

INDEX OF SHEETS

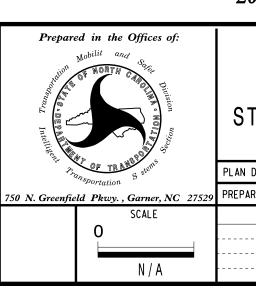
SHEET	1	TITLE SHEET
SHEET	2	INDEX OF SHEETS, ROADWAY STANDA
SHEET	3–6	PLAN SHEETS
SHEET	7–8	TYPICAL DETAILS

ARD DRAWINGS, AND LEGEND

ROA THE FO STANDA OF TRA APPLIC CONSID <u>STD</u> 1700. 1700. 1715. 1751. 1751.

LEGEND

NEW CONDUIT -----DIRECTIONAL DRILL CONDUIT ____ DD _____ DD ____ DD ____ DD ____ EXISTING GUARDRAIL NEW GUARDRAIL -1 1 1 1 1 1 1 1 1 EXISTING CABLE GUIDE RAIL J 0 0 0 0 0 EXISTING POLE \bigtriangledown NEW ELECTRICAL SERVICE NEW DMS PEDESTAL MOUNTED STRUCTURE



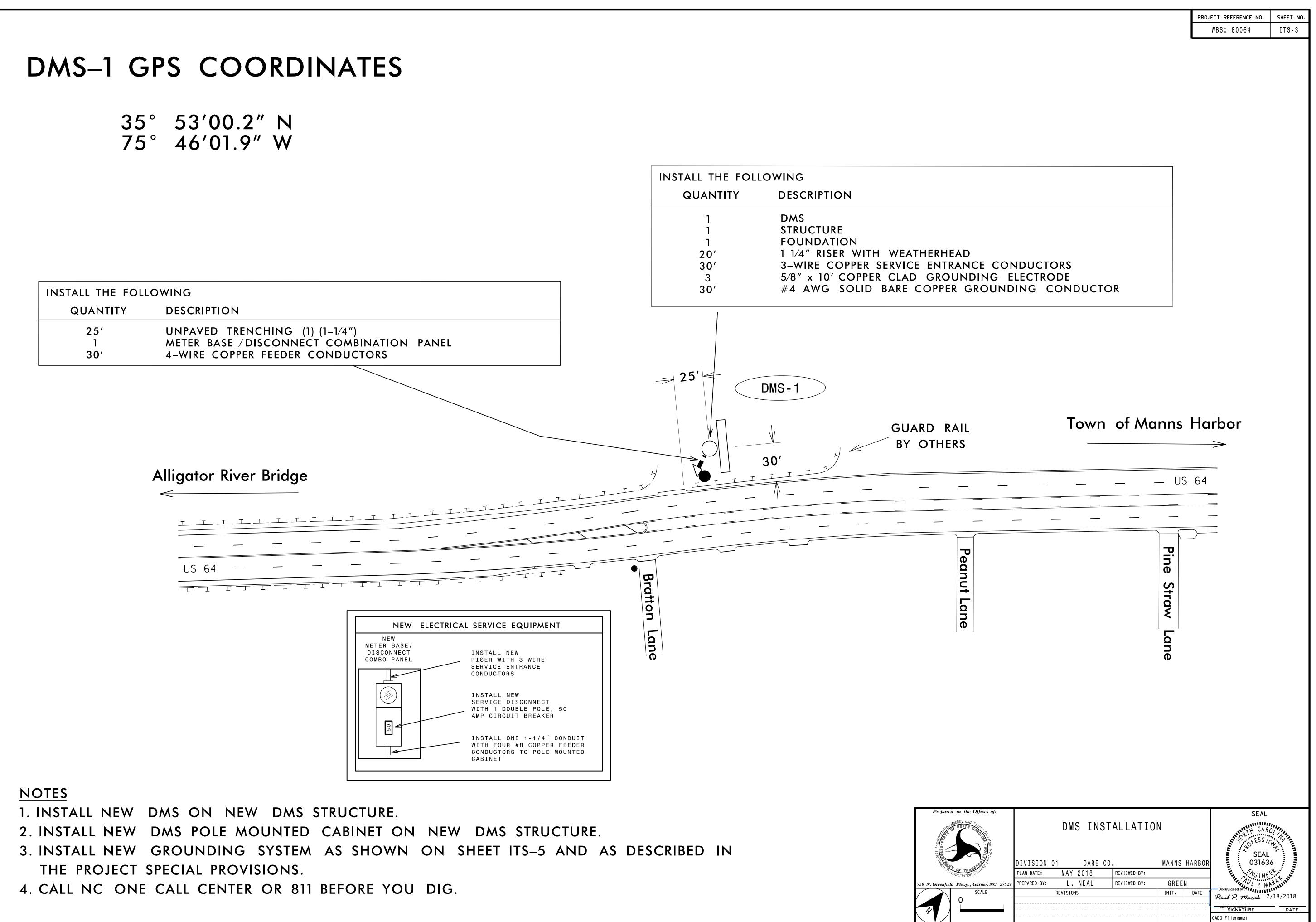
PROJ	ECT REFE	SHEET NO.		
WBS	80064	&	80065	I T S - 2

