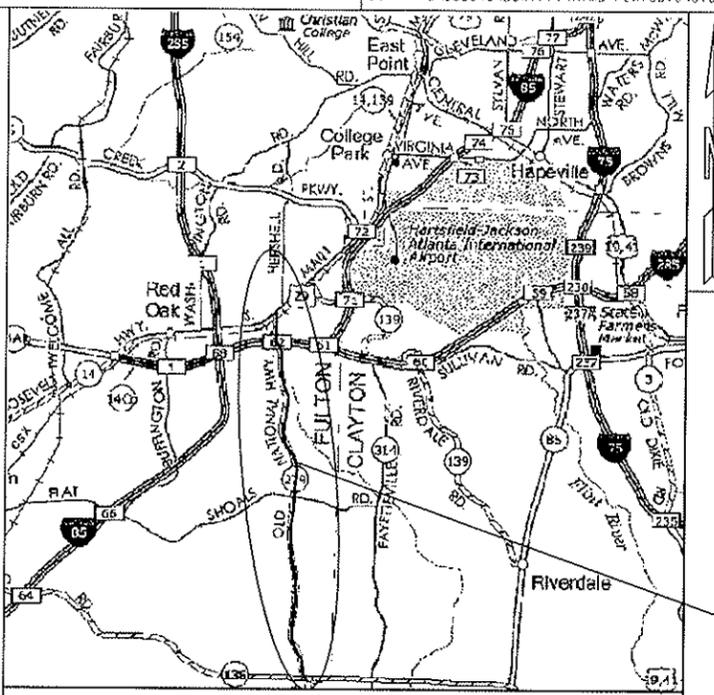


FULTON COUNTY DEPARTMENT OF PUBLIC WORKS

PLANS OF PROPOSED SR 279/OLD NATIONAL HWY ATMS FROM SR 138 TO CR 567/SULLIVAN RD FEDERAL AID PROJECT FULTON COUNTY CSSTP-0006-00(731)



LOCATION SKETCH (N.T.S.)

NOTE: THE COORDINATES LISTED ARE WEST ZONE GRID COORDINATES BASED ON THE GA. STATE PLANE COORDINATES SYSTEM OF 1985. HORIZONTAL DATUM: NAD83 VERTICAL DATUM: NAVD88

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

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

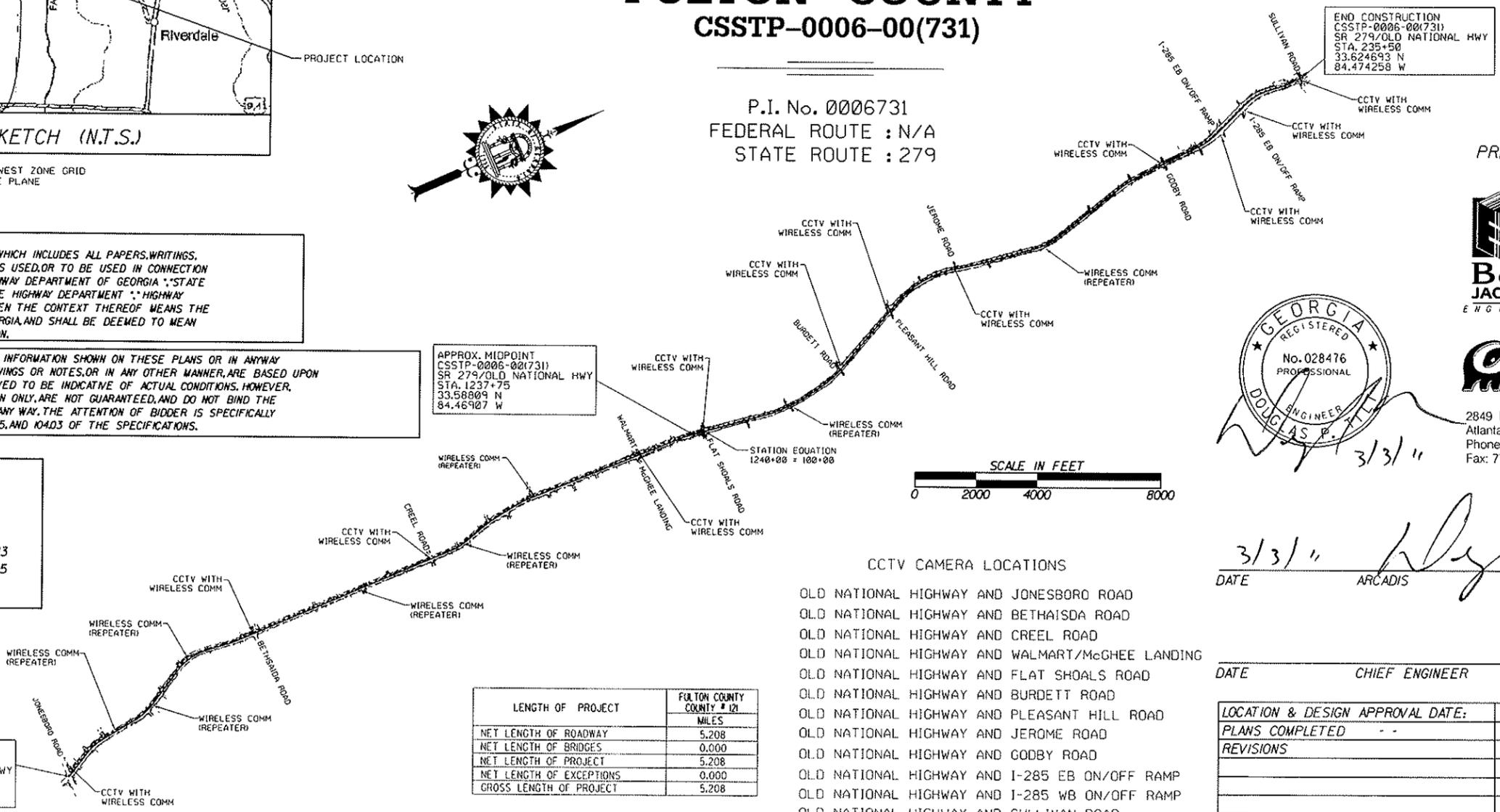
FUNCTIONAL CLASS: URBAN PRINCIPAL ARTERIAL
 THIS PROJECT IS 100% IN FULTON COUNTY AND IS:
 51% IN CONGRESSIONAL DISTRICT 13
 49% IN CONGRESSIONAL DISTRICT 5
 PROJECT DESIGNATION: EXEMPT

BEGIN CONSTRUCTION
 CSSTP-0006-00(731)
 SR 279/OLD NATIONAL HWY
 STA. 1100+00
 33.551106 N
 84.465063 W



P.I. No. 0006731
 FEDERAL ROUTE : N/A
 STATE ROUTE : 279

APPROX. MIDPOINT
 CSSTP-0006-00(731)
 SR 279/OLD NATIONAL HWY
 STA. 1237+75
 33.58809 N
 84.46907 W



END CONSTRUCTION
 CSSTP-0006-00(731)
 SR 279/OLD NATIONAL HWY
 STA. 235+50
 33.624693 N
 84.474258 W

PREPARED BY:

 230 PEACHTREE ST., N.W.
 SUITE 1800
 ATLANTA, GEORGIA 30303
 (404) 577-4914
 FAX (404) 577-4419



2849 Paces Ferry Road, Suite 400
 Atlanta, GA 30339
 Phone: 770.431.8666
 Fax: 770.435.2666

- CCTV CAMERA LOCATIONS
- OLD NATIONAL HIGHWAY AND JONESBORO ROAD
 - OLD NATIONAL HIGHWAY AND BETHAISDA ROAD
 - OLD NATIONAL HIGHWAY AND CREEL ROAD
 - OLD NATIONAL HIGHWAY AND WALMART/McGHEE LANDING
 - OLD NATIONAL HIGHWAY AND FLAT SHOALS ROAD
 - OLD NATIONAL HIGHWAY AND BURDETT ROAD
 - OLD NATIONAL HIGHWAY AND PLEASANT HILL ROAD
 - OLD NATIONAL HIGHWAY AND JEROME ROAD
 - OLD NATIONAL HIGHWAY AND GODBY ROAD
 - OLD NATIONAL HIGHWAY AND I-285 EB ON/OFF RAMP
 - OLD NATIONAL HIGHWAY AND I-285 WB ON/OFF RAMP
 - OLD NATIONAL HIGHWAY AND SULLIVAN ROAD

LENGTH OF PROJECT	FULTON COUNTY # 121 MILES
NET LENGTH OF ROADWAY	5.208
NET LENGTH OF BRIDGES	0.000
NET LENGTH OF PROJECT	5.208
NET LENGTH OF EXCEPTIONS	0.000
GROSS LENGTH OF PROJECT	5.208

3/3/11
 DATE: 3/3/11
 CHIEF ENGINEER: [Signature]

LOCATION & DESIGN APPROVAL DATE:	
PLANS COMPLETED	- -
REVISIONS	

FINAL PLANS

INDEX

DRAWING NO.	SHEET NO.	DESCRIPTION	REV DATE
	1	COVER SHEET	
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3-001	3	REVISION SUMMARY SHEET	
4-001	4	ATMS GENERAL NOTES	
4-002	5	EROSION CONTROL GENERAL NOTES	
6-001	6	SUMMARY OF QUANTITIES	
7-001	7	QUANTITIES REQUIRED BY AMENDMENT	
8-001	8	QUANTITIES REQUIRED ON CONSTRUCTION	
28-001	9	LEGEND SHEET	
28-002 : 28-019	10 -27	COMMUNICATION PLAN SHEETS	
28-020	28	WIRELESS BROADBAND DETAILS	
		CONSTRUCTION DETAILS	
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40-002	30	TS-03B DETAILS OF CONTROLLER CABINET EQUIPMENT	04/2010
40-003	31	TS-04 DETAILS OF METAL TRAFFIC SIGNAL STRAIN POLES	04/2010
40-004	32	TS-06 DETAILS OF STRAIN POLE AND MAST ARM POLE FOUNDATIONS	04/2010
40-005	33	TS-08 UTILITY CLEARANCE DETAILS	04/2010
40-006	34	ITS-04 CCTV/VDS/IVDS ASSEMBLY AND TYPICAL ERECTION DETAIL	12/2006
40-007	35	ITS-07 CONDUIT AND CONDUIT DUCT BANK TYPE 3 INSTALL DETAILS	10/2006
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40-008	37	ITS-15 TYPE D CABINET DETAILS	09/2005
		EROSION CONTROL	
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54-001	44	TYPICAL BMP DETAIL	



REVISION DATES		

STATE OF GEORGIA
 DEPARTMENT OF TRANSPORTATION
 OFFICE: TRAFFIC OPERATIONS

INDEX
 SR 279/OLD NATIONAL HIGHWAY
 FULTON COUNTY

DRAWING No. 2-001

ATMS GENERAL NOTES

1. AT ALL EXPOSED CONDUIT LOCATIONS, FIBERGLASS OR GALVANIZED RIGID METAL CONDUIT SHALL BE USED AS SHOWN IN PLANS.
2. THE CONTRACTOR SHALL LOCATE AND CONTACT ALL UTILITIES BEFORE DIGGING TO ELIMINATE ANY CONFLICTS WITH EXISTING UNDERGROUND UTILITIES. THE CONTRACTOR SHALL USE THE ONE-CALL CENTER FOR THE MARKING OF UNDERGROUND UTILITIES.
3. THE CONTRACTOR SHALL REPLACE IN LIKE KIND AND SIZE, AT NO SEPARATE EXPENSE TO THE DEPARTMENT, ANY BARRIER WALL, FENCE, DITCH PAVING, CURBING, SIDEWALK, GUTTER, SLOPE PAVEMENT, RUMBLE STRIPS, SIGNS, GUARDRAIL, LANDSCAPING (IN ACCORDANCE WITH GEORGIA SPECIFICATIONS SECTION 702), GRASSING (IN ACCORDANCE WITH GEORGIA SPECIFICATIONS SECTION 700), UTILITY SERVICE LINES, STORM DRAIN PIPES, AND ANY RETAINING WALLS THAT IS REMOVED, DAMAGED, OR DESTROYED DUE TO THE INSTALLATION OF CONDUIT, FIBER OPTIC CABLE, STRAIN POLES, OR PROPOSED DEVICES. THE CONTRACTOR WILL BE REQUIRED TO MAINTAIN LANDSCAPING AS SPECIFIED IN SECTION 702.3.07 OF THE GDOT SPECIFICATIONS.
4. THE CONTRACTOR SHALL REMOVE THE PAVEMENT IN A MANNER TO PROVIDE A NEAT LINE, WHERE CONDUIT IS INSTALLED. THE CONTRACTOR SHALL INLAY TO MATCH EXISTING SURFACE AFTER CONDUIT IS INSTALLED. THE COST FOR PAVEMENT REMOVAL AND PAVEMENT INLAY SHALL BE INCLUDED IN THE OVERALL BID PRICE FOR CONDUIT DUCT BANK.
5. WITHIN 24 HOURS, THE CONTRACTOR SHALL REPAIR ALL EXISTING CONDUIT, CABLE, OR PIPE THAT IS DAMAGED BY THE INSTALLATION OF CONDUIT, FIBER OPTIC CABLE, STRAIN POLES, OR PROPOSED DEVICES. THERE IS NO SEPARATE PAYMENT FOR THIS WORK.
6. PAVEMENT MARKING AND RE-STRIPING ITEMS SHALL BE REPLACED IN LIKE KIND AND SIZE. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE OVERALL BID PRICE FOR THIS PROJECT.
7. THE CONTRACTOR SHALL CONTACT THE DEPARTMENT'S PLANS FILE ROOM AT (404) 631-1532 FOR DRAINAGE PLANS AS NEEDED FOR THIS PROJECT.
8. CONDUIT UNDER ROADWAY SHALL BE INSTALLED BY DIRECTIONAL BORING, UNLESS NOTED OTHERWISE ON THE PLANS.
9. THE ELECTRICAL POWER SERVICE ASSEMBLY POINTS SHOWN ON PLANS ARE FOR THE CONTRACTOR'S USE IN DETERMINING POWER ROUTING TO EACH DEVICE. THE CONTRACTOR SHALL COORDINATE WITH GEORGIA POWER OR COLLEGE PARK POWER, DEPENDING ON OWNERSHIP OF THE SERVICE LOCATION, TO PROVIDE POWER TO THE SERVICE RISER POINTS. ALL SERVICE RISER POINTS SHALL BE LOCATED WITHIN THE EXISTING RIGHT OF WAY AT THE NEAREST POINT WITHIN THE EXISTING RIGHT OF WAY. THE CONTRACTOR MAY OBTAIN ALTERNATE SERVICE POINT LOCATIONS THROUGH COORDINATION WITH GEORGIA POWER OR COLLEGE PARK POWER, DEPENDING ON OWNERSHIP OF THE SERVICE LOCATION. ALTERNATE SERVICE POINT LOCATIONS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A DETAILED POWER ROUTING PLAN FOR THE 2" TYPE 2 CONDUIT FROM THE ELECTRICAL POWER SERVICE ASSEMBLY POINT TO EACH DEVICE FOR REVIEW APPROVAL BY THE ENGINEER. PAYMENT FOR COPPER WIRE, PULL BOXES, TRANSFORMERS, AND DIRECTIONAL BORES ASSOCIATED WITH THE INSTALLATION OF HORIZONTAL RUNS OF POWER CONDUIT SHALL BE INCLUDED IN THE OVERALL BID PRICE FOR 2" TYPE 2 CONDUIT.
10. UNLESS SPECIFIED OTHERWISE ON THE PLANS, ALL PROPOSED STRAIN POLES SHALL BE INSTALLED A MINIMUM OF 6' BEHIND EXISTING OR REQUIRED GUARDRAIL IF SHOWN ON PLANS.
11. ANY EXISTING LOOP DETECTORS THAT ARE CUT, DAMAGED, OR DESTROYED SHALL NOT BE REPAIRED BY SPLICING THE LOOPS CABLES TOGETHER. ALL LOOP LINES THAT ARE CUT, DAMAGED, OR DESTROYED SHALL BE REPLACED ENTIRELY AT NO SEPARATE EXPENSE TO THE DEPARTMENT WITHIN TWO WEEKS. THE EXISTING LOOP DETECTORS ARE SHOWN ON THE PLANS FOR INFORMATION ONLY.
12. A NOTICE OF INTENT IS NOT REQUIRED FOR THIS PROJECT. THE TOTAL DISTURBED AREA IS 0.1 ACRES.
13. MINOR TREE TRIMMING AND REMOVAL MAY BE REQUIRED AS DIRECTED BY THE ENGINEER. PAYMENT FOR THIS SHALL BE INCLUDED IN THE OVERALL BID PRICE FOR THIS PROJECT.
14. CONTRACTOR SHALL INSTALL MAST ARMS ON STRAIN POLES AS SHOWN IN THE PLANS IN ANTICIPATION OF STREETScape PROJECT CSSTP-0006-00(912).
15. CONTRACTOR SHALL USE NO LESS THAN 40 MHZ CHANNEL WIDTH FOR THE WIRELESS LINK BETWEEN I-285 AND GODBY ROAD. NO LESS THAN 20 MHZ CHANNEL WIDTHS SHALL BE USED FOR ALL OTHER WIRELESS LINKS ALONG THE CORRIDOR.
16. FULTON COUNTY SHALL BE RESPONSIBLE FOR THE ETHERNET ACCESS SWITCH AT OLD NATIONAL HWY AND I-285. CONTRACTOR SHALL COORDINATE WITH FULTON COUNTY WITH REGARDS TO OBTAINING AND INSTALLATION OF ETHERNET ACCESS SWITCH.

UTILITY OWNER	SERVICE
GEORGIA POWER COMPANY	ELECTRICAL
COLLEGE PARK POWER	ELECTRICAL
SOUTHERN NATURAL GAS	GAS
ATLANTA GAS LIGHT	GAS
FULTON COUNTY PUBLIC WORKS	WATER/SEWER
CITY OF ATLANTA DEPT WATERSHED MANG.	WATER
AT&T	ATMS/STRUCTURE ACCESS
AT&T	COMMUNICATION
COMCAST	TELEVISION

ENVIRONMENTAL RESOURCES IMPACT TABLE								
RESOURCE NAME/TYPE	LOCATION			CONSTRUCTION ACTIVITY	PERMITTED ACTIVITY	CONTROLLING CRITERIA	SPECIAL PROVISION?	COMMENTS INCLUDING ANY PERMIT EXPIRATION DATES
	BEGINNING STA.	ENDING STA.	SIDE					
STREAM 1 AND BUFFER	1225+24	1225+84	EAST SIDE	NONE	NONE	SECTION 404 OF THE CLEAN WATER ACT (CWA) AND GEORGIA EROSION AND SEDIMENTATION ACT OF 1975, AS AMENDED (GESA)	N/A	NONE
PUBLIC PARK (OLD NATIONAL PARK)	125+00	125+73	EAST SIDE	NONE	NONE	SECTION 4(F) OF THE DOT ACT	N/A	NONE
HISTORIC CORRIDOR (OLD NATIONAL HIGHWAY CORRIDOR)	1100+00	235+50	BOTH	WIRELESS COMMUNICATION INSTALLATION	WIRELESS COMMUNICATION INSTALLATION	NATIONAL HISTORIC PRESERVATION ACT (NHPA)	N/A	NONE
ARCHAEOLOGICAL SITE 9FU560	117+48	119+83	EAST SIDE	NONE	NONE	NHPA AND THE ARCHAEOLOGICAL AND HISTORIC PRESERVATION ACT OF 1974	N/A	NONE



Know what's below.
Call before you dig.



