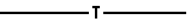
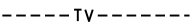
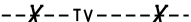

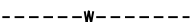
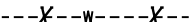
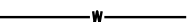


















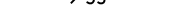






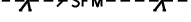

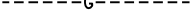
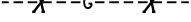
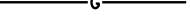
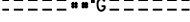
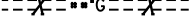

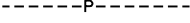
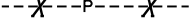
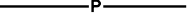
GMC # TATL220003



































































DRAWING NO.
20-0003





22-0003

UTILITY LINECODES				
	EXISTING	TO BE REMOVED	PROPOSED	TYPE OF UTILITY
OVERHEAD				ELECTRIC
				ELECTRIC/TELECOMMUNICATIONS
				ELECTRIC/CABLE TV
				ELECTRIC/TELECOMMUNICATIONS/CABLE TV
				GUY WIRE
				TELECOMMUNICATIONS
				TELECOMMUNICATIONS/CABLE TV
UNDERGROUND				CABLE TV
				ELECTRIC
				TELECOMMUNICATIONS
				CABLE TV
				WATER
				WATER FOR LABELED PIPE SIZES
				NON-POTABLE WATER
				NON-POTABLE WATER FOR LABELED PIPE SIZES
				STEAM
				STEAM FOR LABELED PIPE SIZES
				SANITARY SEWER WITH FLOW DIRECTION
				SANITARY SEWER WITH FLOW DIRECTION FOR LABELED PIPE SIZES
				SANITARY SEWER FORCE MAIN WITH FLOW DIRECTION
				GAS
				GAS FOR LABELED PIPE SIZES
				PETROLEUM
				PETROLEUM FOR LABELED PIPE SIZES

UTILITY SYMBOLS									
EXISTING	PROPOSED	TEMPORARY							
			UTILITY POLE/GUY POLE						
			LIGHT POLE						
			GUY ANCHOR						
			MARKER						
			SPICE BOX						
			CABINET						
			VENT						
			ELECTRIC MANHOLE						
			HAND HOLE						
			TRANSFORMER						
			ELECTRIC METER						
			ELECTRIC BOX						
			TRANSMISSION TOWER						
			TELECOMMUNICATIONS MANHOLE						
			TELECOMMUNICATIONS PEDESTAL						
			SUBSCRIBER LOOP CARRIER (aka "SLICK")						
			PHONE BOOTH						
			CABLE TV PEDESTAL						
			CABLE TV MANHOLE						
			WATER VALVE						
			WATER METER						
			WATER MANHOLE						

Streetscape Improvements on
Pentz Street & Cuyler Street
In the City of Dalton
Whitfield County, Georgia

NOT TO SCALE

Utility
Plans Legend

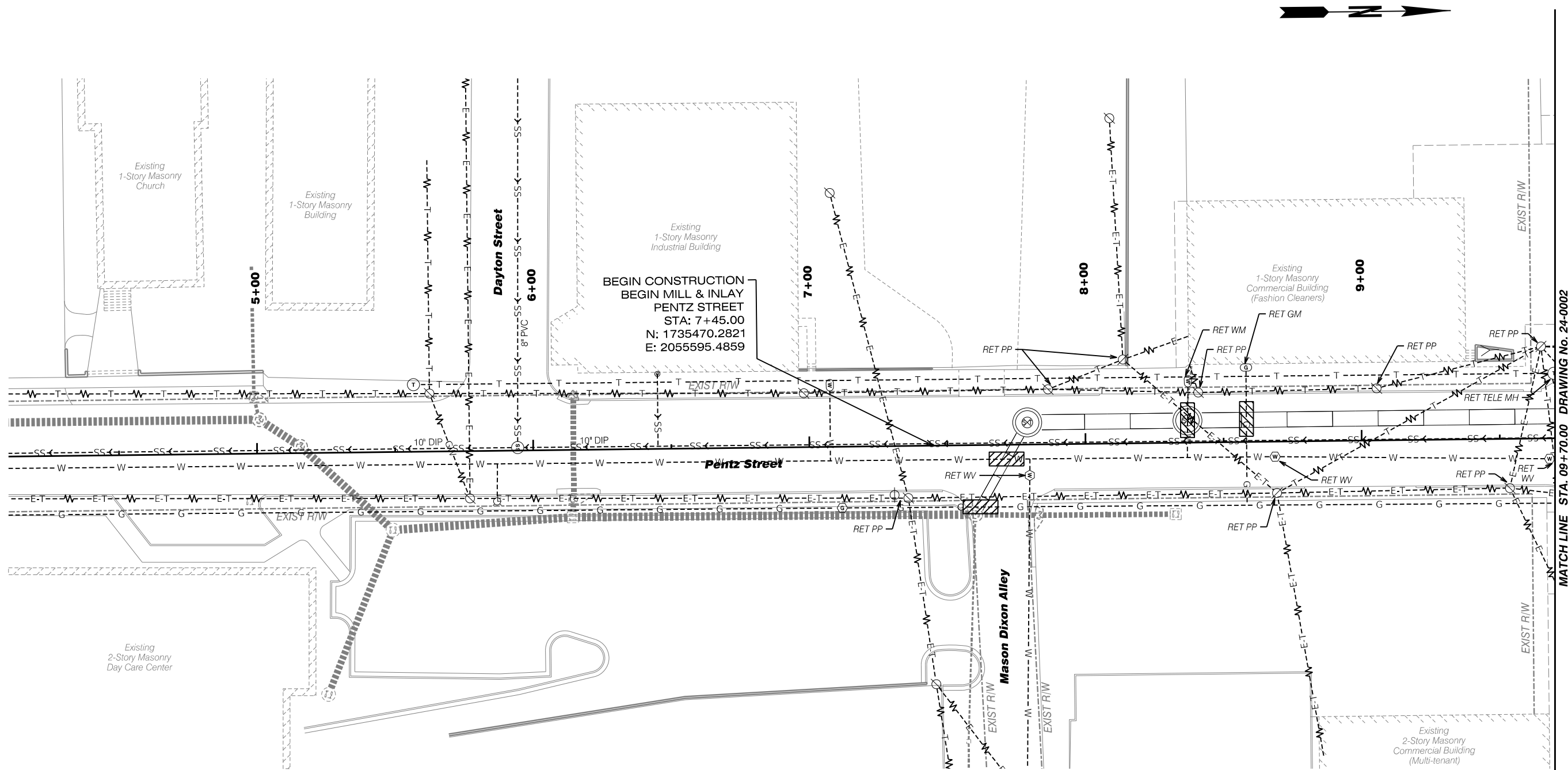
DRAWING NO.
24-0000

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ISSUE	DATE
30% Review	
PPR (60%)	
PPR (90%)	
FINAL (100%)	

GMC # TATL220003





LEGEND



REQD HAND DIGGING AROUND UTILITY
SEE SHEETS 24-0007 TO 24-0010 FOR
UTILITY CONFLICT ADJUSTMENT DETAILS

Streetscape Improvements on
Pentz Street & Cuyler Street
In the City of Dalton
Whitfield County, Georgia

PENTZ STREET

Utility Plans

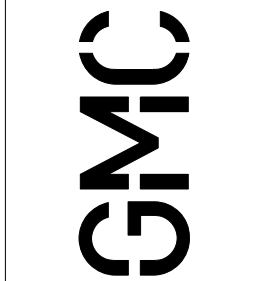
04+10 to 09+70



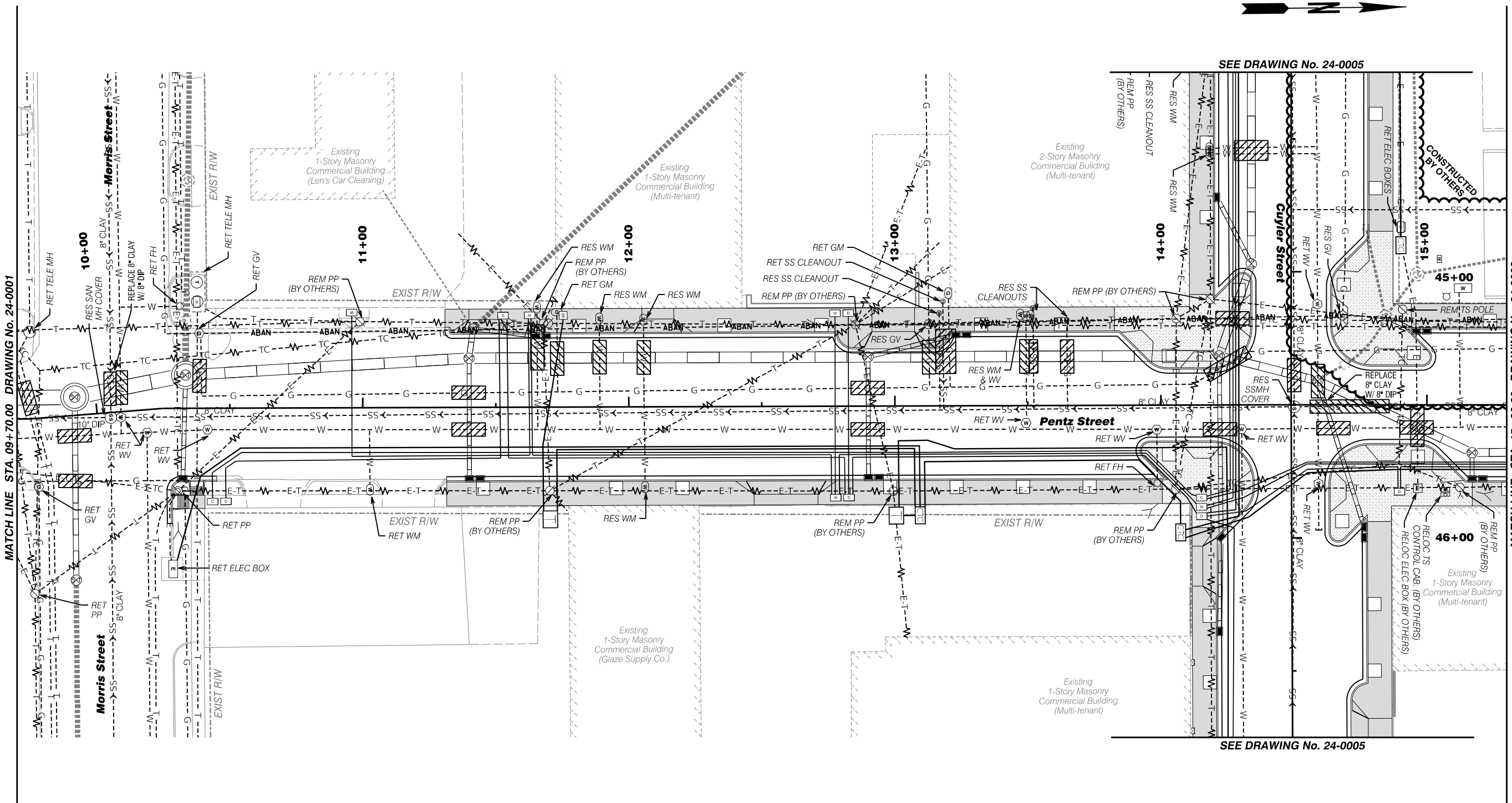
ISSUE	DATE
30% Review	
PPR (60%)	
PPR (90%)	
FINAL (100%)	

GMC # TATL220003

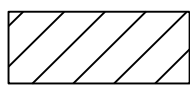
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DRAWING NO.
24-0001



LEGEND



REQD HAND DIGGING AROUND UTILITY
SEE SHEETS 24-0007 TO 24-0010 FOR
UTILITY CONFLICT ADJUSTMENT DETAILS

SEE DRAWING No. 24-0005

SEE DRAWING No. 24-0005

Streetscape Improvements on
Pentz Street & Cuyler Street
In the City of Dalton
Whitfield County, Georgia

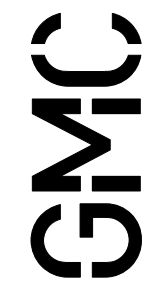


PENTZ STREET
Utility Plans
09+70 to 15+30

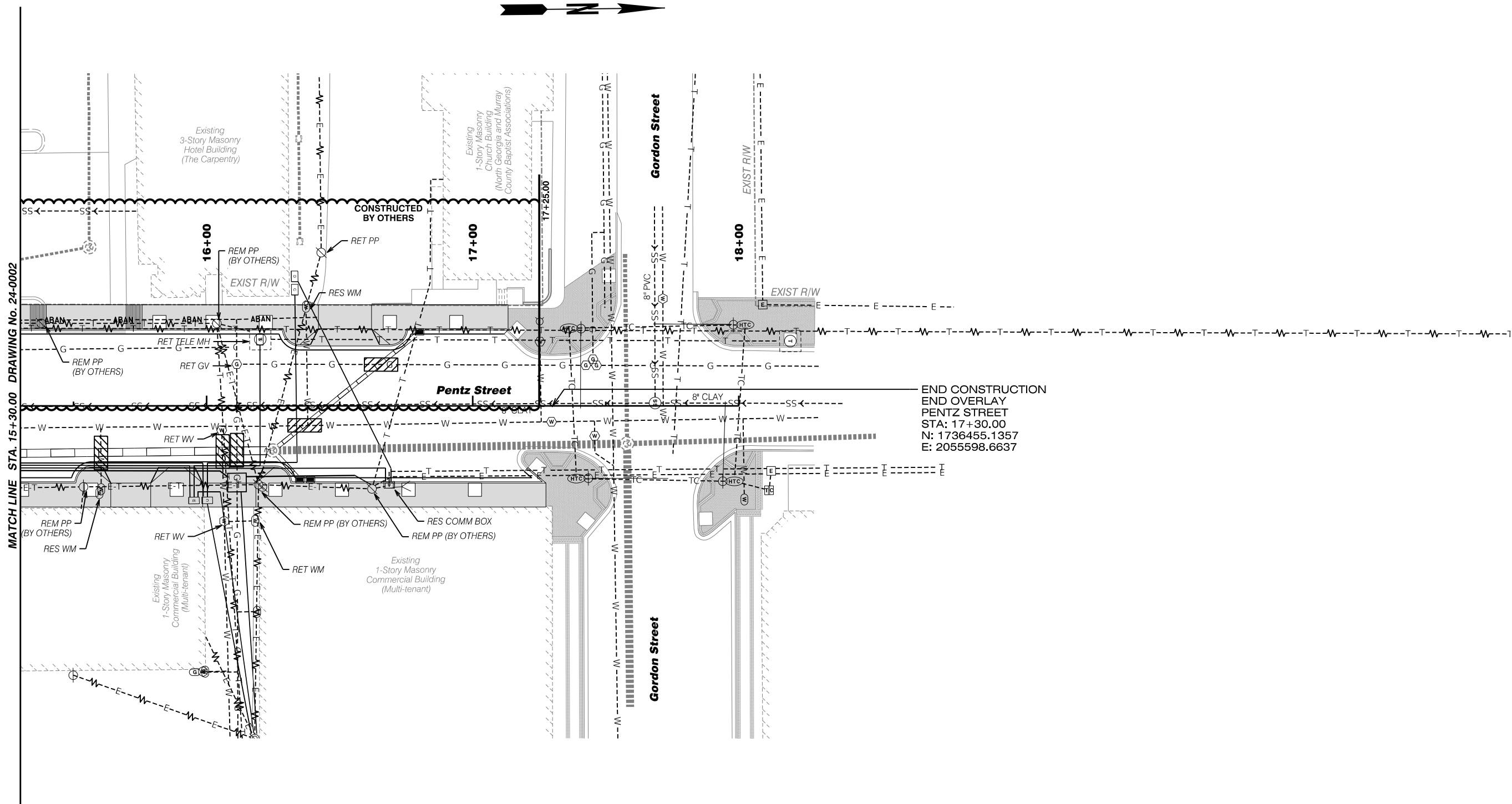
DRAWING NO.
24-0002

ISSUE	DATE
30% Review	
PPFR (60%)	
FFPR (90%)	
FINAL (100%)	

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GMC # TATL220003



LEGEND



REQD HAND DIGGING AROUND UTILITY
SEE SHEETS 24-0007 TO 24-0010 FOR
UTILITY CONFLICT ADJUSTMENT DETAILS

END CONSTRUCTION
END OVERLAY
PENTZ STREET
STA: 17+30.00
N: 1736455.1357
E: 2055598.6637



PENTZ STREET

Utility Plans

15+30 to 18+00

DRAWING NO.
24-0003

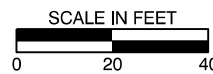
Streetscape Improvements on
Pentz Street & Cuyler Street
In the City of Dalton
Whitfield County, Georgia

GMC # TATL220003

ISSUE	DATE
30% Review	
PFP (60%)	
PFP (90%)	
FINAL (100%)	

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CUYLER STREET

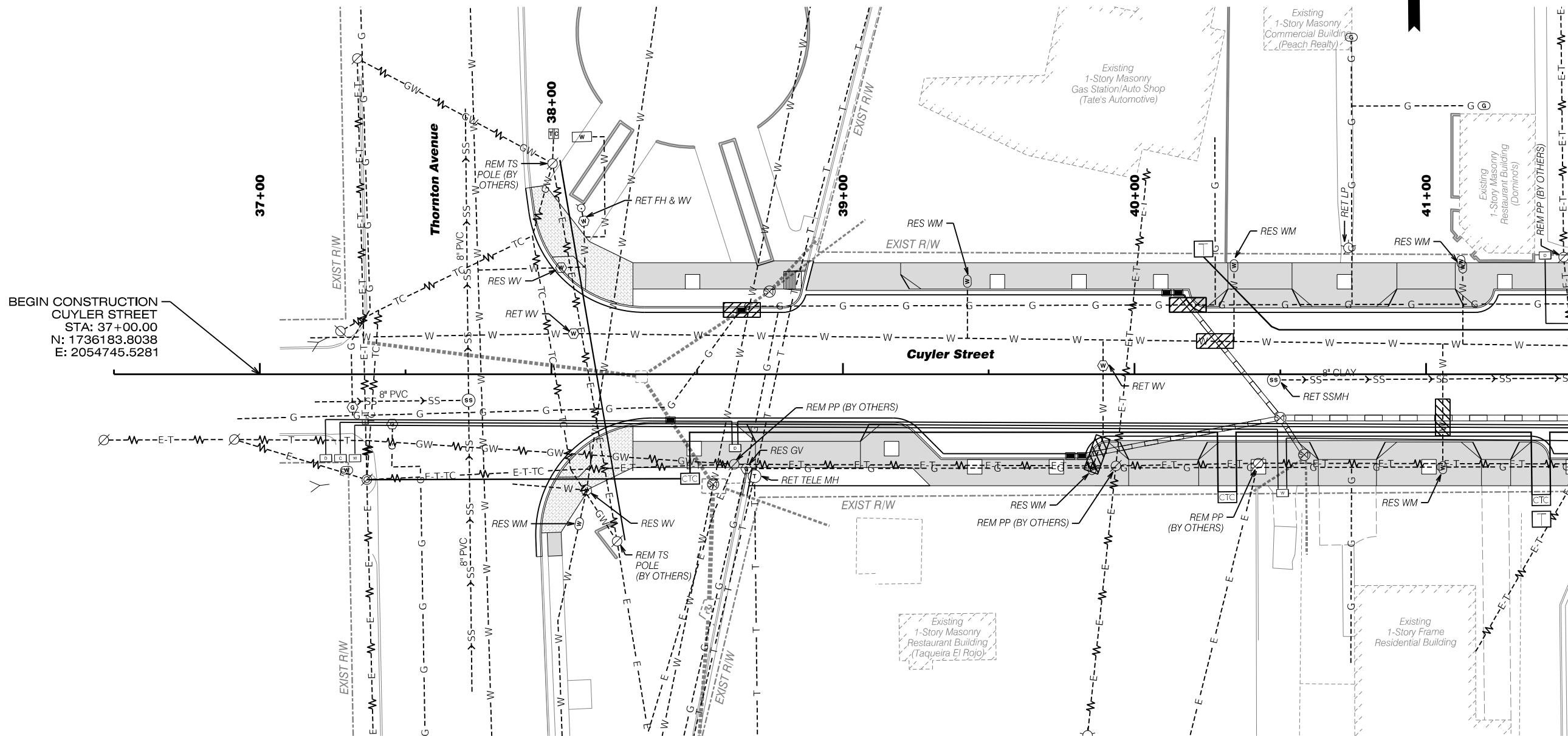
Utility Plans

36+50 to 41+50

DRAWING NO.

24-0004

ISSUE	DATE
30% Review	
PPFR (60%)	
FFPR (90%)	
FINAL (100%)	



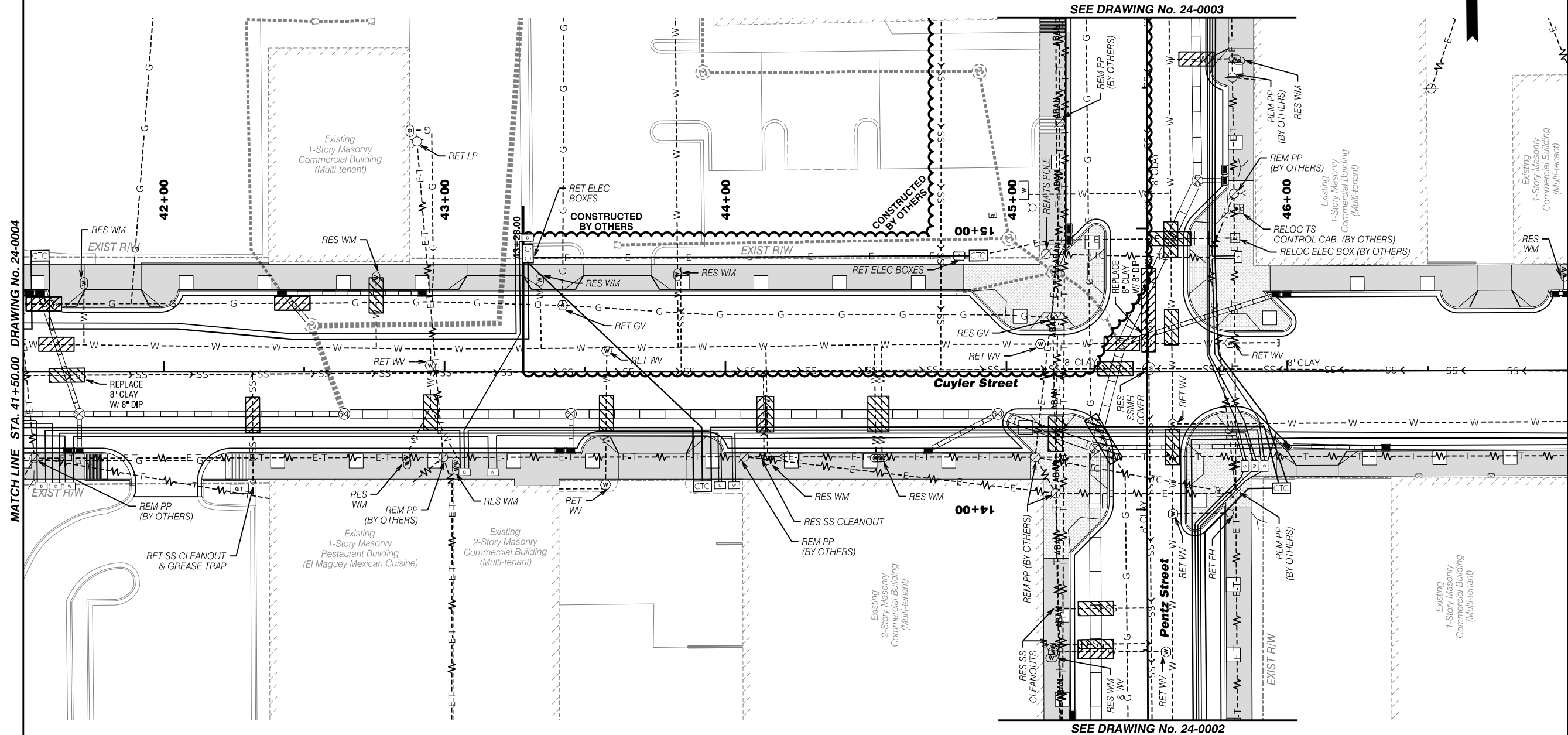
LEGEND



REQD HAND DIGGING AROUND UTILITY
SEE SHEETS 24-0007 TO 24-0010 FOR
UTILITY CONFLICT ADJUSTMENT DETAILS

MATCH LINE STA. 41+50.00 DRAWING No. 24-0005

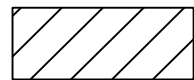
BEGIN CONSTRUCTION
CUYLER STREET
STA: 37+00.00
N: 1736183.8038
E: 2054745.5281



MATCH LINE STA. 41+50.00 DRAWING No. 24-0004

MATCH LINE STA. 47+00.00 DRAWING No. 24-0006

LEGEND



REQD HAND DIGGING AROUND UTILITY
SEE SHEETS 24-0007 TO 24-0010 FOR
UTILITY CONFLICT ADJUSTMENT DETAILS

SEE DRAWING No. 24-0003

SEE DRAWING No. 24-0002



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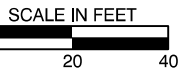
ISSUE DATE

30% Review	
PPFR (60%)	
FFPR (90%)	
FINAL (100%)	

Streetscape Improvements on
Pentz Street & Cuyler Street

In the City of Dalton
Whitfield County, Georgia

GMC # TATL220003



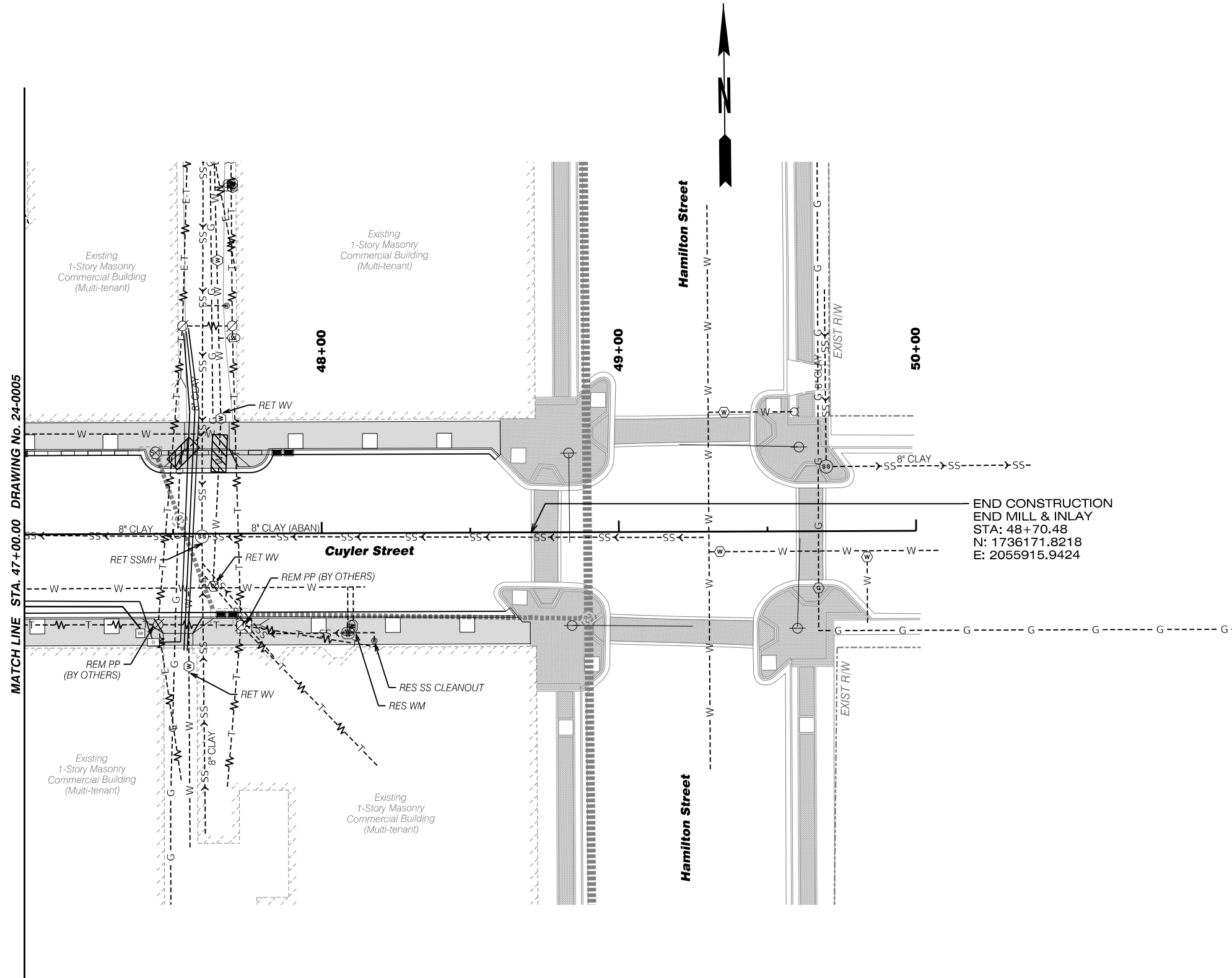
CUYLER STREET

Utility Plans

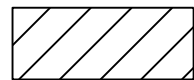
41+50 to 47+00

DRAWING NO.

24-0005

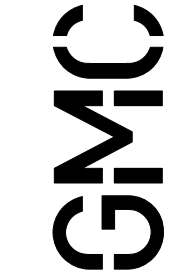


LEGEND



REQD HAND DIGGING AROUND UTILITY
SEE SHEETS 24-0007 TO 24-0010 FOR
UTILITY CONFLICT ADJUSTMENT DETAILS

END CONSTRUCTION
END MILL & INLAY
STA: 48+70.48
N: 1736171.8218
E: 2055915.9424



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ISSUE	DATE
30% Review	
PFPR (60%)	
FFPR (90%)	
FINAL (100%)	

Streetscape Improvements on
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Whitfield County, Georgia

GMC # TATL220003



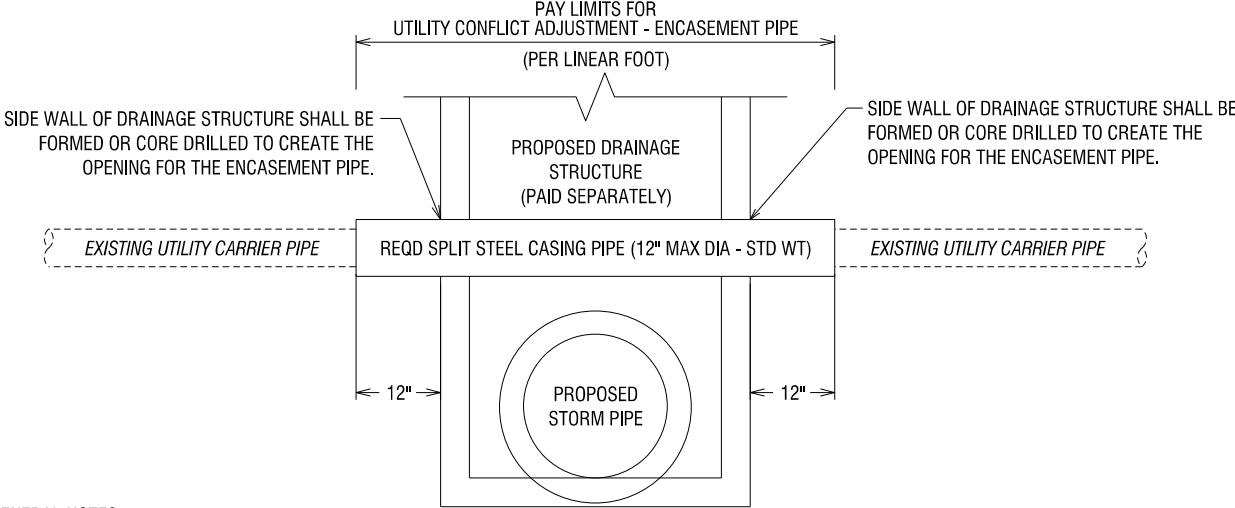
CUYLER STREET

Utility Plans

47+00 to 50+00

DRAWING NO.
24-0006

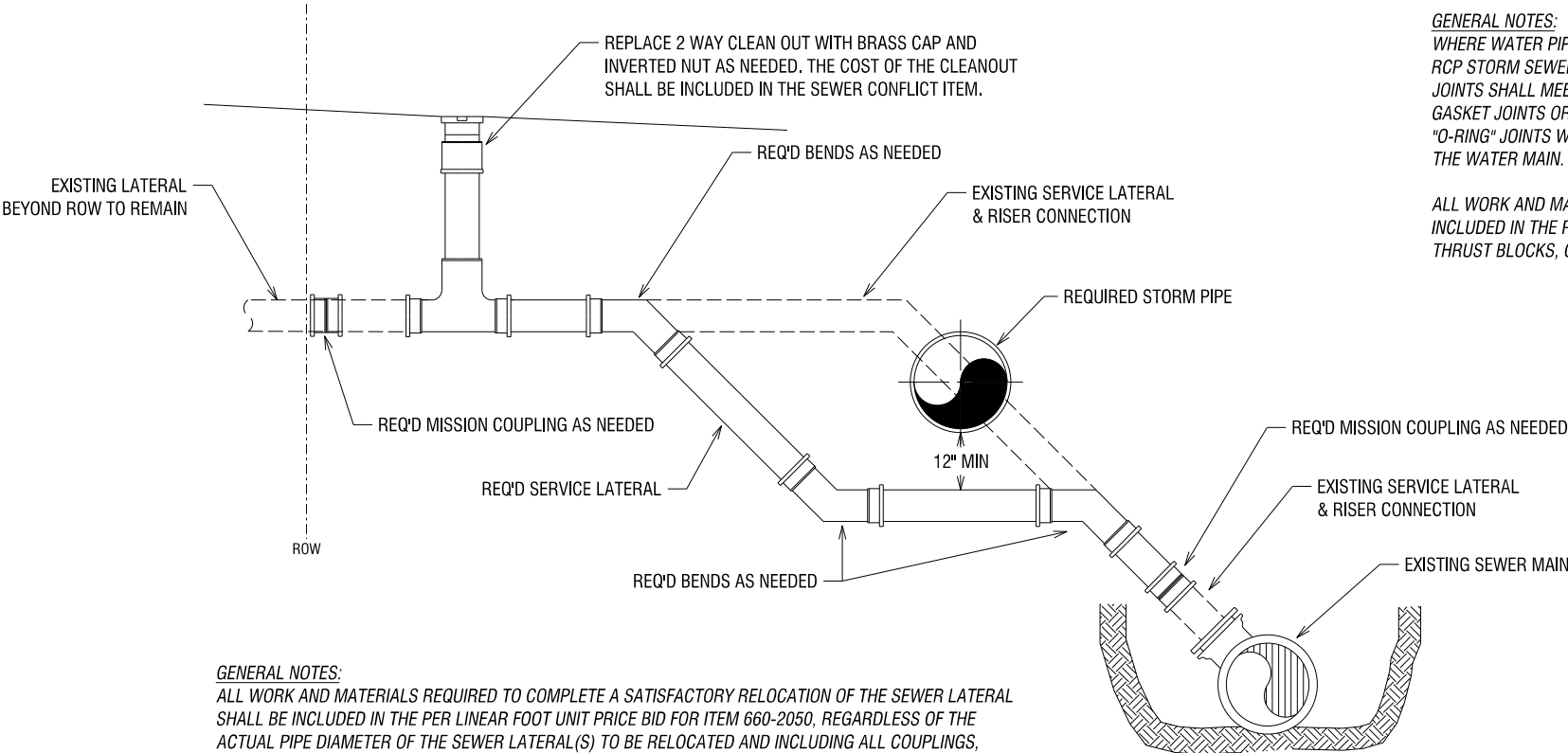
UTILITY CONFLICT ADJUSTMENT DETAIL - ENCASEMENT PIPE



GENERAL NOTES:

- THE STEEL CASING PIPE DIAMETER SHALL BE SIZED ACCORDINGLY TO SUFFICIENTLY ENCASE THE CONFLICTING UTILITY PIPE UP TO A 12 INCH MAXIMUM DIAMETER.
- IF MULTIPLE CASING PIPES ARE REQUIRED AT A GIVEN CONFLICT BOX LOCATION, EACH ENCASEMENT PIPE SHALL BE MEASURED SEPARATELY FOR PAYMENT; IN THE EVENT THE CONTRACTOR ELECTS TO USE SMALLER ENCASEMENT PIPES WHEN A LARGER SINGLE ENCASEMENT PIPE IS CAPABLE OF ACCOMPLISHING THE UTILITY ENCASEMENT, THE CONFLICT ADJUSTMENT SHALL ONLY BE MEASURED AS A SINGLE PIPE REGARDLESS OF THE DECISION OF THE CONTRACTOR TO USE MULTIPLE SMALLER CASING PIPES INSTEAD.
- ALL WORK AND MATERIALS REQUIRED TO SUCCESSFULLY ENCASE THE EXISTING UTILITY ITEM THROUGH A PROPOSED DRAINAGE STRUCTURE SHALL BE INCLUDED IN THE LINEAR FOOT UNIT PRICE BID FOR ITEM 615-1000, UTILITY CONFLICT ADJUSTMENT - ENCASEMENT PIPE. THE PROPOSED DRAINAGE STRUCTURE ITEM IS NOT INCLUDED IN THIS BID ITEM. THE DRAINAGE STRUCTURE SHALL BE MEASURED INDEPENDANTLY UNDER THE SEPARATE BID ITEM FOR THAT PARTICULAR STRUCTURE TYPE.
- ANY WORK REQUIRED TO MODIFY OR REPLACE THE EXISTING UTILITY CARRIER PIPE(S) SHALL BE THE RESPONSIBILITY OF THE UTILITY OWNER, OR OTHERWISE SHALL BE MEASURED INDEPENDANTLY FOR PAYMENT USING SEPARATE UTILITY CONFLICT ADJUSTMENT BID ITEMS.

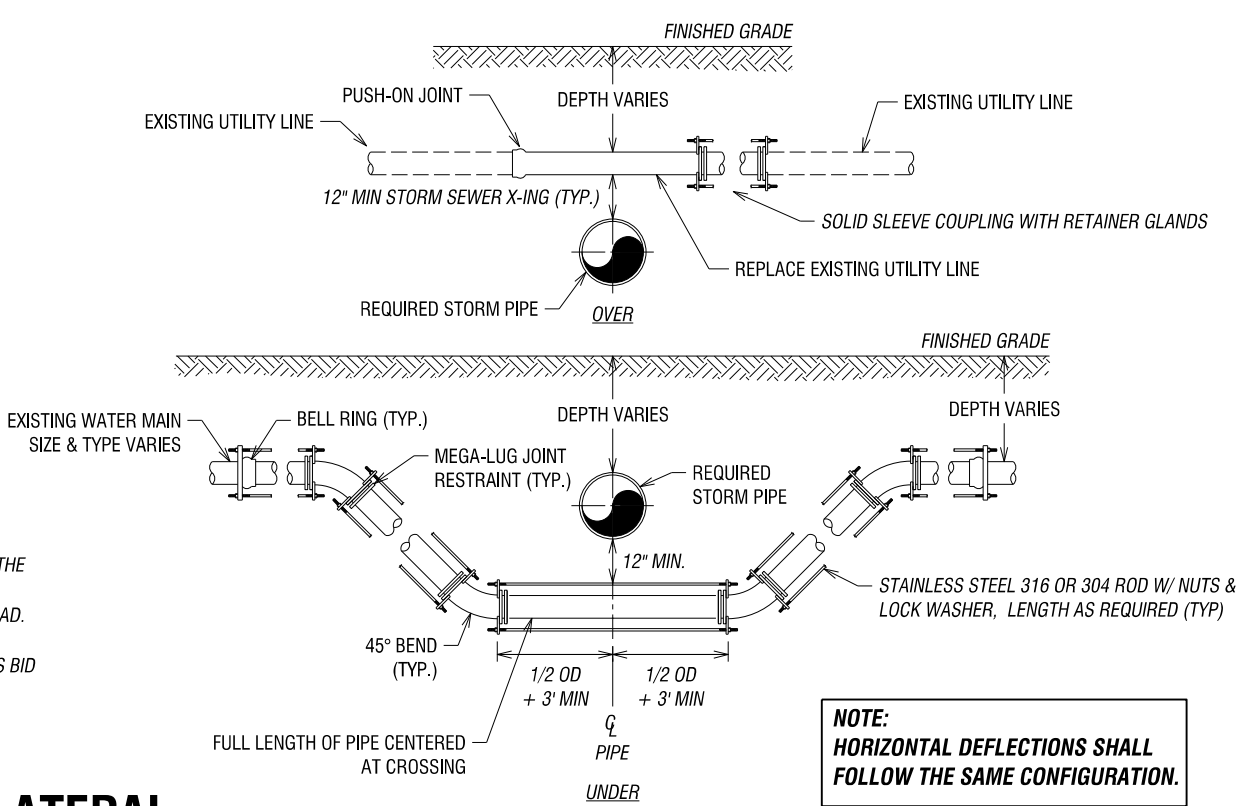
UTILITY CONFLICT ADJUSTMENT DETAIL - SEWER LATERAL



GENERAL NOTES:

ALL WORK AND MATERIALS REQUIRED TO COMPLETE A SATISFACTORY RELOCATION OF THE SEWER LATERAL SHALL BE INCLUDED IN THE PER LINEAR FOOT UNIT PRICE BID FOR ITEM 660-2050, REGARDLESS OF THE ACTUAL PIPE DIAMETER OF THE SEWER LATERAL(S) TO BE RELOCATED AND INCLUDING ALL COUPLINGS, BENDS, CLEANOUTS, OR OTHER FITTINGS NECESSARY TO RESTORE THE CONNECTION AS SHOWN.

UTILITY CONFLICT ADJUSTMENT DETAIL - WATER MAIN



GENERAL NOTES:

WHERE WATER PIPE CROSSES UNDER RCP STORM SEWERS, THE RCP PIPE JOINTS SHALL MEET ASTM C433 FLAT GASKET JOINTS OR ASTM C361 "O-RING" JOINTS WITHIN 10 FEET OF THE WATER MAIN.

