

T.I.P. NO.	SHEET NO.
B-4417	UC-1

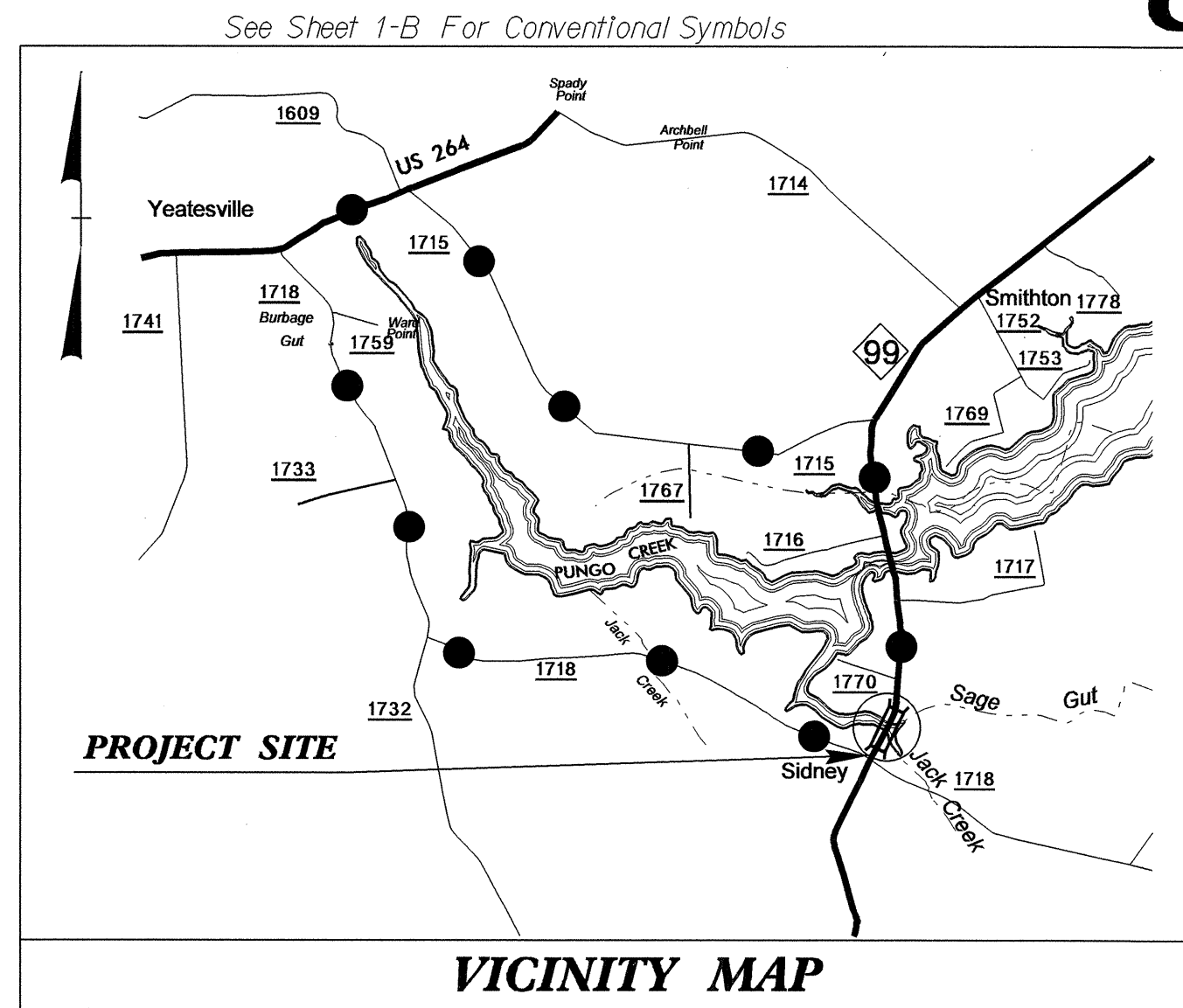
STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

**UTILITY CONSTRUCTION PLANS  
BEAUFORT COUNTY**

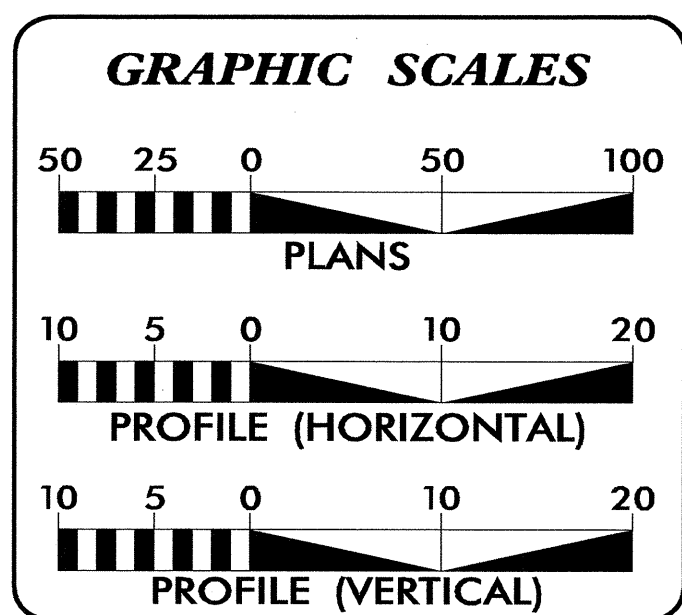
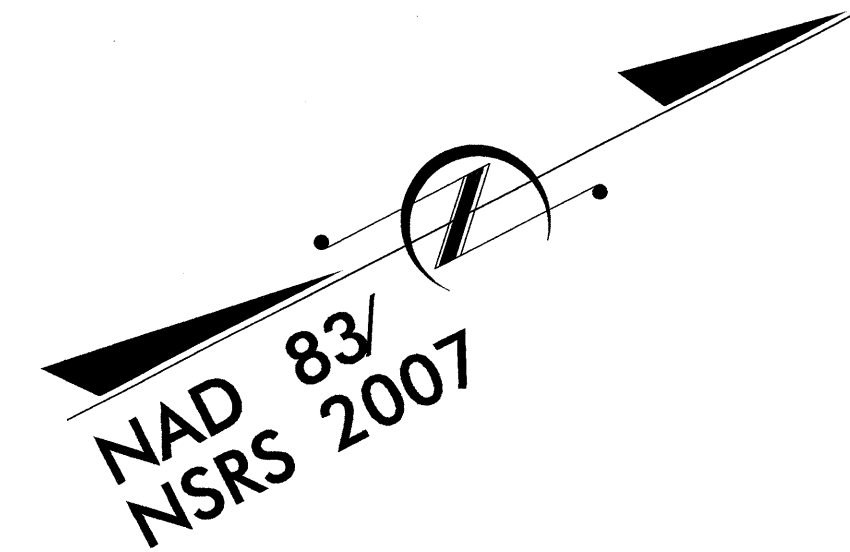
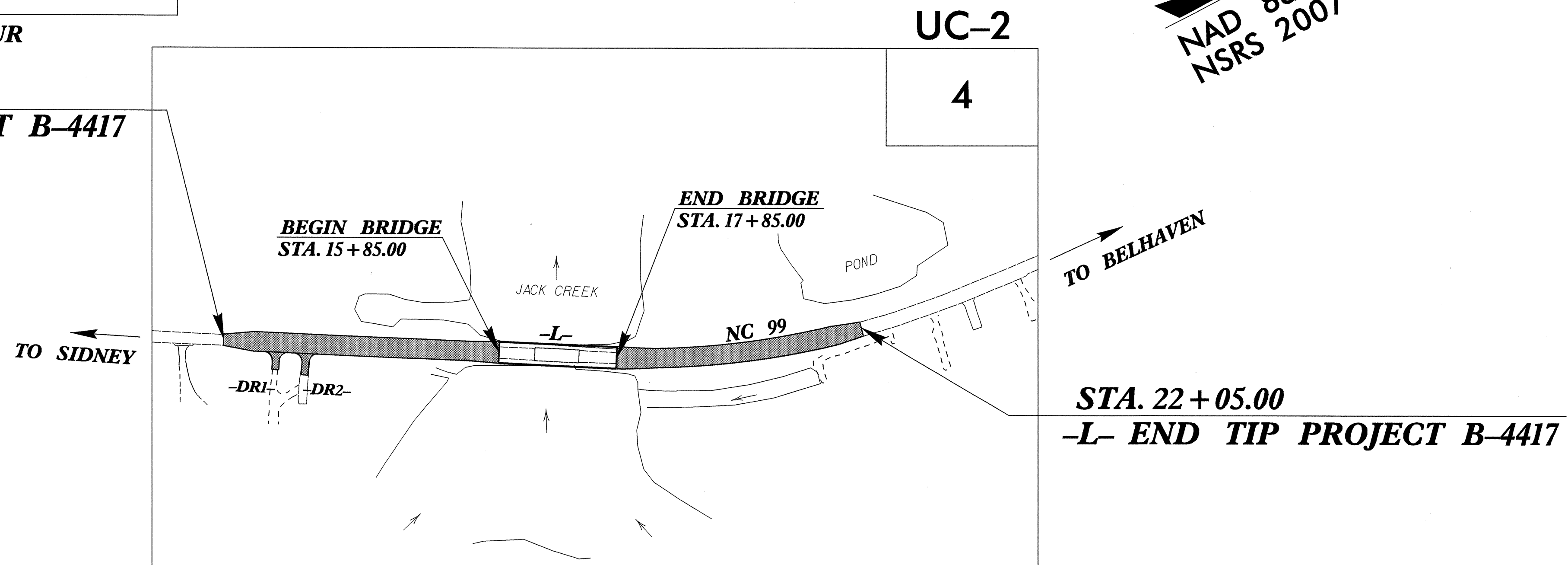
**LOCATION: BRIDGE OVER JACK CREEK ON NC 99**