REVISION DATES	STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION OFFICE: TRAFFIC OPERATIONS GENERAL NOTES SR 279/OLD NATIONAL HIGHWAY FULTON COUNTY

DRAWING NO.
4-001

REVISED AUGUST 26, 2008
 ESPCP GENERAL NOTES:

The escape of sediment from the site shall be prevented by the installation of erosion and sediment control measures and practices prior to, or concurrent with, land disturbing activities.
 Erosion control measures will be maintained at all times. If full implementation of the approved plan does not provide for effective erosion control, additional erosion and sediment control measures shall be implemented to control or treat the sediment source.

PLAN ALTERATIONS

The Erosion Sedimentation and Pollution Control Plan (ESPCP) is provided by the Department. It addresses the staged construction of the project based on common construction methods and techniques. If the Contractor elects to alter the stage construction from that shown in the plans, or utilize construction techniques that render this plan ineffective, the Contractor shall revise the plans in accordance to Special Provision 161 of the contract.

The Contractor, the Certified Design Professional and the WECS shall carefully evaluate this plan prior to commencing land disturbing activities. A major modification or deletion of structural BMP's with a hydraulic component requires a formal revision of the ESPCP and the signature of a GSWCC level-II-certified design professional. Additional BMP's may be added per Special Provision 161-Control of Soil Erosion and Sedimentation.

TEMPORARY MULCHING

EPD General Permit GAR 100002 requires "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding." - However, the Department typically requires disturbed areas to be stabilized every 7 days. The construction documents, special provisions, or specification may require mulching more often than 7 days.

Specifically for this project, all disturbed areas shall be mulch immediately.

VEGETATION AND PLANTING SCHEDULE

All temporary and permanent vegetative practices including plant species, planting dates, seeding fertilizer, lime and mulching rates for this project can be found in section 700 of the current edition of the Department's specifications and other applicable contract documents, special provisions, or landscaping plans.

SEQUENCE OF MAJOR ACTIVITIES

The Contractor is responsible for developing the construction schedule for the project. A copy of the construction schedule shall be maintained at the project site.

As IT'S equipment, etc. are installed, all disturbed area must be stabilized the same day in which the disturbance occurred.

The maximum area the Contractor is allowed to disturb is as follows:

- Trenching Conduit Duct Bank Type 1: Length of trench by 2 feet wide
- Trenching Conduit Duct Bank Type 3: Length of trench by 1 foot wide
- Trenching TP 2 or TP 3 Conduit: Length of trench by 1 foot wide
- Boring: 200 square feet per boring location, includes entrance and exit point
 - Includes the pull boxes at the entrance and exit points
 - Type 2 Pull Boxes: 6 square feet
 - Type 4S Pull Boxes: 13.5 square feet
 - Type 7 Pull Boxes: 19 square feet
 - Type 5 Electrical Communications Box: 36 square feet

The contractor shall stabilize all disturbed areas within 24 hours of the disturbance

PETROLEUM STORAGE, SPILLS AND LEAKS

The plans provided herein do not anticipate the storage of petroleum products onsite. The contractor shall at a minimum provide an action plan and keep the necessary materials on site for the capture and disposal of any petroleum product leaks or spills associated with the servicing, refueling or operation of any equipment utilized in the work. A copy of the action plan shall be submitted to the Project Engineer and maintained on the project site. All personnel operating or servicing equipment shall be familiar with this plan. The contractor shall not park, refuel, or maintain equipment within stream buffers.

If the Contractor elects to store petroleum products on site, the Contractor shall prepare an ESPCP addendum that addresses the additional BMPs needed for onsite storage and spill prevention for petroleum products. This plan shall be prepared by a Certified Design Professional as required by GAR100002 for inclusion with these plans. The Contractor's attention is specifically directed to Standard Specification 107-Legal Regulations and Responsibility to the public for additional requirements

WASTE DISPOSAL

Where attainable, locate waste collection areas, dumpsters, trash cans and portable toilets at least 50 feet away from streets, gutters, watercourses and storm drains. Secondary containment shall be provided around liquid waste collection areas to minimize the likelihood of contaminated discharges. The Contractor shall comply with applicable state and local waste storage and disposal regulations and obtain all necessary permits. Solid materials, including building materials, shall not be discharged to waters of the State, unless authorized by a Section 404 Permit.

STREAM BUFFER ENCROACHMENT

Stream Buffers are not impacted by this project.
 The contractor is not authorized to enter into stream buffers, except as described in the table below:

Name (name or number of feature)	Location of Buffered Streams and State Waters **			Stream Type (Warm/Cold Water) *	Buffer Impacted (Yes/No)	Buffer Variance Required?
	Alignment	Begin Sta (LI or RT)	Ending Sta (LI or RT)			
STREAM 1	WEST/EAST	1225+24 (RT)	1225+84 (RT)	WARM WATER	NO	NO

* Warm water streams have a 25-foot minimum buffer as measured from the wooded vegetation. Cold water streams have a 50-foot buffer as measured from the wooded vegetation.
 ** Locations are approximate, a detailed location of stream buffers and authorized work areas are shown on the individual BMP sheets.

READY MIX CHUTE WASH-DOWN

The washing of ready-mix concrete drums and dump truck bodies used in the delivery of portland cement concrete is prohibited on this site. In accordance with standard Specification 107 - Legal Regulations and Responsibility to the Public, only the discharge "chute" utilized in portland cement concrete delivery may be rinsed free of fresh concrete remains. The Contractor shall excavate a pit outside of State water buffers, at least 25 feet from any storm drain and outside of the travel way, including shoulders, for a wash/pit area. The pit shall be large enough to store all wash-down water without overtopping the pit. Immediately after the wash-down operations are completed and after the wash-down water has soaked into the ground, the pit shall be filled in, and the ground above shall be graded to match the elevation of the surrounding areas smoothed out. Alternate wash down plans must be approved by the Project Engineer.

Wash-down plans describe procedures that prevent wash down water from entering streams and rivers. Never dispose of wash-down water down a storm drain. Establish a wash-down water pit location that includes the following: (1) the pit is located away from a storm drain, stream or river, (2) the pit is accessible to the vehicle being used for wash-down, (3) the pit has enough volume for wash-down water, and (4) make sure you have permission to use the area for wash-down. On some sites, you may not have permission or access to a location which allows for a wash-down pit. In those cases, the Contractor may have to wash-down into a wheelbarrow or other container and carry the container for transport to a proper disposal site. For additional information, refer to the Georgia Small Business Environmental Assistance Program's "A Guide For Ready Mix Chute/Hopper Wash-down".

INSPECTIONS

All inspections shall be documented on the appropriate Department inspection forms. See Special Provision 167 and other contract documents for inspection requirements. These inspections shall continue until the Notice of Termination (NOT) is submitted.

Failure to perform inspections as required by the contract documents and the NPDES permit shall result in the cessation of all construction activities with the exception of Traffic Control and Erosion Control. Continued failure to perform inspections shall result in non-refundable deductions as specified in the contract documents.

By agreement with Georgia EPD, the Department's Construction Project Engineer will be responsible for the seven day inspections required for new BMP installations.

REVISION DATES

STATE OF GEORGIA
 DEPARTMENT OF TRANSPORTATION
 OFFICE: TRAFFIC OPERATIONS
ESPC GENERAL NOTES
 SR 279/OLD NATIONAL HIGHWAY
 FULTON COUNTY

DRAWING NO.
4-002



SUMMARY OF QUANTITIES

COMMUNICATION ITEMS																	
	615-1200	639-3004	639-3004	639-3004	639-3004	639-3004	639-3004	639-3004	647-2120	682-6222	682-6233	936-1001	939-1191	939-2305	939-4020	939-4040	939-5010
	DIRECTIONAL BORE 5 INCH	STEEL STRAIN POLE TYPE IV	STEEL STRAIN POLE TYPE IV WITH 45' MAST ARM	STEEL STRAIN POLE TYPE IV WITH 50' MAST ARM	STEEL STRAIN POLE TYPE IV WITH 55' MAST ARM	PULL BOX PB-2	CONDUIT NONMETL TP 2.2 IN	CONDUIT NONMETL TP 3.2 IN	CCTV SYSTEM TYPE B	VIDEO ENCODER TYPE B	FIELD SWITCH TYPE C	TYPE B CABINET	TYPE D CABINET	ELECTRICAL POWER SERVICE ASSEMBLY AERIAL SERVICE POINT			
DRAWING NUMBER	LF	EA	EA	EA	EA	EA	EA	EA	EA	LF	LF	EA	EA	EA	EA	EA	EA
28-002	--	1	--	--	--	--	--	1	20	--	--	1	1	1	--	1	--
28-003	--	2	--	--	--	--	--	--	--	--	--	--	--	--	2	--	2
28-004	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1
28-005	--	1	--	--	--	--	--	1	25	--	--	1	1	1	--	1	--
28-006	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1
28-007	--	1	--	--	--	--	--	1	15	--	--	1	1	1	--	1	--
28-008	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1
28-009	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1
28-010	--	1	--	--	--	--	--	1	26	--	--	1	1	1	--	1	--
28-011	--	--	1	--	--	--	--	1	25	--	--	1	1	1	--	1	--
28-012	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1
28-013	--	--	--	--	1	--	--	1	20	--	--	1	1	1	--	1	--
28-014	--	--	--	1	--	--	--	1	50	--	--	1	1	1	--	1	--
28-015	--	--	--	--	1	--	--	1	20	--	--	1	1	1	--	1	--
28-016	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1
28-017	70	--	--	--	--	--	1	2	30	140	1	1	1	--	1	--	--
28-018	--	2	--	--	--	--	--	2	85	--	2	2	2	--	2	--	--
28-019	--	--	--	--	--	1	--	1	60	--	1	1	1	--	1	--	--
TOTAL	70	14	1	1	2	1	1	13	376	140	12	12	12	8	12	8	8

EROSION CONTROL ITEMS							
163-0232	163-0240	700-6910	700-7000	700-8000	700-8100	700-9300	713-3001
TEMPORARY GRASSING	MULCH	GRASSING PERMANENT	AGRIC. LIME	FERTILIZERS MIXED GRADE	FERTILIZERS NITROGEN CONTENT	SOD	WOOD FIBER BLANKET TP 1
ACRES	TON	ACRES	TON	TON	LB	SY	SY
1	1	1	1	1	100	1400	1400
TOTAL	1	1	1	1	100	1400	1400

CCTV SYSTEM	
TESTING	LS 936-8000
TRAINING	LS 936-8500

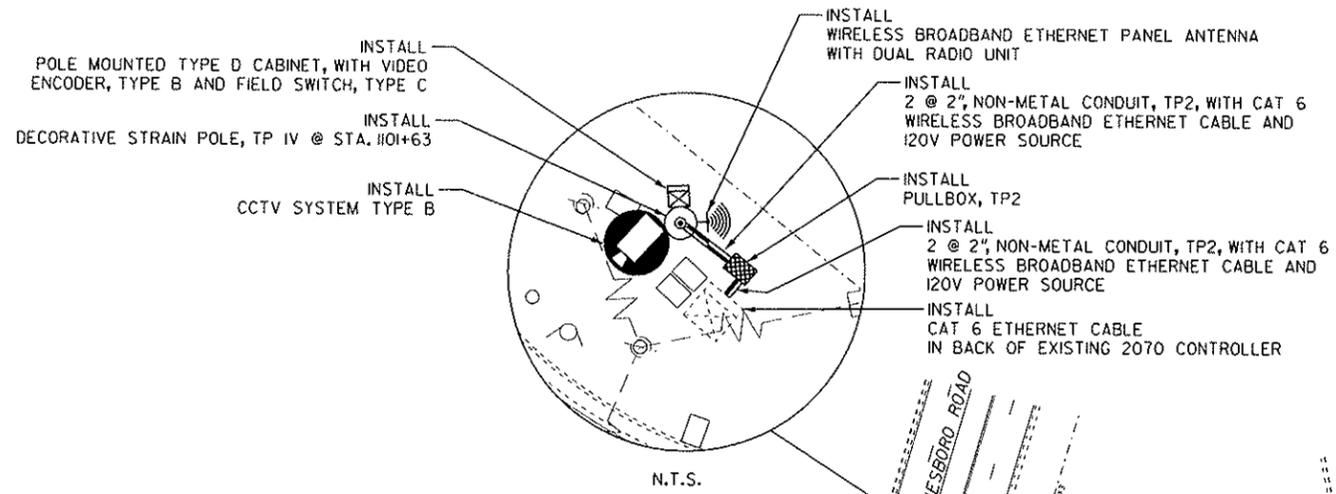
COMMUNICATION EQUIPMENT	
TESTING	LS 939-8000
TRAINING	LS 939-8500

WIRELESS BROADBAND ETHERNET SYSTEM	
WIRELESS SYSTEM	LS 999-0300
TESTING	LS 999-0310
TRAINING	LS 999-0320

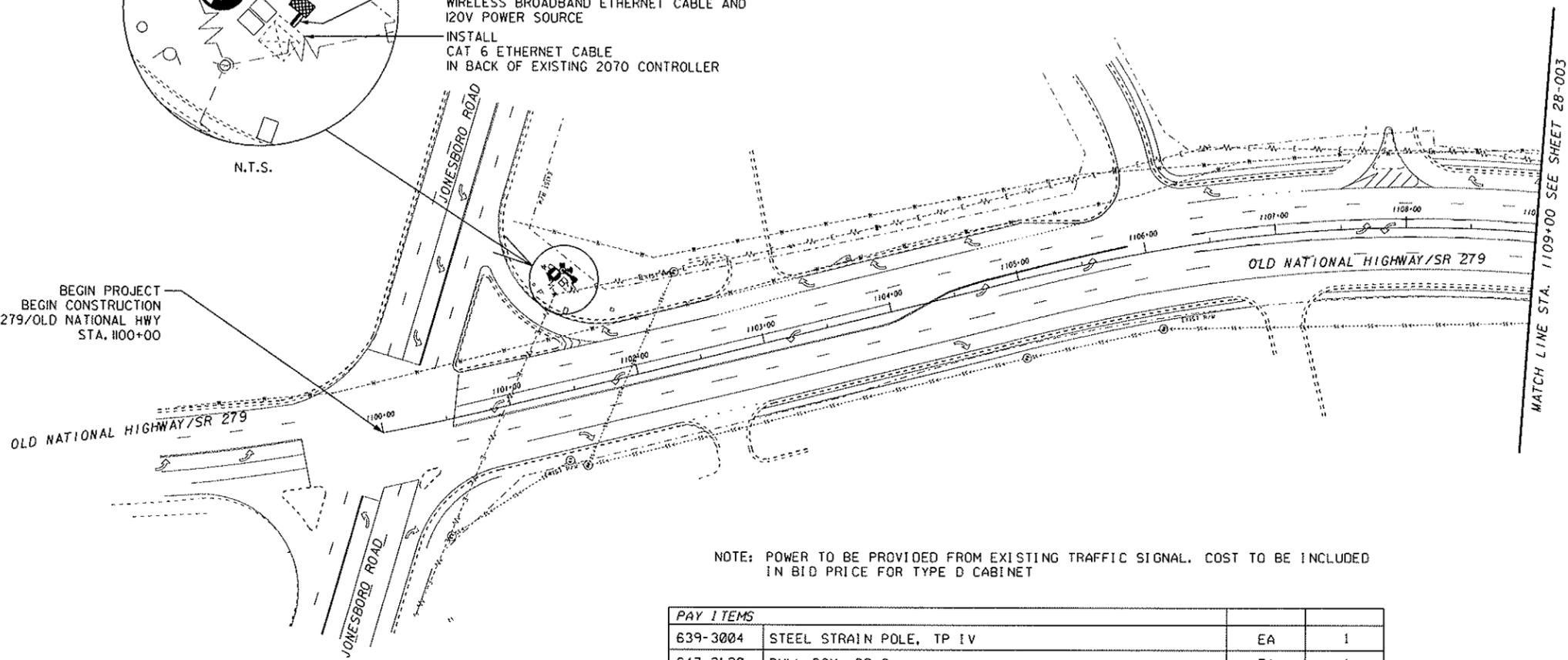
TRAFFIC CONTROL	
LUMP SUM	150-1000

REVISION DATES		STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION OFFICE: TRAFFIC OPERATIONS	
		SUMMARY OF QUANTITIES	
		SR 279/OLD NATIONAL HIGHWAY FULTON COUNTY	
		DRAWING NO. 6-001	



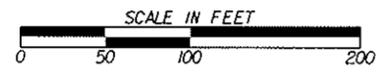


BEGIN PROJECT
 BEGIN CONSTRUCTION
 SR 279/OLD NATIONAL HWY
 STA. 1100+00



NOTE: POWER TO BE PROVIDED FROM EXISTING TRAFFIC SIGNAL. COST TO BE INCLUDED IN BID PRICE FOR TYPE D CABINET

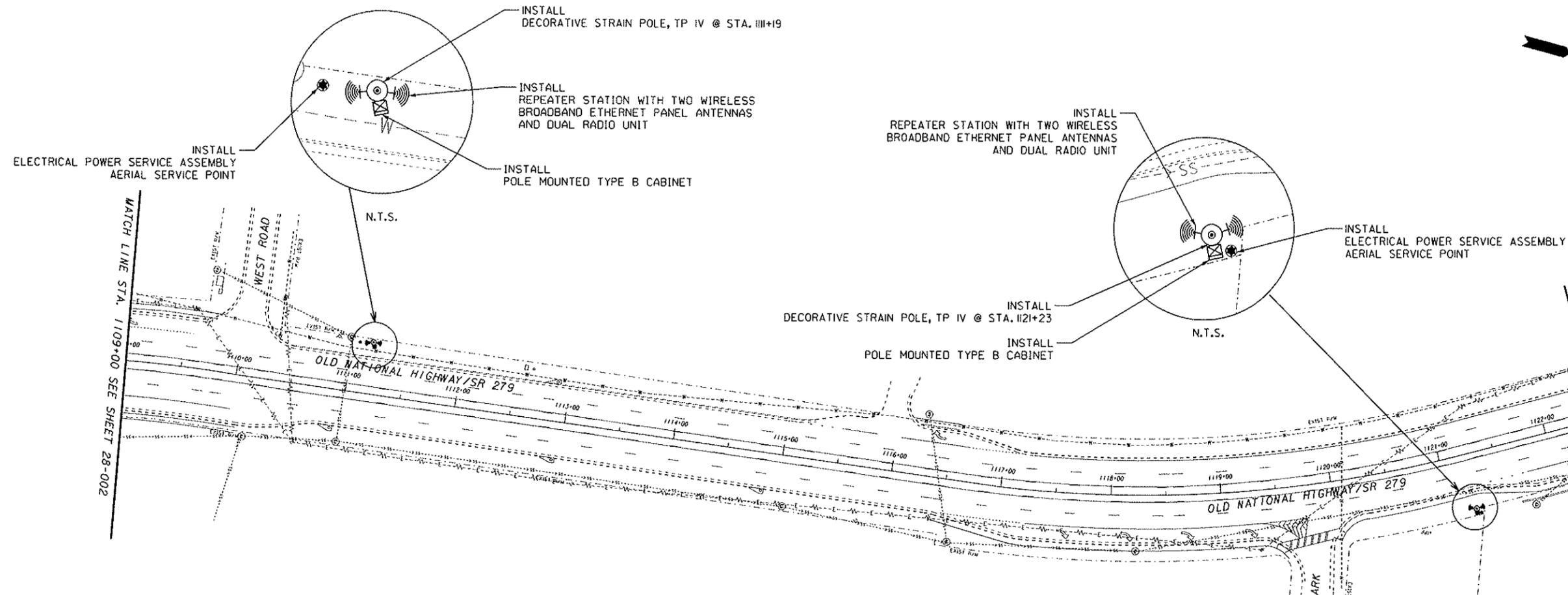
PAY ITEMS			
639-3004	STEEL STRAIN POLE, TP IV	EA	1
647-2120	PULL BOX, PB-2	EA	1
682-6222	CONDUIT, NONMETL, TP 2, 2 IN	LF	20
936-1001	CCTV SYSTEM, TYPE B	EA	1
939-1191	VIDEO ENCODER, TYPE B	EA	1
939-2305	FIELD SWITCH, TYPE C	EA	1
939-4040	TYPE D CABINET	EA	1
999-0300	WIRELESS BROADBAND ETHERNET SYSTEM	LUMP	LUMP
NOTE: WIRELESS ANTENNA, RADIO, CABLING, AND CONTROLLER CARD SHALL BE INCLUDED AS PART OF 999-0300 LUMP SUM			



