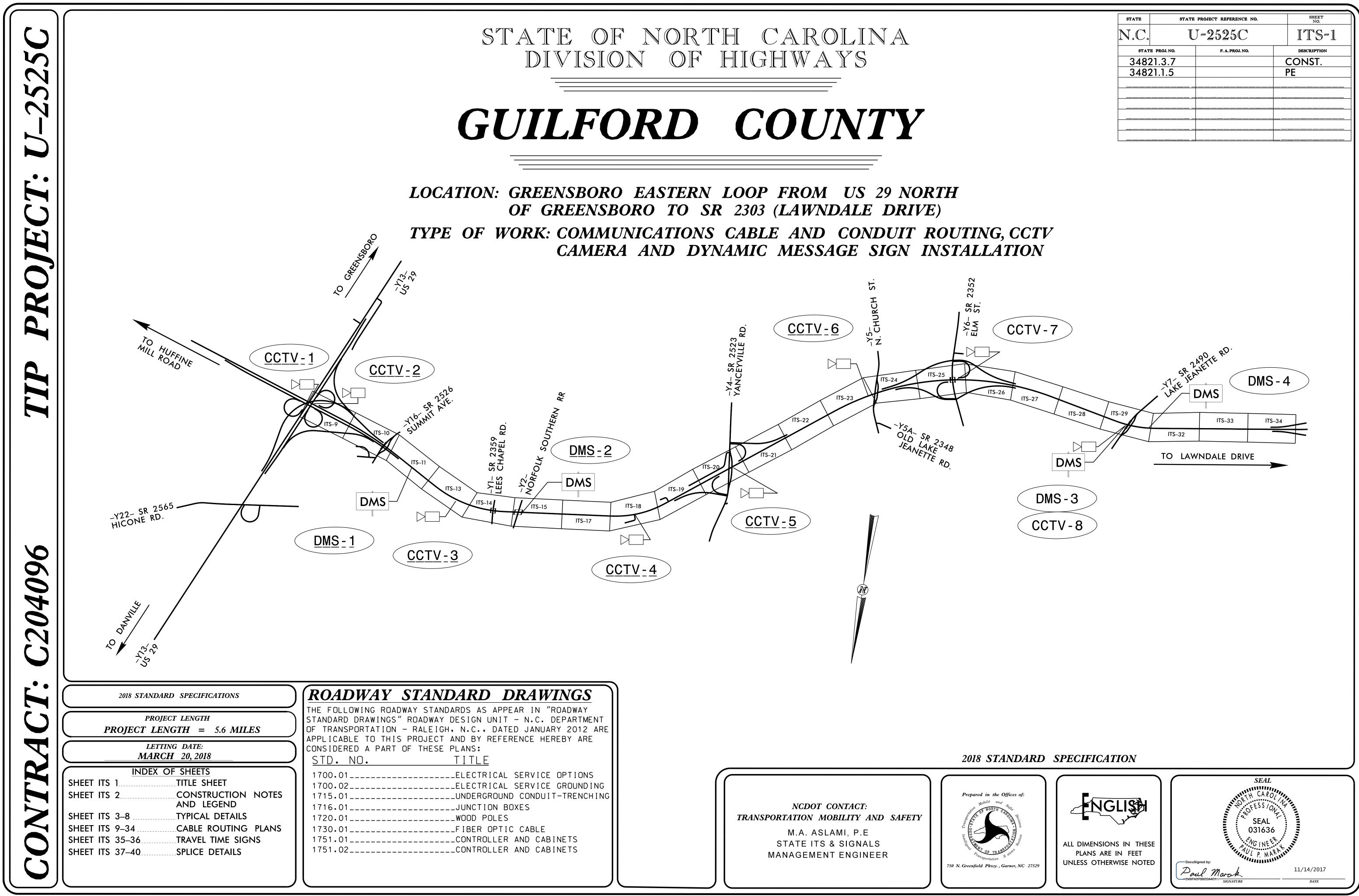
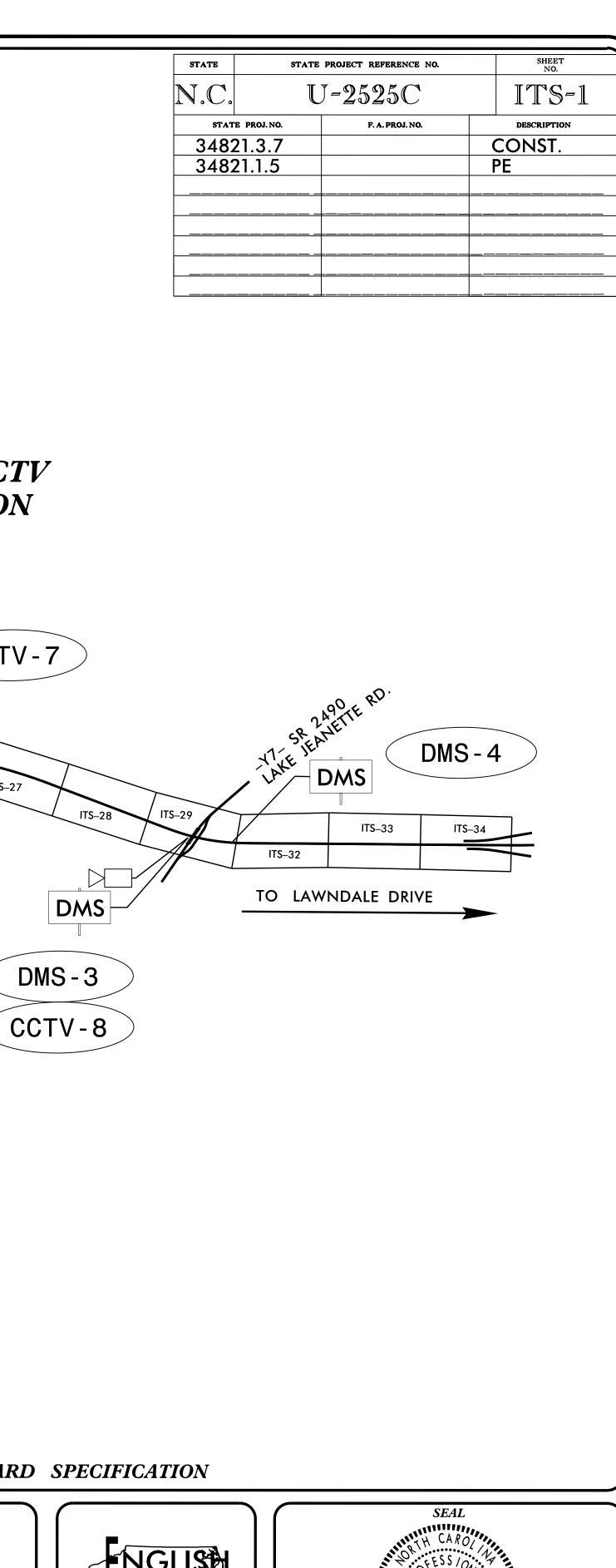
This electronic collection of documents is provided for the convenience of the user and is Not a Certified Document -

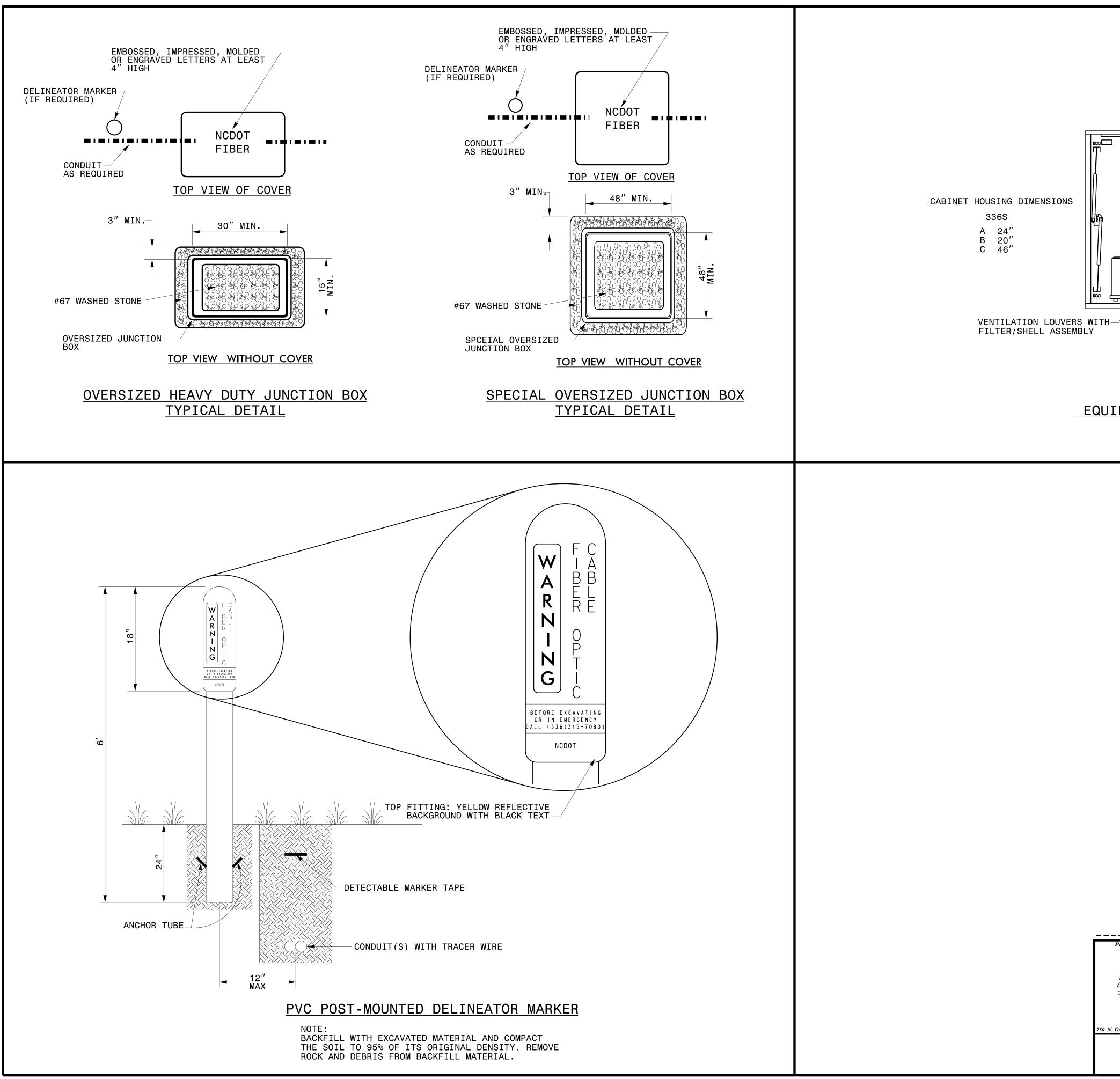
The documents contained herein were originally issued and sealed by the individuals whose names and license numbers appear on each page, on the dates appearing with their signature on that page. This file or an individual page shall not be considered a certified document.





				PROJECT REFERENCE NO. SHEET NO.
	INSTALL 3-WIRE COPPER SERVICE ENTRANCE CONDUCTORS			<u>LEGEND</u> <u>U-2525C</u> IIS-2_
		35	REMOVE EXISTING CABINET FOUNDATION	
$\frac{2}{\sqrt{2}}$	INSTALL 4-WIRE COPPER FEEDER CONDUCTORS	36	INSTALL CCTV CAMERA ASSEMBLY	
$\frac{3}{2}$	INSTALL 3-WIRE COPPER FEEDER CONDUCTORS	37	INSTALL CCTV CAMERA METAL POLE WITH LOWERING DEVICE AND FOUNDATION	FOFO
	INSTALL SMFO CABLE	38	INSTALL CCTV CAMERA METAL POLE AND FOUNDATION	EXISTING CONDUIT
5	REUSE EXISTING SMFO CABLE	39	INSTALL STANDARD JUNCTION BOX	
	INSTALL FIBER OPTIC DROP CABLE	40	INSTALL OVERSIZED JUNCTION BOX	B&J B&J B&J NEW BORED AND JACKED CONDUIT
	INSTALL TRACER WIRE	41	INSTALL SPECIAL OVERSIZED JUNCTION BOX	-r = EXISTING GUARDRAIL
	TRENCH	42	INSTALL WOOD POLE	
		43	INSTALL 6" x 6" WOOD PEDESTAL	EXISTING JUNCTION BOX O NEW WOOD POLE
9	INSTALL PVC CONDUIT			EXISTING WOOD POLE NEW SPLICE ENCLOSURE
	INSTALL RIGID, GALVANIZED STEEL CONDUIT	44	INSTALL AERIAL GUY ASSEMBLY	S EXISTING SPLICE ENCLOSURE
	INSTALL RIGID, GALVANIZED STEEL RISER WITH WEATHERHEAD	45	INSTALL STANDARD GUY ASSEMBLY	NEW METAL POLE
(12)	INSTALL RIGID, GALVANIZED STEEL RISER WITH FIBER OPTIC CABLE SEAL	46	INSTALL SIDEWALK GUY ASSEMBLY	NEW CCTV CAMERA ASSEMBLY PROPOSED PEDESTAL-MOUNTED DMS STRUCTURE
(13)	INSTALL POLYETHYLENE CONDUIT IN EXISTING OUTERDUCT	47	INSTALL MESSENGER CABLE	EXISTING PEDESTAL-MOUNTED DMS STRUCTURE
	INSTALL POLYETHYLENE CONDUIT	48	REMOVE EXISTING COMMUNICATIONS CABLE AND MESSENGER CABLE	C NEW STANDARD GUY ASSEMBLY \[colored] NEW ELECTRICAL SERVICE
(15)	DIRECTIONAL DRILL CONDUIT	49	REMOVE EXISTING COMMUNICATIONS CABLE	XX-XXXX NEW ITS DEVICE NUMBER
(16)	BORE AND JACK CONDUIT	50	INSTALL TELEPHONE SERVICE	
		51	INSTALL CABLE STORAGE RACKS (SNOW SHOES) AND STORE	
	INSTALL CABLE(S) IN EXISTING CONDUIT	52	100 FEET OF CABLE INSTALL DELINEATOR MARKER	
	INSTALL CABLE(S) IN NEW CONDUIT	53		
	INSTALL CABLE(S) IN EXISTING RISER		STORE 50 FEET OF COMMUNICATIONS CABLE	CONSTRUCTION NOTE SYMBOLOGY KEY
(20)	INSTALL CABLE(S) IN NEW RISER	54	LASH CABLE(S) TO NEW MESSENGER CABLE	XX INDICATES NUMBER OF CABLES, LOOPS, ETC.
(21)	INSTALL CABLE(S) IN EXISTING CONDUIT STUBOUTS	55	INSTALL 10KVA SINGLE PHASE TRANSFORMER	XX) INDICATES NUMBER OF FIBERS PER CABLE,
22	INSTALL NEW CONDUIT INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUB–OUTS WHEN AVAILABLE)	56	INSTALL NEW EQUIPMENT CABINET DISCONNECT	TWISTED PAIRS PER CABLE, ETC.
(23)	INSTALL NEW RISER INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUB–OUTS WHEN AVAILABLE)	57	MODIFY EXISTING ELECTRICAL SERVICE	XX INDICATES NUMBER OF RISER(S)/CONDUIT(S)
(24)	INSTALL NEW CONDUIT INTO NEW POLE MOUNTED CABINET	58	INSTALL NEW ELECTRICAL SERVICE	XX INDICATES DIAMETER OF RISER(S)/CONDUIT(S) (INCH)
(25)	INSTALL NEW RISER INTO EXISTING POLE MOUNTED CABINET	59	INSTALL NEW POLE MOUNTED CABINET	NUMBER NUMBER OF
$\langle 26 \rangle$	TERMINATE COMMUNICATIONS CABLE ON EXISTING TELEMETRY INTERFACE PANEL IN TRAFFIC SIGNAL CONTROLLER CABINET	60	INSTALL FIELD ETHERNET SWITCH	CABLE(S)
	INSTALL NEW TELEMETRY INTERFACE PANEL IN	61	INSTALL VIDEO CODEC UNIT	
28	TRAFFIC SIGNAL CONTROLLER CABINET INSTALL INTERCONNECT CENTER, PATCH PANEL, JUMPERS, AND FUSION SPLICE CABLE IN CABINET	62	INSTALL DMS ASSEMBLY	
29	INSTALL UNDERGROUND SPLICE ENCLOSURE			NUMBER DIAMETER
30	MODIFY EXISTING UNDERGROUND SPLICE ENCLOSURE			OF RISER(S)/CONDUIT(S) RISER(S)/CONDUIT(S) (INCH)
31	MODIFY EXISTING BASE MOUNTED SPLICE CABINET			Prepared in the Offices of: CONSTRUCTION NOTES
	INSTALL BASE MOUNTED SPLICE CABINET			AND LEGEND
33	REMOVE EXISTING SPLICE CABINET		750 /	DIVISION_07 GUILFORD_CO. GREENSBORO O31636 PLAN DATE: NOVEMBER_2017 REVIEWED BY: P.P. MARAK, PE PREPARED BY: G.A. GREEN REVIEWED BY: M.A. ASLAMI, PE
34	INSTALL CABINET FOUNDATION			SCALE REVISIONS INIT. DATE N/A N/A CADD Filename:
•				

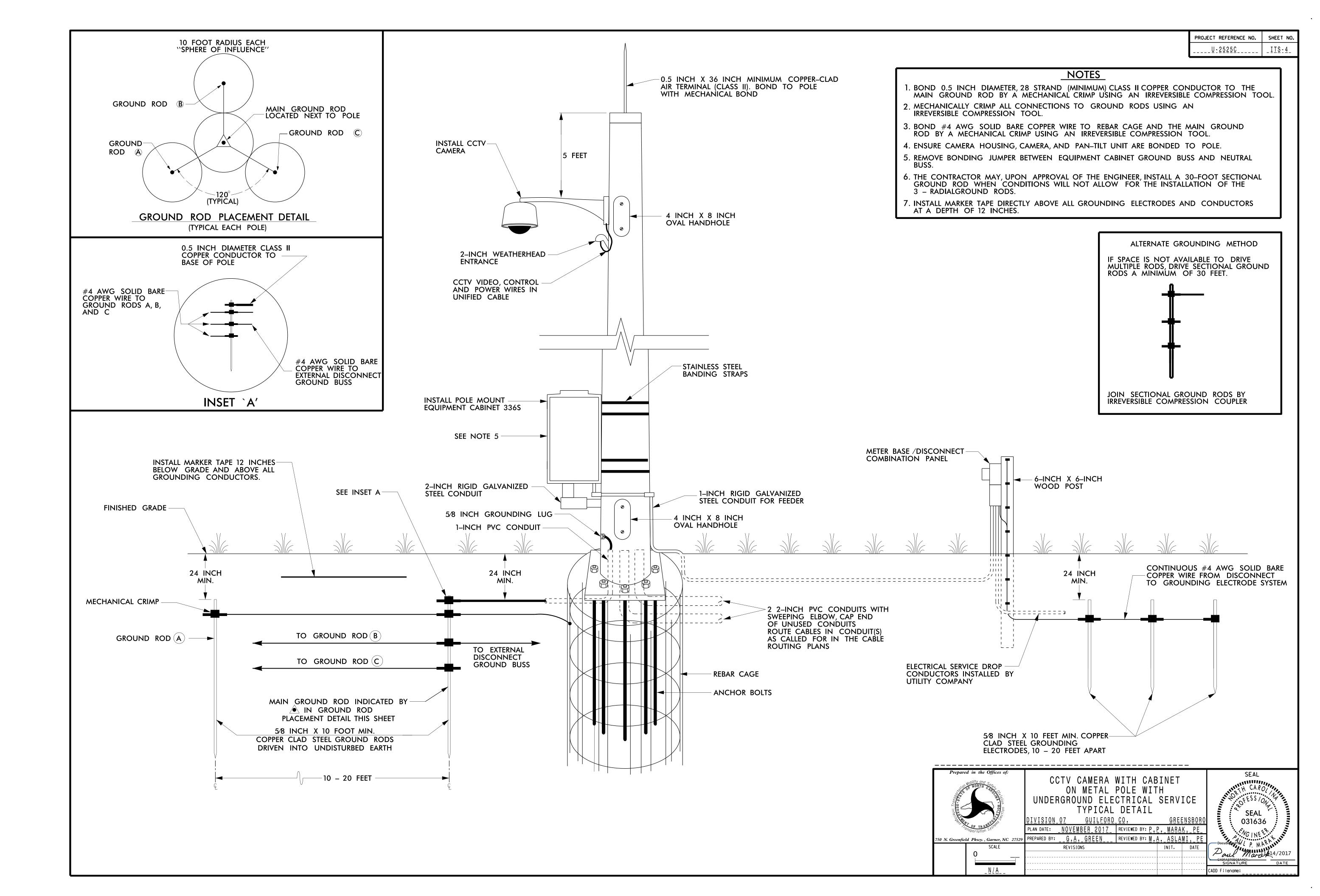
F0 F0	NEW FIBER OPTIC COMMUNICATIONS CABLE
	NEW CONDUIT
	EXISTING CONDUIT
DD DD	NEW DIRECTIONAL DRILLED CONDUIT
B&J B&J	NEW BORED AND JACKED CONDUIT
<u> </u>	NEW GUARDRAIL
-г-л-т-	EXISTING GUARDRAIL
	EXISTING CONTROLLED ACCESS FENCE
	NEW JUNCTION BOX
	EXISTING JUNCTION BOX
Ο	NEW WOOD POLE
•	EXISTING WOOD POLE
S	NEW SPLICE ENCLOSURE
(\mathbf{S})	EXISTING SPLICE ENCLOSURE
\bigcirc	NEW METAL POLE
\triangleright	NEW CCTV CAMERA ASSEMBLY
	PROPOSED PEDESTAL-MOUNTED DMS STRUCTURE
	EXISTING PEDESTAL-MOUNTED DMS STRUCTURE
(——	NEW STANDARD GUY ASSEMBLY
\bigtriangledown	NEW ELECTRICAL SERVICE
(XX-XXXX)	NEW ITS DEVICE NUMBER