**TYPE OF WORK: RELOCATION OF WATER LINE**

**TIP PROJECT: B-4417**



**STA. 11+17.00**  
**-L- BEGIN TIP PROJECT B-4417**

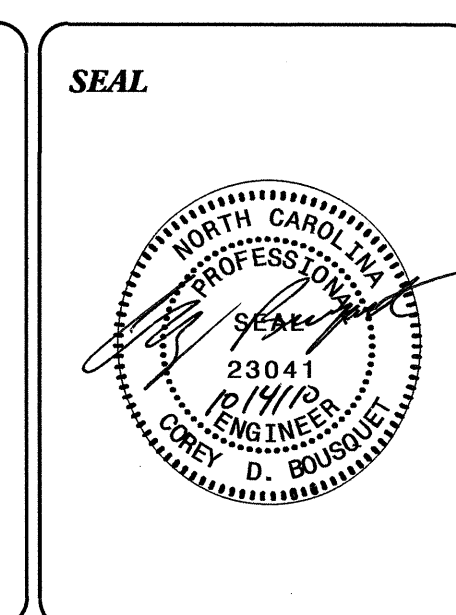


**INDEX OF SHEETS**

SHEET NO.	DESCRIPTION
UC-1	TITLE SHEET
UC-2	UTILITY CONSTRUCTION PLAN SHEETS
UC-3 THRU UC-6	PROFILE SHEET(S)

**WATER AND SEWER OWNERS ON PROJECT**

(1) BEAUFORT COUNTY WATER



PREPARED IN THE OFFICE OF:  
**DIVISION OF HIGHWAYS  
UTILITIES ENGINEERING  
SECTION**

1591 MAIL SERVICES CENTER  
RALEIGH NC 27699-1591  
PHONE (919) 250-4128  
FAX (919) 250-4119

**Roger Worthington, P.E.** UTILITIES SECTION ENGINEER  
**Corey Bousquet, P.E.** UTILITIES SQUAD LEADER PROJECT ENGINEER  
**Kelvin Martin** UTILITIES PROJECT DESIGNER

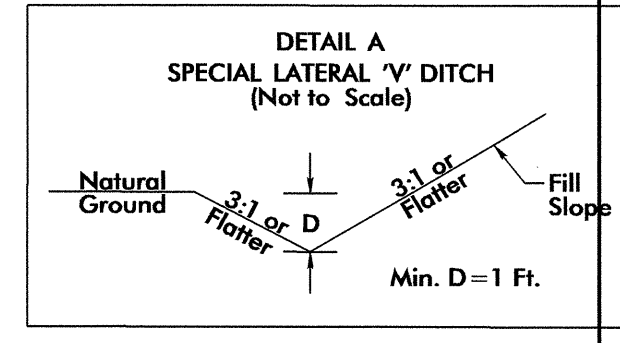
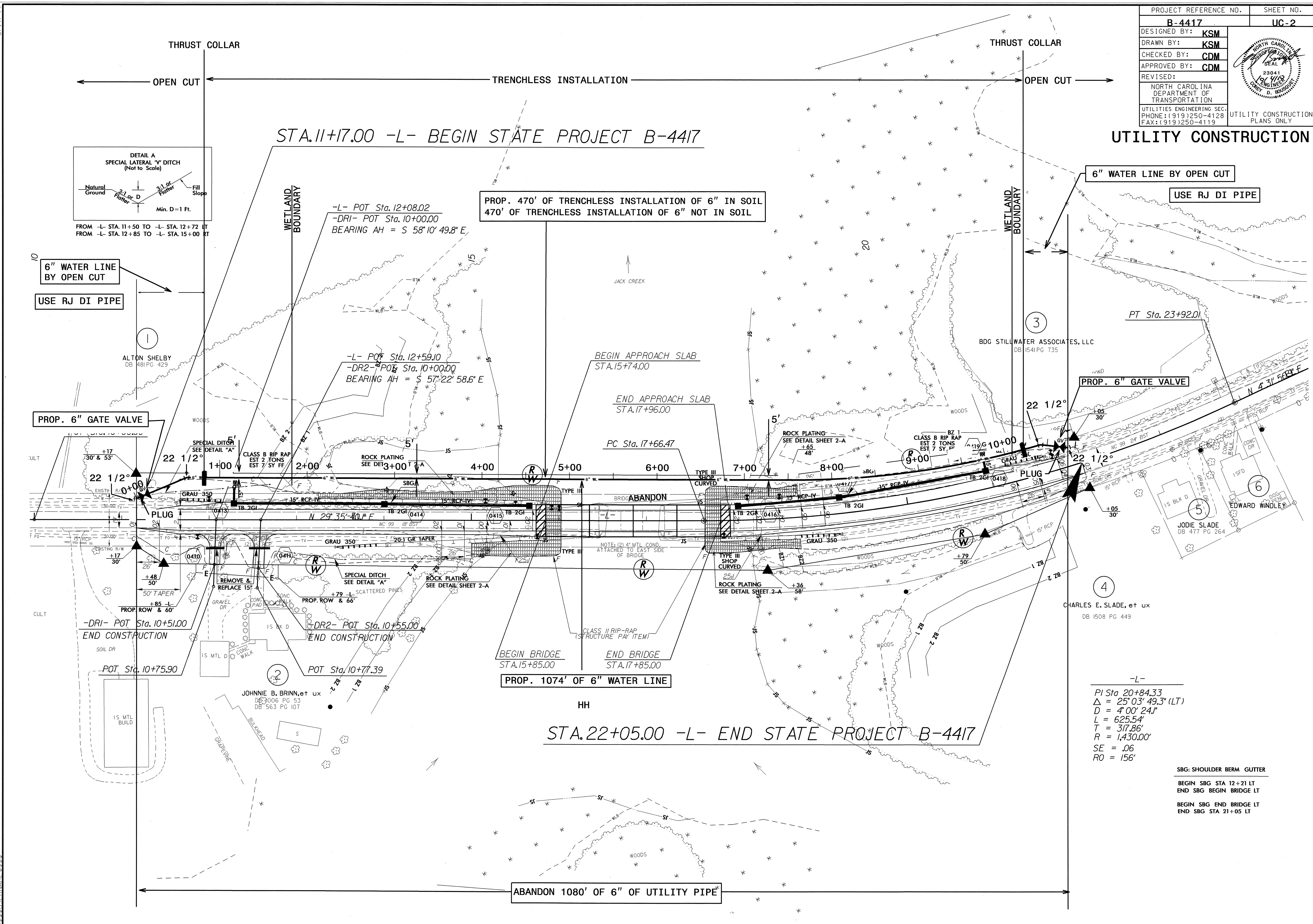
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PROJECT REFERENCE NO.	SHEET NO.
B-4417	UC-2
DESIGNED BY: KSM	
DRAWN BY: KSM	
CHECKED BY: GDM	
APPROVED BY: GDM	
REVISD:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC. PHONE: (919) 250-4128 FAX: (919) 250-4119	
UTILITY CONSTRUCTION PLANS ONLY	