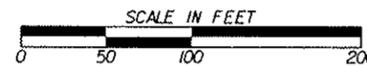
REVISION DATES	

STATE OF GEORGIA
 DEPARTMENT OF TRANSPORTATION
 OFFICE: TRAFFIC OPERATIONS
ATMS PLANS
 SR 279/OLD NATIONAL HIGHWAY
 FULTON COUNTY

DRAWING NO.
28-002



PAY ITEMS			
639-3004	STEEL STRAIN POLE, TP IV	EA	2
939-4020	TYPE B CABINET	EA	2
939-5010	ELECTRICAL POWER SERVICE ASSEMBLY, AERIAL SERVICE POINT	EA	2
999-0300	WIRELESS BROADBAND ETHERNET SYSTEM	LUMP	LUMP
NOTE: WIRELESS ANTENNA, RADIO, CABLING, AND CONTROLLER CARD SHALL BE INCLUDED AS PART OF 999-0300 LUMP SUM			



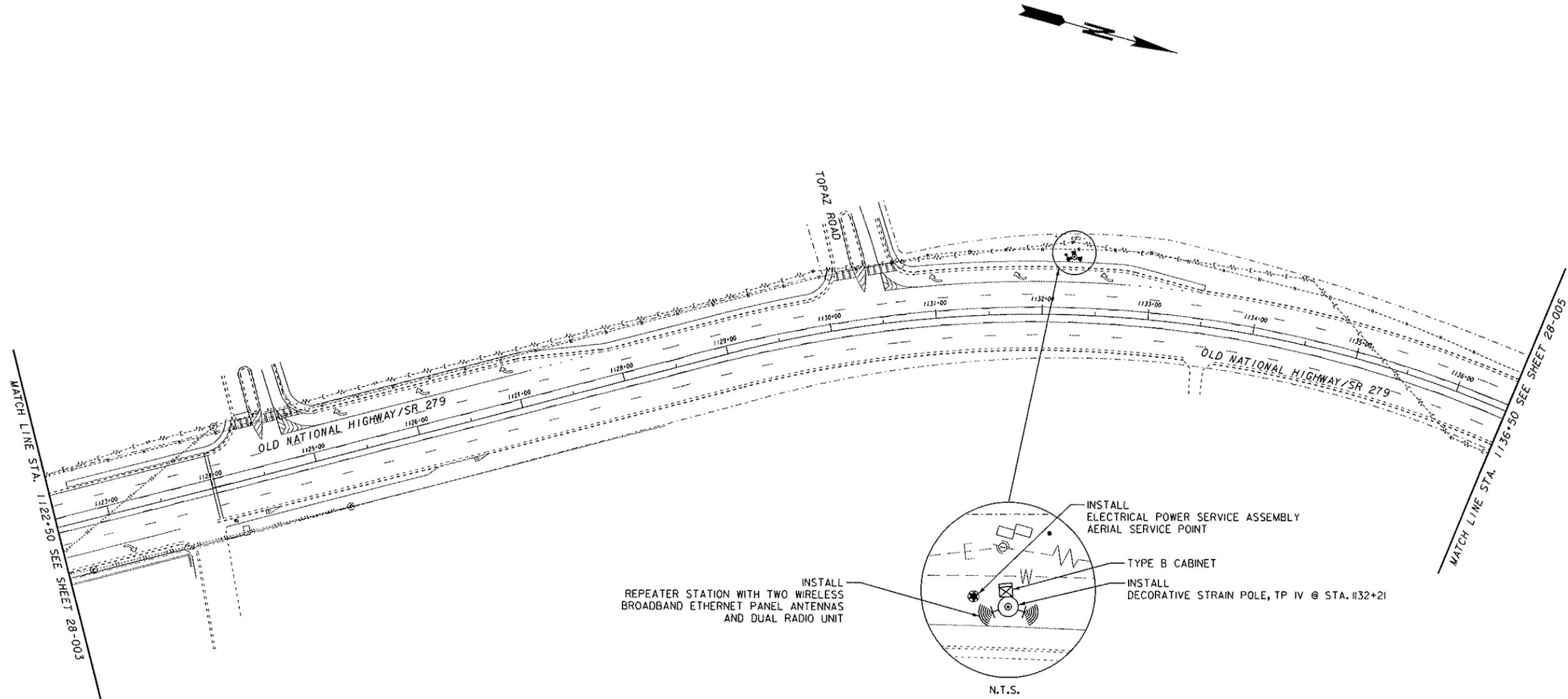
REVISION DATES

NO.	DATE	DESCRIPTION

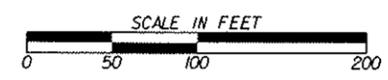
STATE OF GEORGIA
 DEPARTMENT OF TRANSPORTATION
 OFFICE: TRAFFIC OPERATIONS
 ATMS PLANS

SR 279/OLD NATIONAL HIGHWAY
 FULTON COUNTY

DRAWING No.
28-003



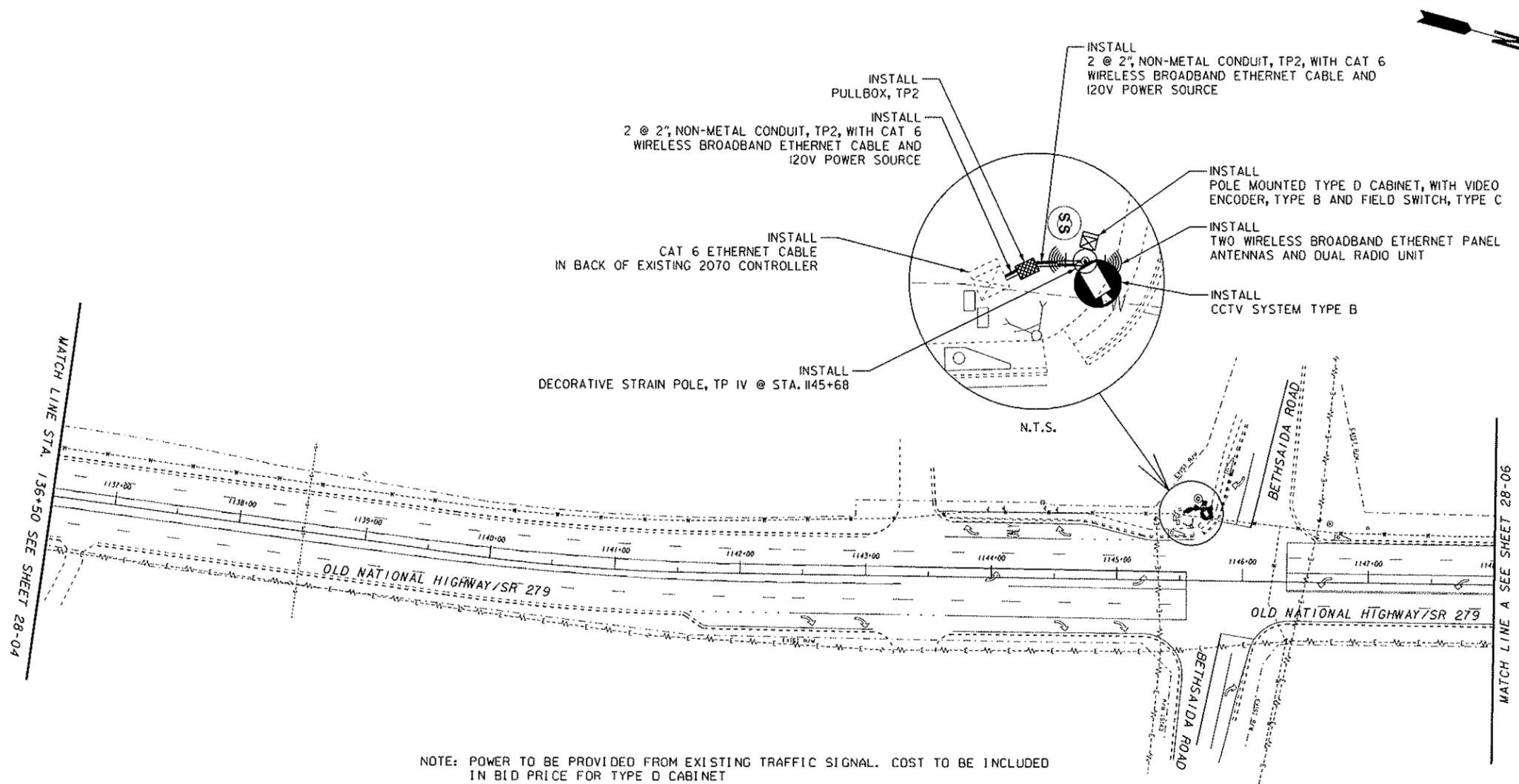
PAY ITEMS			
639-3004	STEEL STRAIN POLE, TP IV	EA	1
939-4020	TYPE B CABINET	EA	1
939-5010	ELECTRICAL POWER SERVICE ASSEMBLY, AERIAL SERVICE POINT	EA	1
999-0300	WIRELESS BROADBAND ETHERNET SYSTEM	LUMP	LUMP
NOTE: WIRELESS ANTENNA, RADIO, CABLING, AND CONTROLLER CARD SHALL BE INCLUDED AS PART OF 999-0300 LUMP SUM			



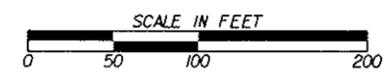
REVISION DATES	

STATE OF GEORGIA
 DEPARTMENT OF TRANSPORTATION
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 ATMS PLANS
 SR 279/OLD NATIONAL HIGHWAY
 FULTON COUNTY

DRAWING No. 28-004



PAY ITEMS			
639-3004	STEEL STRAIN POLE, TP IV	EA	1
647-2120	PULL BOX, PB-2	EA	1
682-6222	CONDUIT, NONMETL, TP 2, 2 IN	LF	25
936-1001	CCTV SYSTEM, TYPE B	EA	1
939-1191	VIDEO ENCODER, TYPE B	EA	1
939-2305	FIELD SWITCH, TYPE C	EA	1
939-4040	TYPE D CABINET	EA	1
999-0300	WIRELESS BROADBAND ETHERNET SYSTEM	LUMP	LUMP
NOTE: WIRELESS ANTENNA, RADIO, CABLING, AND CONTROLLER CARD SHALL BE INCLUDED AS PART OF 999-0300 LUMP SUM			

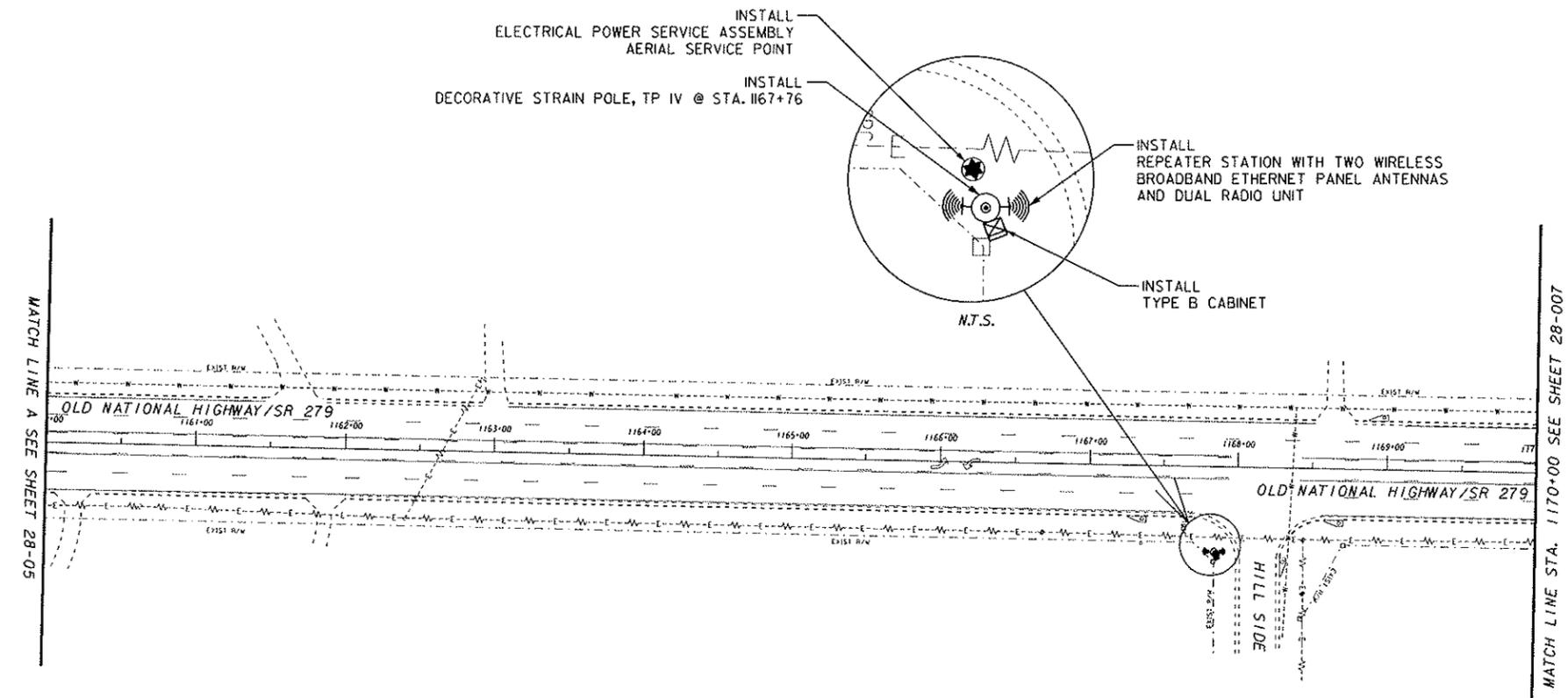


REVISION DATES	

STATE OF GEORGIA
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FULTON COUNTY

DRAWING No.
28-005



PAY ITEMS			
639-3004	STEEL STRAIN POLE, TP IV	EA	1
939-4020	TYPE B CABINET	EA	1
939-5010	ELECTRICAL POWER SERVICE ASSEMBLY, AERIAL SERVICE POINT	EA	1
999-0300	WIRELESS BROADBAND ETHERNET SYSTEM	LUMP	LUMP
NOTE: WIRELESS ANTENNA, RADIO, CABLING, AND CONTROLLER CARD SHALL BE INCLUDED AS PART OF 999-0300 LUMP SUM			

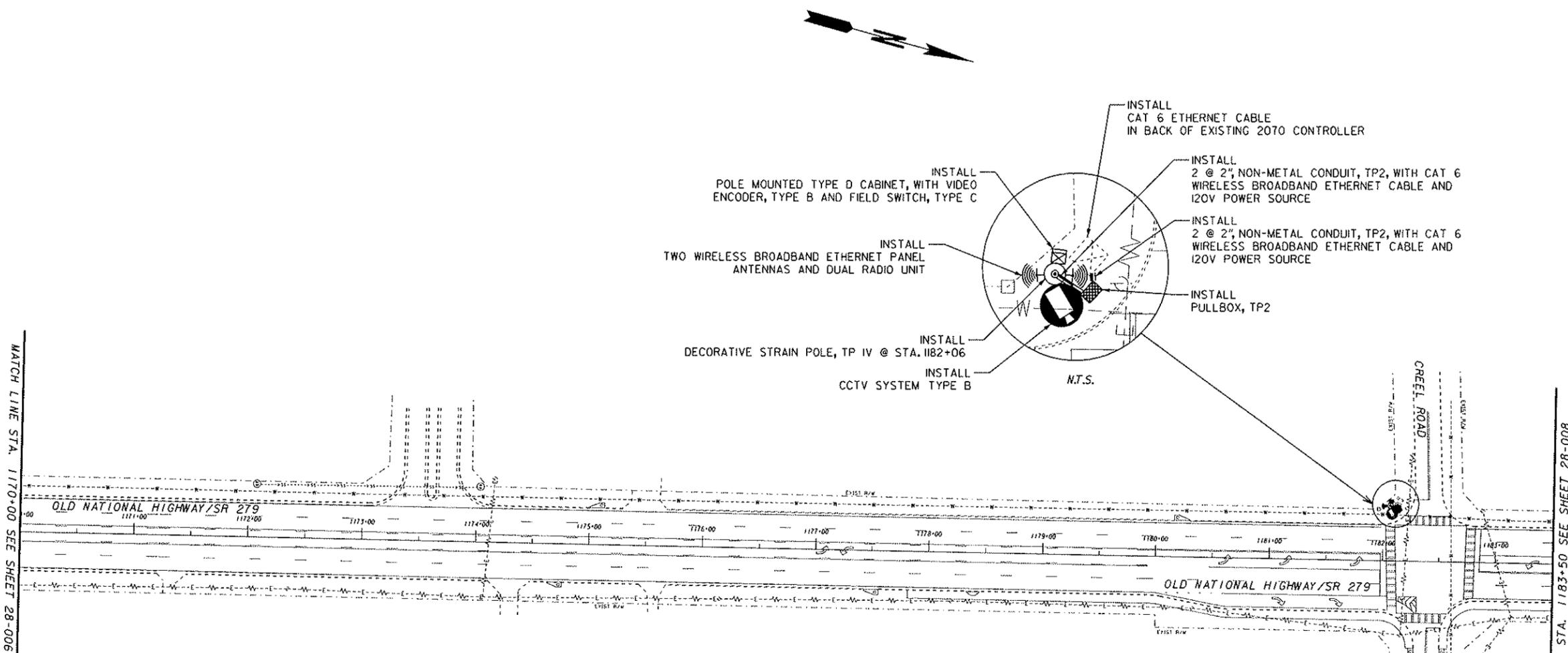


REVISION DATES	

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
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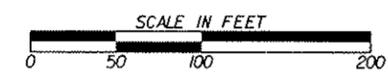
SR 279/OLD NATIONAL HIGHWAY
FULTON COUNTY