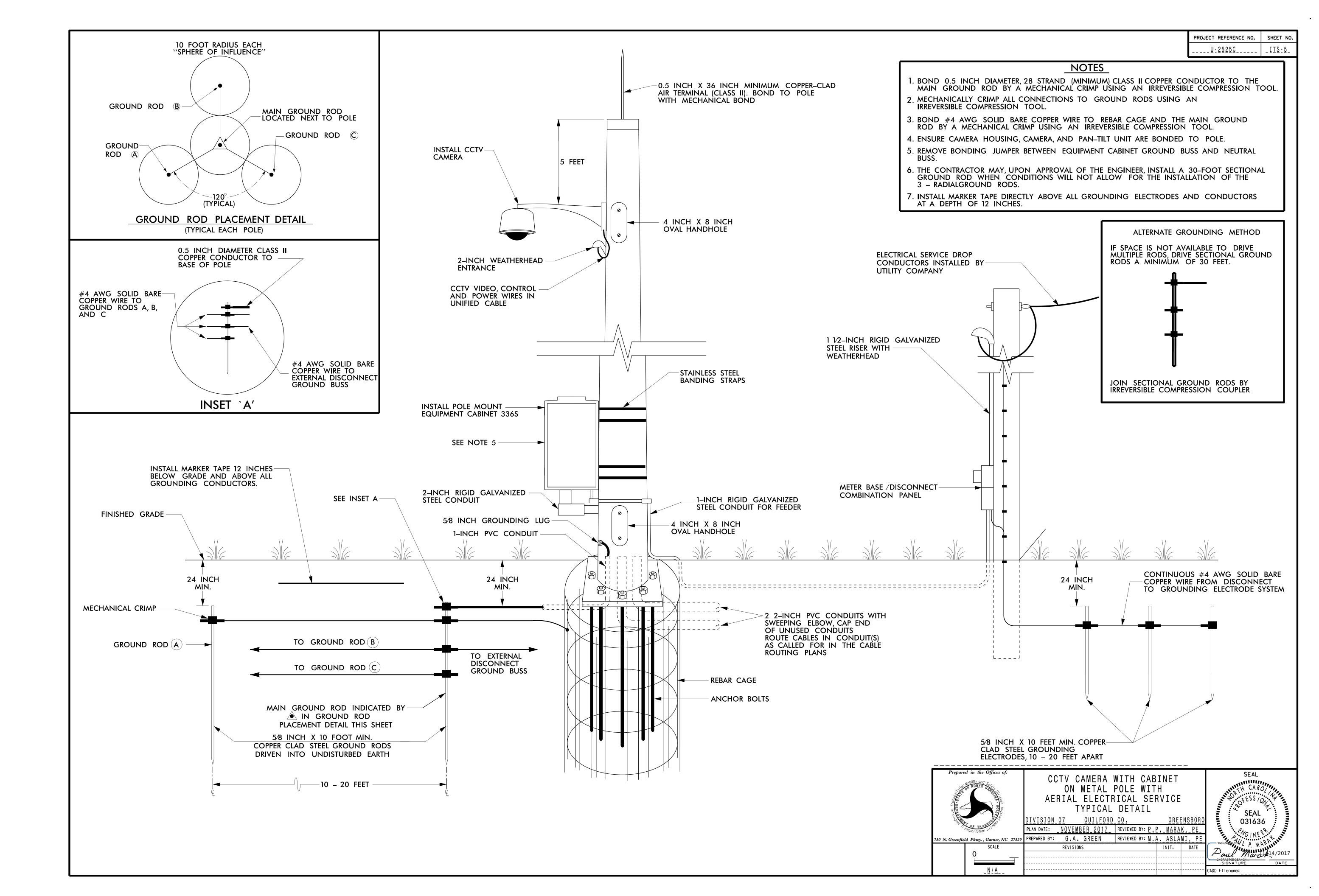
•

		PROJE	CT REFERENCE NO.	SHEET NO.
		L	<u>v</u> - <u></u> <u>v</u>	_ <u>ITS-3</u> _
	fi c			
,				
	В			
. דו אים				
<u>. Pivit</u>	ENT CABINET SIZES			
	d in the Offices of:		SEAL	
CTOTION N			SEAL PRTH CAR POFESS/C SEAL 03163	
Louse L	TYPICAL DETAILS		the fess/	N N N N N N N N N N N N N N N N N N N
SUDI Intelligen		E <u>NSBORO</u>	SEAL 03163	6
l'rai	PLAN DATE: NOVEMBER 2017 Reviewed by: P.P. MARA A Pkwy., Garner, NC 27529 PREPARED BY:G.A. GREEN Reviewed by: M.A. ASLA	<u>K, PE</u> MI. PE	A CINE	
.,	SCALE REVISIONS INIT.		Docusigned by: L. P. M.	ARA 11 1/14/2017
		 	CADD Filename:	DATE
		I I		

•

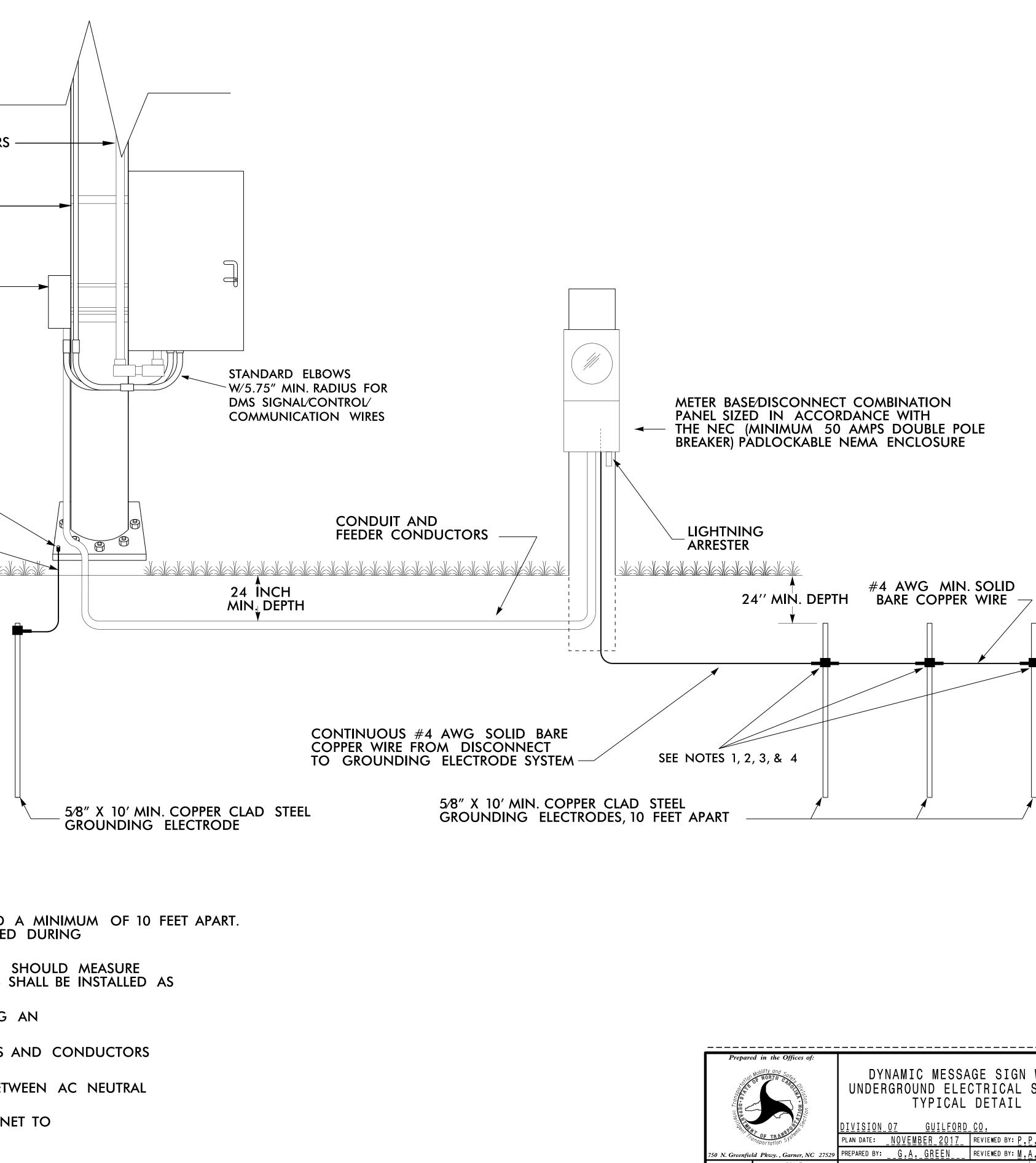


,



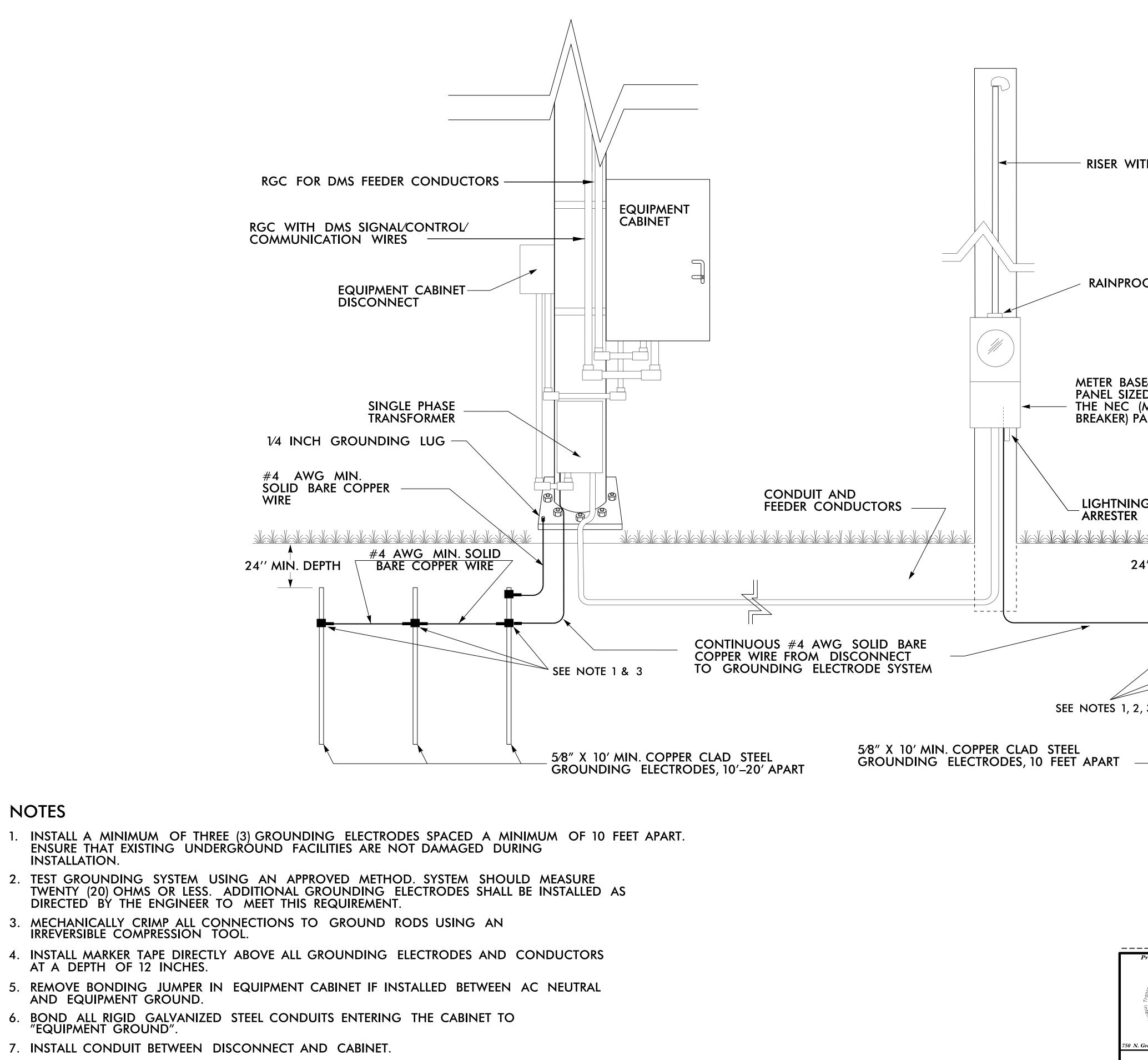
	RGC FOR DMS FEEDER CONDUCTORS
	rgc with DMS SIGNAL/CONTROL/ COMMUNICATION WIRES
	EQUIPMENT CABINET
	1/4 INCH GROUNDING LUG
	#4 AWG MIN. SOLID BARE COPPER WIRE
	24 ÎNCH MIN ₁ DEPTH
NOTES	
1. INSTALL A MINIMUM ENSURE THAT EXISTING INSTALLATION.	OF THREE (3) GROUNDING ELECTRODES SPACED G UNDERGROUND FACILITIES ARE NOT DAMAGEE
TWENTY (20) OHMS O	STEM USING AN APPROVED METHOD. SYSTEM R LESS. ADDITIONAL GROUNDING ELECTRODES S GINEER TO MEET THIS REQUIREMENT.
3. MECHANICALLY CRIMP IRREVERSIBLE COMPRES	ALL CONNECTIONS TO GROUND RODS USING SSION TOOL.
4. INSTALL MARKER TAPE AT A DEPTH OF 12 IN	DIRECTLY ABOVE ALL GROUNDING ELECTRODES
5. REMOVE BONDING JU AND EQUIPMENT GRO	JMPER IN EQUIPMENT CABINET IF INSTALLED BETY DUND.
6. BOND ALL RIGID GAL "EQUIPMENT GROUND	VANIZED STEEL CONDUITS ENTERING THE CABIN

- 7. INSTALL CONDUIT BETWEEN DISCONNECT AND CABINET.
- 8. ENSURE EQUIPMENT GROUND IS ELECTRICALLY BONDED TO CABINET.



PROJECT REFERENCE NO.	SHEET NO.
<u>U-2525C</u>	<u>_ITS-6</u> _

	<u></u>			
Prepared in the Offices of:	DYNAMIC MESSA UNDERGROUND ELEC TYPICAL	CTRICAL SERV		SEAL TH CAROL OFESSION SEAL
Consportation Susteins	DIVISION_07 GUILFORD Plan date: _NOVEMBER_2017_	<u>CO.</u> <u>GRE</u> REVIEWED BY: <u>P.PMARA</u>	<u>ENSBORO</u> K, <u>PE</u>	
reenfield Pkwy. , Garner, NC 27529	PREPARED BY: <u>G.AGREEN</u>	REVIEWED BY: M.A. ASLA	<u>MI, PE</u>	Bangar Aldi Angel Angel
SCALE O	REVISIONS	INIT.	DATE	Docusinged by 2 P. MAN 114/2017 CADEA270BC6A4C1 SIGNATURE DATE
N / A			+	CADD Filename:



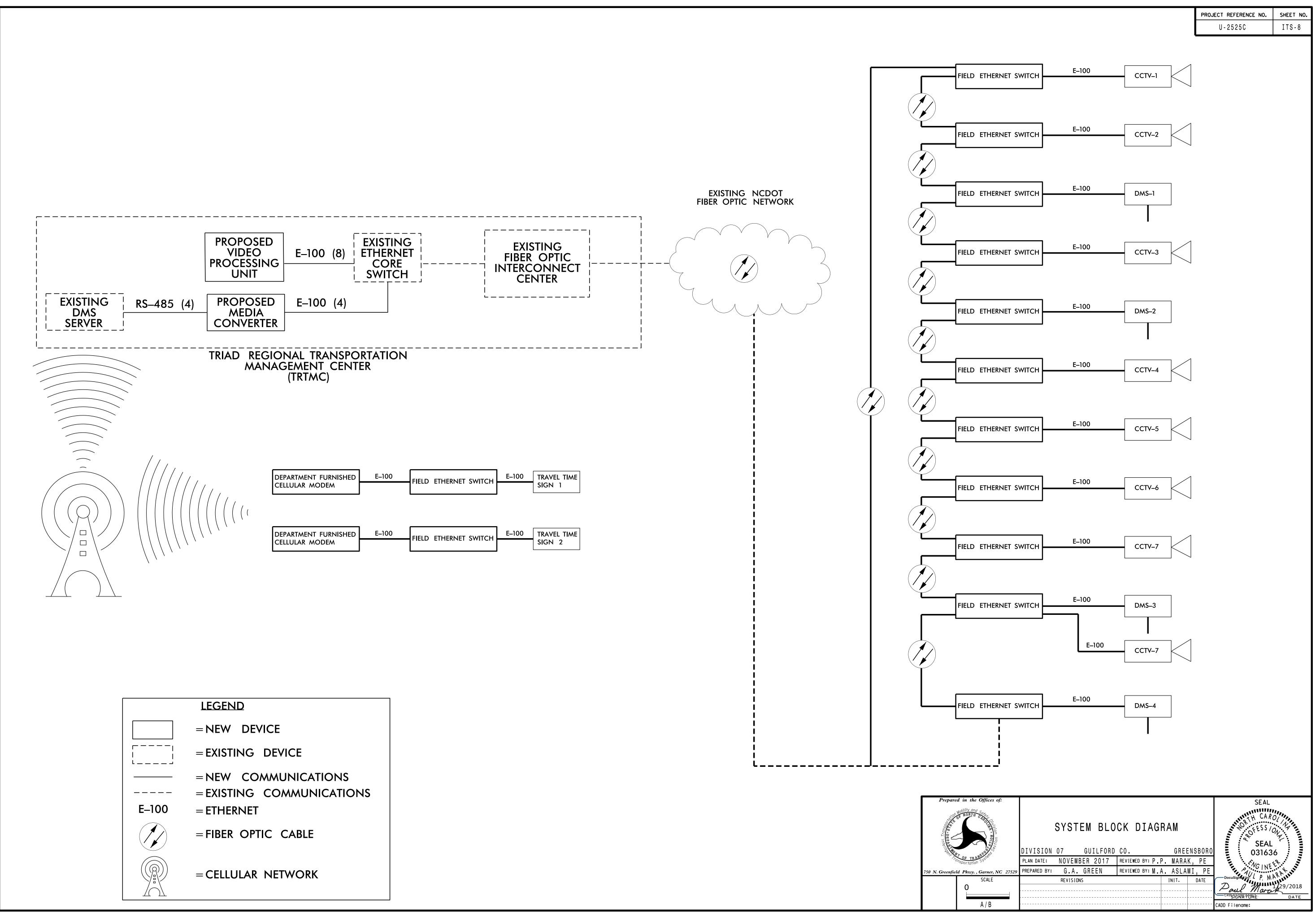
,

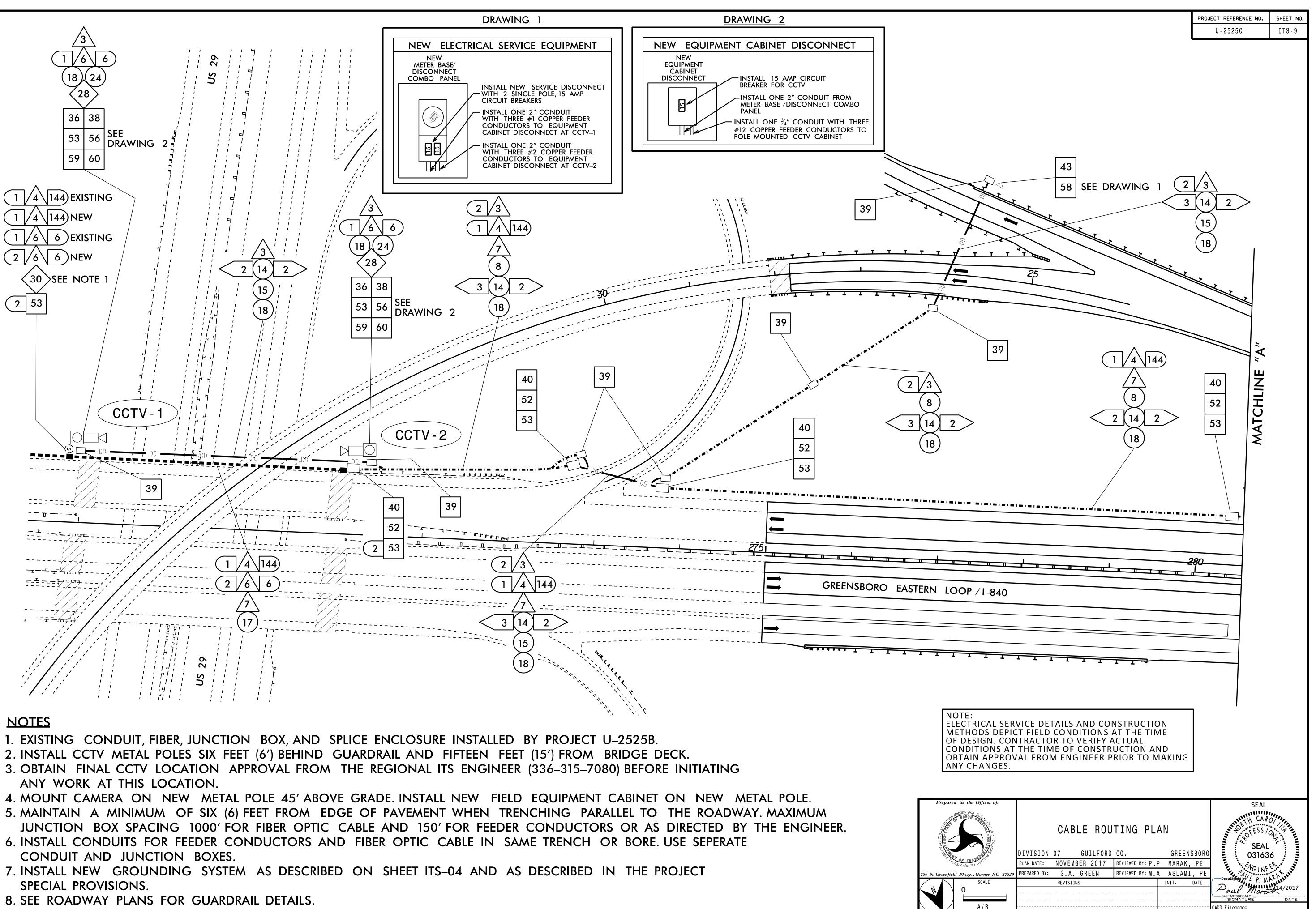
8. ENSURE EQUIPMENT GROUND IS ELECTRICALLY BONDED TO CABINET.