**UTILITY CONSTRUCTION**

STA. 11+17.00 -L- BEGIN STATE PROJECT B-4417

STA. 22+05.00 -L- END STATE PROJECT B-4417



FROM -L- STA. 11+50 TO -L- STA. 12+72 LT  
FROM -L- STA. 12+85 TO -L- STA. 15+00 RT

PROP. 470' OF TRENCHLESS INSTALLATION OF 6" IN SOIL  
470' OF TRENCHLESS INSTALLATION OF 6" NOT IN SOIL

6" WATER LINE BY OPEN CUT

USE RJ DI PIPE

6" WATER LINE BY OPEN CUT

USE RJ DI PIPE

PROP. 6" GATE VALVE

PROP. 6" GATE VALVE

PROP. 1074' OF 6" WATER LINE

ABANDON 1080' OF 6" OF UTILITY PIPE

-L-  
PI Sta. 20+84.33  
 $\Delta = 25^{\circ} 03' 49.3" (LT)$   
 $D = 4^{\circ} 00' 24.1"$   
 $L = 625.54'$   
 $T = 317.86'$   
 $R = 1,430.00'$   
 $SE = .06$   
 $RO = 156'$

SBG: SHOULDER BERM GUTTER  
BEGIN SBG STA 12+21 LT  
END SBG BEGIN BRIDGE LT  
BEGIN SBG END BRIDGE LT  
END SBG STA 21+05 LT

5/14/09  
04-00T-200\_0950  
R:\Utilities\B-4417 UC-2\Project\B-4417 uc-2.dgn



5/14/99

29-SEP-2010 17:14  
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PROJECT REFERENCE NO.	SHEET NO.
<b>B-4417</b>	<b>UC-3</b>
DESIGNED BY: <b>KSM</b>	
DRAWN BY: <b>KSM</b>	
CHECKED BY: <b>CDB</b>	
APPROVED BY: <b>CDB</b>	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SEC. PHONE: (919)250-4128 FAX: (919)250-4119	
UTILITY CONSTRUCTION PLANS ONLY	

