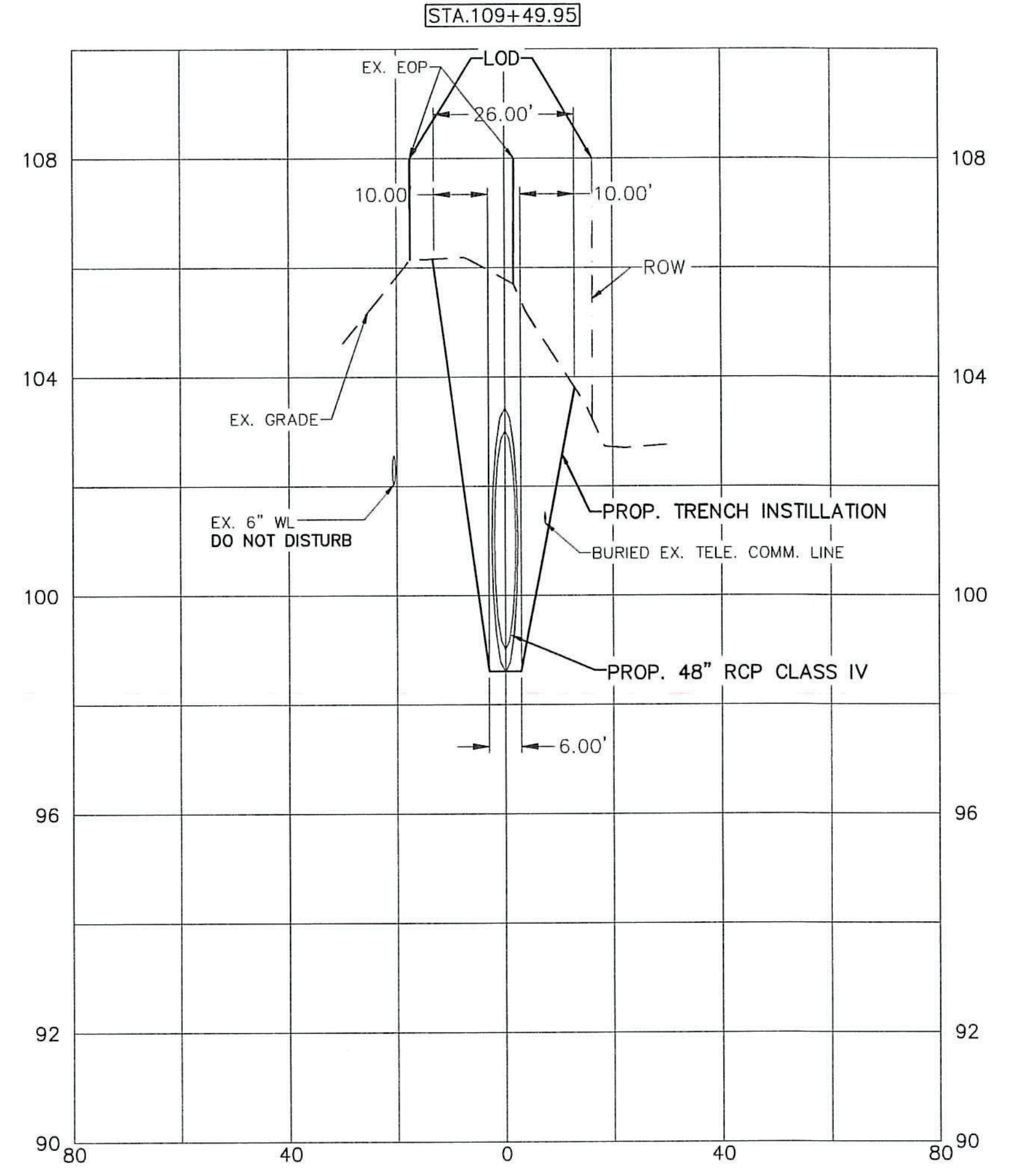
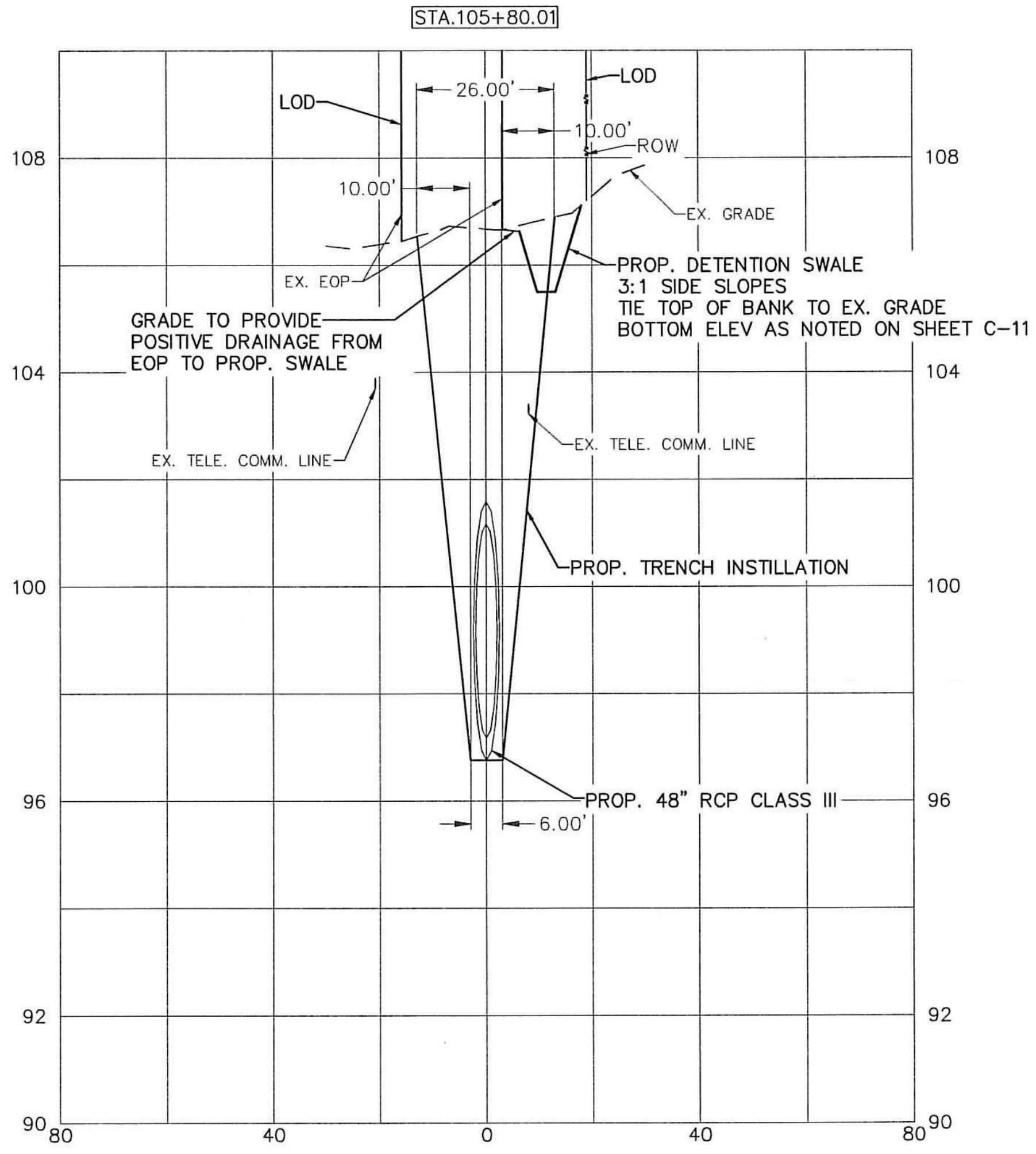
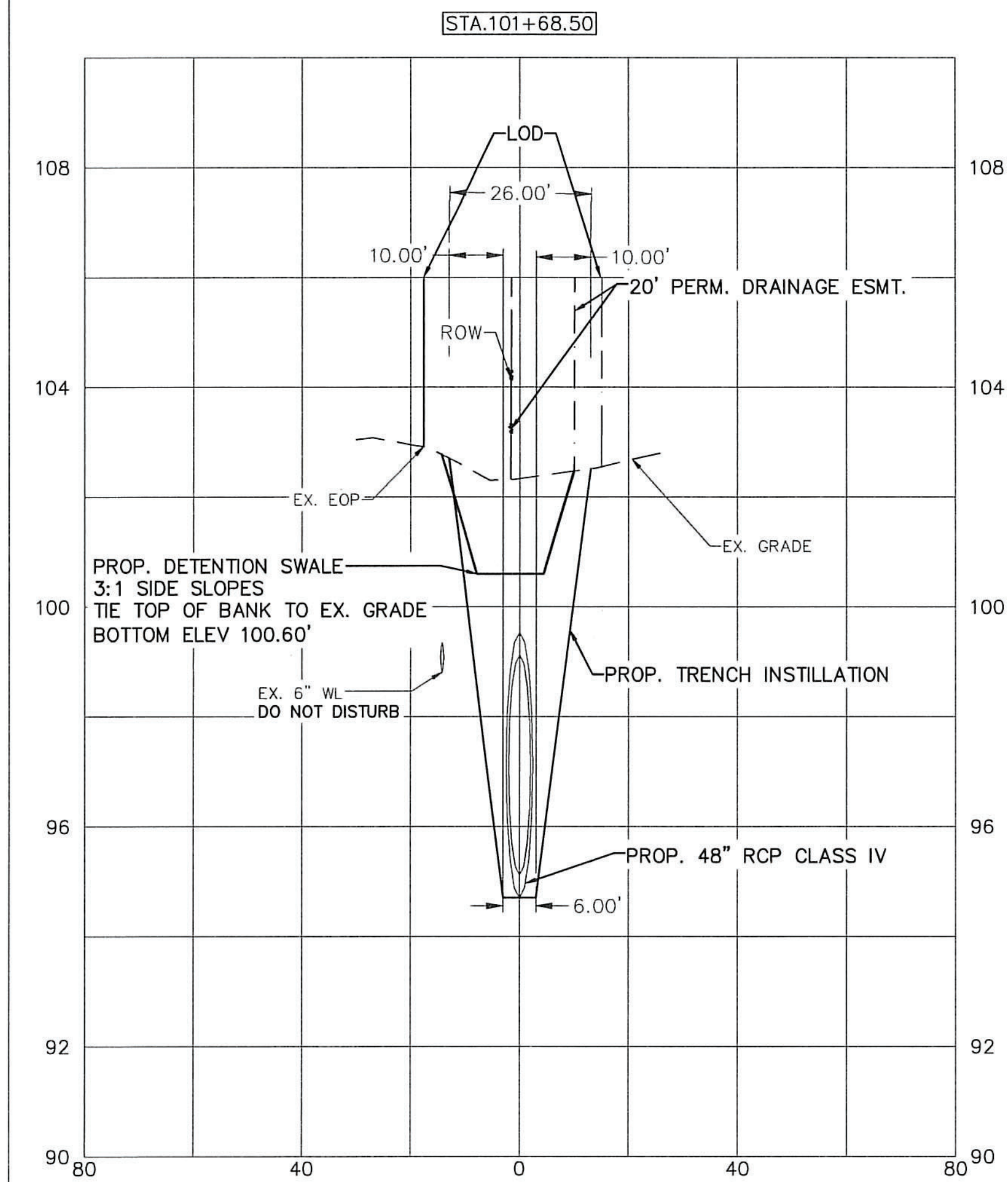