ALL WORK AND MATERIALS REQUIRED TO COMPLETE A SATISFACTORY RELOCATION OF THE WATER MAIN SHALL BE INCLUDED IN THE PER LINEAR FOOT UNIT PRICE BID FOR ITEM 670-1080, INCLUDING ALL TIE BARS, JOINT RESTRAINTS, THRUST BLOCKS, OR OTHER FITTINGS NECESSARY TO RESTORE THE CONNECTION AS SHOWN.

MAIN DIAMETER	NUMBER OF TIE RODS REQUIRED	SIZE OF RODS
3" TO 8"	2	3/4"
10" TO 12"	4	3/4"
14" TO 16"	6	3/4"
18" TO 20"	8	3/4"

Streetscape Improvements on
Pentz Street & Cuyler Street
In the City of Dalton
Whitfield County, Georgia

NOT TO SCALE

Utility Plans
Details

DRAWING NO.
24-0007

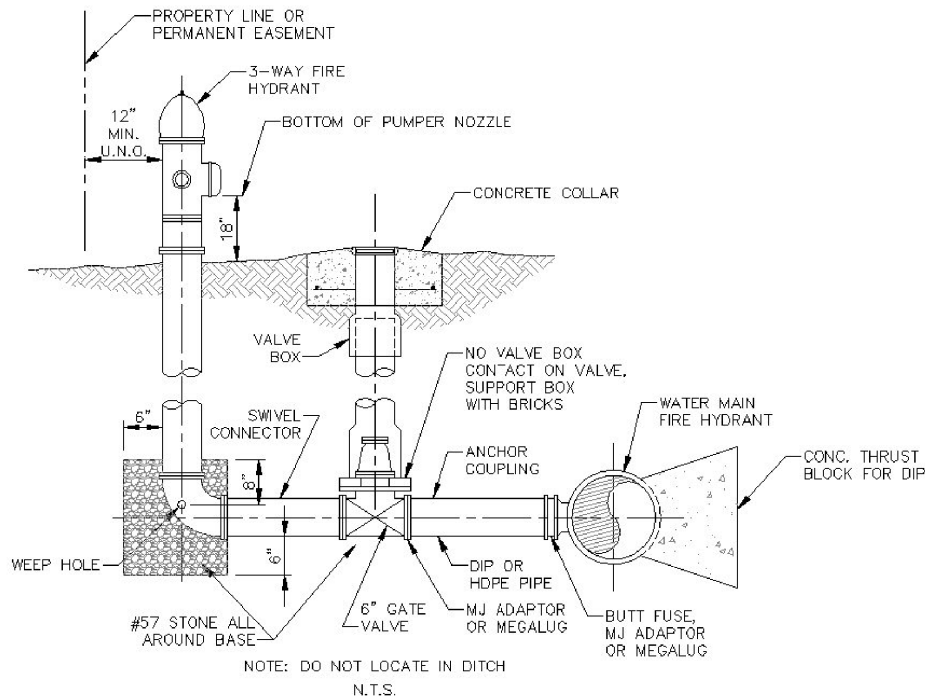
ISSUE	DATE
30% Review	
PPR (60%)	
PPR (90%)	
FINAL (100%)	

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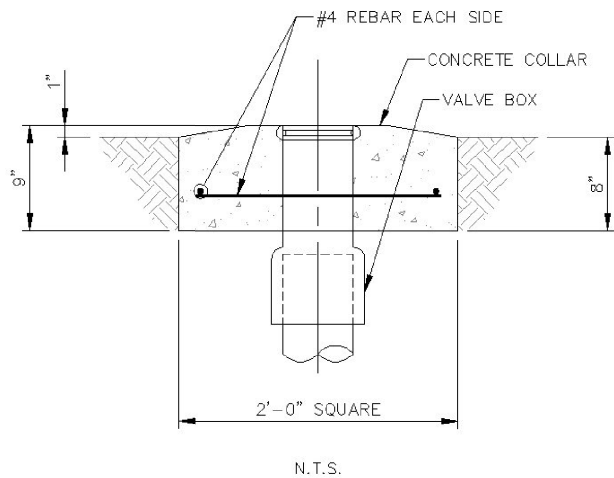
GMC # TATL220003

GMC

FIRE HYDRANT DETAIL



CONCRETE COLLAR FOR VALVE BOX



GENERAL NOTES:
ALL WORK AND MATERIALS REQUIRED FOR A COMPLETE INSTALLATION OF THE FIRE HYDRANT ASSEMBLY AS SHOWN SHALL BE INCLUDED IN THE PER EACH UNIT PRICE FOR ITEM 670-4000, INCLUDING VALVES, JOINT RESTRAINTS, VALVE BOXES, CONCRETE COLLARS, THRUST BLOCKS, AGGREGATE BEDDING, RISER EXTENSIONS, OR OTHER FITTINGS NECESSARY TO COMPLETE THE INSTALLATION AS SHOWN. TAPPING SLEEVES (IF REQUIRED) SHALL BE MEASURED AND PAID SEPARATELY FROM THE FIRE HYDRANT ASSEMBLY ITEM, BUT ALL OTHER ITEMS REQUIRED TO COMPLETE THE FIRE HYDRANT ASSEMBLY INSTALLATION SHALL BE INCLUDED IN THE BID PRICE FOR THE FIRE HYDRANT ASSEMBLY ITEM.

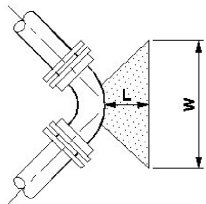
CONCRETE BLOCKING DIMENSIONS

PIPE SIZE	FITTINGS (DEGREES)	L	END DIMENSIONS OF BLOCK AGAINST UNDISTURBED SOIL (IN FEET)		CUBIC YARDS OF CONCRETE
			D	W	
4" & 6"	11 1/4°	0'-8"	10	14	0.02
	22 1/2°	0'-8"	12	23	0.04
	45°	1'-3"	16	32	0.13
	90°	1'-8"	22	44	0.28
	TEE or DE	1'-3"	18	37	0.16
8"	11 1/4°	0'-9"	15	3.0	0.07
	22 1/2°	1'-3"	22	4.4	0.24
	45°	1'-9"	3.1	6.1	0.62
	90°	2'-8"	4.2	8.3	1.82
	TEE or DE	2'-0"	3.0	8.0	0.89
12"	11 1/4°	0'-9"	16	3.1	0.08
	22 1/2°	1'-3"	23	4.5	0.26
	45°	1'-9"	3.1	6.2	0.76
	90°	2'-8"	4.3	8.5	2.08
	TEE or DE	2'-0"	3.6	7.1	1.23
24"	11 1/4°	2'-8"	2.8	2.4	0.37
	22 1/2°	4'-0"	4.0	3.5	1.1
	45°	4'-0"	4.5	5.0	1.78
	90°	5'-0"	4.5	10.0	4.46
	TEE or DE	4'-0"	5.0	7.2	2.88
30"	11 1/4°	4'-0"	4.0	4.0	1.27
	22 1/2°	5'-0"	5.0	5.5	2.72
	45°	6'-0"	6.5	8.0	8.16
	90°	6'-6"	7.0	15.0	13.52
	TEE or DE	6'-0"	7.0	12.0	9.98

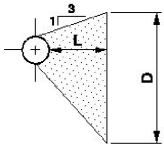
TEST PRESSURE = 200 PSI
SOIL BEARING PRESSURE = 2,000 PSF

TYPICAL DUCTILE IRON BLOCKING DETAIL

GENERAL NOTES:
THE COST FOR ALL REQUIRED CONCRETE THRUST BLOCKS SHALL BE ABSORBED IN THE UNIT PRICE OF THE WATER MAIN ITEM BEING INSTALLED. NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE FOR CONCRETE THRUST BLOCKS.

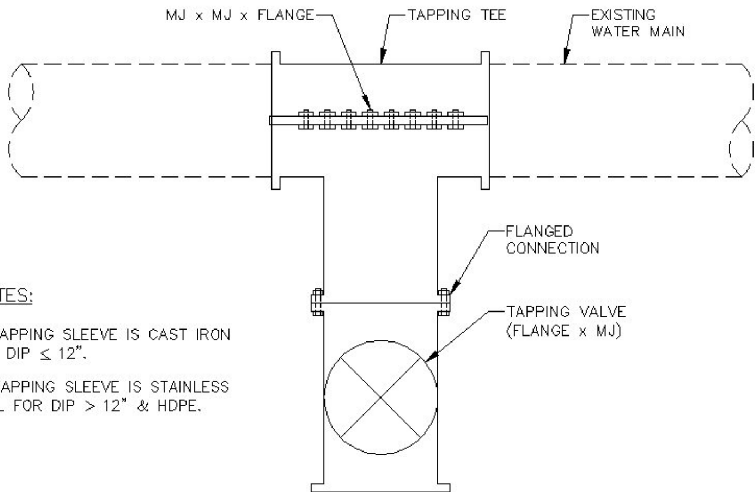


PLAN



SECTION

TYPICAL "WET" TAP



NOTES:
1. TAPPING SLEEVE IS CAST IRON FOR DIP ≤ 12".
2. TAPPING SLEEVE IS STAINLESS SEEL FOR DIP > 12" & HDPE.

N.T.S.

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FINAL (100%)	

Streetscape Improvements on
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In the City of Dalton
Whitfield County, Georgia

GMC # TATL220003

NOT TO SCALE

Utility Plans
Details

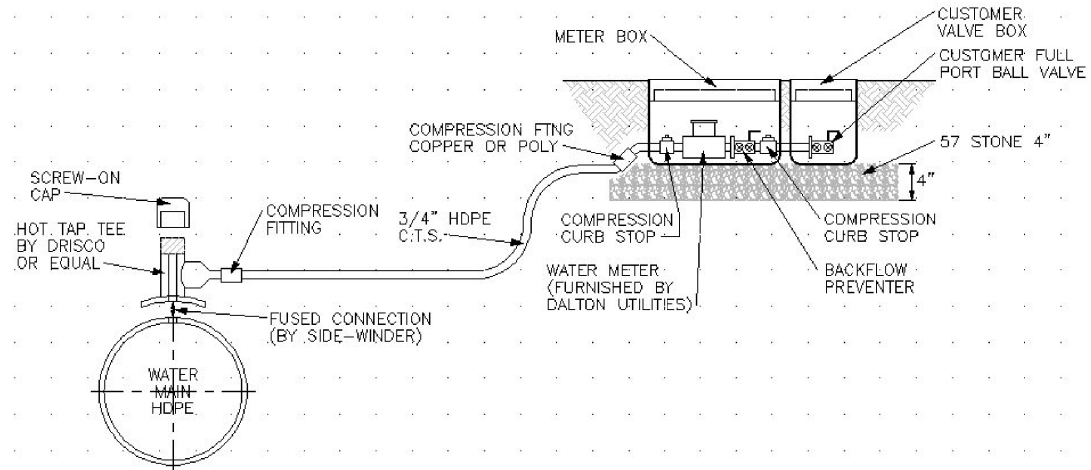
DRAWING NO.

24-0008

WATER SERVICE DETAIL

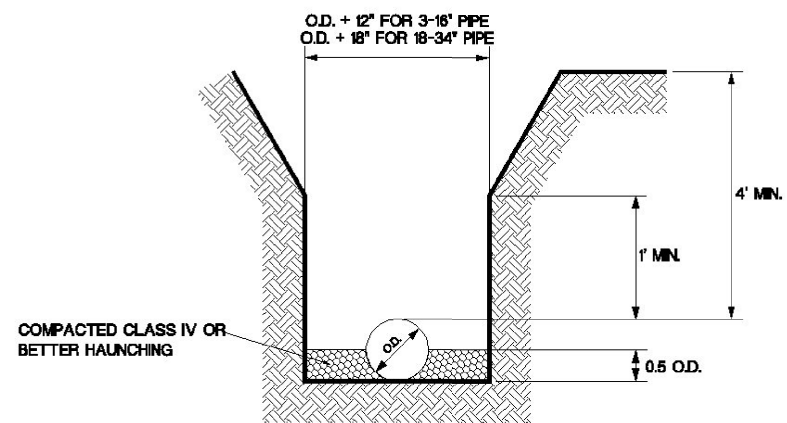
GENERAL NOTES:

FOR WATER SERVICE LINES THAT ARE ENCOUNTERED AND DETERMINED TO BE IN CONFLICT WITH THE PROJECT, ALL WORK AND MATERIALS REQUIRED TO COMPLETE A SATISFACTORY RELOCATION OF THE WATER SERVICE LINE SHALL BE INCLUDED IN THE PER LINEAR FOOT UNIT PRICE BID FOR ITEM 670-5000, REGARDLESS OF THE ACTUAL PIPE MATERIAL OR PIPE DIAMETER OF THE WATER SERVICE LINE TO BE RELOCATED. THE PER LINEAR FOOT UNIT OF MEASUREMENT SHALL INCLUDE ALL COUPLINGS, BENDS, OR OTHER FITTINGS NECESSARY TO RESTORE THE CONNECTION AS SHOWN.



TYPICAL SINGLE SERVICE OFF POLYETHYLENE MAIN

N.T.S.



NOTE: USE CRUSHED STONE BEDDING AND HAUNCHING WHERE REQUESTED BY OWNER DUE TO TRENCH CONDITIONS.

FOR FOUNDATIONS WITH POOR BEARING STRENGTH, PROVIDE 4" OF CLASS I OR II MATERIAL FOR FOUNDATION AND BEDDING.

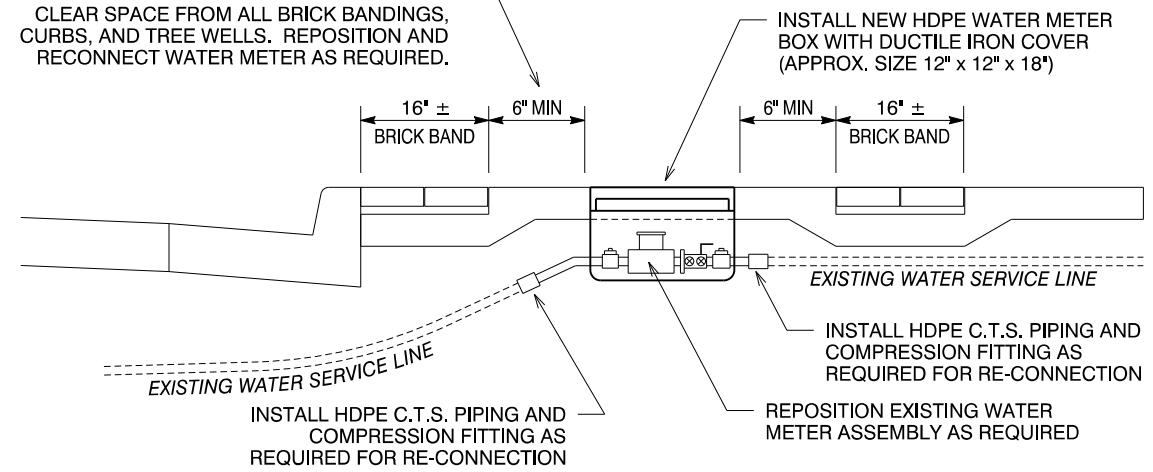
FOR FOUNDATIONS WHERE RIDGES, HOLLOW, OR LUMPS ARE PRESENT,
REMOVE AND REPLACE WITH 6" OF CLASS I OR II BEDDING.

HDPE WATER MAIN PIPE BEDDING DETAIL

N.T.S.

TYPICAL WATER METER BOX REPLACEMENT INSTALLATION

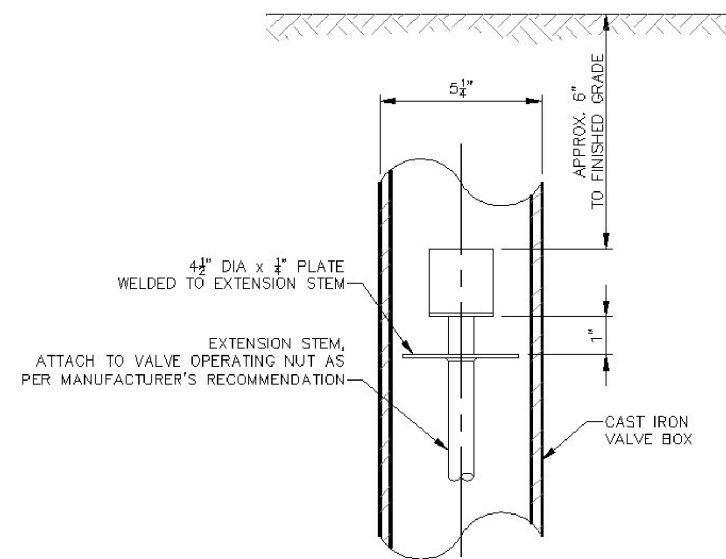
THE WATER METER AND METER BOX LOCATION SHALL BE ADJUSTED TO MAINTAIN A 6 INCH CLEAR SPACE FROM ALL BRICK BANDINGS, CURBS, AND TREE WELLS. REPOSITION AND RECONNECT WATER METER AS REQUIRED.




GENERAL NOTES:

ALL WORK AND MATERIALS REQUIRED TO ADJUST THE LOCATION OF THE WATER METER AS SHOWN, INCLUDING THE COST OF THE NEW WATER METER BOX AND COVER SHALL BE INCLUDED IN THE PER EACH UNIT PRICE BID FOR ITEM 611-8120, ADJUST WATER METER BOX TO GRADE (INCL NEW METER BOX AND COVER).

EXTENSION STEM DETAIL



N.T.S.



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PFPR (60%)	

FFPR (90%)	FINAL (100%)
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FINAL (100%)

**Streetscape Improvements on
Pentz Street & Cuyler Street**
In the City of Dalton

Whitfield County, Georgia

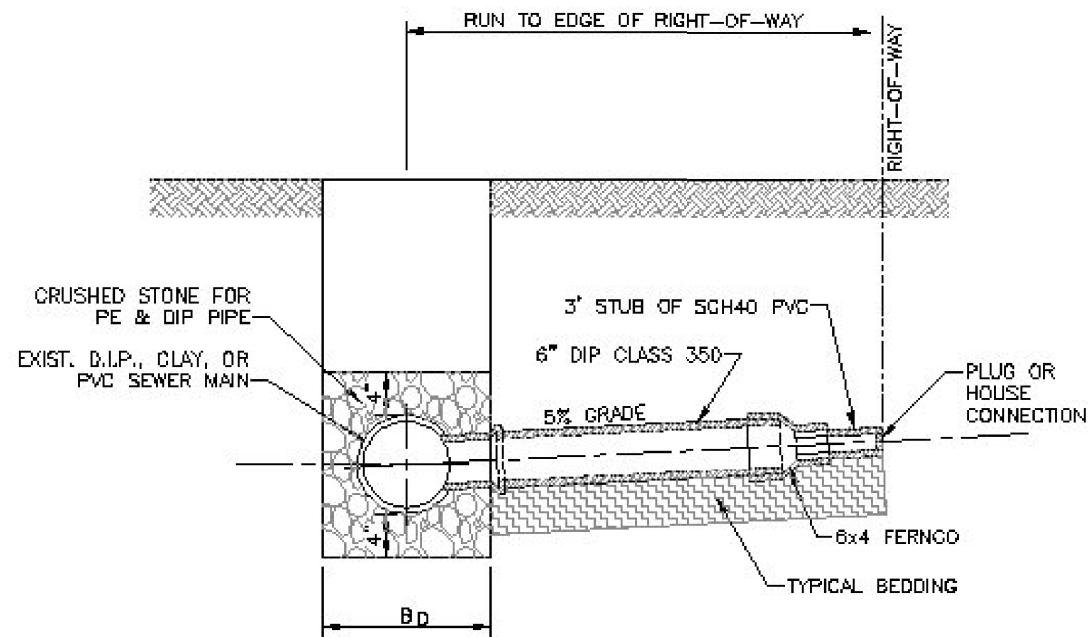
GMC # TATL220003

NOT TO SCALE

Utility Plans Details

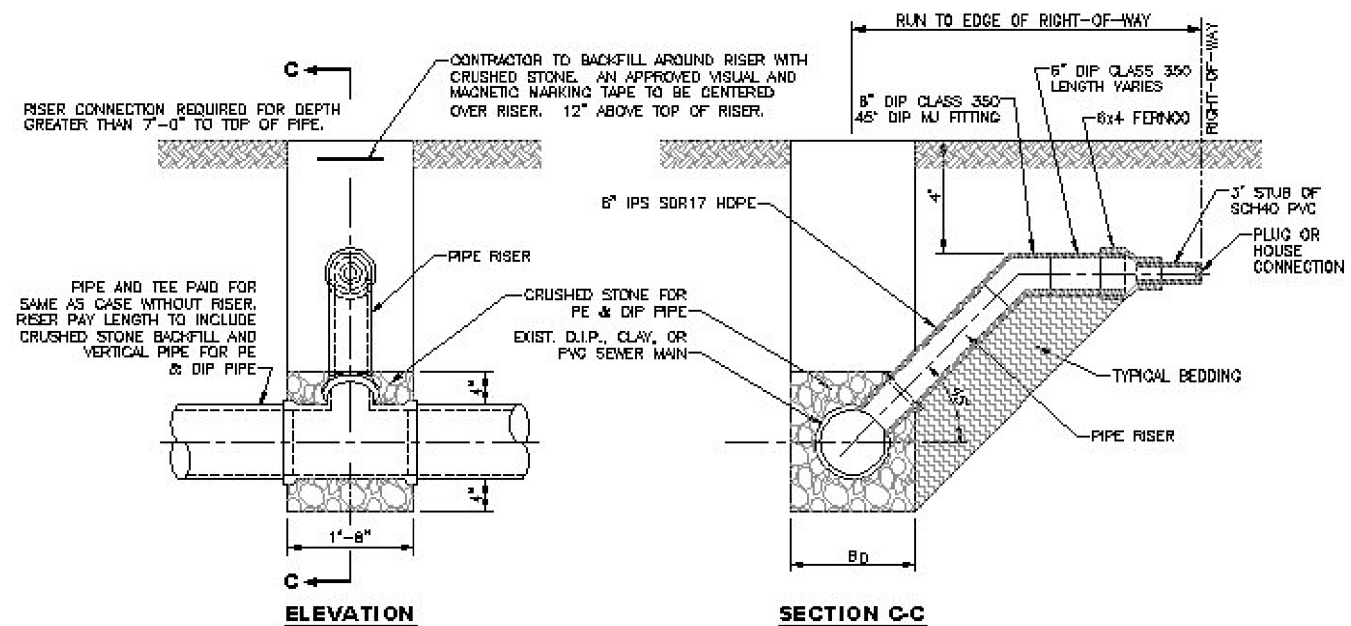
DRAWING NO.

24-0009



TYPICAL SERVICE CONNECTION

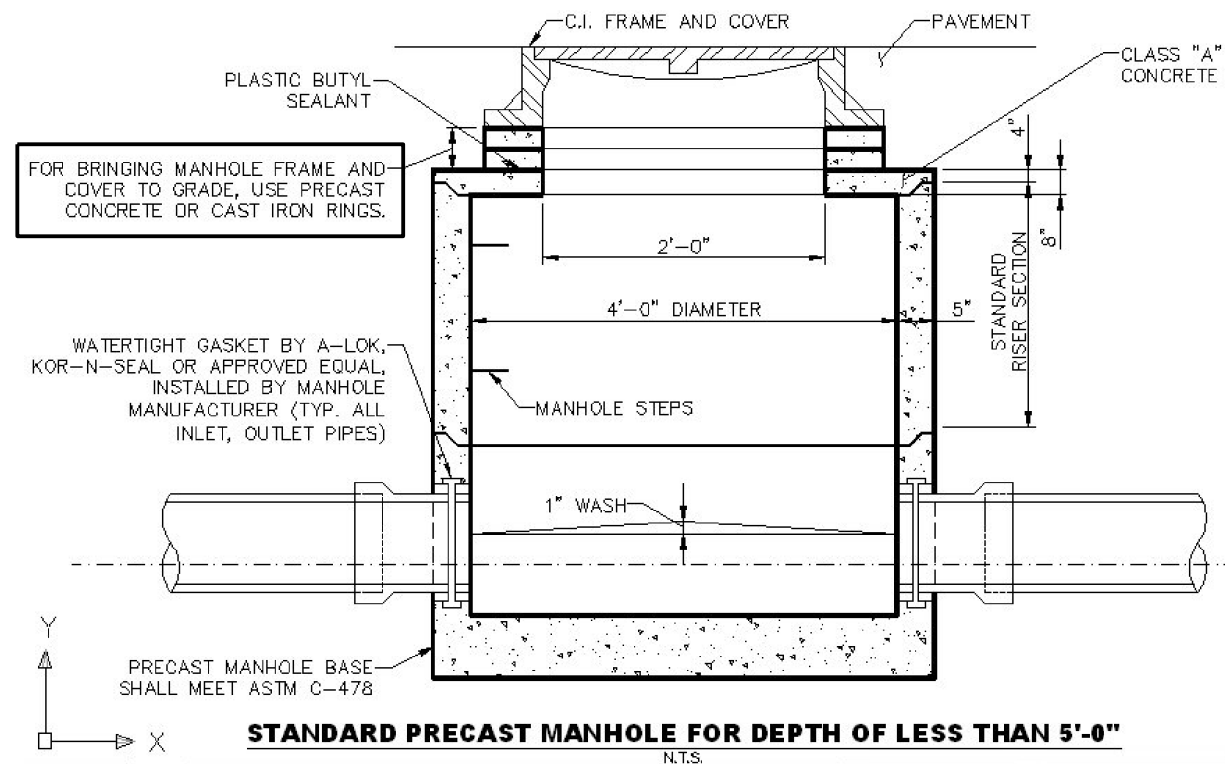
N.T.S.



TYPICAL RISER FOR SERVICE CONNECTION

RISER CONNECTION REQUIRED FOR DEPTH GREATER THAN 7'-0" TO TOP OF PIPE

N.T.S.



STANDARD PRECAST MANHOLE FOR DEPTH OF LESS THAN 5'-0"

N.T.S.

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PPR (90%)	
FINAL (100%)	

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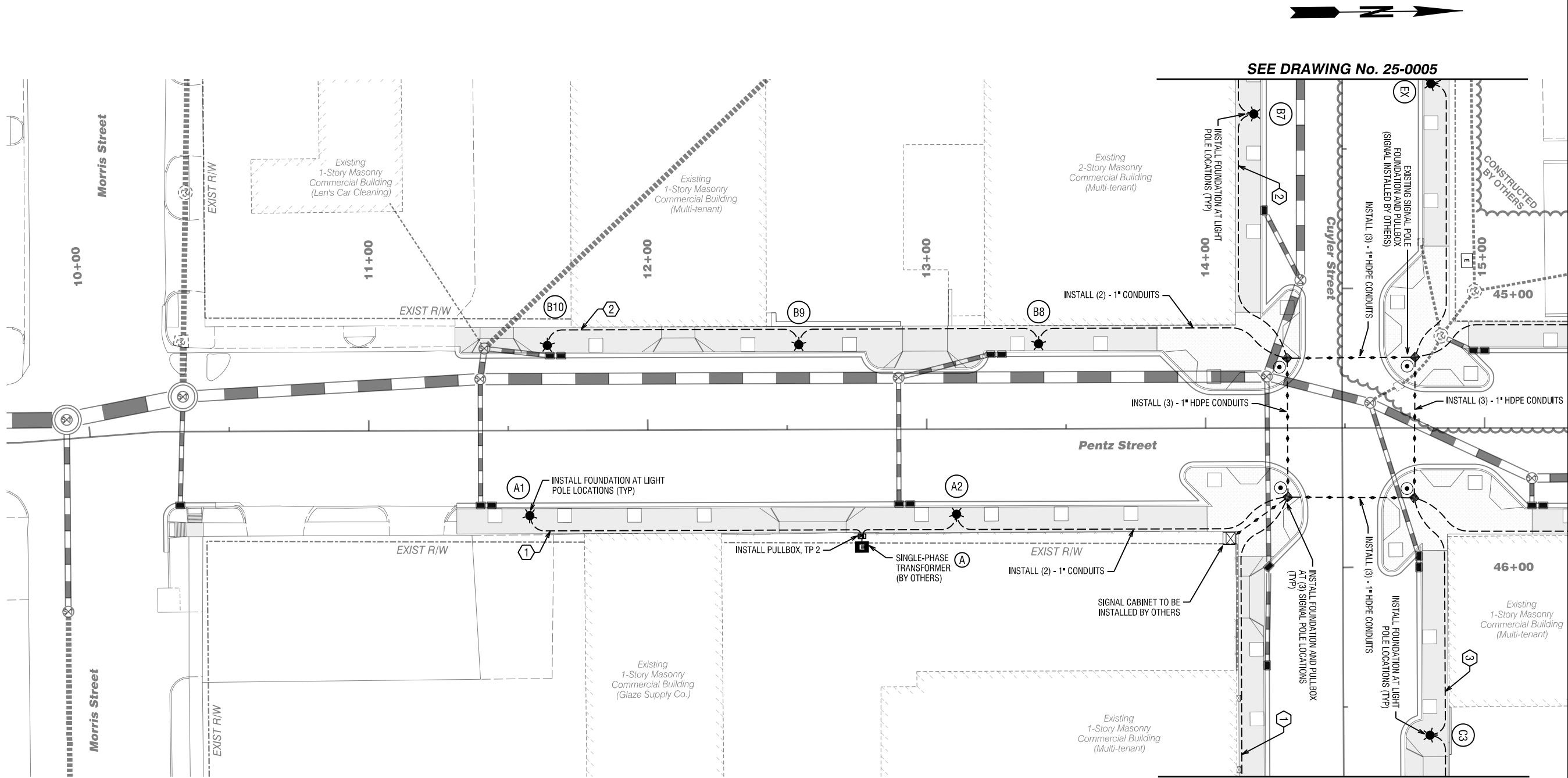
GMC # TATL220003

NOT TO SCALE

**Utility Plans
Details**

DRAWING NO.

24-0010



KEYED NOTES: #

- 1. CONNECT CONDUIT RUN TO SINGLE-PHASE TRANSFORMER (A)
- 2. CONNECT CONDUIT RUN TO SINGLE-PHASE TRANSFORMER (B)
- 3. CONNECT CONDUIT RUN TO EXISTING CONDUITS STUBBED OUT AT GORDON STREET



LIGHTING LEGEND

- REQD LIGHT POLE FOUNDATION
(Pole Supplied & Installed By Others)
- REQD SINGLE-PHASE TRANSFORMER
(Supplied and Installed By Others)
- REQD ELECTRICAL PULLBOX, TP 2
(Quazite 11" x 18" x 12" or equivalent)
- REQD (2) - 1" HDPE SDR 13.5 CONDUITS



SIGNAL LEGEND

- REQD SIGNAL POLE FOUNDATION
(Signal Pole Supplied & Installed By Others)
- REQD TRAFFIC SIGNAL CONTROLLER
(Supplied and Installed By Others)
- REQD TRAFFIC SIGNAL PULLBOX
(Match Existing Style at Gordon Street)
- REQD (3) - 1" HDPE SDR 13.5 CONDUITS



PENTZ STREET
Lighting and
Signal Layout
09+70 to 15+30

DRAWING NO.

25-0002

Streetscape Improvements on
Pentz Street & Cuyler Street
In the City of Dalton
Whitfield County, Georgia

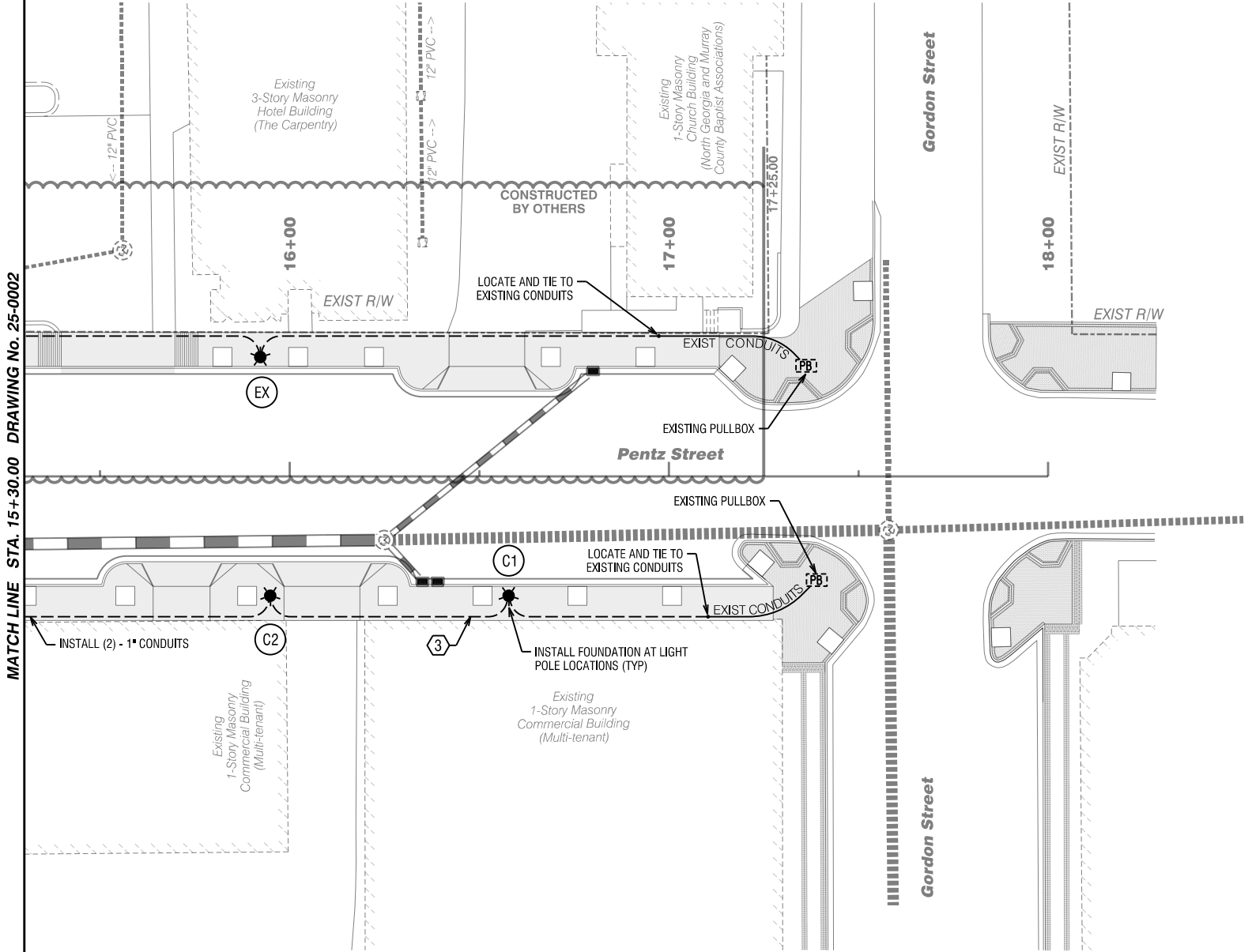
ISSUE DATE

30% Review	
PPR (60%)	
FFPR (90%)	
FINAL (100%)	

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GMC # TATL220003




KEYED NOTES: #


3. CONNECT CONDUIT RUN TO EXISTING CONDUITS STUBBED OUT AT GORDON STREET




REQD LIGHT POLE FOUNDATION
(Pole Supplied & Installed By Others)



REQD SINGLE-PHASE TRANSFORMER
(Supplied and Installed By Others)



REQD ELECTRICAL PULLBOX, TP 2
(Quazite 11" x 18" x 12" or equivalent)



REQD (2) - 1" HDPE SDR 13.5 CONDUITS

Streetscape Improvements on
Pentz Street & Cuyler Street
In the City of Dalton
Whitfield County, Georgia

SCALE IN FEET
0 20 40

PENTZ STREET

**Lighting and
Signal Layout
15+30 to 18+00**

DRAWING NO.
25-0003

GMC

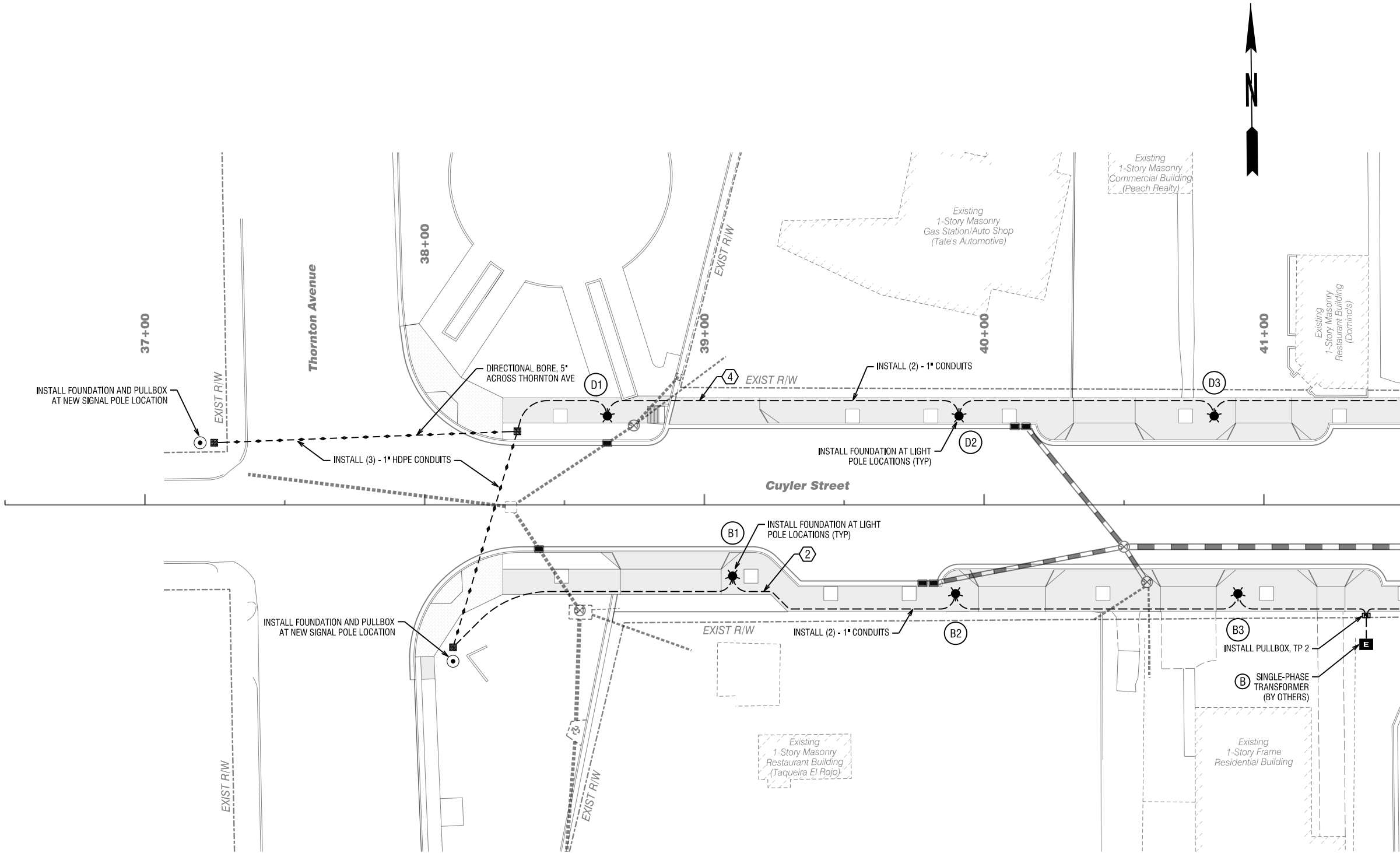
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ISSUE	DATE
30% Review	
PPFR (60%)	
FFPR (90%)	
FINAL (100%)	

KEYED NOTES: #

2. CONNECT CONDUIT RUN TO SINGLE-PHASE TRANSFORMER (B)
4. CONNECT CONDUIT RUN TO EXISTING CONDUITS STUBBED OUT AT CARPENTRY HOTEL DRIVE



	LIGHTING LEGEND		SIGNAL LEGEND
	REQD LIGHT POLE FOUNDATION (Pole Supplied & Installed By Others)		REQD SIGNAL POLE FOUNDATION (Signal Pole Supplied & Installed By Others)
	REQD SINGLE-PHASE TRANSFORMER (Supplied and Installed By Others)		REQD TRAFFIC SIGNAL CONTROLLER (Supplied and Installed By Others)
	REQD ELECTRICAL PULLBOX, TP 2 (Quazite 11" x 18" x 12" or equivalent)		REQD TRAFFIC SIGNAL PULLBOX (Match Existing Style at Gordon Street)
	REQD (2) - 1" HDPE SDR 13.5 CONDUITS		REQD (3) - 1" HDPE SDR 13.5 CONDUITS



