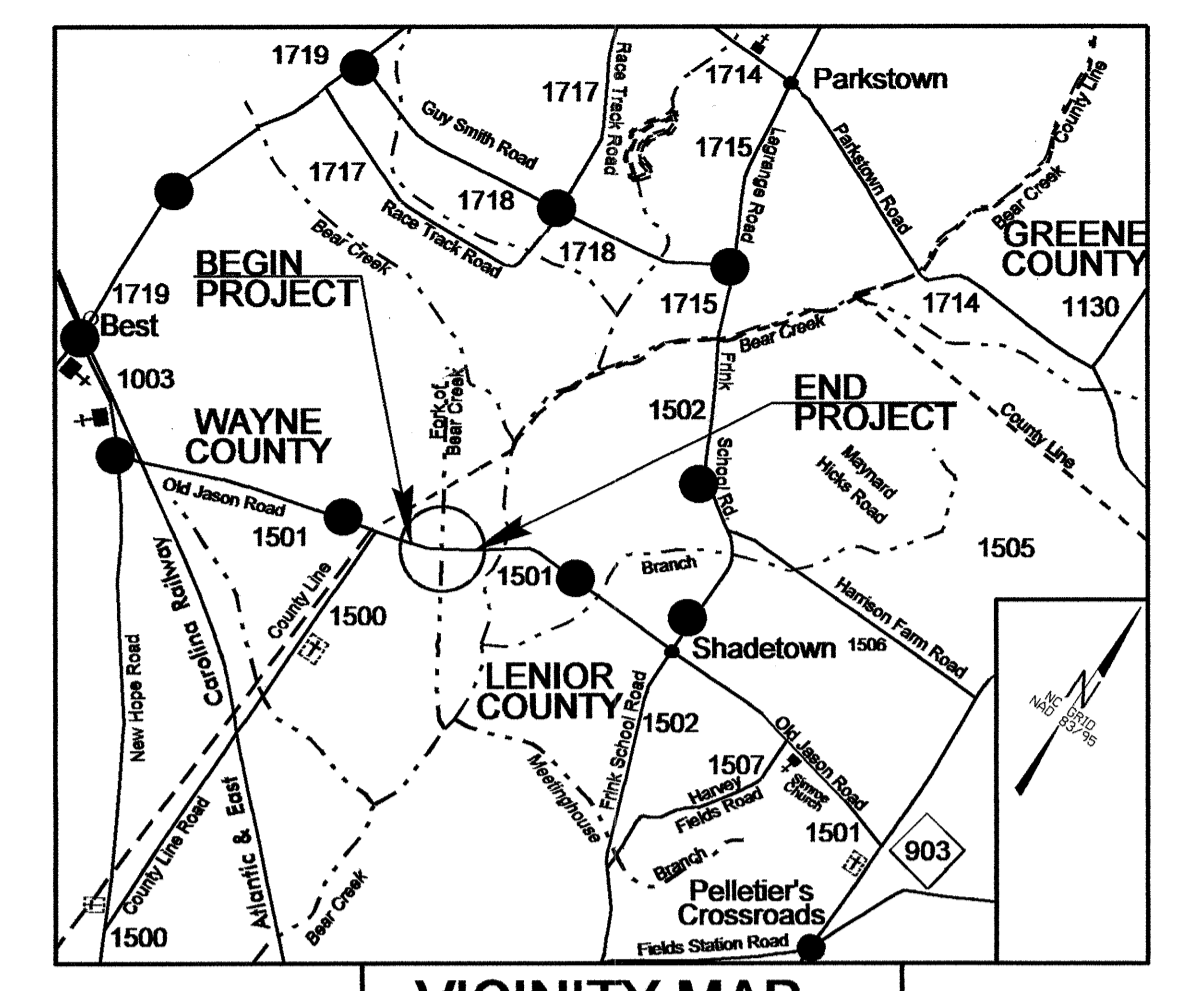
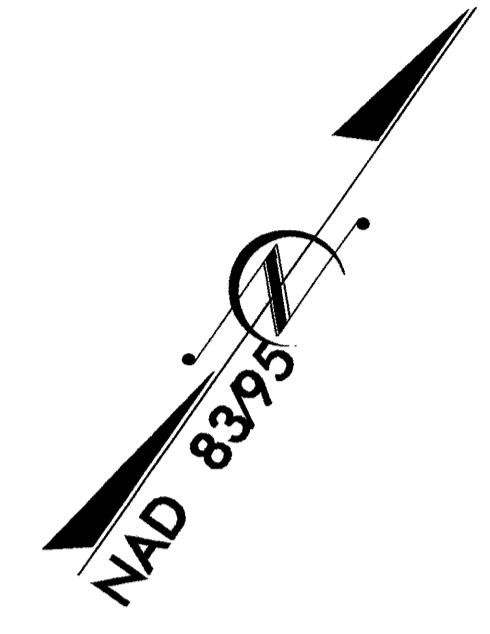


STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

**UTILITY CONSTRUCTION PLANS
LENOIR COUNTY**

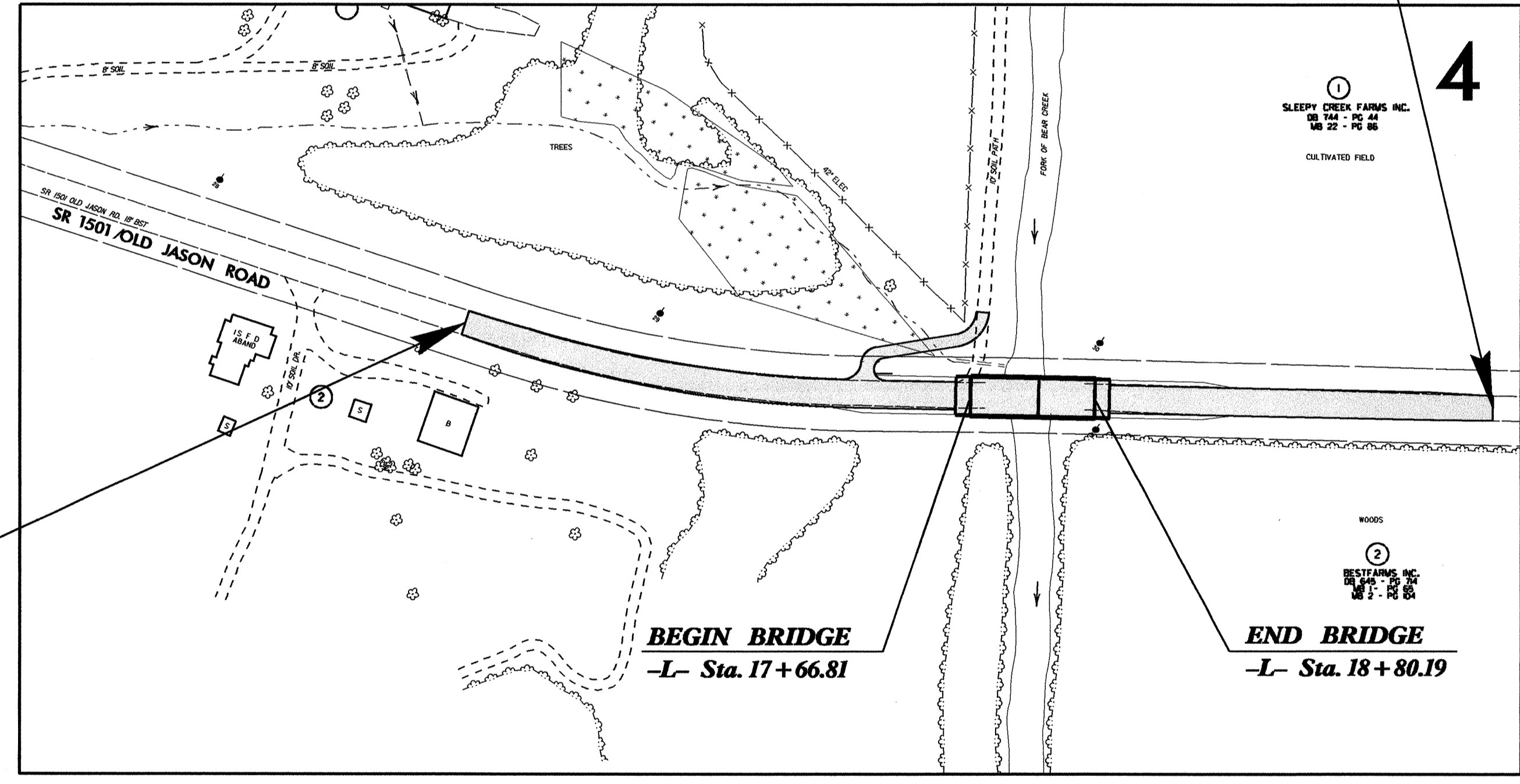
**LOCATION: REPLACEMENT OF BRIDGE No. 69 ON SR 1501
(OLD) JASON ROAD) OVER A FORK OF WEST BEAR CREEK**

TYPE OF WORK: 6" WATER LINE RELOCATION



VICINITY MAP
●●●● DETOUR

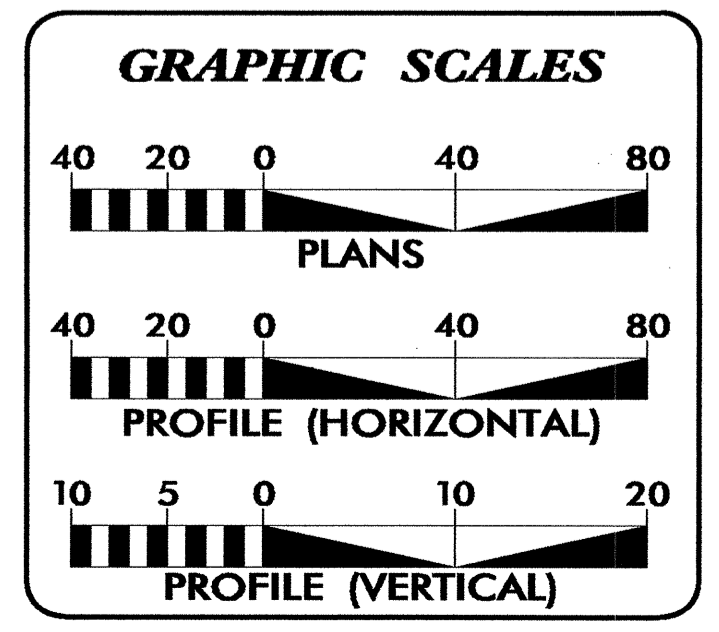
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END F.A. PROJECT No. BRZ-1501 (6)
-L- POT Sta. 22+00.00**



**BEGIN STATE PROJECT B-4567
BEGIN F.A. PROJECT No. BRZ-1501 (6)
-L- POT Sta. 13+65.00**

CLEARING ON THIS PROJECT SHALL BE PERFORMED
TO THE LIMITS ESTABLISHED BY METHOD III.

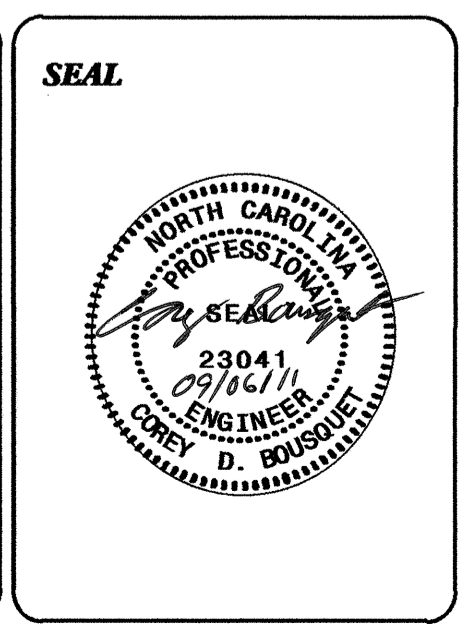
THIS PROJECT IS NOT WITH-IN ANY MUNICIPAL BOUNDARIES.