NOTE:
1. ALL PROPOSED PIPES ON THIS SHEET TO BE INSTALLED VIA OPEN CUT TRENCHES OR TRENCH BOXES DEPENDING ON DEPTH, SEE SHEET G-02
2. STORM DRAIN PIPE SHALL BE REINFORCED CONCRETE PIPE (RCP), UNLESS OTHERWISE NOTED. RCP WITH MORE THAN TWO (2) FOOT VERTICAL COVER SHALL BE CLASS III. RCP WITH LESS THAN TWO (2) FOOT VERTICAL COVER SHALL BE CLASS IV. RCP WITH LESS THAN ONE (1) FOOT VERTICAL COVER SHALL BE CLASS V RCP.
3. EXISTING UTILITY ELEVATIONS ARE APPROX. CONTRACTOR TO FIELD VERIFY SIZE, MATERIAL, AND LOCATION BEFORE CONSTRUCTION. UTILITY SEPARATIONS TO FOLLOW 15A NCAC 02T, - 18C .0906, - AND 18C .0904 REGULATIONS. IF THE PROPOSED STORMWATER LINE AND UTILITY SEPARATIONS DO NOT MEET THE AFORE MENTIONED REGULATIONS CONTRACTOR IS RESPONSIBLE TO RELOCATE NON-STORMWATER UTILITIES IN SUCH A MANNER AS TO MEET THEM. SEE SHEET G-02

SECTION
SCALE: HORIZ. 1"= 20'
VERT. 1"= 2'



BID SET

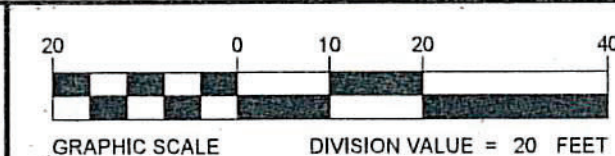


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NO.	DATE	BY	DESCRIPTION

DWI# SRP-SW-ARP-0007
AUTRYVILLE STORMWATER IMPROVEMENTS
TOWN OF AUTRYVILLE
SAMPSON COUNTY, NORTH CAROLINA

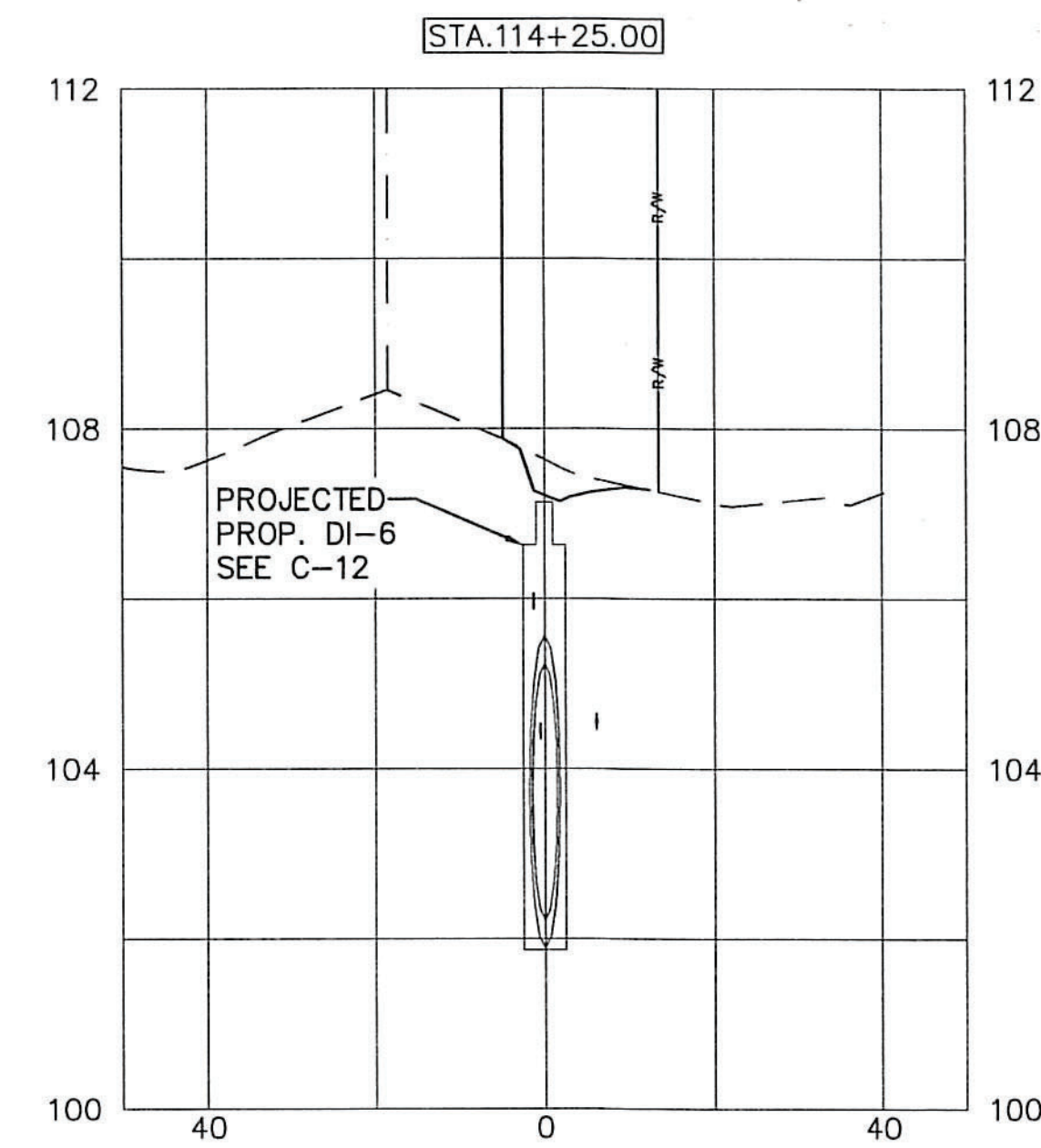
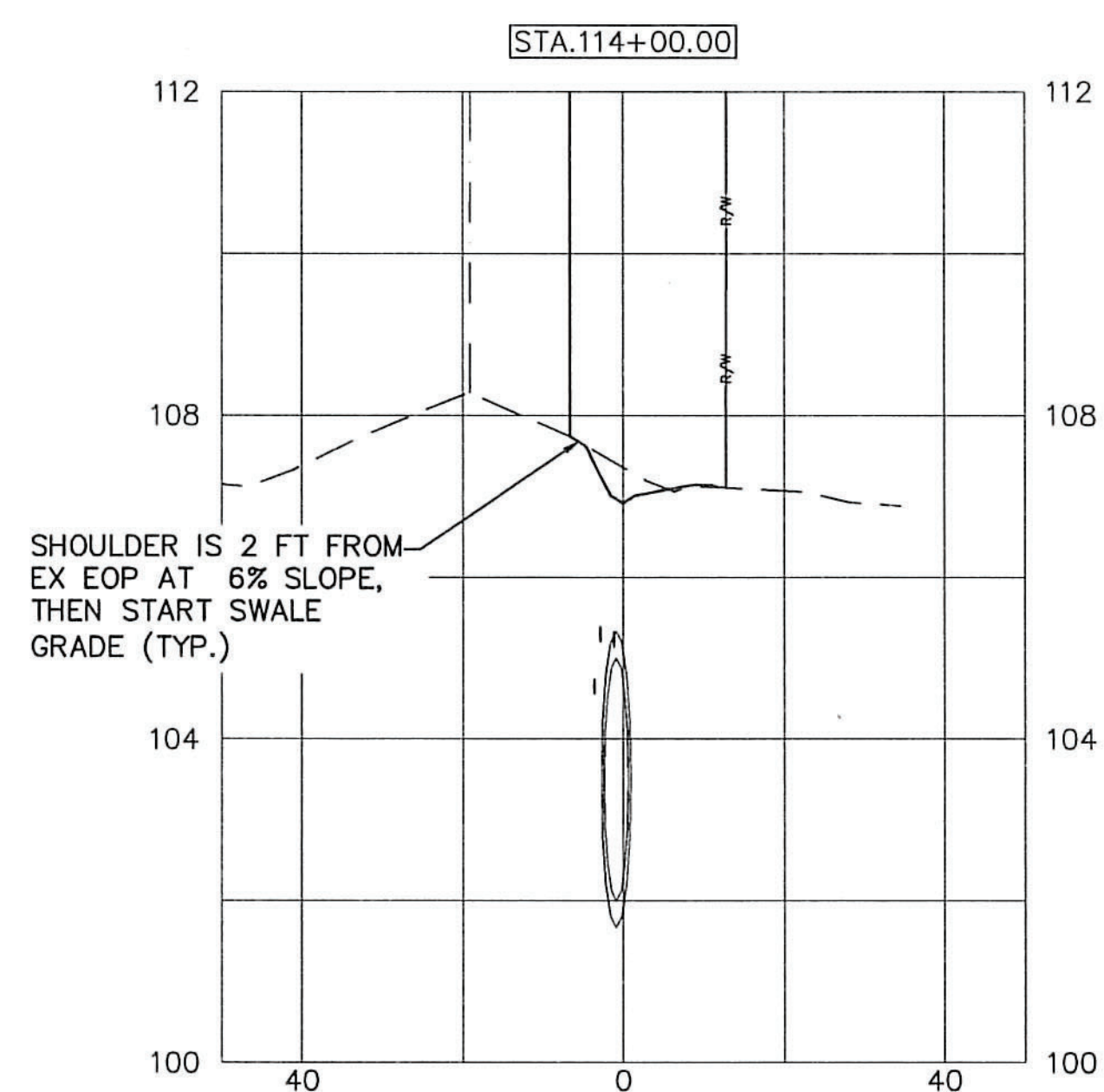