CUYLER STREET

**Lighting and
Signal Layout
36+50 to 41+50**

DRAWING NO.
25-0004

Streetscape Improvements on
Pentz Street & Cuyler Street

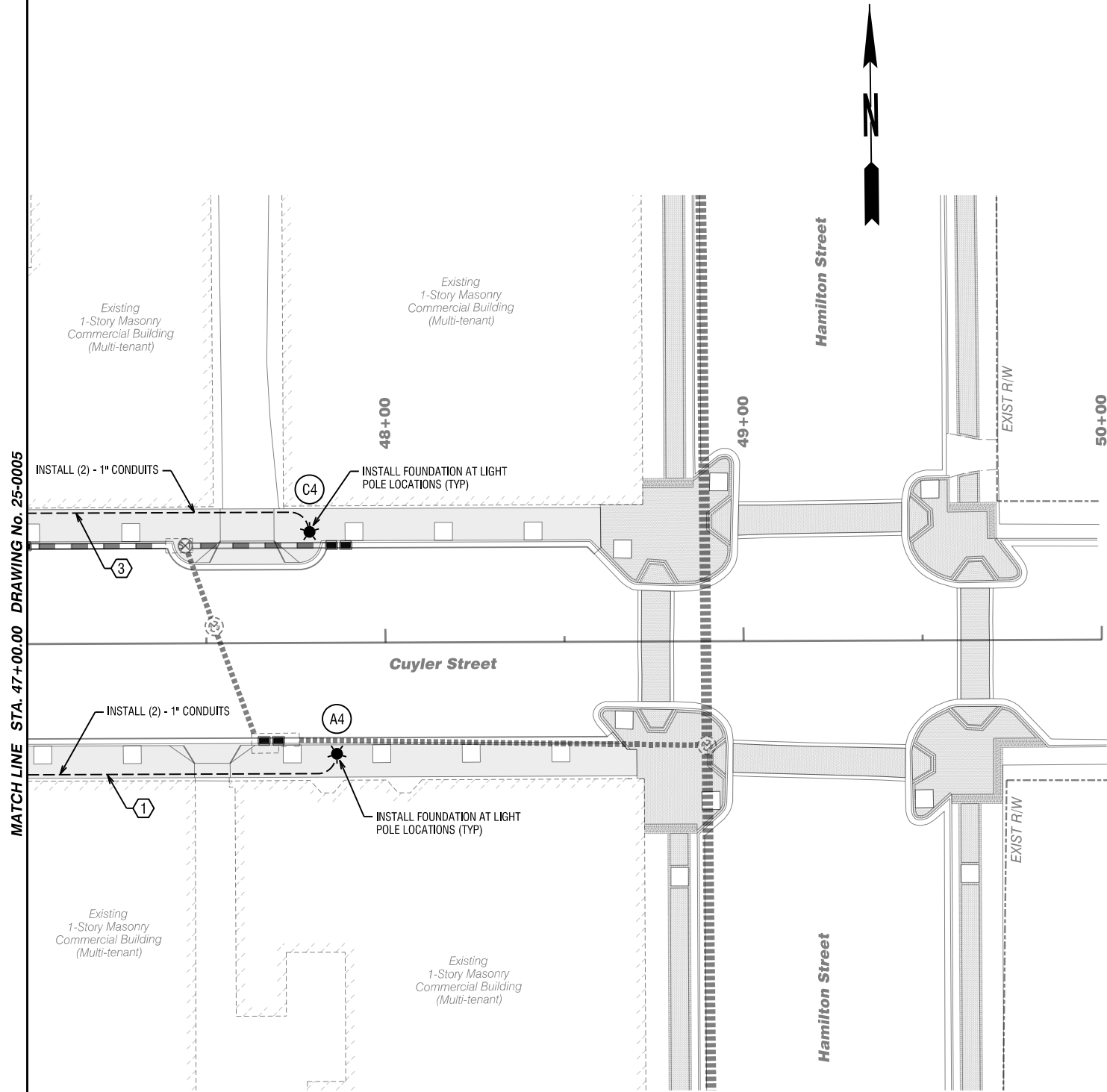
In the City of Dalton
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GMC # TATL220003

ISSUE	DATE
30% Review	
PPR (60%)	
FFPR (90%)	
FINAL (100%)	

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- KEYED NOTES:** #
- 1. CONNECT CONDUIT RUN TO SINGLE-PHASE TRANSFORMER Ⓐ
 - 3. CONNECT CONDUIT RUN TO EXISTING CONDUITS STUBBED OUT AT GORDON STREET

- LIGHTING LEGEND**
- REQD LIGHT POLE FOUNDATION
(Pole Supplied & Installed By Others)
 - REQD SINGLE-PHASE TRANSFORMER
(Supplied and Installed By Others)
 - REQD ELECTRICAL PULLBOX, TP 2
(Quazite 11" x 18" x 12" or equivalent)
 - REQD (2) - 1" HDPE SDR 13.5 CONDUITS

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PFPR (60%)	
FFPR (90%)	
FINAL (100%)	

Streetscape Improvements on
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In the City of Dalton
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GMC # TATL220003



CUYLER STREET

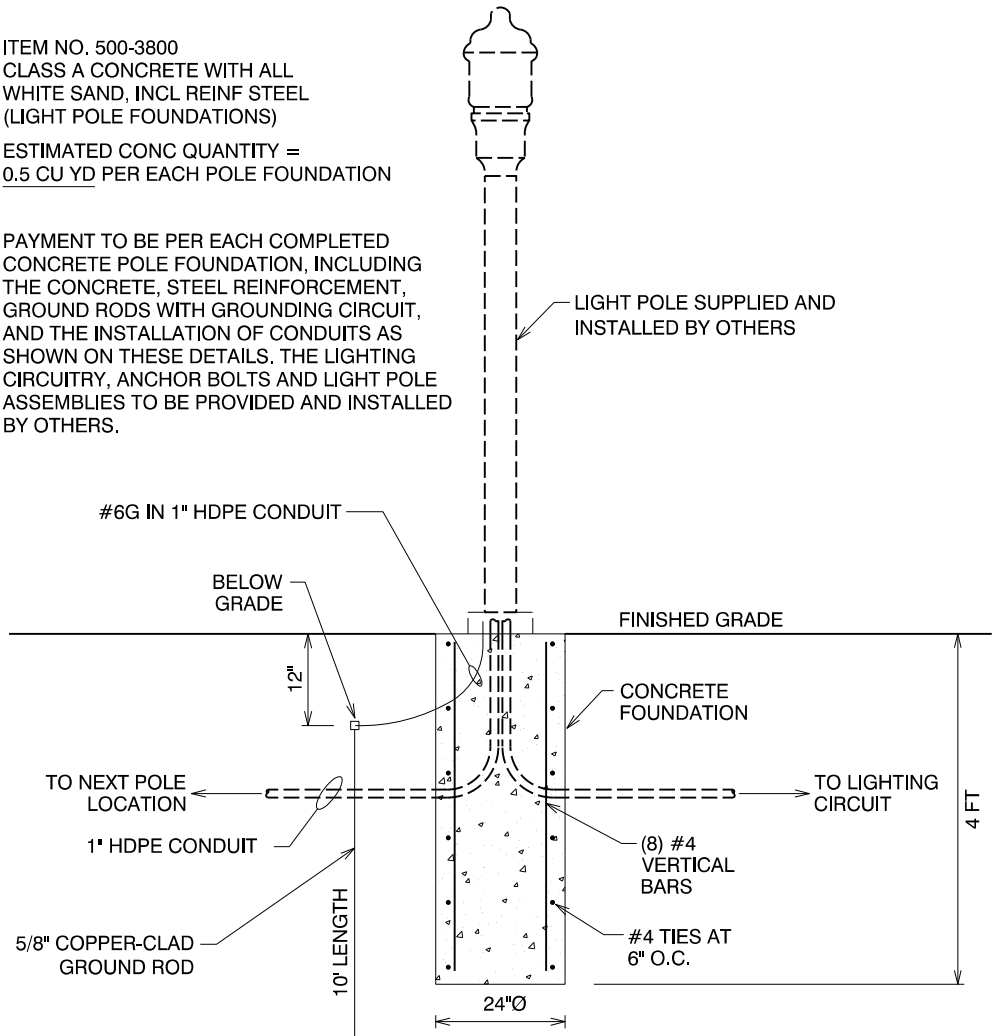
**Lighting and
Signal Layout
47+00 to 50+00**

DRAWING NO.
25-0006

ITEM NO. 500-3800
CLASS A CONCRETE WITH ALL
WHITE SAND, INCL REINF STEEL
(LIGHT POLE FOUNDATIONS)

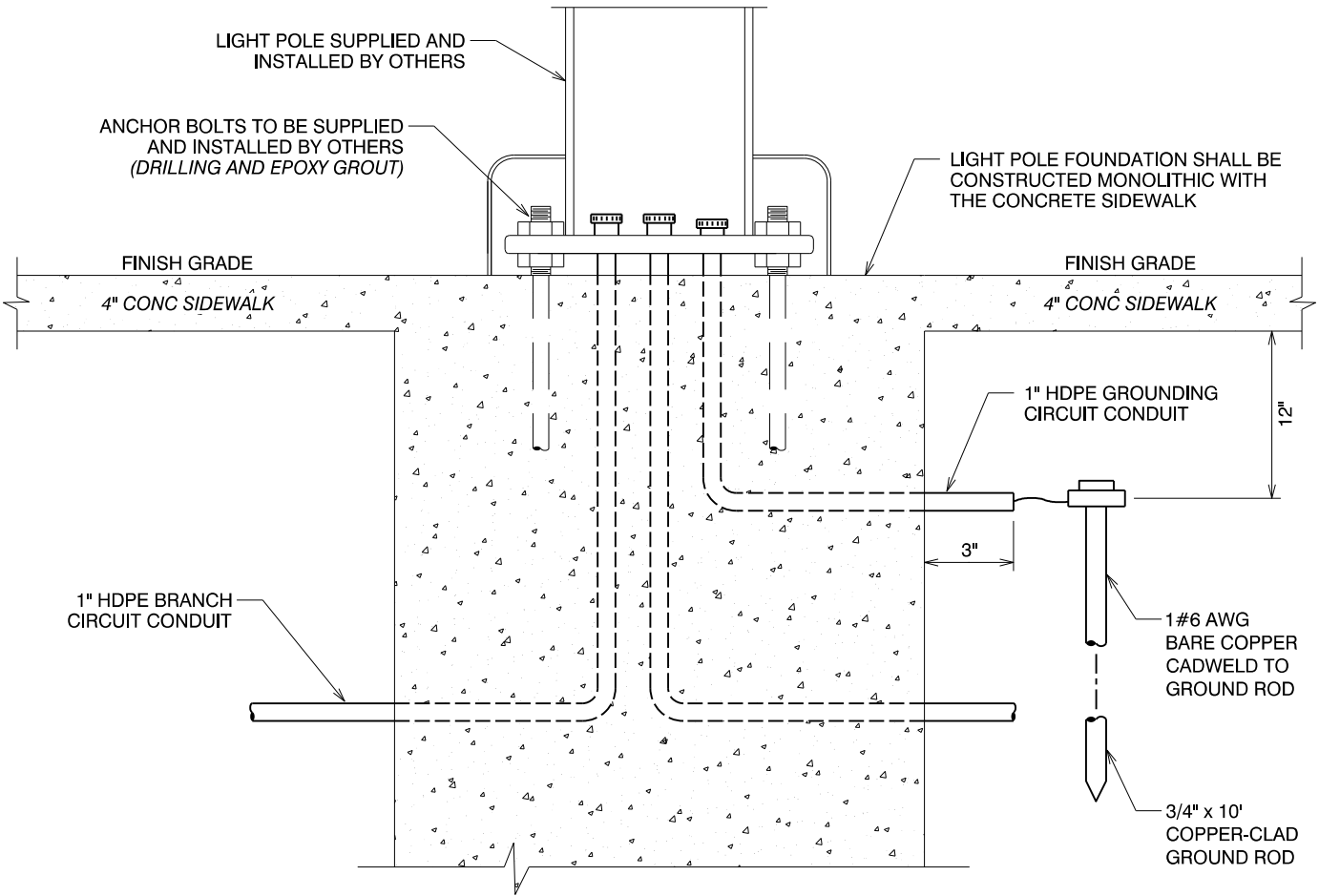
ESTIMATED CONC QUANTITY =
0.5 CU YD PER EACH POLE FOUNDATION

PAYMENT TO BE PER EACH COMPLETED
CONCRETE POLE FOUNDATION, INCLUDING
THE CONCRETE, STEEL REINFORCEMENT,
GROUND RODS WITH GROUNDING CIRCUIT,
AND THE INSTALLATION OF CONDUITS AS
SHOWN ON THESE DETAILS. THE LIGHTING
CIRCUITRY, ANCHOR BOLTS AND LIGHT POLE
ASSEMBLIES TO BE PROVIDED AND INSTALLED
BY OTHERS.



TYPICAL LIGHT POLE FOUNDATION

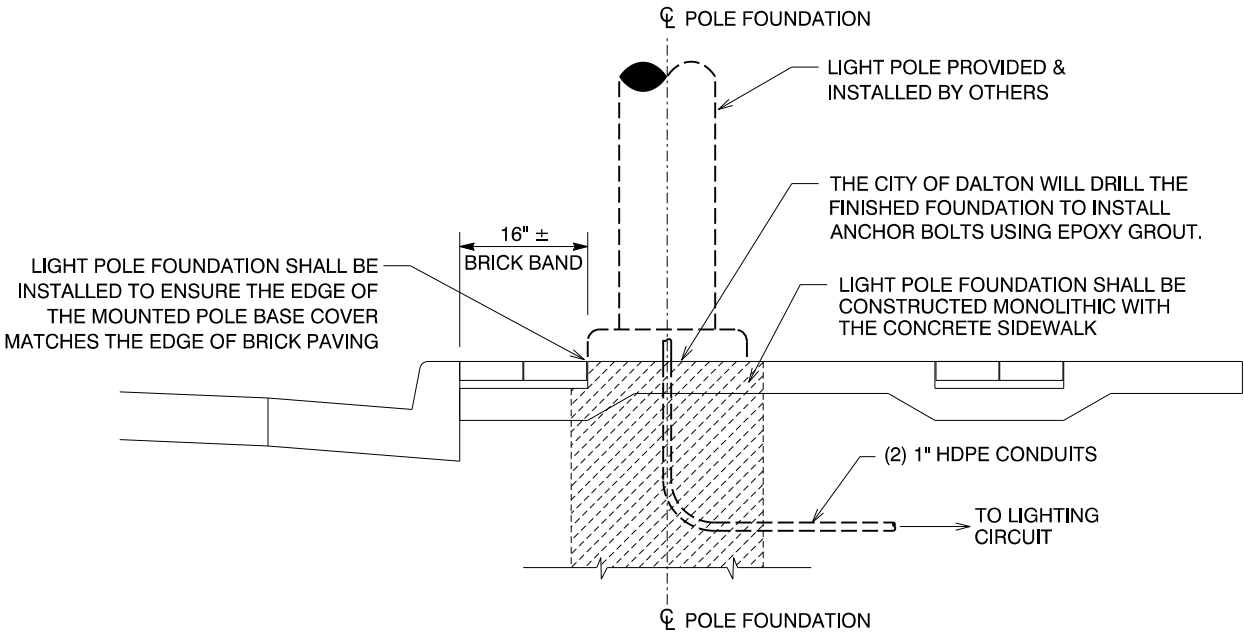
NOT TO SCALE



NOTE: GROUNDING ROD MATERIALS AND INSTALLATION SHALL BE INCLUDED
IN THE COST OF THE CLASS A CONCRETE WITH ALL WHITE SAND,
INCL REINF STEEL (LIGHT POLE FOUNDATIONS) ITEM.

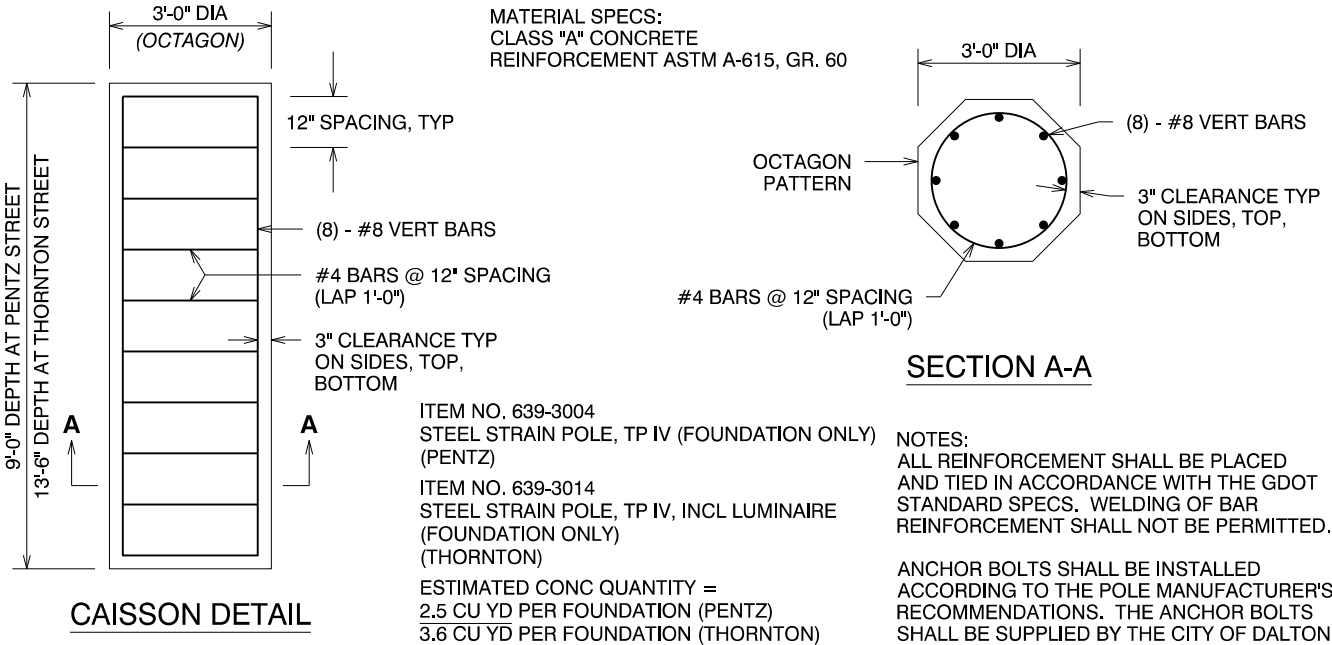
TYPICAL GROUND ROD DETAIL

DIAGRAMMATIC



TYPICAL LIGHT POLE FOUNDATION IN SIDEWALKS

DIAGRAMMATIC



TYPICAL SIGNAL POLE FOUNDATION

NOT TO SCALE

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PPFR (90%)	
FINAL (100%)	

Streetscape Improvements on
Pentz Street & Cuyler Street

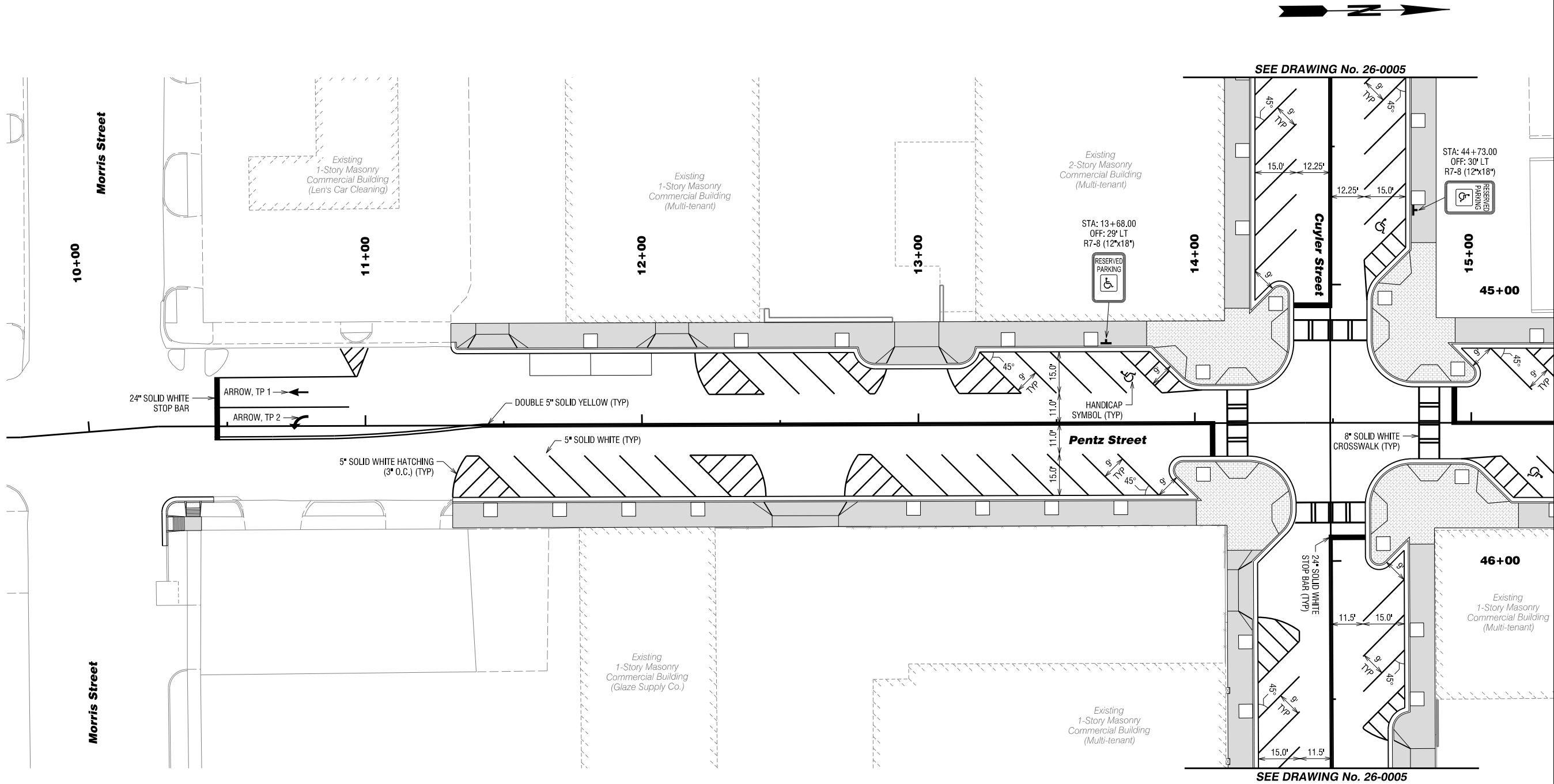
In the City of Dalton
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GMC # TATL220003

NOT TO SCALE

Lighting & Signal
Details

DRAWING NO.
25-0007



PENTZ STREET

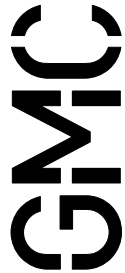
Signing and
Marking Plan
09+70 to 15+30

DRAWING NO.
26-0002

Streetscape Improvements on
Pentz Street & Cuyler Street
In the City of Dalton
Whitfield County, Georgia

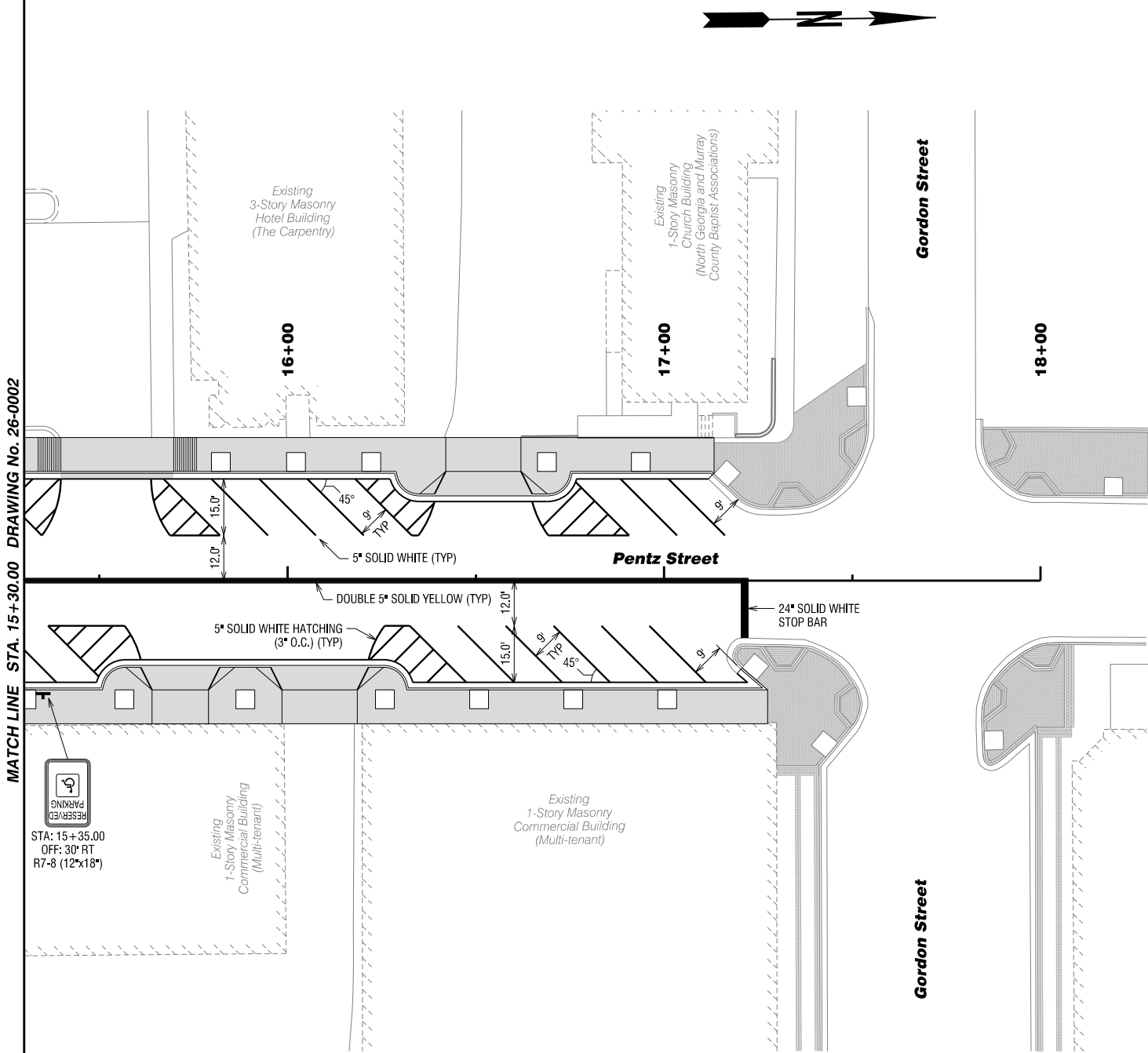
ISSUE	DATE
30% Review	
PFPR (60%)	
FFPR (90%)	
FINAL (100%)	

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MATCH LINE STA. 15+30.00 DRAWING No. 26-0002



STA: 15+35.00
OFF: 30' RT
R7-8 (12"x18")



PENTZ STREET

Signing and Marking Plan
15+30 to 18+00

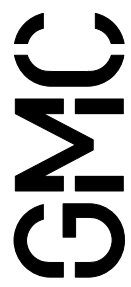
ISSUE	DATE
30% Review	
PFPR (60%)	
FFPR (90%)	
FINAL (100%)	

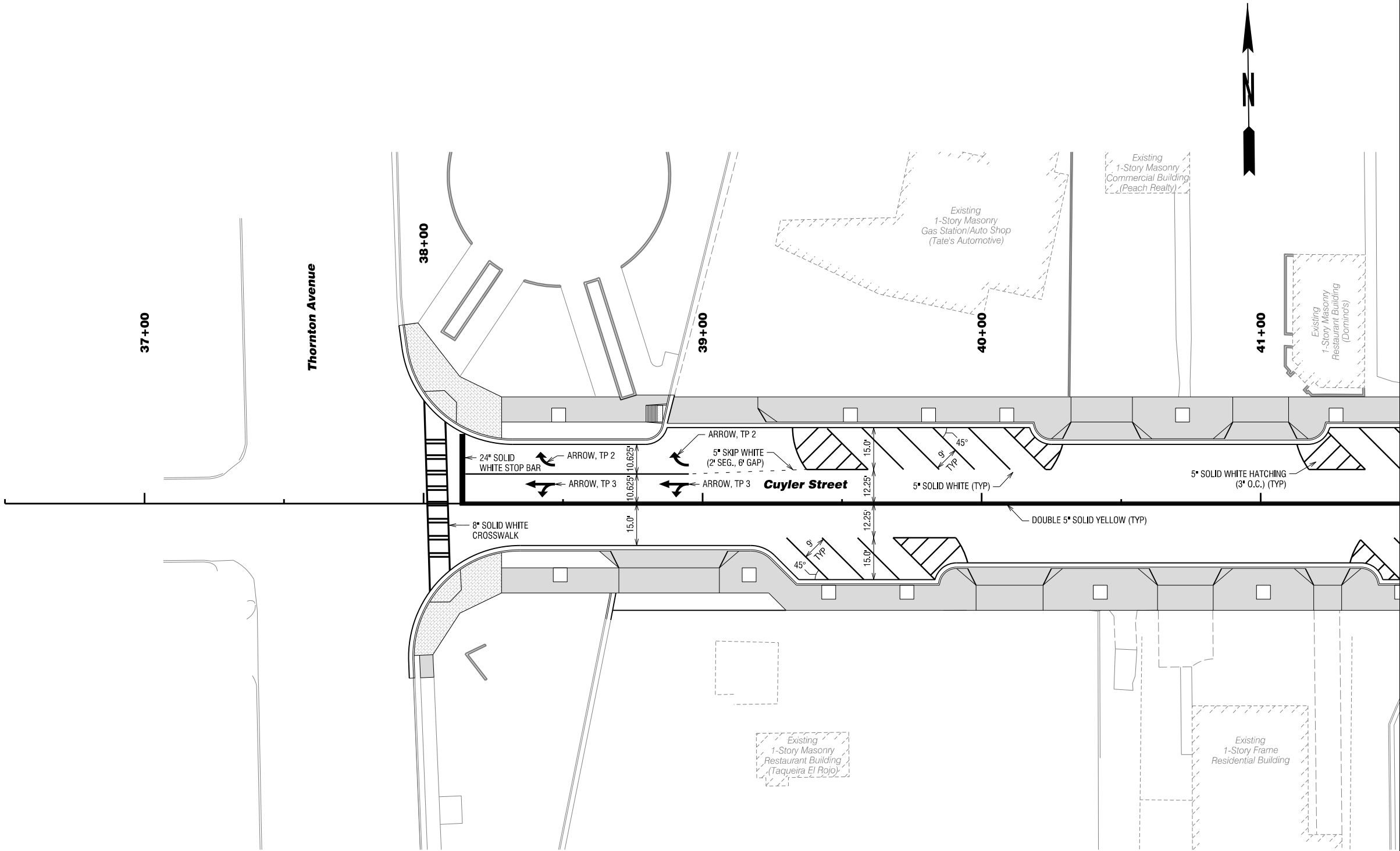
**Streetscape Improvements on
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DRAWING NO.
26-0003





MATCH LINE STA. 41+50.00 DRAWING No. 26-0005



CUYLER STREET

Signing and
Marking Plan
36+50 to 41+50

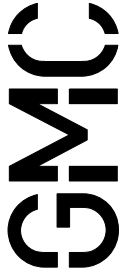
DRAWING NO.
26-0004

Streetscape Improvements on
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Whitfield County, Georgia

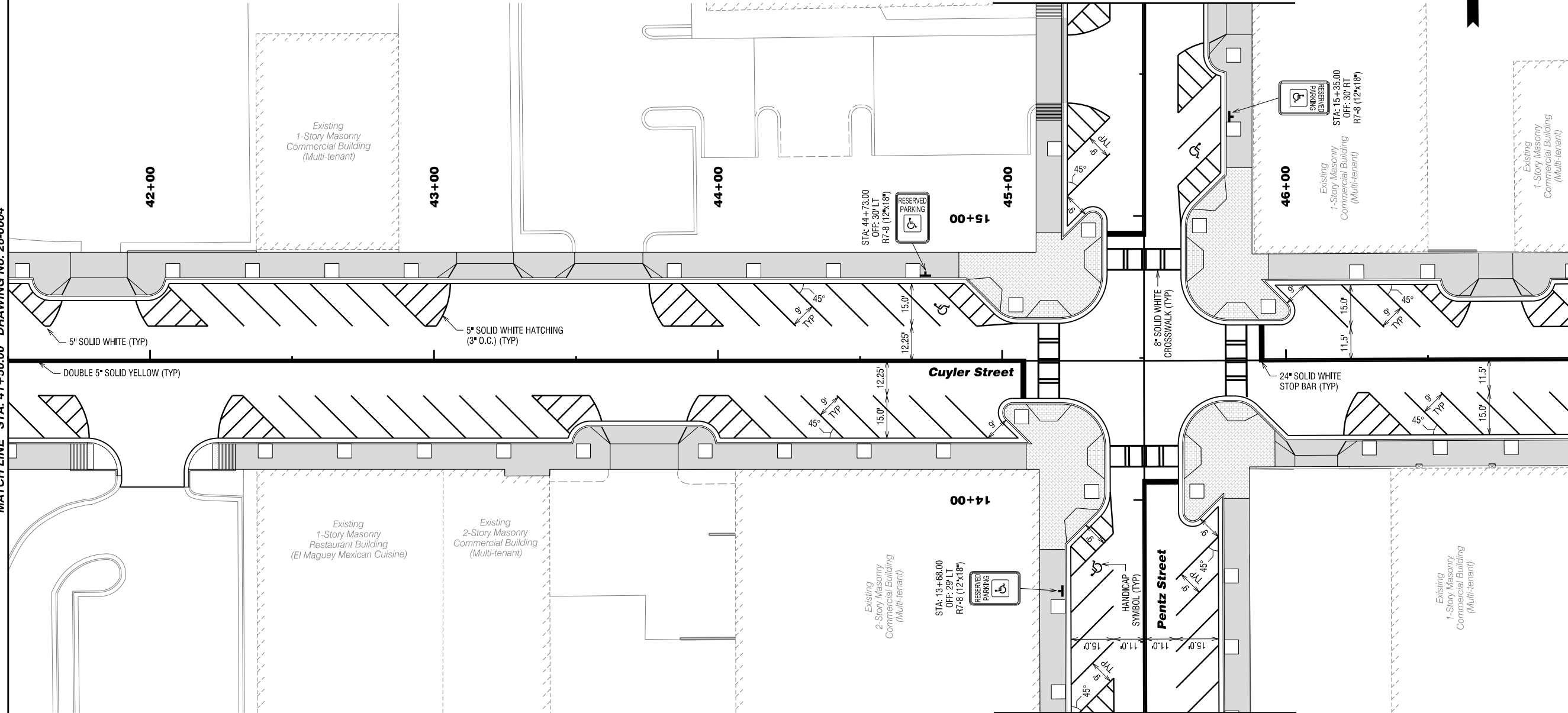
GMC # TATL220003

ISSUE	DATE
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FINAL (100%)	

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MATCH LINE STA. 41+50.00 DRAWING No. 26-0004



MATCH LINE STA. 47+00.00 DRAWING No. 26-0006

Streetscape Improvements on
Pentz Street & Cuyler Street
In the City of Dalton
Whitfield County, Georgia



CUYLER STREET

**Signing and
Marking Plan
41+50 to 47+00**

DRAWING NO.
26-0005

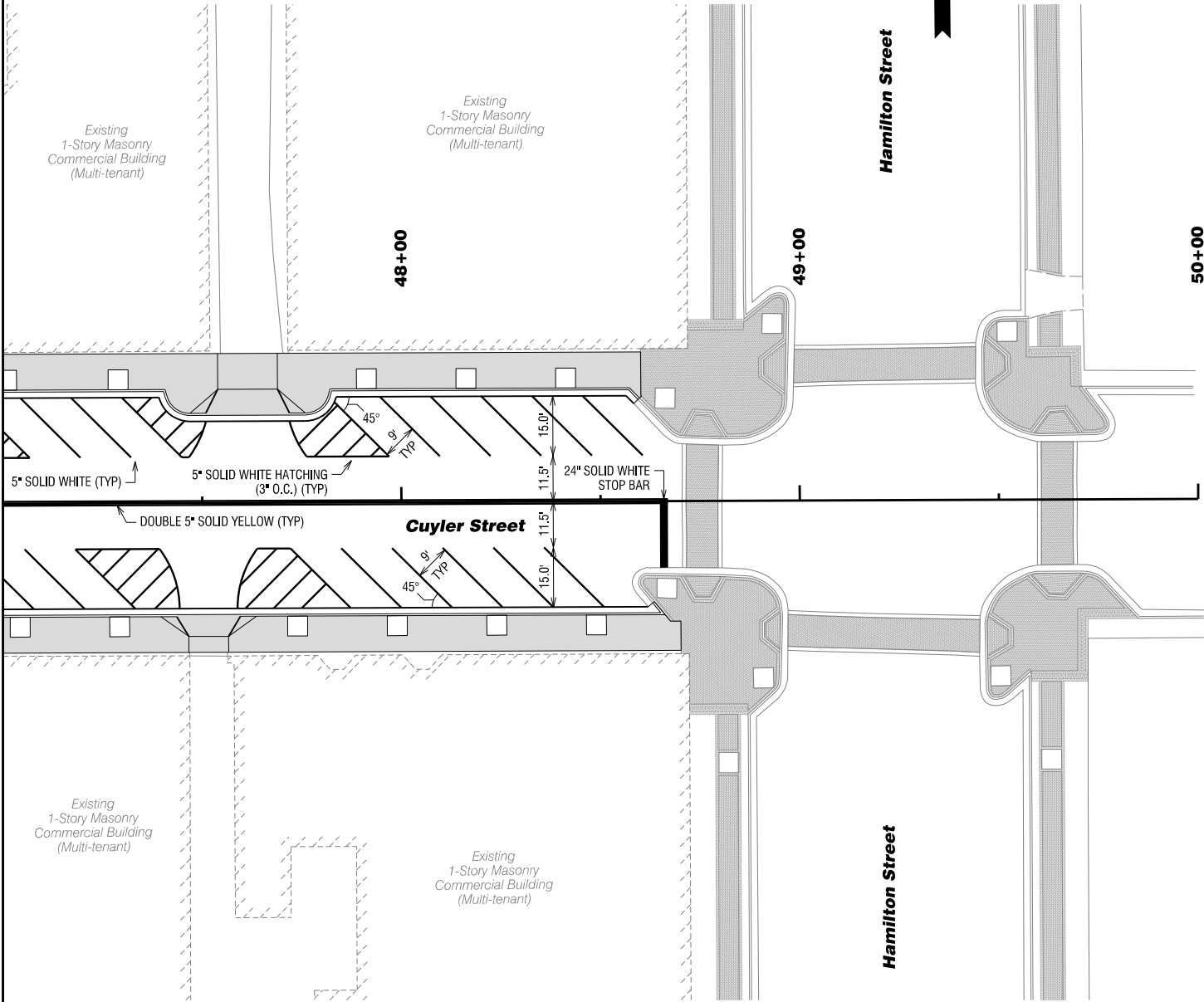
ISSUE	DATE
30% Review	
PFPR (60%)	
FFPR (90%)	
FINAL (100%)	

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MATCH LINE STA. 47+00.00 DRAWING No. 26-0005



CUYLER STREET

**Signing and
Marking Plan
47+00 to 50+00**

DRAWING NO.
26-0006

**Streetscape Improvements on
Pentz Street & Cuyler Street**
In the City of Dalton
Whitfield County, Georgia

GMC # TATL220003

ISSUE	DATE
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FFPR (90%)	
FINAL (100%)	

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GMC # TATL220003



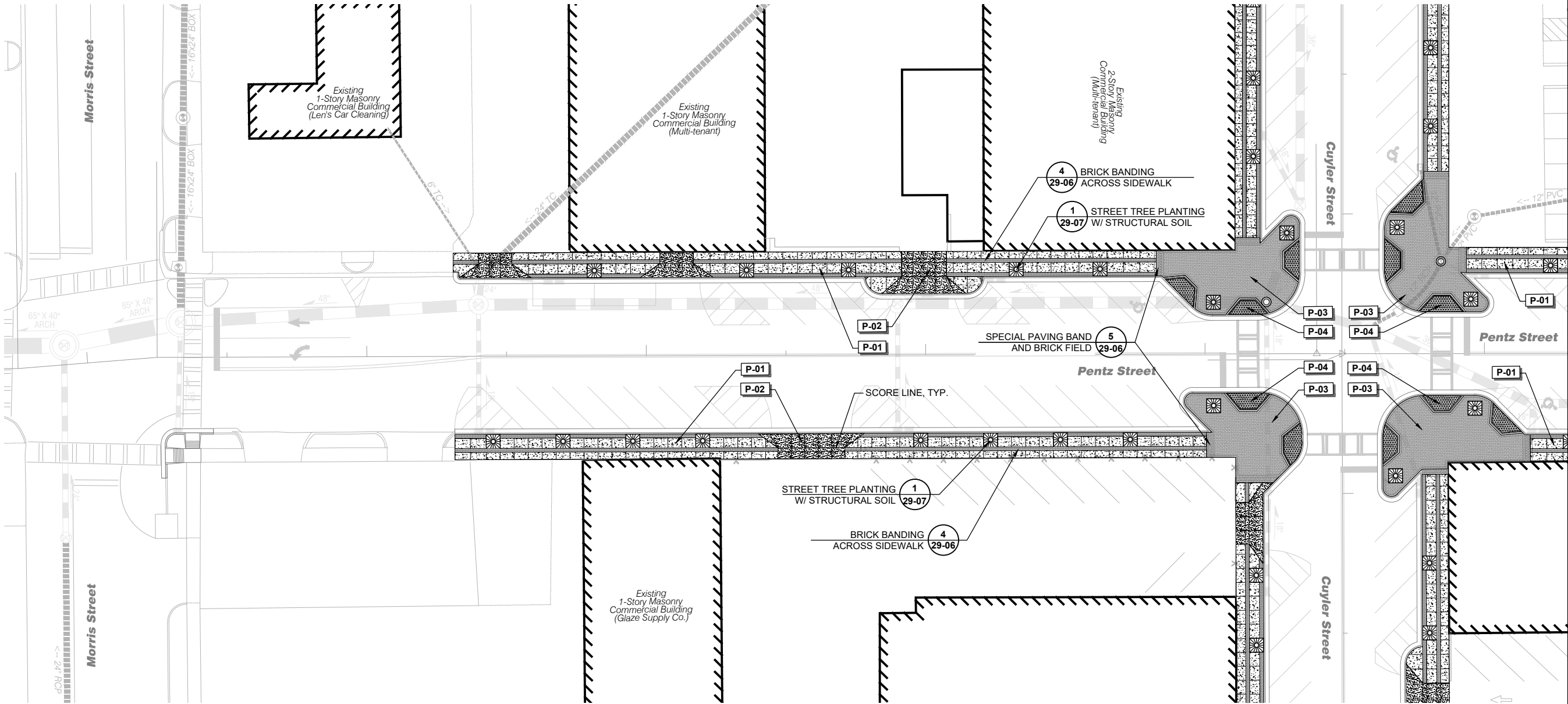
PENTZ STREET

Hardscape Plan

9+70 to 15+30

DRAWING NO.