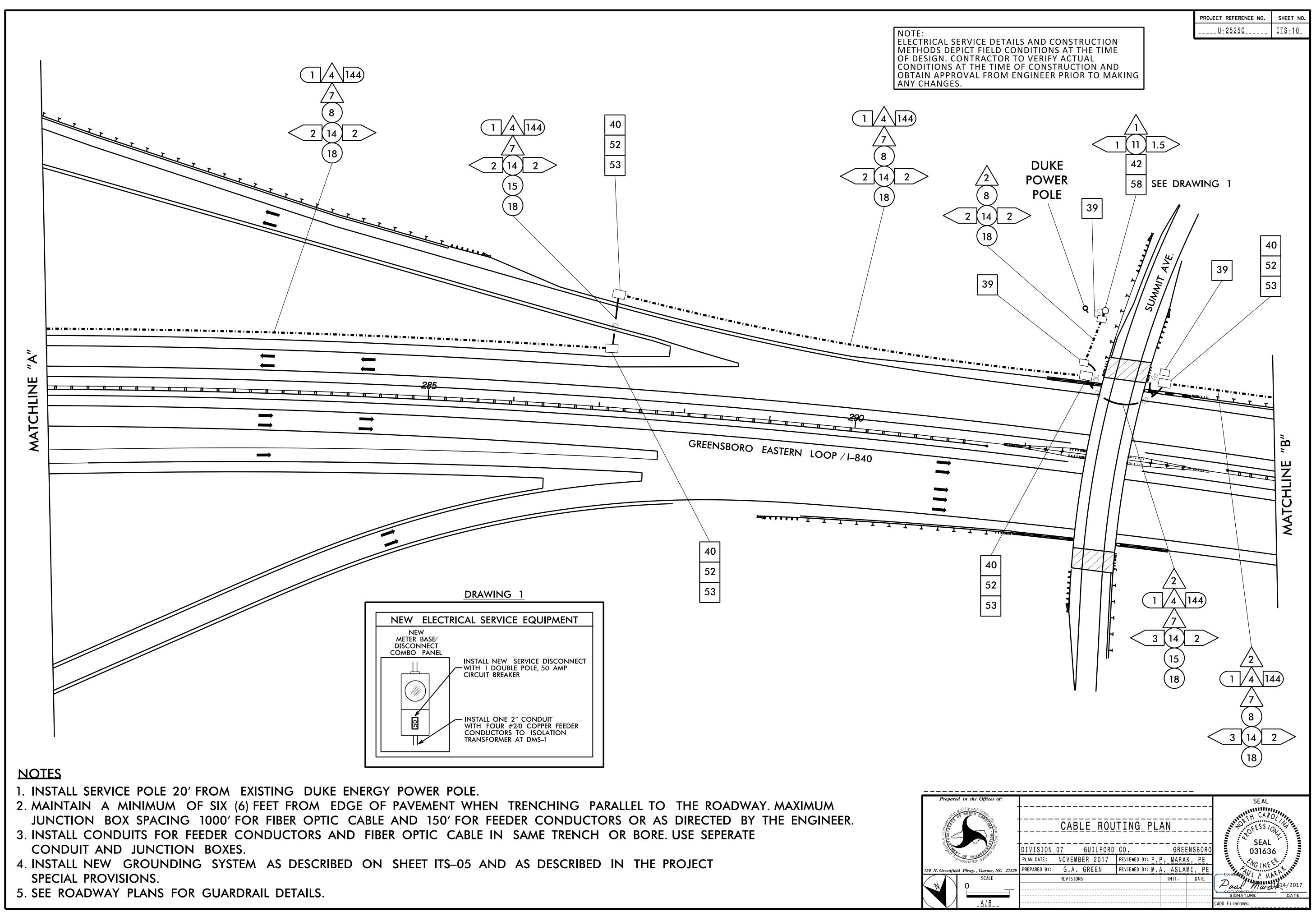
	-	
	PROJECT REFERENCE NO.	SHEET NO.
	<u>U-2525C</u>	_ <u>IIS-7</u> _
TH WEATHERHEAD		
OF CONDUIT HUB		
E/DISCONNECT COMBINATION D IN ACCORDANCE WITH		
MINIMUM 50 AMPS DOUBLE POLE ADLOCKABLE NEMA ENCLOSURE		
G		
#4 AWG MIN. SOLID		
4" MIN. DEPTH BARE COPPER WIRE		
, 3, & 4		
,		
Prepared in the Offices of:	-	
DYNAMIC MESSAGE SIGN	ICE <u>NSBORO</u> <u>K, PE</u> DATE SEAL OR SEAL OR SEAL OR SEAL OR SEAL OR SEAL OR SEAL OR SEAL OR SEAL OR SEAL OR SEAL OR SEAL OR SEAL OR SEAL OR SEAL OR SEAL OR SEAL OR SEAL OR SEAL OR SEAL OR SEAL OR SEAL OR SEAL OR SEAL OR SEAL OR SEAL OR SEAL OR SEAL OR SEAL OR SEAL OR SEAL OR SEAL OR SEAL OR SEAL OR SEAL OR SEAL OR SEAL OR SEAL OR SEAL OR SEAL OR SEAL OR SEAL OR SEAL OR SEAL OR SEAL OR SEAL OR SEAL OR SEAL OR SEAL OR SEAL OR SEAL OR SEAL OR SEAL OR SEAL OR SEAL OR SEAL OR SEAL OR SEAL OR SEAL OR SEAL OR SEAL OR SEAL	
WITH AERIAL ELECTRICAL SERV TYPICAL DETAIL	ICE	N
	NSBORO	
	K, PE	
SCALE REVISIONS INIT.	DATE Docusion of the L P. M	1614/2017

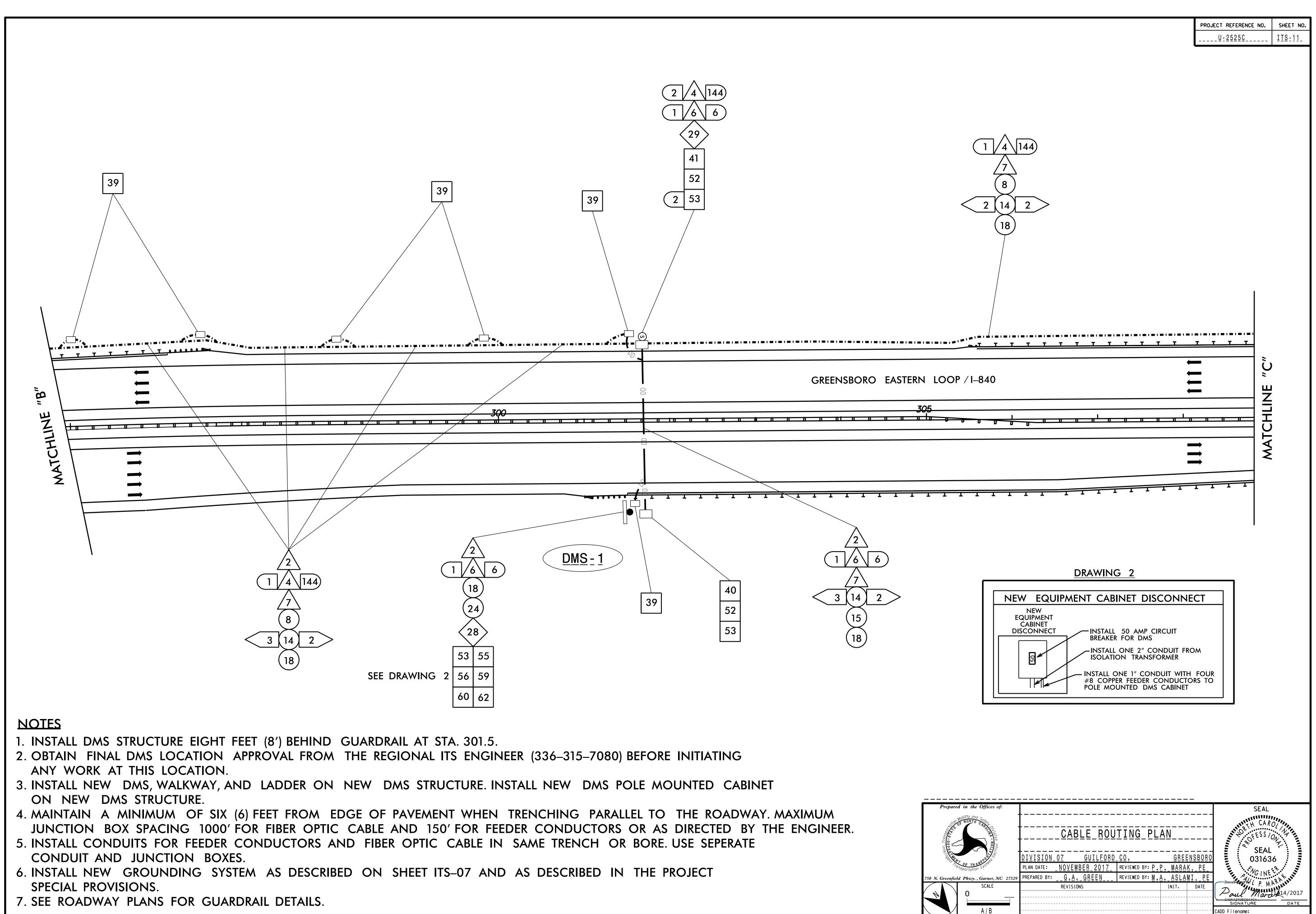
A / R

CADD Filename:





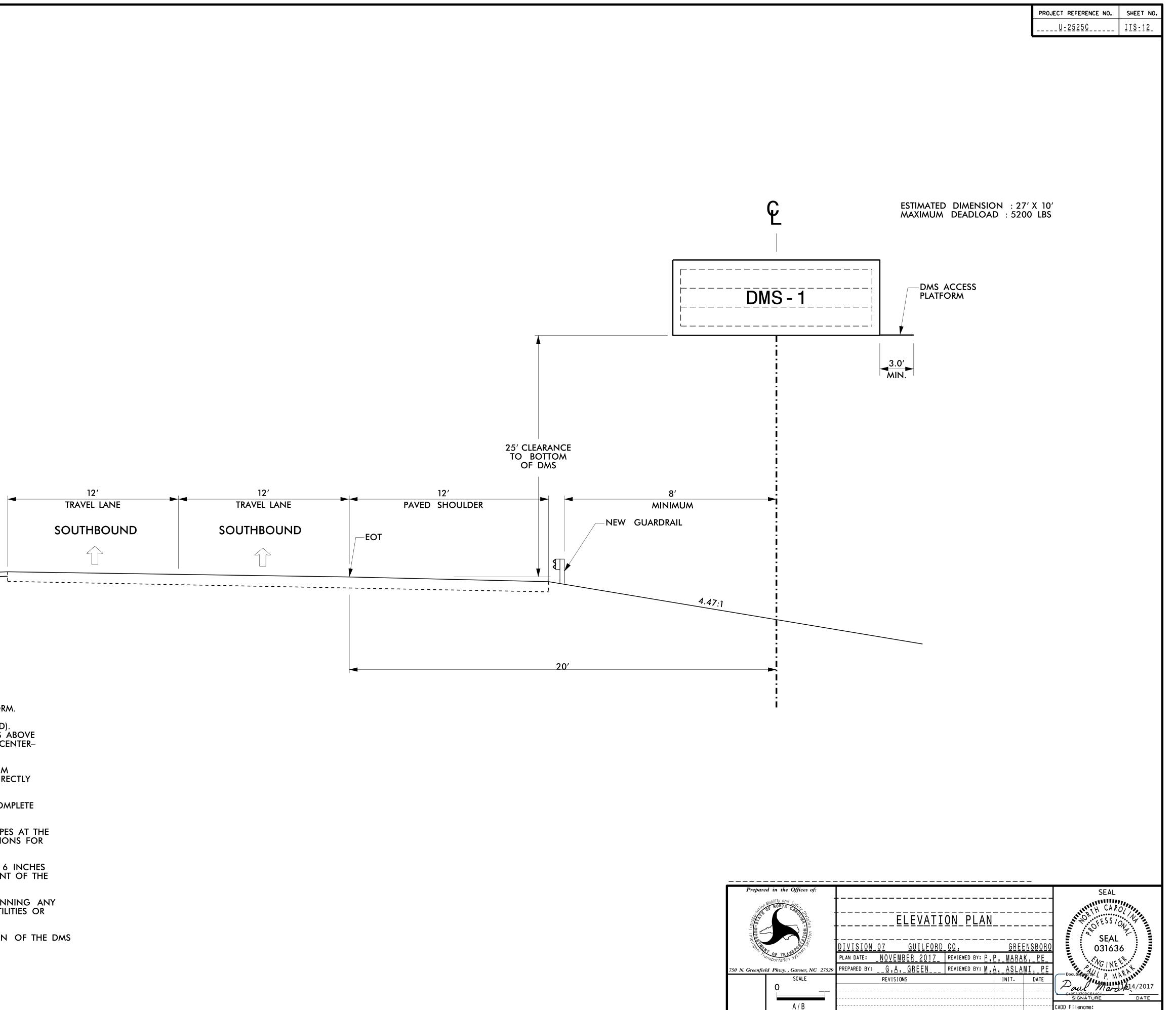


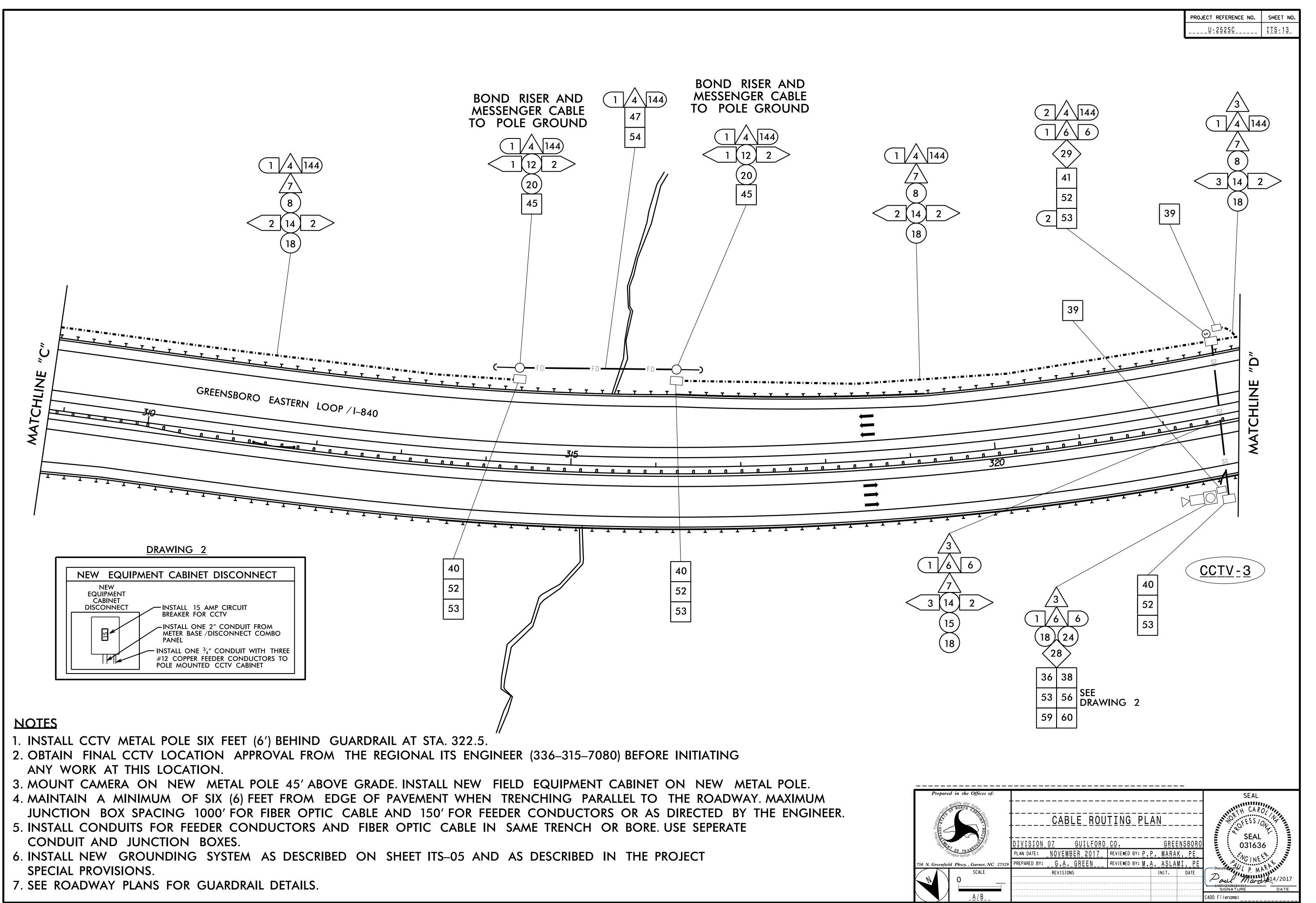


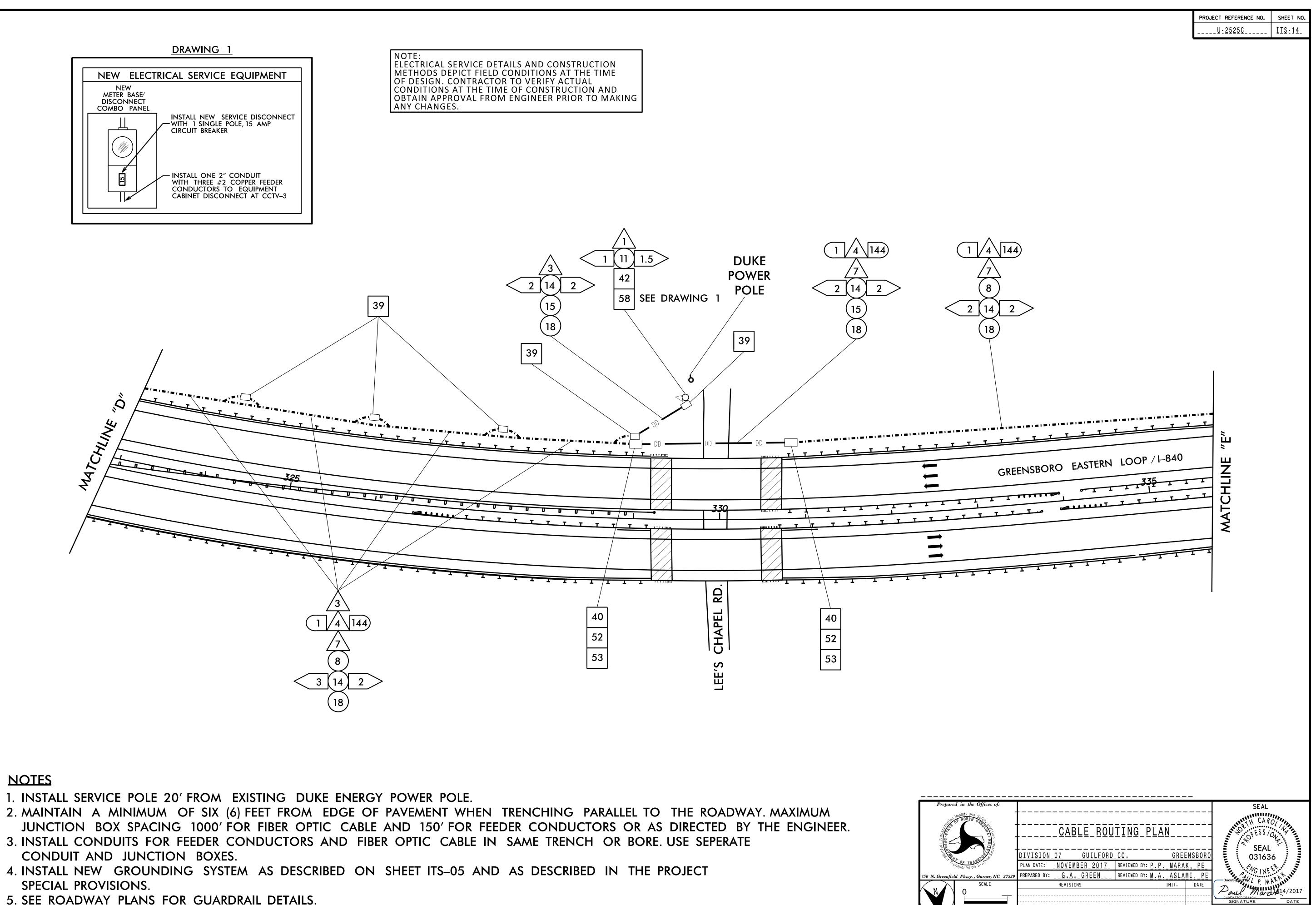
12′ TRAVEL LANE SOUTHBOUND $\widehat{}$

NOTES

- 1. CONTRACTOR IS RESPONSIBLE FOR FURNISHING ELEVATION DRAWINGS FOR ENGINEER'S APPROVAL.
- 2. PROVIDE A FIXED LADDER LEADING TO THE ACCESS PLATFORM.
- 3. EQUIP THE LADDER WITH A SECURITY COVER (LADDER GUARD). START THE FIRST LADDER RUNG NO MORE THAN 18 INCHES ABOVE A CONCRETE LANDING PAD. DESIGN RUNGS ON 12 INCH CENTER-TO-CENTER TYPICAL SPACING.
- 4. INSTALL A CONCRETE LANDING PAD MEASURING A MINIMUM 4 INCHES DEEP, 24 INCHES WIDE, AND 36 INCHES LONG DIRECTLY BENEATH THE LADDER.
- 5. USE ACTUAL DIMENSIONS AND WEIGHT OF THE DMS TO COMPLETE THE DESIGN OF THE DMS STRUCTURE.
- 6. FIELD VERIFY ALL FOOTING ELEVATIONS AND GROUND SLOPES AT THE FOOTING USING THE LATEST NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES.
- 7. ENSURE THAT THE TOP OF THE FOOTING EXTENDS AT LEAST 6 INCHES AND NOT MORE THAN 24 INCHES ABOVE THE HIGHEST POINT OF THE GROUND SURFACE AT THE FOOTING.
- 8. VERIFY ALL UNDERGROUND UTILITY LOCATIONS BEFORE BEGINNING ANY UNDERGROUND WORK. DO NOT DAMAGE ANY EXISTING UTILITIES OR NCDOT CABLES DURING CONSTRUCTION.
- 9. DESIGN THE STRUCTURE TO ACCOMODATE THE INSTALLATION OF THE DMS WITH A CCTV CAMERA EXTENSION POLE.
- 10. SEE ROADWAY PLANS FOR GUARDRAIL DETAILS.