SHEET NO.	DESCRIPTION
UC-1	TITLE SHEET
UC-2	UTILITY CONSTRUCTION PLAN SHEET
UC-3	UTILITY CONSTRUCTION DETAIL SHEET

WATER AND SEWER OWNERS ON PROJECT

(1) WATER - NORTH LENOIR WATER CORPORATION



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

1591 MAIL SERVICES CENTER
RALEIGH NC 27699-1591
PHONE (919) 707-6690
FAX (919) 250-4151

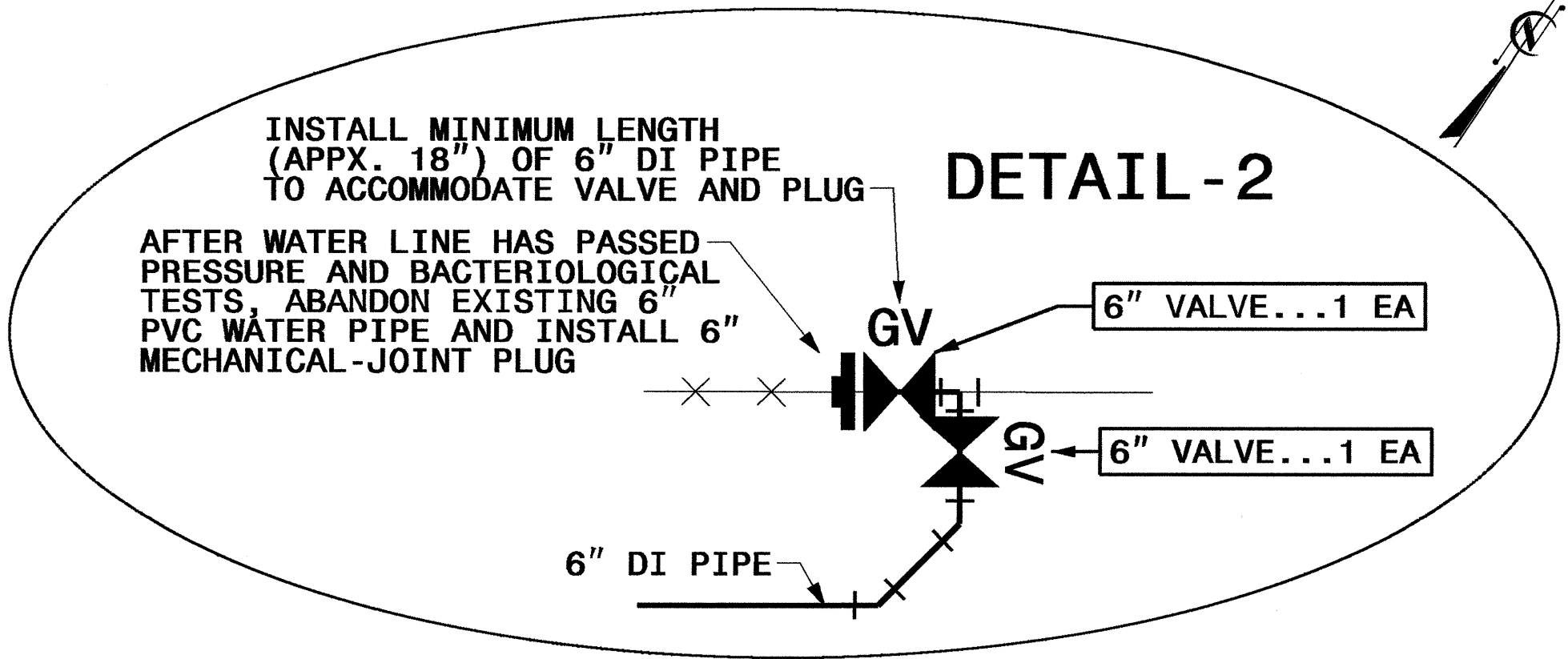
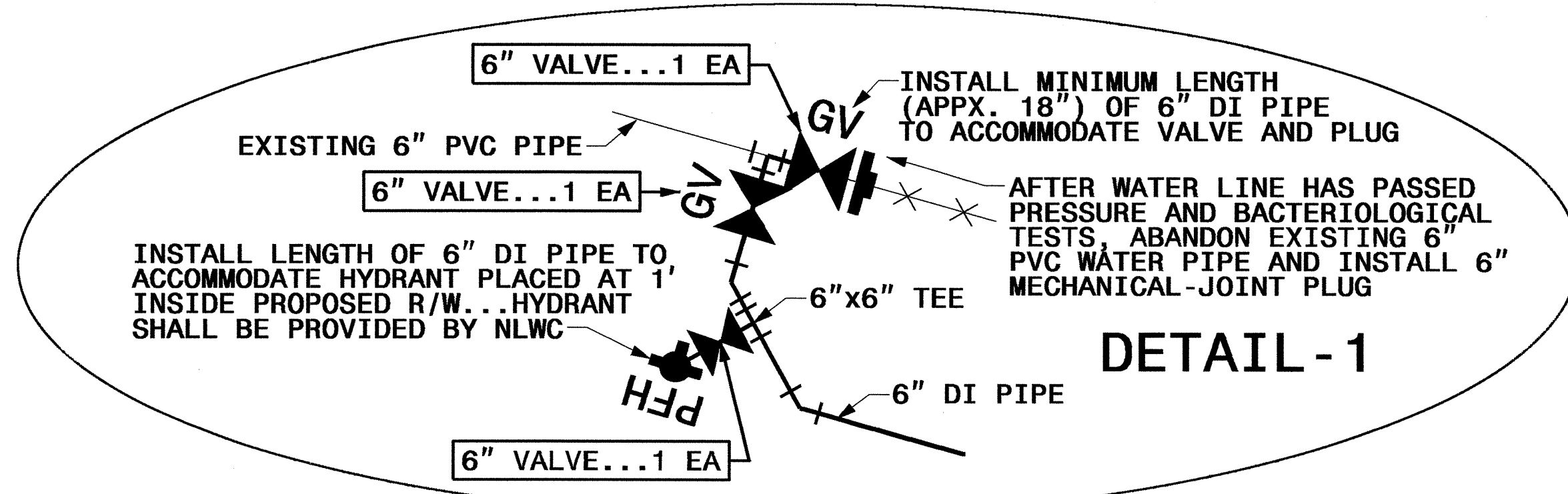
Roger Worthington, P.E. UTILITIES SECTION ENGINEER
Corey Bousquet, P.E. UTILITIES SQUAD LEADER PROJECT ENGINEER
Eric Haugaard UTILITIES PROJECT DESIGNER

30-AUG-2011 07:42
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TIP PROJECT: B-4567