29-0001



REFERENCE NOTES SCHEDULE		
SYMBOL	PAVING DESCRIPTION	DETAIL
P-01	CONCRETE PAVING	1/29-06
P-02	VEHICULAR CONCRETE	3/29-06
P-03	BRICK PAVING	2/29-06
P-04	FLARED RAMP W/ TRUNCATED DOME PAVERS	6/29-06

MATCH LINE STA. 15+30.00 DRAWING No. 29-0002



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30% Review	
PPR (60%)	
FFPR (90%)	
FINAL (100%)	

Streetscape Improvements on
Pentz Street & Cuyler Street
In the City of Dalton
Whitfield County, Georgia

GMC # TATL220003



PENTZ STREET

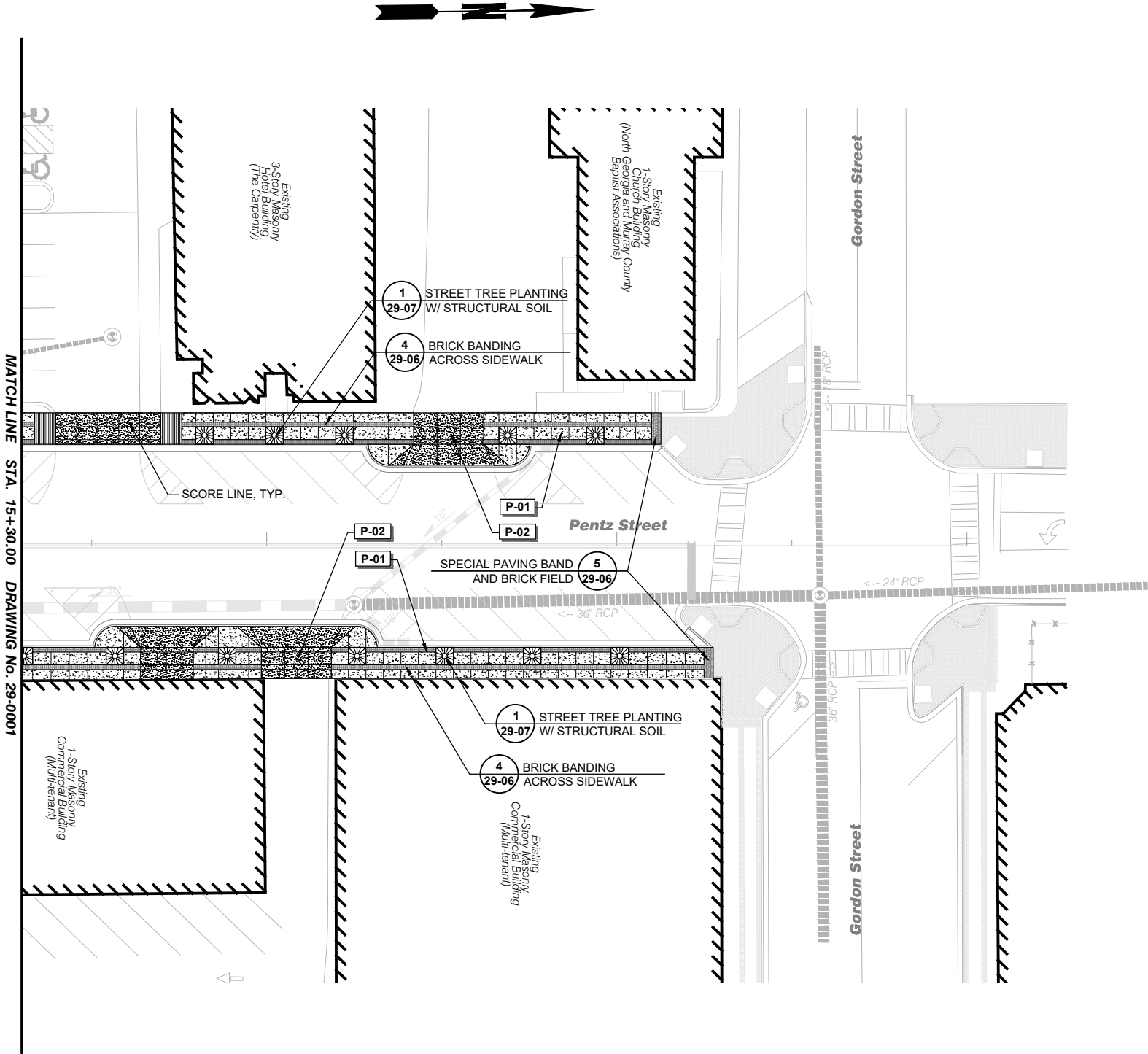
Hardscape Plan

15+30 to 18+00

DRAWING NO.

29-0002

REFERENCE NOTES SCHEDULE		
SYMBOL	DESCRIPTION	DETAIL
P-01	CONCRETE PAVING	1/29-06
P-02	VEHICULAR CONCRETE	3/29-06
P-03	BRICK PAVING	2/29-06
P-04	FLARED RAMP W/ TRUNCATED DOME PAVERS	6/29-06





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Streetscape Improvements on
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GMC # TATL220003



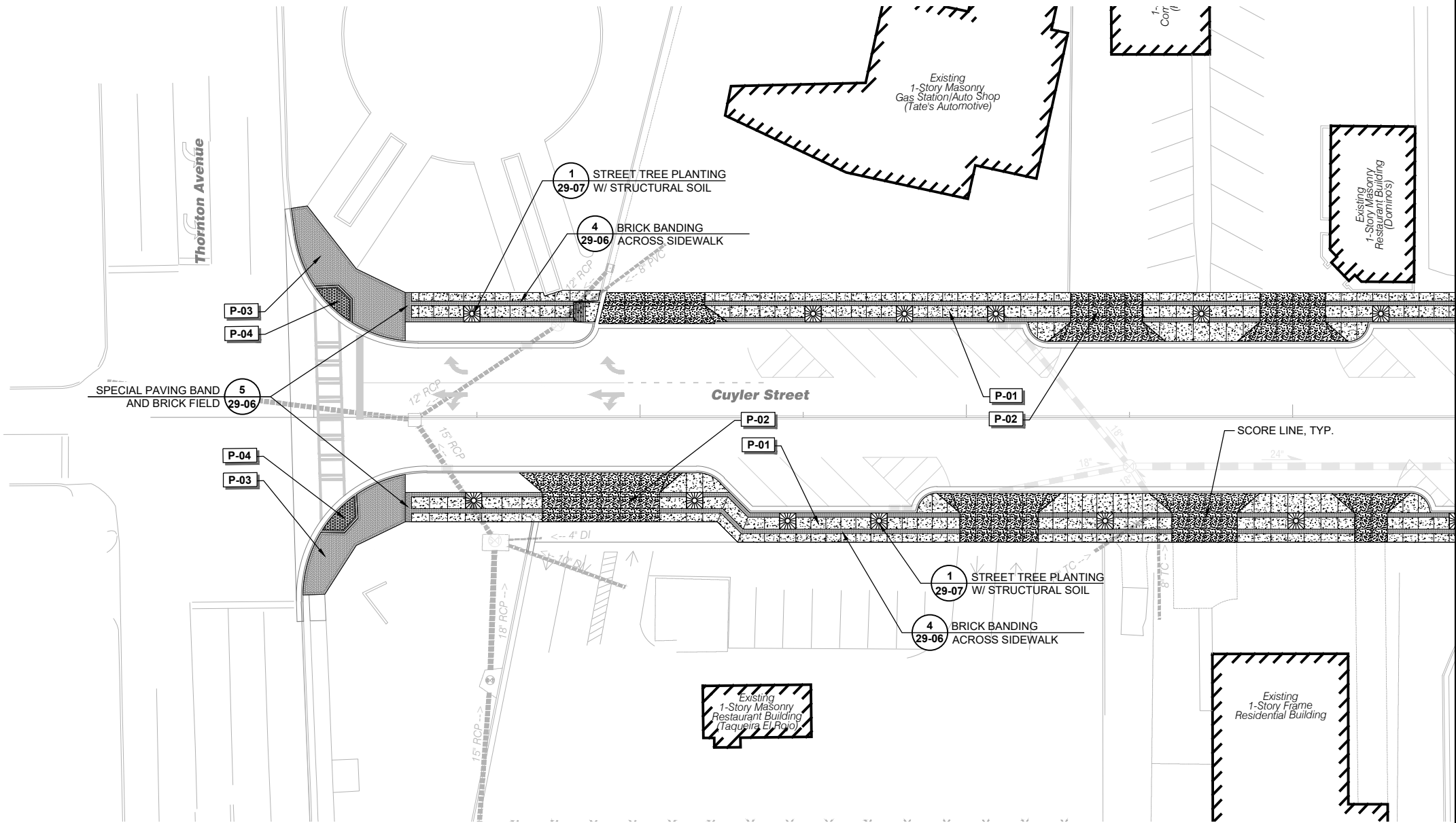
CUYLER STREET

Hardscape Plan

37+50 to 41+50

DRAWING NO.

29-0003



REFERENCE NOTES SCHEDULE		
SYMBOL	DESCRIPTION	DETAIL
P-01	CONCRETE PAVING	1/29-06
P-02	VEHICULAR CONCRETE	3/29-06
P-03	BRICK PAVING	2/29-06
P-04	FLARED RAMP W/ TRUNCATED DOME PAVERS	6/29-06



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FFPR (90%)	
FINAL (100%)	

Streetscape Improvements on
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GMC # TATL220003



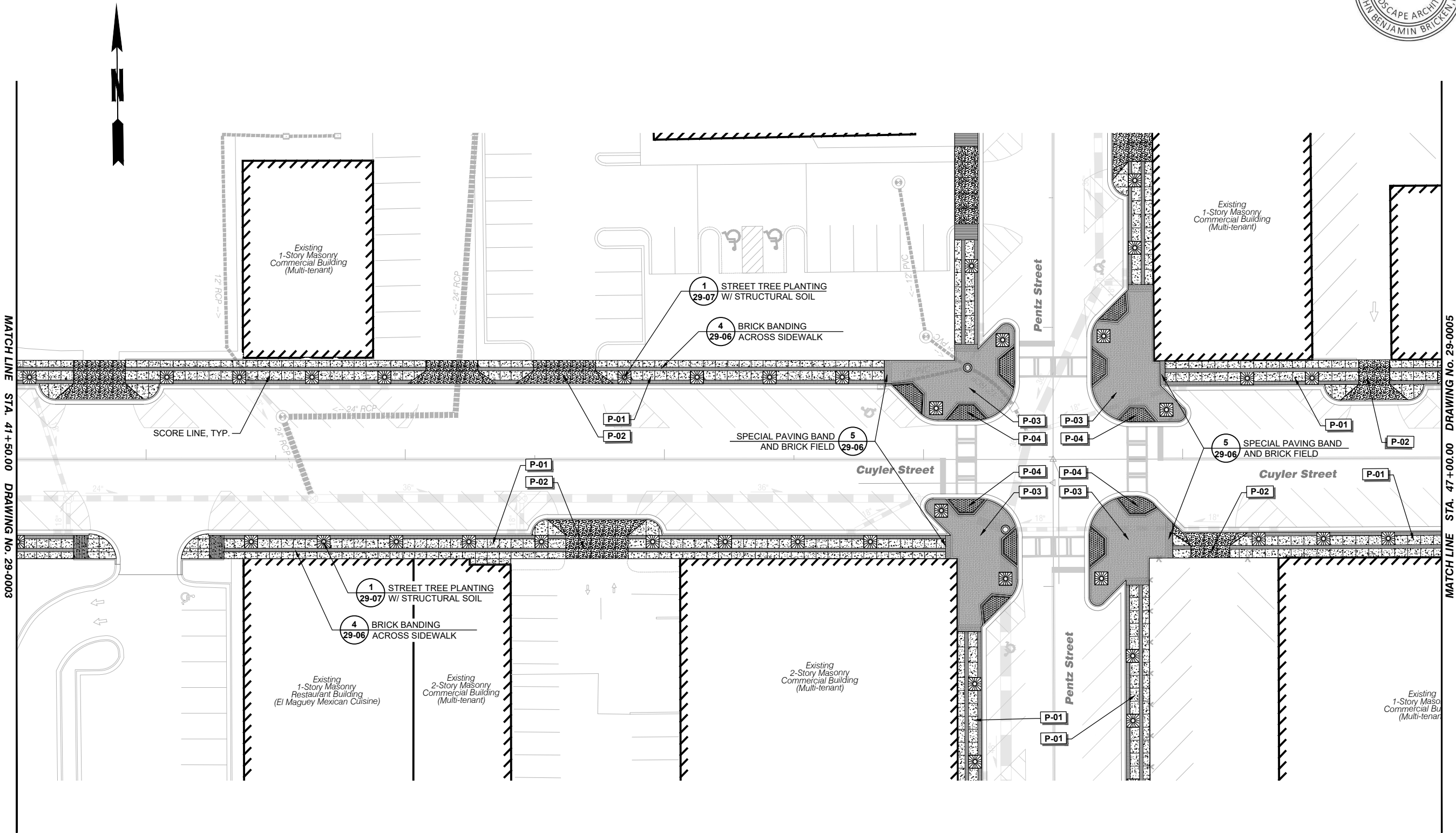
CUYLER STREET

Hardscape Plan

41+50 to 47+00

DRAWING NO.

29-0004



REFERENCE NOTES SCHEDULE

SYMBOL	PAVING DESCRIPTION	DETAIL
P-01	CONCRETE PAVING	1/29-06
P-02	VEHICULAR CONCRETE	3/29-06
P-03	BRICK PAVING	2/29-06
P-04	FLARED RAMP W/ TRUNCATED DOME PAVERS	6/29-06



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FFPR (60%)	
FFPR (90%)	
FINAL (100%)	

Streetscape Improvements on
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In the City of Dalton
Whitfield County, Georgia

GMC # TATL220003



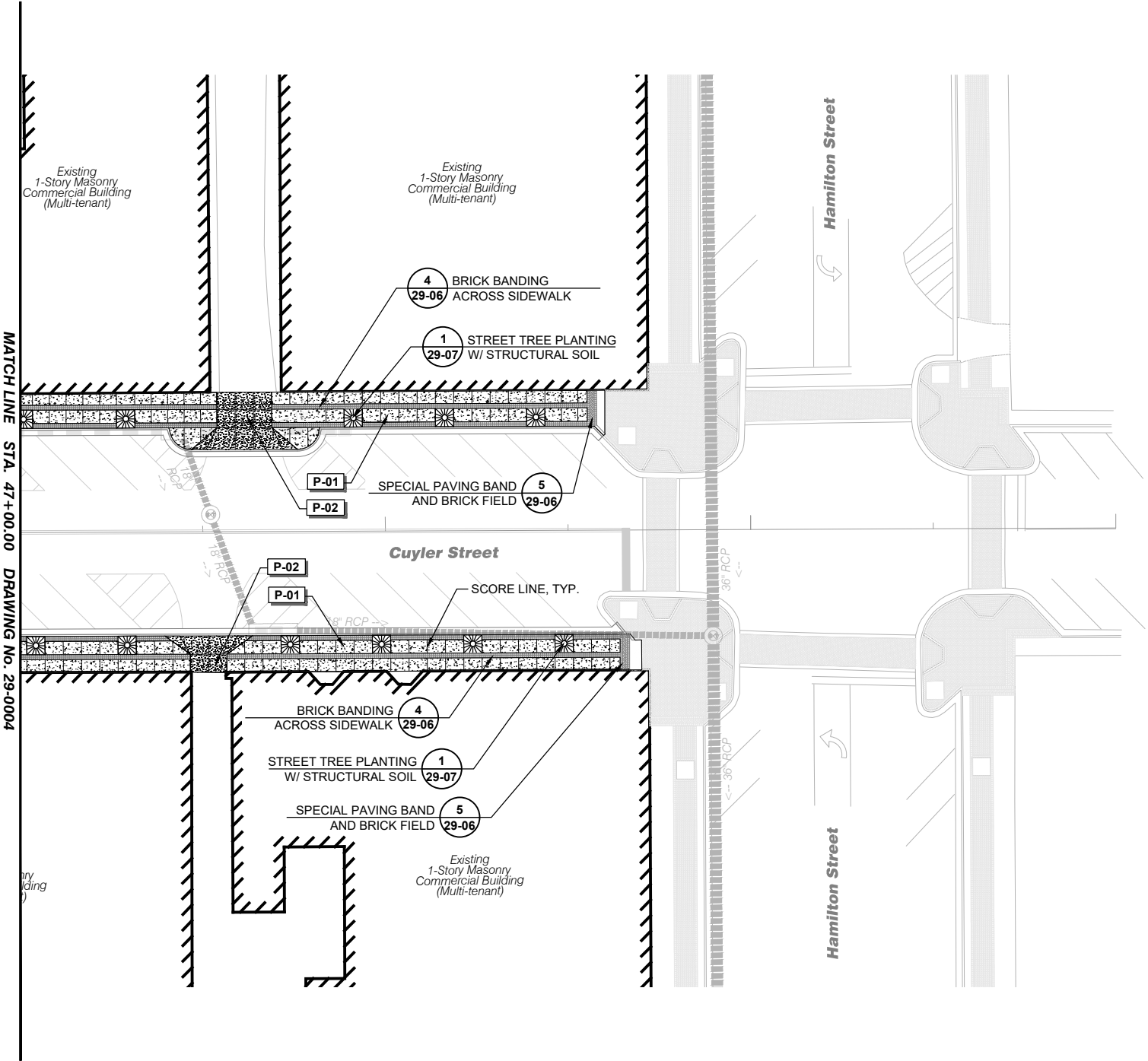
CUYLER STREET

Hardscape Plan

47+00 to 50+00

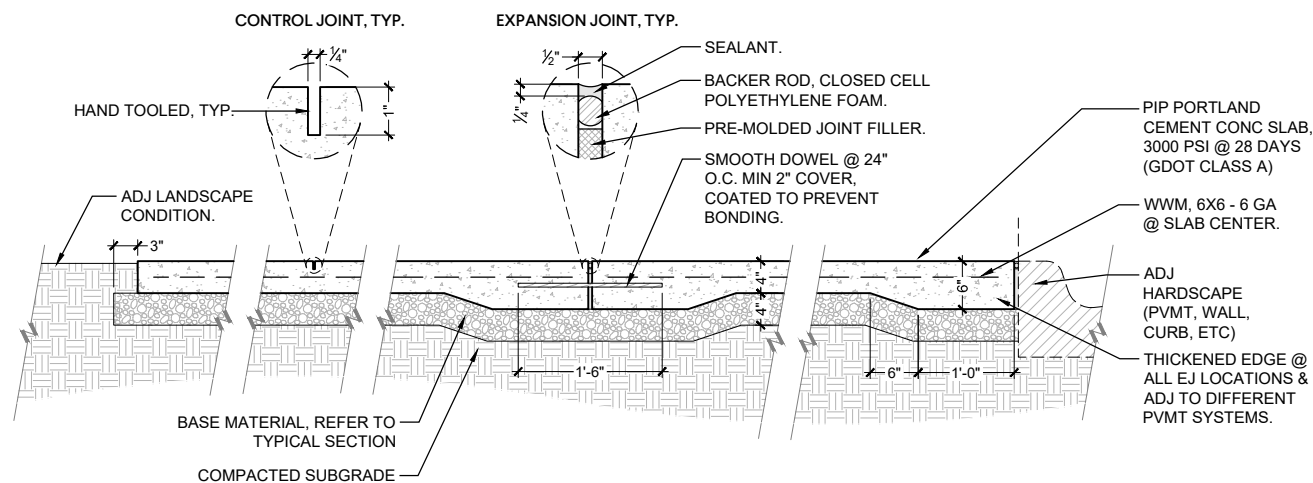
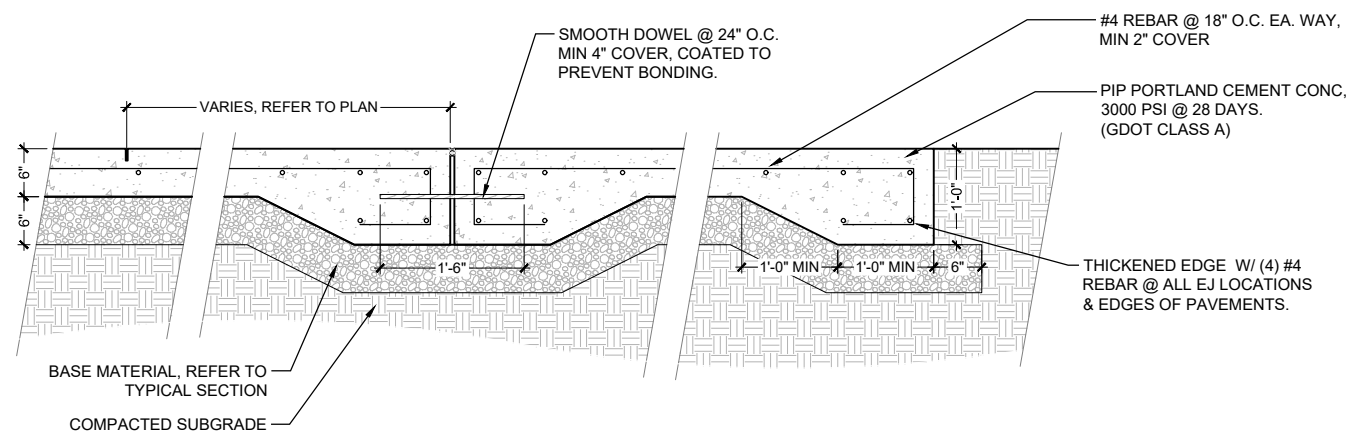
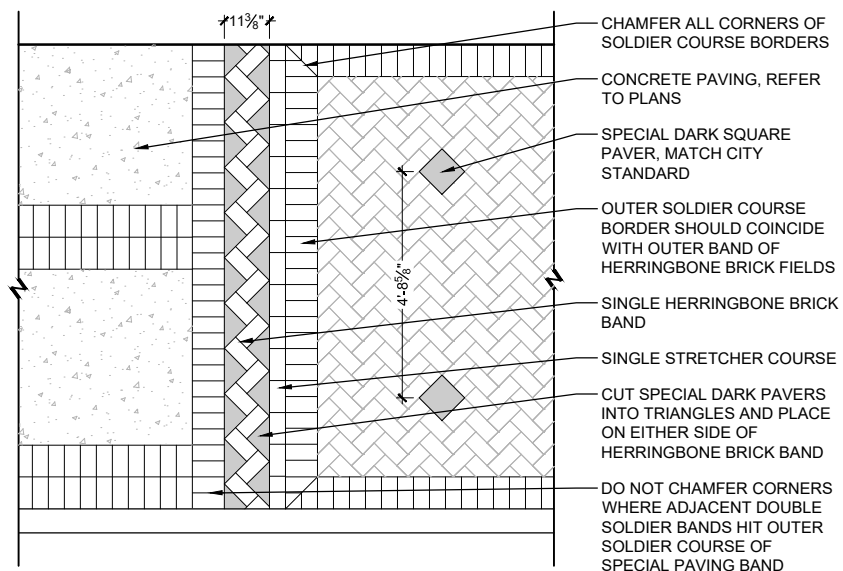
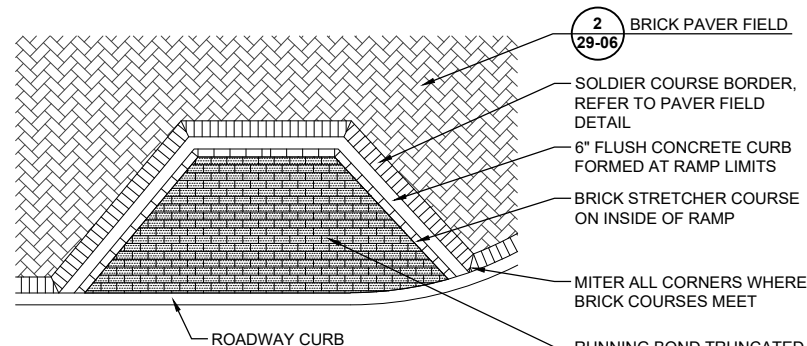
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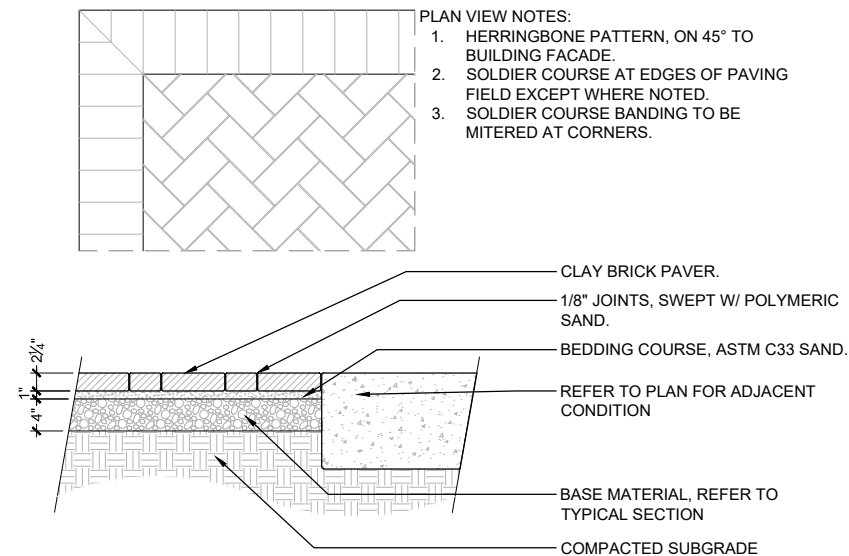
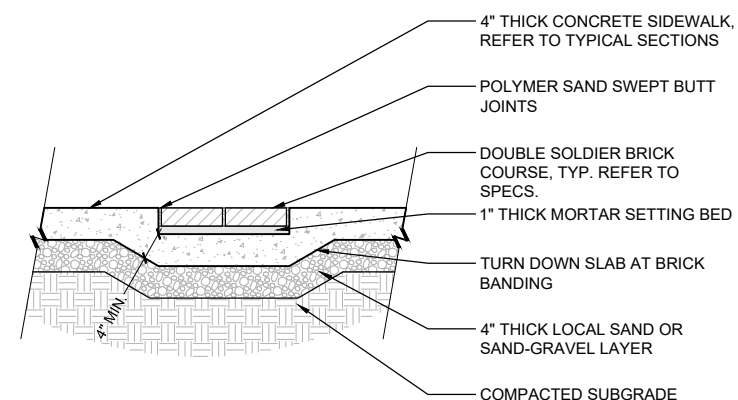


REFERENCE NOTES SCHEDULE		
SYMBOL	DESCRIPTION	DETAIL
P-01	CONCRETE PAVING	1/29-06
P-02	VEHICULAR CONCRETE	3/29-06
P-03	BRICK PAVING	2/29-06
P-04	FLARED RAMP W/ TRUNCATED DOME PAVERS	6/29-06

1. REFER TO PLANS FOR CONC COLORING IF APPLICABLE.
2. BROOM FINISH ALL CONC PERPENDICULAR TO TRAFFIC FLOW UNLESS OTHERWISE NOTED.
3. SEAL ALL BROOM FINISHED CONC W/ SILANE OR SILOXANE BASED SEALER.
4. SEAL ANY EXPOSED AGGREGATE SURFACES W/ LM SCOFIELD REPELLO AS BASIS OF DESIGN.
5. EXPANSION JOINTS (EJ) TO OCCUR ADJ TO ALL COLD POURS, VERTICAL SURFACES, & AS SHOWN ON PLANS.
6. SPACE EJ MAX 30 FT O.C. UNLESS SHOWN OTHERWISE ON PLANS.
7. CONTROL JOINTS (CJ) TO OCCUR IN ALL CONC SLABS & BANDS AS SHOWN ON PLANS. WHERE NOT SHOWN ON PLANS, SPACE JNTS EQUAL TO SLAB WIDTH - 12 FT MAX.
8. CONCRETE MIXES SHALL INCLUDE ALL WHITE SAND.


$$1'' = 1'-0''$$

$$1'' = 1'-0''$$

$$1/2'' = 1'-0''$$


NOTE: REFER TO CIVIL PLANS AND DETAILS FOR MORE INFORMATION ON FLARED RAMP DIMENSIONS AND GRADING

$$1/4'' = 1'-0''$$

$$1'' = 1'-0''$$

$$1'' = 1'-0''$$

1. DO NOT PLACE CONCRETE WHILE IT IS RAINING OR WHEN RAIN IS IMMINENT.
2. LAY PAVERS IN PATTERN(S) SHOWN ON DRAWINGS. PLACE UNITS HAND TIGHT WITHOUT USE OF HAMMERS. MAKE HORIZONTAL ADJUSTMENTS TO PLACEMENT OF LAID PAVERS WITH RUBBER HAMMERS AS REQUIRED.
3. PROVIDE JOINTS BETWEEN PAVERS BETWEEN 1/16 IN. & 3/16 IN. WIDE. NO MORE THAN 5% OF THE JOINTS SHALL EXCEED 1/4 IN. WIDE TO ACHIEVE STRAIGHT BOND LINES.
4. JOINT(BOND) LINES SHALL NOT DEVIATE MORE THAN $\pm 1/2$ IN. OVER 50 FT. FROM STRING LINES.
5. FILL GAPS AT EDGES OF PAVED AREA WITH CUT PAVERS OR EDGE UNITS.
6. CUT ALL PAVERS TO BE PLACED ALONG THE EDGE WITH A MASONRY SAW.
7. ADJUST BOND PATTERN AT PAVEMENT EDGES SUCH THAT CUTTING OF EDGE PAVERS IS MINIMIZED.
8. IN NO CASE SHALL A CUT PAVES BE LESS THAN 1/3 OF A FULL PAVES SIZE.
9. PAVES DIMENSIONS ARE NOMINAL. PRIOR TO POURING SLABS, BANDING, OR OTHERWISE SETTING PAVES FIELDS, VERIFY ACTUAL PAVES SIZES & LAYOUT OF PAVES FIELDS. MAKE MINOR ADJUSTMENTS TO EDGE CONSTRAINTS AS REQUIRED TO ACCOMMODATE ACTUAL PAVES SIZES. NOTIFY LANDSCAPE ARCHITECT IMMEDIATELY OF DISCREPANCIES AND/OR ADJUSTMENTS.



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FINAL (100%)	

Streetscape Improvements on Pentz Street & Cuyler Street

GMC # TATL220003

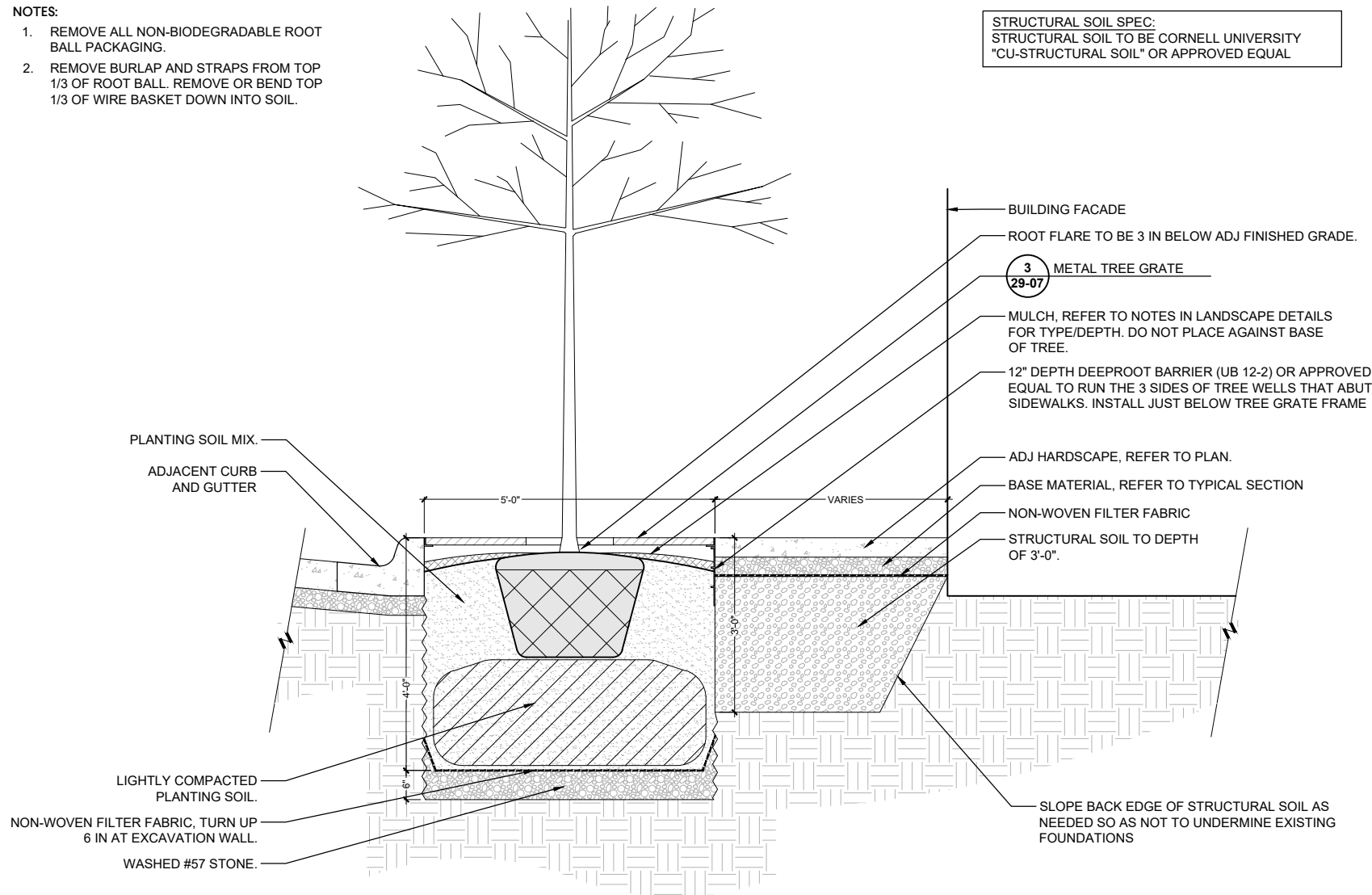


Hardscape Details

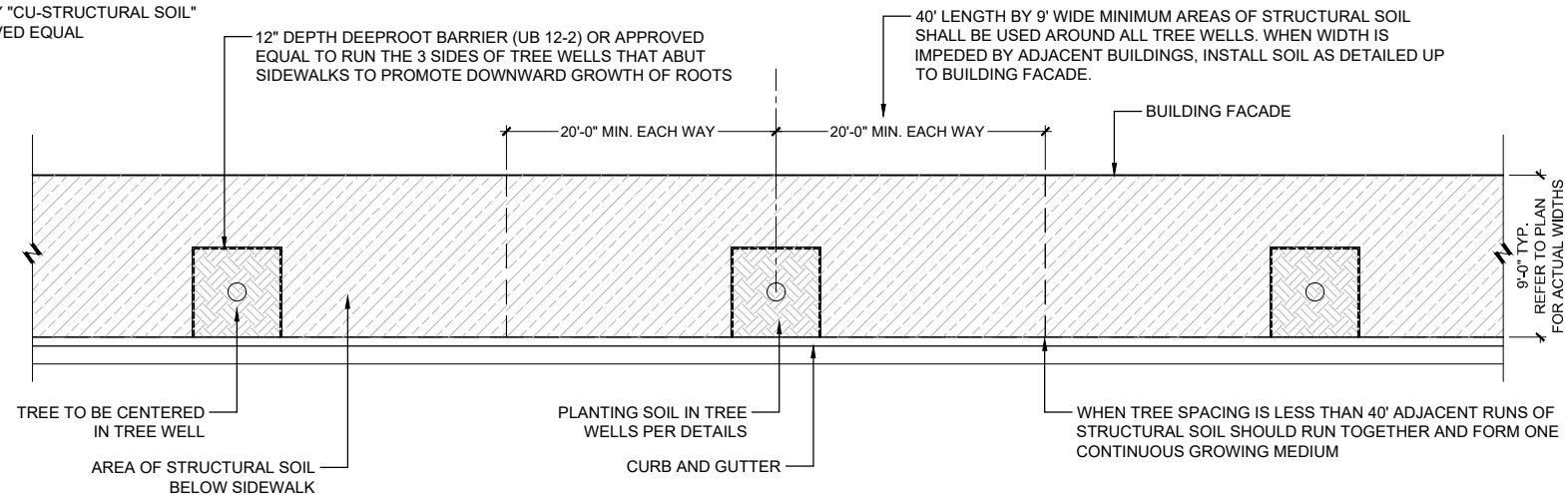
DRAWING NO.

29-0006

1. REMOVE ALL NON-BIODEGRADABLE ROOT BALL PACKAGING.
2. REMOVE BURLAP AND STRAPS FROM TOP 1/3 OF ROOT BALL. REMOVE OR BEND TOP 1/3 OF WIRE BASKET DOWN INTO SOIL.



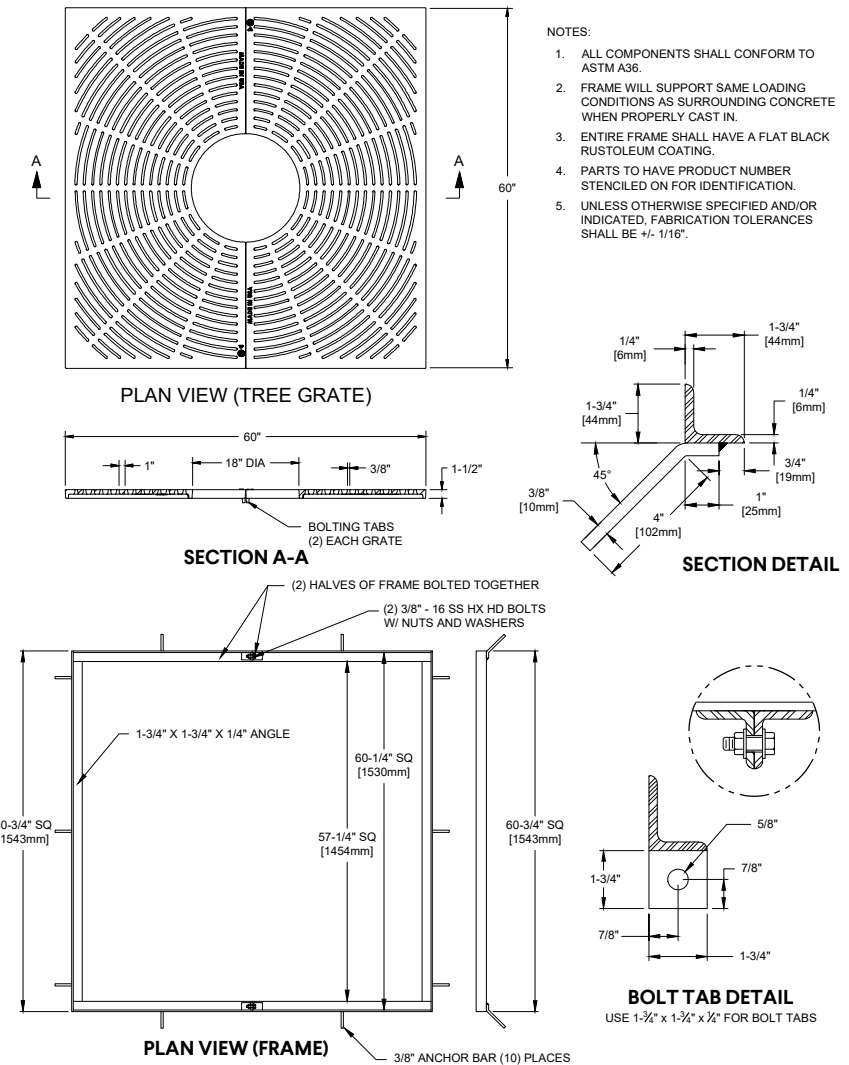
STRUCTURAL SOIL SPEC:
STRUCTURAL SOIL TO BE CORNELL
UNIVERSITY "CU-STRUCTURAL SOIL"
OR APPROVED EQUAL



L $3/16'' = 1'-0''$

STRUCTURAL SOIL SPEC:
STRUCTURAL SOIL TO BE CORNELL UNIVERSITY
"CU-STRUCTURAL SOIL" OR APPROVED EQUAL

THE TREE WILL NOT BE INCLUDED AS A PART OF THE TREE WELL ITEM. THE TREE WILL BE MEASURED AND PAID FOR AS A SEPARATE PAY ITEM FROM THE TREE WELL.


$$3/4" = 1'-0"$$

TREE GRATE SPEC (BASIS OF DESIGN):	
MANUFACTURER:	EAST JORDAN IRON WORKS
GRATE MODEL #:	V8955-1 (PRODUCT# 48955000)
FRAME MODEL #:	(PRODUCT# TF60602000)

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**Streetscape Improvements on
Pentz Street & Cuyler Street**
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Whitfield County, Georgia

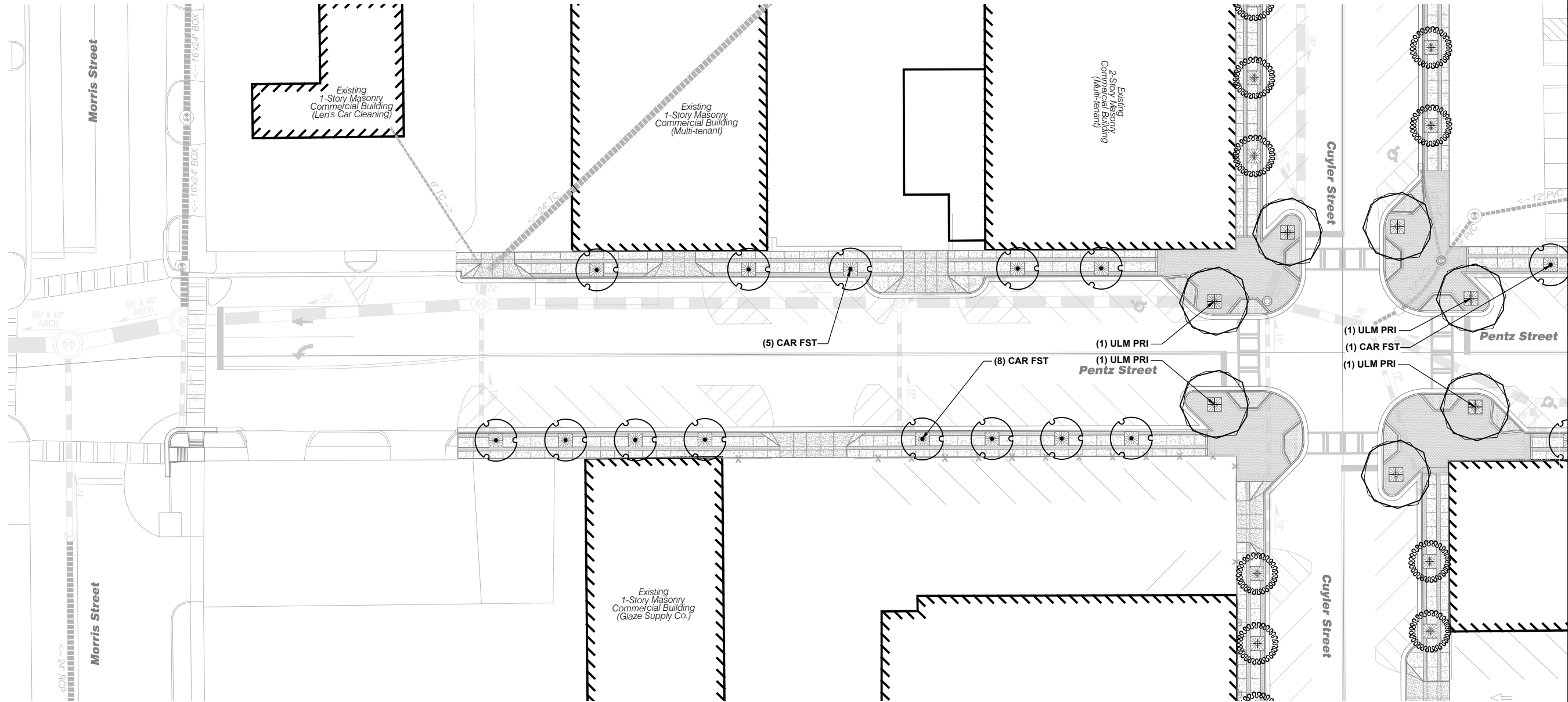
GMC # TATL220003



Hardscape Details

DRAWING NO.