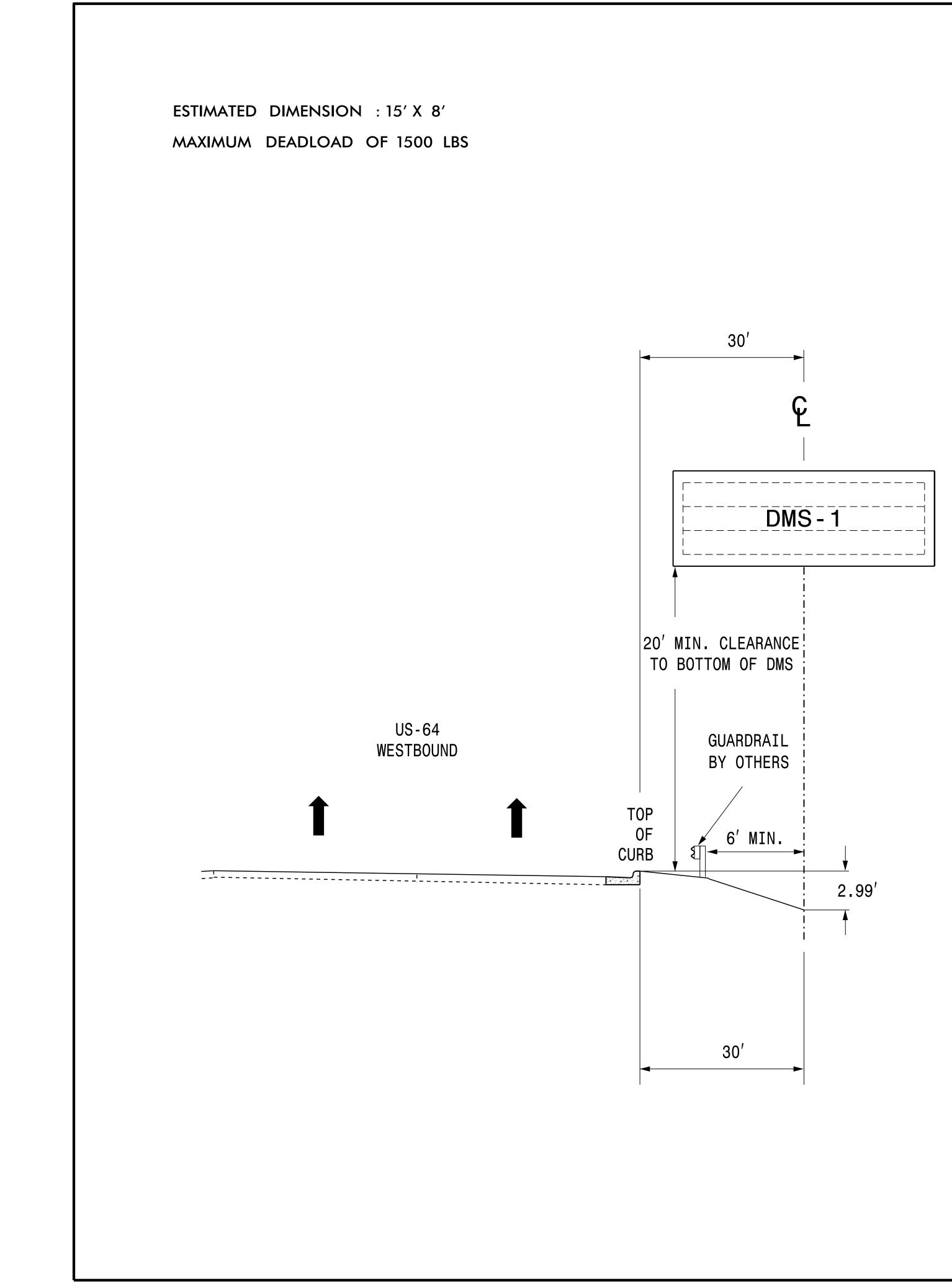
ROADWAY STANDARD DRAWINGS

FOLLOWING ROADWAY STANE)ARDS AS APPEAR IN "ROADWAY
DARD DRAWINGS" ROADWAY	DESIGN UNIT - N.C. DEPARTMENT
RANSPORTATION - RALEIGH	I, N.C., DATED JANUARY 2018 ARE
ICABLE TO THIS PROJECT	AND BY REFERENCE HEREBY ARE
IDERED A PART OF THESE	PLANS:
D. NO.	TITLE
0.01	ELECTRICAL SERVICE OPTIONS
0.02	ELECTRICAL SERVICE GROUNDING
5.01	UNDERGROUND CONDUIT-TRENCHING
1.01	CONTROLLER AND CABINETS
1.02	CONTROLLER AND CABINETS