B-4567 (SR-1501 OVER WEST BEAR CREEK) WATER RELOCATION

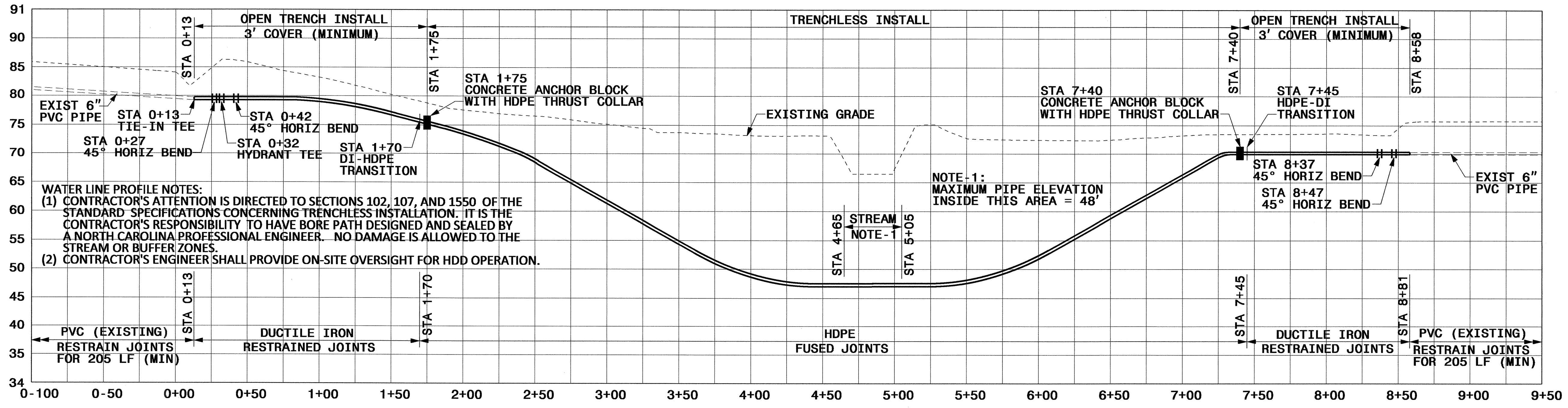
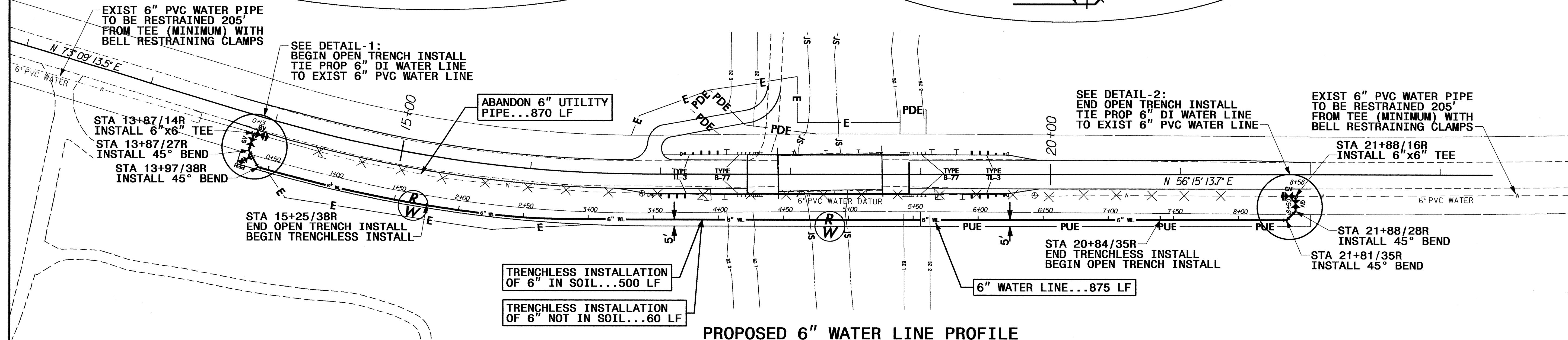
PROJECT REFERENCE NO.	SHEET NO.
B-4567	UC-2
DESIGNED BY: EWH	
DRAWN BY: EWH	
CHECKED BY: CDB	
APPROVED BY: CDB	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SEC. PHONE: (919)250-4128 FAX: (919)250-4119	
UTILITY CONSTRUCTION PLANS ONLY	



UTILITY CONSTRUCTION

PLAN SCALE: 1"=40'

PROFILE SCALE:
 HORIZONTAL: 1"=40'
 VERTICAL: 1"=10'



GENERAL NOTES:

- ALL PROPOSED WATER LINE INSTALLED BY OPEN TRENCH SHALL BE DUCTILE IRON PIPE WITH RESTRAINED JOINTS AND ALL FITTINGS, VALVES, TEES, HYDRANTS, ETC. SHALL BE RESTRAINED USING MECHANICAL JOINT RETAINING GLANDS WITH FULL CIRCUMFERENTIAL PIPE RESTRAINT.
- ALL PROPOSED WATER LINE INSTALLED BY HDD TO BE HDPE PIPE (DR-9) WITH FUSED JOINTS AND WILL HAVE AN INSIDE DIAMETER EQUAL TO OR GREATER THAN 6".

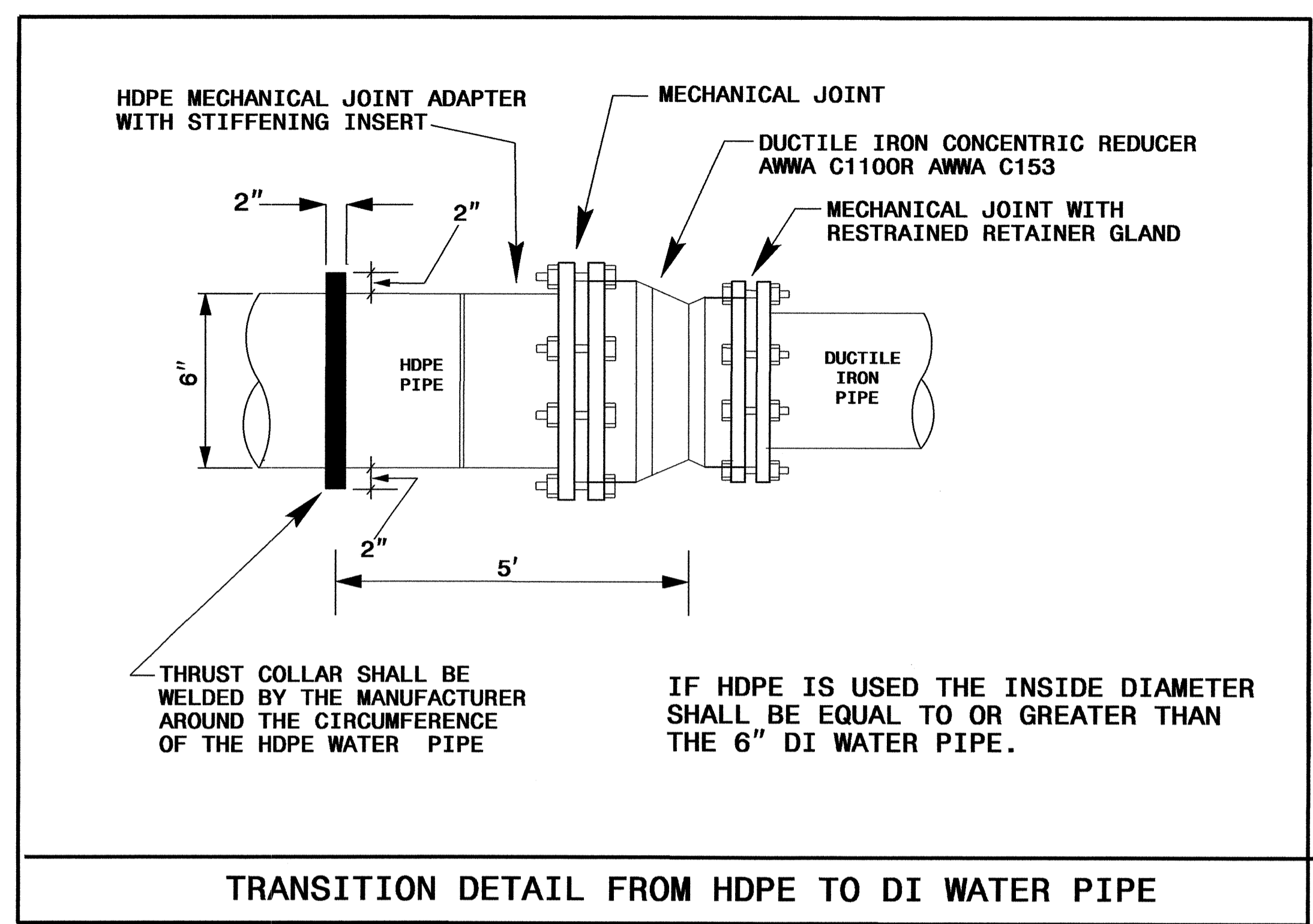
GENERAL NOTES CONTINUED:

- ALL JOINT RESTRAINTS, FITTINGS, PIPE BEDDING MATERIAL, CONCRETE ANCHOR BLOCKS, AND DEWATERING OF TRENCH EXCAVATION WILL BE CONSIDERED INCIDENTAL TO THE PAY ITEM "6" WATER LINE" AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE.
- ALL FITTINGS, VALVES, TEES, HYDRANTS, ETC. SHALL BE SUPPORTED WITH #57 STONE.

8/17/99

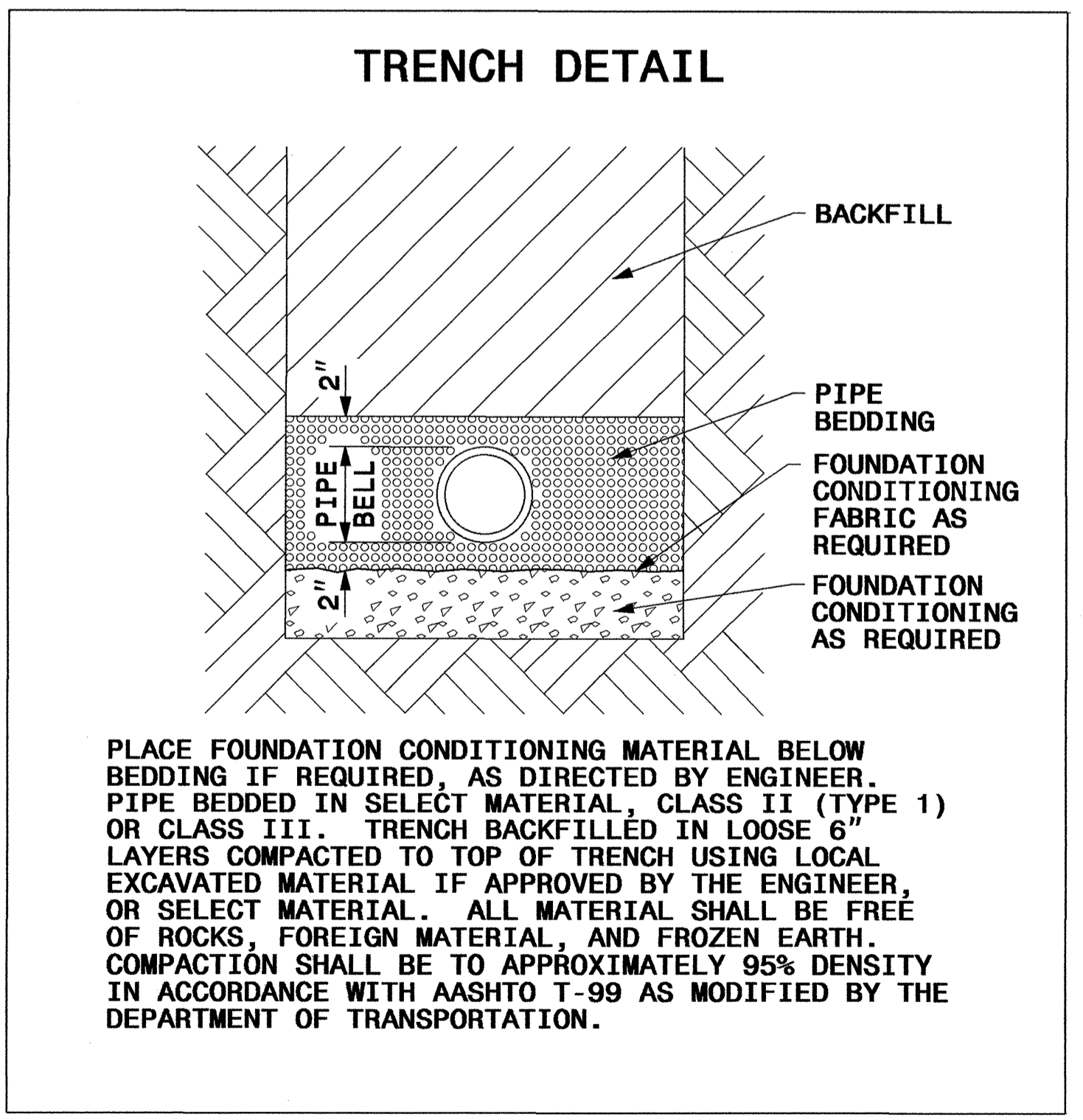
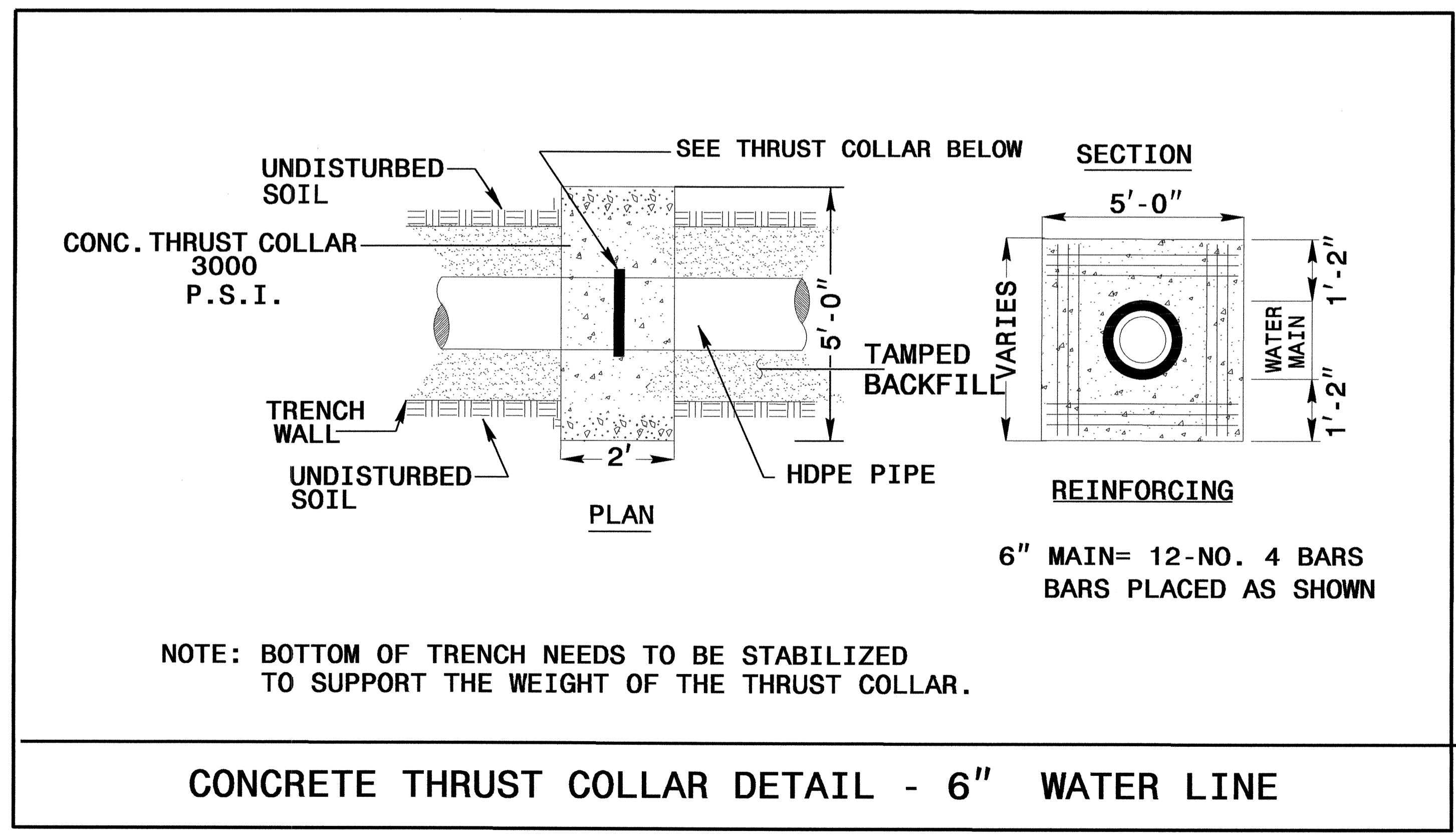
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UTILITY CONSTRUCTION