29-0007



PLANT KEY		
TREES	BOTANICAL NAME	COMMON NAME
ACE AGL	ACER RUBRUM 'JFS-KW78'	ARMSTRONG GOLD® MAPLE
CAR FST	CARPINUS BETULUS 'FASTIGIATA'	PYRAMIDAL EUROPEAN HORNBEAM
GIN DLB	GINKGO BILOBA 'JFS-UGA2'	GOLDEN COLONNADE® MAIDENHAIR TREE
ULM PRI	ULMUS AMERICANA 'PRINCETON'	PRINCETON AMERICAN ELM
GROUND COVERS		
CYN DAC	CYNODON DACTYLON 'TIF 419'	BERMUDA GRASS



PENTZ STREET

Landscape Plan

9+70 to 15+30

DRAWING NO.

30-0001

Streetscape Improvements on
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Whitfield County, Georgia

GMC # TATL220003

ISSUE	DATE
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FFPR (90%)	
FINAL (100%)	

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MATCH LINE STA. 15+30.00 DRAWING No. 30-0002



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Streetscape Improvements on
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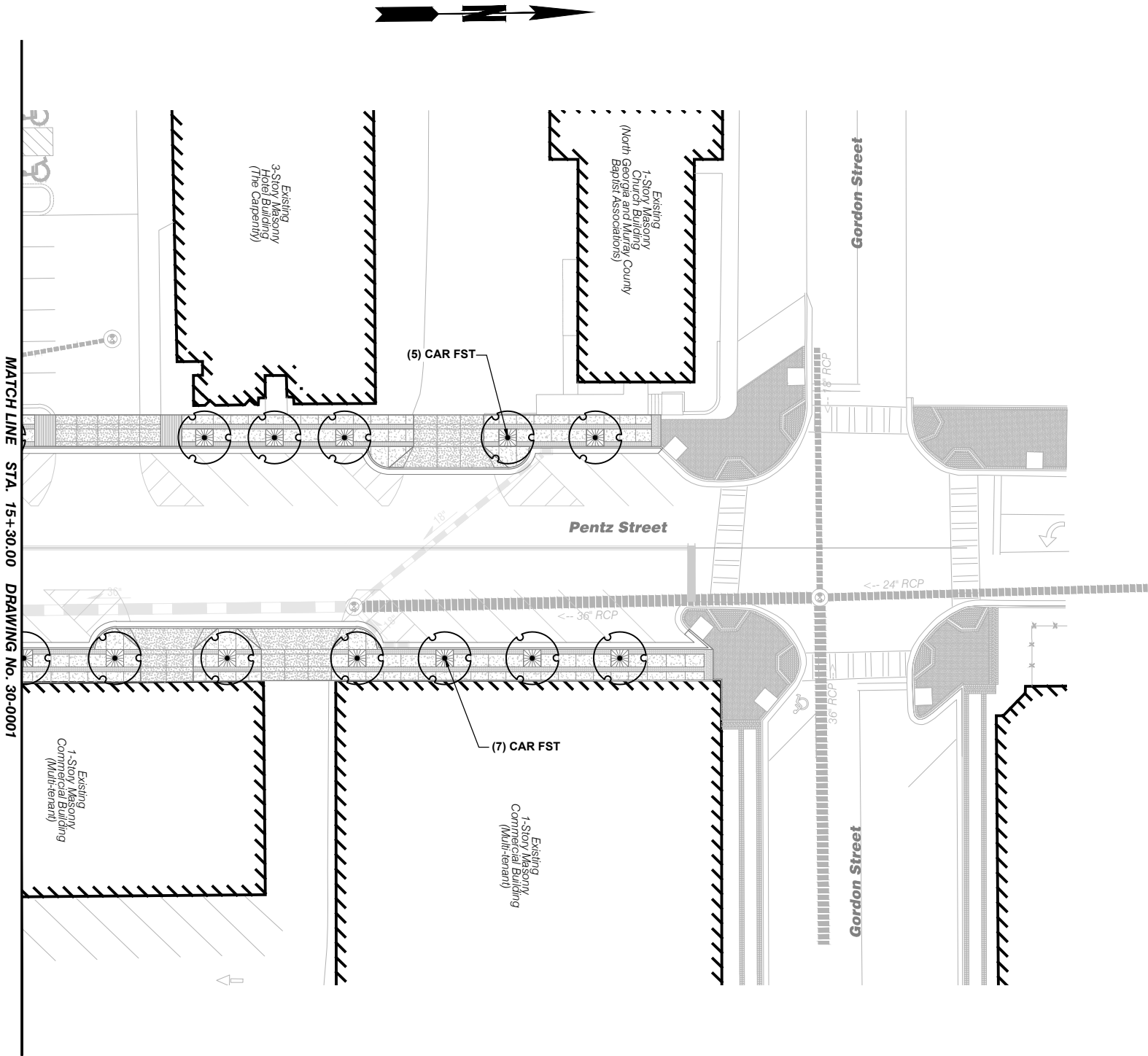
PENTZ STREET

Landscape Plan

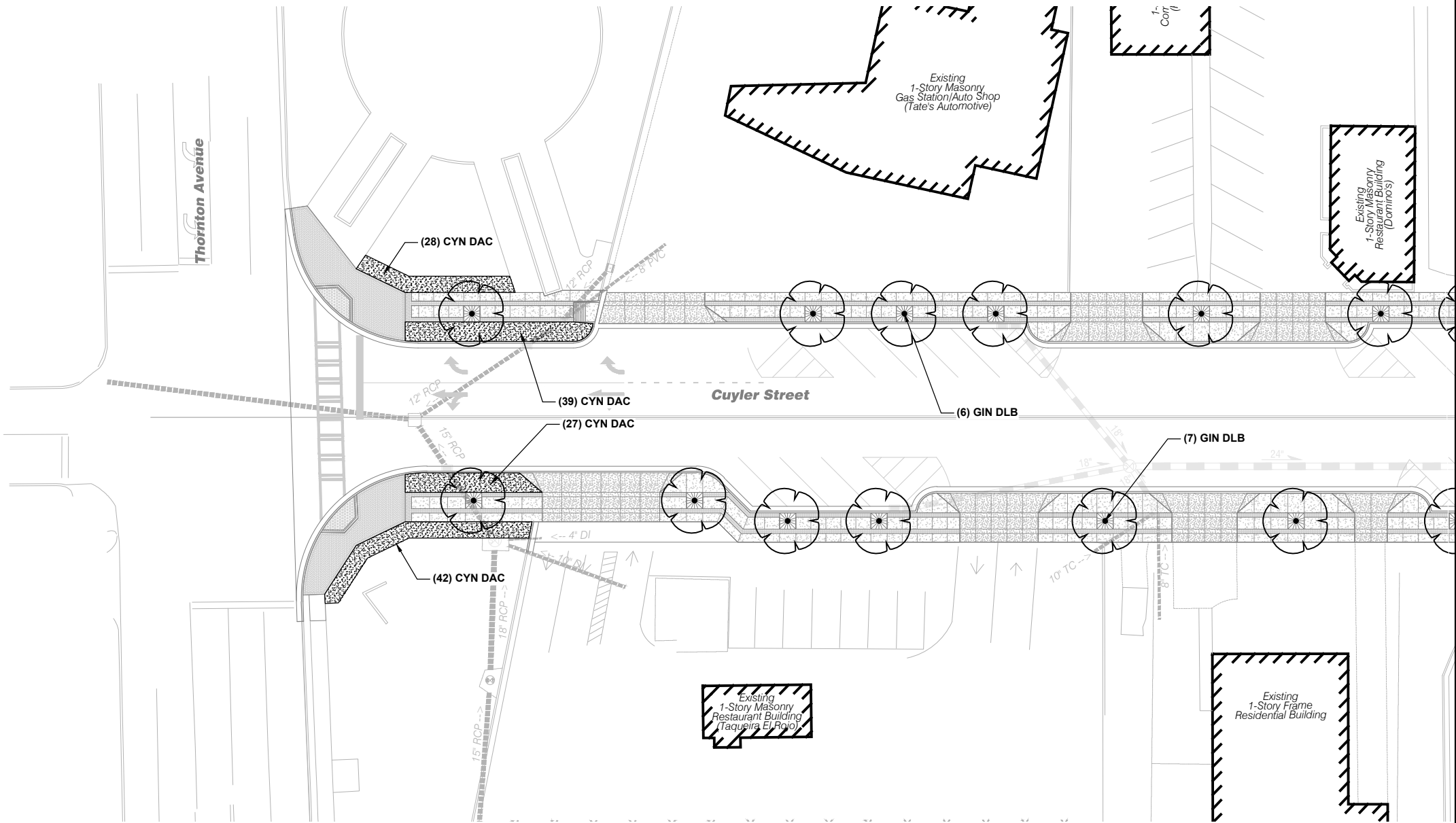
15+30 to 18+00

DRAWING NO.

30-0002



PLANT KEY		
TREES	BOTANICAL NAME	COMMON NAME
ACE AGL	ACER RUBRUM 'JFS-KW78'	ARMSTRONG GOLD® MAPLE
CAR FST	CARPINUS BETULUS 'FASTIGIATA'	PYRAMIDAL EUROPEAN HORNBEAM
GIN DLB	GINKGO BILOBA 'JFS-UGA2'	GOLDEN COLONNADE® MAIDENHAIR TREE
ULM PRI	ULMUS AMERICANA 'PRINCETON'	PRINCETON AMERICAN ELM
GROUND COVERS	BOTANICAL NAME	COMMON NAME
CYN DAC	CYNODON DACTYLON 'TIF 419'	BERMUDA GRASS



PLANT KEY		
TREES	BOTANICAL NAME	COMMON NAME
ACE AGL	ACER RUBRUM 'JFS-KW78'	ARMSTRONG GOLD® MAPLE
CAR FST	CARPINUS BETULUS 'FASTIGIATA'	PYRAMIDAL EUROPEAN HORNBEAM
GIN DLB	GINKGO BILOBA 'JFS-UGA2'	GOLDEN COLONNADE® MAIDENHAIR TREE
ULM PRI	ULMUS AMERICANA 'PRINCETON'	PRINCETON AMERICAN ELM
GROUND COVERS		
CYN DAC	CYNODON DACTYLON 'TIF 419'	BERMUDA GRASS

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CUYLER STREET

Landscape Plan

37+50 to 41+50

DRAWING NO.
30-0003



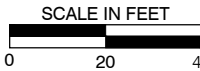
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FINAL (100%)	



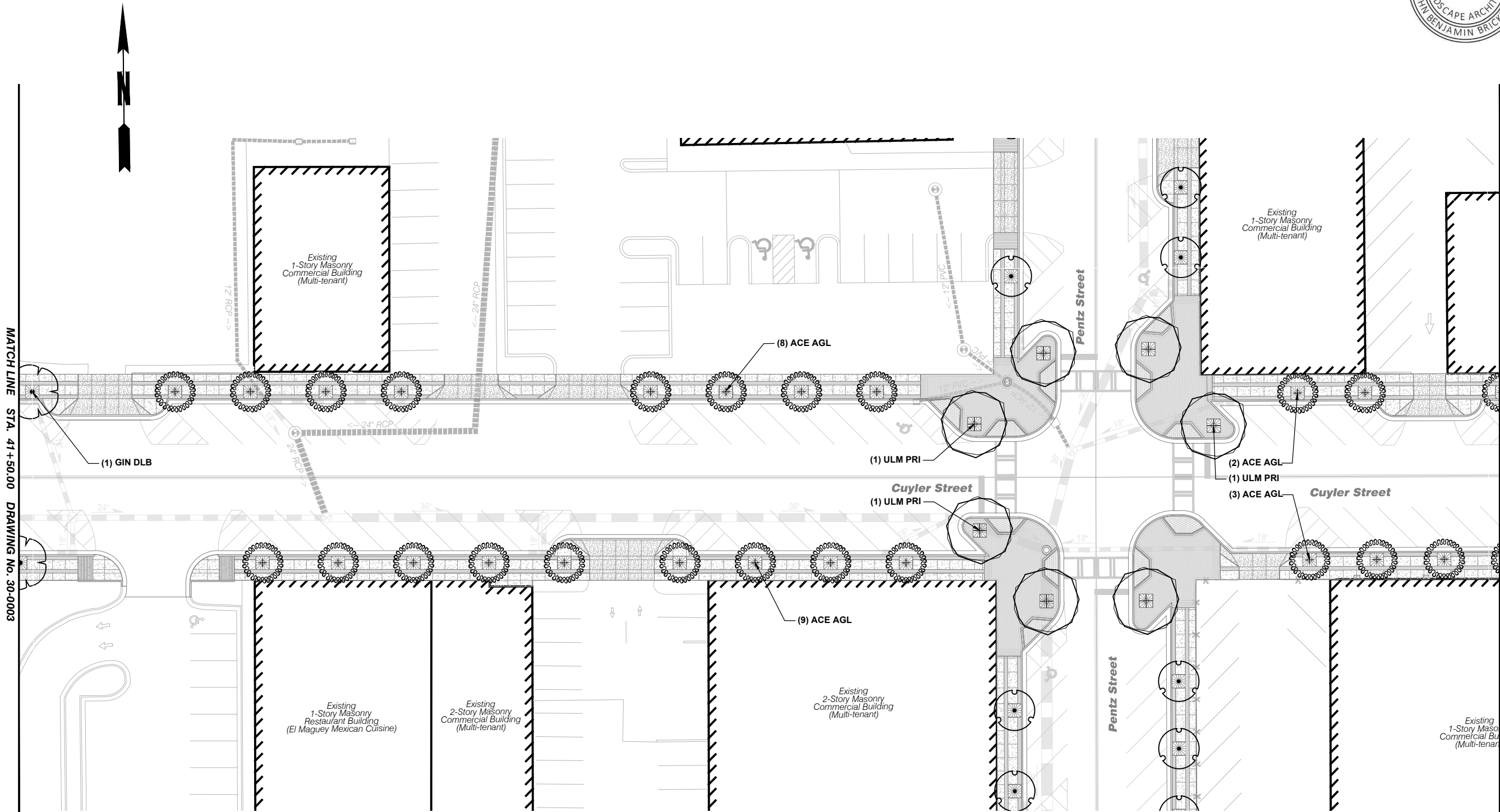
CUYLER STREET

Landscape Plan

41+50 to 47+00

DRAWING NO.

30-0004



PLANT KEY		
TREES	BOTANICAL NAME	COMMON NAME
ACE AGL	ACER RUBRUM 'JFS-KW78'	ARMSTRONG GOLD® MAPLE
CAR FST	CARPINUS BETULUS 'FASTIGIATA'	PYRAMIDAL EUROPEAN HORNBEAM
GIN DLB	GINKGO BILOBA 'JFS-UGA2'	GOLDEN COLONNADE® MAIDENHAIR TREE
ULM PRI	ULMUS AMERICANA 'PRINCETON'	PRINCETON AMERICAN ELM
GROUND COVERS	BOTANICAL NAME	COMMON NAME
CYN DAC	CYNODON DACTYLON 'TIF 419'	BERMUDA GRASS



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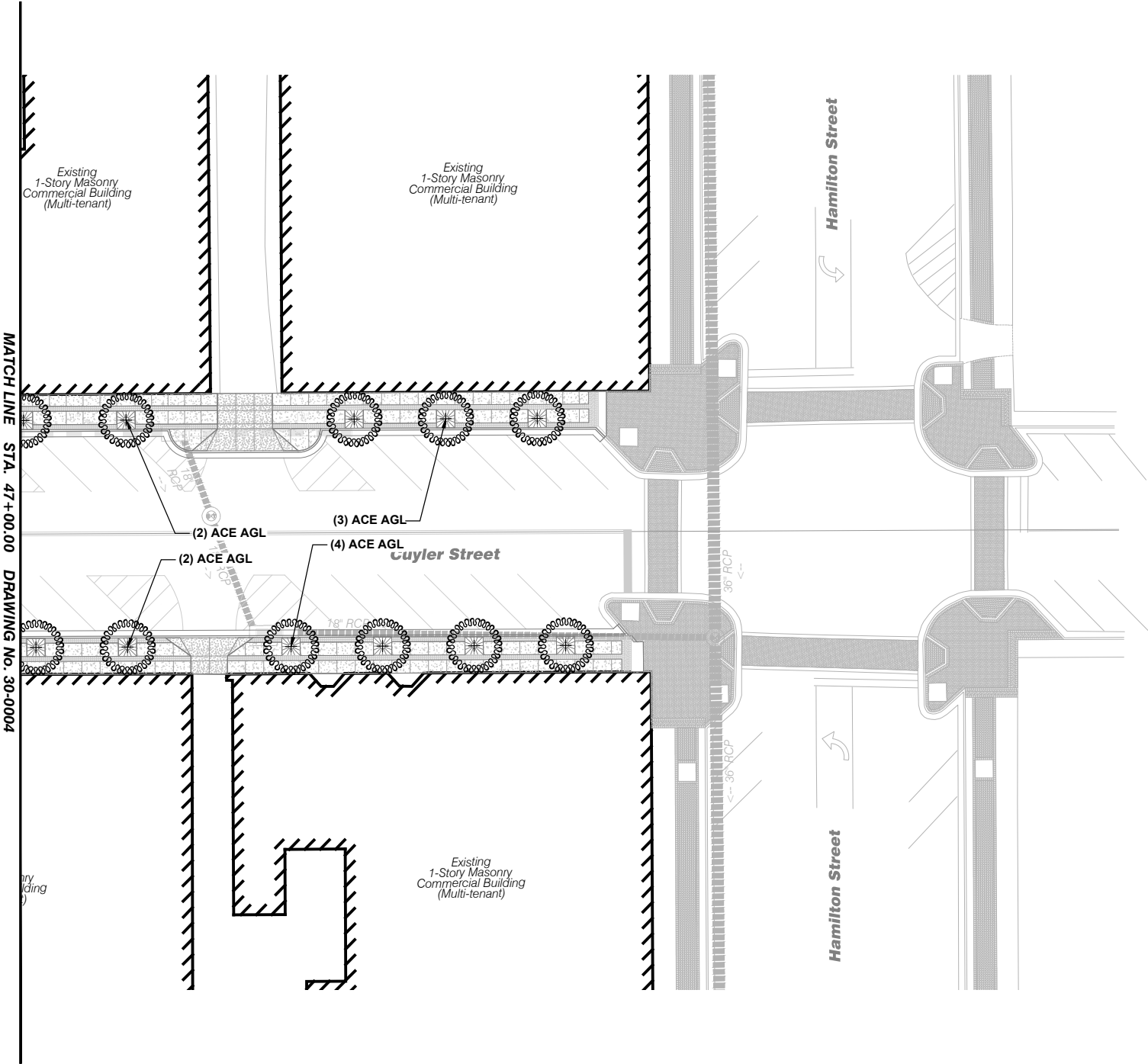
CUYLER STREET

Landscape Plan

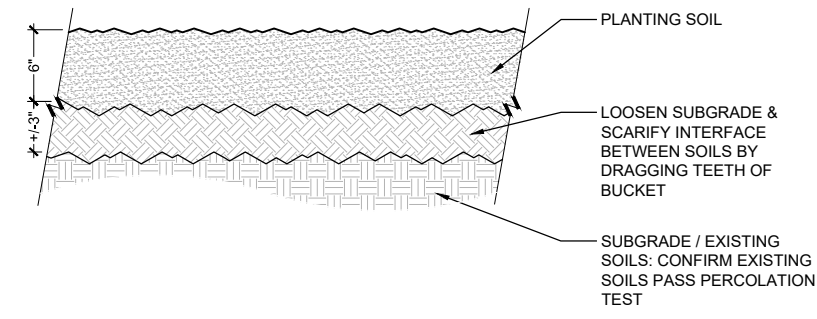
47+00 to 50+00

DRAWING NO.

30-0005

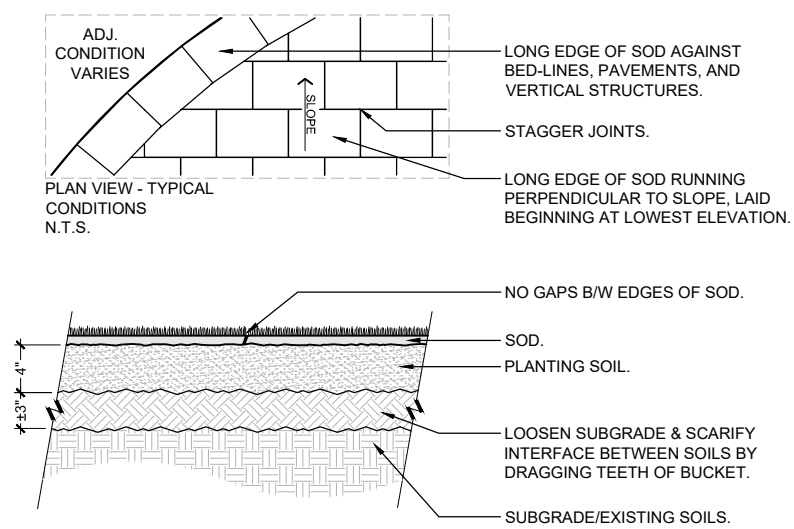


PLANT KEY		
TREES	BOTANICAL NAME	COMMON NAME
ACE AGL	ACER RUBRUM 'JFS-KW78'	ARMSTRONG GOLD® MAPLE
CAR FST	CARPINUS BETULUS 'FASTIGIATA'	PYRAMIDAL EUROPEAN HORNBEAM
GIN DLB	GINKGO BILOBA 'JFS-UGA2'	GOLDEN COLONNADE® MAIDENHAIR TREE
ULM PRI	ULMUS AMERICANA 'PRINCETON'	PRINCETON AMERICAN ELM
GROUND COVERS	BOTANICAL NAME	COMMON NAME
CYN DAC	CYNODON DACTYLON 'TIF 419'	BERMUDA GRASS



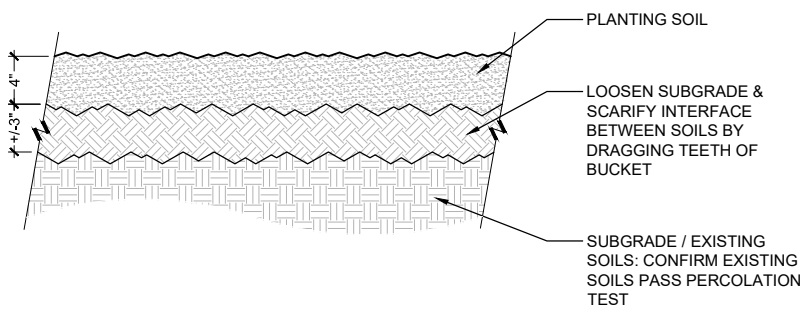
1 PLANT BED SOIL PREPARATION

1 1/2" = 1'-0"



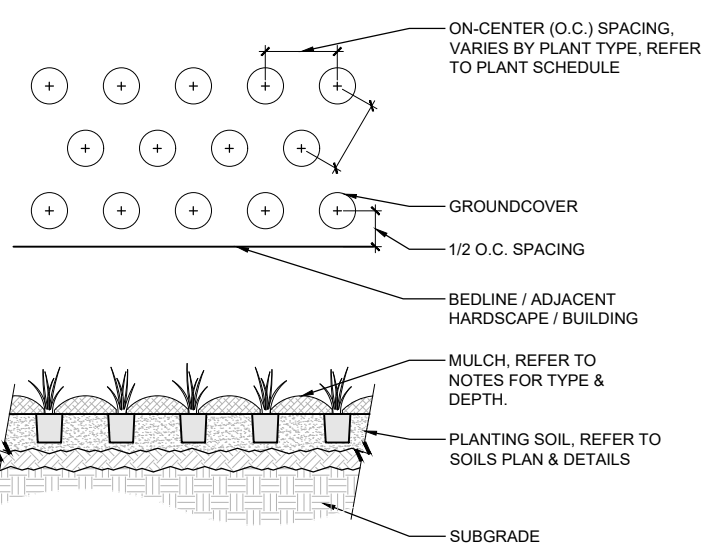
3 SOD INSTALLATION

1 1/2" = 1'-0"



2 SOD SOIL PREPARATION

1 1/2" = 1'-0"



4 GROUNDCOVER & PERENNIAL PLANTING

3/4" = 1'-0"

PLANT SCHEDULE						
TREES	QTY	BOTANICAL NAME	COMMON NAME	CAL. / HT.	ROOTBALL	
ACE AGL	33	ACER RUBRUM 'JFS-KW78'	ARMSTRONG GOLD® MAPLE	2.0" CAL.	B&B	
CAR FST	26	CARPINUS BETULUS 'FASTIGIATA'	PYRAMIDAL EUROPEAN HORNBEAM	2.0" CAL.	B&B	
GIN DLB	14	GINKGO BILOBA 'JFS-UGA2'	GOLDEN COLONNADE® MAIDENHAIR TREE	2.0" CAL.	B&B	
ULM PRI	7	ULMUS AMERICANA 'PRINCETON'	PRINCETON AMERICAN ELM	2.0" CAL.	B&B	
GROUND COVERS	QTY	BOTANICAL NAME	COMMON NAME	TYPE		
CYN DAC	136	CYNODON DACTYLON 'TIF 419'	BERMUDA GRASS	SOD		36" o.c.

PLANT INSTALLATION NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING THEMSELVES WITH ALL RELATED EXISTING CONDITIONS, UTILITIES, STRUCTURES, ETC. PRIOR TO BIDDING AND CONSTRUCTION.
2. REMOVE FROM SITE ANY & ALL EXISTING VEGETATION INCLUDING STUMPS & ROOTS IN CONFLICT WITH PLANTING PLAN UNLESS EXPLICITLY DESIGNATED FOR PROTECTION.
3. SEE SPECIFICATIONS & DETAILS FOR PLANTING METHODS, REQUIREMENTS, SOIL TESTING, MATERIALS, EXECUTION, AND PLANT PROTECTION.
4. PLANT NAMES MAY BE ABBREVIATED ON DRAWINGS. REFER TO PLANT SCHEDULE FOR ABBREVIATIONS, BOTANICAL & COMMON NAMES, SIZES, ESTIMATED QUANTITIES AND OTHER REMARKS.
5. CONTRACTOR SHALL VERIFY THE TOTAL QUANTITIES INDICATED IN THE PLANT LIST WITH THE QUANTITIES SHOWN ON THE PLAN. CONTRACTOR SHALL PROVIDE QUANTITIES REQUIRED TO COMPLETE PROPOSED PLANTING AS INDICATED ON THE PLAN.
6. ALL PLANTING BEDS AND TREES SHALL BE MULCHED WITH 3-4 IN. OF SHREDDED PINE MULCH THAT IS FREE FROM DEBRIS, LEAVES, TWIGS, INSECTS, GRASSES, WEEDS, PLANTS AND THEIR SEEDS, AND ANY SUBSTANCE HARMFUL TO PLANT GROWTH.
7. CONTRACTOR IS RESPONSIBLE FOR REPAIRING ALL WORK DISTURBED BY CONSTRUCTION TO A CONDITION BETTER THAN OR EQUAL TO THE CONDITIONS THAT EXISTED PRIOR TO THE BEGINNING OF CONSTRUCTION AT NO ADDITIONAL COST TO OWNER.
8. ALL LANDSCAPE SHOWN IN PLANS TO BE WATERED IN ACCORDANCE WITH THE SPECIFICATIONS. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING AN APPROPRIATE WATERING REGIMEN TO KEEP LANDSCAPE MATERIALS HEALTHY THROUGHOUT THE LIFE OF THE PROJECT AND WARRANTY PERIOD.

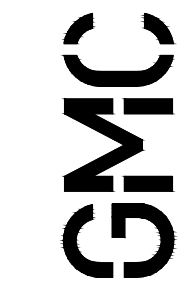
PLANTING SOIL & PREPARATION NOTES

1. PLANTING SOIL SHALL BE PROVIDED MIXED AND READY FOR INSTALLATION. ON-SITE MIXING OF PLANTING SOIL IS NOT ACCEPTABLE.
2. CONTRACTOR SHALL COORDINATE WITH OWNER'S REPRESENTATIVE FOR LOCATION OF STOCKPILE AREAS FOR STRIPPED TOPSOIL AND PLANTING SOIL PRODUCTS. CONTRACTOR SHALL ENSURE AREA IS PROTECTED AND CONTAMINATION OR DISTURBANCE OF STORED PRODUCT IS NOT ALLOWED.
3. FINAL GRADES DEPICTED ON THE GRADING PLAN (REFER TO CIVIL DRAWINGS) ARE TO ACCOUNT FOR PLANTING SOIL DEPTHS INDICATED IN THE PLANTING SOIL & PREPARATION DRAWINGS.
4. CONTRACTOR SHALL ENSURE SUBGRADE IS SCARIFIED PRIOR TO INSTALLING PLANTING SOIL.
5. ALL TRASH, DEBRIS LARGER THAN 2 INCHES IN ANY DIRECTION, ROCK, COBBLE, EXCAVATION SPOILS, & GRAVEL SHALL BE REMOVED AND LEGALLY DISPOSED OF OFF-SITE PRIOR TO THE INSTALLATION OF TOPSOIL/PLANTING SOIL.
6. COORDINATE PLACEMENT OF PLANTING SOIL WITH OTHER WORK, ESPECIALLY UTILITIES. PLACEMENT SHOULD OCCUR AFTER INSTALLATION OF HARDSCAPE IMPROVEMENTS, IRRIGATION SYSTEMS, UTILITIES, ETC. AND BEFORE PLANT INSTALLATION.

PRE-APPROVED NURSERIES & TREE TAGGING

THE CONTRACTOR IS TO SOURCE THE TREES SPECIFIED ON THESE DRAWINGS AT THE FOLLOWING NURSERIES OR PREAPPROVED EQUAL NURSERIES. NURSERIES OF EQUAL QUALITY TREES MUST BE APPROVED PRIOR TO BIDDING.

GEORGIA		
SELECT TREES 1900 COLE SPRINGS RD. BISHOP, GA 30621 (706) 743-5124	BOLD SPRINGS NURSERY 1366 COLUMBUS HWY HAWKINSVILLE, GA 31036 (478) 783-4975	SOUTHEASTERN GROWERS, INC 2240 MACON HIGHWAY WATKINSVILLE, GA 30677 (706) 310-1110
MOON'S TREE FARM, INC. 175 HAPPY HOLLOW ROAD WASHINGTON, GA 30673 (770) 554-6849		



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FINAL (100%)	

Streetscape Improvements on
Pentz Street & Cuyler Street
In the City of Dalton
Whitfield County, Georgia
GMC # TATL220003



Landscape Details

TRENCH CONSTRUCTION FOR STORM DRAIN BENEATH ROADWAYS

FINAL 12.5 mm SUPERPAVE WEARING SURFACE OVERLAY

TOP OF CONCRETE SHALL HAVE A RAKED SURFACE

8"

CLASS B CONCRETE BASE OR PAVEMENT WIDENING

8"

12" MIN

6"

6"

12" MIN

STORM DRAIN INSTALLATION

GDOT TYPE II FOUNDATION (WASHED #87, #67, OR #57 ONLY)

TRENCH CONSTRUCTION FOR STORM DRAIN

GRADE LINE OR TOP OF EMBANKMENT

Q SYMMETRICAL ABOUT C_L

BACKFILL TO BE MECHANICALLY COMPACTED TO THE TOP OF THE TRENCH OR TO A HEIGHT OF MIN. COVER ABOVE THE TOP OF THE PIPE, WHICHEVER IS GREATER. FOR CONSTRUCTION DETAILS SEE NOTE FOR NORMAL BACKFILL

INSTALL NON WOVEN, NEEDLE PUNCHED FILTER FABRIC

6" OF FOUND TYPE 2 BACKFILL MATERIAL (WASHED 57)

FOUNDATION BACKFILL MATERIAL TYPE I, WHEN REQUIRED SHALL BE CLASS I, OR II SOILS APPROVED FOR USE BY THE ENGINEER. THE MATERIAL TO BE USED WILL BE OBTAINED AS UNCLASSIFIED EXCAVATION OR BORROW FROM LOCATIONS APPROVED BY THE ENGINEER.

FOR EXCAVATION FOR PIPE-ARCH CULVERTS SUBSTITUTE SPAN AND RISE FOR OUTSIDE DIAMETER OF PIPE IN HORIZONTAL AND VERTICAL DIMENSIONS SPECIFIED IN DETAIL.

NOTE: TRENCH CONSTRUCTION IS REQUIRED FOR BOTH NORMAL OR IMPERFECT BACKFILL. ALL PIPES WITH BELL & SPIGOT JOINTS SHALL HAVE BELL HOLES IN BEDDING.

12" MIN. O.D.

VARIABLE 12" MIN.

12" MIN.

CIRCULAR PIPE (ONLY CONC. SHOWN)

ARCH

FLAT BOTTOM PIPE

SPAN

LIMITS OF STRUCTURE EXCAVATION

DEPTH OF TRENCH VARIABLE

0.15(O.D.) MIN.

0.30(O.D.) MIN.

RISE

6"

FOUND. BACKFILL MAT'L TYPE I OR II

NOTE: BELL HOLES SHALL BE PROVIDED IN BEDDING IF PIPE HAS BELL AND SPIGOT JOINTS.

12" TYPE 2 BACKFILL MATERIAL (WASHED 57) TO HALF OUTSIDE DIAMETER OF PIPE

NOTE: WHERE AN INCOMPRESSIBLE FOUNDATION EXISTS, EXCAVATE AN ADDITIONAL 6". WHERE AN UNSTABLE FOUNDATION MATERIAL IS ENCOUNTERED, EXCAVATE AN ADDITIONAL DEPTH AS SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER

NOTES:

1. ALL MANHOLE COVERS SHALL BE MADE OF CLEAN, EVEN GRAIN, TOUGH GRAY CAST IRON TO MEET HEAVY DUTY DESIGN LOADS.
2. THE QUALITY OF IRON IN THE MANHOLE COVERS SHALL CONFORM TO THE CURRENT ASTM A 48 FOR CLASS 35B GRAY IRON CASTINGS.
3. THE CASTINGS SHALL BE SMOOTH, TRUE TO PATTERN AND FREE FROM PROJECTIONS, SAND HOLES OR DEFECTS AND SHALL PROPERLY FIT THE MANHOLE OPENING.
4. MANHOLE COVERS SHALL BE EAST JORDAN IRON WORKS MODEL NUMBER V-1860-1 WITH SPECIFIC CITY OF DALTON MARKINGS AS SHOWN (PRODUCT NUMBER 41860039).

SECTION VIEW

The section view shows the boardwalk's cross-section. It is 36 inches high and 18 inches wide. The structure consists of a 3/4-inch plywood deck supported by 2-inch by 6-inch joists spaced at a maximum of 24 inches on center. The boardwalk is 6 inches wide at the base. The end cap is 2 inches by 6 inches. The boardwalk is attached to a building face.

SIDE VIEW

The side view shows the boardwalk's length. It is 8 feet long, divided into three sections of 8 feet each. The structure is made of 2-inch by 4-inch studs and 2-inch by 6-inch joists. The deck is 3/4-inch plywood. A handrail is shown on the right side. The end cap is 2 inches by 6 inches. The boardwalk is attached to a building face. The slope of the boardwalk is 12:1 MAX.

TEMPORARY PEDESTRIAN BOARDWALK NOTES

1. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL BUSINESSES DURING CONSTRUCTION USING TEMPORARY BOARDWALKS MEETING THE REQUIREMENTS SHOWN IN THIS DETAIL. THIS DETAIL IS NOT ALL INCLUSIVE, NOR IS THIS DRAWING INTENDED TO FIT ALL SITUATIONS. THE CONTRACTOR SHALL MODIFY THE SIZE, SHAPE, AND DIMENSIONS AS NEEDED TO PROVIDE SAFE ACCESS AT EACH LOCATION.
2. THE BOARDWALK SHALL BE INSTALLED ON LEVEL GROUND WITH A MINIMUM OF 12 INCHES OF BEARING AT EACH END OF THE BOARDWALK. THE CONTRACTOR SHALL CHECK THE BEARING AND THE OVERALL STABILITY OF THE BOARDWALK DAILY.
3. THE CONTRACTOR SHALL INSPECT THE BOARDWALK(S) DAILY TO INSURE THAT SAFE CONDITIONS ARE MET. THE CONTRACTOR SHALL IMMEDIATELY REPAIR OR REPLACE DAMAGED SECTIONS.
4. THE CONTRACTOR SHALL INSURE THAT DOOR SWINGS WILL FULLY OPEN WHEN THE BOARDWALK IS IN POSITION. SHOULD THE DOOR NOT BE ABLE TO OPEN FULLY, THE CONTRACTOR SHALL MODIFY THE BOARDWALK INSTALLATION AS NEEDED TO ACCOMMODATE THE FULL DOOR SWING.