OFFICE MANAGER M. HANSON	DESIGNER K. BEESLEY
PROJECT MANAGER M. HANSON	REVIEWER M. HANSON

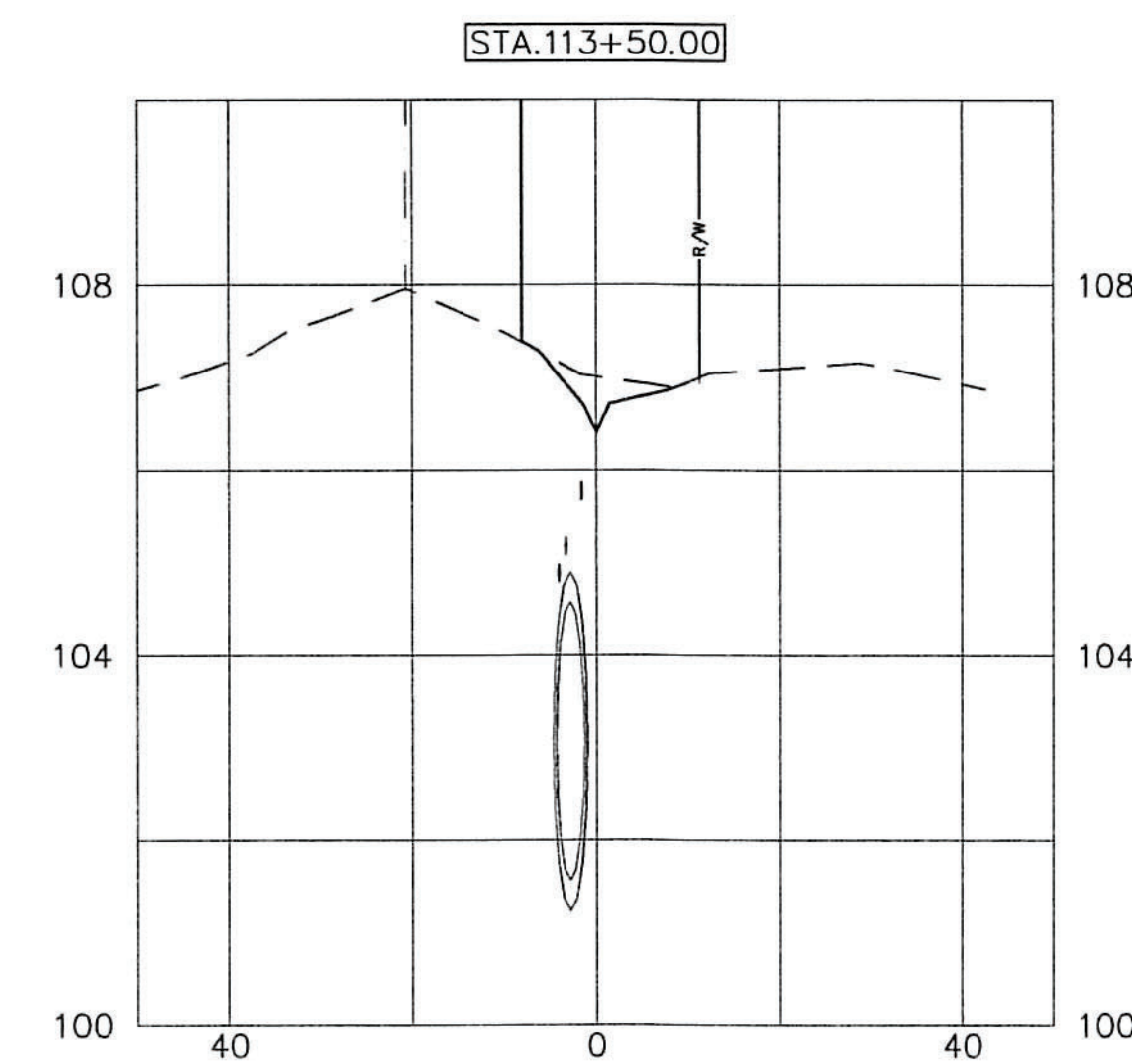
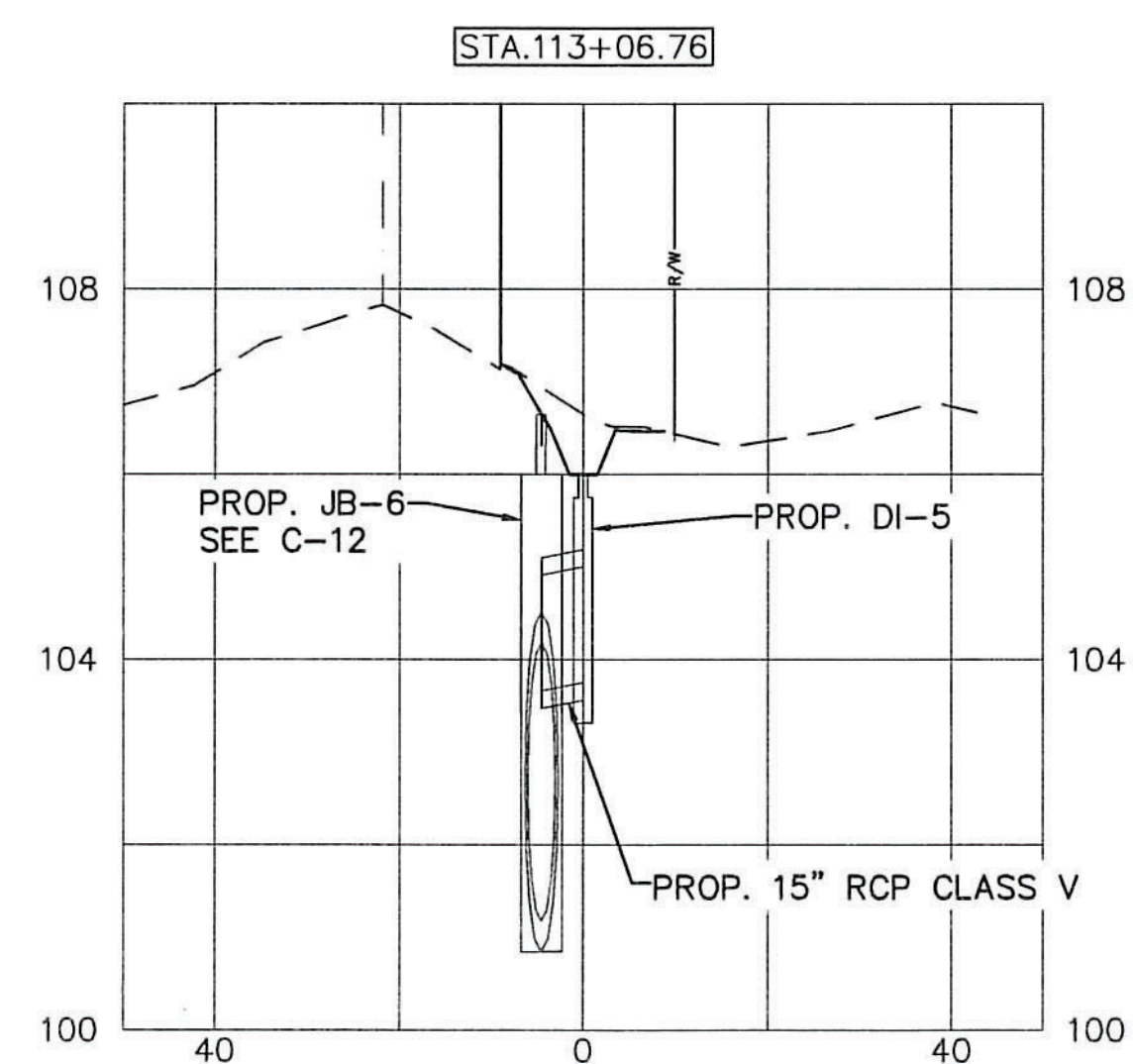
CROSS SECTIONS 101+00 TO 110+00