DRAWING NO.
28-006



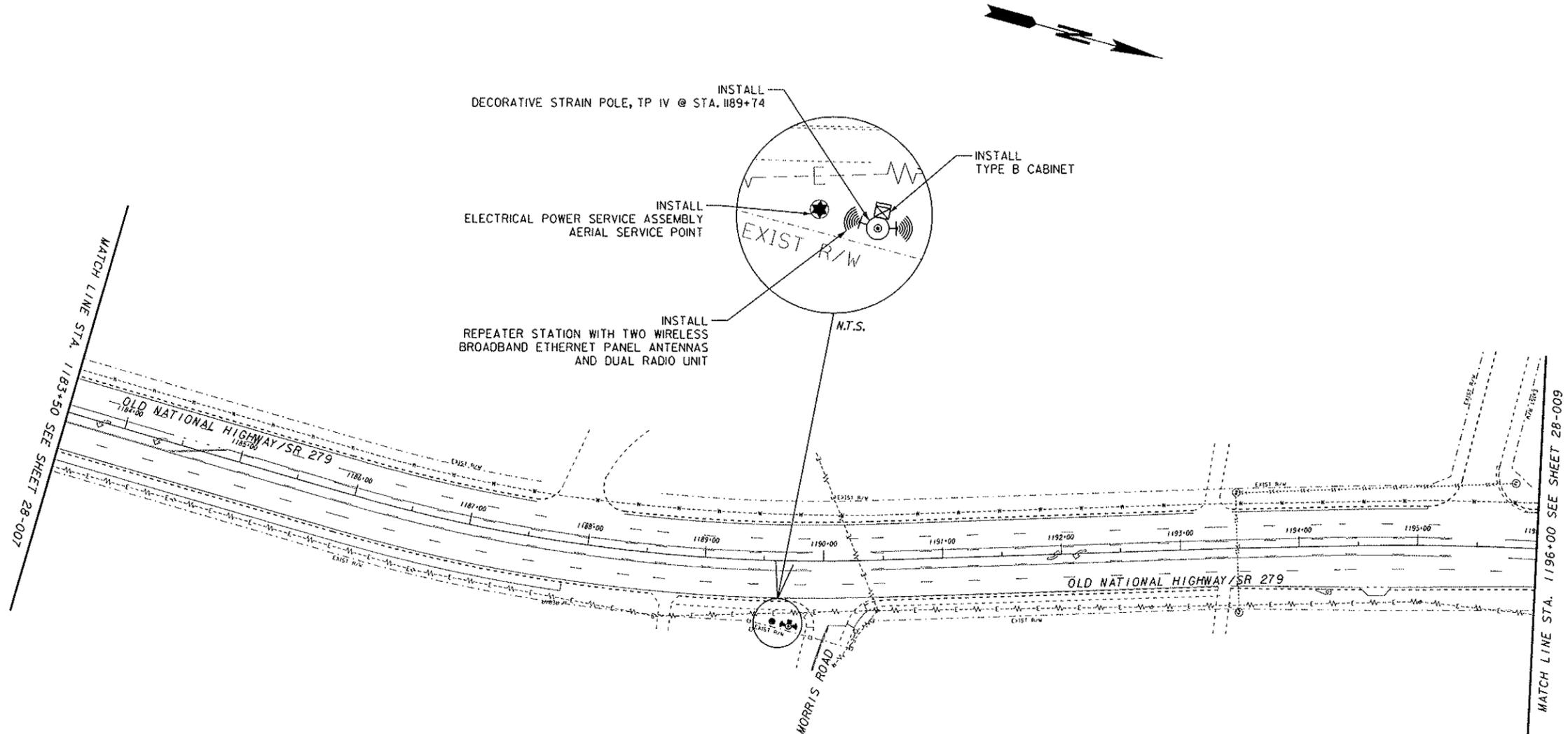
NOTE: POWER TO BE PROVIDED FROM EXISTING TRAFFIC SIGNAL. COST TO BE INCLUDED IN BID PRICE FOR TYPE D CABINET

PAY ITEMS			
639-3004	STEEL STRAIN POLE, TP IV	EA	1
647-2120	PULL BOX, PB-2	EA	1
682-6222	CONDUIT, NONMETL, TP 2, 2 IN	LF	15
936-1001	CCTV SYSTEM, TYPE B	EA	1
939-1191	VIDEO ENCODER, TYPE B	EA	1
939-2305	FIELD SWITCH, TYPE C	EA	1
939-4040	TYPE D CABINET	EA	1
999-0300	WIRELESS BROADBAND ETHERNET SYSTEM	LUMP	LUMP
	NOTE: WIRELESS ANTENNA, RADIO, CABLING, AND CONTROLLER CARD SHALL BE INCLUDED AS PART OF 999-0300 LUMP SUM		

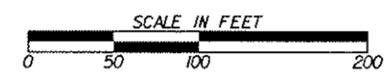


REVISION DATES	

STATE OF GEORGIA
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 DRAWING No. 28-007



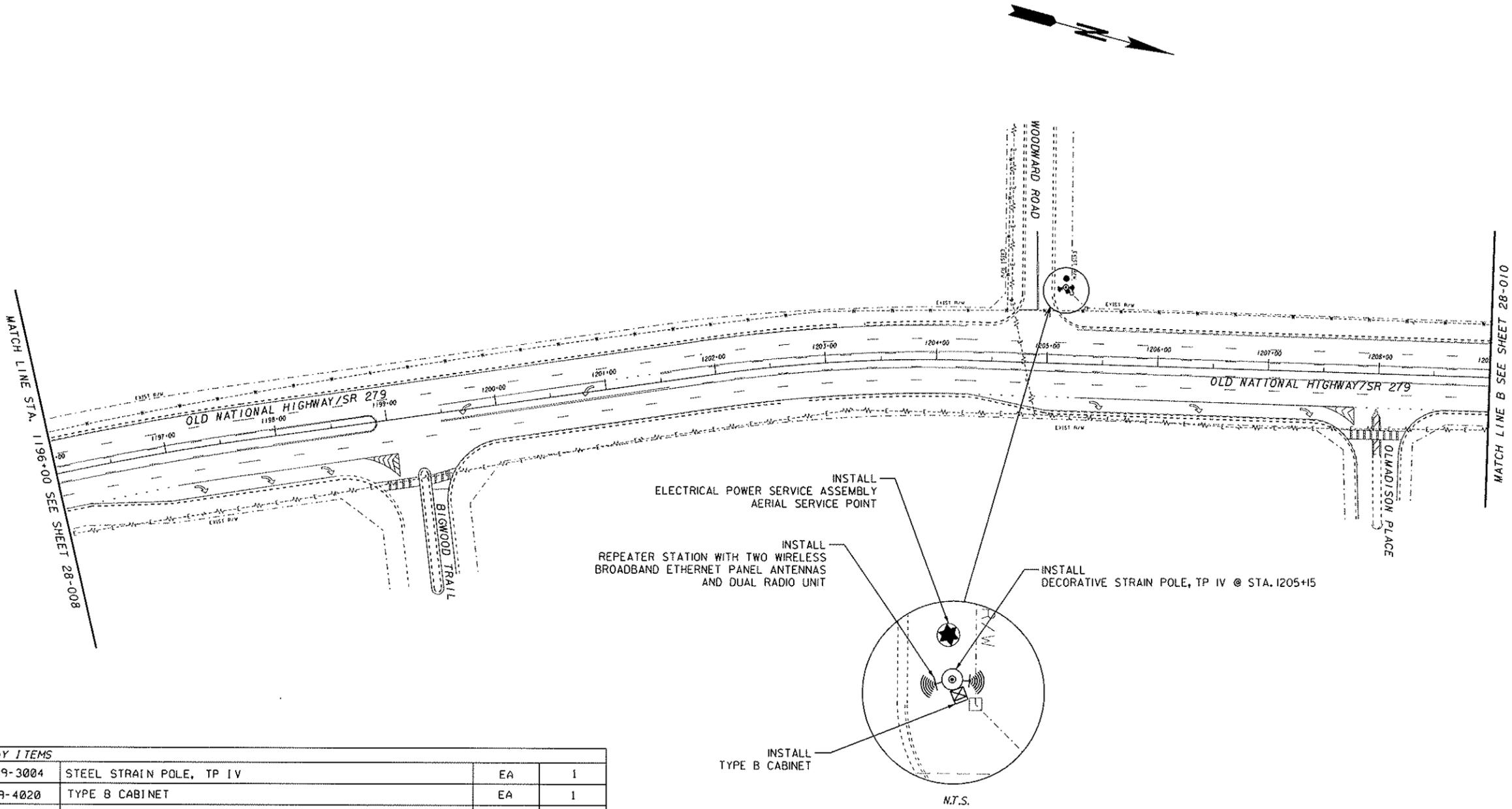
PAY ITEMS			
639-3004	STEEL STRAIN POLE, TP IV	EA	1
939-4020	TYPE B CABINET	EA	1
939-5010	ELECTRICAL POWER SERVICE ASSEMBLY, AERIAL SERVICE POINT	EA	1
999-0300	WIRELESS BROADBAND ETHERNET SYSTEM	LUMP	LUMP
NOTE: WIRELESS ANTENNA, RADIO, CABLING, AND CONTROLLER CARD SHALL BE INCLUDED AS PART OF 999-0300 LUMP SUM			



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DRAWING No. 28-008

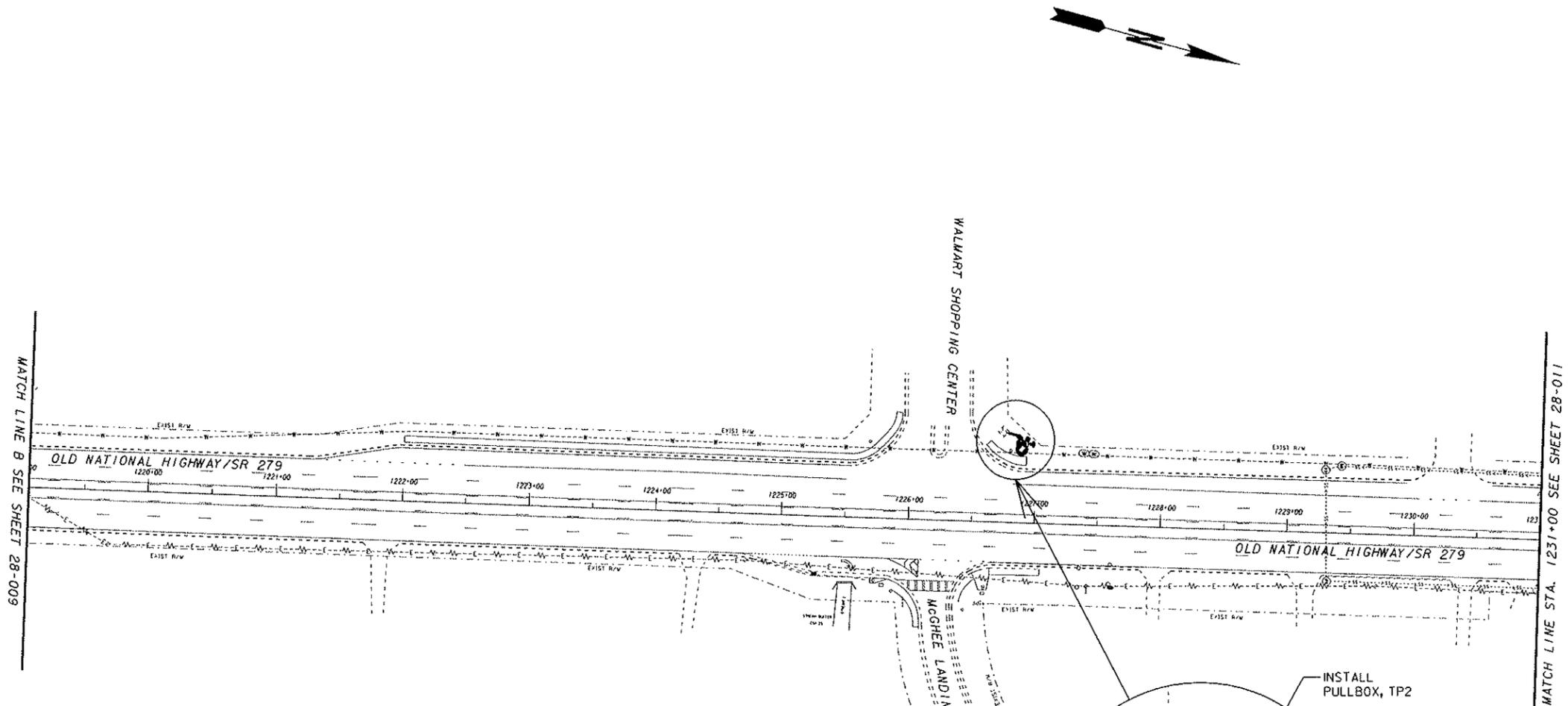


PAY ITEMS			
639-3004	STEEL STRAIN POLE, TP IV	EA	1
939-4020	TYPE B CABINET	EA	1
939-5010	ELECTRICAL POWER SERVICE ASSEMBLY, AERIAL SERVICE POINT	EA	1
999-0300	WIRELESS BROADBAND ETHERNET SYSTEM	LUMP	LUMP
NOTE: WIRELESS ANTENNA, RADIO, CABLING, AND CONTROLLER CARD SHALL BE INCLUDED AS PART OF 999-0300 LUMP SUM			



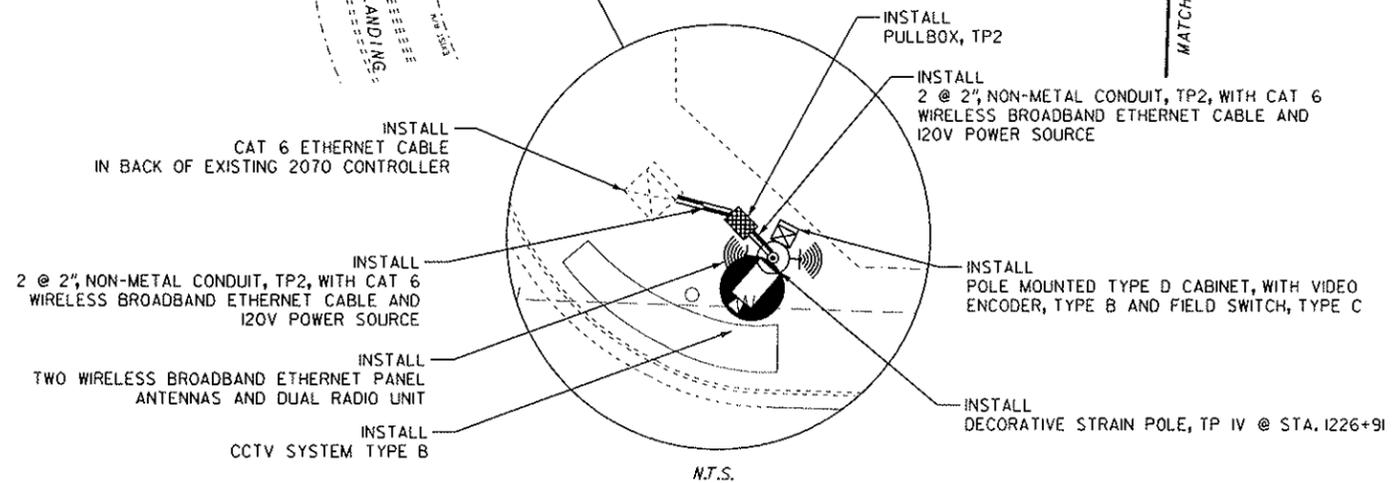
REVISION DATES		

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 FULTON COUNTY
 DRAWING No. 28-009



NOTE: POWER TO BE PROVIDED FROM EXISTING TRAFFIC SIGNAL. COST TO BE INCLUDED IN BID PRICE FOR TYPE D CABINET

PAY ITEMS			
639-3004	STEEL STRAIN POLE, TP IV	EA	1
647-2120	PULL BOX, PB-2	EA	1
682-6222	CONDUIT, NONMETL, TP 2, 2 IN	LF	26
936-1001	CCTV SYSTEM, TYPE B	EA	1
939-1191	VIDEO ENCODER, TYPE B	EA	1
939-2305	FIELD SWITCH, TYPE C	EA	1
939-4040	TYPE D CABINET	EA	1
999-0300	WIRELESS BROADBAND ETHERNET SYSTEM	LUMP	LUMP
NOTE: WIRELESS ANTENNA, RADIO, CABLING, AND CONTROLLER CARD SHALL BE INCLUDED AS PART OF 999-0300 LUMP SUM			

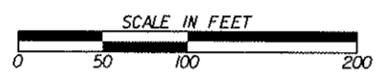
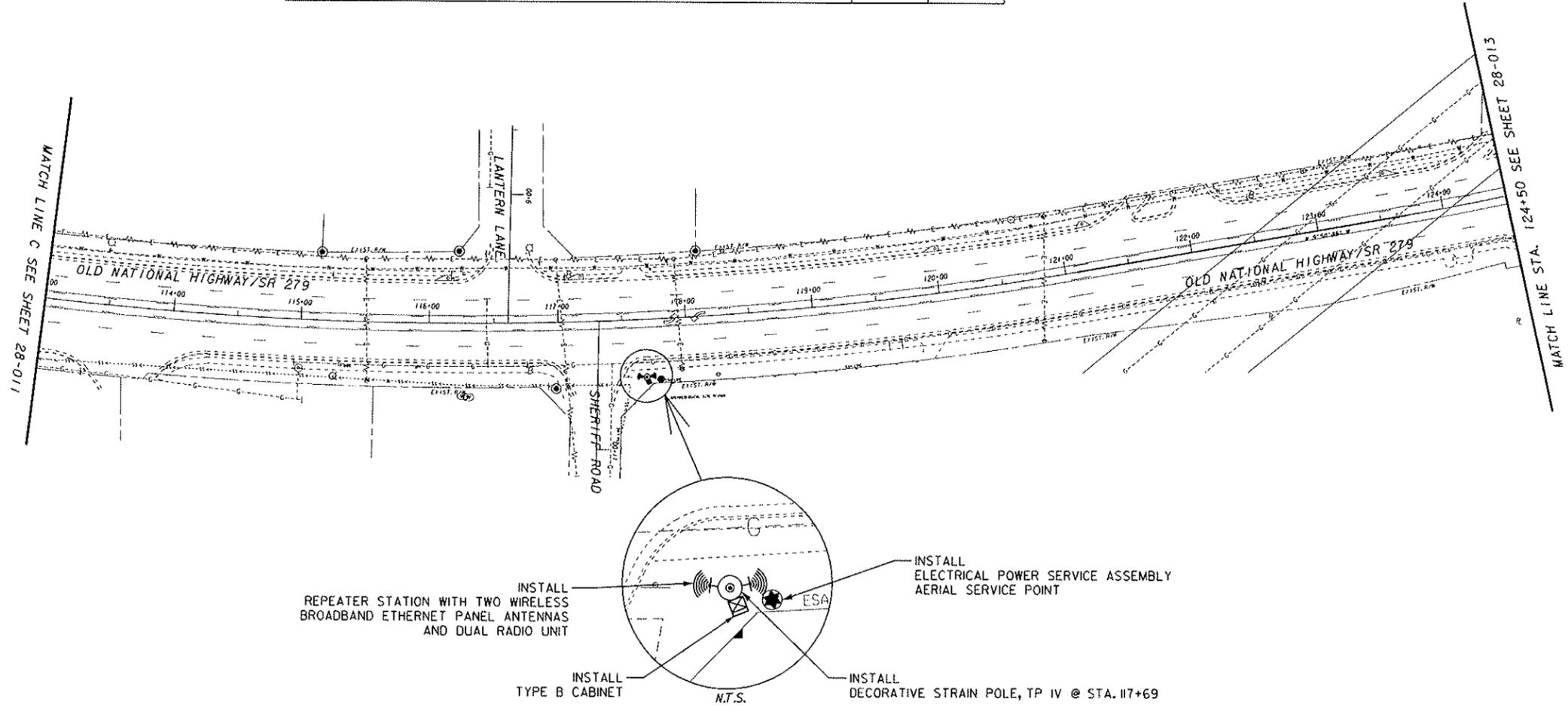