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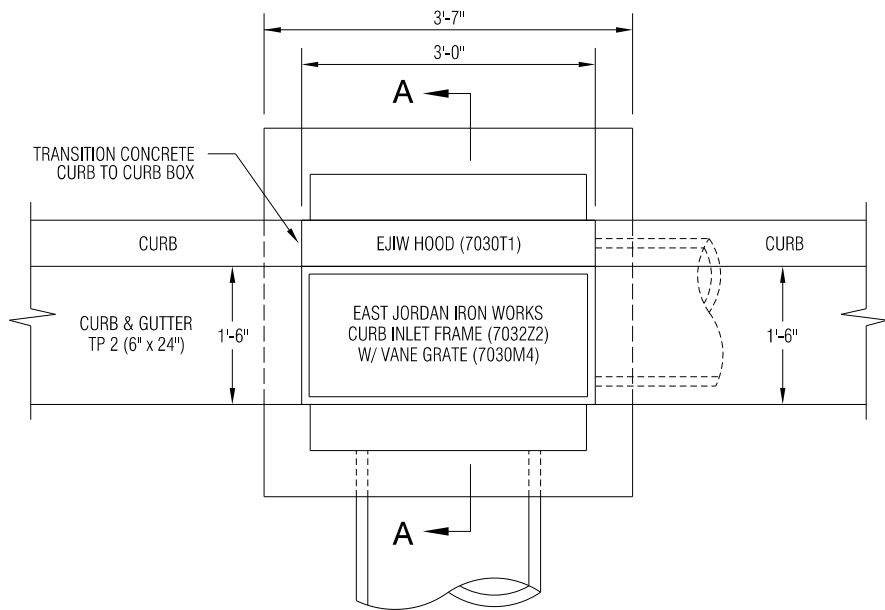
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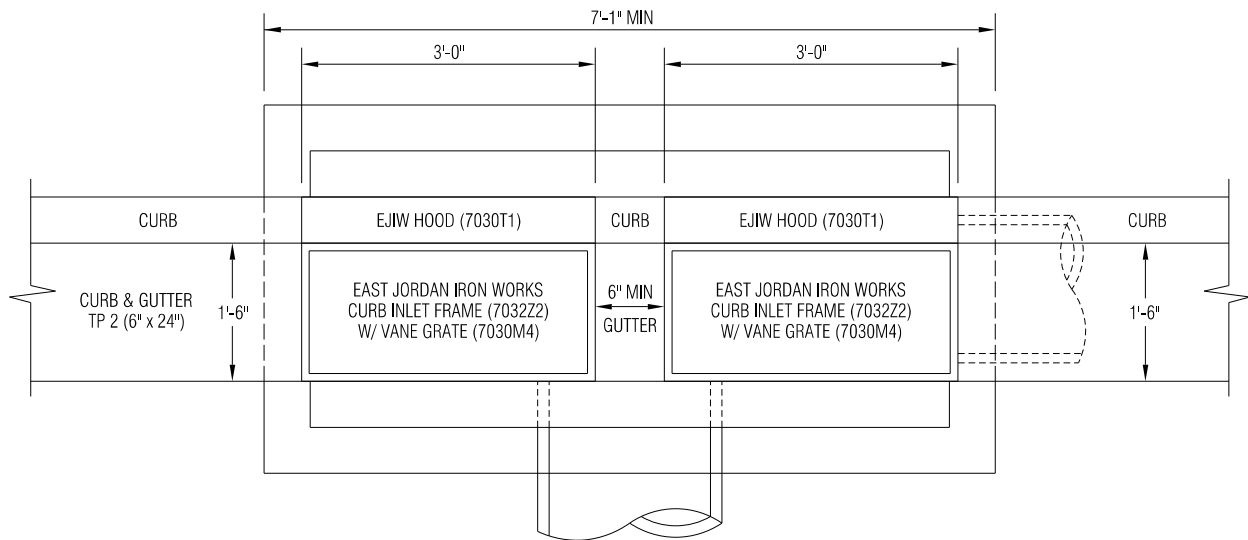
Special Construction Details

38-0001

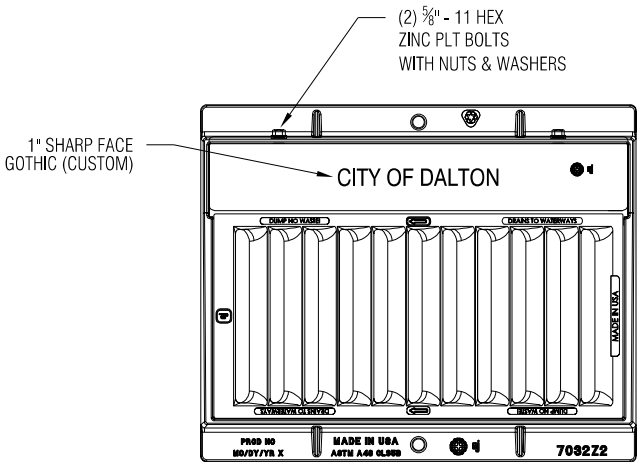
DETAIL FOR CUSTOM VANE GRATE DROP INLET



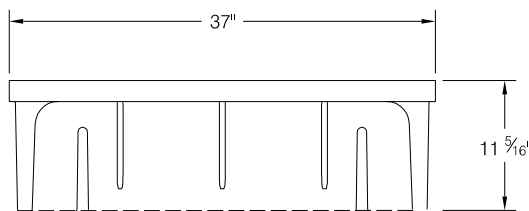
PLAN VIEW (SINGLE)



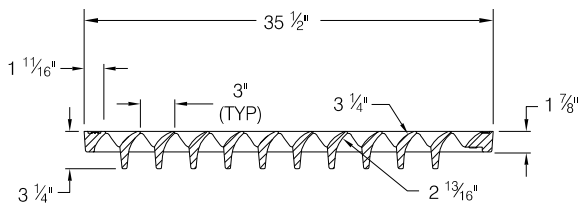
PLAN VIEW (DOUBLE)



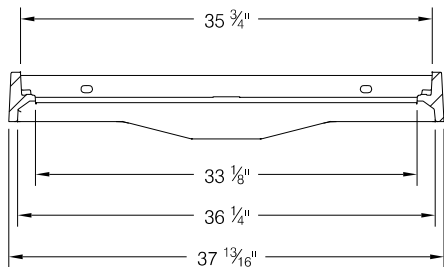
PLAN VIEW



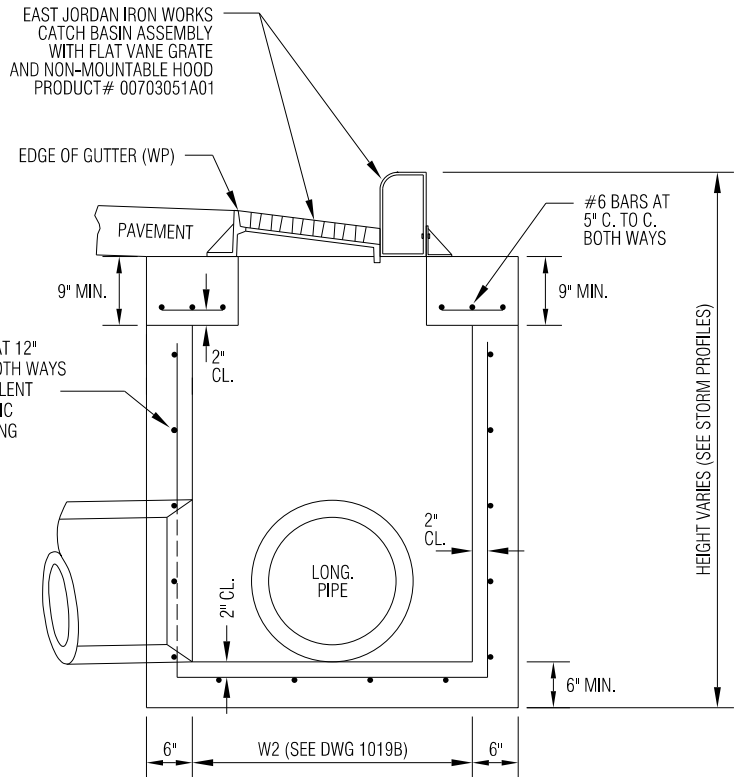
HOOD SECTION



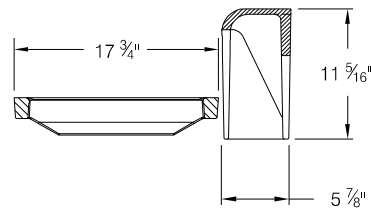
GRATE SECTION



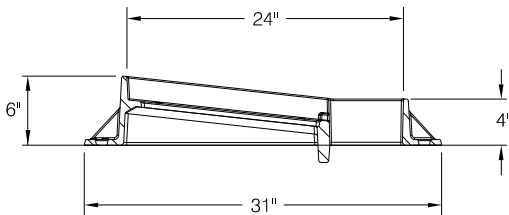
FRAME SECTION



SECTION A-A



GRATE & HOOD SECTION



FRAME SECTION

- NOTES:
- SPECIFICATIONS: GEORGIA STANDARD AND/OR SPECIAL PROVISIONS EXCEPT THE CATCH BASIN ASSEMBLY MATERIALS SHALL BE GRAY IRON ASTM A 48 CLASS 35B.
 - SEE GDOT STANDARD DRAWING 1019B FOR ADDITIONAL INFORMATION.
 - THE ALIGNMENT, NUMBER AND SIZES OF PIPES SHOWN ARE FOR REFERENCE ONLY. SEE PLANS FOR ACTUAL PIPE REQUIREMENTS.
 - ALL CONCRETE SHALL BE CLASS "A" CONCRETE.
 - THE SLOPE OF THE GRATE SHALL MATCH THE GUTTER SLOPE. THE TOP OF THE HOOD SHALL BE FLUSH WITH THE TOP OF CURB.
 - EXPANSION JOINTS (1/2") WILL BE REQUIRED WHERE RIGID PAVEMENT, SIDEWALK, OR CONCRETE GUTTER MEETS DROP INLETS.
 - ALL STRUCTURES OVER 4 FEET DEEP SHALL REQUIRE STEPS.
 - THE GRATE SHALL BE CORRECTLY ORIENTED TOWARD THE DIRECTION OF FLOW.
 - THE CATCH BASIN FRAME, GRATE AND NON-MOUNTABLE HOOD ASSEMBLY SHALL BE EAST JORDAN IRON WORKS PRODUCT NUMBER 00703051A01 WITH THE CUSTOM CITY OF DALTON MARKINGS AS SHOWN.

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Streetscape Improvements on
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Whitfield County, Georgia

GMC # TATL220003

NOT TO SCALE

Special
Construction
Details

DRAWING NO.

38-0002

CONSTRUCTION NOTES:

1. DUCT BANK CONTRACTOR IS RESPONSIBLE FOR FURNISHING AND INSTALLING (2) 6" HDPE CONDUITS (MAY BE REDUCED TO 4" IN CERTAIN LOCATIONS AS DIRECTED BY THE OWNER) INSTALLED A MINIMUM 48" BELOW GRADE, STUBBED UP AND CAPPED WITH PULL STRING AT EACH TERMINAL CABINET/TRANSFORMER LOCATION FOR DALTON UTILITIES PRIMARY CABLING.
2. DUCT BANK CONTRACTOR IS RESPONSIBLE FOR FURNISHING AND INSTALLING (2) 4" HDPE CONDUITS INSTALLED A MINIMUM 48" BELOW GRADE STUBBED UP AND CAPPED WITH PULL STRING FOR EACH COMMUNICATIONS PROVIDER AT EACH COMMUNICATIONS VAULT - SEE DETAIL 1/44-0007.
3. DUCT BANK CONTRACTOR RESPONSIBLE PROVIDING AND INSTALLING ALL COMPONENTS FOR A COMPLETE AND FUNCTIONAL DUCT BANK SYSTEM. CONTRACTOR IS RESPONSIBLE FOR ALL HARDWARE, FITTINGS, COUPLINGS, PULL STRINGS, ETC.
4. COMMUNICATIONS VAULTS SHALL BE FURNISHED & INSTALLED BY THE CONTRACTOR. SEE DETAIL 4/44-0006.
5. TERMINAL CABINETS SHALL BE FURNISHED & INSTALLED BY DALTON UTILITIES. CONDUIT SHALL BE STUBBED UP AND CAPPED AT EACH TERMINAL CABINET LOCATION BY THE CONTRACTOR. COORDINATE REQUIREMENTS WITH DALTON UTILITIES.
6. CONDUIT SHALL BE STUBBED UP AND CAPPED BY CONTRACTOR AS DIRECTED BY DALTON UTILITIES. TRANSFORMERS & CONCRETE PADS SHALL BE FURNISHED & INSTALLED BY DALTON UTILITIES.
7. CONTRACTOR RESPONSIBLE FOR COORDINATING ALL EXISTING UTILITY CONDITIONS WITH EACH UTILITY PROVIDER. CONTRACTOR RESPONSIBLE FOR REPAIRING DAMAGES TO EXISTING UTILITIES CAUSED BY TRENCHING/BORING. REPAIRS MUST MEET THE APPROVAL OF EACH RESPECTIVE UTILITY PROVIDER.
8. CONTRACTOR RESPONSIBLE FOR BACKFILLING ALL TRENCHED AREAS BACK TO EXISTING CONDITION. SEE DETAIL 3/44-0007.
9. CONTRACTOR MUST MAINTAIN PROPER CLEARANCE REQUIREMENTS WITH EACH UTILITY. COORDINATE CLEARANCE REQUIREMENTS WITH EACH UTILITY / N.E.C. REQUIREMENTS.
10. ALL RACEWAYS TO BE CAPPED WITH PULL STRING & TRACER WIRE.
11. SEE DETAIL 5/44-0006 FOR TYPICAL DUCT BANK PROFILE.

LEGEND	
<div>PV</div>	UNDERGROUND PRIMARY VAULT FURNISHED AND INSTALLED BY DALTON UTILITIES. CONTRACTOR SHALL STUB UP AND CAP CONDUITS AT LOCATIONS INDICATED ON PLANS AND AS DIRECTED BY DALTON UTILITIES.
<div>T</div>	TRANSFORMER AND TRANSFORMER PAD FURNISHED AND INSTALLED BY DALTON UTILITIES. CONTRACTOR SHALL STUB UP AND CAP CONDUITS AT LOCATIONS INDICATED ON PLANS AND AS DIRECTED BY DALTON UTILITIES.
<div>CTC</div>	TERMINAL CABINET FURNISHED AND INSTALLED BY DALTON UTILITIES. CONTRACTOR SHALL STUB UP AND CAP CONDUITS AT LOCATIONS INDICATED ON PLANS AND AS DIRECTED BY DALTON UTILITIES.
<div>SB</div>	SPLICE BOX FURNISHED AND INSTALLED BY DALTON UTILITIES. CONTRACTOR SHALL STUB UP AND CAP CONDUITS AT LOCATIONS INDICATED ON PLANS AND AS DIRECTED BY DALTON UTILITIES.
<div>D</div>	TIER 22 FLUSH WITH GRADE PULL BOX FURNISHED AND INSTALLED BY CONTRACTOR FOR OPTILINK COMMUNICATIONS (DALTON UTILITIES). CONTRACTOR SHALL INSTALL AT LOCATIONS INDICATED ON PLANS AND AS DIRECTED BY DALTON UTILITIES. SEE DETAIL 4/44-0006 AND DETAIL 1/44-0007 FOR MORE DETAIL.
<div>C</div>	TIER 22 FLUSH WITH GRADE PULL BOX FURNISHED AND INSTALLED BY CONTRACTOR FOR CHARTER COMMUNICATIONS (SPECTRUM). CONTRACTOR SHALL INSTALL AT LOCATIONS INDICATED ON PLANS AND AS DIRECTED BY CHARTER COMMUNICATIONS. SEE DETAIL 4/44-0006 AND DETAIL 1/44-0007 FOR MORE DETAIL.
<div>W</div>	TIER 22 FLUSH WITH GRADE PULL BOX FURNISHED AND INSTALLED BY CONTRACTOR FOR WINDSTREAM COMMUNICATIONS. CONTRACTOR SHALL INSTALL AT LOCATIONS INDICATED ON PLANS AND AS DIRECTED BY WINDSTREAM COMMUNICATIONS. SEE DETAIL 4/44-0006 AND DETAIL 1/44-0007 FOR MORE DETAIL.
<div></div>	(2) RUNS OF 6" UTILITY GRADE CONDUIT WITH PULL STRING & 14 GAUGE TRACER WIRE MINIMUM 48" BELOW GRADE FOR DALTON UTILITIES PRIMARY CONDUCTORS. CONDUIT SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
<div></div>	(2) RUNS OF 4" CONDUIT WITH PULL STRING & 14 GAUGE TRACER WIRE MINIMUM 48" BELOW GRADE FOR COMMUNICATIONS PROVIDER CABLING. CONDUIT SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

GENERAL ELECTRICAL NOTES

1. THE CONTRACTOR IS RESPONSIBLE TO FURNISH ALL LABOR, EQUIPMENT, MATERIALS, AND SUPPLIES AS NECESSARY FOR A NEAT, COMPLETE, AND SATISFACTORY OPERATING ELECTRICAL SYSTEMS WHICH CONFORMS TO ALL LOCAL CODES, PLANS, AND SPECIFICATIONS.
2. ELECTRICAL CONTRACTOR SHALL REVIEW ENTIRE SET OF CONTRACT DOCUMENTS INCLUDING BUT NOT NECESSARILY LIMITED TO ALL CIVIL, ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND ENTIRE PROJECT MANUAL. ELECTRICAL CONTRACTOR SHALL ACKNOWLEDGE AND INCLUDE IN THE SCOPE OF WORK (CONTRACT) ALL CONDITIONS PERTINENT TO THE COMPLETION OF THE ELECTRICAL WORK. ELECTRICAL CONTRACTOR SHALL FULLY COORDINATE ELECTRICAL WORK WITH THE INSTALLATION OF WORK BY ALL OTHER TRADES AND MAKE NECESSARY FIELD ADJUSTMENTS AS REQUIRED TO ACCOMMODATE THE INSTALLATION. ALL OF THE ABOVE SHALL BE INCLUDED IN THE SCOPE OF WORK AT NO ADDITIONAL COST TO THE OWNER.
3. ELECTRICAL DRAWINGS ARE DIAGRAMMATIC IN NATURE, IT SHALL NOT BE THE INTENT OF ISSUED PLANS AND/OR SPECIFICATIONS TO SHOW EVERY MINOR DETAIL OF CONSTRUCTION. THE ELECTRICAL CONTRACTOR IS EXPECTED TO FURNISH AND INSTALL ALL NECESSARY ITEMS FOR A COMPLETE AND OPERATING SYSTEM.
4. ALL INSTALLATIONS SHALL CONFORM TO THE LATEST EDITION OF ENFORCED INTERNATIONAL BUILDING CODE AND NFPA-70 AT THE TIME OF PERMIT.
5. EACH BIDDER SHALL VISIT THE JOB SITE PRIOR TO BIDDING TO FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS AND TO ASCERTAIN THE EXTENT OF WORK REQUIRED. FAILURE TO VISIT SITE SHALL NOT EXCUSE CONTRACTOR FROM PERFORMING REQUIRED WORK NOR SHALL IT BE AN ACCEPTABLE REASON FOR REQUESTING ADDITIONS TO THE CONTRACT.
6. ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND SHALL BE LISTED BY AN AGENCY SUCH AS UNDERWRITER'S LABORATORIES (UL), ELECTRICAL TESTING LABORATORY (ETL), ETC AND ACCEPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION. FOR THE USE INTENDED WHERE A STANDARD FOR SUCH MATERIALS AND USE EXISTS. ALL ITEMS OF THE SAME TYPE AND RATING SHALL BE IDENTICAL AND OF THE SAME MANUFACTURER.
7. THE WORD "PROVIDE" MEANS THAT THIS CONTRACTOR SHALL FURNISH, FABRICATE, ERECT, CONNECT, AND COMPLETELY INSTALL SYSTEMS IN PROPER OPERATING CONDITION. ALL LABOR, PRODUCT OPTIONS, ACCESSORIES AND INCIDENTAL MATERIALS REQUIRED SHALL BE INCLUDED AS PART OF THIS WORK TO COMPLETE THE INSTALLATION.
8. ALL ELECTRICAL CONNECTIONS WILL BE CODE COMPLIANT WITH N.E.C.
9. SUBSURFACE CONDUIT SHALL BE HDPE. FOR RUNS GREATER THAN 50 FEET IN LENGTH, VERTICAL TURN UPS SHALL BE GRS SWEEP 90S WITH A BITUMASTIC COATING UNO.
10. CONTRACTOR SHALL REPAIR ANY DISTURBED AREA TO SAME COMPACTION, GRADE, SLOPE, ETC. AS ORIGINAL AREA INCLUDING REPLACEMENT OF SOD, GRASS, ROCK, GRAVEL, RIP-RAP, ETC. TO THE SATISFACTION OF THE OWNER AND ENGINEER.
11. CONTRACTOR SHALL REPAIR AND PATCH ALL WALLS, FLOORS, PENETRATIONS, ETC. TO MATCH THE ADJACENT SURFACE WHERE EQUIPMENT IS BEING REMOVED OR IF NECESSARY FOR THE INSTALLATION OF NEW EQUIPMENT UNDER THIS CONTRACT.
12. ANY AREA OF CONSTRUCTION DAMAGED DURING THIS CONTRACT SHALL BE REPAIRED TO MATCH ADJACENT SURFACES.
13. WITHIN ALL AREAS OF WORK, ALL UNUSED OR ABANDONED ELECTRICAL CONDUIT, CONDUCTORS, FITTINGS AND SUPPORTS SHALL BE REMOVED.
14. REMOVE ANY SPILLED DIRT, CONCRETE, ETC. FROM ANY DRIVEWAYS, ROADWAYS OR CONSTRUCTION SITE AS DIRECTED BY ARCHITECTURAL INSPECTOR.
15. CLEAN UP ALL DEBRIS AROUND CONSTRUCTION SITE DAILY.
16. CONTRACTOR SHALL ENSURE THAT NEC CLEARANCE REQUIREMENTS ARE MET FOR ALL UNDERGROUND CONDUITS.

ELECTRICAL DEMOLITION NOTES

1. PARTIAL AND TOTAL DEMOLITION OF PORTIONS SHALL BE PERFORMED ALONG WITH ALL NECESSARY MODIFICATIONS TO THAT PORTION OF THE EXISTING BUILDING WHICH SHALL REMAIN SO THAT IT CONTINUES TO FUNCTION UNAFFECTED BY THE DEMOLITION AND ASSOCIATED NEW CONSTRUCTION.
2. WHERE INCLUDED AS PART OF THE CONTRACT DOCUMENTS, THE DRAWINGS INDICATE THE GENERAL AREAS OF WORK INVOLVED. HOWEVER, THE ELECTRICAL CONTRACTOR SHALL PERFORM WORK OUTSIDE THOSE AREAS SHOWN AS IS NECESSARY TO COMPLY WITH THE INTENT OF THIS SECTION.
3. THE ELECTRICAL CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH THE EXISTING BUILDING AND WITH THE WORK OF ALL OTHER TRADES AND INCLUDE ALL WORK NECESSARY TO COMPLY WITH THE INTENT OF THE DEMOLITION.
4. IT SHALL BE UNDERSTOOD THAT FIELD CONDITIONS MAY BE ENCOUNTERED DURING THE EXECUTION OF THIS CONTRACT WHICH WILL REQUIRE EXTENSION OR RELOCATION OF EXISTING SYSTEMS OR EQUIPMENT WHICH ARE NOT SPECIFICALLY SHOWN ON THE DRAWINGS, BUT WHICH ARE REQUIRED TO MEET THE STATED INTENT THAT THE BUILDING CONTINUE TO FUNCTION UNAFFECTED BY THE DEMOLITION AND ASSOCIATED NEW CONSTRUCTION. THE ELECTRICAL CONTRACTOR SHALL INCLUDE SUCH WORK AS WOULD NORMALLY BE EXPECTED IN AN EXISTING BUILDING OF THIS AGE AND TYPE.
5. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL TOOLS, EQUIPMENT, LABOR, ETC. IN ORDER TO ACCOMPLISH THE DEMOLITION PORTION OF THE PROJECT.
6. THE DEMOLITION OF CERTAIN AREAS OF THE EXISTING BUILDING SHALL BE PERFORMED BY THE GENERAL CONTRACTOR. IT SHALL BE THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH THE GENERAL CONTRACTOR TO DIFFERENTIATE THE SCOPE OF WORK BETWEEN SEPARATE TRADES.
7. THE ELECTRICAL CONTRACTOR SHALL INCLUDE COORDINATION WITH THE GENERAL CONTRACTOR AND SUCH DEMOLITION OF THE EXISTING ELECTRICAL SYSTEMS AS IS NECESSARY SO THAT THE DEMOLITION WORK OF THE GENERAL CONTRACTOR SHALL NOT DAMAGE THOSE PORTIONS OF THE ELECTRICAL SYSTEMS WHICH ARE TO REMAIN IN SERVICE, ARE TO BE REUSED, OR ARE TO BECOME THE PROPERTY OF THE OWNER.
8. TURN OVER TO OWNER, UPON REQUEST OR AS NOTED, ITEMS SHOWN AS BEING REMOVED AND NOT REINSTALLED. ITEMS NOT DIRECTED OR REQUESTED TO BE TURNED OVER TO THE OWNER SHALL BE DISPOSED OF BY THE ELECTRICAL CONTRACTOR.
9. EQUIPMENT OR MATERIALS WHICH ARE TO BE REUSED OR TURNED OVER TO THE OWNER SHALL BE CAREFULLY REMOVED, CLEANED, AND STORED IN A CLEAN AND DRY AREA. SHOULD THE ELECTRICAL CONTRACTOR ENCOUNTER SUCH EQUIPMENT WHICH IS NOT IN SATISFACTORY CONDITION FOR REUSE AND NOT IN WORKING ORDER, THE ELECTRICAL CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER IMMEDIATELY.
10. DISCONNECT ELECTRICAL SERVICES TO ALL EQUIPMENT REQUIRING REMOVAL. CONDUIT SHALL BE REMOVED BACK TO THE POINT WHERE IT WILL BE CONCEALED AT THE COMPLETION OF THIS CONTRACT. WIRE AND CABLE SHALL BE REMOVED BACK TO THE FIRST OUTLET BOX, CABINET, OR TERMINATION POINT WHICH IS TO REMAIN. CIRCUITS WHICH ARE NOT REUSED SHALL BE REMOVED BACK TO THE SOURCE IN THEIR ENTIRETY.
11. REMOVE AND REINSTALL CEILINGS IN THE EXISTING BUILDING AS REQUIRED FOR THE WORK. COORDINATE WITH THE GENERAL CONTRACTOR. IN SUCH AREAS, REMOVE AND REINSTALL ALL ELECTRICAL DEVICES WHICH ARE TO REMAIN IN OR ON THE CEILING.
12. WHERE NEW CEILINGS CONFLICT WITH EXISTING ELECTRICAL WORK WHICH IS TO REMAIN, RELOCATE THE ELECTRICAL WORK INVOLVED TO CLEAR THE NEW CONSTRUCTION.
13. WHERE NEW WALL OR FLOOR FINISHES CONFLICT WITH EXISTING ELECTRICAL WORK WHICH IS TO REMAIN, RELOCATE THE ELECTRICAL WORK INVOLVED OR PROVIDE BOX EXTENSIONS OR SIMILAR DEVICES AND REINSTALL ON THE NEW FINISH.
14. WHERE EXISTING BRANCH CIRCUITS AND SYSTEMS ARE INTERRUPTED BY NEW WORK OR SYSTEMS (ELECTRICAL, MECHANICAL, PLUMBING, FIRE PROTECTION, ETC.), EXTEND AND RECONNECT THOSE CIRCUITS AND SYSTEMS. WHERE THOSE CIRCUITS OR SYSTEMS MUST REMAIN IN SERVICE DURING THE EXECUTION OF THIS CONTRACT, PROVIDE TEMPORARY CONNECTIONS UNTIL FINAL CONNECTIONS ARE COMPLETE.



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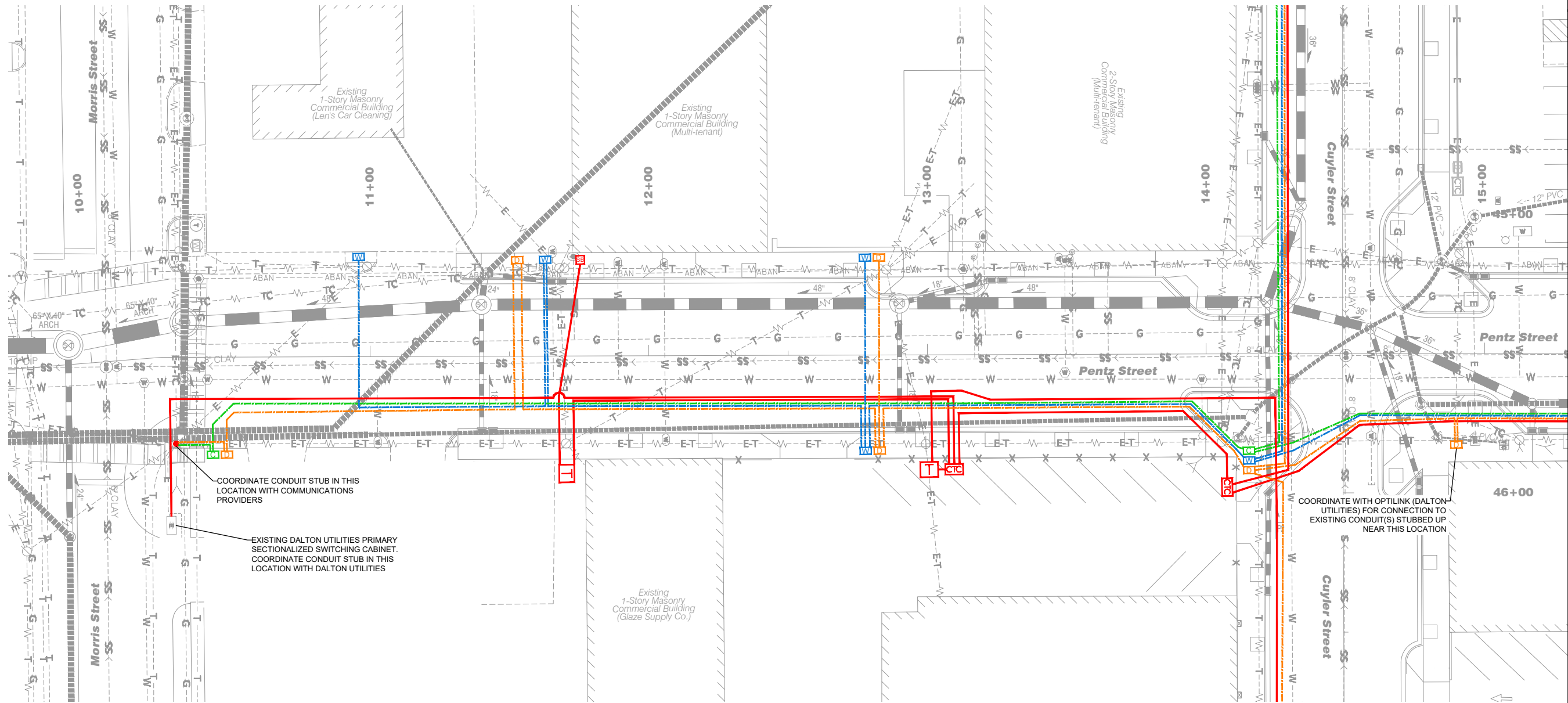
GENERAL NOTES

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MATCH LINE STA. 15+30.00 DRAWING No. 44-0002



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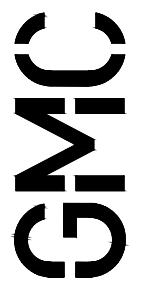


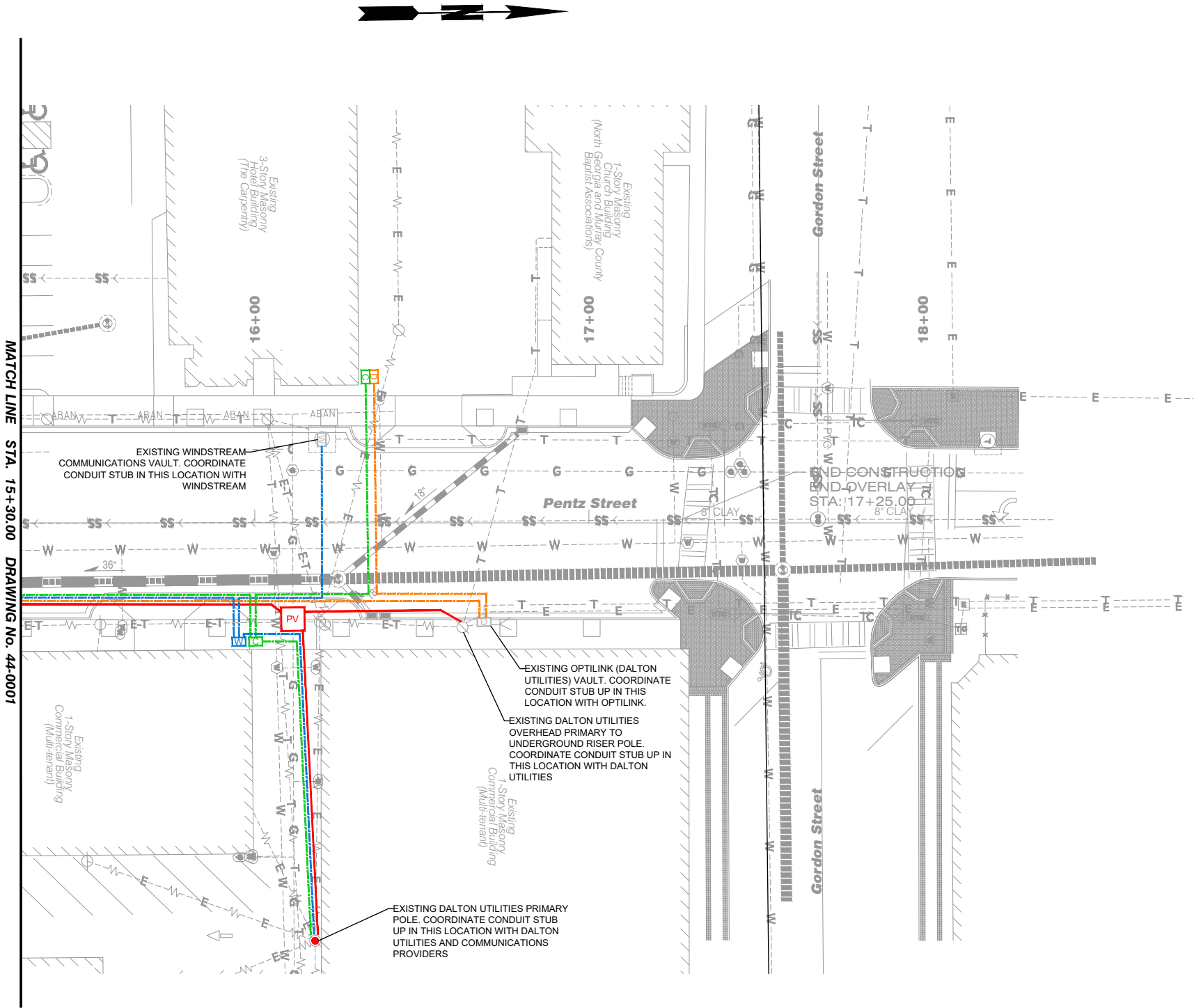
**DUCT BANK
SITE PLAN**

DRAWING NO.
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DUCT BANK
SITE PLAN

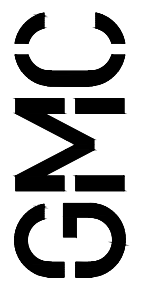
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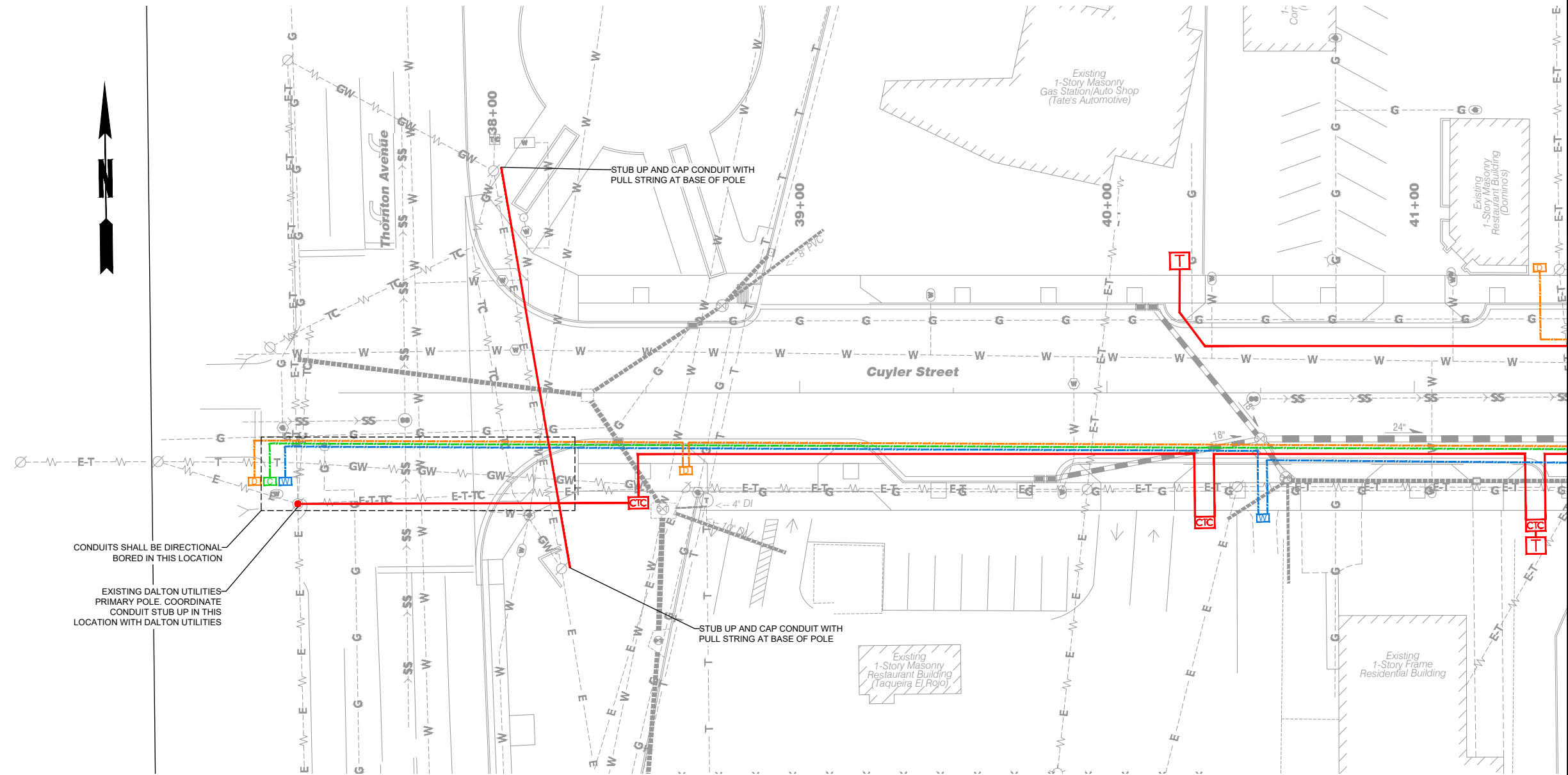
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CONDUITS SHALL BE DIRECTIONAL-BORED IN THIS LOCATION

EXISTING DALTON UTILITIES-PRIMARY POLE. COORDINATE CONDUIT STUB UP IN THIS LOCATION WITH DALTON UTILITIES



MATCH LINE STA. 41+50.00 DRAWING No. 44-0004



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Whitfield County, Georgia



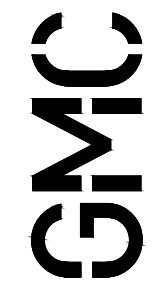
DUCT BANK
SITE PLAN

DRAWING NO.
44-0003

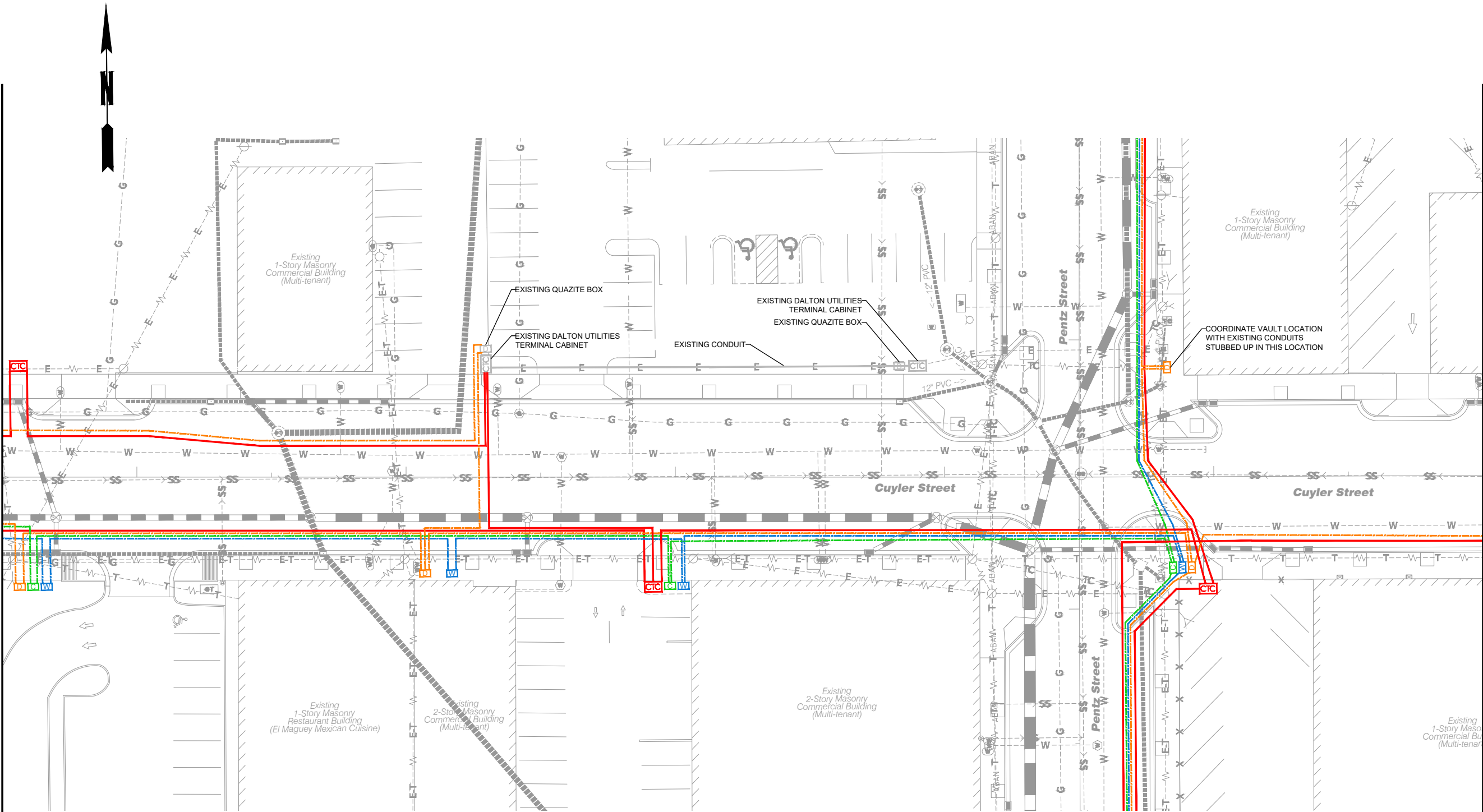
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MATCH LINE STA. 41+50.00 DRAWING No. 44-0003



MATCH LINE STA. 47+00.00 DRAWING No. 44-0005

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**Streetscape Improvements on
Pentz Street & Cuyler Street**
In the City of Dalton
Whitfield County, Georgia