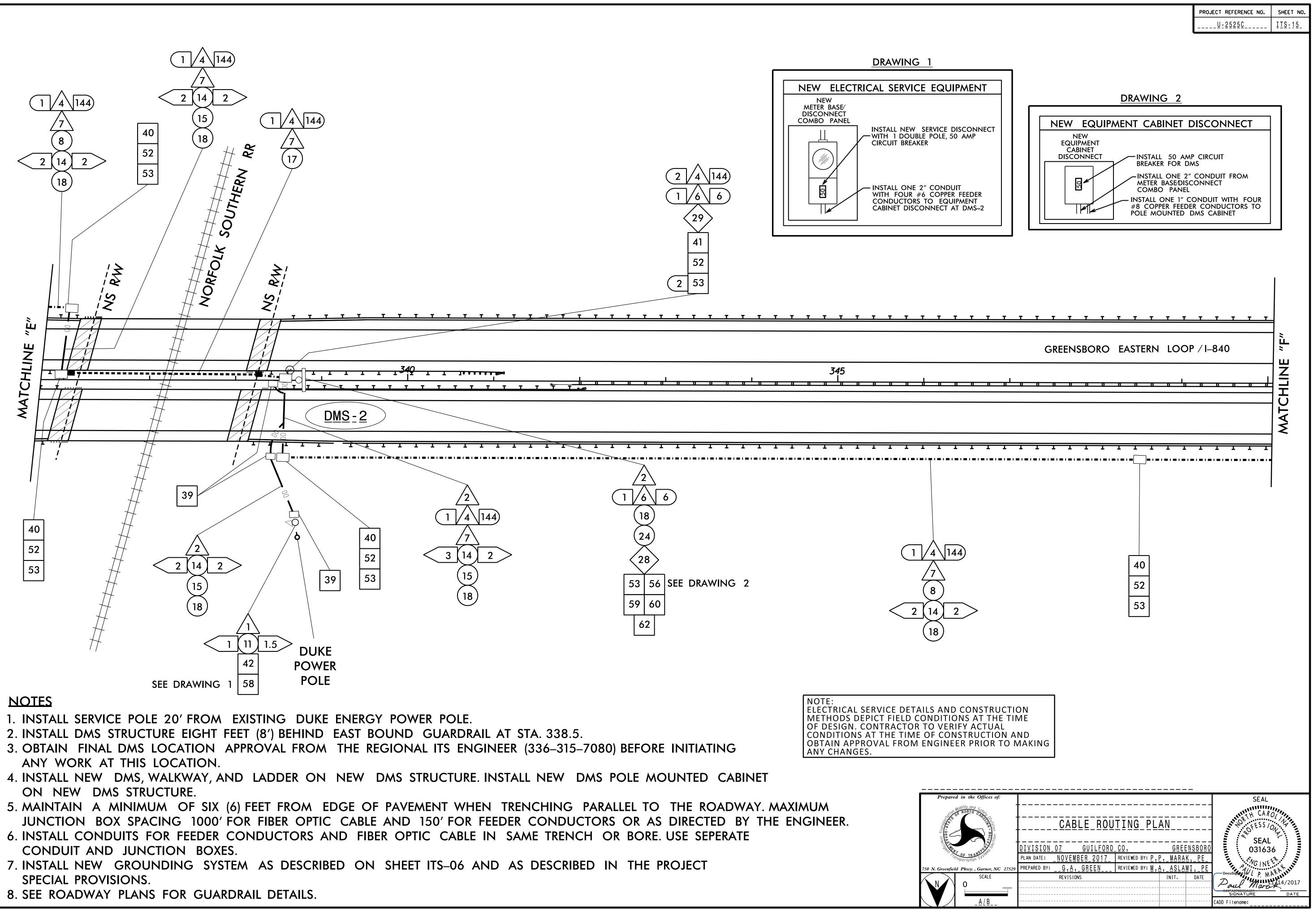


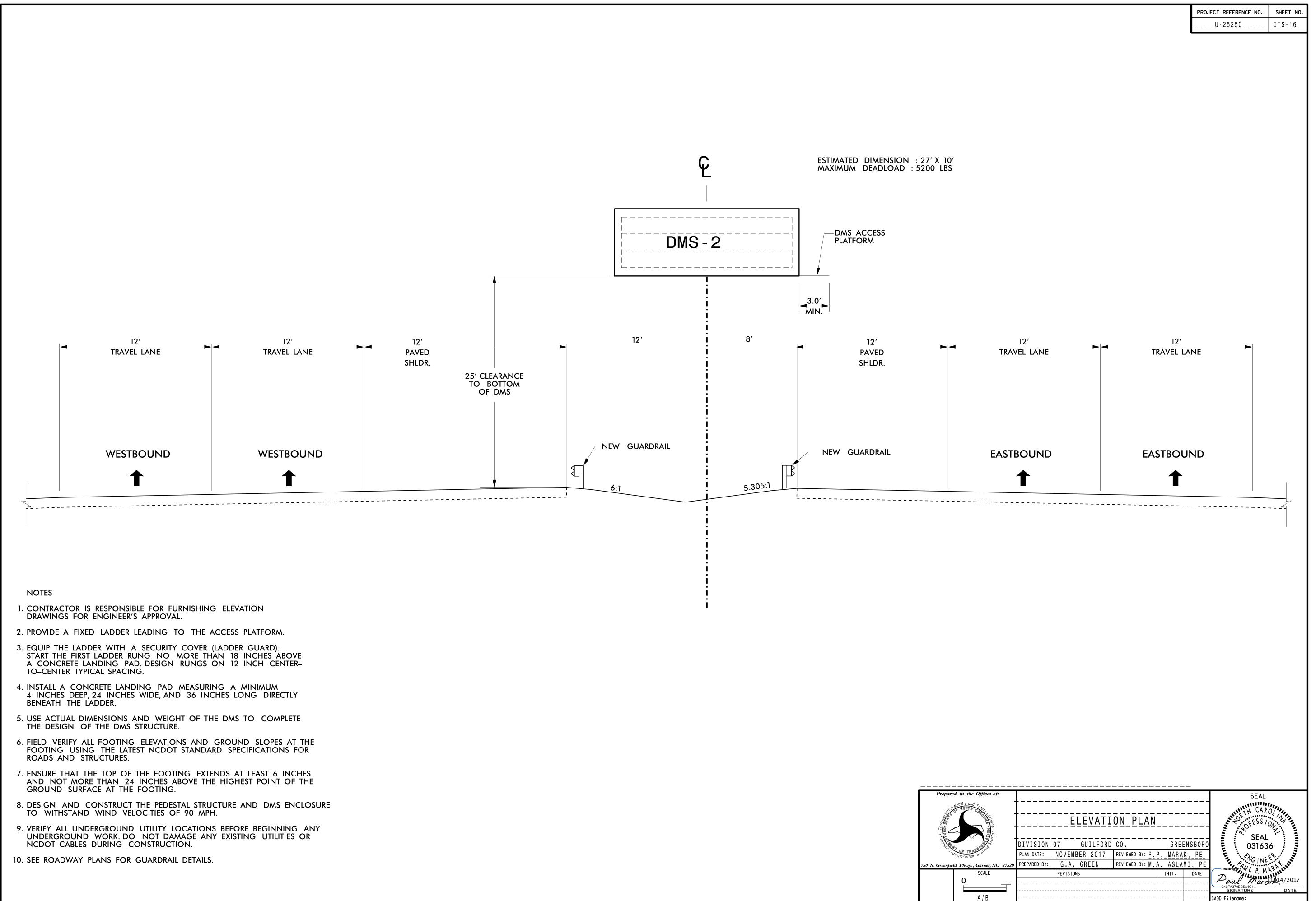


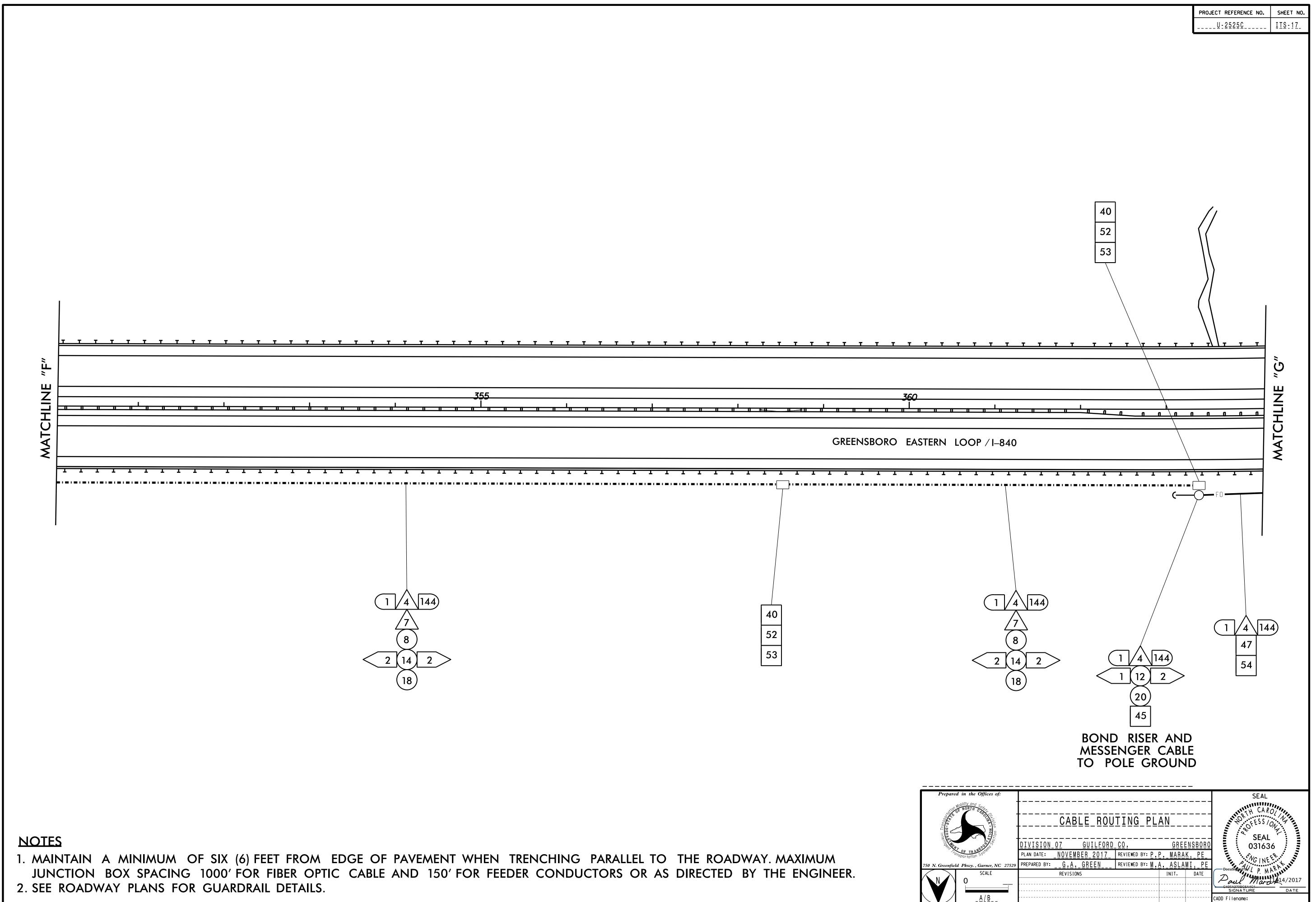


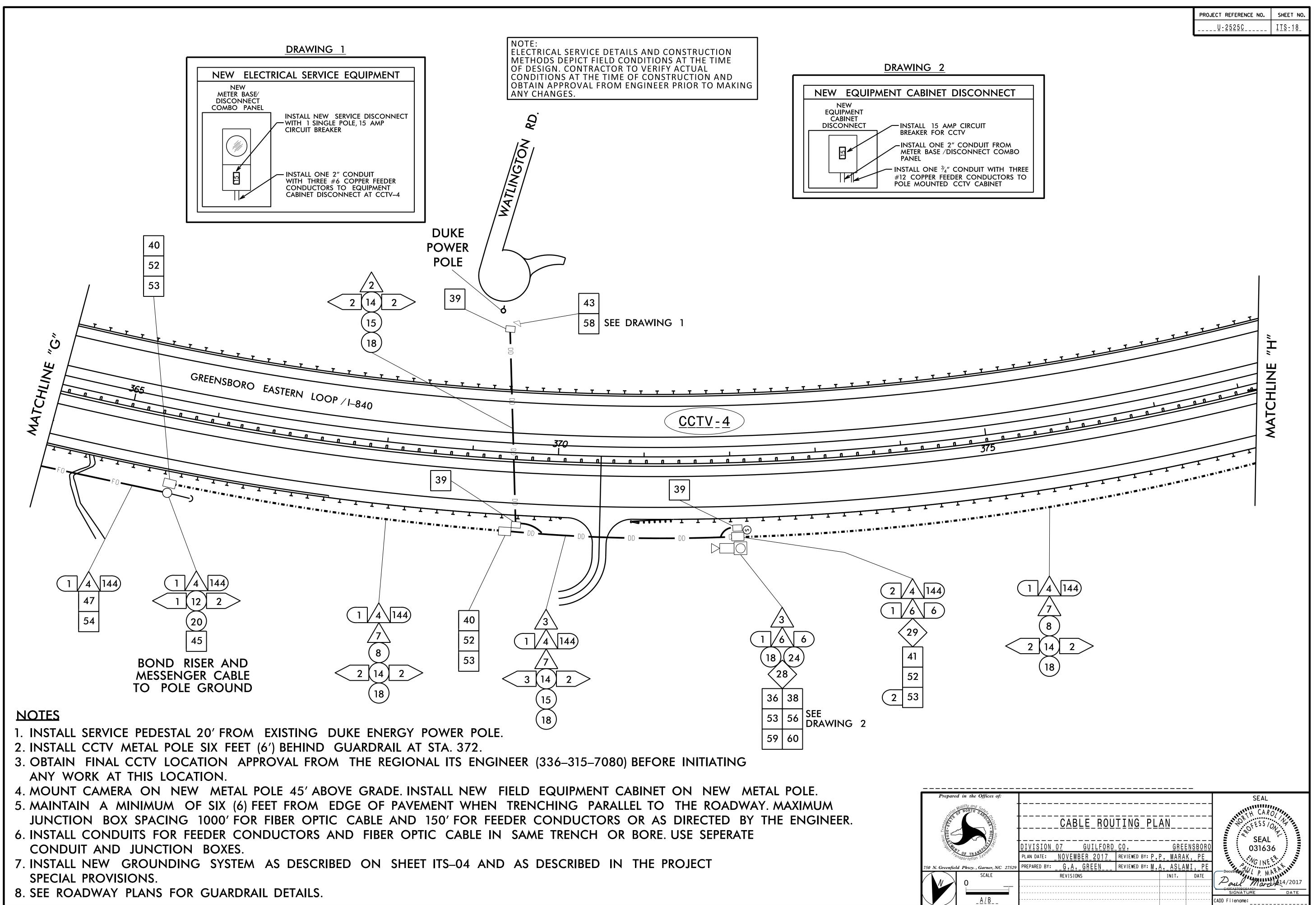
5. SEE ROADWAY PLANS FOR GUARDRAIL DETAILS.

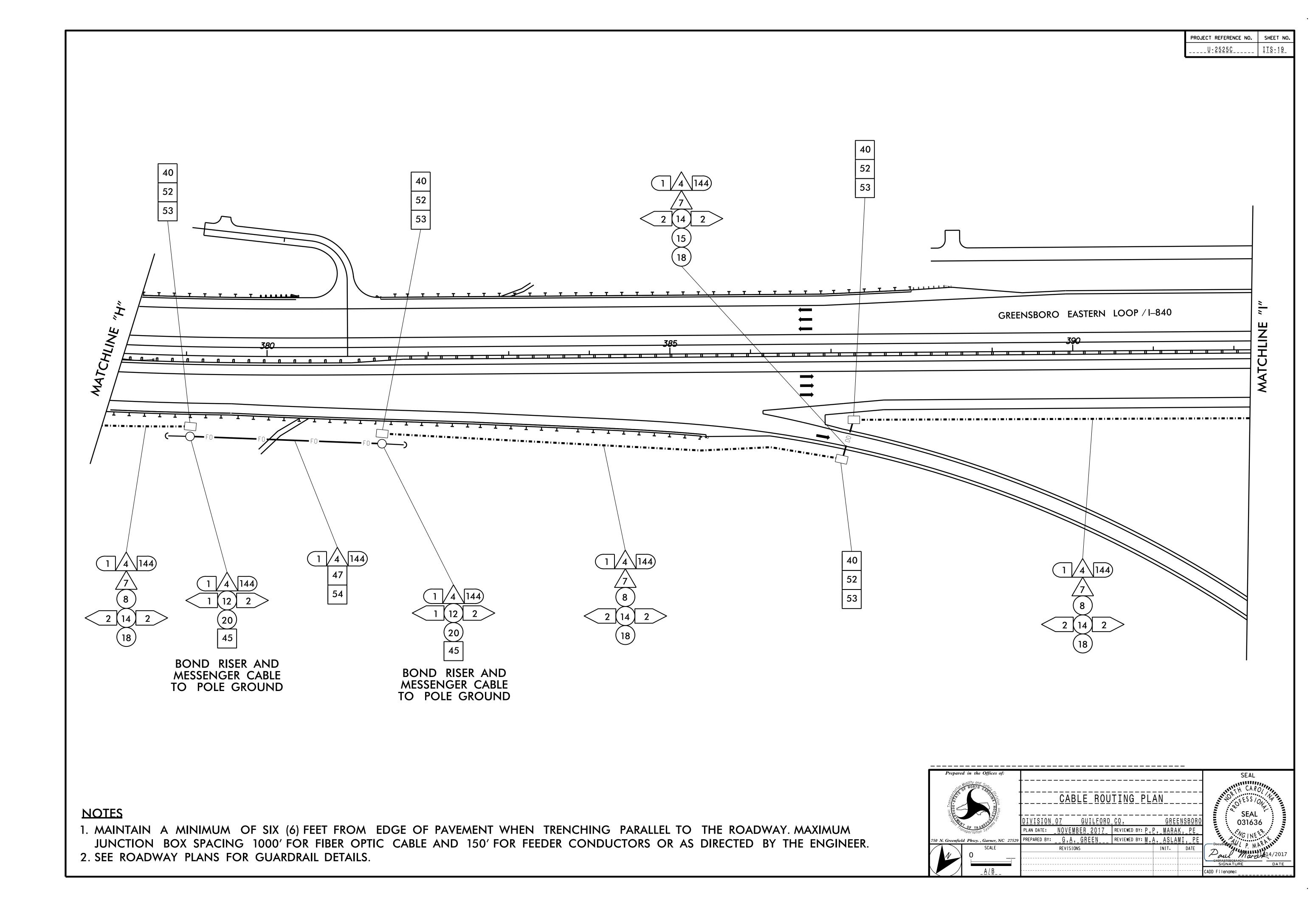
CADD Filename:

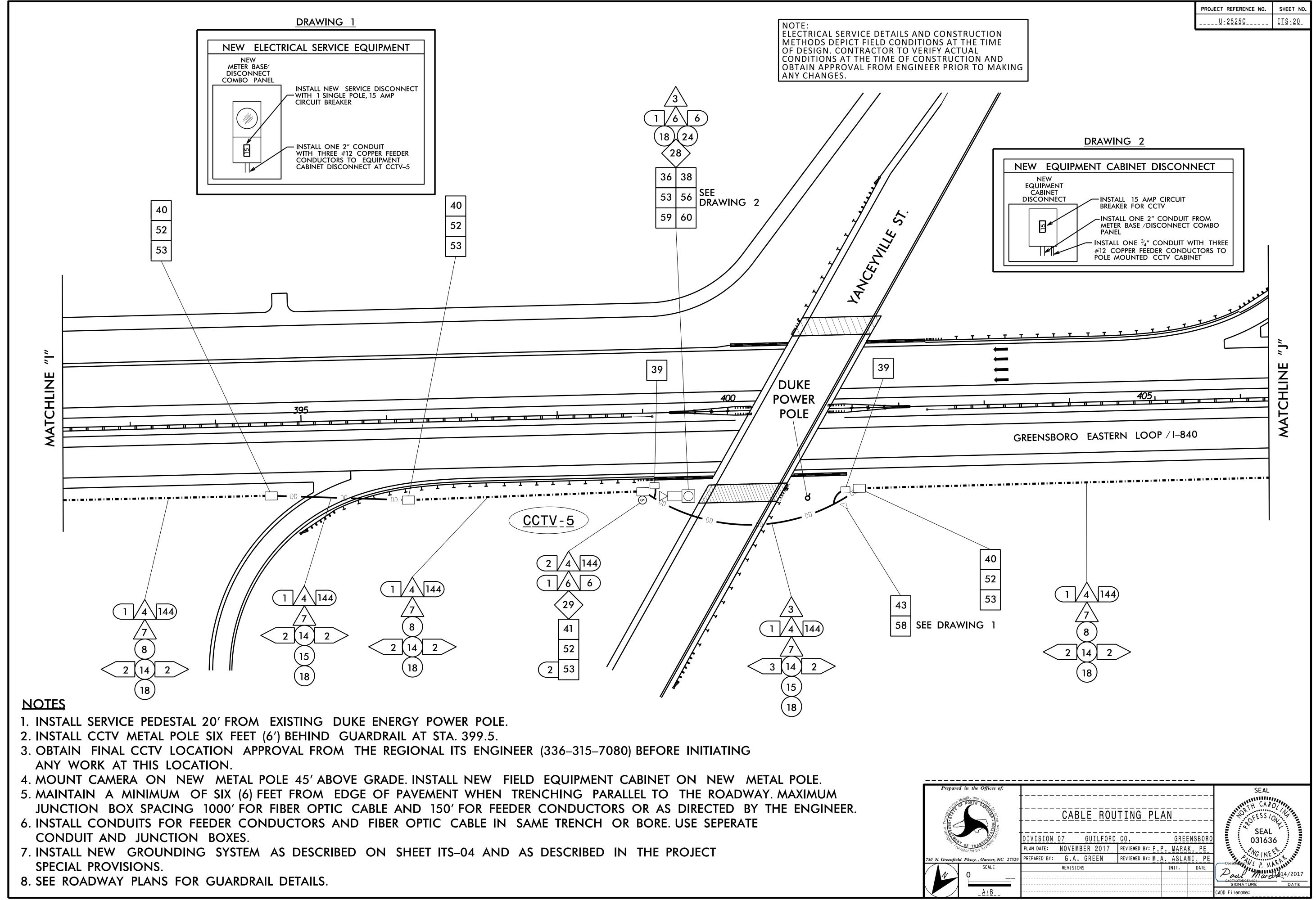


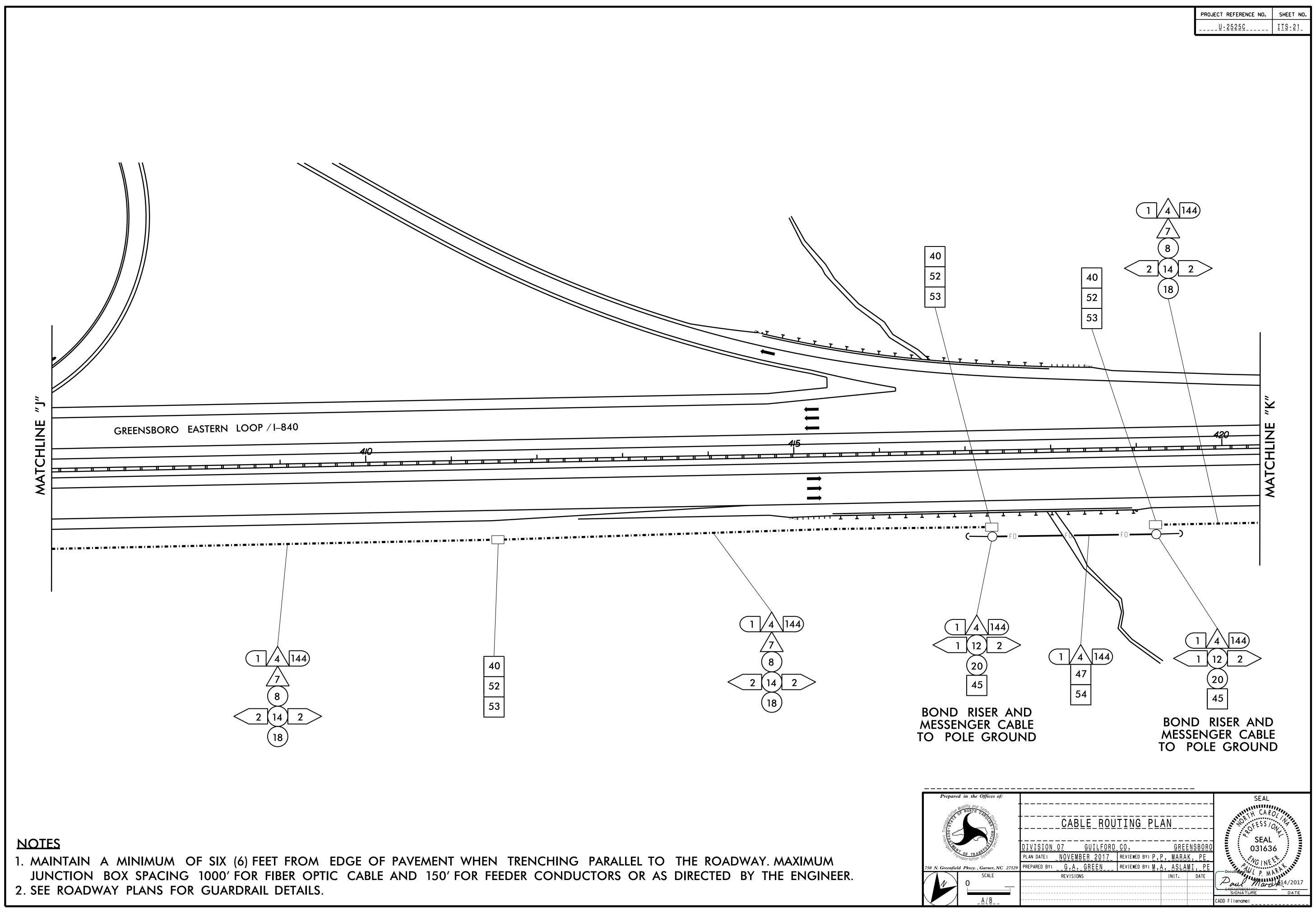


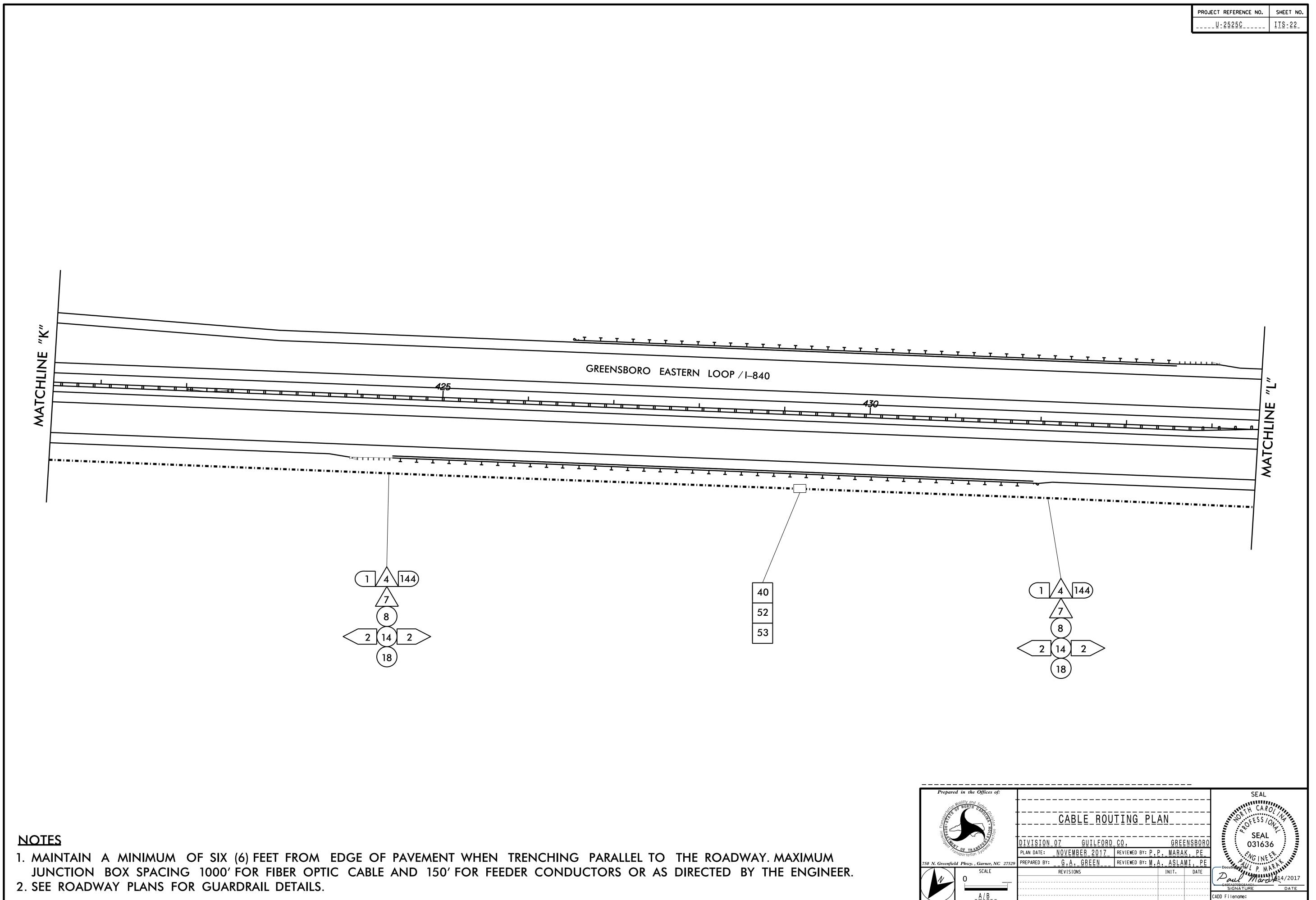


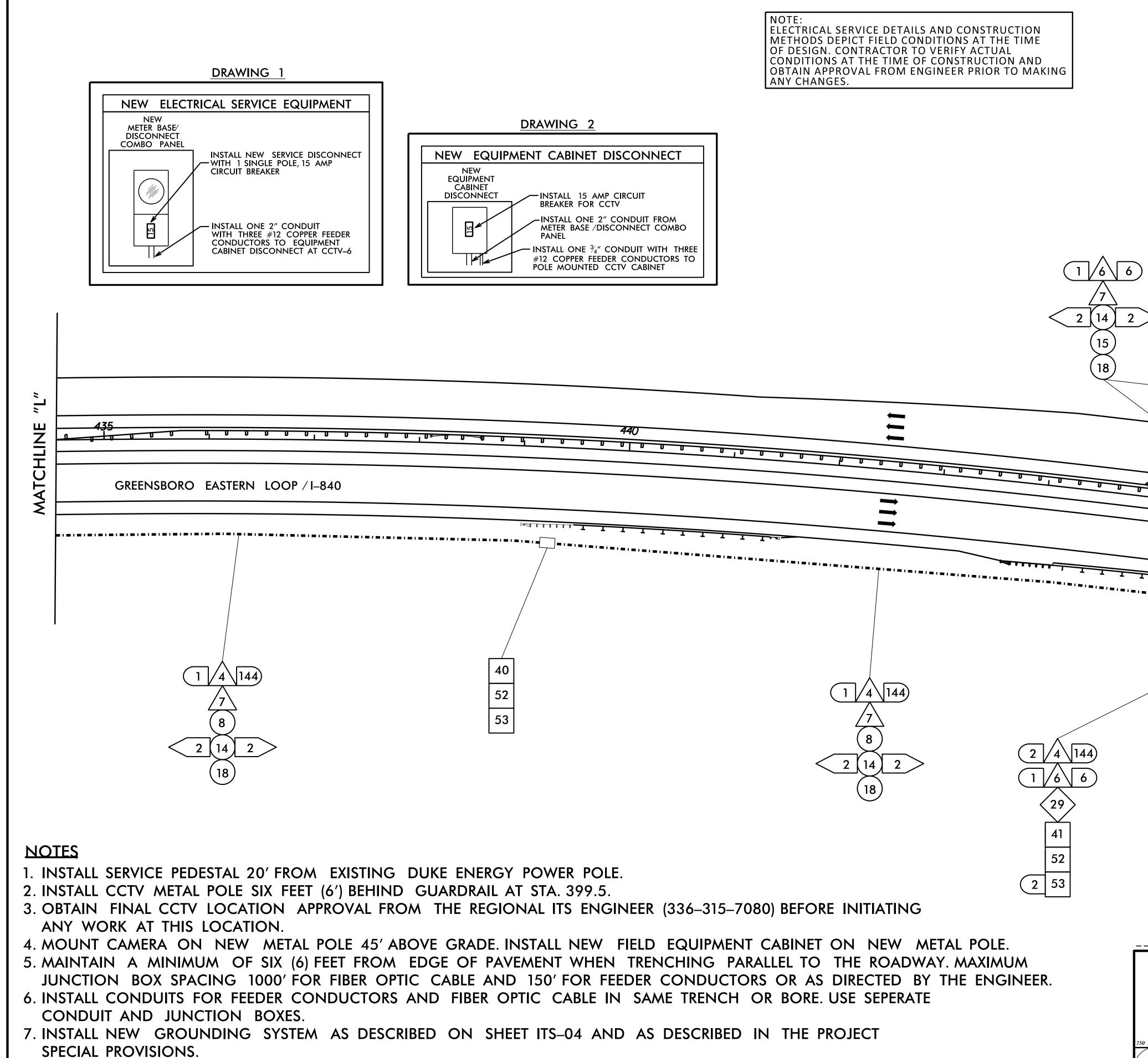








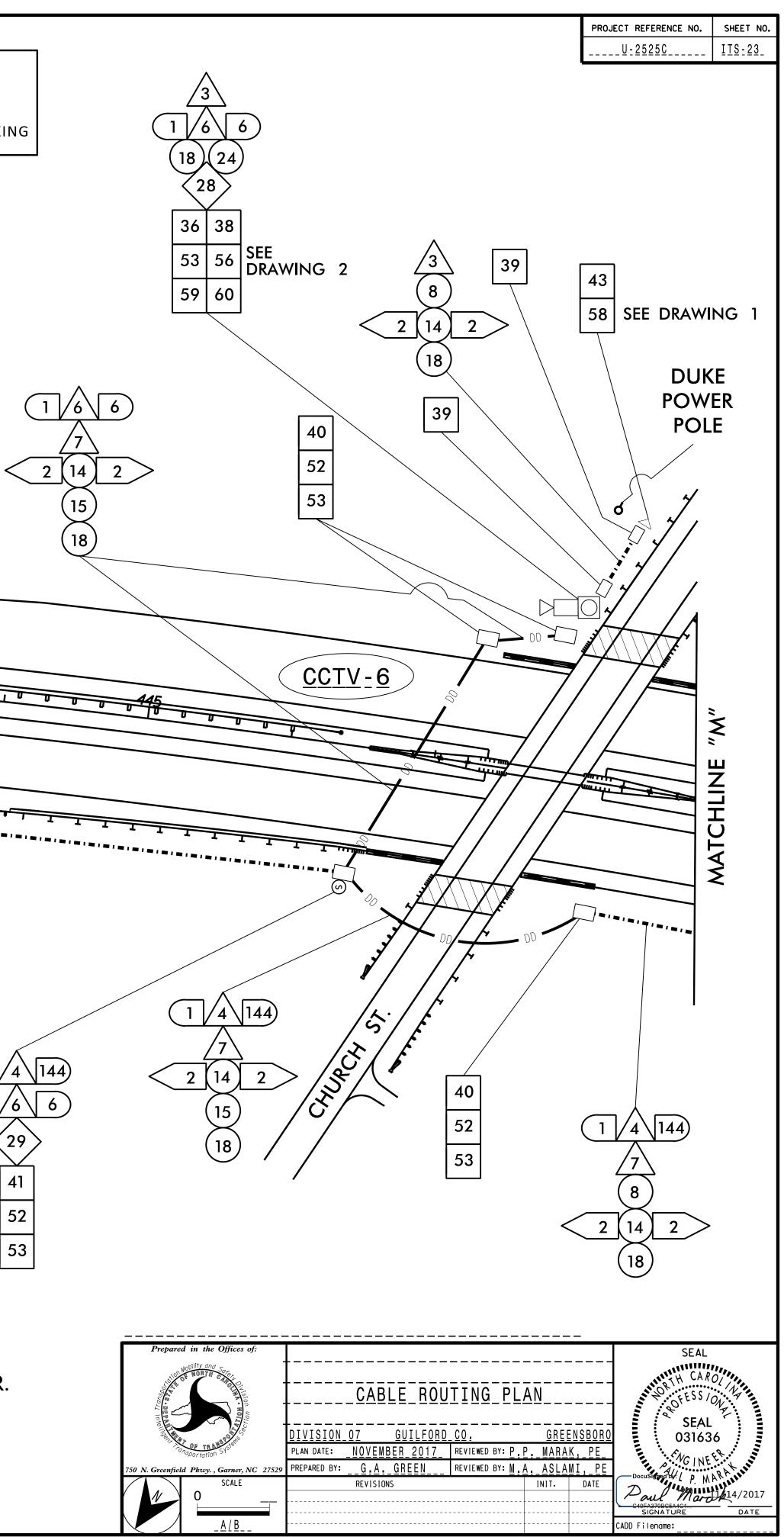


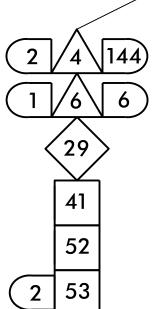


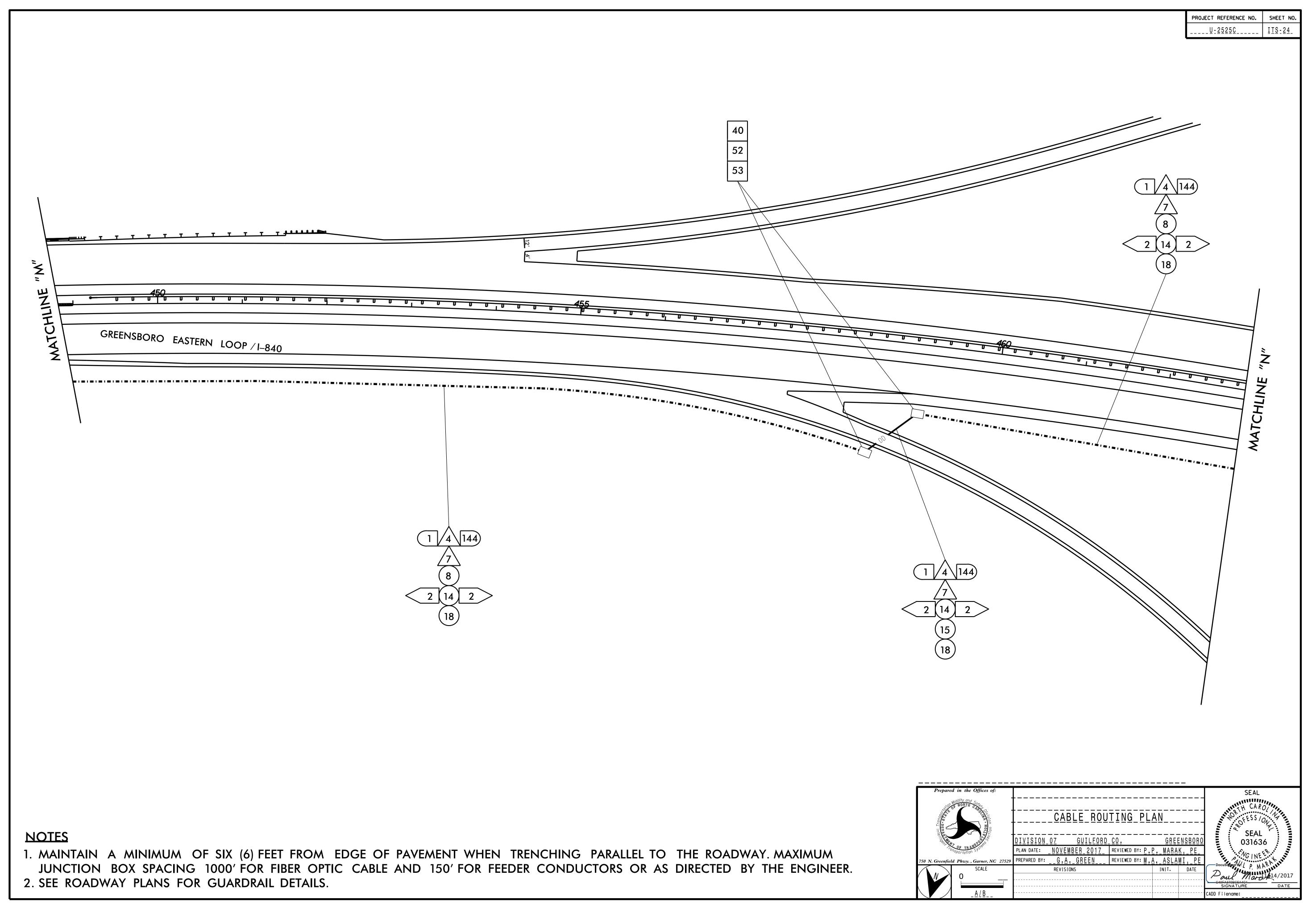
8. SEE ROADWAY PLANS FOR GUARDRAIL DETAILS.