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 FULTON COUNTY
 DRAWING No. 28-010



PAY ITEMS			
639-3004	STEEL STRAIN POLE, TP IV	EA	1
939-4020	TYPE B CABINET	EA	1
939-5010	ELECTRICAL POWER SERVICE ASSEMBLY, AERIAL SERVICE POINT	EA	1
999-0300	WIRELESS BROADBAND ETHERNET SYSTEM	LUMP	LUMP
NOTE: WIRELESS ANTENNA, RADIO, CABLING, AND CONTROLLER CARD SHALL BE INCLUDED AS PART OF 999-0300 LUMP SUM			



REVISION DATES	

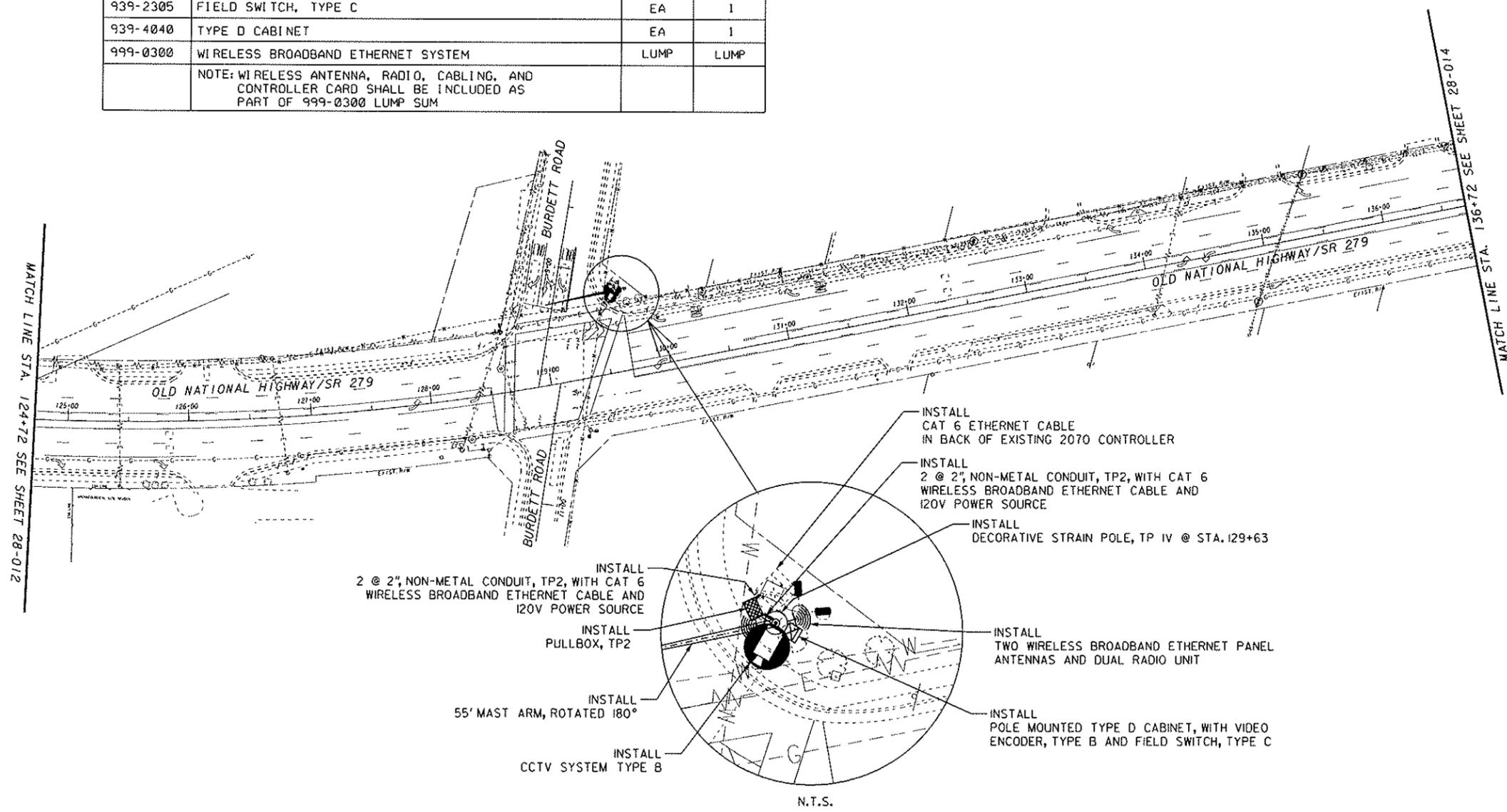
STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
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ATMS PLANS

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FULTON COUNTY

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28-012

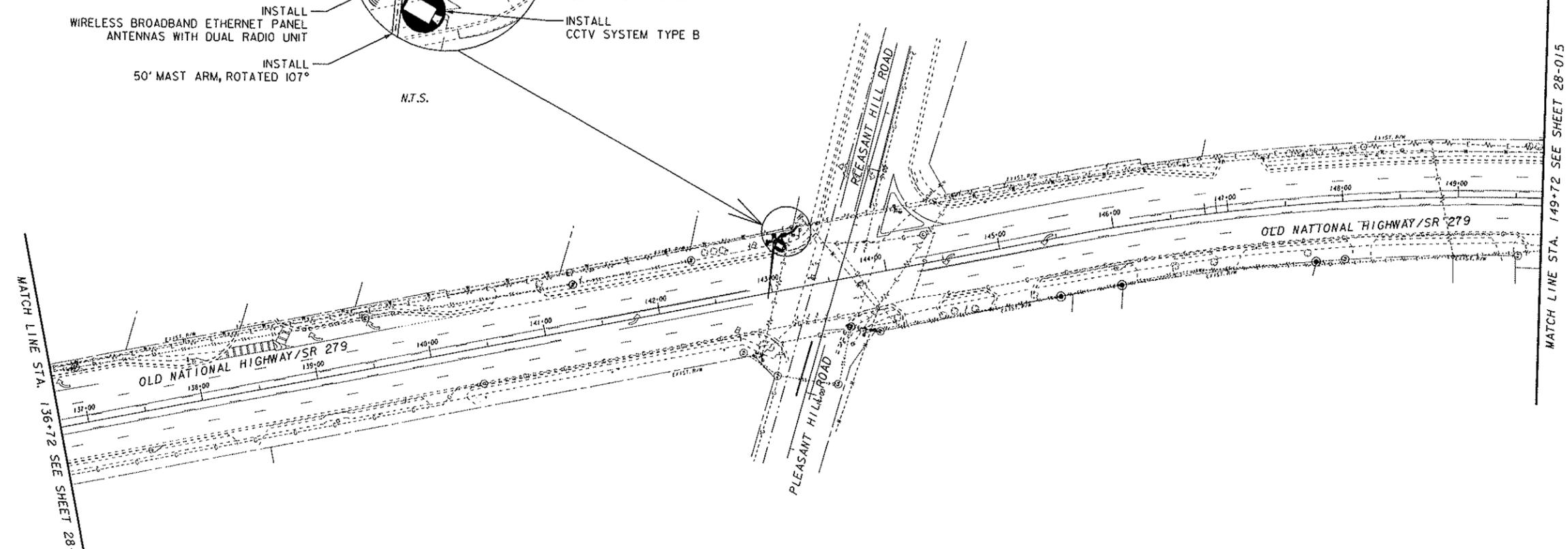
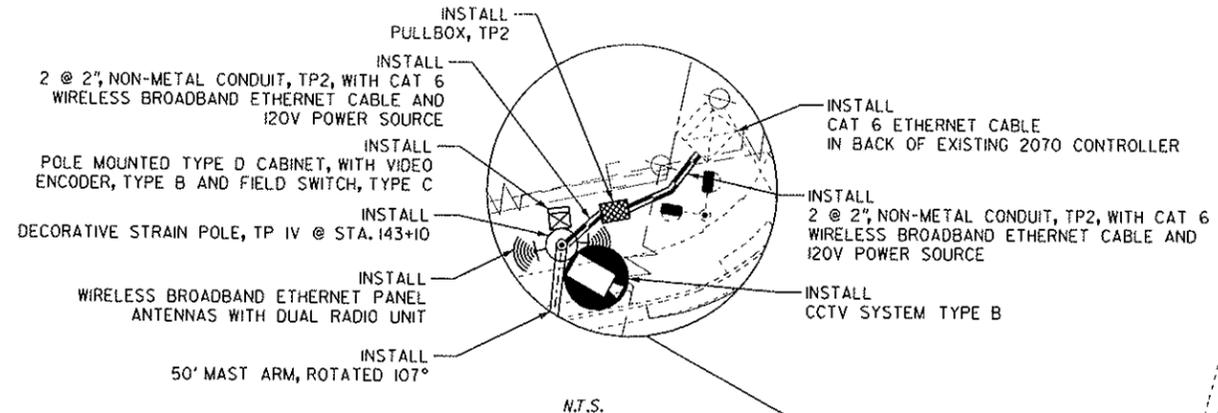
NOTE: POWER TO BE PROVIDED FROM EXISTING TRAFFIC SIGNAL. COST TO BE INCLUDED IN BID PRICE FOR TYPE D CABINET

PAY ITEMS			
639-3004	STEEL STRAIN POLE, TP IV, WITH 55' MAST ARM	EA	1
647-2120	PULL BOX, PB-2	EA	1
682-6222	CONDUIT, NONMETL, TP 2, 2 IN	LF	20
936-1001	CCTV SYSTEM, TYPE B	EA	1
939-1191	VIDEO ENCODER, TYPE B	EA	1
939-2305	FIELD SWITCH, TYPE C	EA	1
939-4040	TYPE D CABINET	EA	1
999-0300	WIRELESS BROADBAND ETHERNET SYSTEM	LUMP	LUMP
	NOTE: WIRELESS ANTENNA, RADIO, CABLING, AND CONTROLLER CARD SHALL BE INCLUDED AS PART OF 999-0300 LUMP SUM		



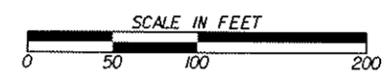
REVISION DATES	

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NOTE: POWER TO BE PROVIDED FROM EXISTING TRAFFIC SIGNAL. COST TO BE INCLUDED IN BID PRICE FOR TYPE D CABINET

PAY ITEMS			
639-3004	STEEL STRAIN POLE, TP IV W/ 50' MAST ARM	EA	1
647-2120	PULL BOX, PB-2	EA	1
682-6222	CONDUIT, NONMETL, TP 2, 2 IN	LF	50
936-1001	CCTV SYSTEM, TYPE B	EA	1
939-1191	VIDEO ENCODER, TYPE B	EA	1
939-2305	FIELD SWITCH, TYPE C	EA	1
939-4040	TYPE D CABINET	EA	1
999-0300	WIRELESS BROADBAND ETHERNET SYSTEM	LUMP	LUMP
NOTE: WIRELESS ANTENNA, RADIO, CABLING, AND CONTROLLER CARD SHALL BE INCLUDED AS PART OF 999-0300 LUMP SUM			

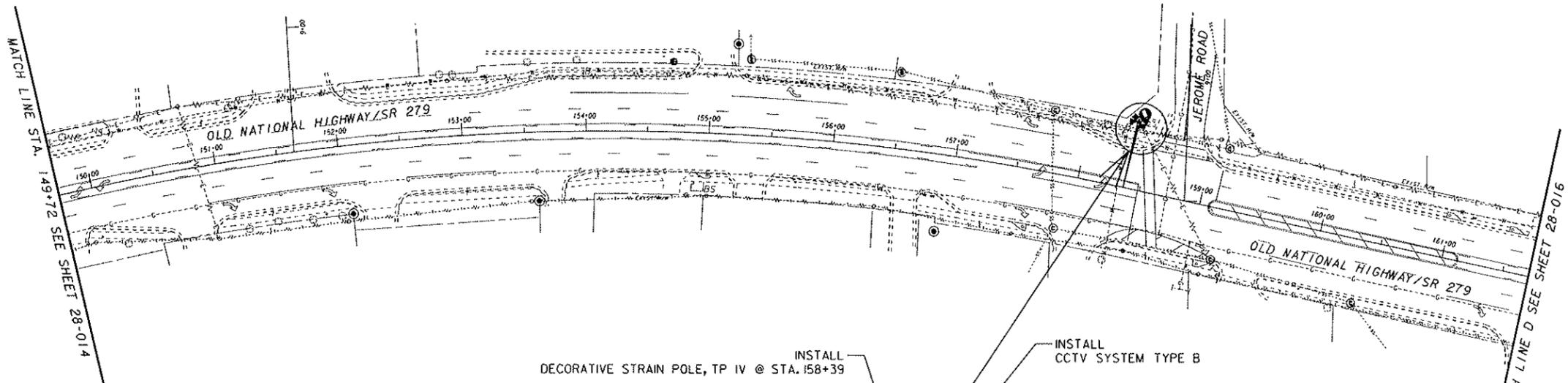


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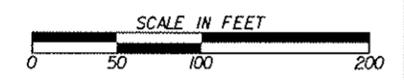
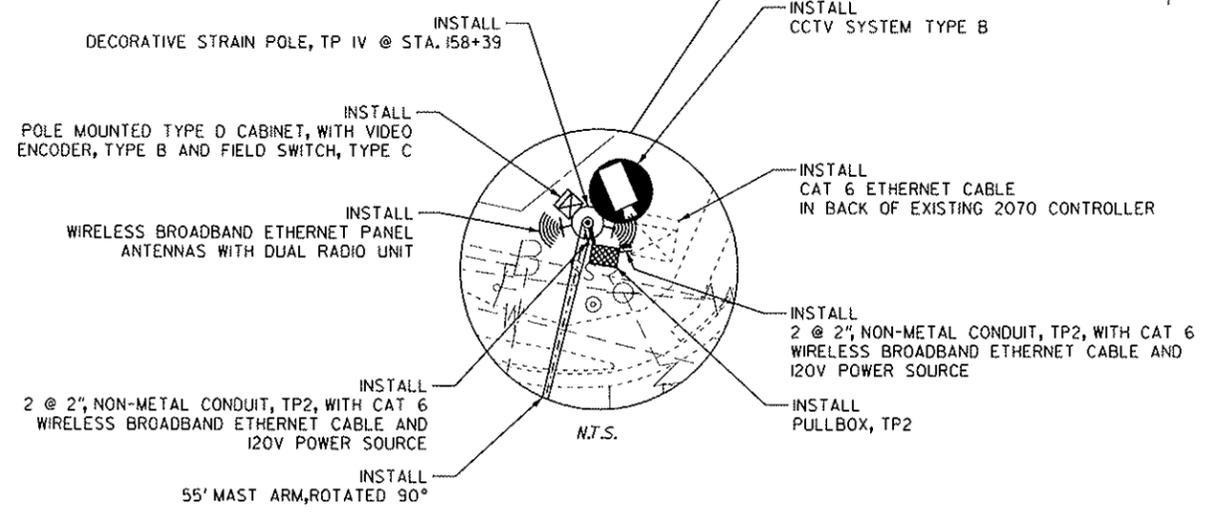
SR 279/OLD NATIONAL HIGHWAY
FULTON COUNTY

DRAWING NO.
28-014



NOTE: POWER TO BE PROVIDED FROM EXISTING TRAFFIC SIGNAL. COST TO BE INCLUDED IN BID PRICE FOR TYPE D CABINET

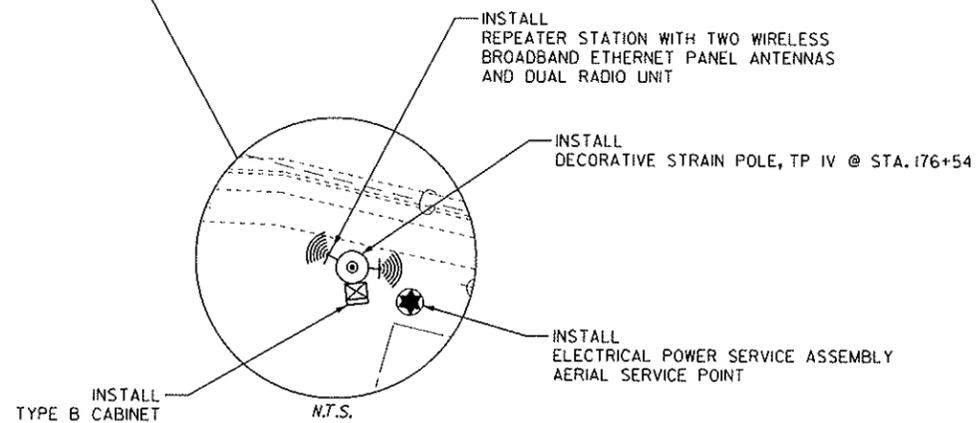
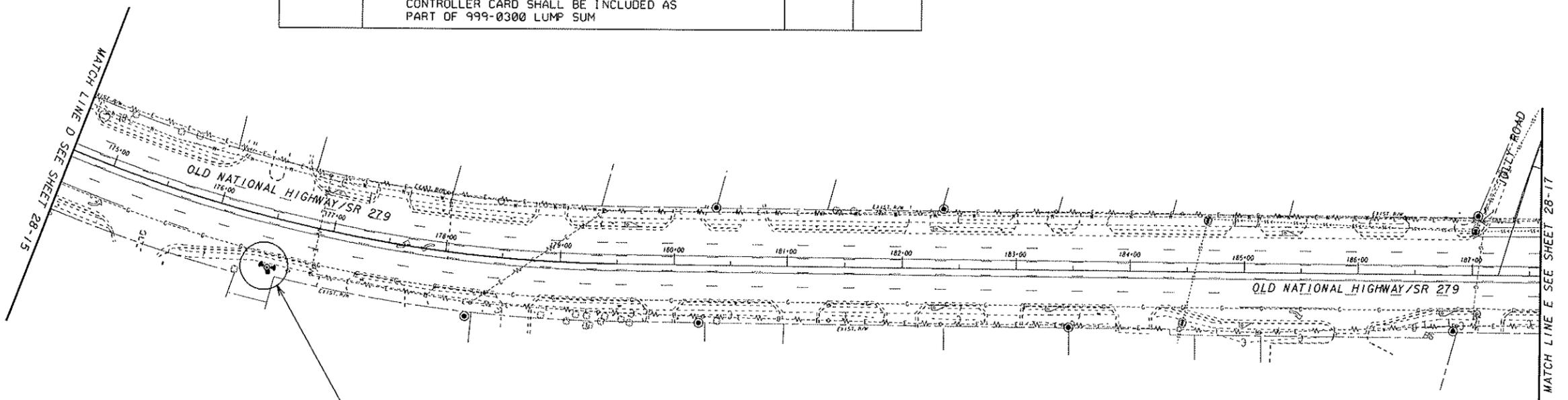
PAY ITEMS			
639-3004	STEEL STRAIN POLE, TP IV, W/ 55' MAST ARM	EA	1
647-2120	PULL BOX, PB-2	EA	1
682-6222	CONDUIT, NONMETL, TP 2, 2 IN	LF	20
936-1001	CCTV SYSTEM, TYPE B	EA	1
939-1191	VIDEO ENCODER, TYPE B	EA	1
939-2305	FIELD SWITCH, TYPE C	EA	1
939-4040	TYPE D CABINET	EA	1
999-0300	WIRELESS BROADBAND ETHERNET SYSTEM	LUMP	LUMP
	NOTE: WIRELESS ANTENNA, RADIO, CABLING, AND CONTROLLER CARD SHALL BE INCLUDED AS PART OF 999-0300 LUMP SUM		