**DUCT BANK
SITE PLAN**

DRAWING NO.
44-0004

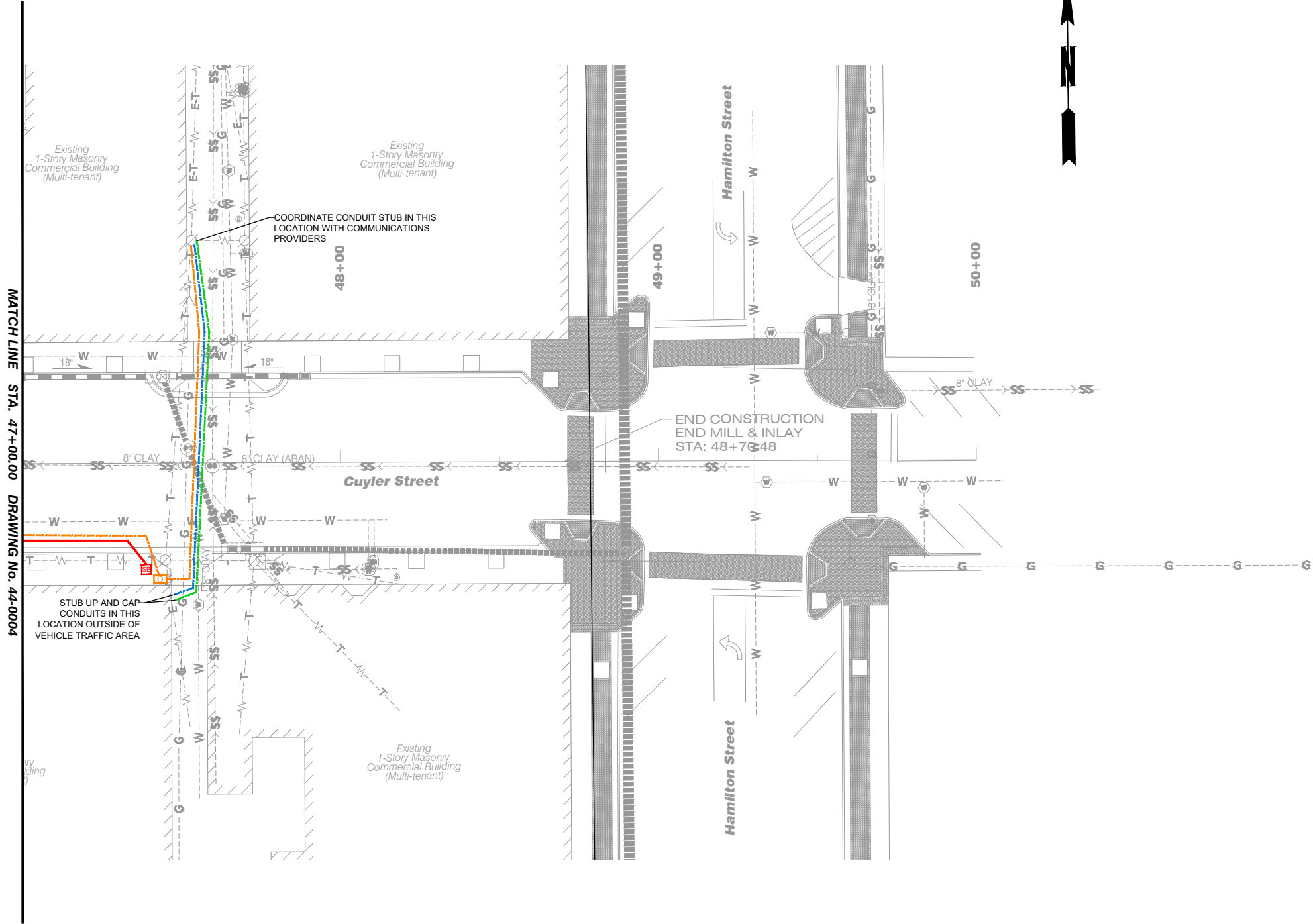
SCALE IN FEET

GMC # TATL220003

GMC

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ISSUE	DATE
30% Review	
PPFR (60%)	
PPFR (90%)	
FINAL (100%)	



MATCH LINE STA. 47+00.00 DRAWING NO. 44-0004

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**DUCT BANK
SITE PLAN**

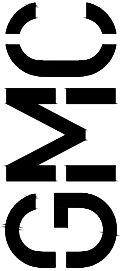
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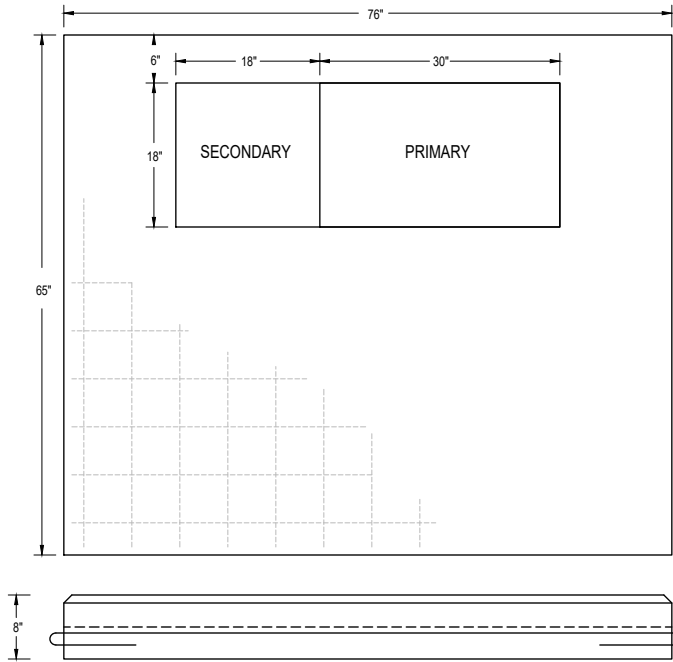
**Streetscape Improvements on
Pentz Street & Cuyler Street**
In the City of Dalton
Whitfield County, Georgia

GMC # TATL220003

ISSUE	DATE
30% Review	
PPFR (60%)	
PPFR (90%)	
FINAL (100%)	

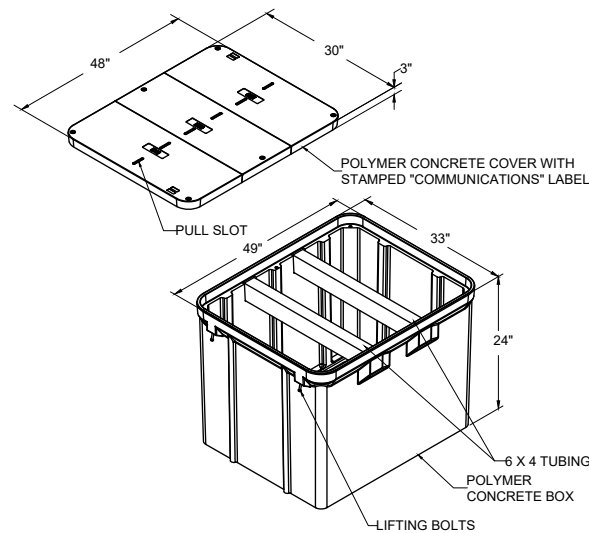
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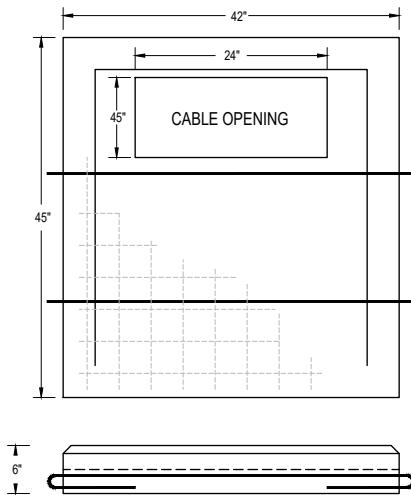
GENERAL NOTE:
1. CONCRETE PAD BY UTILITY COMPANY.
2. COORDINATE TRANSFORMER PAD SIZE AND REQUIREMENTS WITH UTILITY COMPANY.

1 76" X 65" TRANSFORMER PAD DETAIL
44-0006 DIAGRAMMATIC



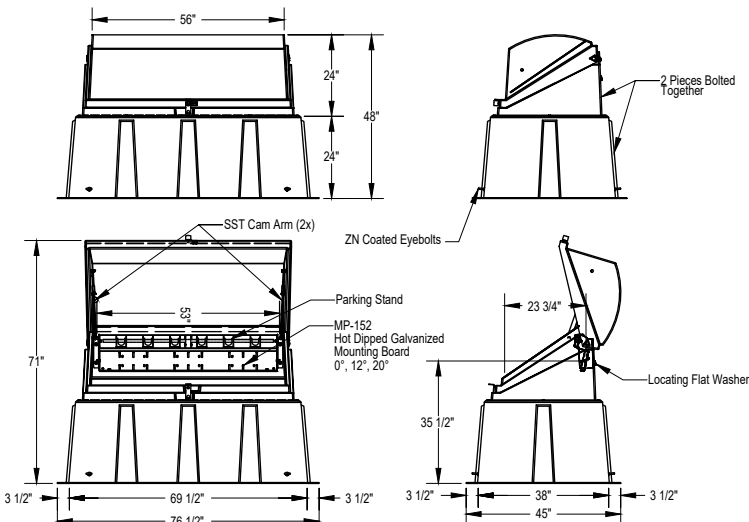
GENERAL NOTE:
1. 30" X 48" X 24" TIER 22 QUAZITE BOX, MODEL #PG3048BA24. COORDINATE WITH COMMUNICATIONS PROVIDERS FOR ADDITIONAL REQUIREMENTS.

4 TIER 22 QUAZITE BOX
DETAIL - FOR COMMUNICATIONS
44-0006 DIAGRAMMATIC



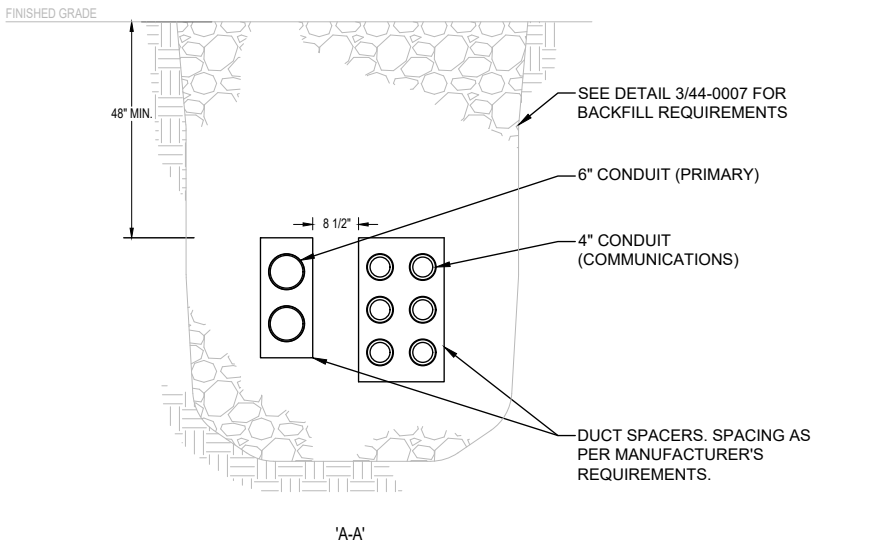
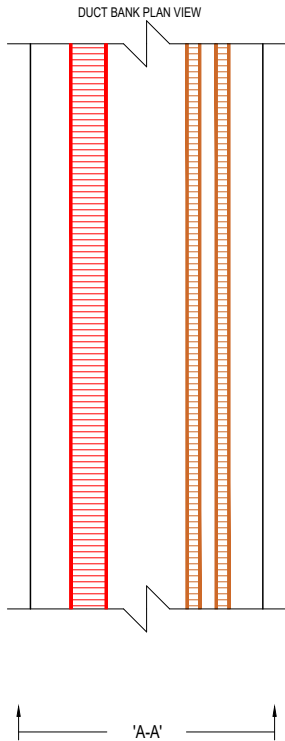
GENERAL NOTE:
1. CONCRETE PAD BY UTILITY COMPANY.
2. COORDINATE TRANSFORMER PAD SIZE AND REQUIREMENTS WITH UTILITY COMPANY.

2 42" X 45" TRANSFORMER PAD DETAIL
44-0006 DIAGRAMMATIC



GENERAL NOTE:
1. THREE PHASE CABINET BY DALTON UTILITIES. COORDINATE CONDUIT STUB UP REQUIREMENTS WITH DALTON UTILITIES.

3 NORDIC THREE PHASE CABINET DETAIL
44-0006 DIAGRAMMATIC



GENERAL NOTE:
1. UTILITY PRIMARY CONDUIT SYSTEM IS 2 PARALLEL RUNS OF 6" HDPE PER CIRCUIT WITH LONG SWEEP ELBOWS. (4" IN CERTAIN LOCATIONS - SEE PLANS).
2. COMMUNICATIONS CONDUIT SYSTEM IS 6 PARALLEL RUNS OF 2" HDPE CONDUIT (2 CONDUITS PER COMMUNICATIONS COMPANY).
3. MINIMUM 3" CLEAR BETWEEN ALL CONDUITS.
4. DUCT BANK MINIMUM 48" BELOW FINISH GRADE.
5. MINIMUM 12" SPACING BETWEEN UTILITY PRIMARY AND COMMUNICATIONS CONDUITS.

5 DUCTBANK DETAIL
44-0006 DIAGRAMMATIC



TYPICAL DUCT BANK SPACER @ 8' O.C.



Streetscape Improvements on
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Whitfield County, Georgia

DUCT BANK
DETAILS

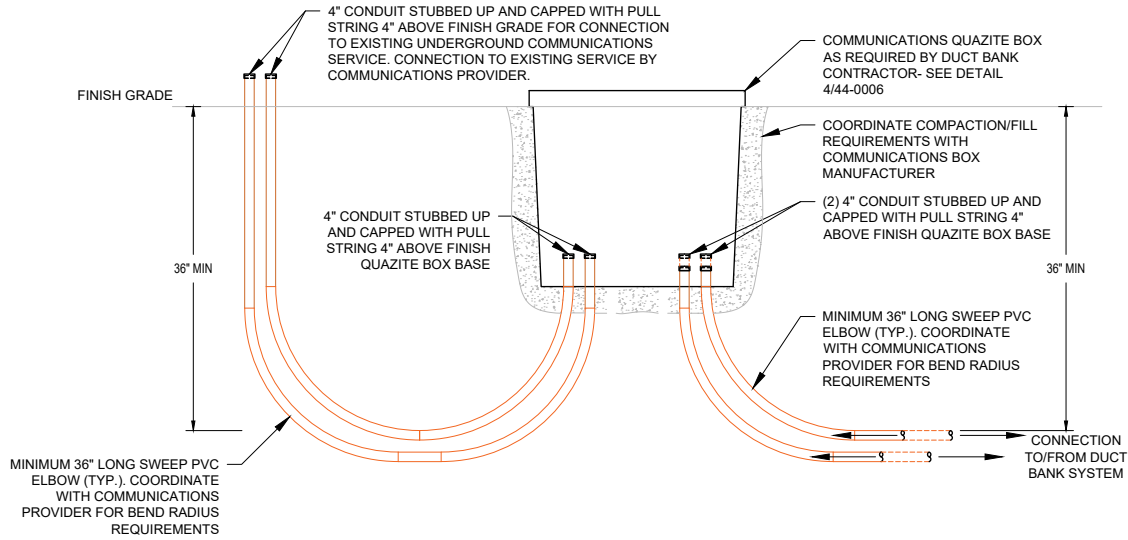
DRAWING NO.
44-0006

ISSUE	DATE
30% Review	
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PPFR (80%)	
FINAL (100%)	

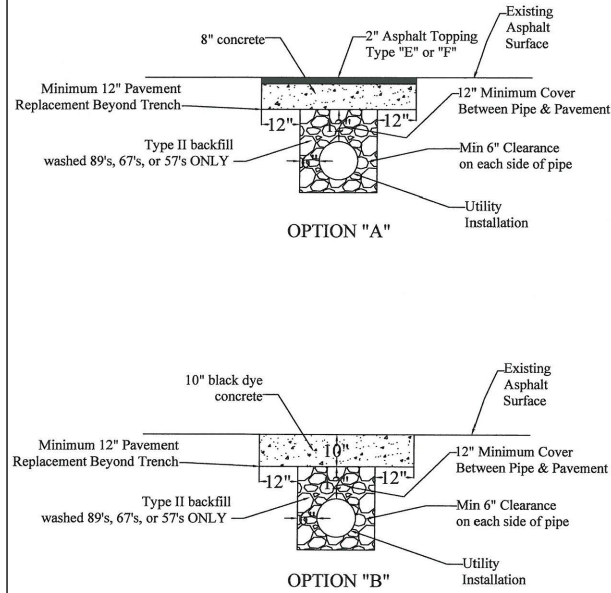
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1 COMMUNICATIONS VAULT SECTION DETAIL
44-0007 DIAGRAMMATIC



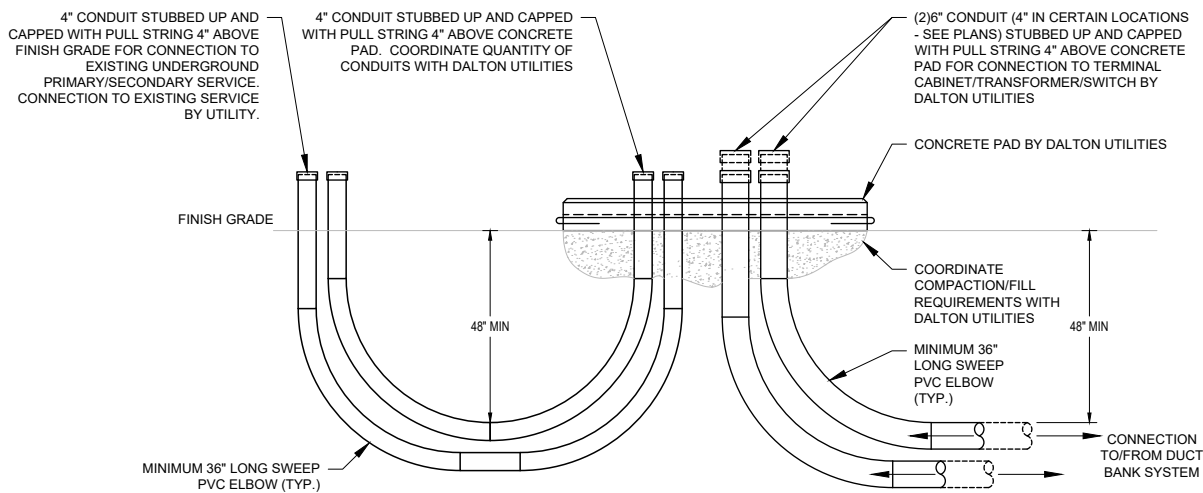
Finish Tolerance of Surface Shall be +/- 1/4" as measured with straight edge from asphalt edge to asphalt edge

GENERAL NOTE:
1. DETAIL PROVIDED BY CITY OF DALTON, GA.
2. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE CITY OF DALTON AND ALL RELATED CODE REQUIREMENTS.



PUBLIC WORKS DEPARTMENT
STREET CUT
Typical Section
DRAWN BY: JEP
SCALE: 1"=1'-0"
DATE: 01/05/2024

3 STREET CUT SECTION
44-0007 DIAGRAMMATIC



2 PRIMARY PAD SECTION DETAIL
44-0007 DIAGRAMMATIC



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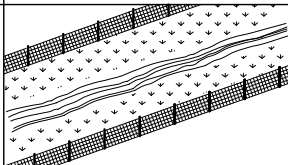

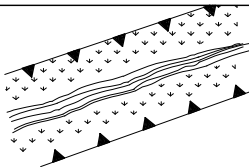

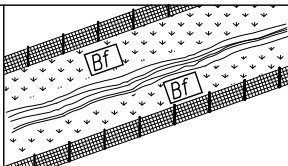
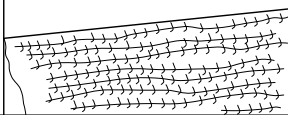

ISSUE	DATE
30% Review	
PPFR (60%)	
PPFR (90%)	
FINAL (100%)	

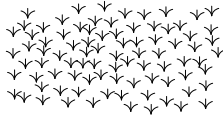



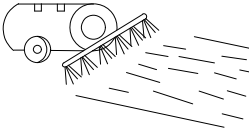

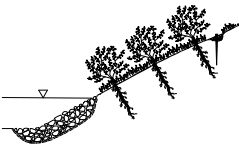

Streetscape Improvements on
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In the City of Dalton
Whitfield County, Georgia
GMC # TATL220003

**DUCT BANK
DETAILS**

DRAWING NO.



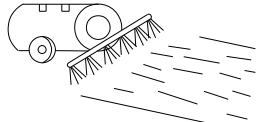



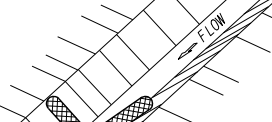

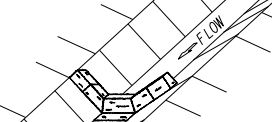

44-0007

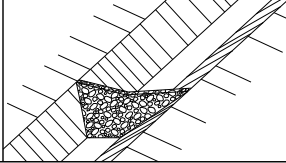

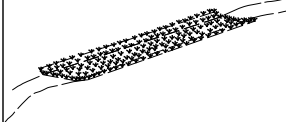

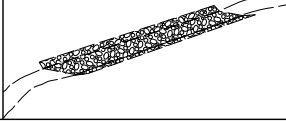
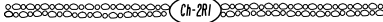
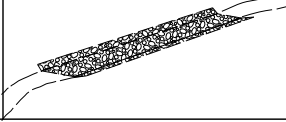
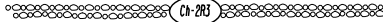
CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
	ORANGE BARRIER FENCE		ORANGE BARRIER FENCE DELINEATES ENVIRONMENTALLY SENSITIVE AREAS WHERE THE CONTRACTOR SHALL NOT CLEAR, GRUB, OR PLACE CONSTRUCTION MATERIALS OR EQUIPMENT WITHIN THIS AREA.
	LINE CODE  ORANGE BARRIER FENCE		
ESA	ENVIRONMENTALLY 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.		
<div>Bf</div>	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 <div>Bf</div>		
<div>Ds1</div>	MULCH SECTION 163		THIS IS AN APPLICATION OF STRAW MULCH USED TO REDUCE SOIL EROSION AND STABILIZE THE SOIL. IT IS USED TO CONTROL EROSION IN AREAS WHERE PERMANENT VEGETATION IS OUT OF SEASON OR TO TEMPORARILY STABILIZE AREAS PRIOR TO FINAL GRADING. MULCHING REQUIREMENTS ARE ADDRESSED BY STANDARD SPECIFICATIONS AND/OR THE PROJECT ENGINEER. THE BMP SYMBOL FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.
	SYMBOL <div>Ds1</div>		
<div>Ds2</div>	TEMPORARY GRASSING SECTION 163,700		THE SOWING OF A QUICK GROWING SPECIES OF GRASS SUITABLE TO THE AREA AND SEASON. IT IS TYPICALLY USED TO CONTROL EROSION IN AREAS LONGER THAN MULCHING IS EXPECTED TO LAST. TEMPORARY GRASSING SHOULD BE USED ON ALL PROJECTS ACCORDING TO THE STANDARD SPECIFICATIONS. THE BMP SYMBOL FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.
	SYMBOL <div>Ds2</div>		

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ds3	PERMANENT GRASSING SECTION 700		THE SOWING OF PERMANENT VEGETATION, SUCH AS GRASS, SUITABLE TO THE AREA AND SEASON. PERMANENT VEGETATION SHALL BE USED ON ALL PROJECTS ACCORDING TO THE STANDARD SPECIFICATION. THE BMP SYMBOL FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.
	SYMBOL 		
Ds4	SODDING CONSTRUCTION DETAIL D-54 SECTION 700, 890		THE INSTALLATION OF A SPECIES OF GRASS SODDING SUITABLE TO THE AREA AND SEASON TO PROVIDE IMMEDIATE PERMANENT VEGETATION. SODDING MAY BE SHOWN FOR HIGHLY SENSITIVE AREAS, TO IMPROVE AESTHETICS, OR FOR SPECIAL PLANTING REQUIREMENTS ON THE BASIS OF ENVIRONMENTAL COMMITMENTS OR LANDSCAPING REQUIREMENTS. THE BMP PATTERN FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.
	PATTERN 		
F1-Co	FLOCCULANTS COAGULANTS SECTION 163, 700, 895		FLOCCULANTS AND COAGULANTS ARE USED TO SETTLE SUSPENDED SEDIMENT, HEAVY METALS, AND HYDROCARBONS (TSS) IN SLOW MOVING RUNOFF FROM CONSTRUCTION SITES FOR WATER CLARIFICATION. ANIONIC POLYACRYLAMIDES (PAM) MAY BE USED IN CONJUNCTION WITH BMPs WITHIN CHANNELS UPSTREAM OF A POST-CONSTRUCTION POND, TEMPORARY SEDIMENT BASIN, OR TEMPORARY SEDIMENT TRAP. FLOCCULANTS SHALL NOT BE USED DOWNSTREAM OF AFOREMENTIONED BMPs! FLOCCULANTS/COAGULANTS ARE TO BE SHOWN ON PLANS WITH APPLICABLE BMP IF NEEDED. PAYMENT FOR PAM AS A FLOCCULANT WILL BE INCLUDED IN THE PRICE FOR THE INSTALLATION AND/OR MAINTENANCE OF THE BMP IT IS USED IN CONJUNCTION WITH. NO SEPARATE PAYMENT WILL BE MADE.
	SYMBOL  POLYACRYLAMIDE		
Sb	STREAMBANK STABILIZATION SECTION 702		STREAMBANK STABILIZATION IS THE USE OF READILY AVAILABLE NATIVE PLANT MATERIALS TO MAINTAIN AND ENHANCE STREAMBANKS, OR TO PREVENT, OR RESTORE AND REPAIR SMALL STREAMBANK EROSION PROBLEMS. STREAMBANK STABILIZATION AREAS SHOULD BE SHOWN ON THE PLANS WHEN APPLICABLE TO THE PROJECT. REFER TO THE PROJECT'S STREAM AND STREAM BUFFER MITIGATION PLANS FOR PLANT SPECIES, LOCATIONS, AND OTHER PLANTING DETAILS.
	PATTERN 		

NOTE:

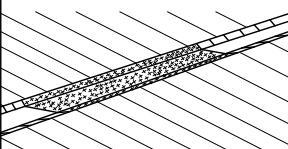
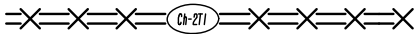
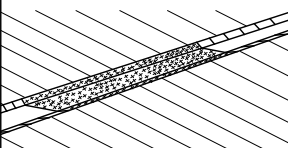
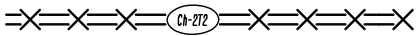
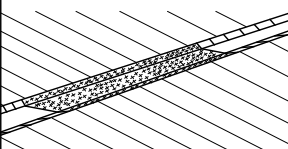
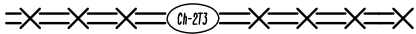
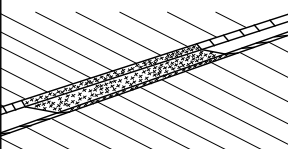
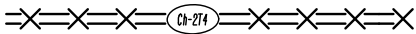
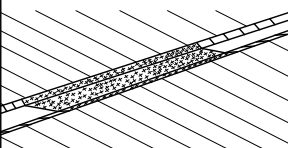
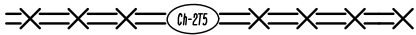
- DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
- FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S,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

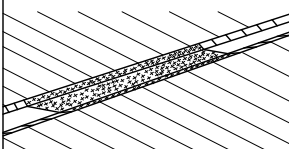
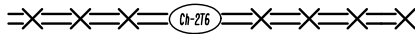
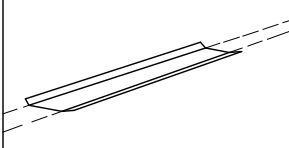

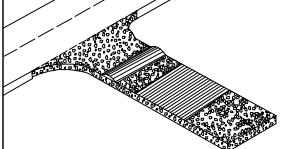

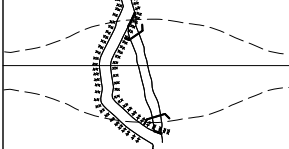

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ss	SLOPE STABILIZATION CONSTRUCTION DETAIL D-35 SECTION 716		SLOPE STABILIZATION (EROSION CONTROL MATTING) IS A PROTECTIVE COVERING USED TO PREVENT EROSION AND ESTABLISH TEMPORARY OR PERMANENT VEGETATION ON STEEP SLOPES, SHORE LINES, OR CHANNELS. 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 SPLASHPAD. 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-1	VEGETATED CHANNEL STABILIZATION SECTION 700		A NEW OR EXISTING CHANNEL MAY BE LINED WITH PERMANENT VEGETATION ONLY FOR VELOCITIES UP TO 5.0 fps. THIS MEASURE SHALL BE DESIGNED IN ACCORDANCE WITH THE GDOT CHANNEL LINING DESIGN PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED. TYPICALLY NOT SHOWN IN PLANS.
		LINE CODE 	
Ch-2R1	CHANNEL STABILIZATION RIP-RAP, TYPE 1 CONSTRUCTION DETAIL D-49 SECTION 603		THIS ITEM CONSISTS OF LINING A CHANNEL WITH TYPE 1 RIP-RAP 24" THICK (UNLESS SPECIFIED OTHERWISE) PLACED ON TOP OF A GEOTEXTILE UNDERLINER. THE RIP-RAP SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
		LINE CODE 	
Ch-2R3	CHANNEL STABILIZATION RIP-RAP, TYPE 3 CONSTRUCTION DETAIL D-49 SECTION 603		THIS ITEM CONSISTS OF LINING A CHANNEL WITH TYPE 3 RIP-RAP 24" THICK (UNLESS SPECIFIED OTHERWISE) PLACED ON TOP OF A GEOTEXTILE UNDERLINER. THE RIP-RAP SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
		LINE CODE 	

NOTE:

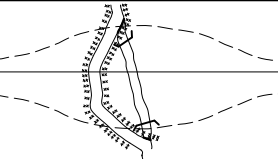
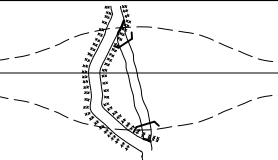
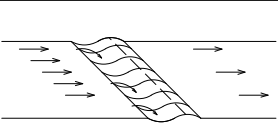

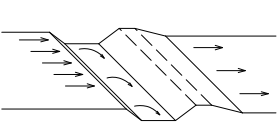
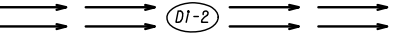
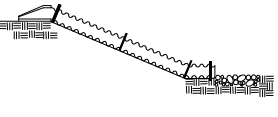
- DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
- FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S,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

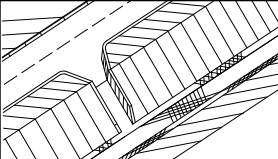
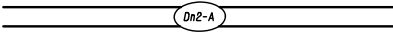
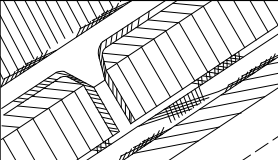
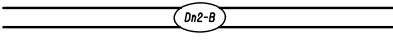
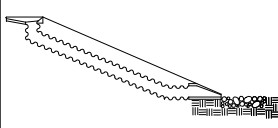
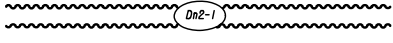
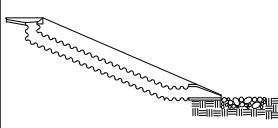
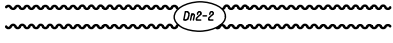
CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ch-2T1	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711		THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-2 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM.
	LINE CODE		"Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
Ch-2T2	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711		THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-4 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM.
	LINE CODE		"Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
Ch-2T3	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711		THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-6 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM.
	LINE CODE		"Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
Ch-2T4	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711		THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-8 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM.
	LINE CODE		"Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
Ch-2T5	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711		THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-10 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM.
	LINE CODE		"Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ch-2T6	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711		THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-12 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM.
	LINE CODE		"Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
Ch-3	CONCRETE CHANNEL STABILIZATION CONSTRUCTION DETAIL D-10, D-49 SECTION 441		CHANNELS ARE LINED WITH CONCRETE FOR VELOCITIES >= 10 fps. THIS ITEM CONSISTS OF CONSTRUCTING A 4" THICK CONCRETE CHANNEL. THE CONCRETE SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM.
	LINE CODE		"Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN. RIP-RAP SHOULD BE USED TO DISSIPATE ENERGY DOWNSTREAM OF CONCRETE LINED CHANNELS.
Co	CONSTRUCTION EXIT CONSTRUCTION DETAIL D-41 SECTION 163,800		A CONSTRUCTION EXIT IS A STONE STABILIZED PAD THAT REDUCES OR ELIMINATES THE TRANSPORT OF MUD FROM CONSTRUCTION AREAS ONTO PUBLIC ROADS BY EQUIPMENT OR RUNOFF. BEST USED AT ACCESS POINTS, I.e. NEW LOCATION PROJECTS, BORROW PITS, WASTE PITS, ACCESS ROADS, ETC. SHOULD BE MINIMUM 20' WIDE, 50' LONG, 6" THICK, AND REQUIRES A GEOTEXTILE UNDERLINER. ON SITES WHERE THE GRADE TOWARD A PAVED AREA IS GREATER THAN 2%, A FULL WIDTH DIVERSION RIDGE 6" TO 8" HIGH WITH 3:1 SLOPES SHALL BE CONSTRUCTED APPROXIMATELY 15' UPSTREAM OF PAVED AREA. A TIRE WASHING AREA TO REMOVE MUD MAY ALSO BE REQUIRED PRIOR TO ENTRANCE ONTO PUBLIC ROADWAYS.
	SYMBOL		ALL CONSTRUCTION EXIT REQUIREMENTS ARE INCLUDED IN THE PRICE OF THE CONSTRUCTION EXIT.
Dc-A	STREAM DIVERSION CHANNEL GEOTEXTILE, POLYETHYLENE FILM SECTION 163		A TEMPORARY CHANNEL CONSTRUCTED TO CONVEY FLOW AROUND A CONSTRUCTION SITE WHILE A PERMANENT DRAINAGE STRUCTURE IS BEING CONSTRUCTED IN A NATURAL STREAM. THIS IS A MEASURE USED TO PROTECT STREAM BEDS FROM EROSION. LINE THE CHANNEL WITH GEOTEXTILE OR POLYETHYLENE FILM. INSTALL TWO ROWS OF Sd1-S PARALLEL TO THE CHANNEL TO PREVENT SEDIMENT LADEN RUNOFF FROM ENTERING THE STREAM. THE SIZE OF THE CHANNEL WILL DEPEND ON THE DISCHARGE, CHANNEL GEOMETRY, CHANNEL SLOPE AND ROUGHNESS. IT IS ACCEPTABLE FOR VELOCITIES BETWEEN 0 - 2.5 fps.
	LINE CODE		THE DRAINAGE AREA SHALL BE NOT GREATER THAN 1 SQUARE MILE. CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE.

NOTE:

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

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 —D—D—D—Dc-B—D—D—D—		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 —D—D—D—Dc-C—D—D—D—		THE DRAINAGE AREA SHALL BE NOT GREATER THAN 1 SQUARE MILE. CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE.
DI-1	DIVERSION BERM CONSTRUCTION DETAIL D-47 SECTION 205		A NON-DESIGNED TEMPORARY EARTHEN BERM WITH A COMPACTED SUPPORTING RIDGE ON THE LOWER SIDE TO BE USED AT THE EDGE OF EMBANKMENT DURING THE GRADING OPERATION. THE BERMS ARE ALSO CONSTRUCTED ABOVE, ACROSS OR BELOW A SLOPE TO REDUCE THE LENGTH OF A SLOPE. THEY ARE USED TO INTERCEPT RUNOFF, PREVENTING SLOPE EROSION AND TO DIRECT THE RUNOFF TO A STABLE OUTLET, DOWN DRAINS "Dn1" OR CATCHMENT AREAS AND ON ALL GRADING PROJECTS.
	LINE CODE 		
DI-2	DIVERSION CHANNEL SECTION 205		A DESIGNED TEMPORARY OR PERMANENT CHANNEL WITH A COMPACTED SUPPORTING RIDGE ON THE LOWER SIDE TO DIVERT OFFSITE RUNOFF AWAY FROM DISTURBED AREAS WITHIN THE PROJECT AREA. CHANNEL FOR OFFSITE RUNOFF SHALL BE STABILIZED WITH APPROPRIATE CHANNEL STABILIZATION.
	LINE CODE 		REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA. A DIVERSION CHANNEL DETAIL MUST ALSO BE PROVIDED IN THE ESPCP. RUNOFF FROM DISTURBED AREAS WITHIN THE PROJECT AREA SHALL NOT BE ALLOWED TO CONVERGE WITH OFFSITE RUNOFF WITHIN THIS DIVERSION.
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 —T—T—T—Dn1—T—T—T—		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 		

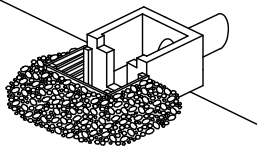
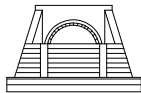


NOTE:

- 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".

NO SCALE

REVISION DATES			EROSION CONTROL LEGEND		
3/2/2017			UNIFORM CODE SHEET		
			SHEET 4 OF 7		
CHECKED:	D. EAGLETON	DATE: 01/01/16	DRAWING No.		
BACKCHECKED:		DATE:			
CORRECTED:		DATE:			
VERIFIED:		DATE:	52-0004		


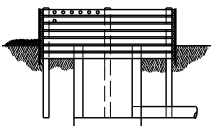





CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Fr	FILTER RING CONSTRUCTION DETAIL D-46 SECTION 163		A TEMPORARY STONE BARRIER CONSTRUCTED AT DRAINAGE STRUCTURE INLETS AND POST-CONSTRUCTION POND OUTLETS. IT REDUCES RUNOFF VELOCITY AND HELPS PREVENT SEDIMENT FROM LEAVING SITE PRIOR TO PERMANENT 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 		

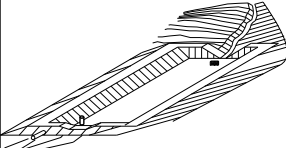
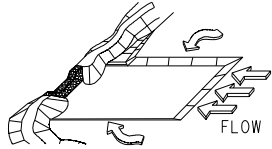
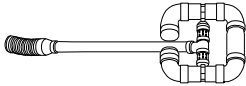
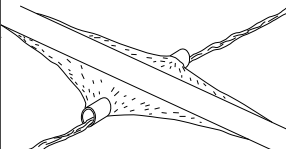
CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Rt-B	RETROFITTING SLOTTED BOARD DAM CONSTRUCTION DETAIL D-45 SECTION 163		A SLOTTED BOARD DAM CONSISTS OF STONE AND/OR FILTER FABRIC AND BOARDS WITH 0.5' - 1.0' SPACING TO SERVE AS A TEMPORARY SEDIMENT FILTER. PERMANENT STORMWATER DETENTION POND 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 <div>Rt-B</div>		
Rt-Sg1	RETROFITTING SILT CONTROL GATES CONSTRUCTION DETAIL D-20 SECTION 163		A SILT CONTROL GATE CONSISTS OF BOARDS WITHOUT SPACING AND FILTER FABRIC TO BE USED FOR TEMPORARY SEDIMENT STORAGE ON ROADWAY PROJECTS AT THE INLET OF STRUCTURES WITH A DRAINAGE AREA UP TO 50 ACRES. THE DISTURBED AREA WITHIN THE DRAINAGE AREA SHALL NOT EXCEED 5 ACRES. SILT CONTROL GATES SHOULD NOT BE USED ALONE, BUT WITH ANOTHER BMP DOWNSTREAM PRIOR TO DISCHARGE LEAVING PROJECT AREA. DO NOT USE SILT GATES IN STATE WATERS. Rt-Sg1=TYPE 1: USED ON BOX CULVERTS Rt-Sg2=TYPE 2: USED ON STRAIGHT HEADWALLS Rt-Sg3=TYPE 3: USED ON FLARED END SECTIONS AND TAPERED HEADWALLS
		FRONT VIEW	
		SYMBOL <div>Rt-Sg1</div> <div>Rt-Sg2</div> <div>Rt-Sg3</div>	
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 <div>— A — A — A — SdI-NS — A — A — A —</div>	
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 <div>— C — C — C — SdI-S — C — C — C —</div>	

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".

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		
CORRECTED:		DATE:				
VERIFIED:		DATE:				

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Sd1-BB	SEDIMENT BARRIER BRUSH BARRIER CONSTRUCTION DETAIL D-24B SECTION 201		THIS ITEM CONSISTS OF 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-42 SECTION 163		BLOCK AND GRAVEL DROP INLET PROTECTION USED FOR WHERE HEAVY FLOWS ARE EXPECTED AND WHERE OVERFLOW CAPACITY IS NECESSARY TO PREVENT EXCESSIVE PONDING AROUND THE STRUCTURE. CAN BE USED AT CULVERT INLETS. A GUIDE FOR USE WILL BE FOR AN INLET RECEIVING FLOW RATES THAT RANGE FROM 5 - 7 cfs.
	SYMBOL Sd2-Bg		
Sd2-F	INLET SEDIMENT TRAP (FILTER FABRIC) CONSTRUCTION DETAIL D-24C SECTION 163	 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!