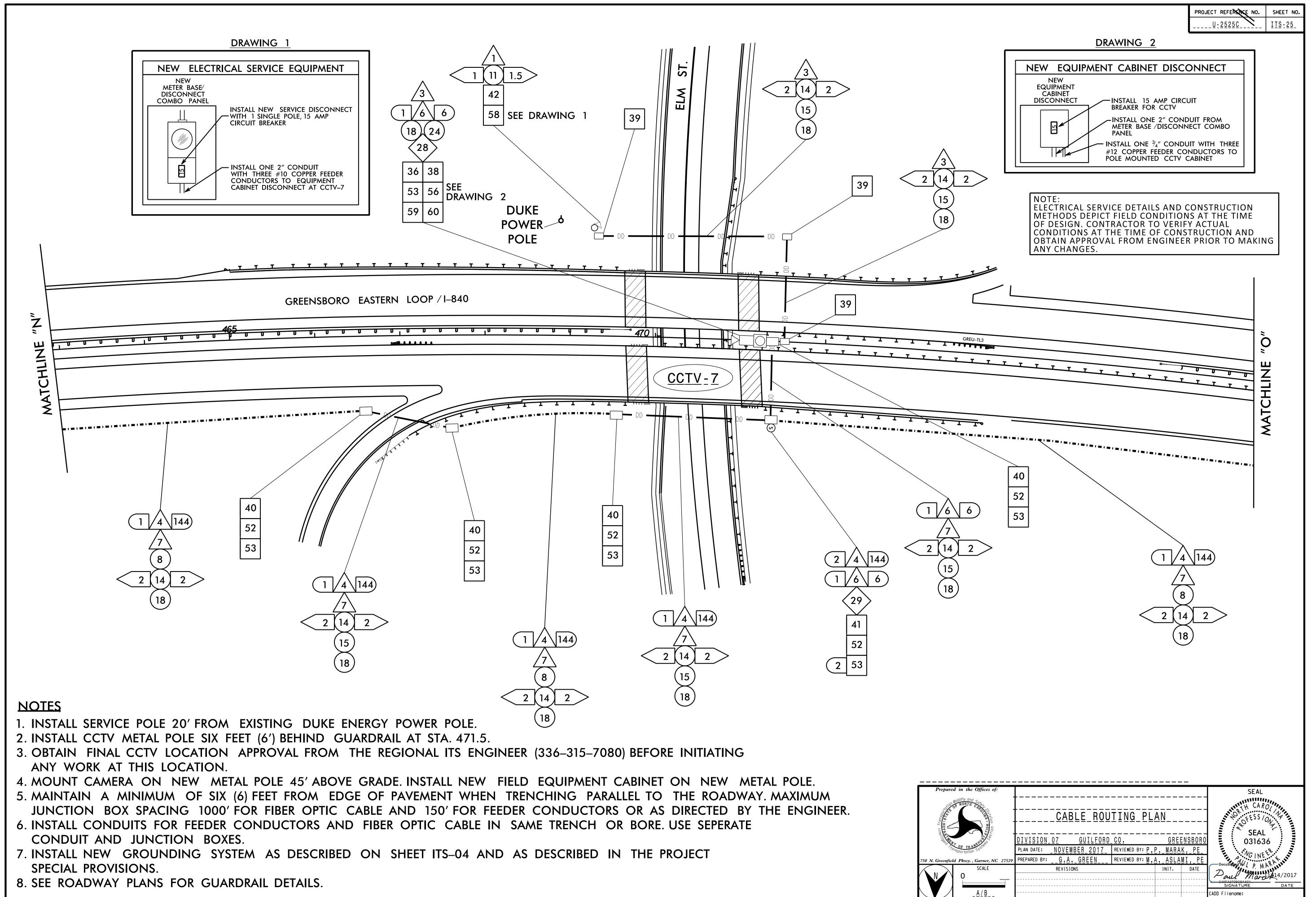
1/4 144

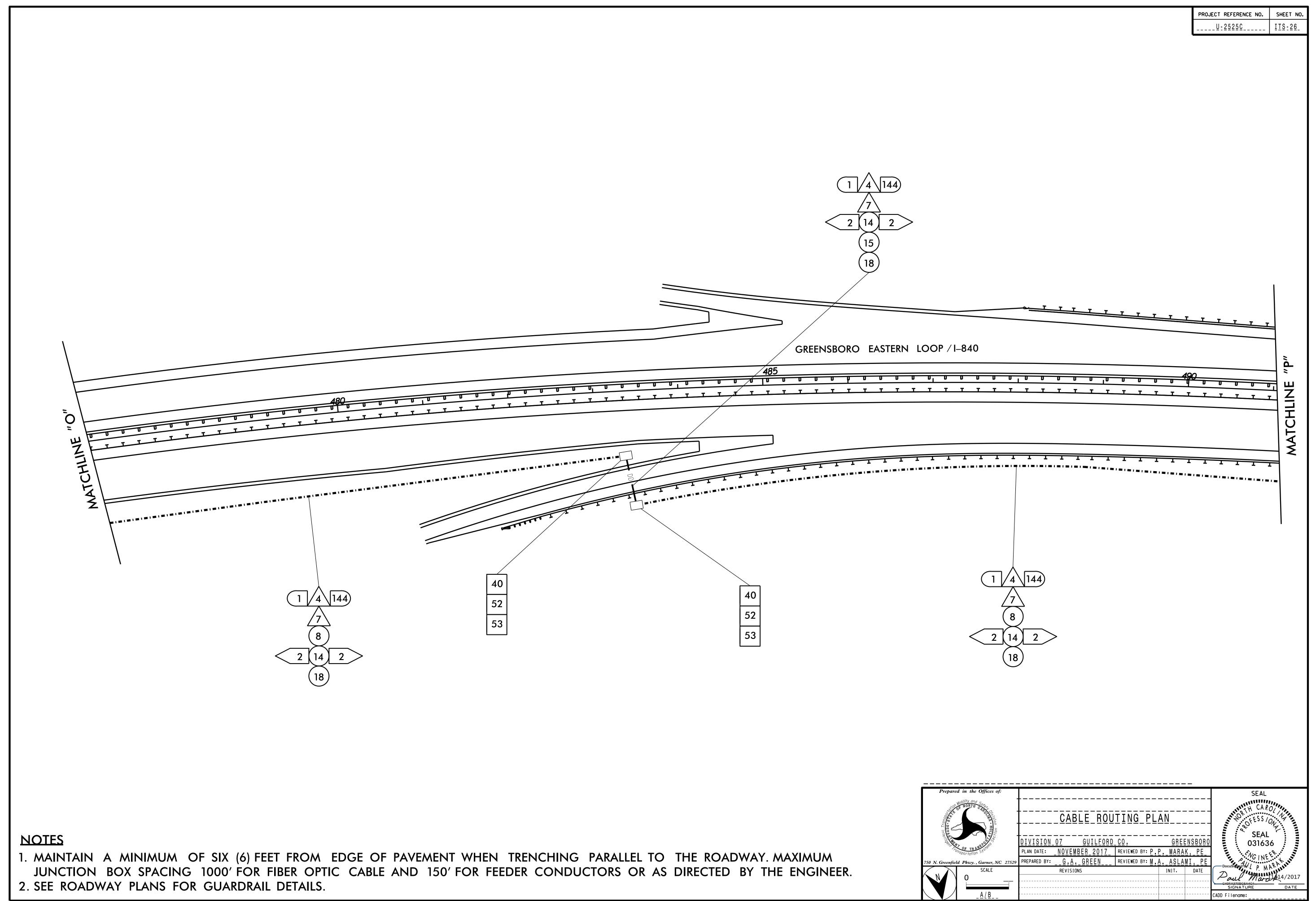


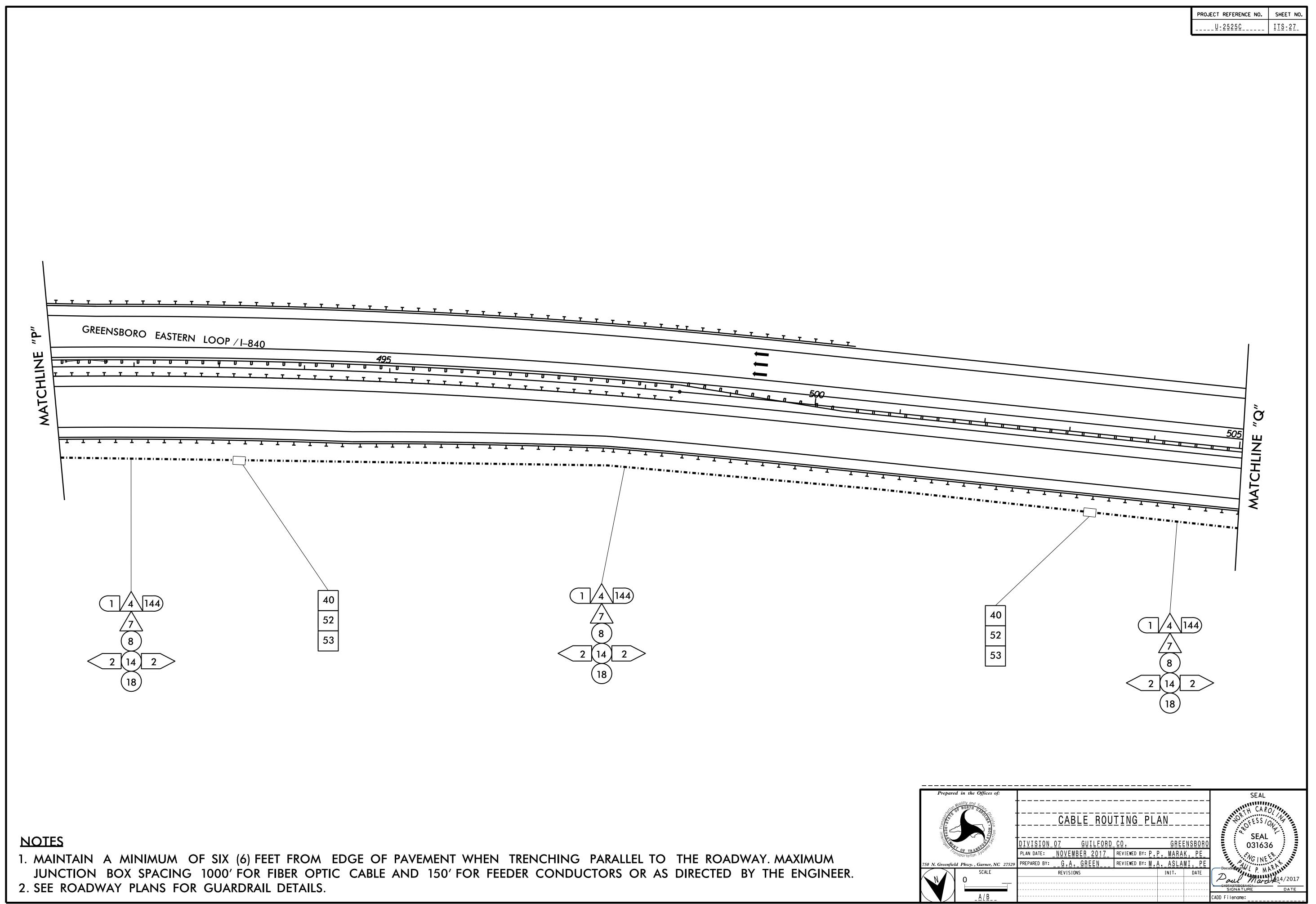


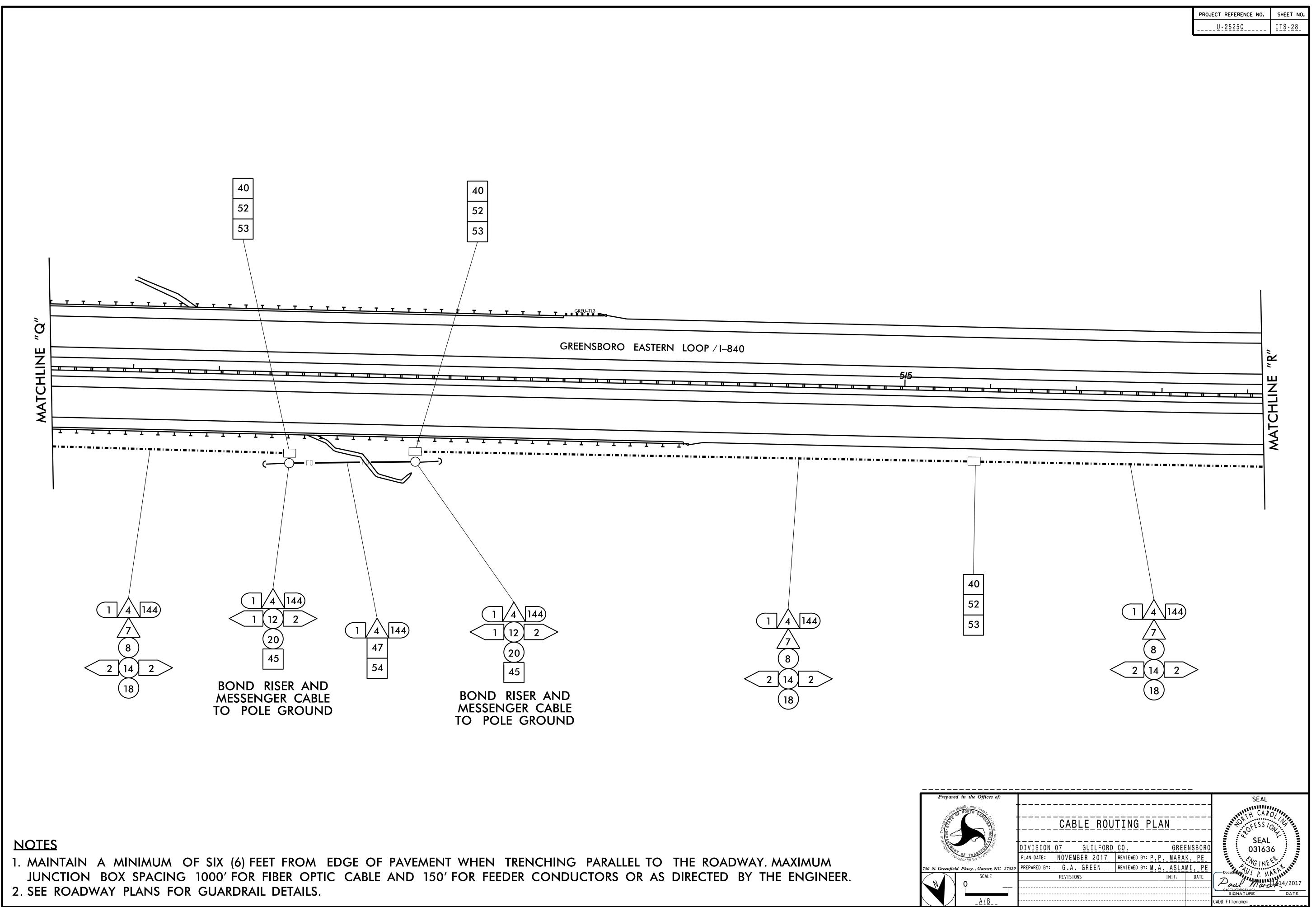


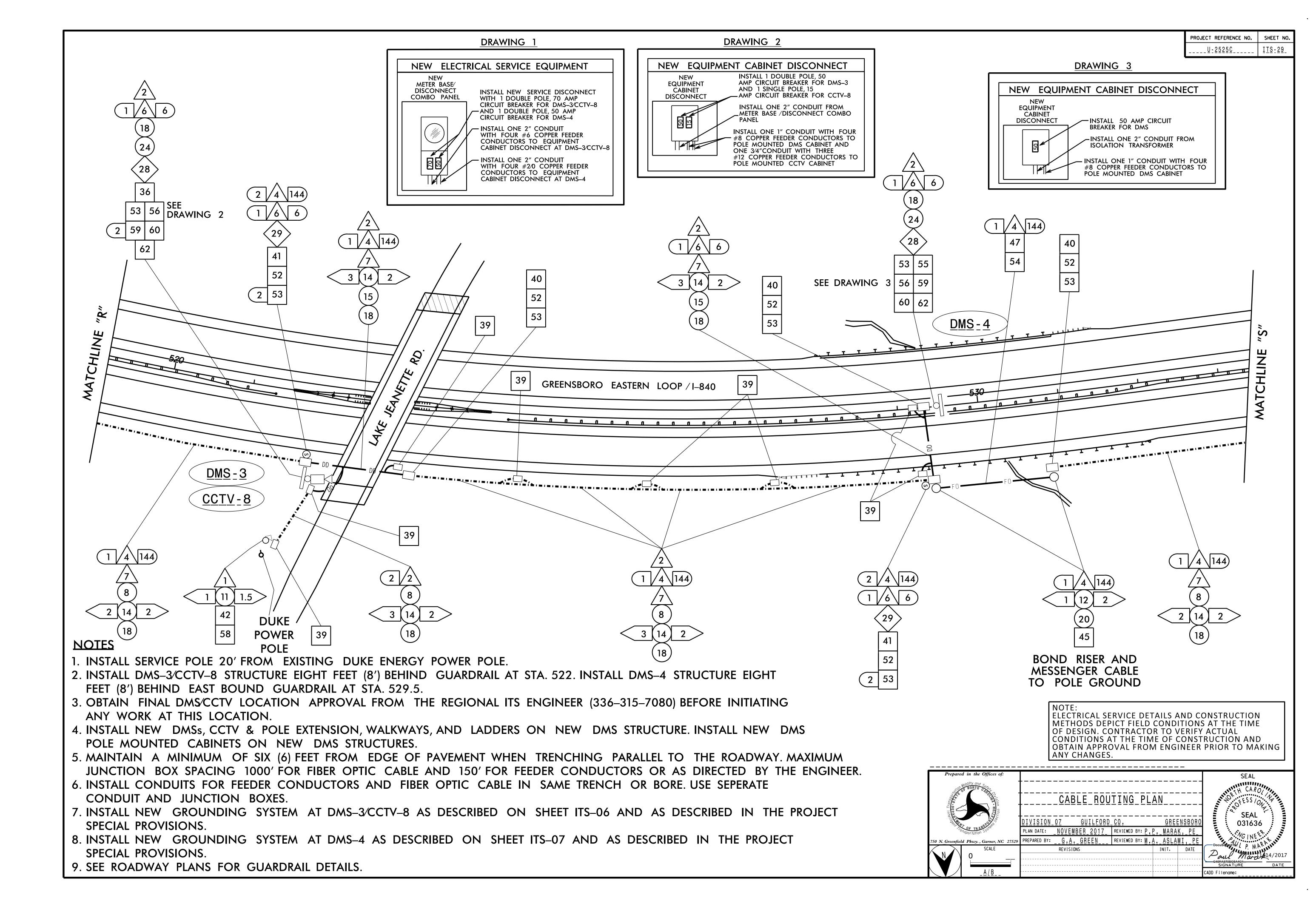








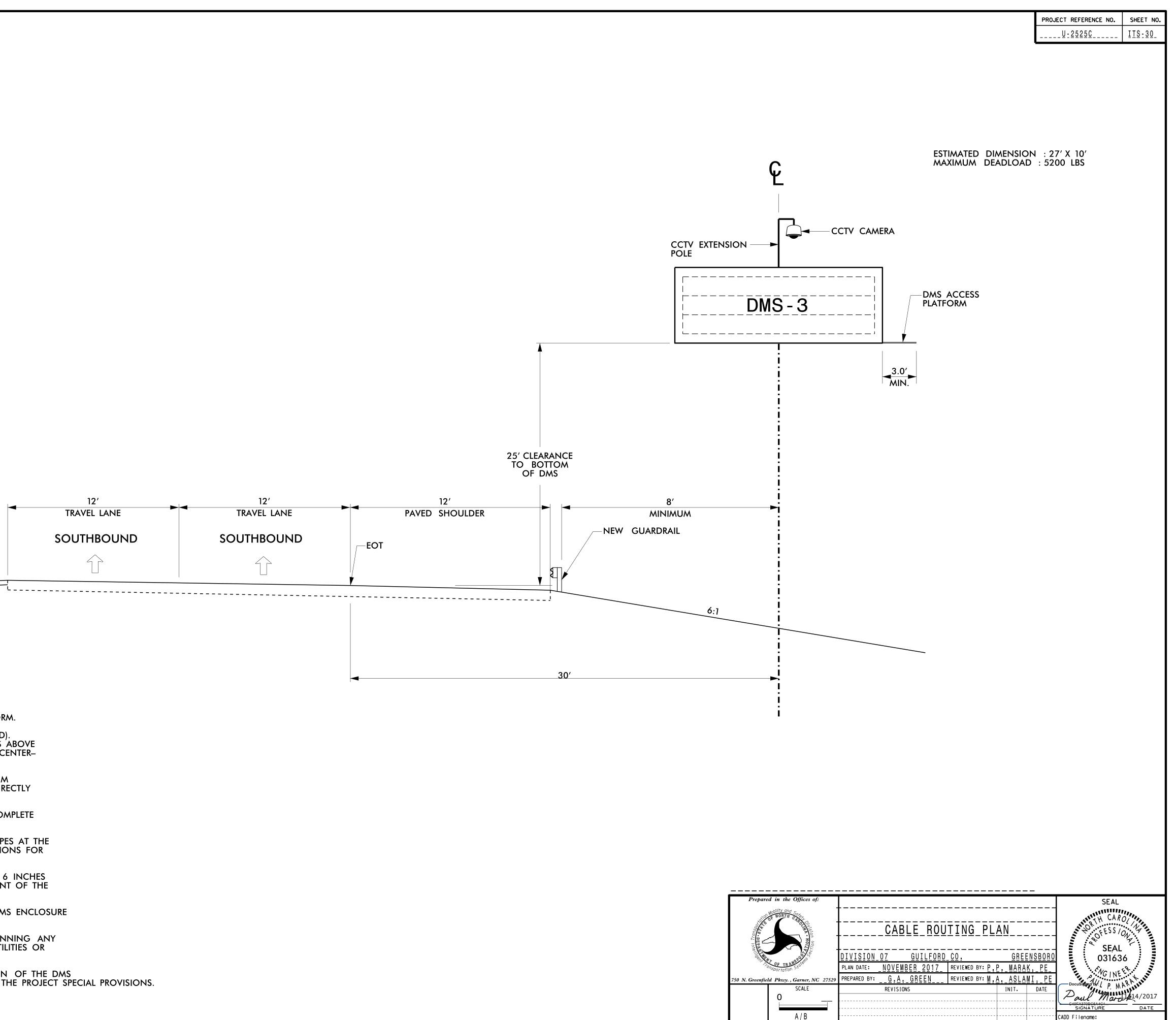


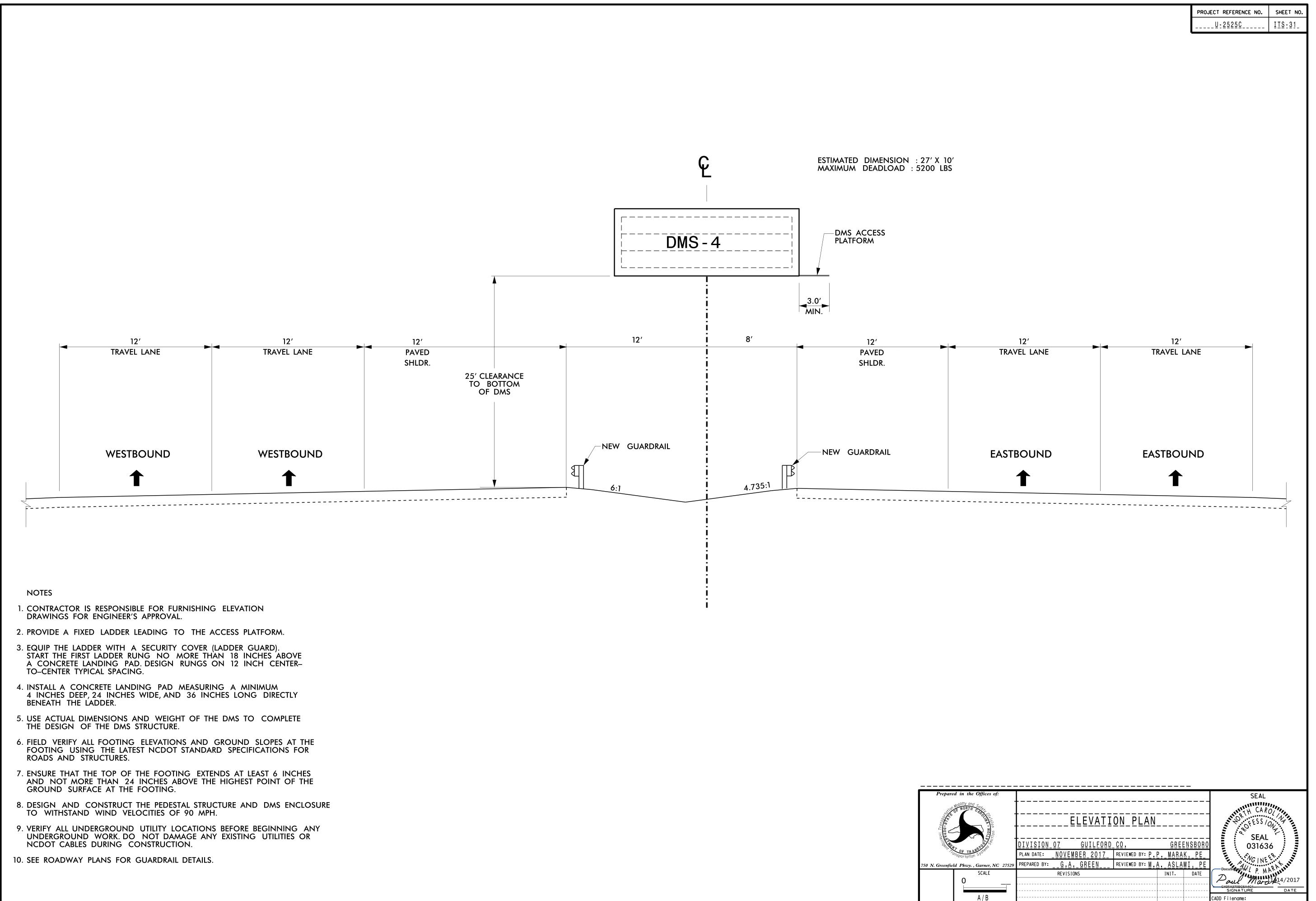


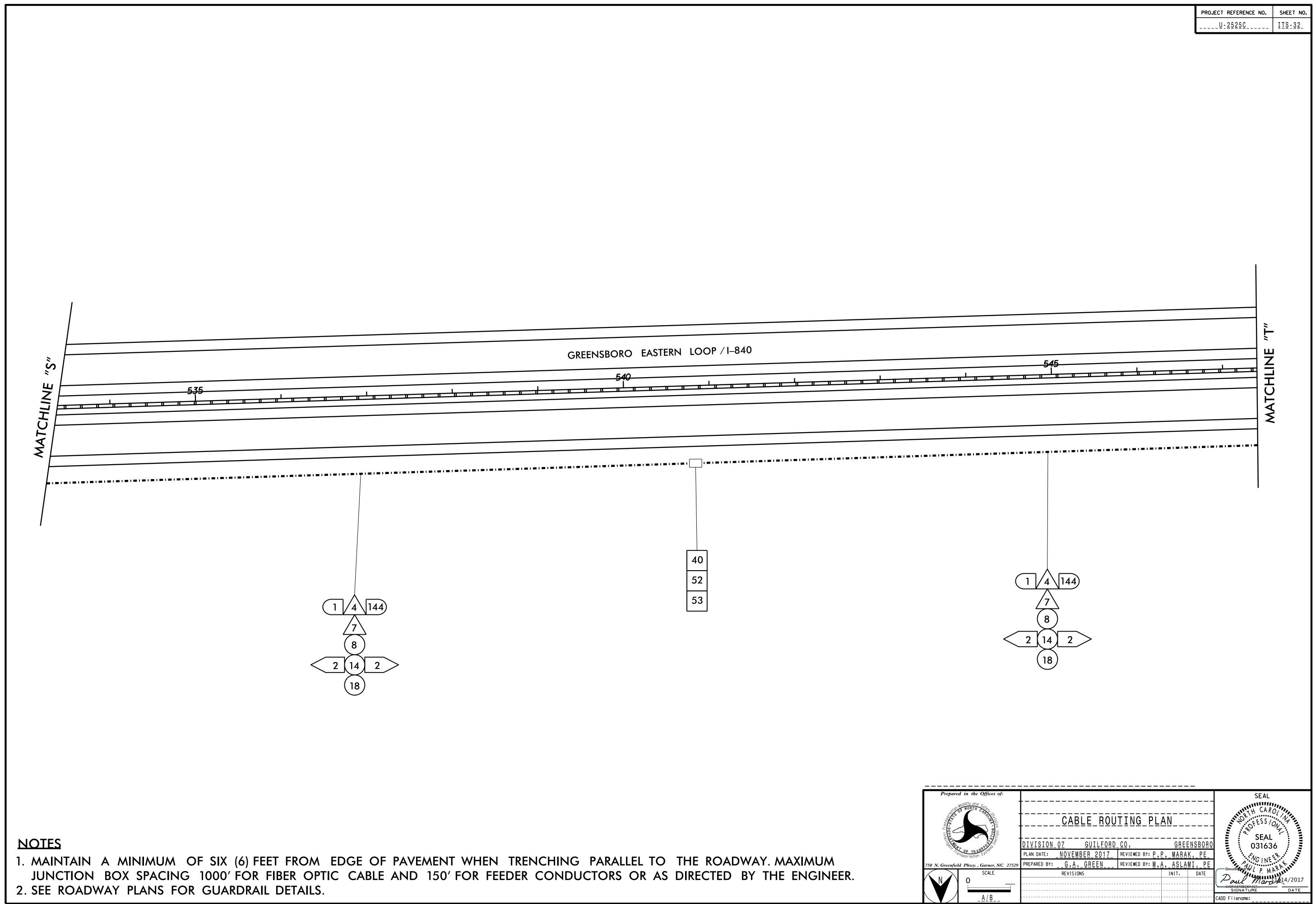
12′ TRAVEL LANE SOUTHBOUND

NOTES

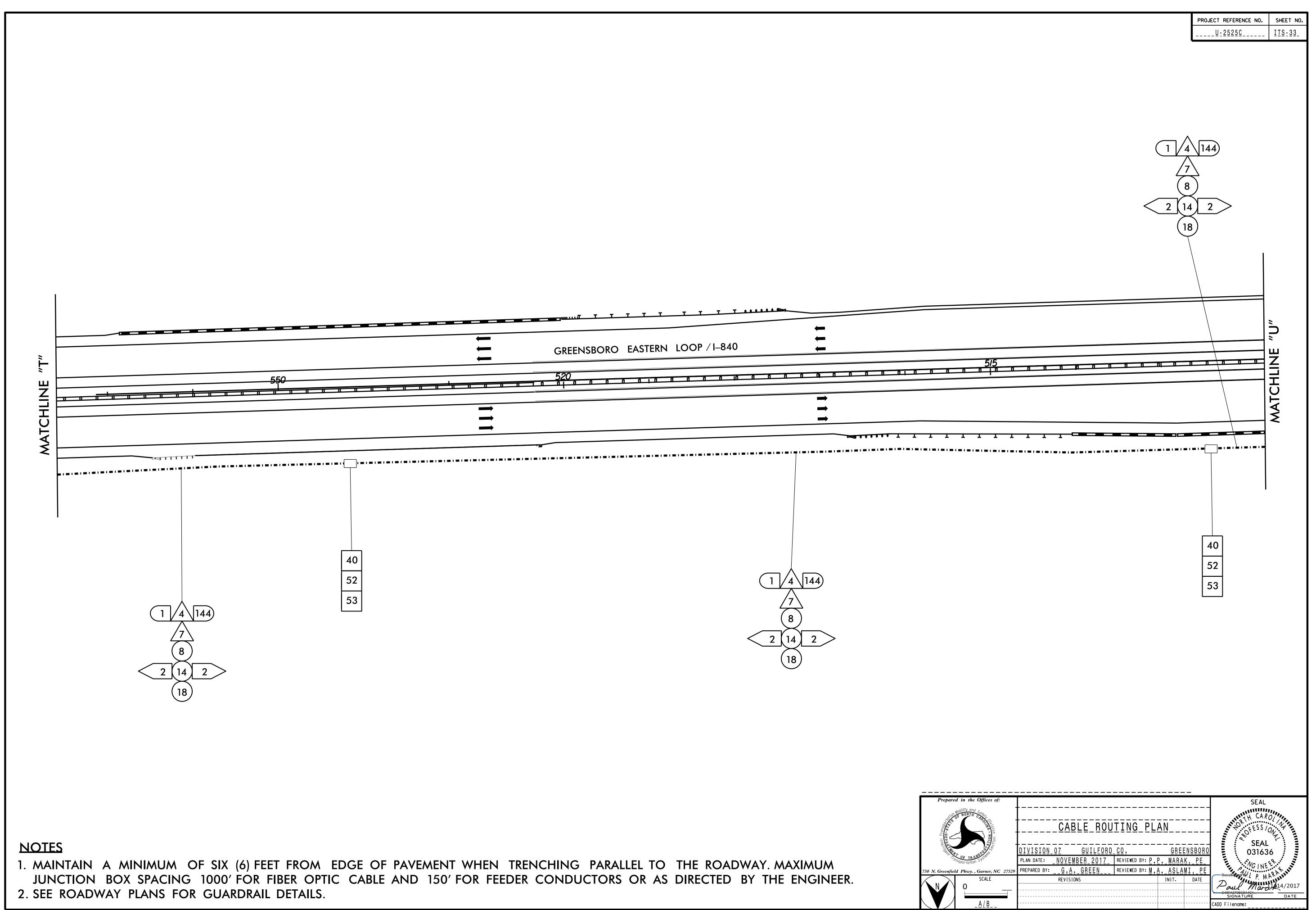
- 1. CONTRACTOR IS RESPONSIBLE FOR FURNISHING ELEVATION DRAWINGS FOR ENGINEER'S APPROVAL.
- 2. PROVIDE A FIXED LADDER LEADING TO THE ACCESS PLATFORM.
- 3. EQUIP THE LADDER WITH A SECURITY COVER (LADDER GUARD). START THE FIRST LADDER RUNG NO MORE THAN 18 INCHES ABOVE A CONCRETE LANDING PAD. DESIGN RUNGS ON 12 INCH CENTER-TO-CENTER TYPICAL SPACING.
- 4. INSTALL A CONCRETE LANDING PAD MEASURING A MINIMUM 4 INCHES DEEP, 24 INCHES WIDE, AND 36 INCHES LONG DIRECTLY
- BENEATH THE LADDER.
- 5. USE ACTUAL DIMENSIONS AND WEIGHT OF THE DMS TO COMPLETE THE DESIGN OF THE DMS STRUCTURE.
- 6. FIELD VERIFY ALL FOOTING ELEVATIONS AND GROUND SLOPES AT THE FOOTING USING THE LATEST NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES.