2018 STANDARD SPECIFICATIONS

DMS INSTALLATION INDEX OF SHEETS, ROA TANDARD DRAWINGS, AND	ADWAY		SEAL SEAL SEAL O3163		
DATE: JUNE 2018 REVIEWED BY:			A INF		
ARED BY: L. NEAL REVIEWED BY:	GREEN		AULP. N	ARA	
REVISIONS	INIT.	DATE	Paul P. Marak	7/18/2018	
			SIGNATURE	DATE	
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NOTES:

- DMS STRUCTURE.
- FOR ROADS AND STRUCTURES.



PROJECT REFERENCE NO.	SHEET NO.
WBS: 80064	I T S - 4

1. USE THE ACTUAL DIMENSIONS AND WEIGHT OF THE DMS PROVIDED BY THE DMS FABRICATOR TO COMPLETE THE DESIGN OF THE

2. FIELD VERIFY ALL FOOTING ELEVATIONS AND GROUND SLOPES AT THE FOOTINGS USING THE LATEST NCDOT STANDARD SPECIFICATIONS

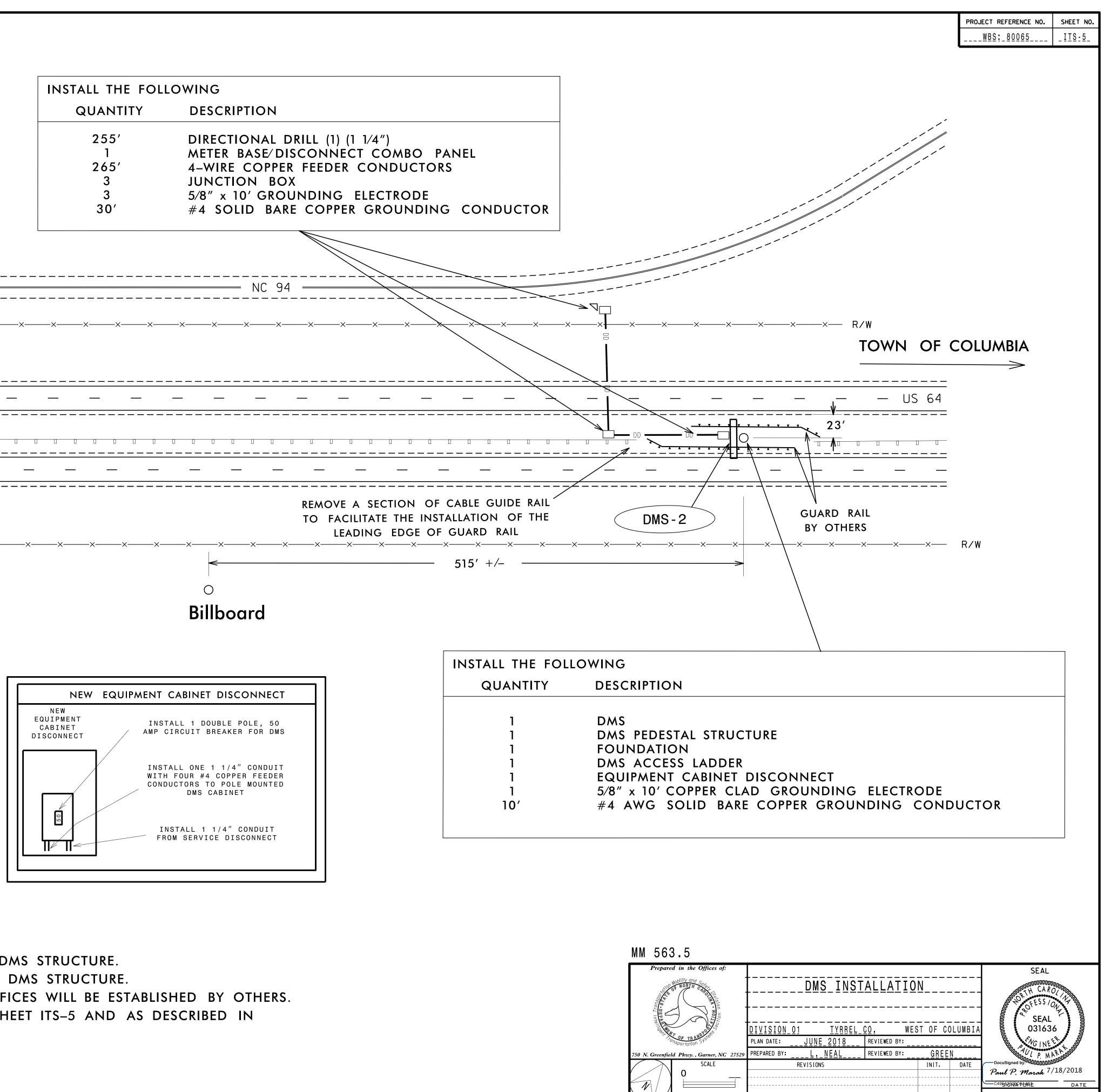
3. ENSURE THAT THE TOP OF THE FOOTING EXTENDS AT LEAST 6 INCHES AND NOT MORE THAN 24 INCHES ABOVE THE HIGHEST POINT OF THE GROUND SURFACE AT THE FOOTING.