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PAY ITEMS			
639-3004	STEEL STRAIN POLE, TP IV	EA	1
939-4020	TYPE B CABINET	EA	1
939-5010	ELECTRICAL POWER SERVICE ASSEMBLY, AERIAL SERVICE POINT	EA	1
999-0300	WIRELESS BROADBAND ETHERNET SYSTEM	LUMP	LUMP
NOTE: WIRELESS ANTENNA, RADIO, CABLING, AND CONTROLLER CARD SHALL BE INCLUDED AS PART OF 999-0300 LUMP SUM			

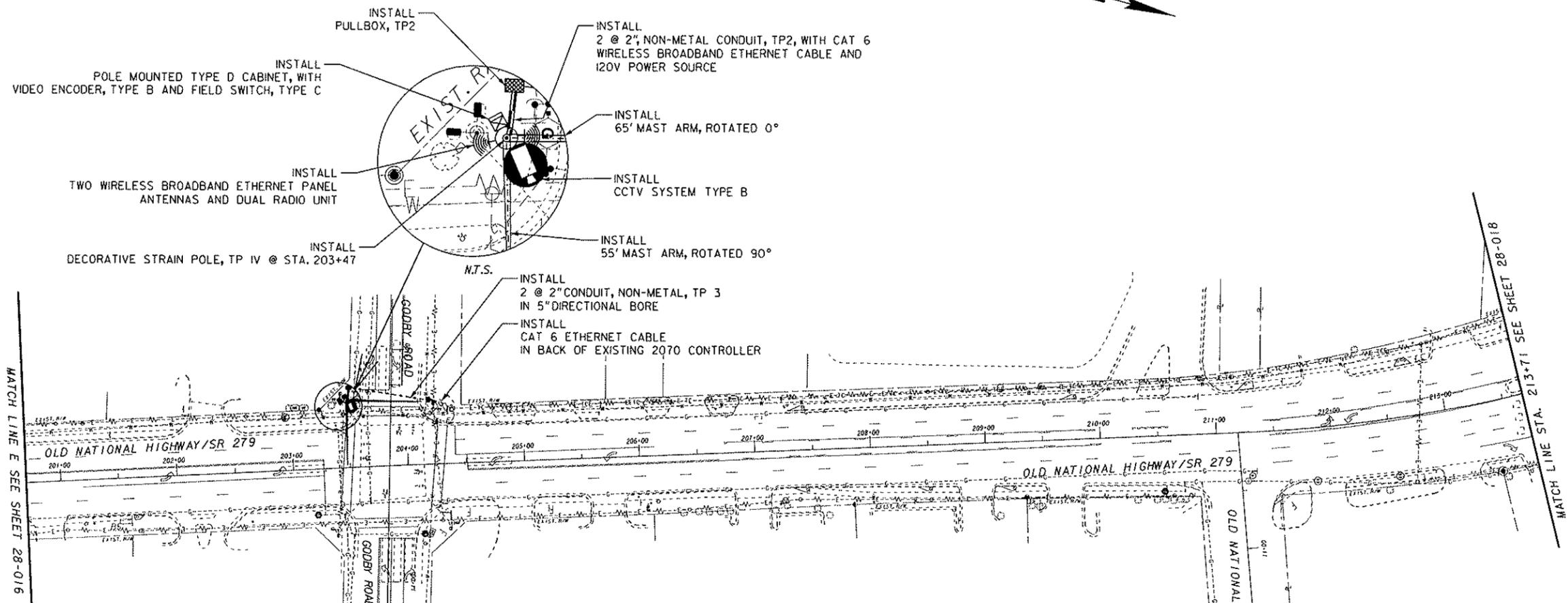


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STATE OF GEORGIA
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DRAWING No.
28-016

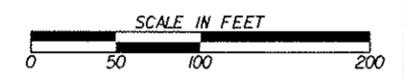


PAY ITEMS			
615-1200	5" DIRECTIONAL BORE	LF	70
639-3004	STEEL STRAIN POLE, TP IV, W/ TANDEM 55' & 65' MAST ARMS	EA	1
647-2120	PULL BOX, PB-2	EA	2
682-6222	CONDUIT, NONMETL, TP 2, 2 IN	LF	30
682-6233	CONDUIT, NONMETL, TP 3, 2 IN	LF	140
936-1001	CCTV SYSTEM, TYPE B	EA	1
939-1191	VIDEO ENCODER, TYPE B	EA	1
939-2305	FIELD SWITCH, TYPE C	EA	1
939-4040	TYPE D CABINET	EA	1
999-0300	WIRELESS BROADBAND ETHERNET SYSTEM	LUMP	LUMP
NOTE: WIRELESS ANTENNA, RADIO, CABLING, AND CONTROLLER CARD SHALL BE INCLUDED AS PART OF 999-0300 LUMP SUM			

COLLEGE PARK POWER CONNECTION REQUIREMENTS

- CONTRACTOR SHALL USE OR SHALL INSTALL POWER BY COLLEGE PAK POWER SPECIFIC POWER CONNECTION REQUIREMENTS AT THIS LOCATION.
- COLLEGE PARK METER BASE REQUIRED AT THIS LOCATION.

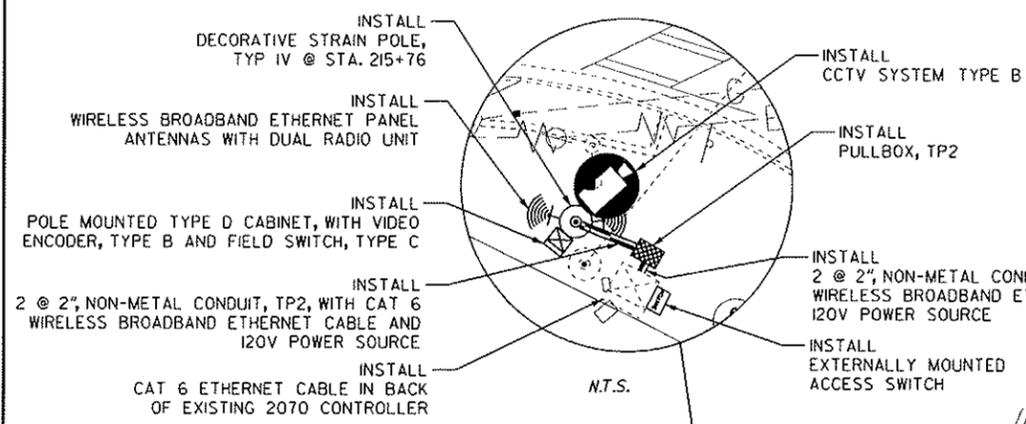
- NOTE: 1. POWER TO BE PROVIDED FROM EXISTING TRAFFIC SIGNAL. COST TO BE INCLUDED IN BID PRICE FOR TYPE D CABINET
 2. RETAIN EXISTING FIBER INTERCONNECTION



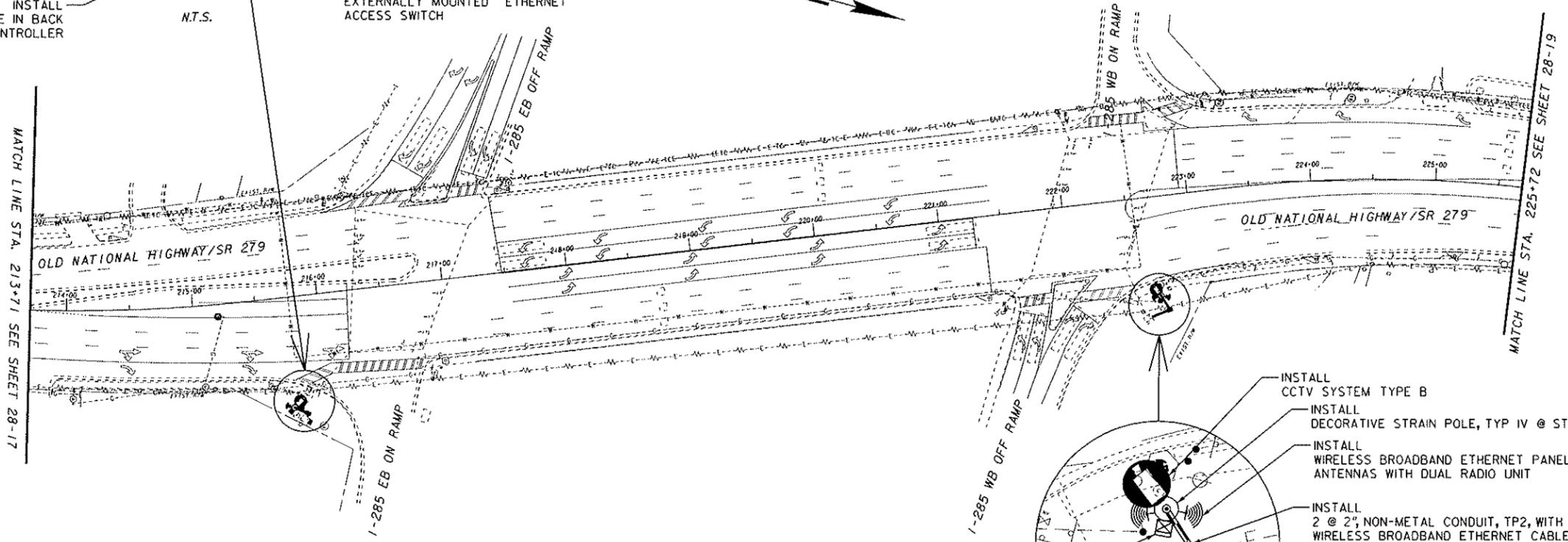
REVISION DATES	

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 ATMS PLANS
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 FULTON COUNTY
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PAY ITEMS			
639-3004	STEEL STRAIN POLE, TP IV	EA	2
647-2120	PULL BOX, PB-2	EA	2
682-6222	CONDUIT, NONMETL, TP 2, 2 IN	LF	85
936-1001	CCTV SYSTEM, TYPE B	EA	2
939-1191	VIDEO ENCODER, TYPE B	EA	2
939-2305	FIELD SWITCH, TYPE C	EA	2
939-4040	TYPE D CABINET	EA	2
999-0300	WIRELESS BROADBAND ETHERNET SYSTEM	LUMP	LUMP
NOTE: WIRELESS ANTENNA, RADIO, CABLING, AND CONTROLLER CARD SHALL BE INCLUDED AS PART OF 999-0300 LUMP SUM			

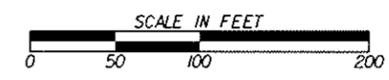
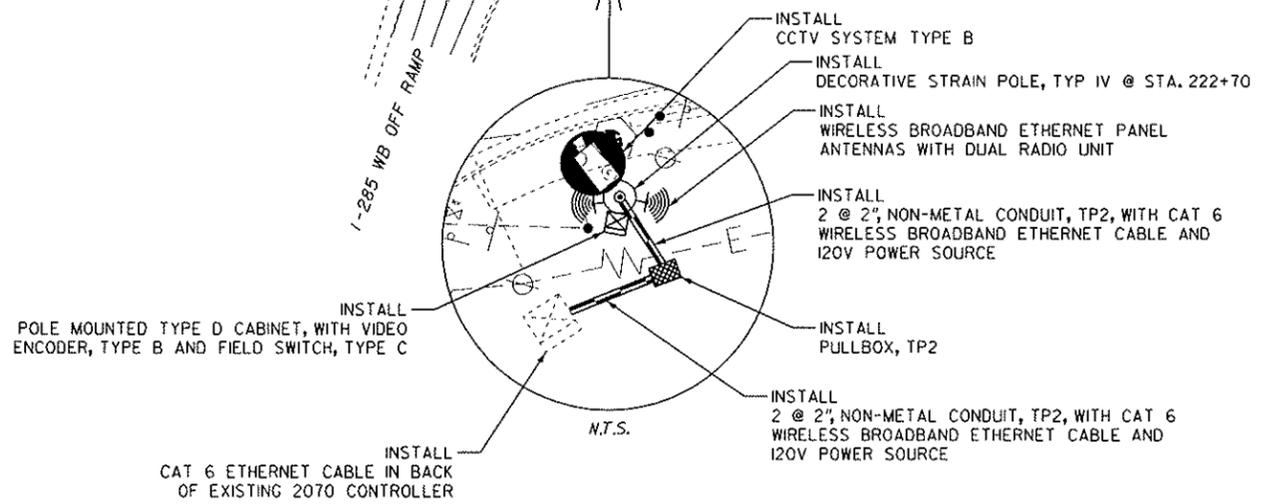


- NOTE: 1. POWER TO BE PROVIDED FROM EXISTING TRAFFIC SIGNAL. COST TO BE INCLUDED IN BID PRICE FOR TYPE D CABINET
2. RETAIN EXISTING FIBER INTERCONNECT
3. CONTRACTOR SHALL USE A 40 MHZ CHANNEL WIDTH FOR THE FIRST WIRELESS LINK BETWEEN I-285 AND GOOBY ROAD
4. CONTRACTOR SHALL COORDINATION WITH FULTON COUNTY IN REGARDS TO PURCHASING AND INSTALLING ETHERNET ACCESS SWITCH



COLLEGE PARK POWER CONNECTION REQUIREMENTS

1. CONTRACTOR SHALL USE OR SHALL INSTALL POWER BY COLLEGE PAK POWER SPECIFIC POWER CONNECTION REQUIREMENTS AT THIS LOCATION.
2. COLLEGE PARK METER BASE REQUIRED AT BOTH CCTV LOCATIONS.



REVISION DATES

NO.	DATE	DESCRIPTION

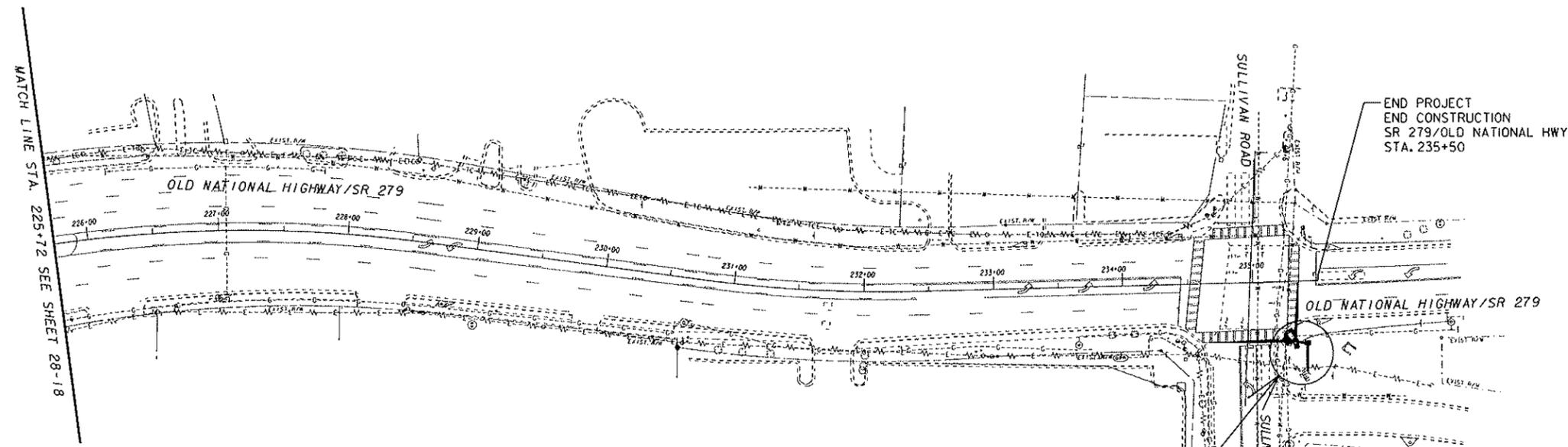
STATE OF GEORGIA
 DEPARTMENT OF TRANSPORTATION
 OFFICE: TRAFFIC OPERATIONS
ATMS PLANS

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 FULTON COUNTY

DRAWING NO. 28-018

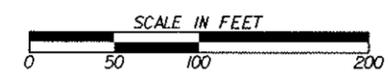
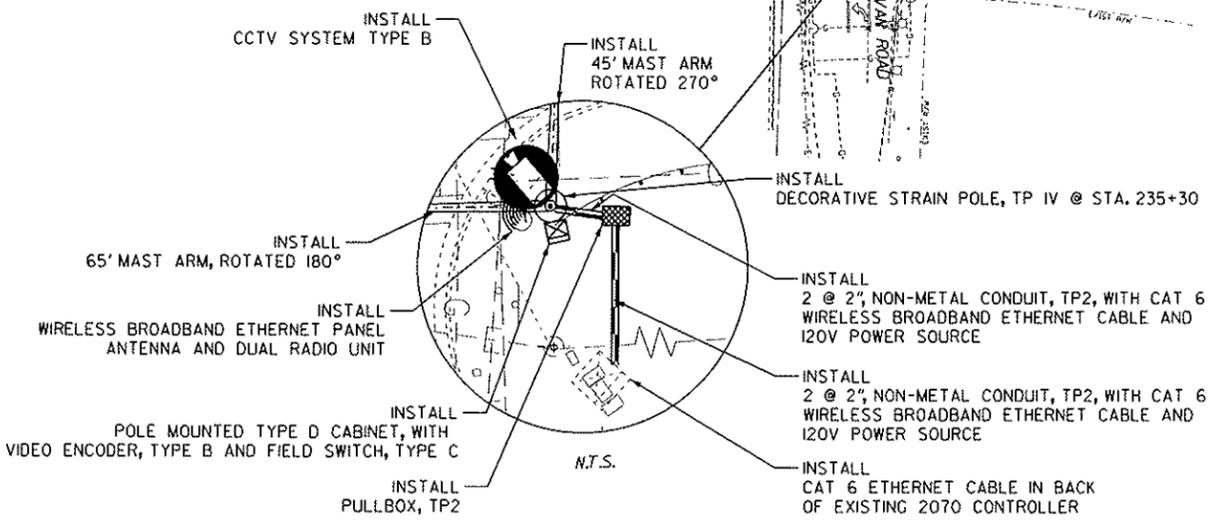
COLLEGE PARK POWER CONNECTION REQUIREMENTS

1. CONTRACTOR SHALL USE OR SHALL INSTALL POWER BY COLLEGE PAK POWER SPECIFIC POWER CONNECTION REQUIREMENTS AT THIS LOCATION.
2. COLLEGE PARK METER BASE REQUIRED AT THIS LOCATION.