DATE JANUARY 2025	PROJECT # 20.03019	FUNDING # N/A
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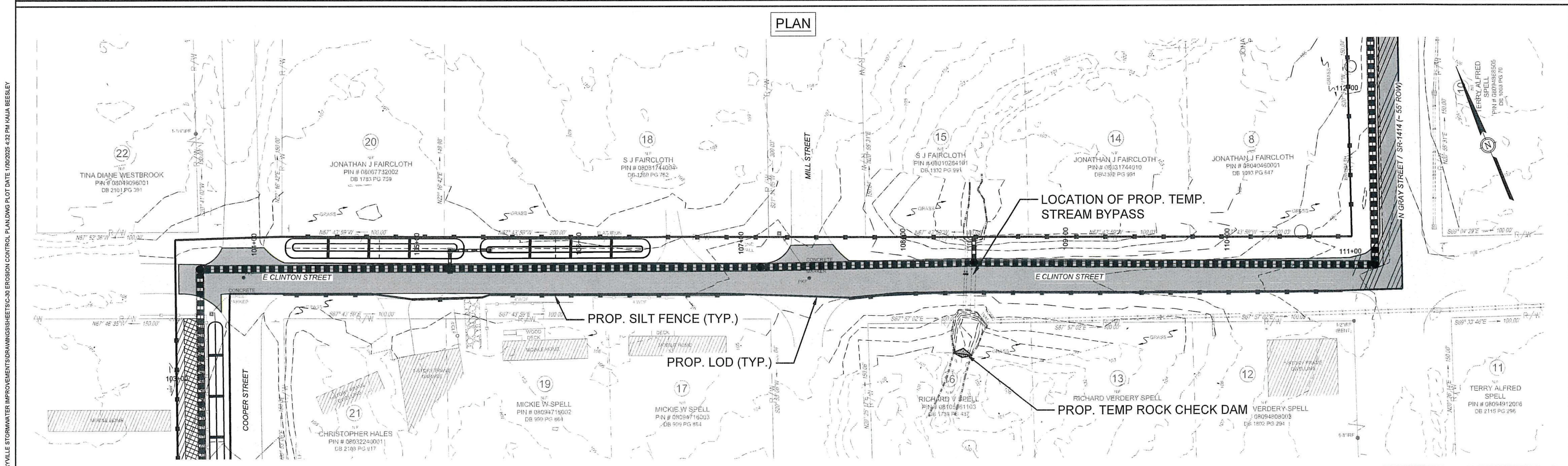
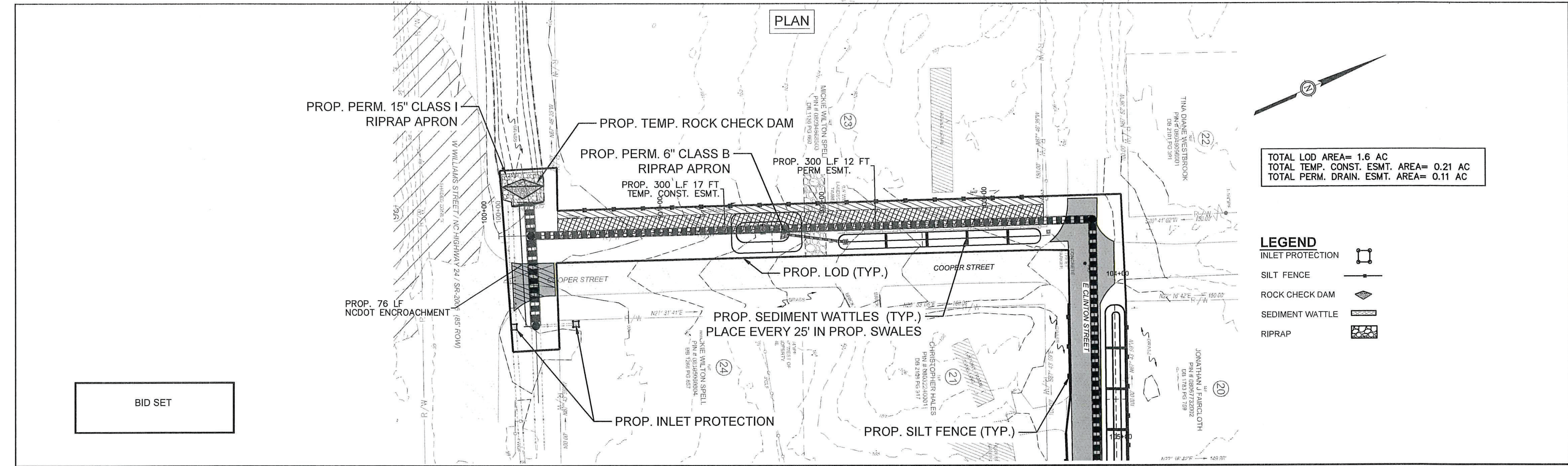
SHEET
C-20



BID SET

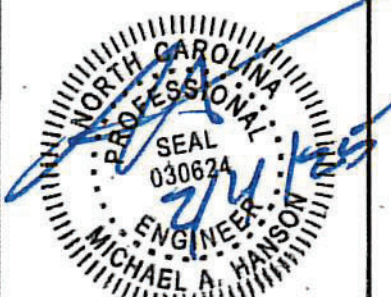


SHEET
C-21





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SEAL
030621
MICHAEL A. HANSON
ENGINEER



811
BEFORE YOU DIG
SAFE DIGGING PARTNER

NO.	DATE	BY	DESCRIPTION

DWI# SRP-SW-ARP-0007
AUTRYVILLE STORMWATER IMPROVEMENTS
TOWN OF AUTRYVILLE
SAMPSON COUNTY, NORTH CAROLINA

GRAPHIC SCALE
0 25 50 100
DIVISION VALUE = 50 FEET

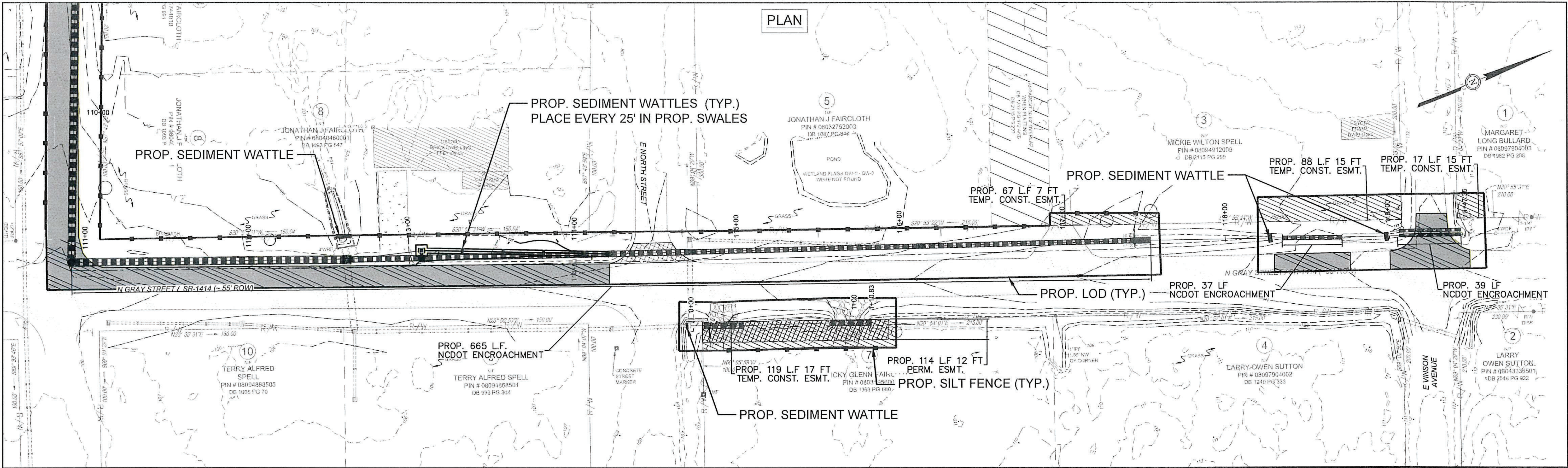
OFFICE MANAGER	DESIGNER
M. HANSON	K. BEESLEY