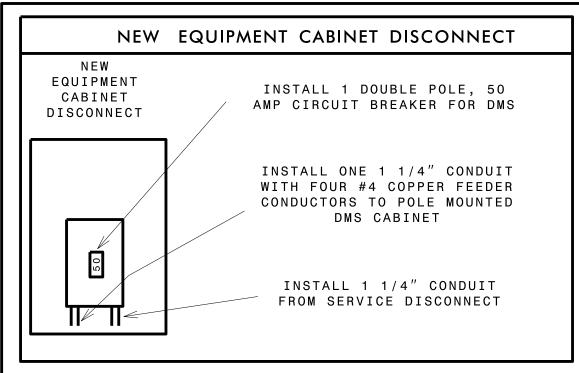
4. DESIGN AND CONSTRUCT THE PEDESTAL STRUCTURE AND DMS ENCLOSURE TO WITHSTAND WIND VELOCITIES OF 140 MPH.

5. VERIFY ALL UNDERGROUND UTILITY LOCATIONS BEFORE BEGINNING ANY UNDERGROUND WORK. DO NOT DAMAGE ANY EXISTING UTILITIES OR NCDOT COMMUNICATIONS CABLE DURING CONSTRUCTION.

DMS INSTALLATION					SEAL	
SION 01	DAI	RE CO.	MANNS	HARBOR	- :	
DATE: MAY	2018	REVIEWED BY:			031636	
RED BY: L.	NEAL	REVIEWED BY:	GREEN		DocuSigned by:	RALIN
REVISIO	NS		INIT.	DATE	Paul P. Marak	7/18/2018
					C49FA370BC5A4C1	DATE
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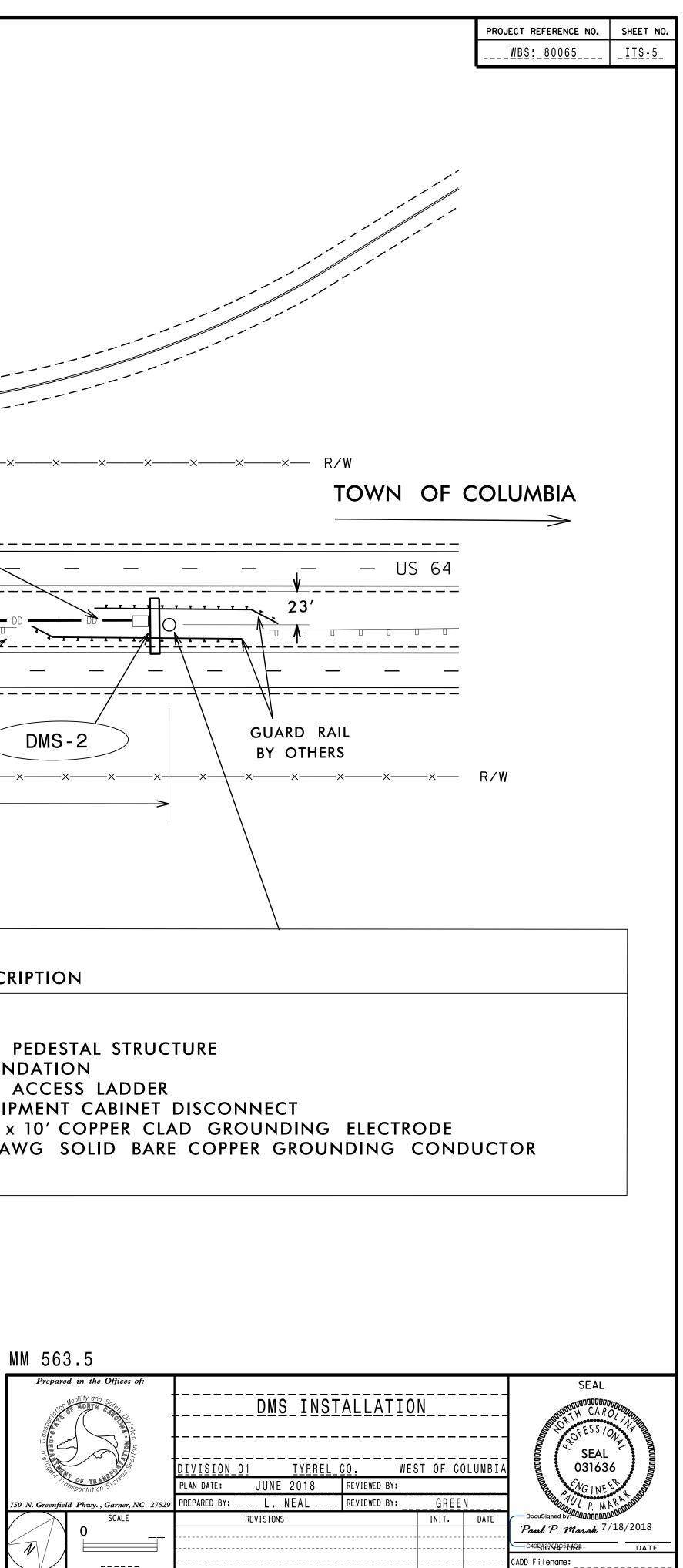
TOWN	OF CRESWE	 R/W —×—— LL	xx	X
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	<u> </u>			
R∕W	xxx	xxx	-xx	•xx
ſ				
DI	NEW ELECTRICA NEW TER BASE/ ISCONNECT MBO PANEL	L SERVICE EQUIPM	ENT	
		INSTALL NEW SERVICE DISCONNEC WITH 1 DOUBLE POL AMP CIRCUIT BREAK	E, 50	
		INSTALL ONE 1 1/4 WITH FOUR #4 COPP CONDUCTORS TO EQU CABINET DISCONNEC	ER FEEDER IPMENT	