- NOTE: 1. POWER TO BE PROVIDED FROM EXISTING TRAFFIC SIGNAL. COST TO BE INCLUDED IN BID PRICE FOR TYPE D CABINET
2. RETAIN EXISTING FIBER INTERCONNECT

PAY ITEMS			
639-3004	STEEL STRAIN POLE, TP IV, W/ TAMDEM 45' & 65' MAST ARMS	EA	1
647-2120	PULL BOX, PB-2	EA	1
682-6222	CONDUIT, NONMETL, TP 2, 2 IN	LF	60
936-1001	CCTV SYSTEM, TYPE B	EA	1
939-1191	VIDEO ENCODER, TYPE B	EA	1
939-2305	FIELD SWITCH, TYPE C	EA	1
939-4040	TYPE D CABINET	EA	1
999-0300	WIRELESS BROADBAND ETHERNET SYSTEM	LUMP	LUMP
NOTE: WIRELESS ANTENNA, RADIO, CABLING, AND CONTROLLER CARD SHALL BE INCLUDED AS PART OF 999-0300 LUMP SUM			



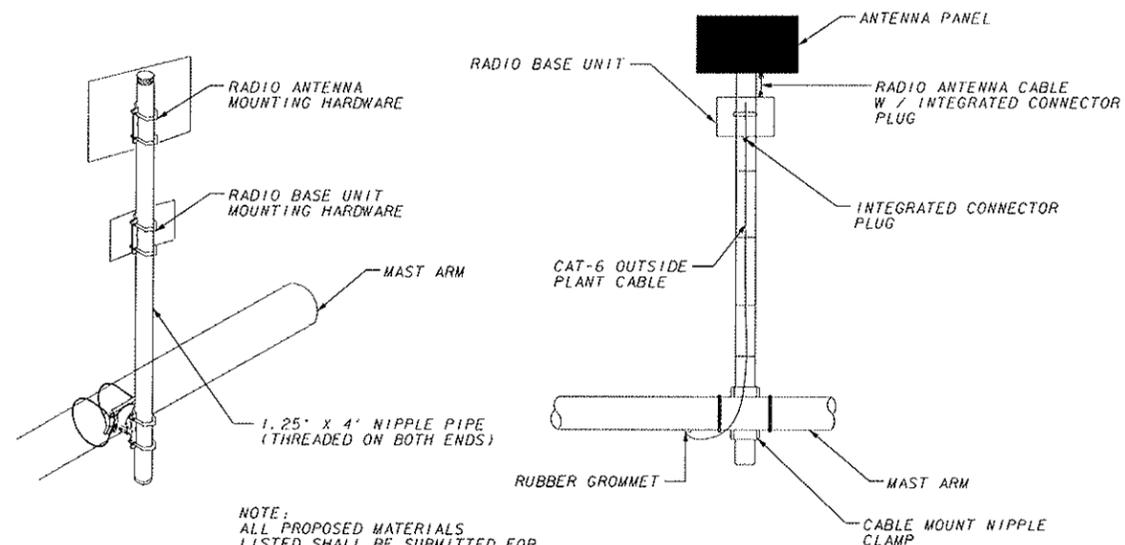
REVISION DATES

NO.	DATE	DESCRIPTION

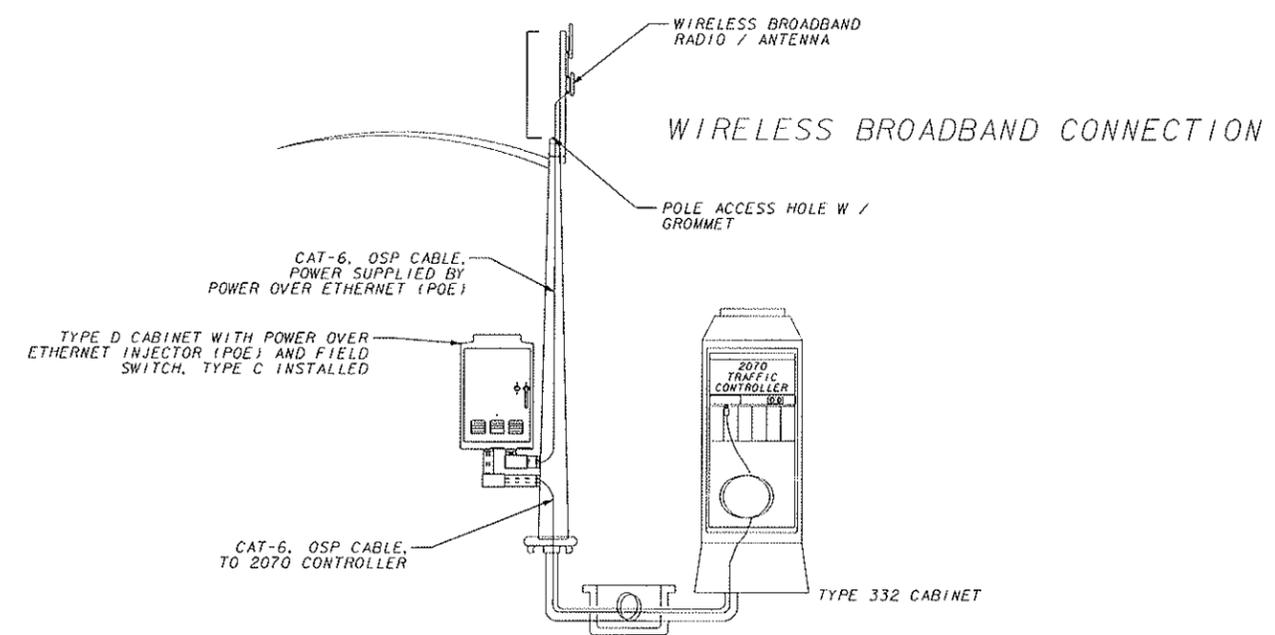
STATE OF GEORGIA
 DEPARTMENT OF TRANSPORTATION
 OFFICE: TRAFFIC OPERATIONS
 ATMS PLANS

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 FULTON COUNTY

DRAWING NO. 28-019



NOTE:
 ALL PROPOSED MATERIALS LISTED SHALL BE SUBMITTED FOR APPROVAL BY THE PROJECT ENGINEER
 ALL MOUNTING HARDWARE SHALL BE INCLUDED IN THE BID PRICE FOR THE WIRELESS BROADBAND SYSTEM, TYPE-A.



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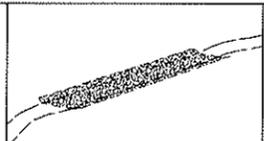
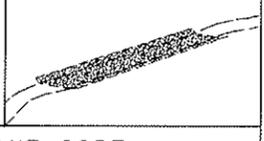
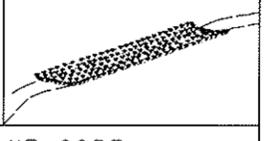
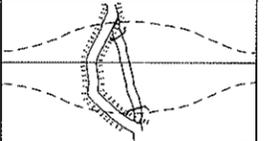
STATE OF GEORGIA
 DEPARTMENT OF TRANSPORTATION
 OFFICE: TRAFFIC OPERATIONS
COMMUNICATION PLAN
 WIRELESS BROADBAND DETAILS
 DRAWING No. 28-020

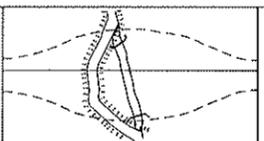
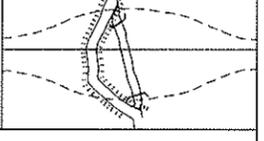
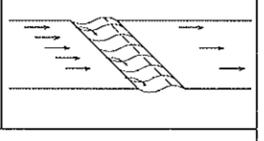
CODE	PRACTICE STD : SPC'S : SECTION	DETAIL	DESCRIPTION
Be	SECTION 161	EARTH BERM 	THIS IS A TEMPORARY EARTH BERM CONSTRUCTED AT THE EDGE OF THE EMBANKMENT DURING THE GRADING OPERATION. THIS BERM WILL PREVENT SLOPE EROSION AND DIRECT RUNOFF TO A DOWN DRAIN "Dn1" OR CATCHMENT AREA. THIS WILL BE USED ON ALL GRADING PROJECTS.
		LINE CODE 	THIS ITEM IS TO BE USED ALONG THE TOP OF HIGH FILL SECTIONS TO DIRECT RUNOFF INTO THE TEMPORARY SLOPE DRAINS.
Bf		BUFFER ZONE 	A STRIP OF UNDISTURBED ORIGINAL VEGETATION, ENHANCED OR RESTORED EXISTING VEGETATION, OR THE RE-ESTABLISHMENT OF VEGETATION SURROUNDING AN AREA OF DISTURBANCE OR BORDERING STREAMS, PONDS, WETLANDS, LAKES, AND COASTAL WATERS. THE BOUNDARIES OF THESE AREAS ARE BE DELINEATED BY ORANGE BARRIER FENCE.
		SYMBOL 	
ESA		ENVIRONMENTALLY SENSITIVE AREA 	ENVIRONMENTALLY SENSITIVE AREA (ESA) CONTAINS RESOURCES THAT ARE ENVIRONMENTALLY, CULTURALLY, OR HISTORICALLY SENSITIVE. ESA AREAS INCLUDE, BUT ARE NOT LIMITED TO: STATE WATER BUFFERS, ARCHAEOLOGICAL SITES, HISTORIC 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.
		ORANGE BARRIER FENCE 	ORANGE BARRIER FENCE DELINEATES ESA AREAS WHERE THE CONTRACTOR SHALL NOT CLEAR, GRUB, PLACE CONSTRUCTION MATERIALS OR EQUIPMENT WITHIN THIS AREA.
		LINE CODE 	ORANGE BARRIER FENCE
Cd-F	CONSTRUCTION DETAIL SECTION 171	FABRIC CHECK DAM 	A CHECK DAM COMPOSED OF SYNTHETIC FIBER FABRIC, WIRE REINFORCED, POST, AND BRACING PLACED IN DITCHES IN A SPECIAL CONFIGURATION WHICH CONTROLS ENERGY DISSIPATION AND FILTRATION OF STORM WATER. SEE CONSTRUCTION DETAIL D-24b FOR SPACING REQUIREMENT.
		LINE CODE 	THIS ITEM IS SUITABLE FOR USE IN ROADSIDE DITCHES THAT ARE PART OF INFRASTRUCTURE CONSTRUCTION PROJECTS. IF THIS ITEM IS USED IN AN AREA WITHOUT A SEDIMENT BASIN CONSIDERATION SHOULD BE GIVEN TO USING TWO OR MORE ROCK FILTER DAMS NEAR THE DISCHARGE POINT.

CODE	PRACTICE STD : SPC'S : SECTION	DETAIL	DESCRIPTION
Cd-Hb	SECTION 163	HAYBALE CHECK DAM 	HAYBALE CHECK DAMS ARE RECOMMENDED FOR DRAINAGE AREA LESS THAN ONE ACRE.
		LINE CODE 	
Cd-S	SECTION 163. 603	STONE OR SANDBAG CHECK DAM 	STONE CHECK DAMS ARE USED IN ROADWAY DITCHES. GEOTEXITILE UNDERLINER SHALL BE USED WHEN PLACING STONE CHECK DAMS.
		LINE CODE 	
Ch-Br	SECTION 161. 715	BITUMINOUS TREATED ROVING 	THIS ITEM CONSISTS OF PLACING ONE OR MORE LAYERS OF BITUMINOUS TREATED ROVING ON A PLANTED AREA, IN CHANNELS TO STABILIZE VEGETATION AND PREVENT EROSION. BITUMINOUS TREATED ROVING SHALL BE PLACED TO PROTECT THE DITCH FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT DITCH PROTECTION PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED.
		LINE CODE 	"Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS
Ch-C	SECTION 161. 441	CHANNEL CONCRETE 	THIS ITEM CONSISTS OF CONSTRUCTING A 4' THICK CONCRETE CHANNEL. THE CONCRETE SHALL PROTECT THE DITCH FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT DITCH PROTECTION PROGRAM.
		LINE CODE 	"Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS

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 CONTROL MEASURES SEE THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

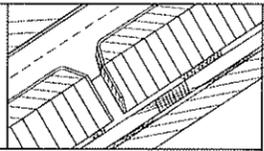
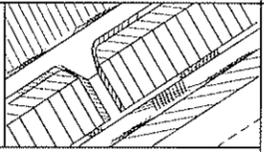
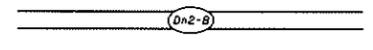
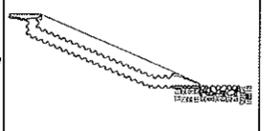
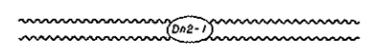
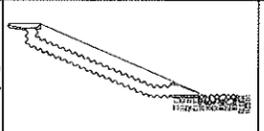
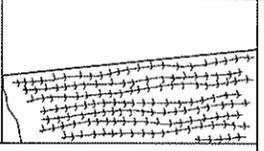
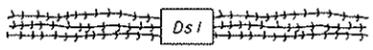
DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA			
EROSION CONTROL LEGEND AND UNIFORM CODE SHEET SHEET 1 OF 6			
REV. BE ADDED BY, ESA, OBF AND CH-F	11-03-07	DATE	
REVISED TITLE BLOCK	11-07	REVISION	
NO SCALE	JANUARY 2007		DRAWING No.
BY	NUMBER	52-001	
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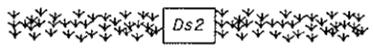
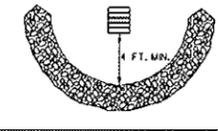
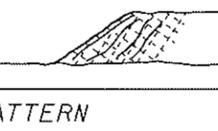
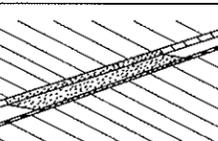
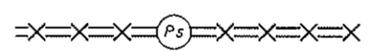
CODE	PRACTICE STD : SPC'S : SECTION	DETAIL	DESCRIPTION
Ch-Rp1	CHANNEL RIP RAP TYPE 1 SECTION 161. 603		THIS ITEM CONSISTS OF LINING A CHANNEL WITH TYPE 1 RIP RAP 24" THICK (UNLESS SPECIFIED OTHERWISE) PLACED ON TOP OF A GEOTEXTILE UNDERLINER. THE RIP RAP SHALL PROTECT THE DITCH FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT DITCH PROTECTION PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED ALONG THIS CHANNEL SUCH AS Sd1-C, Rdc OR Sg.
	LINE CODE		"Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS
Ch-Rp3	CHANNEL RIP RAP TYPE 3 SECTION 161. 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 DITCH FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT DITCH PROTECTION PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED ALONG THIS CHANNEL SUCH AS Sd1-C, Rdc OR Sg.
	LINE CODE		"Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS
Ch-V	CHANNEL GRASS SECTION 161. 700		USED TO IMPROVE OR STABILIZE A NEW OR EXISTING CHANNEL. IT IS CONSTRUCTED IN STORMWATER DRAINAGE DITCHES. THIS MEASURE SHALL BE DESIGNED IN ACCORDANCE WITH THE GDOT DITCH PROTECTION PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED. TYPICALLY NOT SHOWN IN PLANS.
	LINE CODE		
Co	CONSTRUCTION EXIT CONSTRUCTION DETAIL		A STONE STABILIZED PAD LOCATED AT ANY POINT WHERE TRAFFIC WILL BE EXITING A CONSTRUCTION SITE TO A PUBLIC ROAD. BEST USED AT ACCESS POINTS, I. E. NEW LOCATION PROJECTS, BORROW PITS, WASTE PITS, ACCESS ROADS, ETC. SHOULD BE MIN. 20' WIDE AND 50' LONG, AND 6" THICK. REQUIRES A GEOTEXTILE UNDERLINER, INCLUDED IN THE PRICE FOR THE CONSTRUCTION EXIT.
	LINE CODE		
Dc-A	DIVERSION CHANNEL GEOTEXTILE, POLYETHYLENE FILM SECTION 163		A DIVERSION CHANNEL IS 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-C 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 DESIGNED FOR A TWO YEAR STORM FREQUENCY WITH A FLOW RATE BETWEEN 0-2.5 fps. CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE.
	LINE CODE		

CODE	PRACTICE STD : SPC'S : SECTION	DETAIL	DESCRIPTION
Dc-B	DIVERSION CHANNEL GEOTEXTILE ONLY SECTION 163		A DIVERSION CHANNEL IS 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-C 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 DESIGNED FOR A TWO YEAR STORM FREQUENCY WITH A FLOW RATE BETWEEN 2.5-9.0 fps. CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE.
	LINE CODE		
Dc-C	DIVERSION CHANNEL RIPRAP AND GEOTEXTILE SECTION 163		A DIVERSION CHANNEL IS 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 RIPRAP AND GEOTEXTILE. INSTALL TWO ROWS OF Sd1-C 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 DESIGNED FOR A TWO YEAR STORM FREQUENCY WITH A FLOW RATE BETWEEN 9.0-13.0 fps. CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE.
	LINE CODE		
Di	DIVERSION CONSTRUCTION DETAIL SECTION 205		AN EARTH CHANNEL WITH A COMPACTED SUPPORTING RIDGE ON THE LOWER SIDE, CONSTRUCTED ABOVE, ACROSS OR BELOW A SLOPE TO REDUCE THE LENGTH OF A SLOPE AND TO INTERCEPT RUNOFF AND DIRECT THE RUNOFF TO A STABLE OUTLET. SEE CHAPTER 6 OF THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA FOR DESIGN CRITERIA AND DETAILS.
	LINE CODE		
Dn1	DOWN DRAIN STRUCTURE FLEXIBLE CONSTRUCTION DETAIL 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 500 FEET ON A 0 TO 2 PERCENT GRADE, 200 FEET ON STEEPER GRADES AND MORE FREQUENTLY AS DICTATED BY FIELD CONDITIONS. THE USUAL PIPE SIZE IS 10 INCH CORRUGATED. THE OUTLET AREA SHOULD BE STABILIZED WITH SILT FENCE, SUMP HOLE, HAYBALES, ANGLING OUTLET IN UPHILL DIRECTION OR OTHER APPROPRIATE MEANS FOR VELOCITY DISSIPATION AND EROSION CONTROL. THE PIPE WILL BE ANCHORED WITH STAKES AT INTERVALS NOT TO EXCEED 10'.
	LINE CODE		

NOTE:
1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION CONTROL MEASURES SEE THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