# UTILITY CONSTRUCTION

60

50

40

30

20

10

0

-10

-20

-30

-40

-50

-60

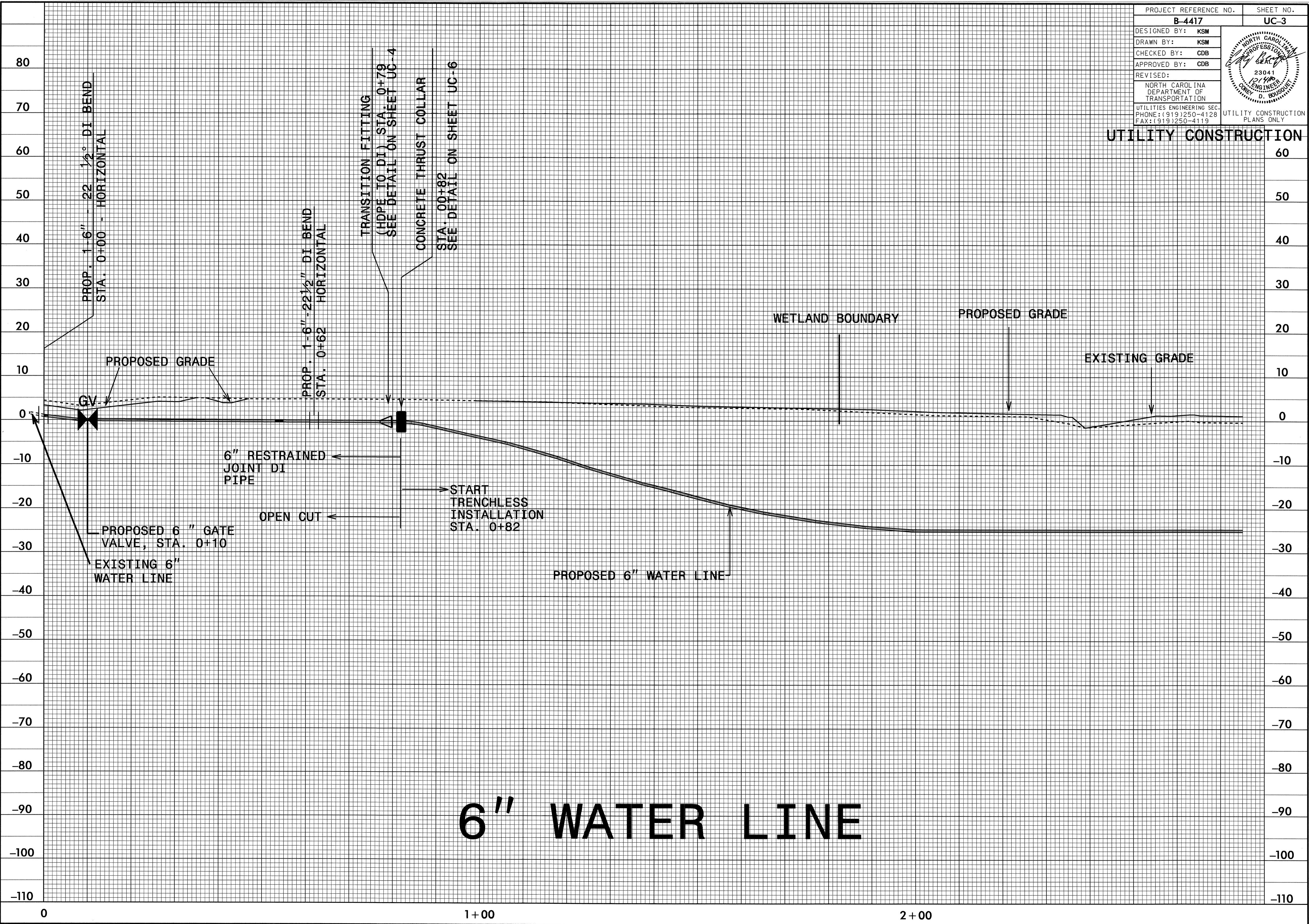
-70

-80

-90

-100

-110



# 6" WATER LINE

0

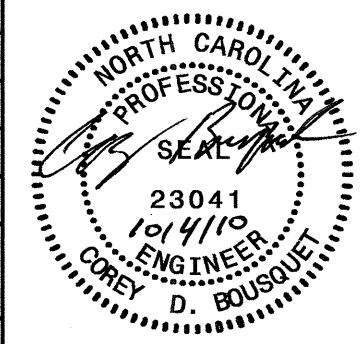
1+00

2+00

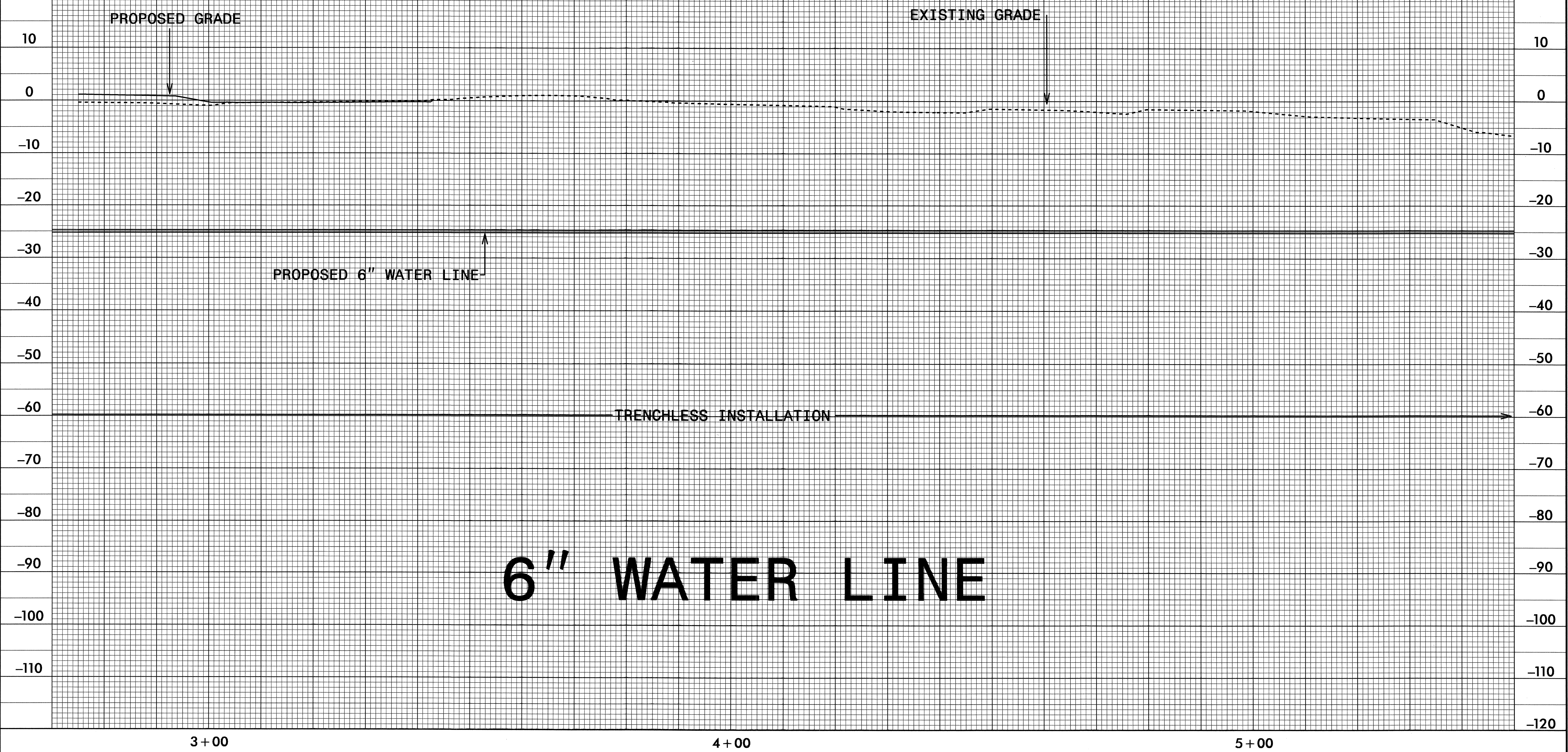
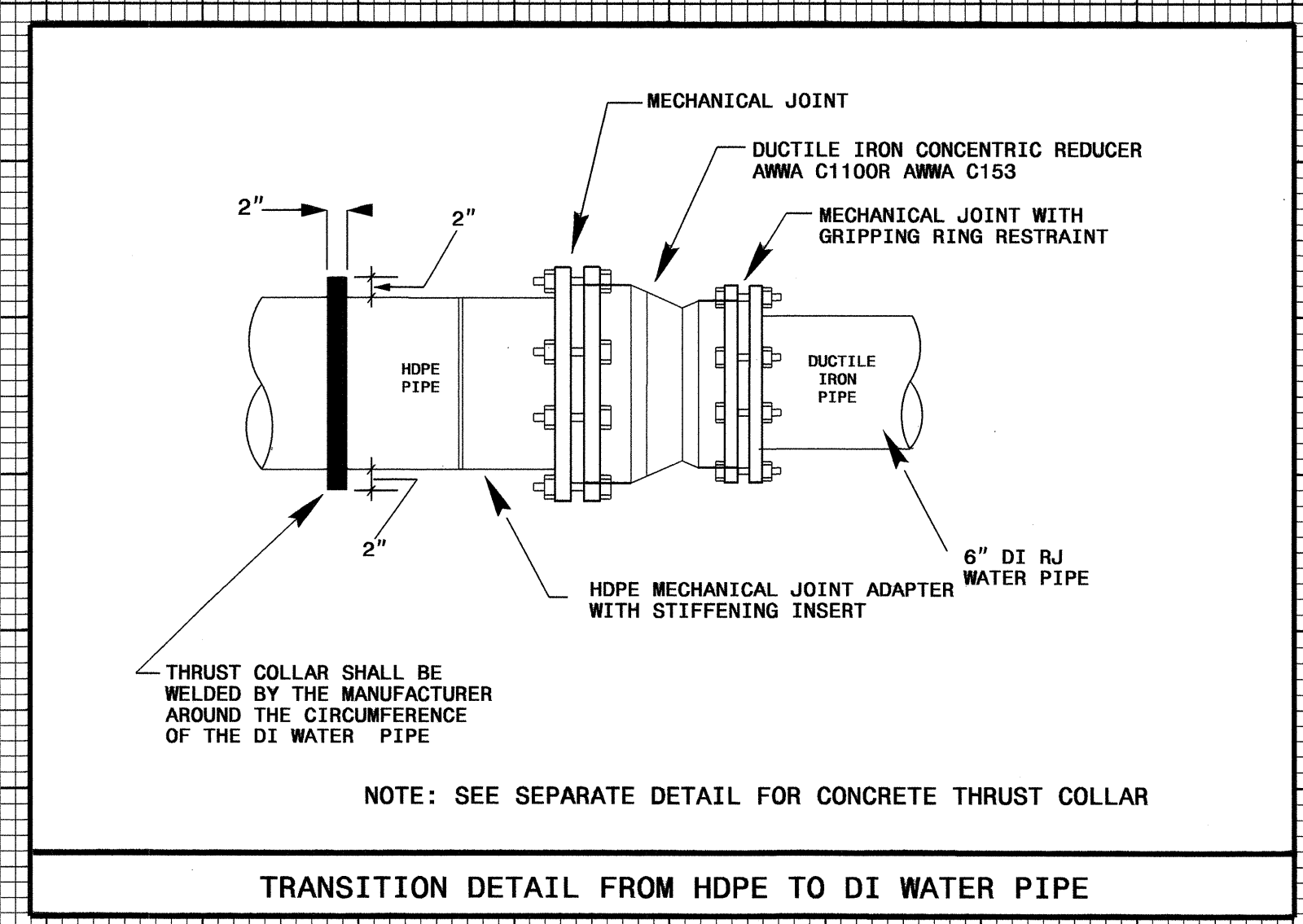
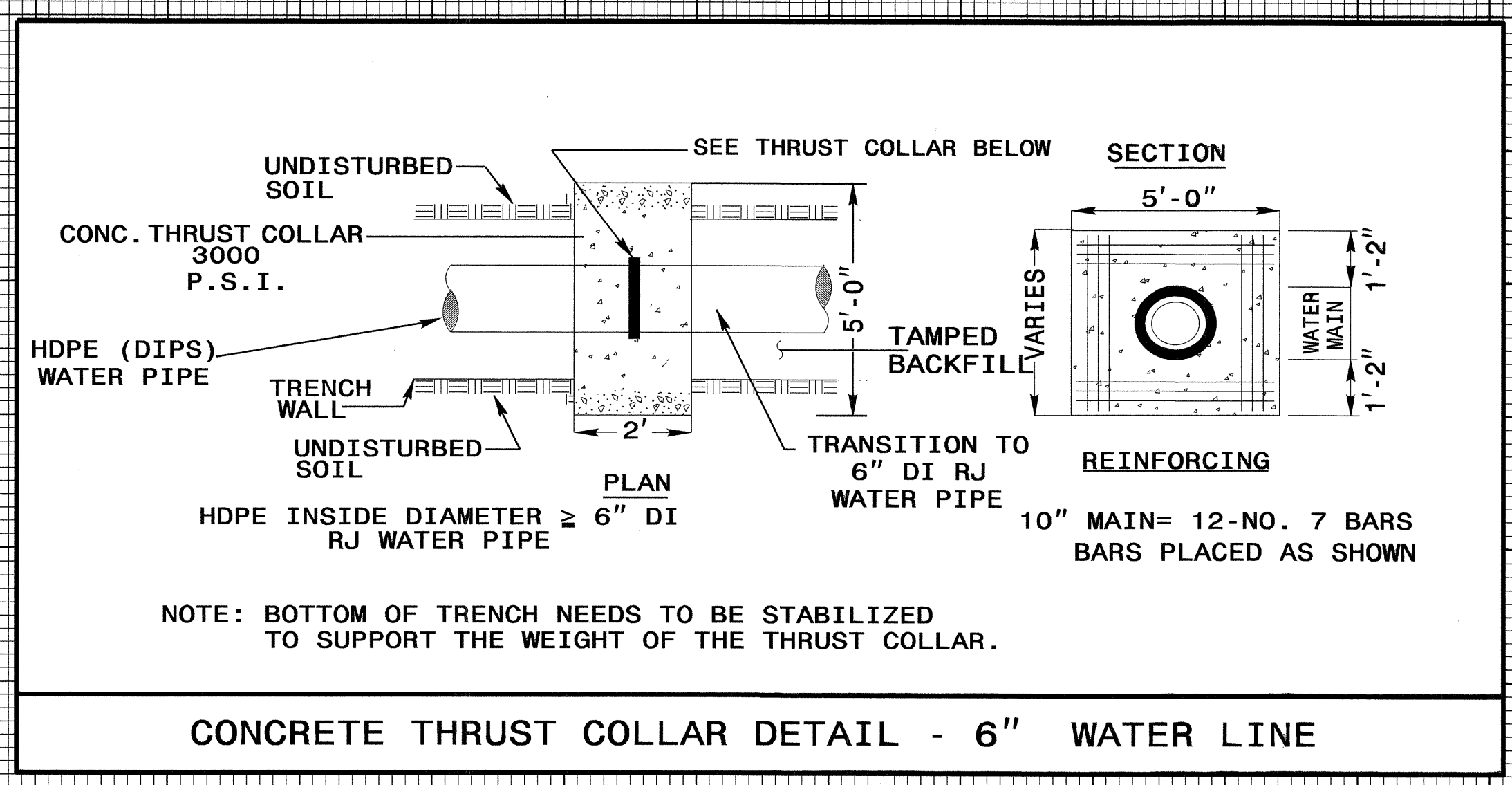