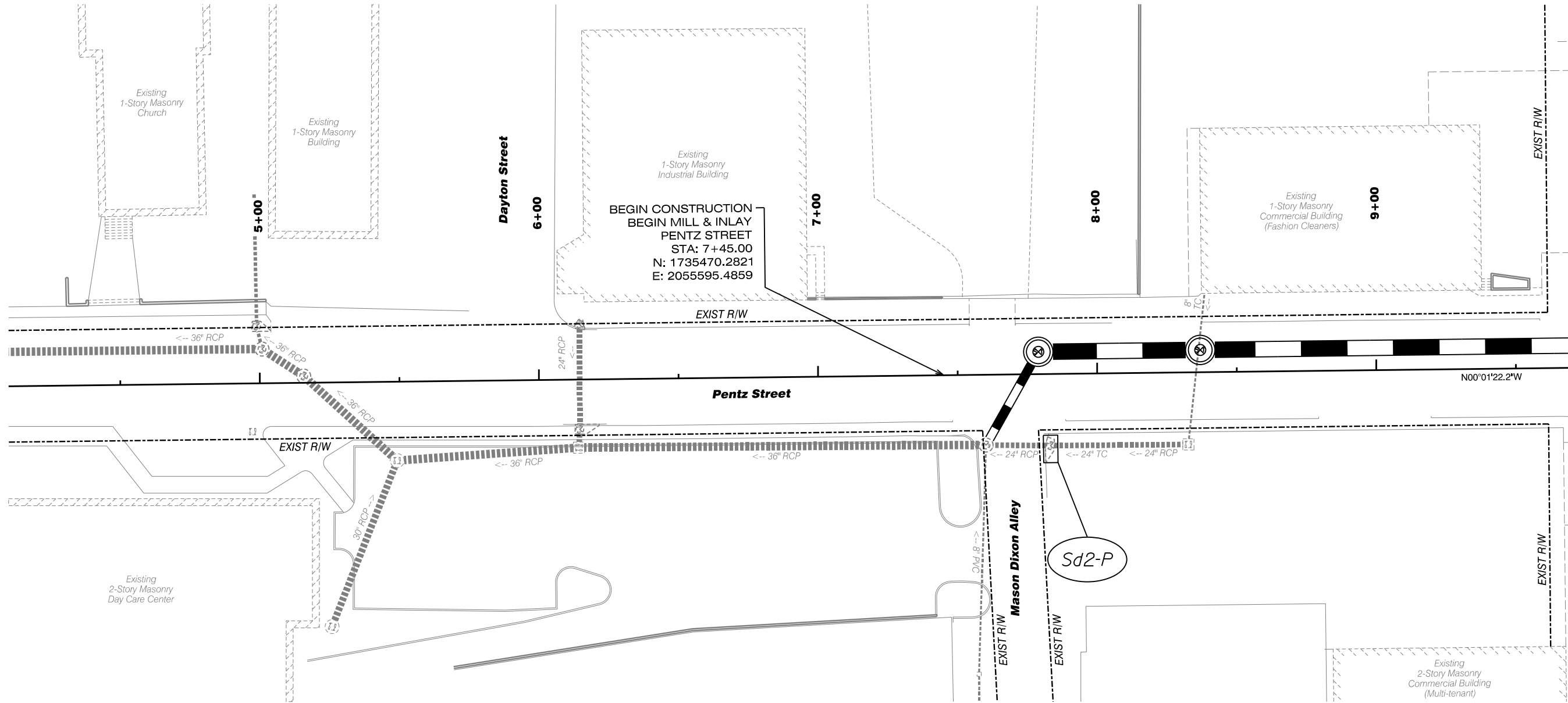
NOTE:

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>

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".

REVISION DATES			EROSION CONTROL LEGEND UNIFORM CODE SHEET SHEET 7 OF 7			
3/2/2017						
			CHECKED:	D. EAGLETON	DATE: 01/01/16	DRAWING No. 52-0007
			BACKCHECKED:		DATE:	
			CORRECTED:		DATE:	
			VERIFIED:		DATE:	



MATCH LINE STA. 09+70.00 DRAWING No. 54-0002

Streetscape Improvements on
Pentz Street & Cuyler Street

In the City of Dalton
Whitfield County, Georgia

GMC # TATL220003

ISSUE	DATE
30% Review	
PPR (60%)	
PPR (90%)	
FINAL (100%)	

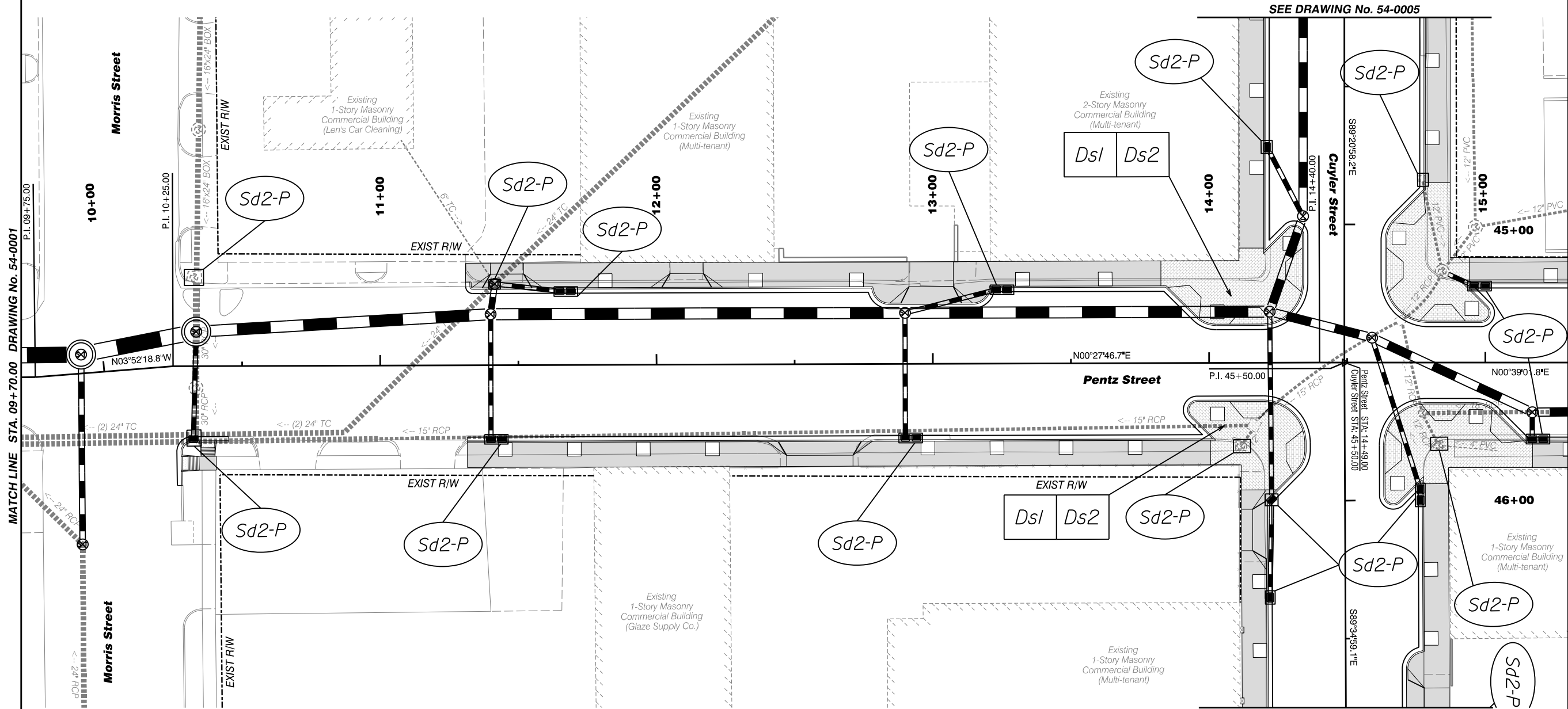
6120 Powers Ferry Road NW, Suite 350
Atlanta, GA 30339
T 770.952.2481
GMCNETWORK.COM



PENTZ STREET
BMP Location
Layout
04+10 to 09+70

DRAWING NO.
54-0001





Streetscape Improvements on
Pentz Street & Cuyler Street
In the City of Dalton
Whitfield County, Georgia

PENTZ STREET

BMP Location
Layout
09+70 to 15+30



ISSUE	DATE
30% Review	
PPFR (60%)	
PPFR (90%)	
FINAL (100%)	

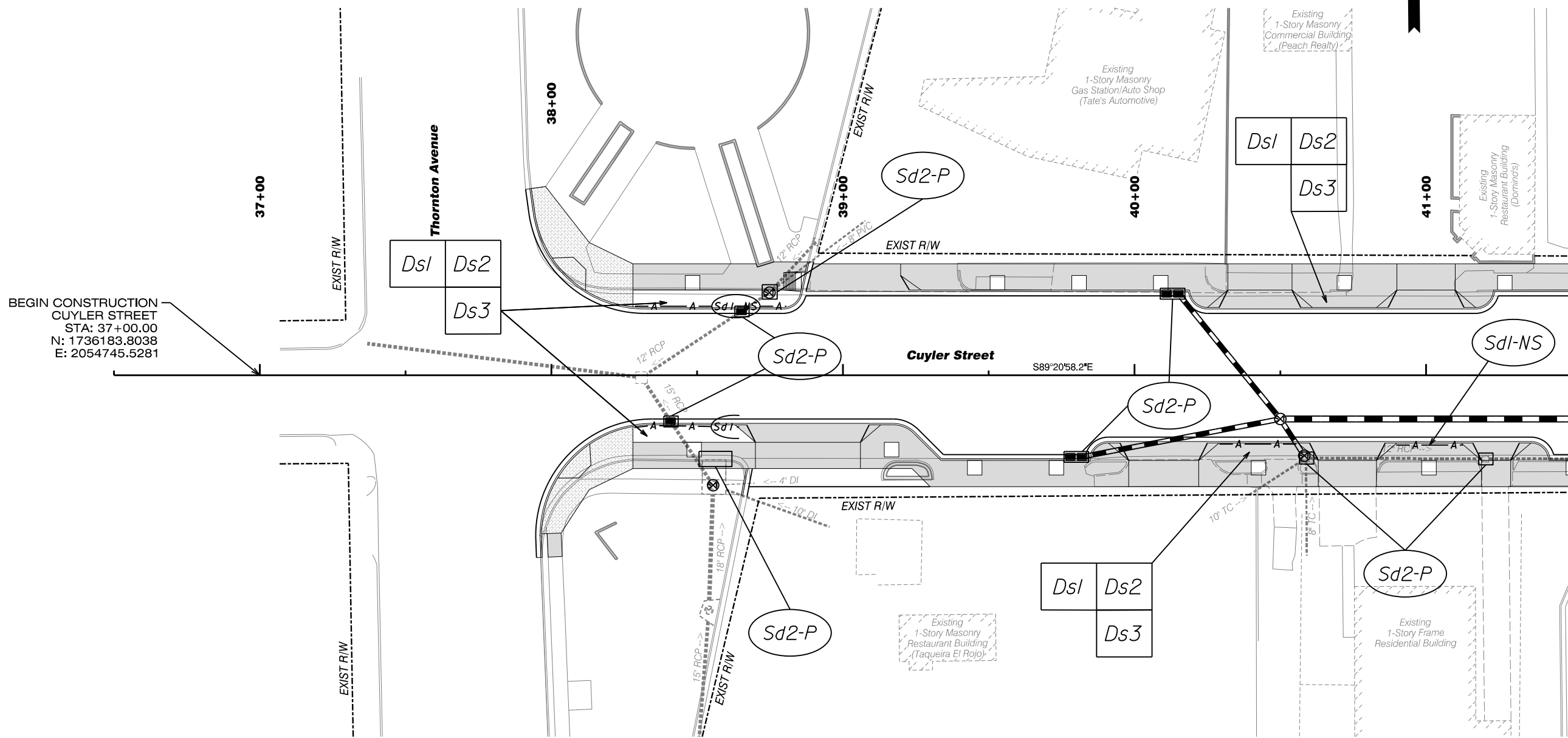
6120 Powers Ferry Road NW, Suite 350
Atlanta, GA 30339
T 770.952.2481
GMCNETWORK.COM



GMC # TATL220003

DRAWING NO.

54-0002



BEGIN CONSTRUCTION
CUYLER STREET
STA: 37+00.00
N: 1736183.8038
E: 2054745.5281

MATCH LINE STA. 41+50.00 DRAWING No. 54-0005

Streetscape Improvements on
Pentz Street & Cuyler Street
In the City of Dalton
Whitfield County, Georgia

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ISSUE	DATE
30% Review	
PPPR (60%)	
FFPR (90%)	
FINAL (100%)	

SCALE IN FEET

0 20 40

CUYLER STREET

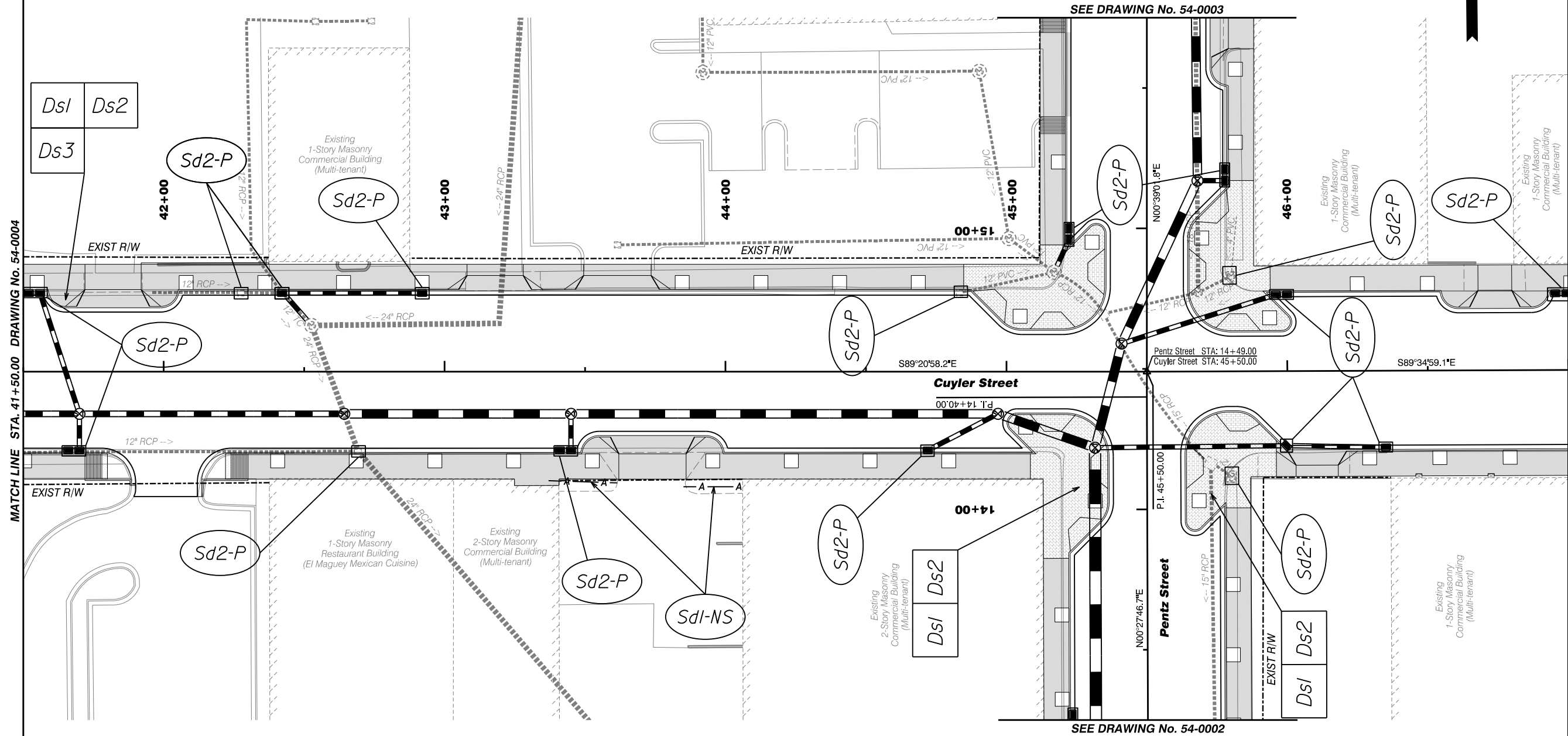
BMP Location
Layout
36+50 to 41+50

DRAWING NO.

54-0004

GMC

GMC # TATL220003



MATCH LINE STA. 41+50.00 DRAWING No. 54-0004

MATCH LINE STA. 47+00.00 DRAWING No. 54-0006



CUYLER STREET

**BMP Location
Layout
41+50 to 47+00**

DRAWING NO.
54-0005

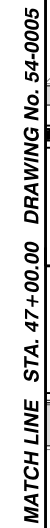
**Streetscape Improvements on
Pentz Street & Cuyler Street**
In the City of Dalton
Whitfield County, Georgia

ISSUE	DATE
30% Review	
PFP (60%)	
PFP (90%)	
FINAL (100%)	

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GMC # TATL220003

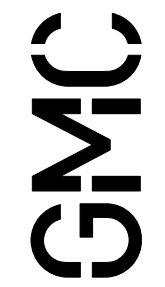


DRAWING NO.
54-0006

GMC # TATL220003

ISSUE	DATE
30% Review	
PFPR (60%)	
FFPR (90%)	
FINAL (100%)	

6120 Powers Ferry Road NW, Suite 350
Atlanta, GA 30339
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PURPOSE: 1. TO PREVENT THE MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES

2. PREVENT THE MOVEMENT OF AIRBORNE SUBSTANCES THAT MAY BE HARMFUL TO HEALTH.

INSTALLATION: 1. APPLY ACCORDINGLY TO APPROVED PLAN, IF SHOWN.

2. MULCH DISTURBED AREAS AND TACKIFY WITH RESINS SUCH AS ASPHALT, CURASOL OR TERRATAK ACCORDING TO MANUFACTURERS RECOMMENDATIONS

3. STABILIZE DISTURBED AREAS WITH TEMPORARY OR PERMANENT VEGETATION.

4. IRRIGATE DISTURBED AREAS UNTIL SURFACE IS WET.

5. COVER SURFACES WITH CRUSHED STONE OR GRAVEL.

6. APPLY CALCIUM CHLORIDE AT A RATE TO KEEP SURFACE MOIST.

7. APPLY SPRAY-ON ADHESIVES TO MINERAL SOILS (NOT MUCK SOILS) AS DESCRIBED IN TABLE 1

ANIONIC ASPHALT EMULSION	7:1	COARSE SPRAY	1,200
LATEX EMULSION	12.5:1	FINE SPRAY	235
RESIN-IN-WATER EMULSION	4:1	FINE SPRAY	300

MAINTENANCE: 1. PROHIBIT TRAFFIC ON SURFACE AFTER SPRAYING.

2. SUPPLEMENTAL SURFACE COVERING AS NEEDED.

REFERENCES: 1. Ds1

2. Ds2

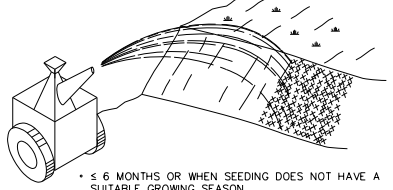
3. Ds3

4. Ds4

Du

DUST CONTROL ON
DISTURBED AREAS

A TEMPORARY COVER OVER BASE AREAS TO PREVENT EROSION AND REDUCE RUNOFF; TO CONSERVE MOISTURE; TO PREVENT SURFACE COMPACTION OR CRUSTING; TO CONTROL UNDESIRABLE VEGETATION; TO MODIFY SOIL TEMPERATURE AND TO INCREASE BIOLOGICAL ACTIVITY IN THE SOIL.



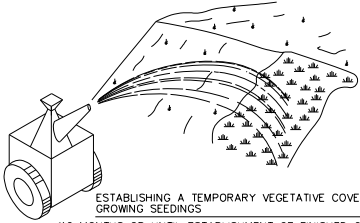
• ≤ 6 MONTHS OR WHEN SEEDING DOES NOT HAVE A SUITABLE GROWING SEASON

MATERIAL	RATE
STRAW OR HAY	2" to 4" DEEP
WOOD WASTE, CHIPS, SAWDUST OR BARK	2"-3" DEEP (ABOUT 6 TO 9 TONS/ACRE)
POLYETHYLENE FILM	COMPLETELY COVER AREA

• MAY BE NECESSARY TO ANCHOR

(Ds1)

DISTURBED AREA
STABILIZATION
(WITH MULCHING ONLY)



ESTABLISHING A TEMPORARY VEGETATIVE COVER WITH FAST GROWING SEEDINGS

- 12 MONTHS OR UNTIL ESTABLISHMENT OF FINISHED GRADE OR PERMANENT VEGETATION
- SITE PREPARATION
 - GRADING AND SHAPING
 - SEED BED PREPARATION
 - APPLY LIME AND FERTILIZER
 - PLANT SEEDING, SELECT SPECIES BY SEASON AND REGION
 - APPLY MULCHING MATERIAL IF NEEDED
 - IRRIGATE IF NEEDED BUT NOT AT A RATE TO CAUSE EROSION
- PLANTING DATES DEPEND ON SPECIES AND REGION (MOUNTAIN, PIEDMONT OR COASTAL)

PLANTING RATES AND PLANTING DATES FOR TEMPORARY COVER

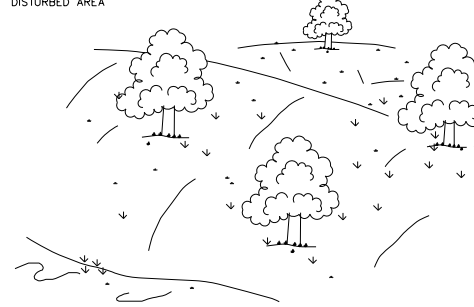
SPECIES	RATE PER 1,000 SQ. FT.	RATE PER ACRE	PLANTING DATES		
			MOUNTAINS	PIEDMONT	COASTAL
RYE	3.9 LB.	3 BU. (168 LBS)	8/15-10/31	9/15-11/30	10/1-12/31
RYEGRASS ANNUAL	0.9 LB.	40 LBS.	8/15-11/15	9/1-12/15	9/15-12/31
ANNUAL LESPEDEZA	0.9 LB.	40 LBS.	3/1-3/31	3/1-3/31	2/1-2/28
WEeping LOVEGRASS	0.1 LB.	4 LBS.	4/1-5/31	4/1-5/31	3/1-5/31
SUDANGRASS	1.4 LB.	60 LBS.	5/1-7/31	5/1-7/31	4/1-7/31
BROWNTOP MILLET	0.9 LB.	40 LBS.	4/15-6/15	4/15-6/30	4/15-6/30
WHEAT	4.1 LB.	3 BU. (180 LBS)	9/15-11/30	10/1-12/15	10/15-12/31

UNUSUAL SITE CONDITIONS MAY REQUIRE HEAVIER SEEDING RATES. SEEDING DATES MAY NEED TO BE ALTERED TO FIT TEMPERATURE VARIATIONS AND LOCAL CONDITIONS.

Ds2

(Ds2) DISTURBED AREA
STABILIZATION
(WITH TEMPORARY SEEDINGS)

ESTABLISHING A PERMANENT VEGETATIVE COVER AS A DISTURBED AREA



• APPLICABLE ON HIGHLY ERODIBLE OR SEVERELY ERODED AREAS, SOMETIMES CALLED "CRITICAL AREAS" INCLUDING:

- CUT OR FILL SLOPES
- EARTH SPILLWAYS
- BORROW AREAS
- CHANNEL BANKS
- BERMS
- ROADSIDES
- SPOIL AREAS
- GULLED LANDS

• GRADING AND SHAPING REQUIRED WHERE FEASIBLE AND PRACTICAL

• SEED BED PREPARATION

- NOT REQUIRED IF USING HYDRAULIC SEEDING AND FERTILIZING
- WHEN REQUIRED

SLOPE	SEED BED
3:1 OR FLATTER	2-4" DEEP
2:1 TO 3:1	1" TO 4" DEEP
2:1 OR STEEPER	DEPRESSIONS EVERY 6" TO 8" APART WITH HAND TOOL

• HAVE SOIL ANALYZED FOR LIME AND FERTILIZER RATE

• MULCH SHALL BE APPLIED TO COVER 90% OF THE SOIL SURFACES.

• ANCHOR MULCH IMMEDIATELY

PERMANENT GRASSING

GRASS SEED ON LEVEL OR SLIGHTLY SLOPING GROUND SHALL CONSIST OF THE FOLLOWING FOR THE PLANTING DATES SPECIFIED:

(A) MARCH 1 TO JUNE 30

COMMON BERMUDA (HULLED)	10 LBS/ACRE
TALL FESCUE	50 LBS/ACRE

(B) AUGUST 1 TO NOVEMBER 1

TALL FESCUE	50 LBS/ACRE
COMMON BERMUDA (UNHULLED)	10 LBS/ACRE

(C) NOVEMBER 1 TO MARCH 1

COMMON BERMUDA (UNHULLED)	10 LBS/ACRE
---------------------------	-------------

PERMANENT GRASSING

GRASS SEED ON LEVEL OR SLOPES 3:1 OR STEEPER AND INFREQUENTLY MOWED AREAS SHALL CONSIST OF THE FOLLOWING FOR THE PLANTING DATES SPECIFIED:

(A) MARCH 1 TO JUNE 15

WEeping LOVEGRASS	4 LBS/ACRE
SERICA LESPEDEZA (SCARIFIED)	60 LBS/ACRE

(B) AUGUST 1 TO NOVEMBER 1

TALL FESCUE	50 LBS/ACRE
SERICA LESPEDEZA (UNSCARIFIED)	75 LBS/ACRE

(C) NOVEMBER 1 TO MARCH 1

COMMON BERMUDA (UNHULLED)	10 LBS/ACRE
SERICA LESPEDEZA (UNSCARIFIED)	75 LBS/ACRE

WHEN AS DIRECTED BY THE ENGINEER, SEED OF AN APPROVED QUICK GROWING SPECIES OF GRASS, SUCH AS RYE, ITALIAN RYE, MILLET OR OTHER CEREAL GRASS, SHALL BE APPLIED AT A RATE OF 30 LBS/ACRE IN CONJUNCTION WITH AND IN ADDITION TO THE SEED MIXTURE SPECIFIED ABOVE.

Ds3

(Ds3) DISTURBED AREA
STABILIZATION
(WITH PERMANENT VEGETATION)

FERTILIZER

COMMERCIAL FERTILIZER SHALL COMPLY WITH THE STATE FERTILIZER LAWS AND SHALL BE OF AN ACCEPTED AND APPROVED COMMERCIAL BRAND. FERTILIZER SHALL BE A READY MIXED MATERIAL CONTAINING THE SOIL NUTRIENTS AS SPECIFIED AND IN A SUITABLE FORM COMPATIBLE WITH THE EQUIPMENT USED TO ACHIEVE UNIFORM DISTRIBUTION OF THE FERTILIZER. THE FERTILIZER MIXTURE SHALL CONTAIN THE FOLLOWING NUTRIENTS, EXPRESSED IN PERCENT OF THE TOTAL WEIGHT: 6% NITROGEN 12% AVAILABLE PHOSPHORIC ACID, AND 12% WATER SOLUBLE POTASH (6-12-12) ANALYSIS. CONTAINER TAGS SHALL HAVE THE NAME AND ADDRESS OF THE MANUFACTURER, THE BRAND NAME, NET WEIGHT, AND CHEMICAL COMPOSITION OF ANALYSIS. FERTILIZER SHALL BE APPLIED AT THE RATE OF 1,500 LBS PER ACRE AT THE TIME OF SEEDING.

LIME

AGRICULTURAL DOLOMITIC LIME SHALL BE A PULVERIZED LIMESTONE HAVING A CALCIUM CARBONATE EQUIVALENT CONTENT OF NOT LESS THAN 90% OF THE TOTAL MATERIAL SHALL PASS A 10-MESH SIEVE AND AT LEAST 25% SHALL PASS A 100-MESH SIEVE. LIME SHALL BE APPLIED AS INDICATED BY THE SOIL TEST, OR THE RATE OF 1 TO 2 TONS PER ACRE.

WATER

THE WATER USED IN THE GRASSING OPERATIONS MAY BE OBTAINED FROM ANY APPROVED SPRING, POND, LAKE, STREAM, OR MUNICIPAL WATER SYSTEM. THE WATER SHALL BE FREE OF EXCESS AND HARMFUL CHEMICALS, ACIDS, ALKALIZES, OR ANY SUBSTANCE WHICH MIGHT BE HARMFUL TO PLANT GROWTH.

WATERING MAINTENANCE AND RESEEDING

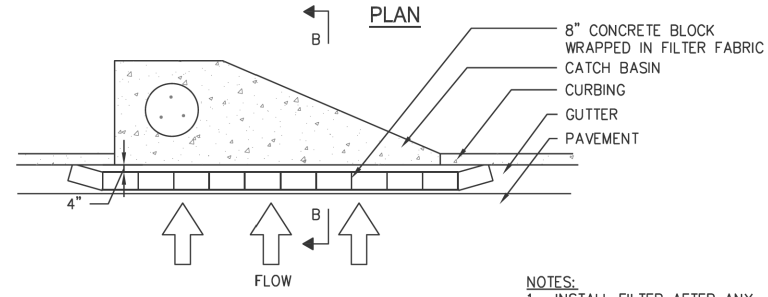
CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE PROPER MOISTURE CONTENT OF THE SOIL TO INSURE ADEQUATE PLANT GROWTH UNTIL A SATISFACTORY STAND OF GRASS IS OBTAINED. WATERING SHALL BE PERFORMED TO MAINTAIN AN ADEQUATE WATER CONTENT IN THE SOIL.

THE CONTRACTOR SHALL MOW AND MAINTAIN ALL SEEDDED AREAS WITHOUT ADDITIONAL PAYMENT UNTIL FINAL ACCEPTANCE OF THE WORK BY THE OWNER, AND ANY REGRADING, REFERTILIZING, RELIMING, RESEEDING OR REMULCHING SHALL BE DONE AT HIS OWN EXPENSE. SEEDING WORK SHALL BE REPEATED ON DEFECTIVE AREAS UNTIL A SATISFACTORY UNIFORM STAND OF GRASS IS ACCOMPLISHED. DAMAGE RESULTING FROM EROSION, GULLIES, WASHOUTS, OR OTHER CAUSES SHALL BE REPAIRED BY FILLING WITH TOPSOIL, COMPACTING, AND PREPARING THE SEEDING WORK AT HIS EXPENSE.

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. ADDITIONAL EROSION AND SEDIMENT CONTROL WILL BE INSTALLED IF DEEMED NECESSARY BY ON-SITE INSPECTION.

THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES SHALL BE INSTALLED PRIOR TO OR CONCURRENT WITH LAND DISTURBING ACTIVITIES.

CURB INLET FILTER "PIGS IN BLANKET"



PLAN

8" CONCRETE BLOCK WRAPPED IN FILTER FABRIC

CATCH BASIN

CURBING

GUTTER

PAVEMENT

4"

FLOW

SECTION B-B

PAVEMENT

GUTTER

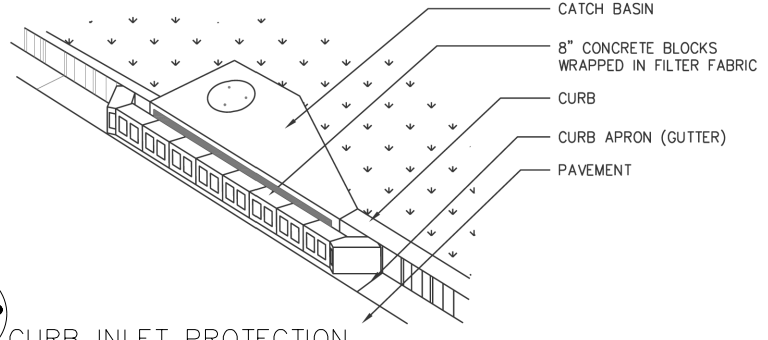
8" CONCRETE BLOCK WRAPPED IN FILTER FABRIC

CATCH BASIN

4"

NOTES:

1. INSTALL FILTER AFTER ANY ASPHALT PAVEMENT INSTALLATION.
2. WRAP 8" CONCRETE BLOCKS IN FILTER FABRIC AND SPAN ACROSS CATCH BASIN INLET.
3. FACE OPENINGS IN BLOCKS OUTWARD.
4. LEAVE A GAP OF APPROXIMATELY 4 INCHES BETWEEN THE CURB AND THE FILTERS TO ALLOW FOR OVERFLOW TO PREVENT HAZARDOUS PONDING.
5. INSTALL OUTLET PROTECTION BELOW STORM DRAIN OUTLETS.



CATCH BASIN

8" CONCRETE BLOCKS WRAPPED IN FILTER FABRIC

CURB

CURB APRON (GUTTER)

PAVEMENT

Sd2-P

CURB INLET PROTECTION

GMC

6120 Powers Ferry Road NW, Suite 350
Atlanta, GA 30339
T 770.952.2481
GMCNETWORK.COM

ISSUE DATE

30% Review

PFPR (60%)

PFPR (90%)

FINAL (100%)

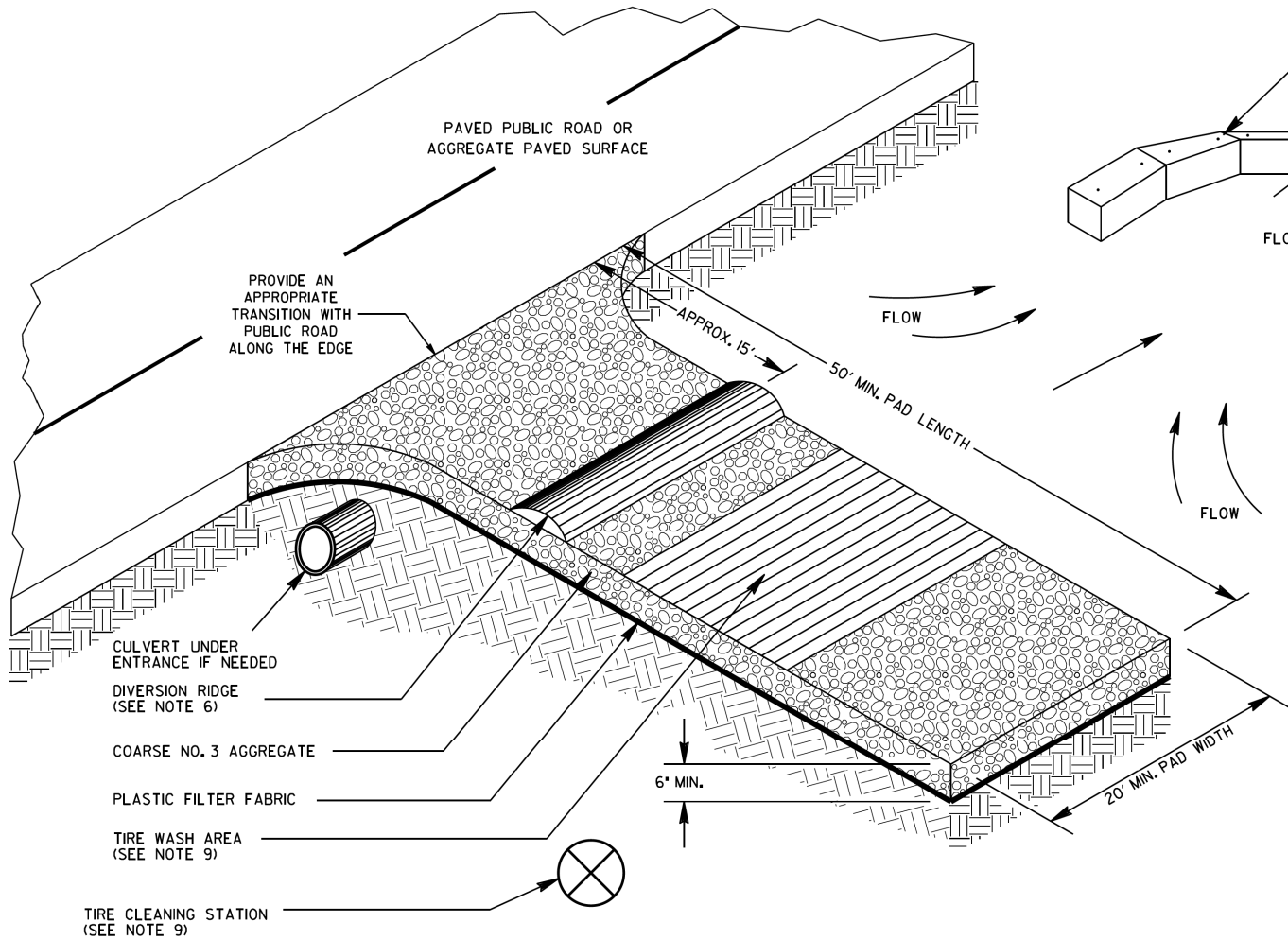
Streetscape Improvements on
Pentz Street & Cuyler Street
In the City of Dalton
Whitfield County, Georgia

GMC # TATL220003

NOT TO SCALE

PENTZ STREET &
CUYLER STREET
Erosion Control
Standards & Details

DRAWING NO.
56-0001



TIRE CLEANING STATION
(SEE NOTE 9)

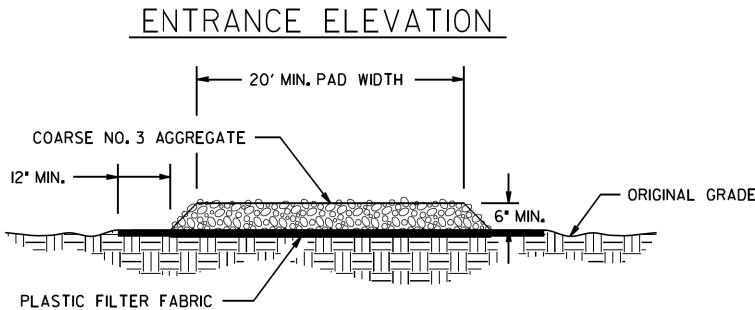
TIRE WASH AREA
SEDIMENT TRAP
(SEE NOTE 8)

GENERAL NOTES:

1. AVOID LOCATING CONSTRUCTION EXITS ON STEEP SLOPES OR AT SHARP CURVES ON PUBLIC ROADS. CONSTRUCTION EXITS ARE NOT REQUIRED FOR DIRT PUBLIC ROADS.
 2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA AND GRADE FOR POSITIVE DRAINAGE.
 3. AGGREGATE SIZE SHALL BE COARSE NO. 3 AGGREGATE WITH 0.0% PASSING THE 1.06 INCH U.S. STANDARD SIEVE.
 4. GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6 INCHES AND PLACED ON APPROVED PLASTIC FILTER FABRIC.
 5. GRAVEL PAD WIDTH SHALL BE EQUAL FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN 20'.
 6. PROVIDE A TRAVERSABLE DIVERSION RIDGE CONSTRUCTED OF AGGREGATE 6 INCHES TO 8 INCHES HIGH WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2%.
 7. INSTALL CULVERT UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.
 8. TIRE WASH AREA INCLUDES SEDIMENT TRAP OR OTHER ACCEPTABLE SEDIMENT STORAGE DEVICE AND SHALL BE CONSTRUCTED EVEN IF CONSTRUCTION EXIT TIRE CLEANING STATION IS NOT USED.
 9. IF THE ACTION OF THE VEHICLE TRAVELING OVER THE GRAVEL PAD DOES NOT SUFFICIENTLY REMOVE THE MUD PRIOR TO ENTERING PUBLIC ROADS THUS DICTATING ADDITIONAL TIRE CLEANING MEASURES, THE CONTRACTOR SHALL ADD A CONSTRUCTION EXIT TIRE CLEANING STATION TO AN EXISTING CONSTRUCTION EXIT OR WHEN DIRECTED BY THE ENGINEER, THE CONSTRUCTION EXIT TIRE CLEANING STATION INCLUDES: WATER SOURCE, LABOR AND ALL MATERIALS NECESSARY TO PERFORM TASK. THIS WILL BE PAID FOR AS SHOWN IN SECTION 163.

THE WASHING SHALL BE DONE ON AN AREA STABILIZED WITH AGGREGATE THAT DRAINS INTO A SEDIMENT TRAP OR OTHER ACCEPTABLE SEDIMENT STORAGE DEVICE. DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE CONSTRUCTION EXIT TO THE SEDIMENT CONTROL DEVICE. ACCEPTABLE SEDIMENT STORAGE DEVICE EXAMPLES INCLUDE TEMPORARY SEDIMENT TRAPS, HAY BALES OR STONE FILTER RING WITH THE SEDIMENT STORAGE SIZED FOR 67 CUBIC YARDS PER ACRE OF DRAINAGE. TIRE WASHING SHALL BE DONE MANUALLY OR BY EQUIPMENT SUITABLE FOR TRUCK TRAFFIC THAT REMOVES MUD AND DIRT.
 10. AGGREGATE SHALL BE KEPT LOOSE OR SCARIFIED WHEN AGGREGATE BECOMES CONSOLIDATED.
 11. CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION THAT PREVENTS TRACKING AND/OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR, AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT. MAINTENANCE OF CONSTRUCTION EXIT MAY BE PAID WITH OR WITHOUT THE MAINTENANCE OF CONSTRUCTION EXIT TIRE WASH AREA, WHEN DIRECTED BY THE ENGINEER. ALL MUD AND DEBRIS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES OR SITE ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
- SEE SECTION 163 FOR THE CONSTRUCTION AND REMOVAL OF CONSTRUCTION EXITS. SEE SECTION 165 FOR THE MAINTENANCE OF CONSTRUCTION EXITS.

PAY ITEM:			
163-0301	CONSTRUCT AND REMOVE CONSTRUCTION EXITS	(EA)	
165-0101	MAINTENANCE OF CONSTRUCTION EXIT	(EA)	
165-0310	MAINTENANCE OF CONSTRUCTION EXIT TIRE WASH AREA	(EA)	
PAY ITEM:		FOR FIELD USE ONLY ACCORDING TO SECTION 163	
163-0310	CONSTRUCTION EXIT TIRE CLEANING STATION	(DAY)	



REV GEN NOTES • 8-11			11-04-20	DEPARTMENT OF TRANSPORTATION	
REV PAY ITEM DESCS/REFS			04-18-18	STATE OF GEORGIA	
REV. TIRE WASH & NOTES			04-22-16	CONSTRUCTION DETAILS	
REV. GSNCC 2016 MANUAL			01-19-11		
REV. CONSTR. EXIT LABELS					
REVISION					
BY					
NO SCALE				FEBRUARY 2001	
HAC	DESIGNED		NUMBER D-41		
DLE	DRAWN	DLE			
TPC	TRACED				
	CHECKED				

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

Streetscape Improvements on
Pentz Street & Cuyler Street
In the City of Dalton
Whitfield County, Georgia

PENTZ STREET &
CUYLER STREET
Erosion Control
Standards & Details

DRAWING NO.

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GMC

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