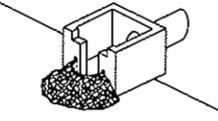
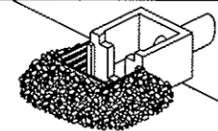
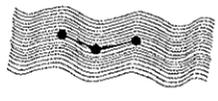
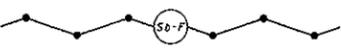
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EROSION CONTROL LEGEND AND UNIFORM CODE SHEET SHEET 2 OF 6			
NO SCALE	JANUARY 2007		
REVISED ORDER	BY	NUMBER	DRAWING No.
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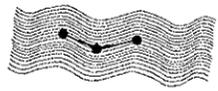
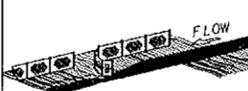
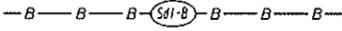
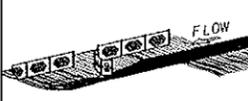
CODE	PRACTICE STD : SPC'S : SECTION	DETAIL	DESCRIPTION
Dn2-A	PERMANENT DOWN DRAIN STRUCTURE CONCRETE CONSTRUCTION DETAIL SECTION 441	 LINE CODE 	A CONCRETE FLUME TYPE "A" IS USED TO DIRECT SURFACE RUNOFF DOWN A ROADWAY SLOPE INTO ANOTHER FORM OF CONTROL. IT IS USED IN ALL DEPRESSED AREAS WHERE WATER WILL FLOW DOWN THE SLOPE. IT IS DESIGNED FOR A 25 YEAR STORM AND MUST HAVE SOME FORM OF OUTLET PROTECTION. ADDITIONAL LABELING IS NOT REQUIRED IF SHOWN AS A PERMANENT DRAINAGE STRUCTURE ON THE CONSTRUCTION PLANS. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OR OTHER CRITERIA).
Dn2-B	PERMANENT DOWN DRAIN STRUCTURE CONCRETE CONSTRUCTION DETAIL SECTION 441	 LINE CODE 	A CONCRETE FLUME TYPE "B" IS USED TO DIRECT SURFACE DITCH RUNOFF DOWN A BACK SLOPE INTO ANOTHER FORM OF CONTROL. IT IS USED IN DEPRESSED AREAS WHERE CONCENTRATED OFFSITE WATER REACHES THE CUT SLOPE. IT IS DESIGNED TO SAFELY CONVEY WATER DOWN THE CUT SLOPE. IT IS DESIGNED FOR A 25 YEAR STORM AND MUST HAVE SOME FORM OF OUTLET PROTECTION. ADDITIONAL LABELING IS NOT REQUIRED IF SHOWN AS A PERMANENT DRAINAGE STRUCTURE ON THE CONSTRUCTION PLANS. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OR OTHER CRITERIA).
Dn2-1	PERMANENT DOWNDRAIN STRUCTURE GA. STD. 9017J TPI, D-26 TPI SECTION 576, 577.	 LINE CODE 	CONCRETE DRAIN INLET WITH METAL PIPE IS USED TO DRAIN CURBS, ON A GRADE, DOWN TO A LOWER ELEVATION. THIS IS A PERMANENT STRUCTURE, REQUIRING OUTLET PROTECTION, TEMPORARY AND PERMANENT. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OR OTHER CRITERIA).
Dn2-2	PERMANENT DOWN DRAIN STRUCTURE GA. STD. 9017J TP2, D-26 TP2 SECTION 576, 577.	 LINE CODE 	CONCRETE DRAIN INLET AND METAL PIPE IS USED TO DRAIN CURB, IN A SAG, DOWN TO A LOWER ELEVATION. THIS IS A PERMANENT STRUCTURE, REQUIRING OUTLET PROTECTION, TEMPORARY AND PERMANENT. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OR OTHER CRITERIA).
Ds1	MULCH SECTION 163	 LINE CODE 	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.

CODE	PRACTICE STD : SPC'S : SECTION	DETAIL	DESCRIPTION
Ds2	TEMPORARY GRASSING SECTION 163	 LINE CODE 	THE SOWING OF A QUICK GROWING SPECIES OF GRASS SUITABLE TO THE AREA AND SEASON IS TO BE USED ON ALL PROJECTS.
Fr	FILTER RING CONSTRUCTION DETAIL	 LINE CODE 	A TEMPORARY STONE BARRIER CONSTRUCTED AT DRAINAGE STRUCTURE INLETS. THIS REDUCES THE VELOCITY OF THE RUNOFF AND FILTERS SEDIMENT FROM THE RUNOFF. SEE CHAPTER 6 OF THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA FOR DESIGN CRITERIA AND DETAILS.
Md	EROSION CONTROL MATS CONSTRUCTION DETAIL SECTION 716	 PATTERN 	ALL CUT OR FILL SLOPES OF 2.5:1 OR STEEPER AND WITHIN 50' OF ALL CROSS DRAINS AND CULVERTS.
Ps	PERMANENT SOIL REINFORCING MAT CONSTRUCTION DETAIL SECTION 710	 LINE CODE 	THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN DITCHES TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG TERM PROTECTION. (THIS IS CALLED "W1" IN MANUAL FOR EROSION & SEDIMENT CONTROL IN GEORGIA.)

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 CONTROL MEASURES SEE THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

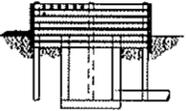
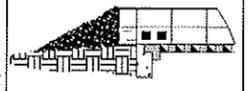
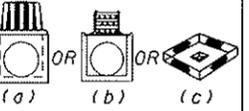
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EROSION CONTROL LEGEND AND UNIFORM CODE SHEET SHEET 3 OF 6	
NO SCALE	JANUARY 2007
DELETED Fg, REVISED ORDER 1-13-07 REVISED TITLE BLOCK 1-19-07	DATE
GLO CLO BY	REVISION
NUMBER EC-L3	DRAWING No. 52-003

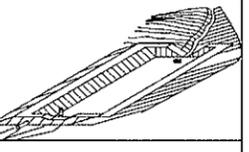
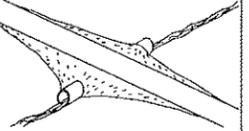
CODE	PRACTICE STD : SPC'S : SECTION	DETAIL	DESCRIPTION
Rd	ROCK FILTER DAM CONSTRUCTION DETAIL SECTION 163. 603.		ROCK FILTER DAMS ARE CONSTRUCTED OF TYPE 3 STONE RIP RAP AND ARE USED TO PROTECT SMALL STREAMS OR DRAINAGEWAYS. TO BE USED IN SMALL DRAINAGE CHANNELS OF 50 ACRES OR LESS. THE RIP RAP SHOULD BE PLACED ON A GEOTEXTILE UNDERLINER.
	LINE CODE		
Rp	RIPRAP SECTION 603		RIP RAP IS A FLEXIBLE PERMANENT BLANKET FOR PROTECTION OF FILL SLOPES AND 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.
	PATTERN		
R1-P	RETROFITTING CONSTRUCTION DETAIL 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.
	LINE CODE		
R1-B	RETROFITTING CONSTRUCTION DETAIL SECTION 163		A SLOTTED BOARD DAM WITH STONE 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 100 ACRES TOTAL DRAINAGE AREA.
	LINE CODE		
Sb-F	SILT RETENTION BARRIER FLOATING SECTION 170		A FLOATING BARRIER IS USED TO PREVENT SEDIMENT FROM MOVING IN WATER BY FORCING IT TO DROP OUT OF SUSPENSION BEFORE IT MOVES OUT OF THE CONSTRUCTION AREA. IT IS USUALLY USED WHERE CONSTRUCTION IS REQUIRED IN A LARGE BODY OF WATER SUCH AS LAKES AND RIVERS. IT SHOULD BE USED AS DIRECTED BY THE ENGINEER.
	LINE CODE		

CODE	PRACTICE STD : SPC'S : SECTION	DETAIL	DESCRIPTION
Sb-S	SILT RETENTION BARRIER STAKED SECTION 170		A STAKED BARRIER IS USED TO PREVENT SEDIMENT FROM MOVING IN WATER BY FORCING IT TO DROP OUT OF SUSPENSION BEFORE IT MOVES OUT OF THE CONSTRUCTION AREA. IT IS USUALLY USED WHERE CONSTRUCTION IS REQUIRED IN SHALLOW INUNDATED AREAS. IT SHOULD BE USED AS DIRECTED BY THE ENGINEER. A STAKED BARRIER MAY BE USED TO PROTECT A SMALL STREAM WHILE IT IS BEING REALIGNED OR WIDENED IN "CH". IN THIS CASE THE BARRIER SHOULD EXTEND TO THE BOTTOM OF THE STREAM. IT SHOULD BE LIMITED TO 5' IN HEIGHT UNLESS OTHERWISE DIRECTED. STAKED BARRIERS IN SMALL STREAMS SHOULD EXTEND 1' ABOVE NORMAL WATER. THIS ITEM IS ONLY TO BE USED WHEN PERMITTED FILL IS BEING PLACED INTO A STATE WATER, OR AS A SUPPLEMENT TO ADEQUATELY PLACED BMP'S.
	LINE CODE		
Sd1-A	SILT FENCE TYPE A CONSTRUCTION DETAIL SECTION 171		USED ALONG THE TOE OF FILLS OVER 10' HIGH, ALONG THE RIGHT OF WAY LINE OR PARALLEL TO STREAMS. THE FENCE SHOULD NEVER RUN CONTINUOUS. IT SHOULD TURN BACK INTO THE FILL TO CREATE SMALL POCKETS TO TRAP SILT.
	LINE CODE		
Sd1-B	SILT FENCE TYPE B CONSTRUCTION DETAIL SECTION 171		TYPE B MAY BE USED IN LIEU OF BALED STRAW AND AT THE TOE OF FILLS LESS THAN 10 FEET HIGH.
	LINE CODE		
Sd1-C	SILT FENCE TYPE C CONSTRUCTION DETAIL SECTION 171		A WOVEN SYNTHETIC FIBER FABRIC PLACED IN FRONT OF A WIRE FENCE. IT CAN BE USED ALONG THE TOE OF THE FILL, ALONG THE RIGHT OF WAY LINE OR PARALLEL TO STREAMS. IT IS USED TO CAPTURE SEDIMENT FROM FILLS OVER 10 FEET HIGH AND UNDER ALL BRIDGES.
	LINE CODE		

NOTE:
 1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
 2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION CONTROL MEASURES SEE THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

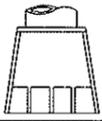
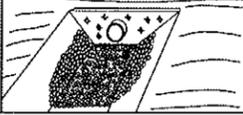
DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA			
EROSION CONTROL LEGEND AND UNIFORM CODE SHEET SHEET 4 OF 6			
REV. 11-13-07	Sb-F, Sb-S, Sd1-A, Sd1-B AND Sd1-C	REVISED TITLE BLOCK	DATE
NO SCALE		JANUARY 2007	
BY	NUMBER	DRAWING NO.	
GLO	EC-L4	52-004	

CODE	PRACTICE STD :SPC'S :SECTION	DETAIL	DESCRIPTION
(Sd1-Bb)	BRUSH BARRIER CONSTRUCTION DETAIL		THIS ITEM CONSISTS OF INTERMINGLED BRUSH, LOGS, ETC. SO AS NOT TO FORM A SOLID DAM. CONSTRUCTED AT THE TOE OF FILL SLOPES 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. PAYMENT FOR THIS ITEM IS INCLUDED IN THE CLEARING AND GRUBBING COST. NO SEPERATE PAYMENT SHALL BE MADE.
		LINE CODE * * * (Sd1-Bb) * * *	
(Sd1-Hb)	SEDIMENT BARRIER CONSTRUCTION DETAIL SECTION 163		A BARRIER OF BALED STRAW IS USED TO PREVENT SEDIMENT FROM LEAVING THE CONSTRUCTION SITE. IT IS USED IN DITCHES AS DITCH CHECKS OR ALONG THE TOE OF SLOPE OR RIGHT OF WAY IN FILLS LESS THAN 10 FEET HIGH. THE BALES SHOULD RUN PARALLEL TO THE SILT YIELDING AREA UNTIL THE TOP OF THE BALE IS 6 INCHES LOWER THAN THE GROUND ELEVATION OF THE BEGINNING BALE. THEY SHOULD THEN TURN INTO THE FILL WITH A LOW POINT FOR THE WATER TO DRAIN OVER THE BALE. IN DITCHES, BALED STRAW SHOULD BE PERPENDICULAR TO THE FLOW, USED FOR SLOPES LESS THAN 1%. USE 100' SPACING. BALED STRAW SHALL BE STAKED SECURELY TO THE GROUND.
		LINE CODE -s-s-s (Sd1-Hb) -s-s-s-	
(Sd2-B)	BAFFLE BOX INLET SEDIMENT TRAP CONSTRUCTION DETAIL D42 SPECIFICATIONS SECTION 163		USED FOR INLETS RECEIVING RUNOFF WITH A HIGHER VOLUME OR VELOCITY. A GUIDE FOR USE WILL BE FOR AN INLET RECEIVING A Q-7 cfs.
		LINE CODE (Sd2-B)	
(Sd2-Bg)	BLOCK & GRAVEL DROP INLET PROTECTION CONSTRUCTION DETAIL D42 SPECIFICATIONS SECTION 163		USED FOR INLET PROTECTION 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 A Q-5-7 cfs.
		LINE CODE (Sd2-Bg)	
(Sd2-F)	INLET SEDIMENT TRAP CONSTRUCTION DETAILS SECTION 163		(a) A SEDIMENT BARRIER CONSISTING OF A PREFABRICATED FRAME WITH FILTER FABRIC USED AROUND A DROP INLET OR CATCH BASIN (b) A SEDIMENT BARRIER CONSISTING OF A PERFORATED METAL STAND PIPE WITH FILTER FABRIC USED AROUND A DROP INLET OR CATCH BASIN (c) TYPE C SILT FENCE WITH SUPPORTING FRAME CAN BE USED AS AN ALTERNATE TO INLET SEDIMENT TRAP FOR AREAS WITH SLOPES < 5% THIS ITEM IS USED TO PREVENT SILT FROM ENTERING THE PIPE SYSTEM. SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS. RECOMMENDED FOR INLET RECEIVING FLOWS THAT RANGE FROM 0-0-4 cfs.
		LINE CODE (Sd2-F)	

CODE	PRACTICE STD :SPC'S :SECTION	DETAIL	DESCRIPTION
(Sd2-G)	GRAVEL DROP INLET PROTECTION CONSTRUCTION DETAIL D42 SPECIFICATIONS SECTION 163		USED FOR INLET PROTECTION 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 A Q-3-5 cfs.
		LINE CODE (Sd2-G)	
(Sd3)	SEDIMENT BASIN CONSTRUCTION DETAIL SECTION 163		A BASIN EXCAVATED OR AN AREA THAT IS DAMMED. THE BASIN IS DESIGNED TO HOLD A SEDIMENT LOAD OF 67 CUBIC YARDS OF VOLUME PER ACRE OF DRAINAGE AREA. IT IS USED FOR DRAINAGE AREAS OF 3 TO 5 ACRES OR WHERE A ROADWAY CUTS OR FILLS EXCEEDS 1,000 FEET IN LENGTH. IF A SEDIMENT BASIN IS USED ON AN AREA LARGER THAN 5 ACRES SPECIAL CONSIDERATION FOR CLEAN OUT IS REQUIRED. SUFFICIENT RIGHT OF WAY OR PERMANENT EASEMENT NEEDED FOR THE BASIN AND ACCESS FOR CLEAN OUT VIA A ROUTE WITH 3:1 SLOPES OR LESS. SEDIMENT BASINS SHOULD ALSO BE CONSIDERED WHERE HIGH FILLS OVER 30 FEET DRAIN TO ONE LOCATION.
		LINE CODE (Sd3)	
(Sg-1) (Sg-2) (Sg-3)	SILT CONTROL GATES CONSTRUCTION DETAIL D-20 SECTION 163		A SILT CONTROL GATE IS A STRUCTURE PLACED ON A PIPE, SMALL BOX CULVERT, OR DROP INLET TO FORM A BASIN TO CATCH SILT AND PREVENT IT FROM LEAVING THE CONSTRUCTION SITE. IT IS EFFECTIVE ON SMALL DRAINAGE AREAS ONLY. DO NOT USE IN STATE WATERS. Sg-1-TYPE 1: USED ON BOX CULVERTS Sg-2-TYPE 2: USED ON STRAIGHT HEADWALLS Sg-3-TYPE 3: USED ON FLARED END SECTIONS AND TAPERED HEADWALLS
		LINE CODE (Sg-1) (Sg-2) (Sg-3)	
(Sr)	STREAM CROSSING SECTION 161		A TEMPORARY BRIDGE OR PIPE STRUCTURE PROTECTING A STREAM OR WATER COURSE FROM DAMAGE BY CONSTRUCTION EQUIPMENT. THIS AREA MUST BE COMPLETELY STABILIZED. THIS ITEM MUST BE DESIGNED ACCORDING TO CHAPTER 6 OF THE MANUAL FOR EROSION CONTROL IN GEORGIA
		LINE CODE (Sr)	

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DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
EROSION CONTROL LEGEND AND UNIFORM CODE SHEET SHEET 5 OF 6	
NO SCALE	JANUARY 2007
REVISED TITLE BLOCK	DRAWING NO.
REV. 13-07 REV. 09-07 REV. 08-07 REV. 07-07 REV. 06-07 REV. 05-07 REV. 04-07 REV. 03-07 REV. 02-07 REV. 01-07	52-005

CODE	PRACTICE STD :SPC's :SECTION	DETAIL	DESCRIPTION
St	STORM DRAIN OUTLET PROTECTION GA. STD. 1125 & 2332		A PIPE OR BOX CULVERT OUTLET HEADWALL WITH AN APRON AND DISSIPATOR BLOCKS IS USED TO PREVENT EROSION AND TO SLOW WATER. IT IS USED ON THE OUTLET OF ALL BOX CULVERTS AND ON 48" AND LARGER PIPES. MAY BE USED ON INLET FOR FLOWING STREAMS. USE ON SMALL PIPES WHEN OUTLET VELOCITY IS 12 fps AND GREATER.
	LINE CODE		
St-Rp	STORM DRAIN OUTLET PROTECTION SECTION 603		THIS ITEM IS ADDED TO "St" WHEN ADDITIONAL PROTECTION IS NEEDED. TYPE 1 RIP RAP PLACED ON FILTER FABRIC SHOULD BE USED AT A 24" THICKNESS. MAY BE USED ON INLETS FOR FLOWING STREAMS. REFER TO CHARTS IN "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR QUANTITY DETERMINATION.
	PATTERN		
Su	SURFACE ROUGHENING SERRATED SLOPES CONSTRUCTION DETAIL SECTION 205		PROVIDING A ROUGH SOIL SURFACE WITH HORIZONTAL DEPRESSIONS. BY OPERATING A CLEATED DOZER ON THE SLOPE IN A VERTICAL DIRECTION. CREATING SERRATED SLOPES IN THE GRADING PROCESS TO CONSTRUCT BENCHES WILL REDUCE RUNOFF VELOCITY AND INCREASE INFILTRATION OF WATER.
	LINE CODE		
	(LINE CODE Su IS SHOWN ON THE PLANS FOR SERRATED SLOPES WHERE SPECIFIED IN THE SOIL SURVEY.)		

CODE	PRACTICE STD :SPC's :SECTION	DETAIL	DESCRIPTION

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	DATE	DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
	REVISION	EROSION CONTROL LEGEND AND UNIFORM CODE SHEET SHEET 6 OF 6	
		NO SCALE	NOV., 2007
	BY	NUMBER EC-L6	DRAWING No. 52-006