5/14/99

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PROJECT REFERENCE NO.	SHEET NO.
<b>B-4417</b>	<b>UC-4</b>
DESIGNED BY: <b>KSM</b>	
DRAWN BY: <b>KSM</b>	
CHECKED BY: <b>CDB</b>	
APPROVED BY: <b>CDB</b>	
REVISED:	
UTILITIES ENGINEERING SEC. NORTH CAROLINA DEPARTMENT OF TRANSPORTATION PHONE: (919) 250-4128 FAX: (919) 250-4119	

### UTILITY CONSTRUCTION





5/14/99

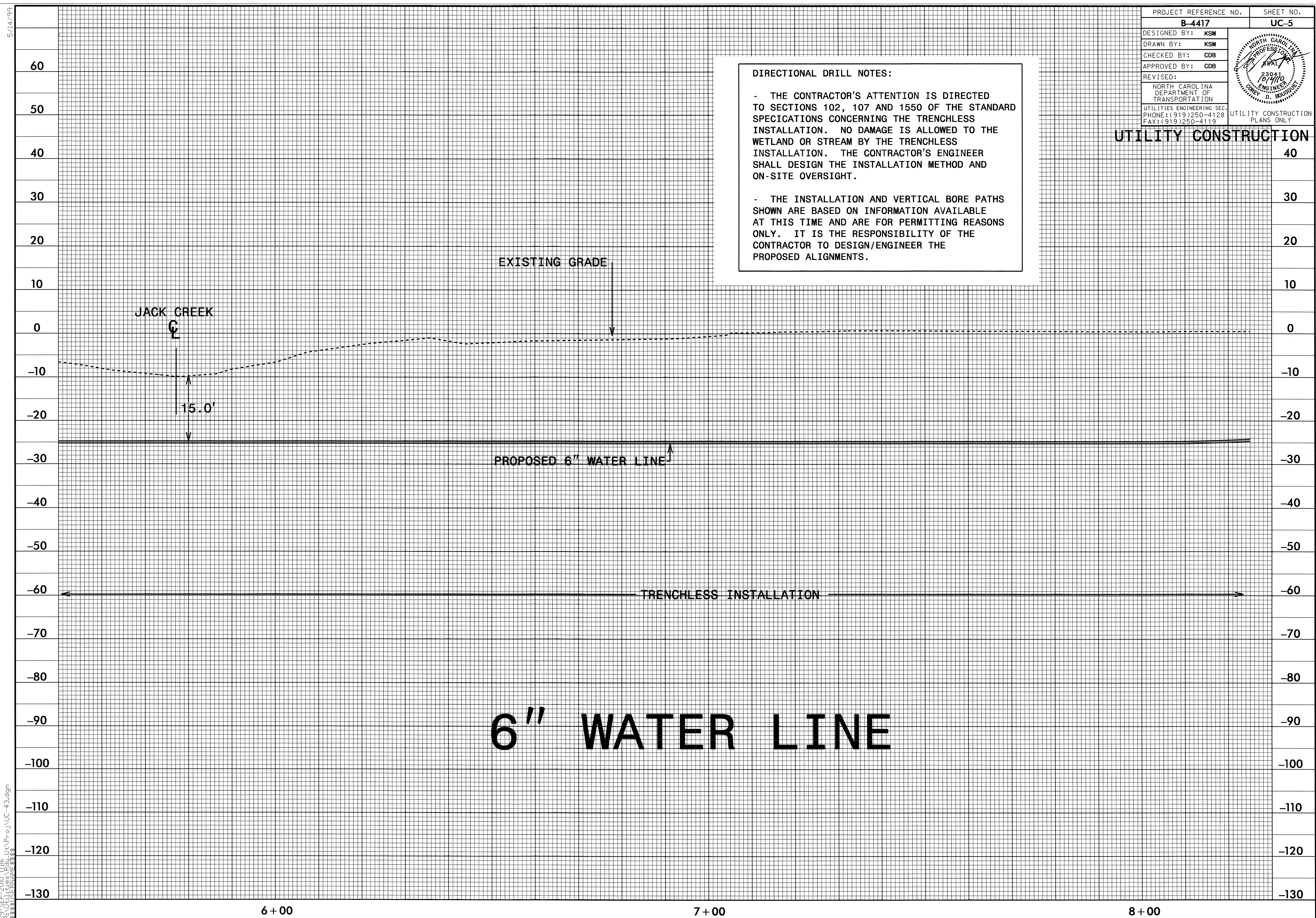
PROJECT REFERENCE NO.	SHEET NO.
B-4417	UC-5
DESIGNED BY: KSM	
DRAWN BY: KSM	
CHECKED BY: CDB	
APPROVED BY: CDB	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC. PHONE: (919) 250-4128 FAX: (919) 250-4119	