PROJECT MANAGER	REVIEWER
M. HANSON	M. HANSON

EROSION CONTROL PLAN 1 OF 2

DATE	PROJECT #	FUNDING #
JANUARY 2025	20.03019	N/A

SHEET
C-30



BID SET

LEGEND

- INLET PROTECTION
- SILT FENCE
- ROCK CHECK DAM
- SEDIMENT WATTLE
- RIPRAP

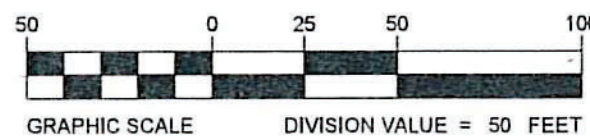
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NO.	DATE	BY	DESCRIPTION

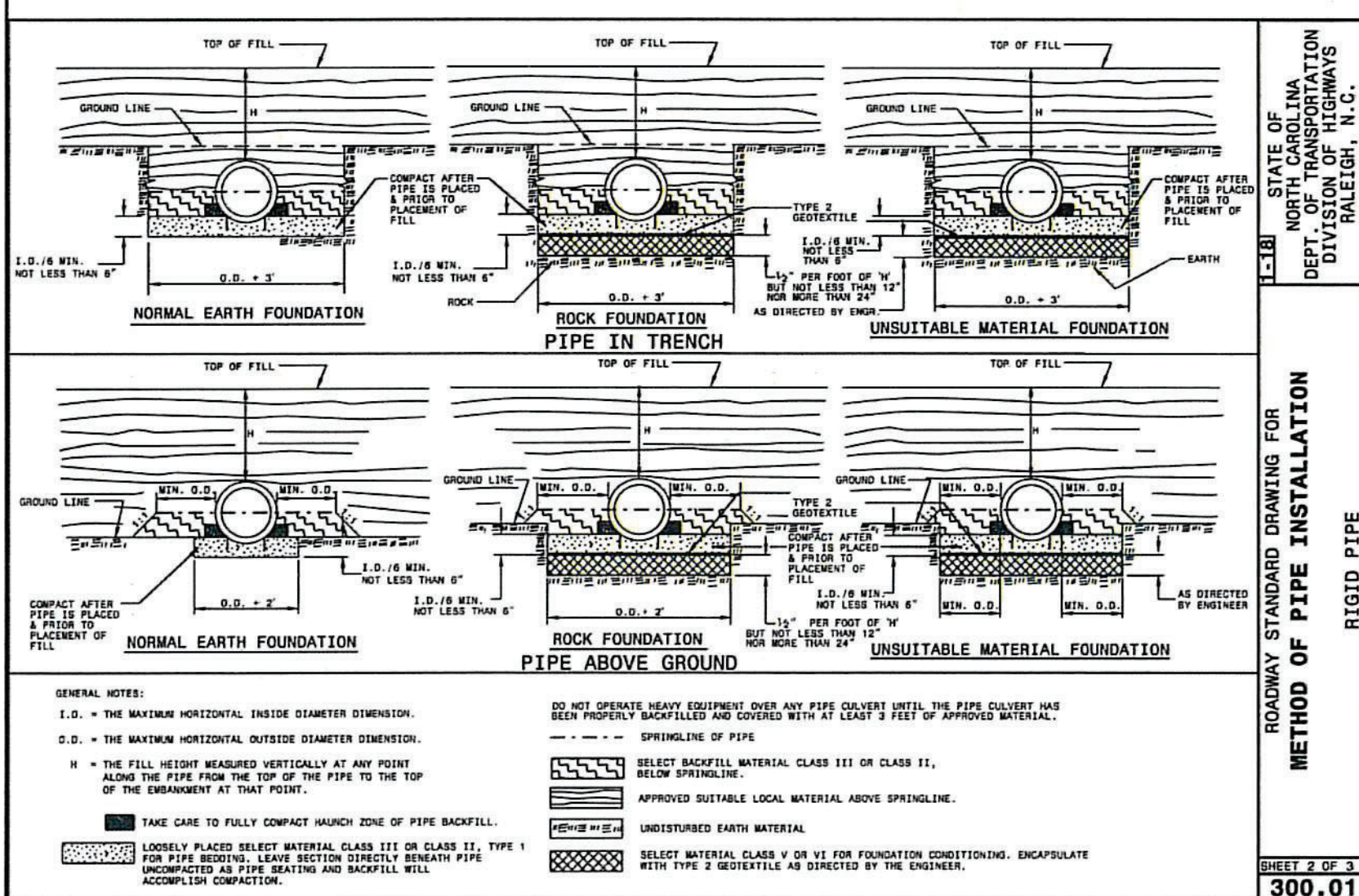
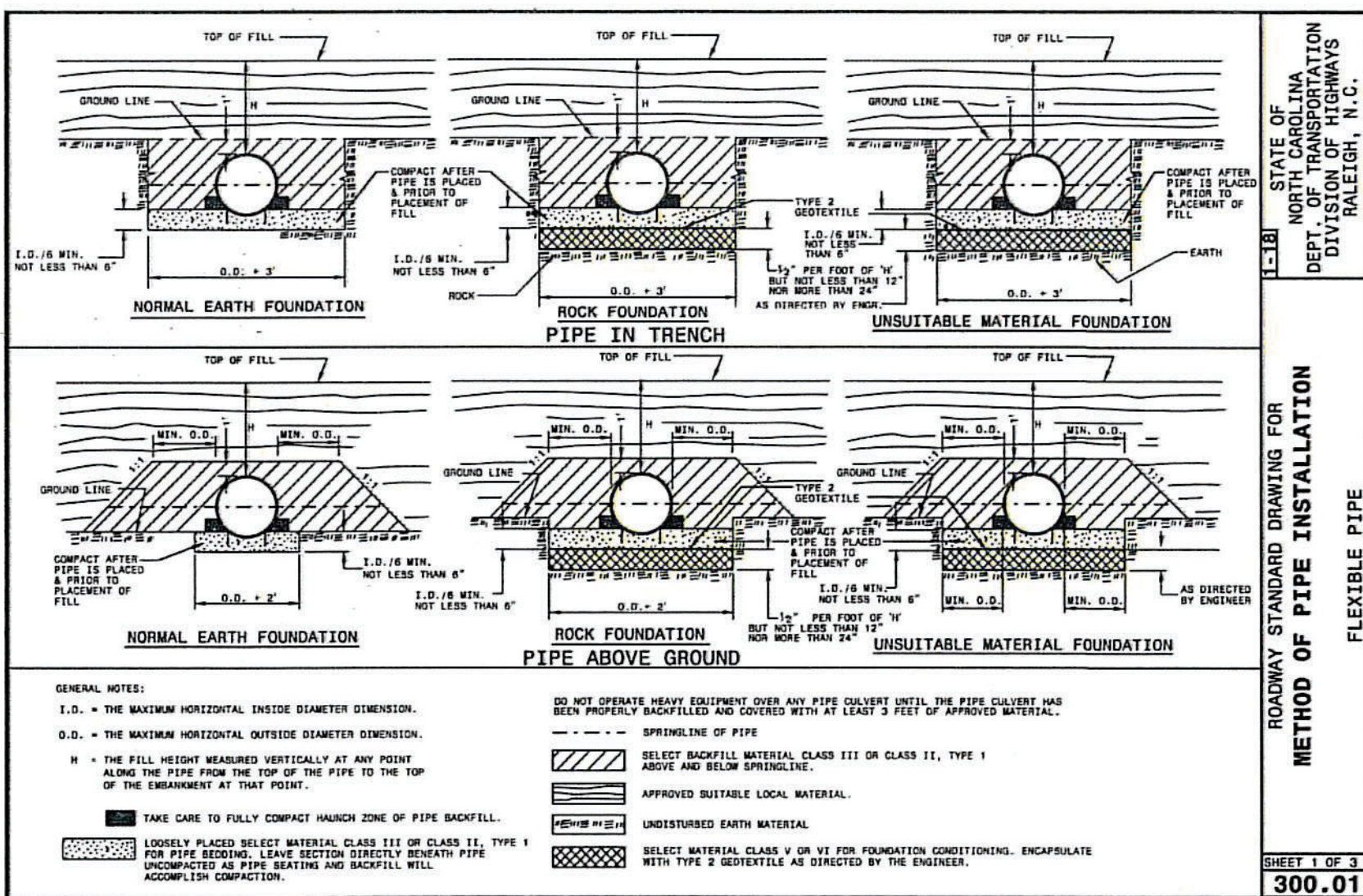
DWI# SRP-SW-ARP-0007
AUTRYVILLE STORMWATER IMPROVEMENTS
TOWN OF AUTRYVILLE
SAMPSON COUNTY, NORTH CAROLINA