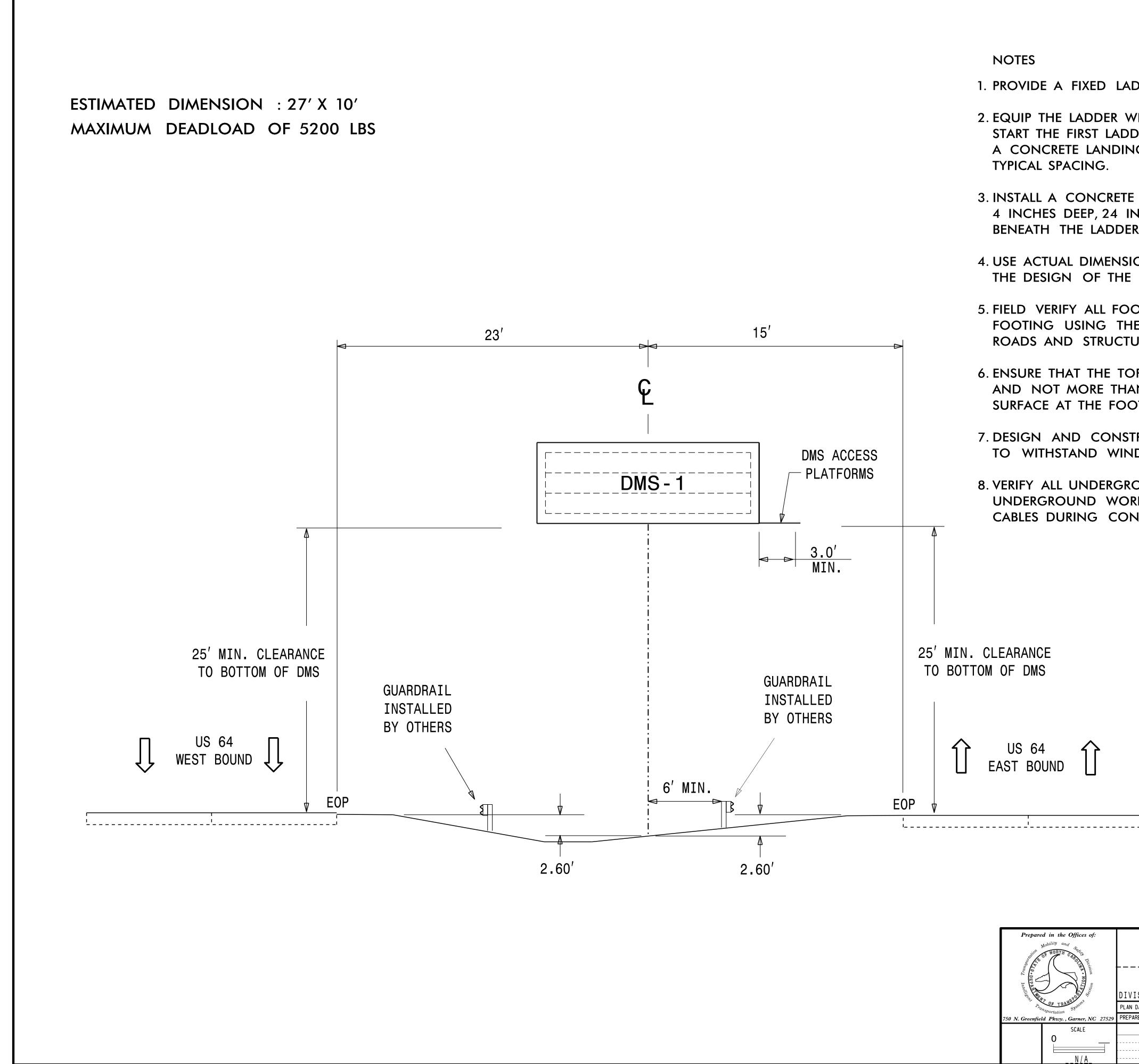




INSTALL THE FO	LLOWING
QUANTITY	DESCRIPT
1	DMS
1	DMS PED
1	FOUNDA DMS AC
1	EQUIPME
1 10'	5/8″ x 10 #4 AWG

DMS STRUCTURE. DMS STRUCTURE. FICES WILL BE ESTABLISHED BY OTHERS. SHEET ITS-5 AND AS DESCRIBED IN

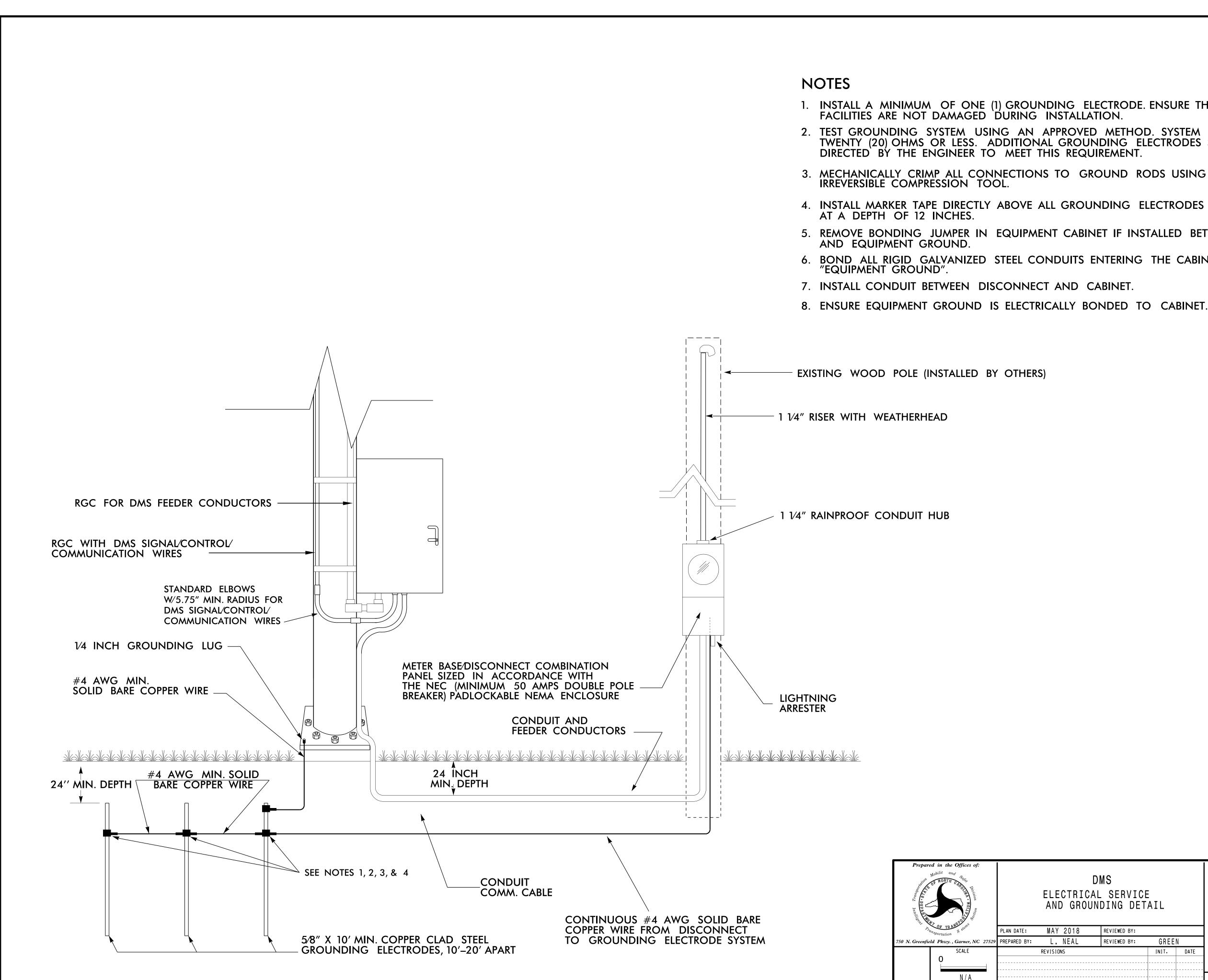




	WBS: 80065	ITS 6					
DDER LEADING TO THE ACCESS PLATFORM.							
ITH A SECURITY COVER (LADDER GUARD). ER RUNG NO MORE THAN 18 INCHES ABOVE G PAD. DESIGN RUNGS ON 12 INCH CENTER–TO–CENTER							