### UTILITY CONSTRUCTION

#### DIRECTIONAL DRILL NOTES:

- THE CONTRACTOR'S ATTENTION IS DIRECTED TO SECTIONS 102, 107 AND 1550 OF THE STANDARD SPECIFICATIONS CONCERNING THE TRENCHLESS INSTALLATION. NO DAMAGE IS ALLOWED TO THE WETLAND OR STREAM BY THE TRENCHLESS INSTALLATION. THE CONTRACTOR'S ENGINEER SHALL DESIGN THE INSTALLATION METHOD AND ON-SITE OVERSIGHT.

- THE INSTALLATION AND VERTICAL BORE PATHS SHOWN ARE BASED ON INFORMATION AVAILABLE AT THIS TIME AND ARE FOR PERMITTING REASONS ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DESIGN/ENGINEER THE PROPOSED ALIGNMENTS.



# 6" WATER LINE

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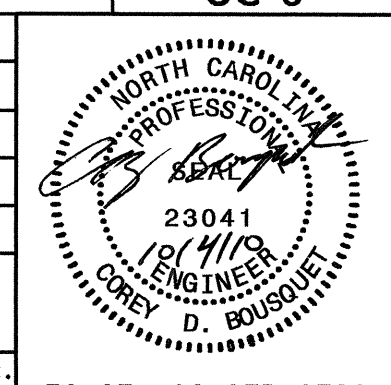
6+00

7+00

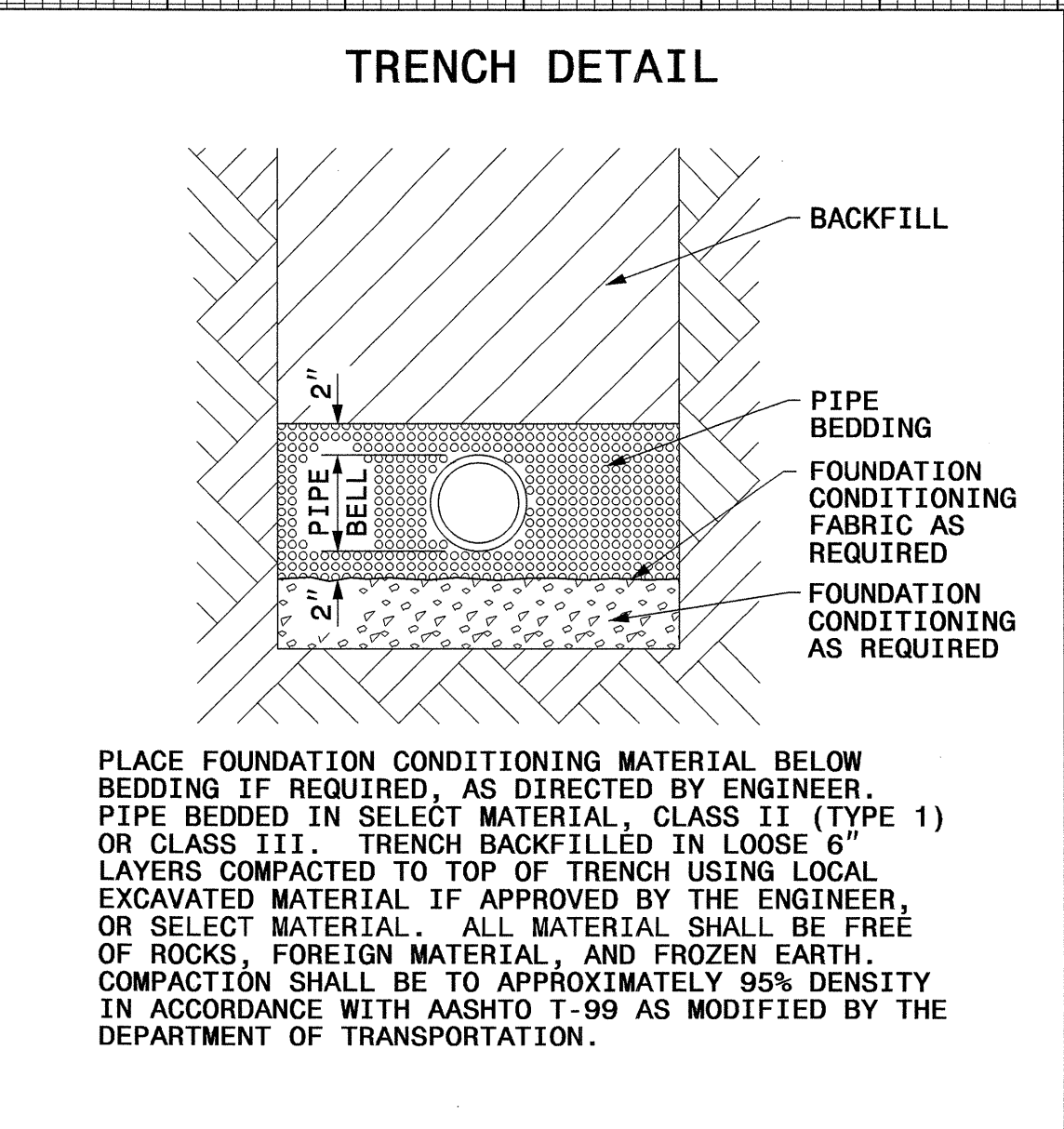
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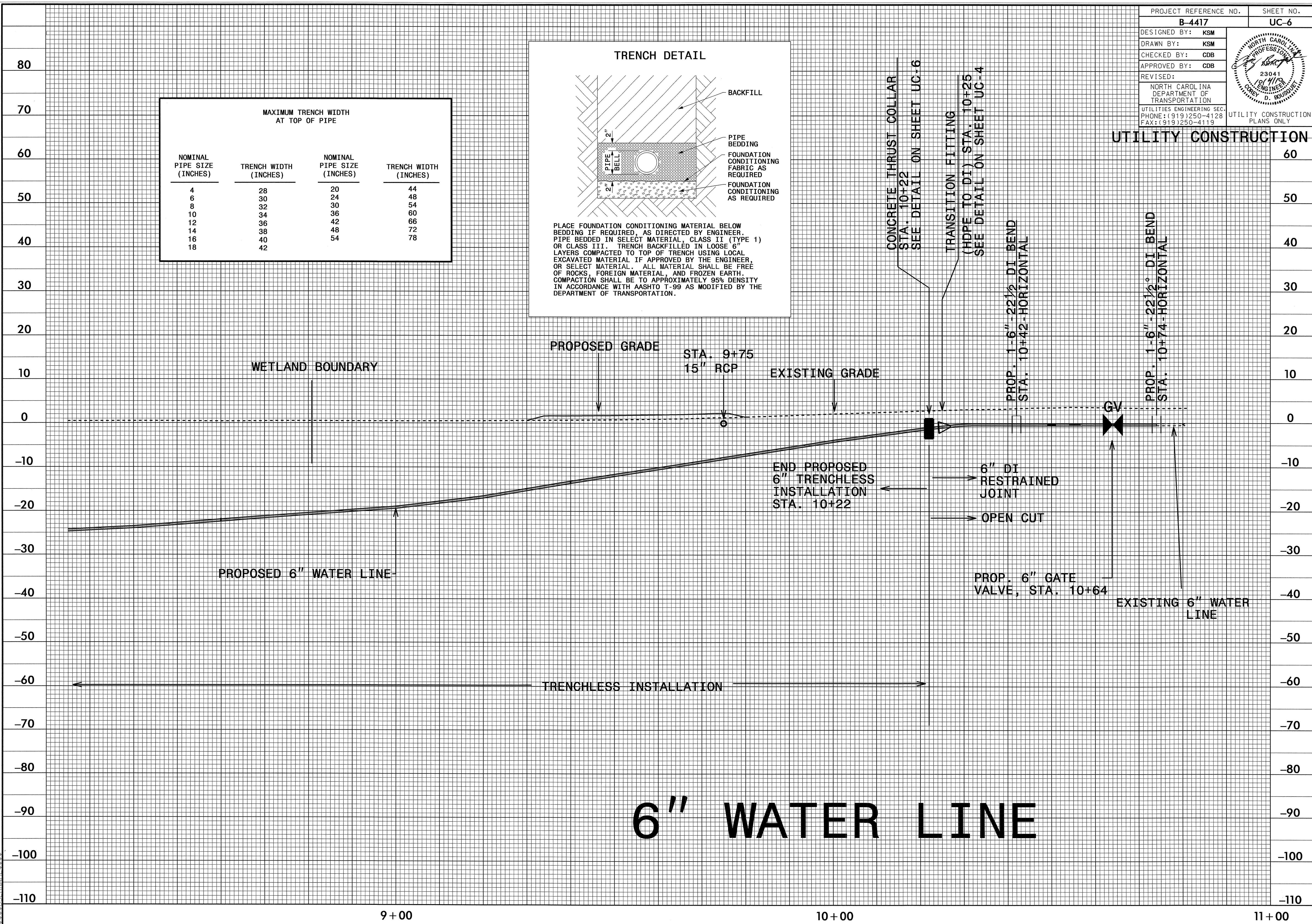
5/14/99