MAXIMUM TRENCH WIDTH AT TOP OF PIPE

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		



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 \$\$\$\$ USER NAME \$\$\$

TIP PROJECT: B-4567

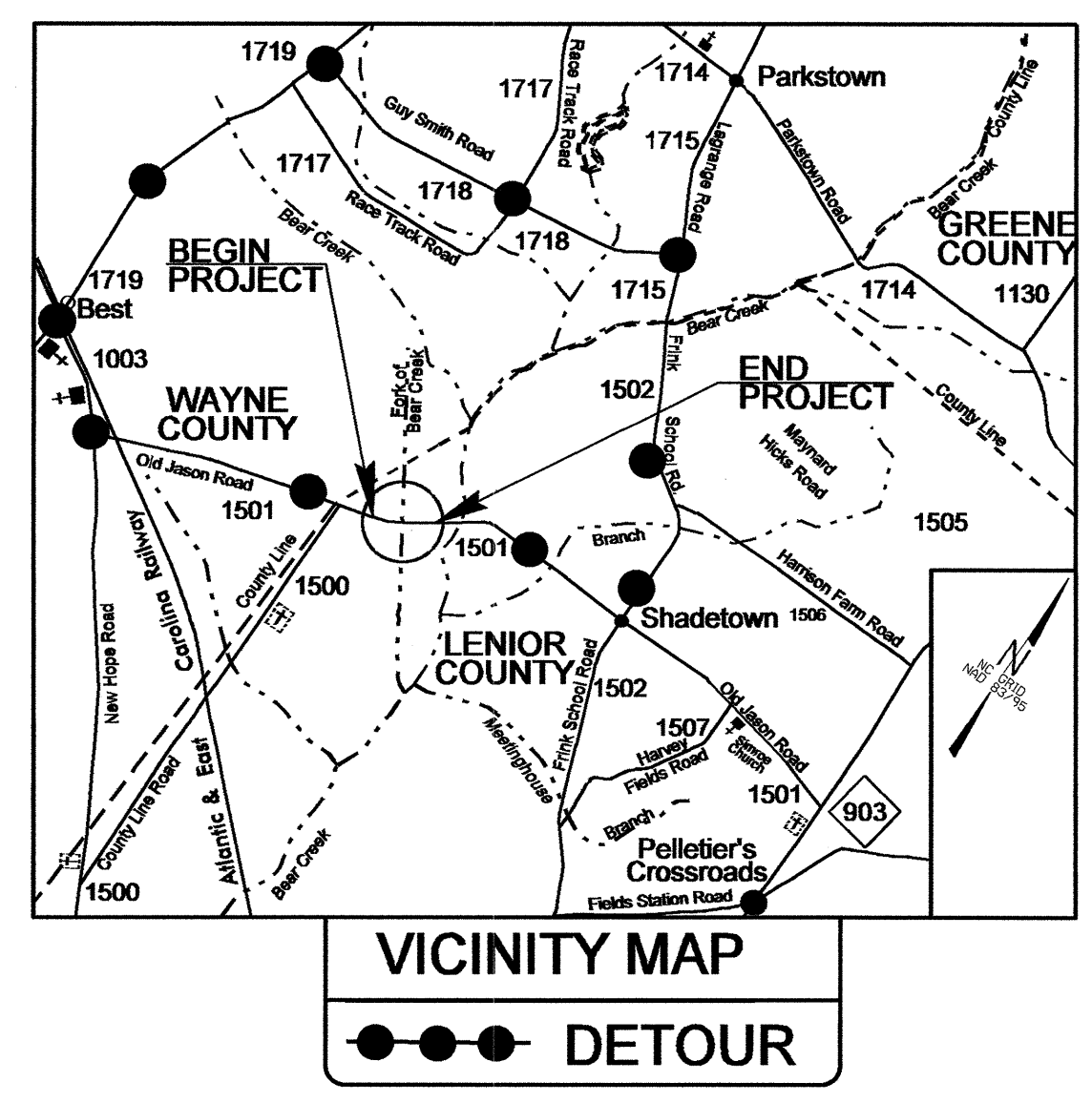
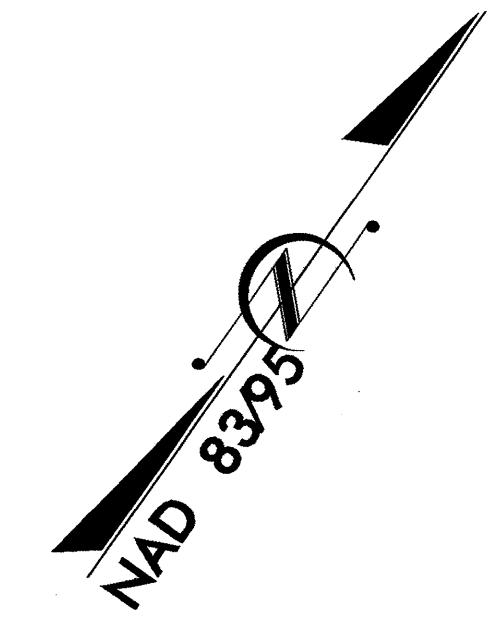
T.I.P. NO.	SHEET NO.
B-4567	UO-1