- 7. ENSURE THAT THE TOP OF THE FOOTING EXTENDS AT LEAST 6 INCHES AND NOT MORE THAN 24 INCHES ABOVE THE HIGHEST POINT OF THE GROUND SURFACE AT THE FOOTING.
- 8. DESIGN AND CONSTRUCT THE PEDESTAL STRUCTURE AND DMS ENCLOSURE TO WITHSTAND WIND VELOCITIES OF 90 MPH.
- 9. VERIFY ALL UNDERGROUND UTILITY LOCATIONS BEFORE BEGINNING ANY UNDERGROUND WORK. DO NOT DAMAGE ANY EXISTING UTILITIES OR NCDOT CABLES DURING CONSTRUCTION.
- 10. DESIGN THE STRUCTURE TO ACCOMODATE THE INSTALLATION OF THE DMS WITH A CCTV CAMERA EXTENSION POLE AS DESCRIBED IN THE PROJECT SPECIAL PROVISIONS.
- 11. SEE ROADWAY PLANS FOR GUARDRAIL DETAILS.

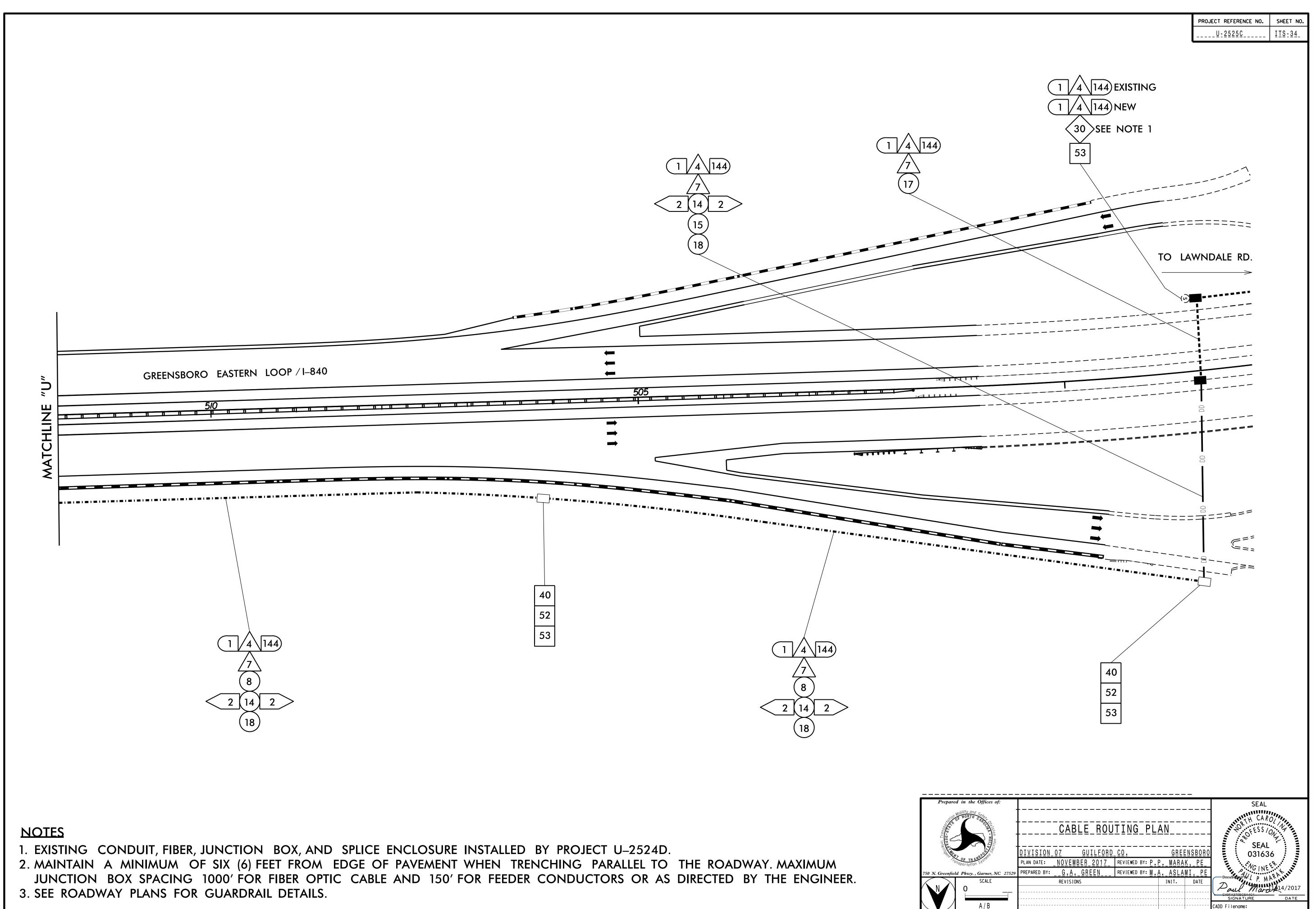


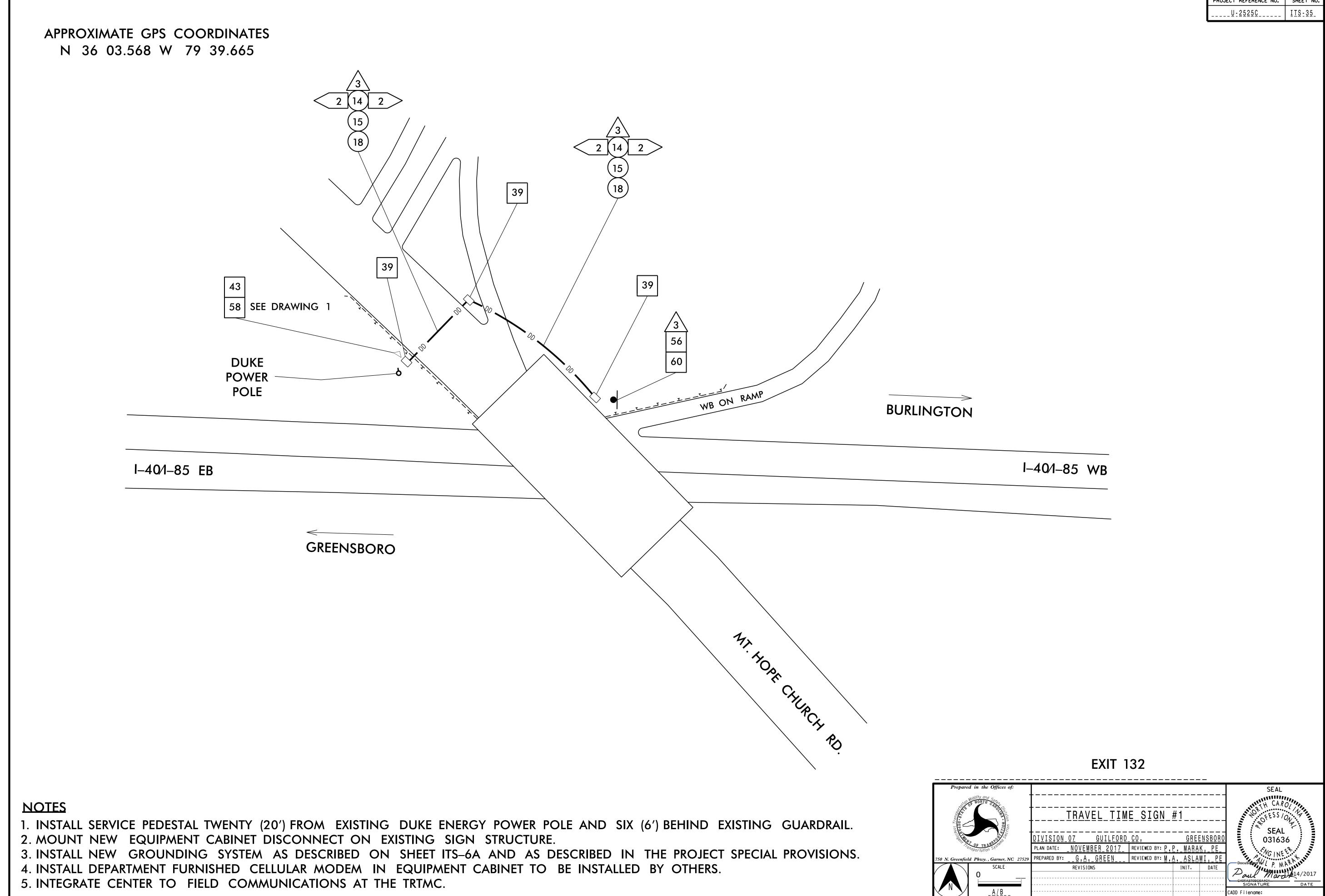




,



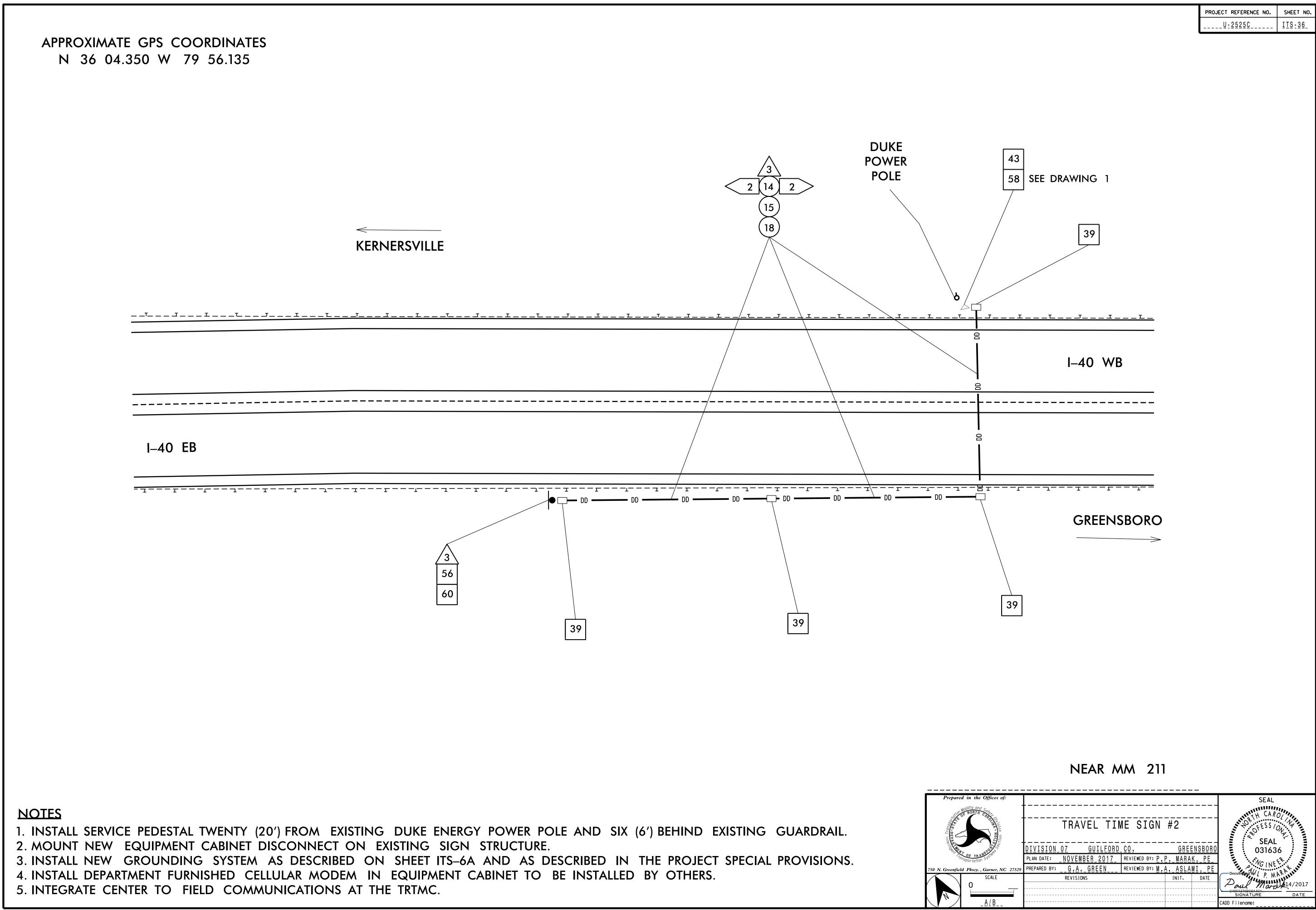




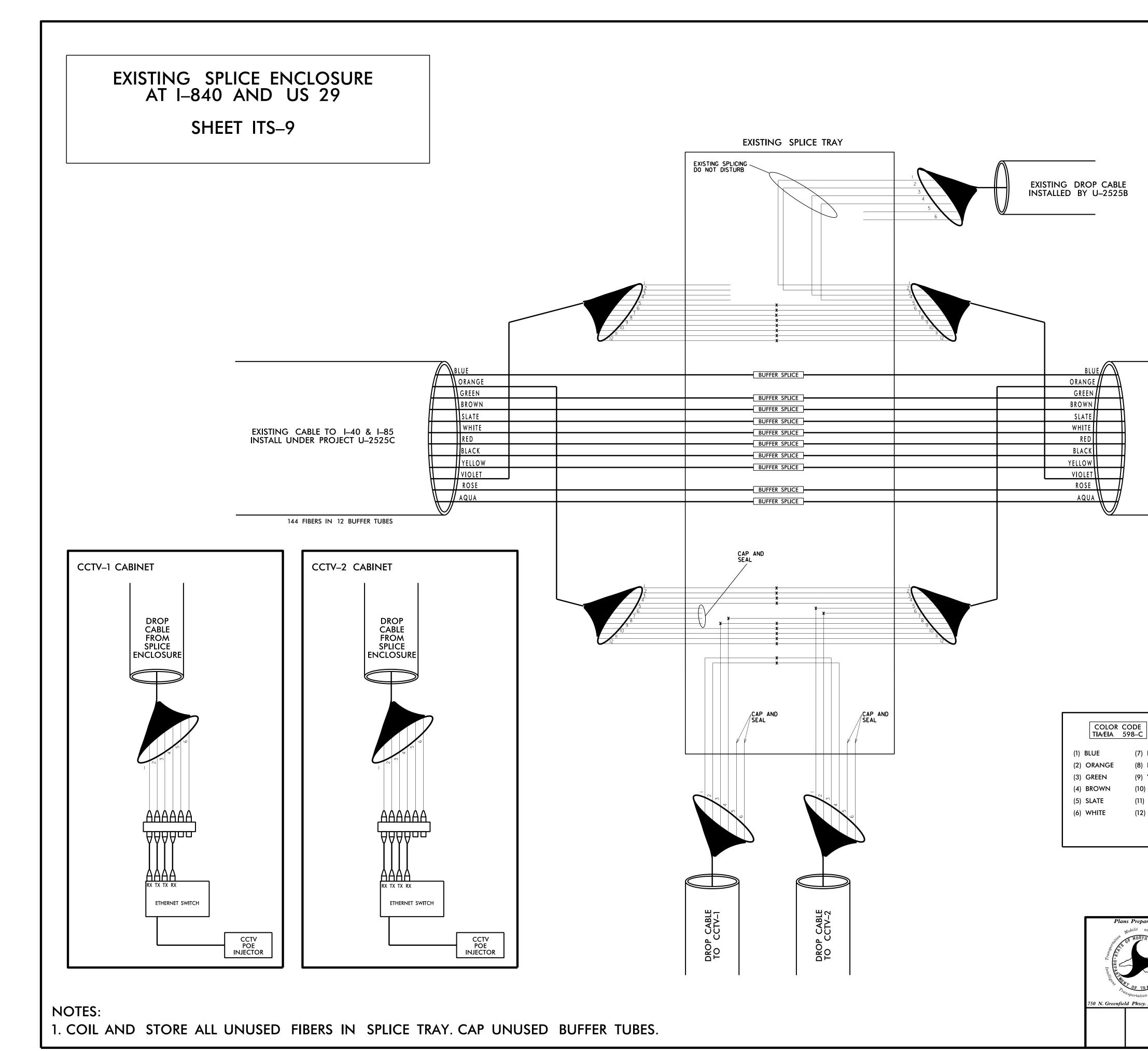
•

PROJECT REFERENCE NO.	SHEET NO.
<u>U-2525C</u>	<u>ITS-35</u>





PROJECT REFERENCE NO.	SHEET NO.
<u>U-2525C</u>	<u>ITS-36</u>



	PROJECT REFERENCE NO	SHEET NO.
	U–2525C	ITS-37
LEGE	ND	
X = FUSION E = EXISTIN	N SPLICE IG FUSION SPL	ICE
COLOR C TIA⁄EIA		
(1) BLUE	(7) RED	
(2) ORANGE	(8) BLACK	
(3) GREEN	(9) YELLOW	
(4) BROWN	(10) VIOLET	
(5) SLATE	(11) ROSE	
(6) WHITE	(12) AQUA	