PROJECT REFERENCE NO.	SHEET NO.
B-4417	UC-6
DESIGNED BY: KSM	
DRAWN BY: KSM	
CHECKED BY: CDB	
APPROVED BY: CDB	
REVISED:	
	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SEC. PHONE: (919) 250-4128 FAX: (919) 250-4119	

NOMINAL PIPE SIZE (INCHES)	TRENCH WIDTH (INCHES)	NOMINAL PIPE SIZE (INCHES)	TRENCH WIDTH (INCHES)
4	28	20	44
6	30	24	48
8	32	30	54
10	34	36	60
12	36	42	66
14	38	48	72
16	40	54	78
18	42		



UTILITY CONSTRUCTION



6" WATER LINE

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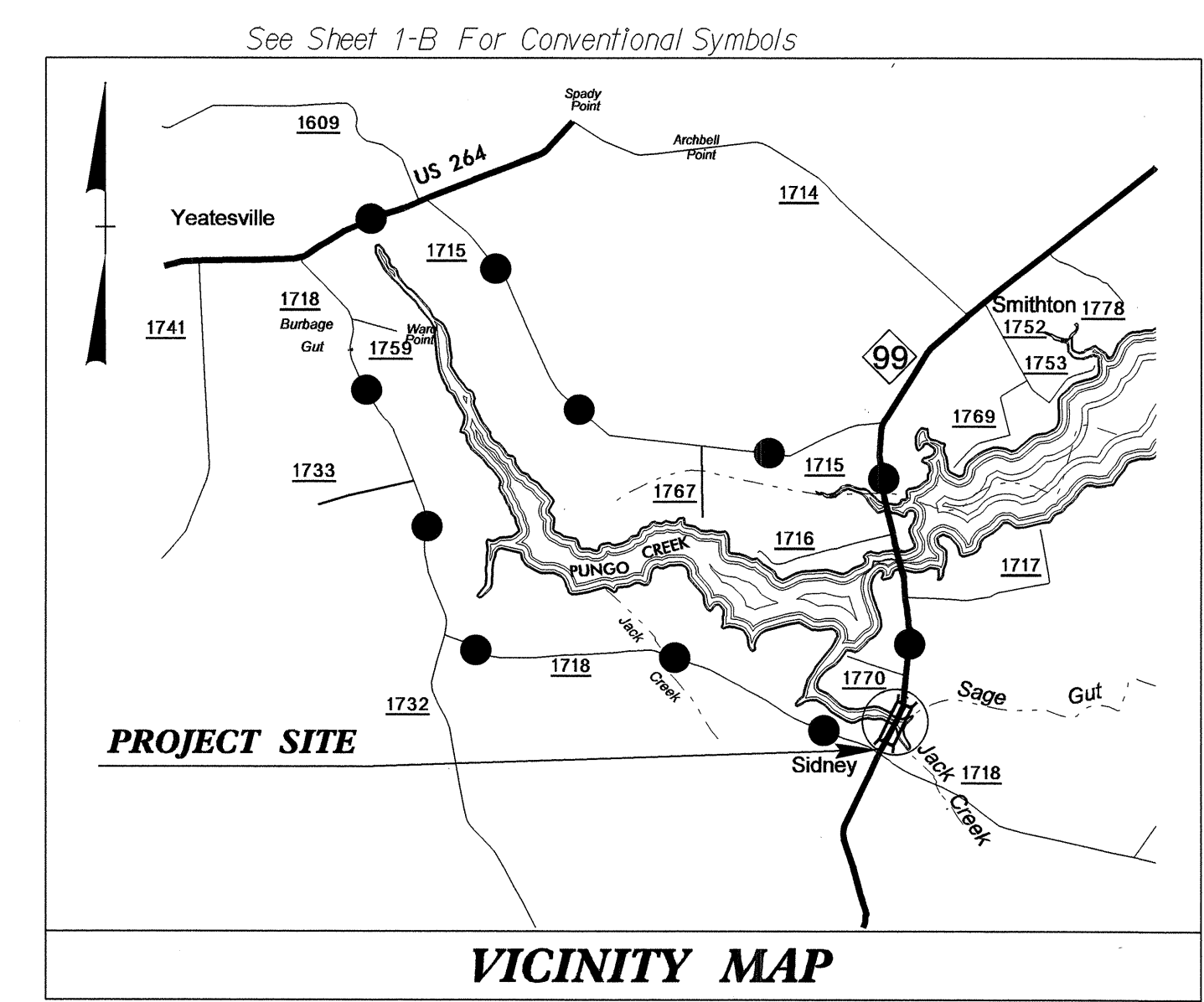
STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