LANDING PAD MEASURING A MINIMUM NCHES WIDE, AND 36 INCHES LONG DIRECT R.	ĽY						
ONS AND WEIGHT OF THE DMS TO COMPL DMS STRUCTURE.	ETE						
OTING ELEVATIONS AND GROUND SLOPES A E LATEST NCDOT STANDARD SPECIFICATIONS JRES.							
P OF THE FOOTING EXTENDS AT LEAST 6 IN N 24 INCHES ABOVE THE HIGHEST POINT C DTING.		٩D					
RUCT THE PEDESTAL STRUCTURE AND DMS E D VELOCITIES OF 130 MPH.	NCLOSURE						
OUND UTILITY LOCATIONS BEFORE BEGINNIN RK. DO NOT DAMAGE ANY EXISTING UTILITI		г					
ISTRUCTION.							
	SEAL						
DMS_INSTALLATION	SEAL 031636						
ISION 01 TYRRELL CO. WEST OF COLUMBIA	SEAL 031636						
DMS_INSIALLATION ISION 01 TYRRELL CO. WEST OF COLUMBIA DATE: JUNE 2018 REVIEWED BY: GREEN RED BY: NEAL REVISIONS INIT. DATE Outling SIGNATU SIGNATU	SEAL 031636						
REVISIONS INIT. DATE Paul P. Marak	7/18	/2018					
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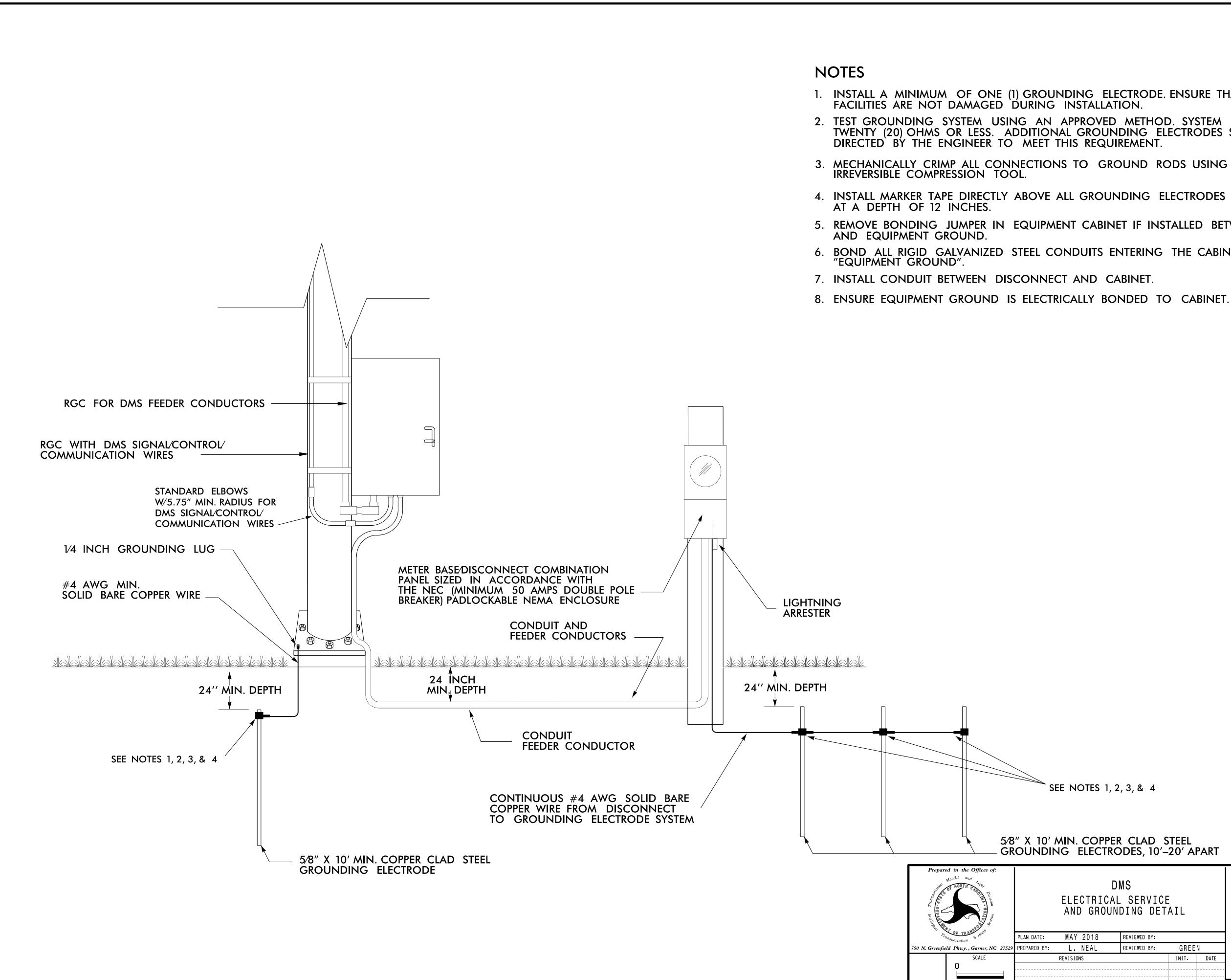
PROJECT REFERENCE NO.