OFFICE MANAGER	DESIGNER
M. HANSON	K. BEESLEY
PROJECT MANAGER	REVIEWER
M. HANSON	M. HANSON

EROSION CONTROL PLAN 2 OF 2		
DATE	PROJECT #	FUNDING #
JANUARY 2025	20.03019	N/A

SHEET
C-31



Round Corrugated Steel Pipe 2 2/3 x 1/4 corrugation **									
Diameter (inches)	Minimum cover (inches)	Maximum Height of Cover (feet)							
12	12	(6a) 16	14	12	10	8			
12	12	204	256						
15	12	162	204						
18	12	135	169	239					
21	12	110	145	204					
24	12	100	126	178					
30	30	78	100	142					
36	36	65	83	117	152				
42	42	55	70	100	120	160			
48	42	48	61	87	113	139			
54	42	54	77	100	123				
60	60		69	90	111				
66	12			81	100				
72	12			74	91				
78	12				81				
84	12				69				

Round Corrugated Aluminum Pipe 2 2/3 x 1/4 corrugation **									
Diameter (inches)	Minimum cover (inches)	Maximum Height of Cover (feet)							
12	12	(6a) 16	14	12	10	8			
12	12	123	155	218	281	344			
15	12	98	123	174	224	275			
18	12	81	102	144	187	228			
21	12	69	87	123	160	195			
24	12	60	76	108	139	171			
27	12	67	85	123	161				
30	12	60	85	111	136				
36	36	50	71	92	113				
42	42	60	78	98					
48	42	52	68	84					
54	42	46	50	74					
60	60			50	62				
66	12				51				
72	12				41				