NEW CABLE WEST TO NEXT SPLICE

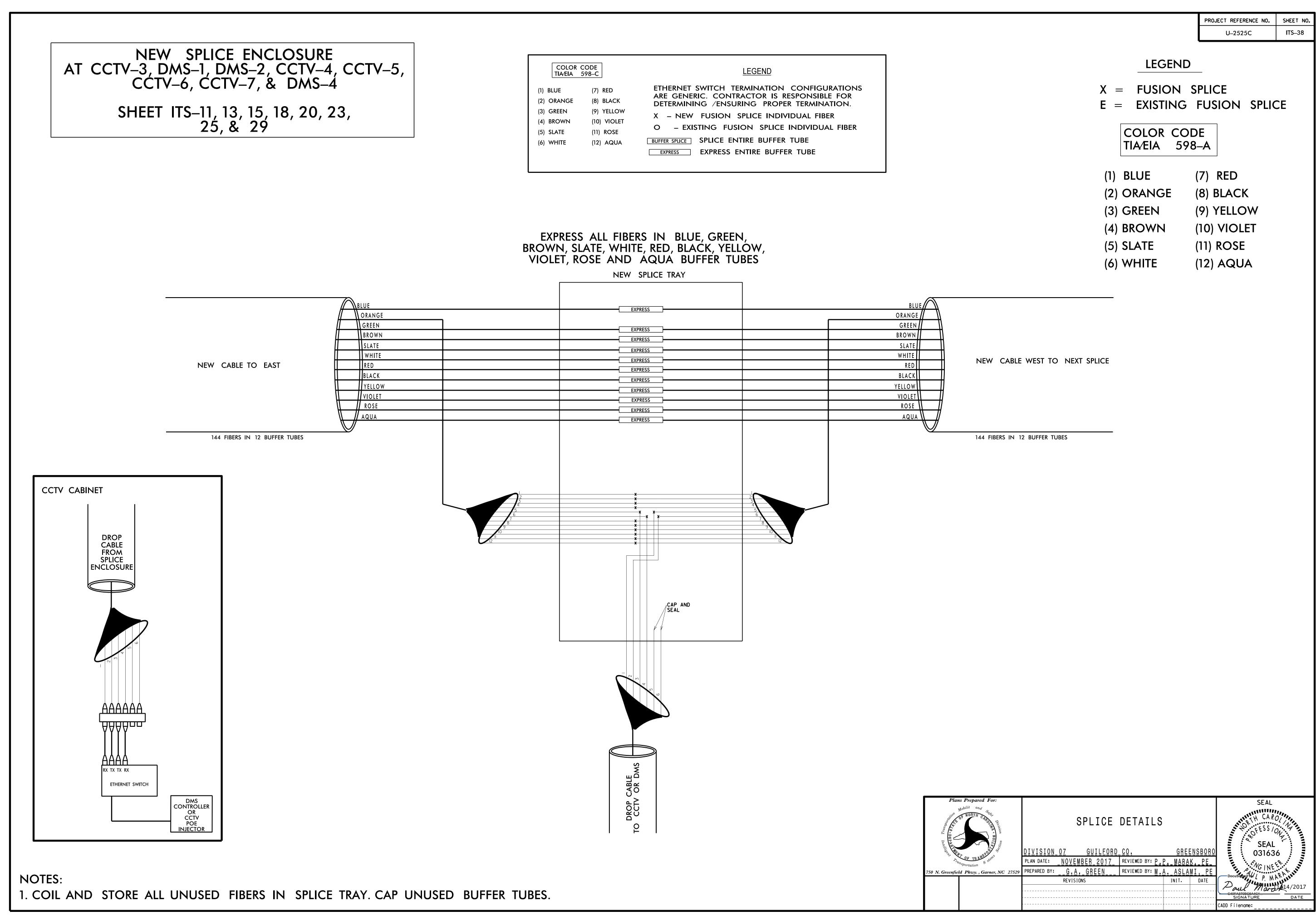
144 FIBERS IN 12 BUFFER TUBES

<u>LEGEND</u>

(7) RED (8) BLACK (9) YELLOW (10) VIOLET (11) ROSE (12) AQUA

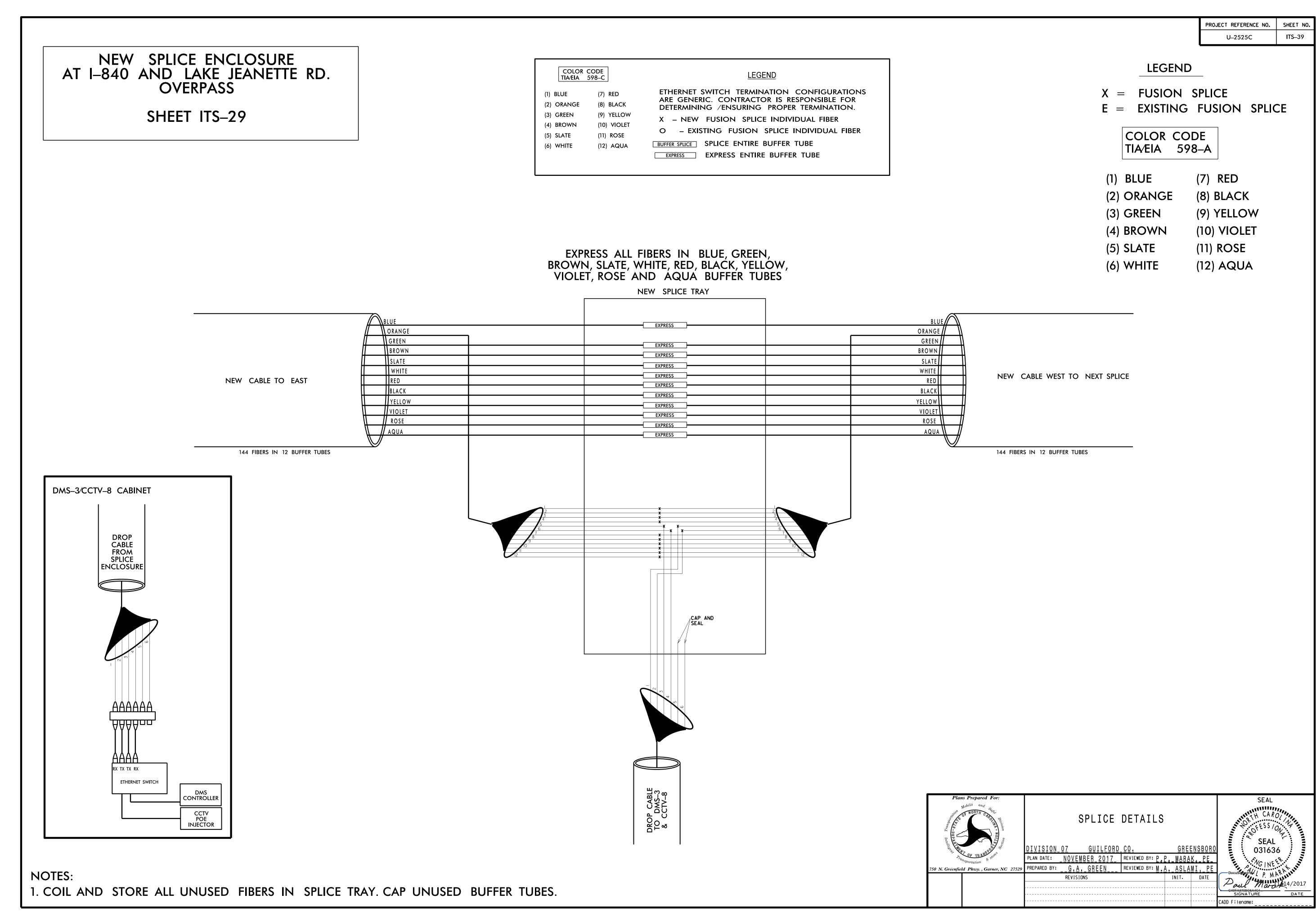
ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING /ENSURING PROPER TERMINATION. X – NEW FUSION SPLICE INDIVIDUAL FIBER O – EXISTING FUSION SPLICE INDIVIDUAL FIBER BUFFER SPLICE SPLICE ENTIRE BUFFER TUBE EXPRESS EXPRESS ENTIRE BUFFER TUBE

obilit and Sure Division us	SPLICE DETAILS	SEAL HORTH CAROL HORTESSION
	DIVISION_07 GUILFORD_CO. GREENSBORG	
Sportation S stern	PLAN DATE: <u>NOVEMBER 2017</u> REVIEWED BY: P.P. MARAK, PE	
l Pkwy., Garner, NC 27529	PREPARED BY: GREEN REVIEWED BY: M.A. ASLAMI, PE	Dogu Stratty I I I R P I I I
	REVISIONS INIT. DATE	Docusing the P. MAN
		aut March 14/2017
		SIGNATURE DATE
		CADD Filename:



TIA⁄EIA	598–C	LEGEND
(1) BLUE	(7) RED	ETHERNET SWITCH TERMINATION CONFIGURATIONS
(2) ORANGE	(8) BLACK	ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING /ENSURING PROPER TERMINATION.
(3) GREEN	(9) YELLOW	X – NEW FUSION SPLICE INDIVIDUAL FIBER
(4) BROWN	(10) VIOLET	
5) SLATE	(11) ROSE	O – EXISTING FUSION SPLICE INDIVIDUAL FIBER
6) WHITE	(12) AQUA	BUFFER SPLICE SPLICE ENTIRE BUFFER TUBE
		EXPRESS ENTIRE BUFFER TUBE

		PROJECT REFERENCE NO.	SHEET NO.
		U–2525C	ITS–38
	LEGEND	_	
	FUSION S EXISTING	PLICE FUSION SPLIC	CE .
	COLOR COD IA⁄EIA 598		
(1) B	BLUE ((7) RED	
(2) C	DRANGE ((8) BLACK	
(3) G	GREEN (9) YELLOW	
(4) B	ROWN ((10) VIOLET	
(5) S	LATE ((11) ROSE	
(6) W	VHITE ((12) AQUA	



	ODE 98–C	LEGEND
(1) BLUE	(7) RED	ETHERNET SWITCH TERMINATION CONFIGURATIONS
(2) ORANGE	(8) BLACK	ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING /ENSURING PROPER TERMINATION.
(3) GREEN	(9) YELLOW	X = NEW FUSION SPLICE INDIVIDUAL FIBER
(4) BROWN	(10) VIOLET	
(5) SLATE	(11) ROSE	O – EXISTING FUSION SPLICE INDIVIDUAL FIBER
(6) WHITE	(12) AQUA	BUFFER SPLICE SPLICE ENTIRE BUFFER TUBE
		EXPRESS ENTIRE BUFFER TUBE

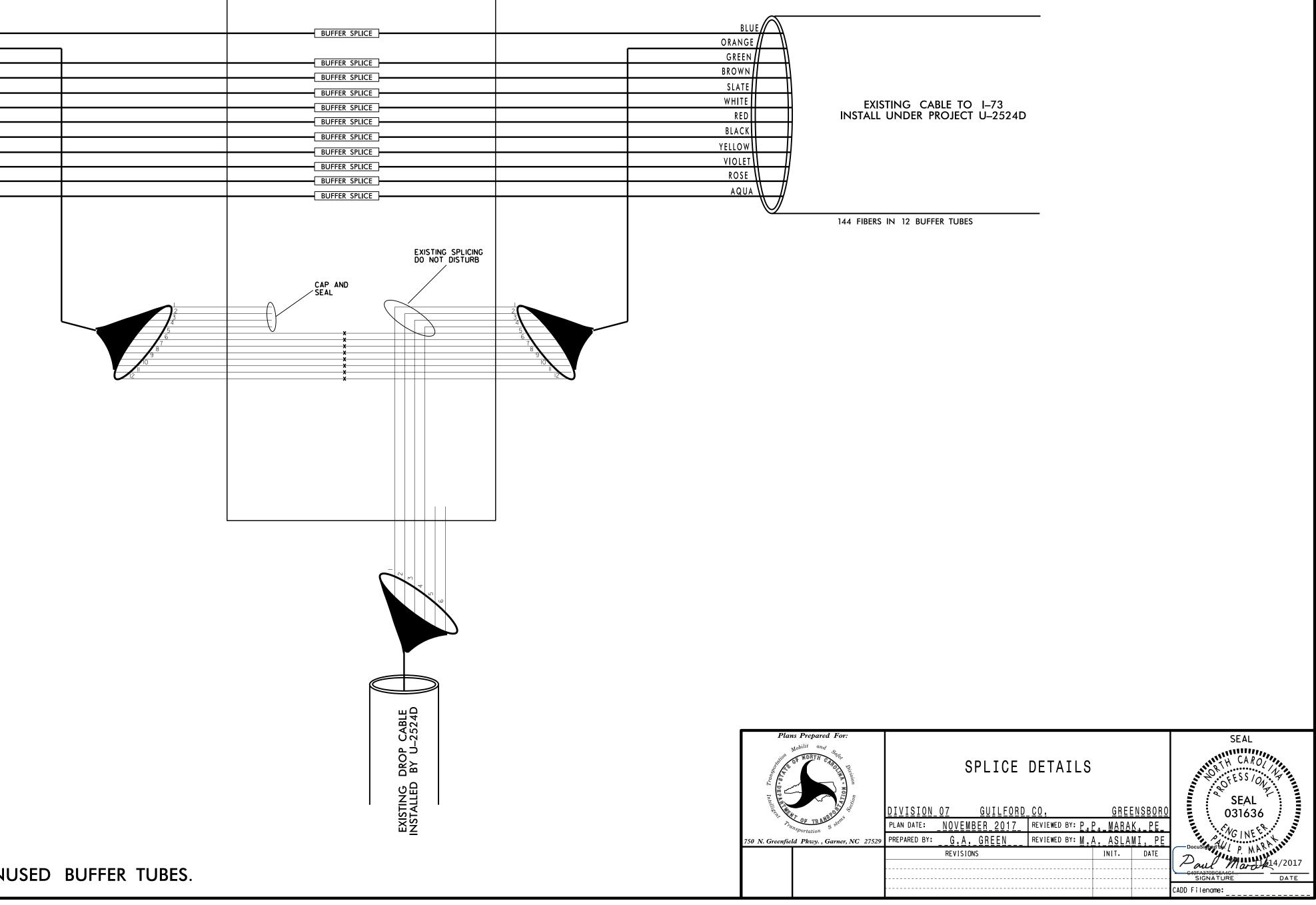
-39

	EXI AT	STING I-840	, SF AN	PLICE D LA\	ENCI WND		UR R	E D.		
			SHE	ET ITS	-34					
L										
										BLUE ORA GRE BRC
					NEW CA	BLE TO	EAS	г		SLA WH REI
										BLA YE VIC
					144 FI	BERS IN 1	2 BUFF	ER TUBES		<u> AQI</u>
NOTES	•									
		STORE	ALL	UNUSE	D FIB	ERS	IN	SPLICE	TRAY	. C <i>i</i>

•

COLOR TIA⁄EIA	CODE 598–C	LEGEND
(1) BLUE (2) ORANGE	(7) RED (8) BLACK	ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING /ENSURING PROPER TERMINATION.
(3) GREEN(4) BROWN(5) SLATE	(9) YELLOW (10) VIOLET	X – NEW FUSION SPLICE INDIVIDUAL FIBER O – EXISTING FUSION SPLICE INDIVIDUAL FIBER
(5) SLATE (6) WHITE	(11) ROSE (12) AQUA	BUFFER SPLICE SPLICE ENTIRE BUFFER TUBE

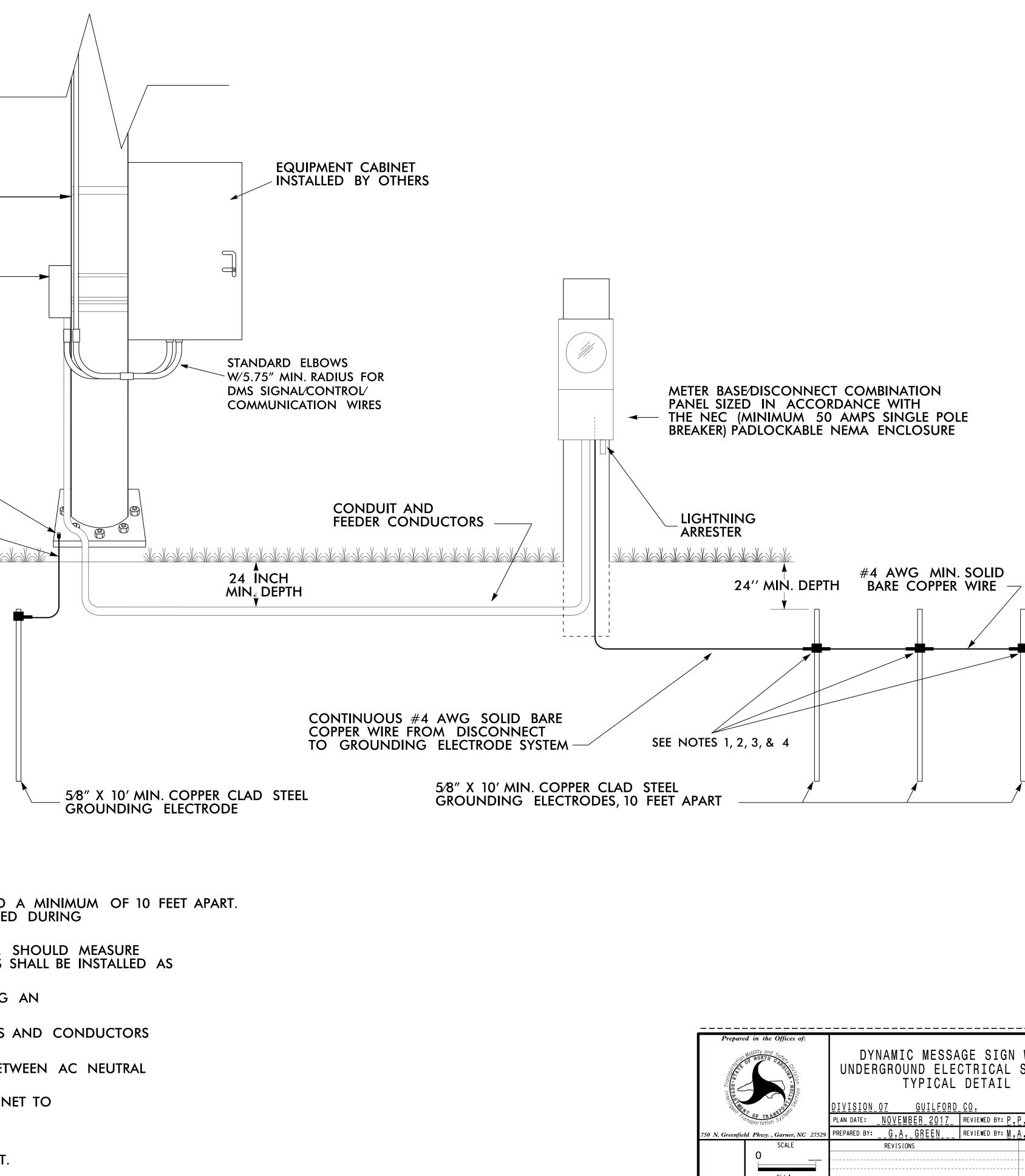
EXISTING SPLICE TRAY



PROJECT REFERENCE NO.	SHEET NO.
U–2525C	ITS-40
ND	
N SPLICE	
NG FUSION SPLI	CE
CODE	
(7) RED	
(9) YELLOW	
(10) VIOLET	
(11) ROSE	
	U-2525C END ON SPLICE NG FUSION SPLICE CODE 598–A (7) RED (7) RED (8) BLACK (9) YELLOW (10) VIOLET

	DMS SIGNAL/CONTROL/ COMMUNICATION WIRES BY OTHERS
	EQUIPMENT CABINET
	1/4 INCH GROUNDING LUG
	#4 AWG MIN. SOLID BARE COPPER WIRE
	Alalalalalalalalalalalalalalalalalalala
N	OTES
1.	INSTALL A MINIMUM OF THREE (3) GROUNDING ELECTRODES SPACED ENSURE THAT EXISTING UNDERGROUND FACILITIES ARE NOT DAMAGED INSTALLATION.
2.	TEST GROUNDING SYSTEM USING AN APPROVED METHOD. SYSTEM S TWENTY (20) OHMS OR LESS. ADDITIONAL GROUNDING ELECTRODES S DIRECTED BY THE ENGINEER TO MEET THIS REQUIREMENT.
3.	MECHANICALLY CRIMP ALL CONNECTIONS TO GROUND RODS USING IRREVERSIBLE COMPRESSION TOOL.
4.	INSTALL MARKER TAPE DIRECTLY ABOVE ALL GROUNDING ELECTRODES A

- 5. REMOVE BONDING JUMPER IN EQUIPMENT CABINET IF INSTALLED BETWEEN AC NEUTRAL AND EQUIPMENT GROUND.
- 6. BOND ALL RIGID GALVANIZED STEEL CONDUITS ENTERING THE CABINET TO "EQUIPMENT GROUND".
- 7. INSTALL CONDUIT BETWEEN DISCONNECT AND CABINET.
- 8. ENSURE EQUIPMENT GROUND IS ELECTRICALLY BONDED TO CABINET.



PROJECT REFERENCE NO.	SHEET NO.
<u>U-2525C</u>	<u>ITS-6A</u>

			_		
Prepared in the Offices of:	DYNAMIC MESSA UNDERGROUND ELEC TYPICAL	TRICAL SERVI	CE	SEA THE CALL OF ES	AROL NY
Consportation 5151815	DIVISION_07 GUILFORD_ PLAN DATE: <u>NOVEMBER_2017</u>	<u>CO.</u> <u>GREE</u> REVIEWED BY: <u>P.PMARAK</u>	<u>NSBORO</u> (,_ <u>PE</u> _		
Greenfield Pkwy. , Garner, NC 27529	PREPARED BY: <u>G.A. GREEN</u>	REVIEWED BY: M.A. ASLAN	<u>/I,_PE</u>	DocuSiniaed by:	NERATIN
O	REVISIONS	INIT.	DATE		MAN 14/2017
				SIGNATURE	DATE
<u>N / A</u>				CADD Filename:	