SHEET NO.



	PROJECT REFERENCE NO.	SHEET NO.
	WBS: 80064	ITS-7
ROUNDING ELECTRODE. ENSURE THAT EXISTING RING INSTALLATION.	UNDERGROUN	D
AN APPROVED METHOD. SYSTEM SHOULD ME ITIONAL GROUNDING ELECTRODES SHALL BE INS AEET THIS REQUIREMENT.		
CTIONS TO GROUND RODS USING AN		
OVE ALL GROUNDING ELECTRODES AND CONDU	JCTORS	
UIPMENT CABINET IF INSTALLED BETWEEN AC N	EUTRAL	
EL CONDUITS ENTERING THE CABINET TO		
NNECT AND CABINET.		
ECTRICALLY BONDED TO CARINET		

DMS ELECTRICAL SERVICE AND GROUNDING DETAIL					SEAL NORTH CAROL POFESSION SEAL 031636	ATTIN 11 11 11 11 11 11 11 11 11 11 11 11 11
N DATE:	MAY 2018	REVIEWED BY:			The INE FR.	
PARED BY:	L. NEAL	REVIEWED BY:	GREE	N	DocuSigned by:	it.
	REVISIONS		INIT.	DATE	Paul P. Marak	7 /10 /2010
					C49EA370BC5A4C1	7/18/2018
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- TWENTY (20) OHMS OR LESS. ADDI DIRECTED BY THE ENGINEER TO M

- 5. REMOVE BONDING JUMPER IN EQU

	PROJECT REFERENCE NO.	SHEET NO.
	WBS: 80065	ITS-8
ROUNDING ELECTRODE. ENSURE THAT EXISTING RING INSTALLATION.	UNDERGROUN	D
AN APPROVED METHOD. SYSTEM SHOULD ME ITIONAL GROUNDING ELECTRODES SHALL BE INS AEET THIS REQUIREMENT.		
CTIONS TO GROUND RODS USING AN		
OVE ALL GROUNDING ELECTRODES AND CONDU	JCTORS	
UIPMENT CABINET IF INSTALLED BETWEEN AC N	EUTRAL	
EL CONDUITS ENTERING THE CABINET TO		
NNECT AND CABINET.		

5⁄8″ X	10' MIN	. COPPER	CLAD	STEEL	
	NDING	ELECTRO	DES, 10	'–20' AP	ART

SEE NOTES 1, 2, 3, & 4

N / A

DMS ELECTRICAL SERVICE AND GROUNDING DETAIL				SEAL POPTH CAROL OFESSION SEAL 031636				
DATE: MAY	2018	REVIEWED BY:				NGINEER		
ARED BY: L.	NEAL	REVIEWED BY:	GREE	N	DocuSigned by:	VI D MARA		
REVISION	S		INIT.	DATE	Paul P. Marak		7/18/2018	
					C49EA370RC5A4C1 SIGNATURE		DATE	