** FOR DIFFERENT CORRUGATIONS AND ARCH PIPES REFER TO
ROADWAY DESIGN MANUAL OR MANUFACTURERS SPECIFICATION.

REFER TO THE FOLLOWING FOR PIPE SPECIFICATIONS

CSP - AASHTO M28
CAAP - AASHTO B195
HSP - AASHTO M294
PVC - ASTM F943 or AASHTO M204

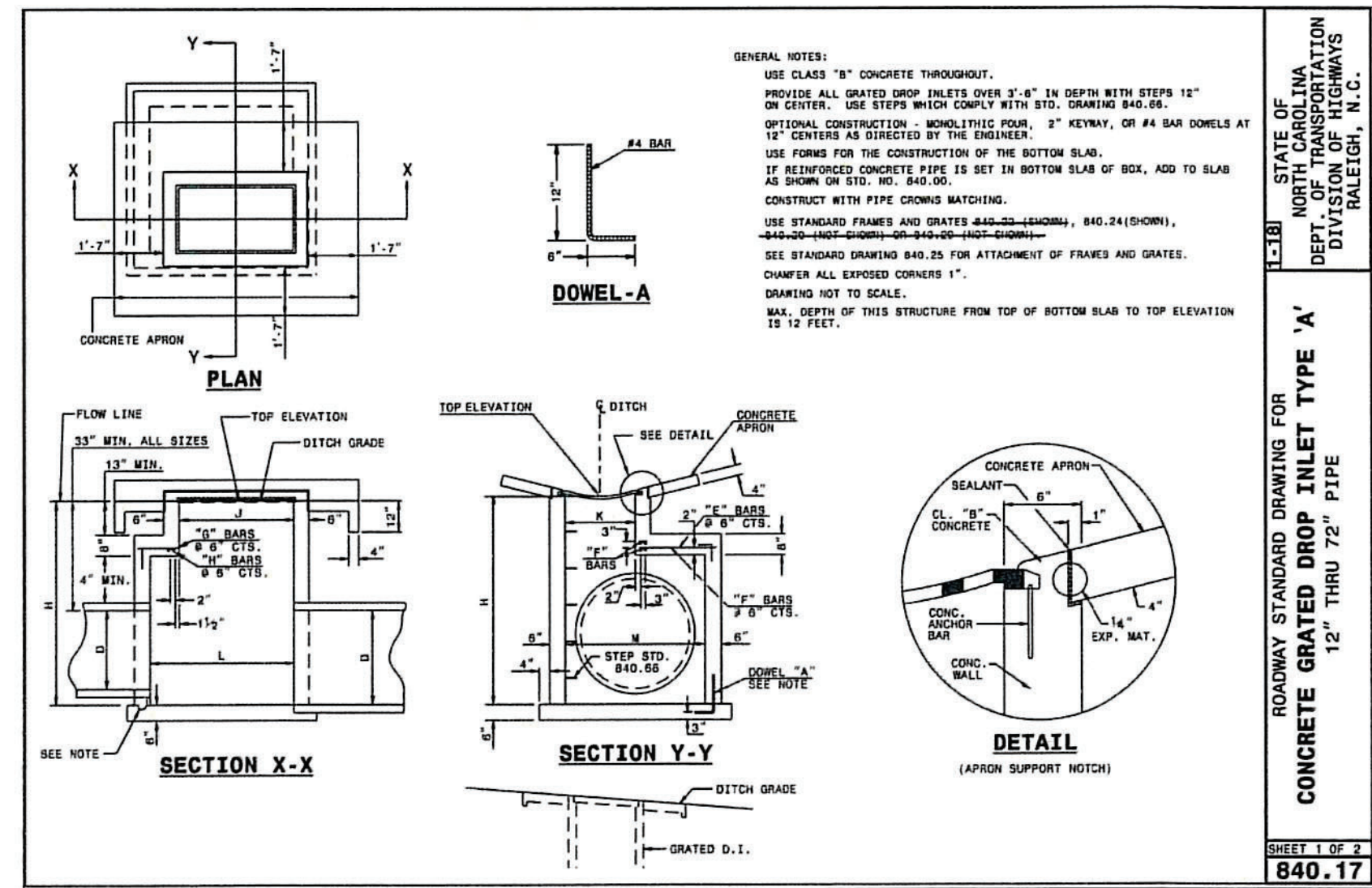
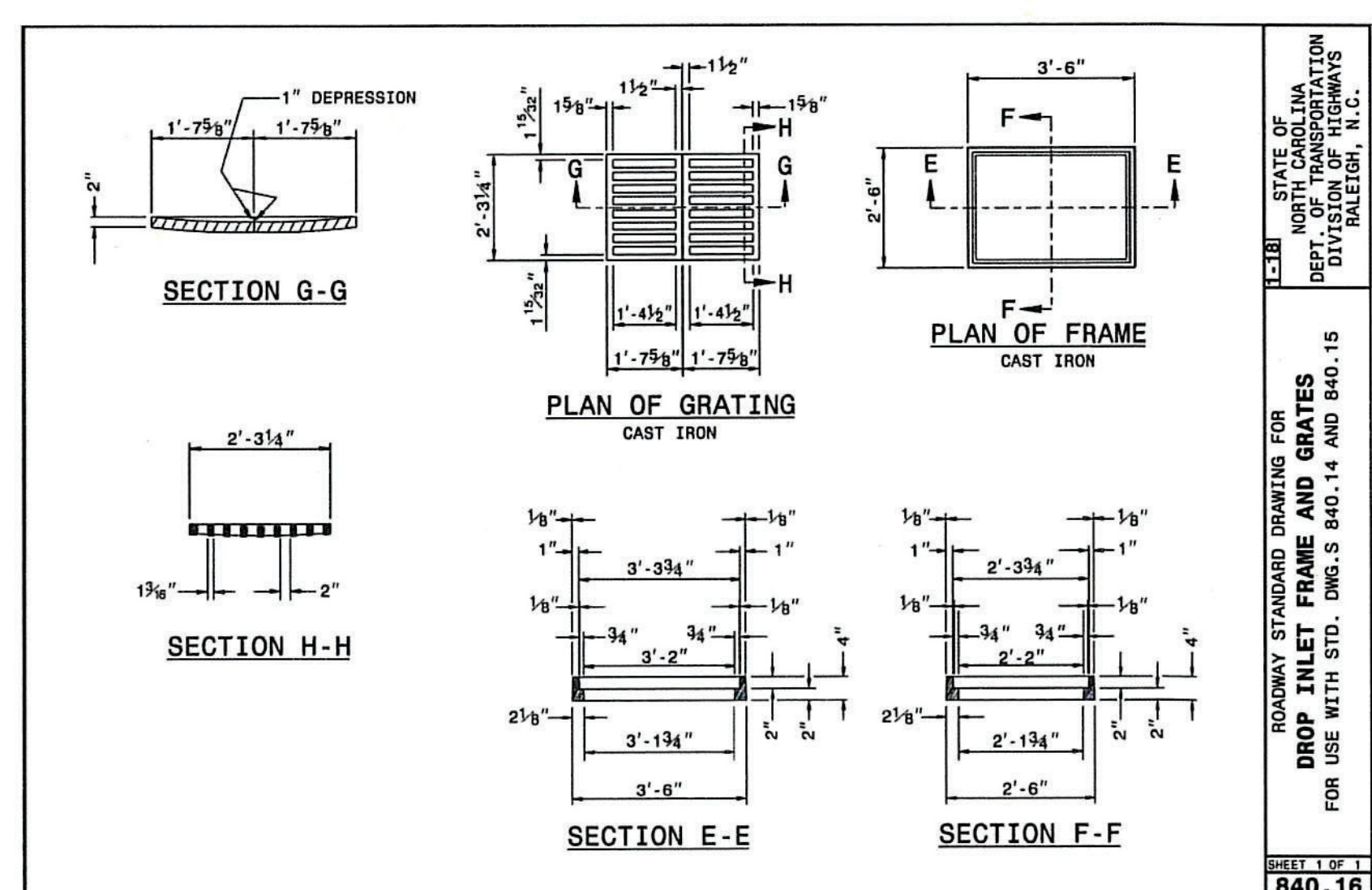
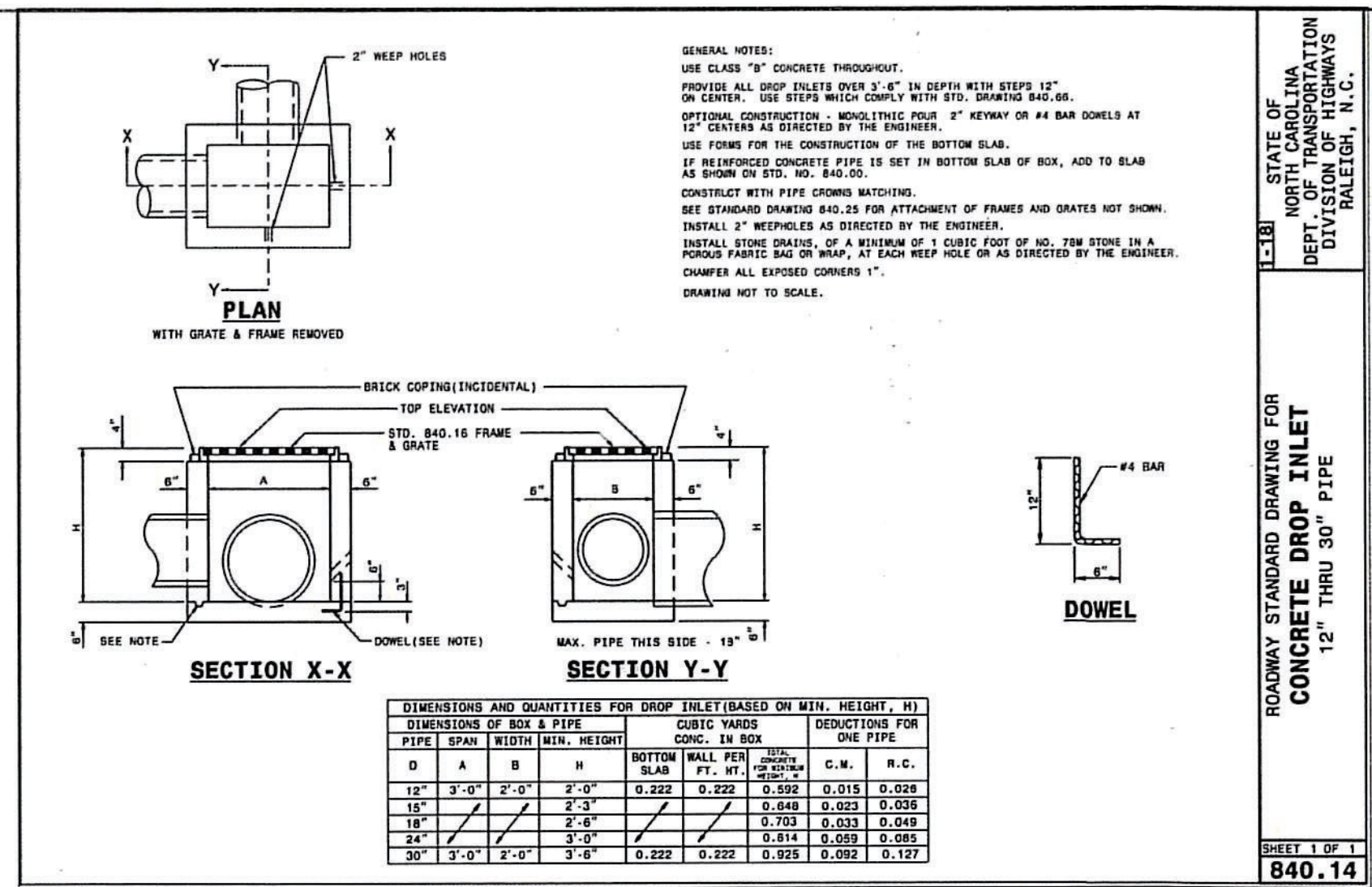
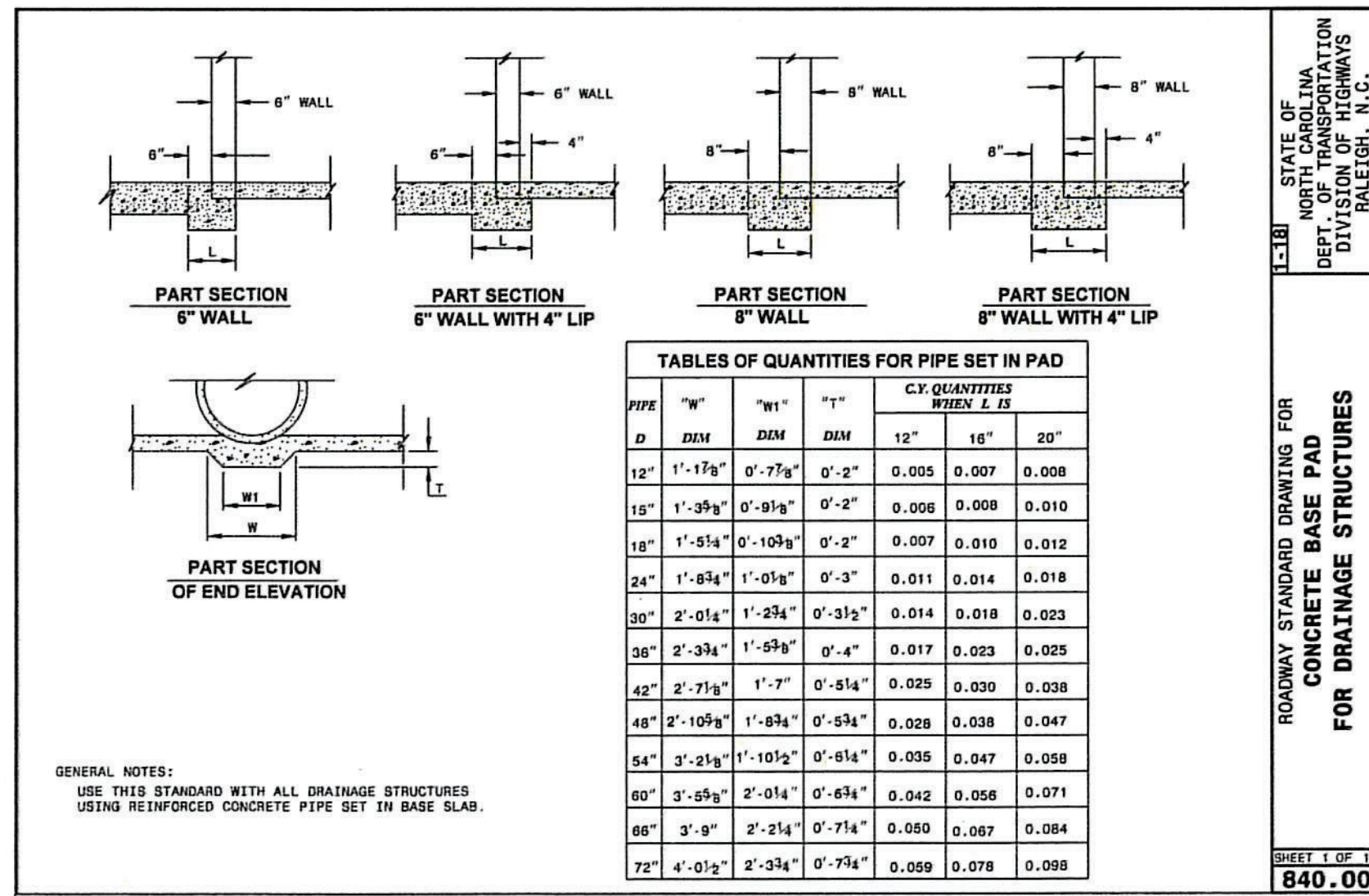
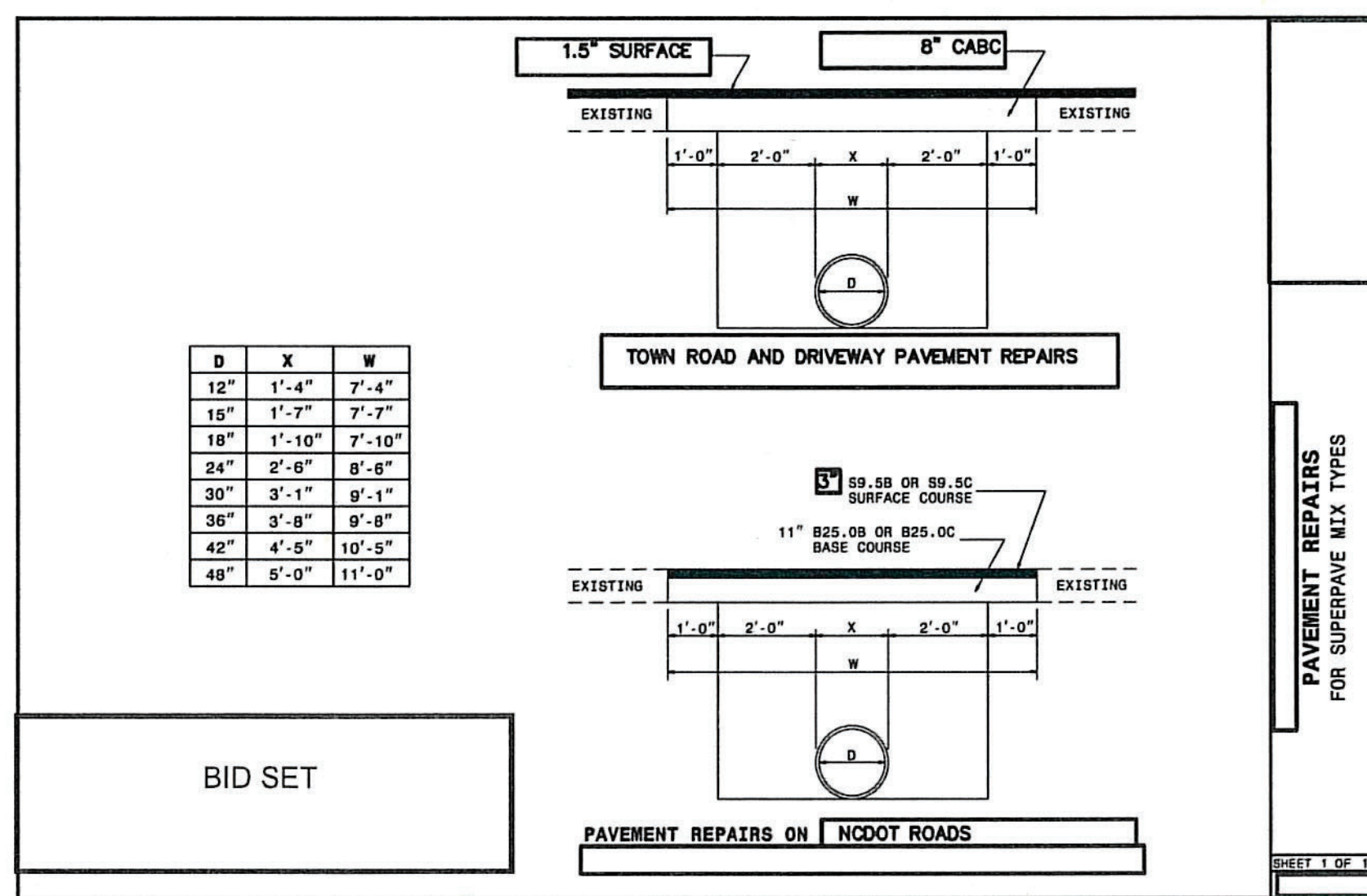
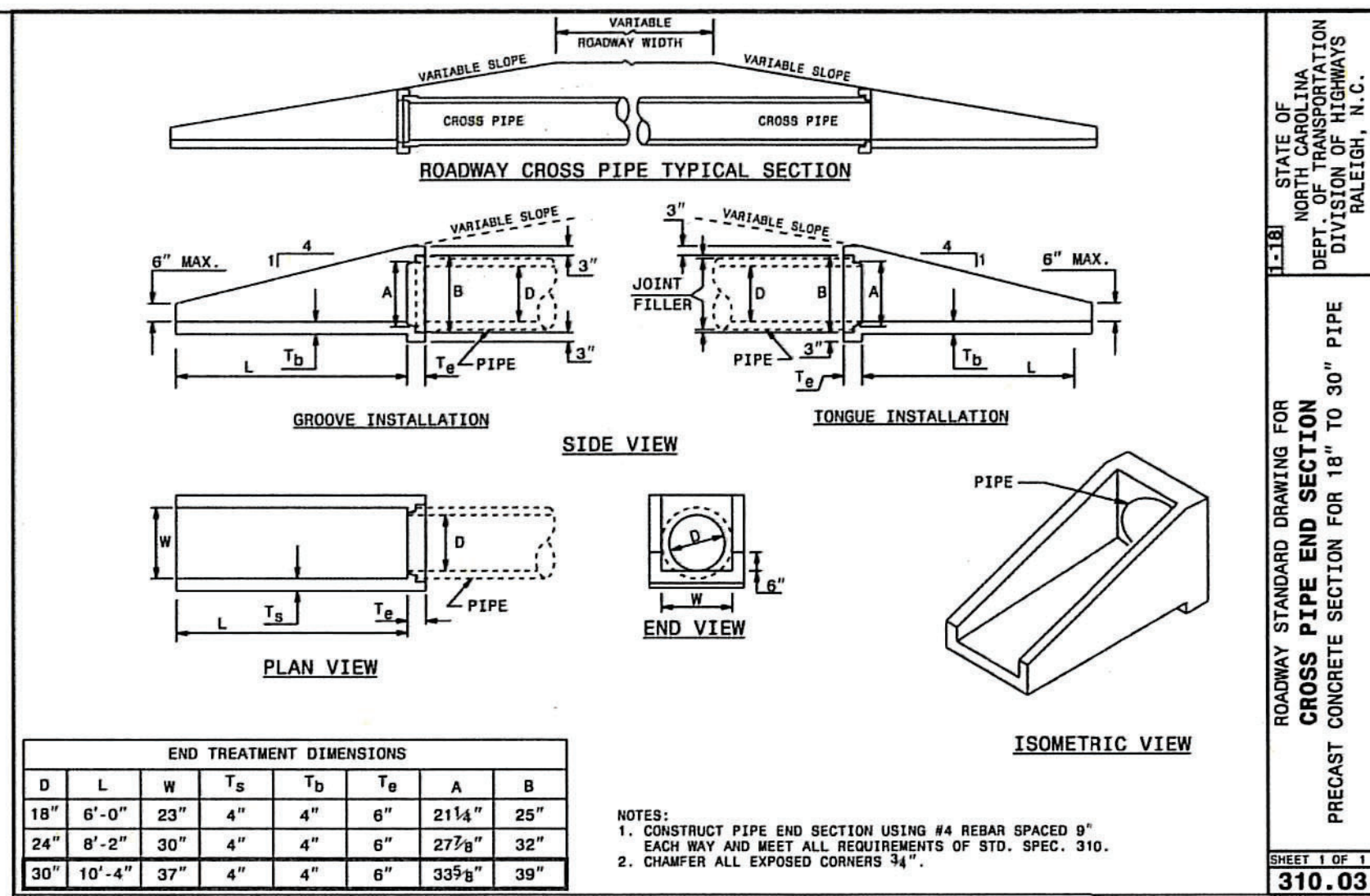
NOTES: PIPE HEIGHTS SHOWN WERE CALCULATED USING
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