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

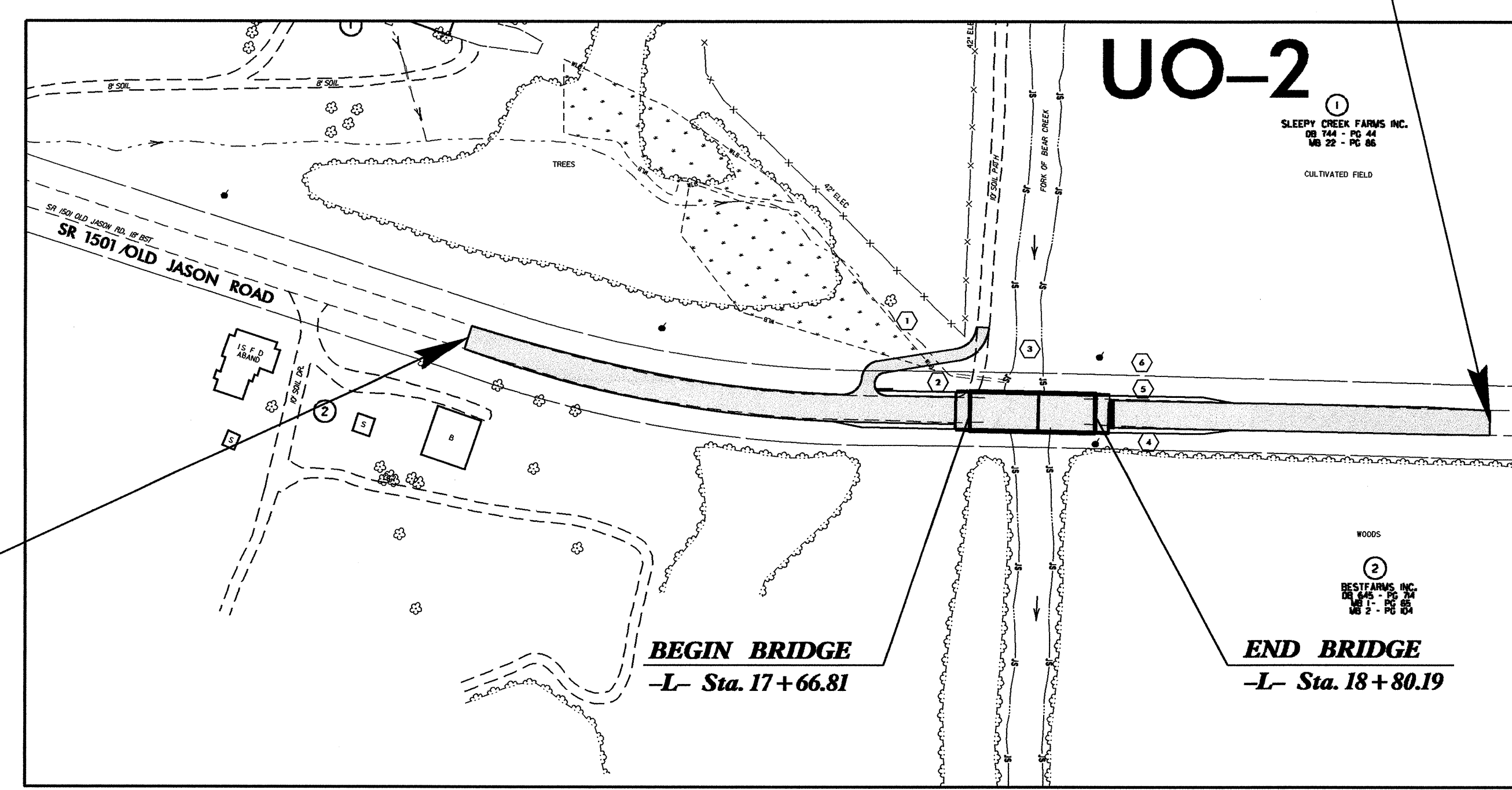
**UTILITIES BY OTHERS PLANS
LENOIR COUNTY**