**UTILITY BY OTHERS PLANS  
BEAUFORT COUNTY**

**LOCATION: BRIDGE NO. 59 OVER JACK CREEK ON NC 99**

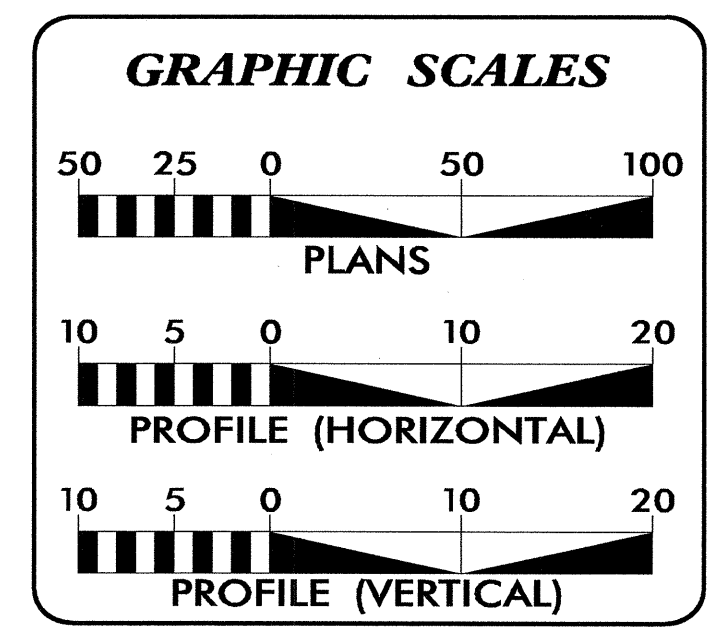
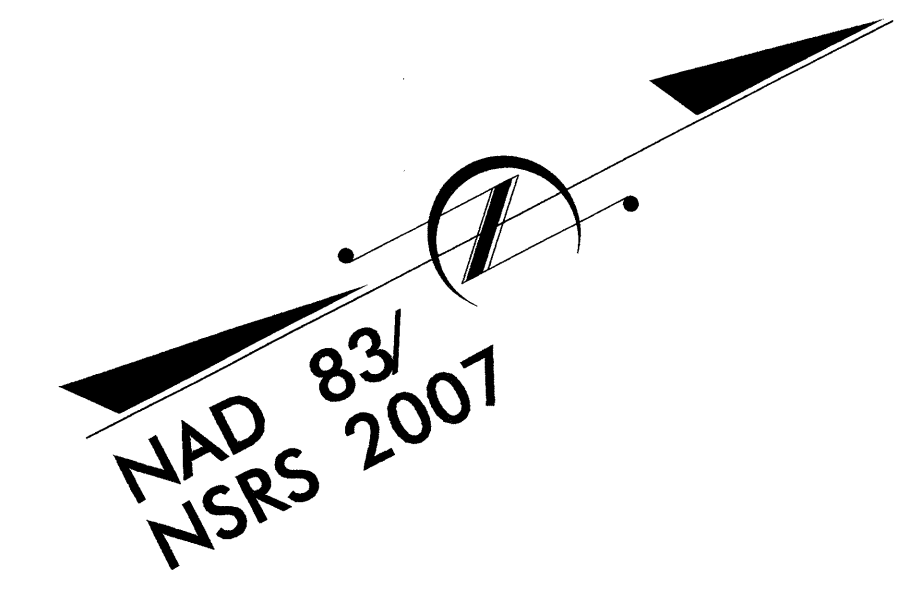
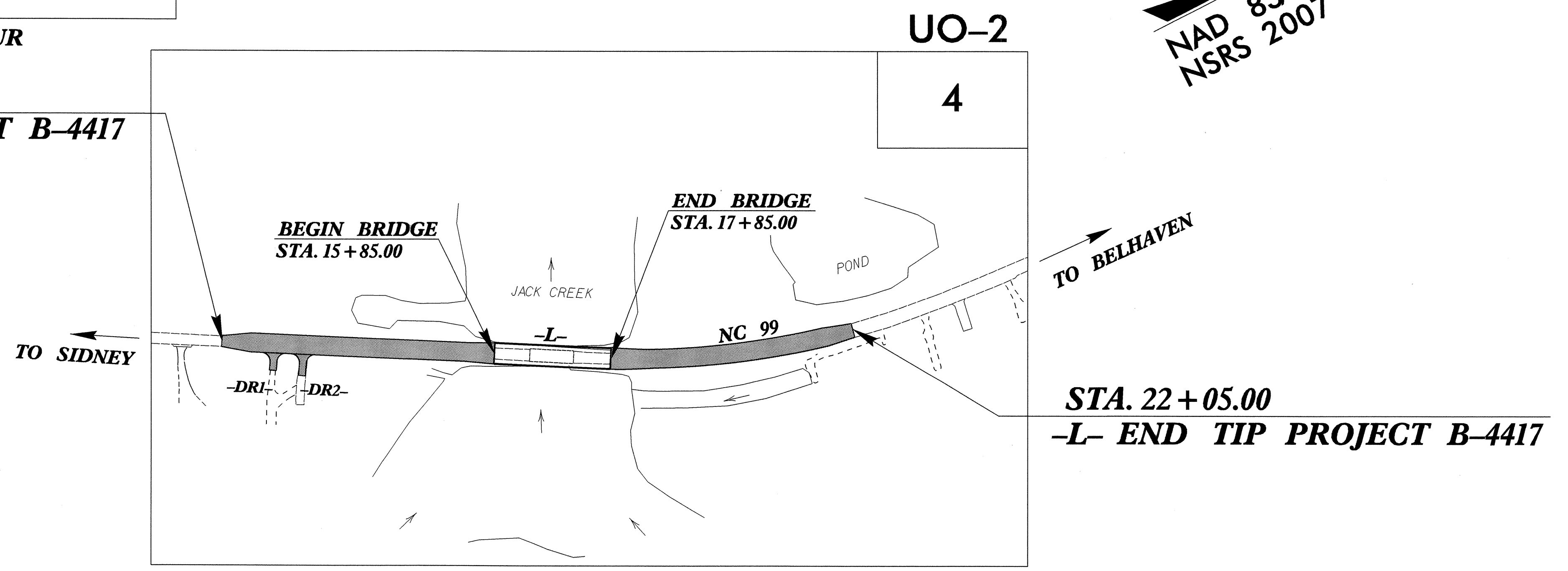
**TYPE OF WORK: RELOCATION OF TELEPHONE AND CATV LINES**

**TIP PROJECT: B-4417**



●—●—● OFFSITE DETOUR

**STA. 11+17.00**  
**-L- BEGIN TIP PROJECT B-4417**

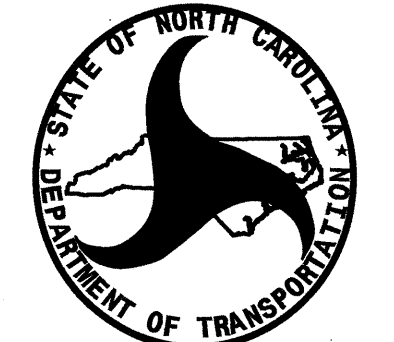


**INDEX OF SHEETS**

SHEET NO.	DESCRIPTION
U0-1	TITLE SHEET
U0-2	UTILITY CONSTRUCTION PLAN SHEET

**UTILITY OWNERS ON PROJECT**

(1) TRI COUNTY TELEPHONE AND CATV



PREPARED IN THE OFFICE OF:  
**DIVISION OF HIGHWAYS  
UTILITIES ENGINEERING  
SECTION**

1591 MAIL SERVICES CENTER  
RALEIGH, NC 27699-1591  
PHONE (919) 250-4128  
FAX (919) 250-4119

**Roger Worthington, P.E.** UTILITIES SECTION ENGINEER  
**Corey Bousquet, P.E.** UTILITIES SQUAD LEADER PROJECT ENGINEER  
**Kevin Martin** UTILITIES PROJECT DESIGNER

04-OCT-2010 11:59 R:\Utilities\Projects\B-4417\Ut\_Title\_U01.psh.dgn \$\$\$USERNAME\$\$\$