1' MINIMUM COVER FOR ALL SIDE DRAIN PIPE
IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS

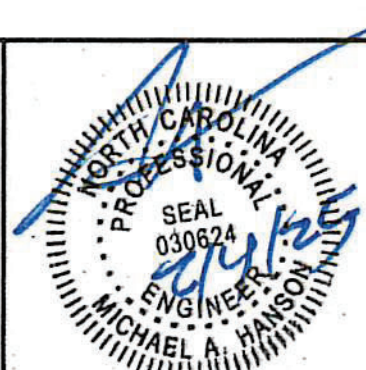
1-18B STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ROADWAY STANDARD DRAWING FOR
METHOD OF PIPE INSTALLATION
PIPE HEIGHT TABLES

SHEET 2 OF 3
300.01



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AUTRYVILLE STORMWATER IMPROVEMENTS
TOWN OF AUTRYVILLE
SAMPSON COUNTY, NORTH CAROLINA

NOT TO SCALE

OFFICE MANAGER	M. HANSON
PROJECT MANAGER	M. HANSON

DESIGNER	K. BEESLEY
REVIEWER	M. HANSON

MISCELLANEOUS DETAILS 1 OF 4

DATE	PROJECT #	FUNDING #
JANUARY 2025	20.03019	N/A

SHEET

C-50