**LOCATION: BRIDGE 69 OVER A FORK OF WEST
BEAR CREEK ON SR 1501**

TYPE OF WORK: UTILITY BY OTHERS RELOCATION



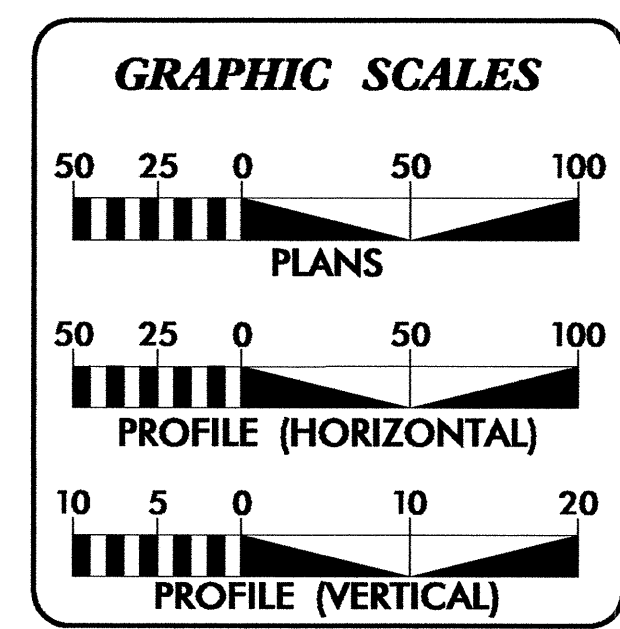
**END STATE PROJECT B-4567
END F.A. PROJECT No. BRZ-1501 (6)
-L- POT Sta. 22+00.00**



**BEGIN STATE PROJECT B-4567
BEGIN F.A. PROJECT No. BRZ-1501 (6)
-L- POT Sta. 13+65.00**

CLEARING ON THIS PROJECT SHALL BE PERFORMED
TO THE LIMITS ESTABLISHED BY METHOD III.

THIS PROJECT IS NOT WITH-IN ANY MUNICIPAL BOUNDARIES.



SHEET NO.	DESCRIPTION
UO-1	TITLE SHEET
UO-2	UTILITY BY OTHERS PLAN SHEET

UTILITY OWNERS ON PROJECT
(1) TRI-COUNTY EMC

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

1591 MAIL SERVICES CENTER
RALEIGH NC 27699-1591
PHONE (919) 707-6690
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Roger Worthington, P.E.	UTILITIES SECTION ENGINEER
Corey Bousquet, P.E.	UTILITIES SQUAD LEADER PROJECT ENGINEER
Stephanie Athey	UTILITIES PROJECT DESIGNER

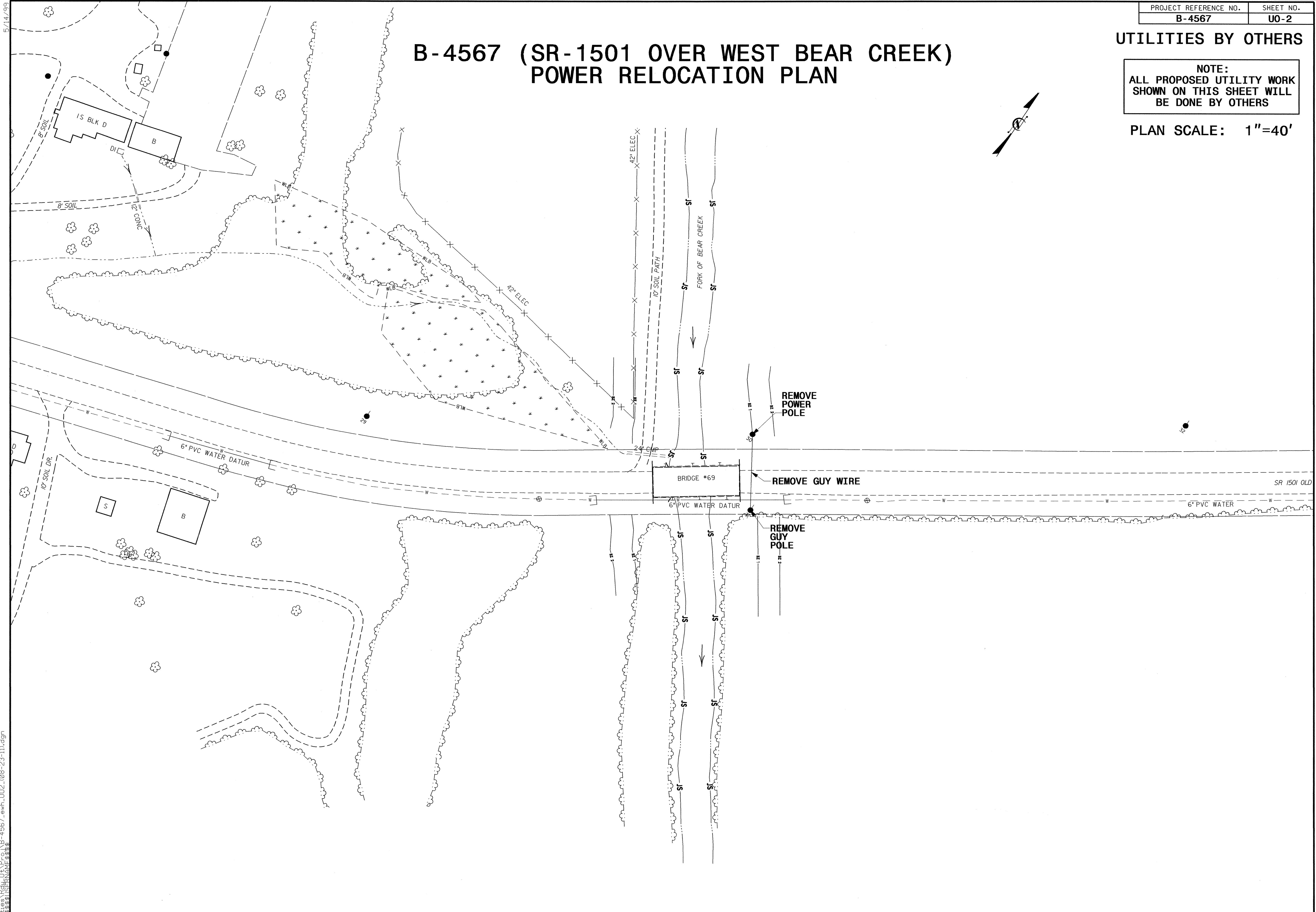
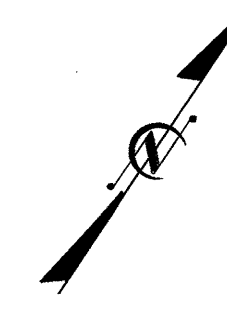
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UTILITIES BY OTHERS

NOTE:
ALL PROPOSED UTILITY WORK
SHOWN ON THIS SHEET WILL
BE DONE BY OTHERS

PLAN SCALE: 1"=40'

B-4567 (SR-1501 OVER WEST BEAR CREEK) POWER RELOCATION PLAN



5/14/99
 23-AUG-2010 07:54
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 \$\$\$\$SHERMAN\$\$\$\$