

09/08/99

TIP PROJECT: B-4212

T.I.P. NO.

B-4212

SHEET NO.

UC-1

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

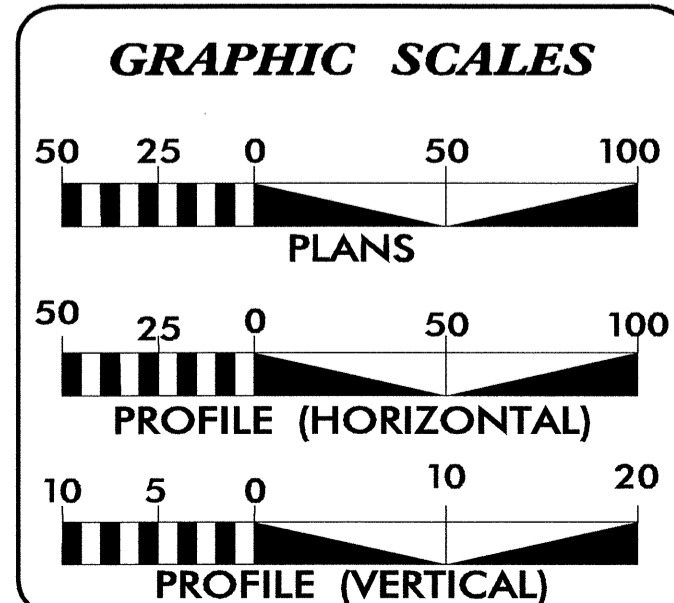
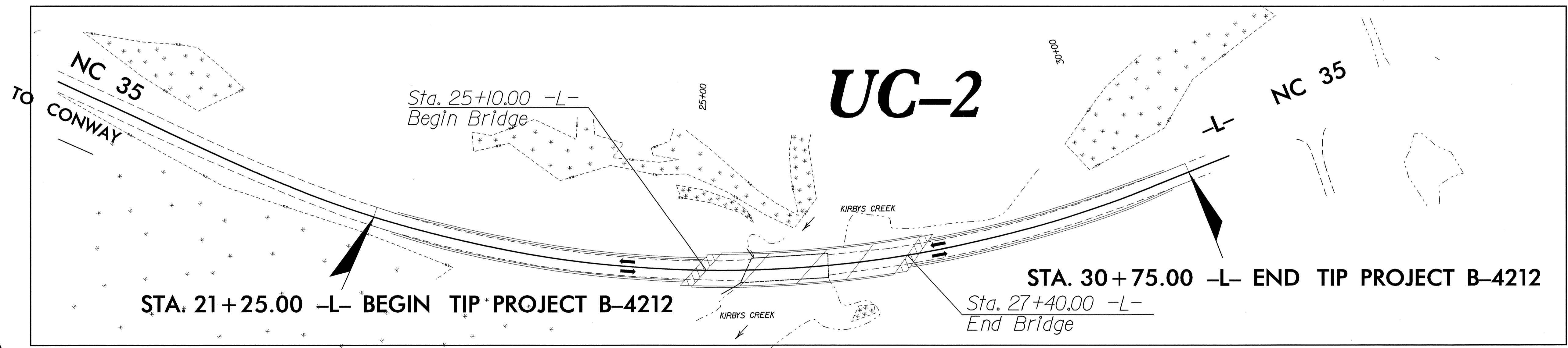
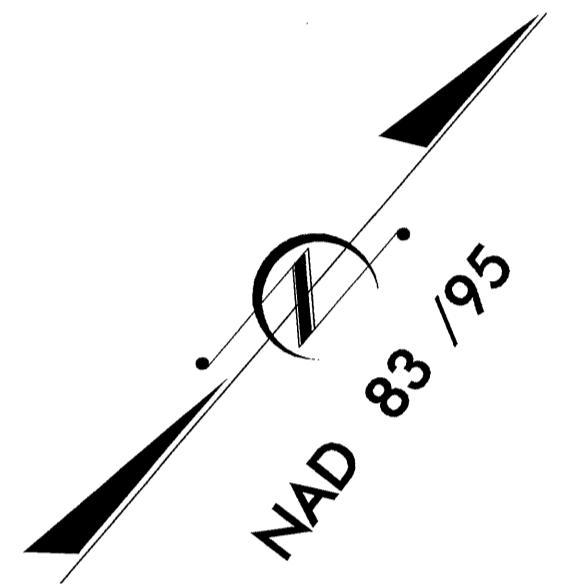
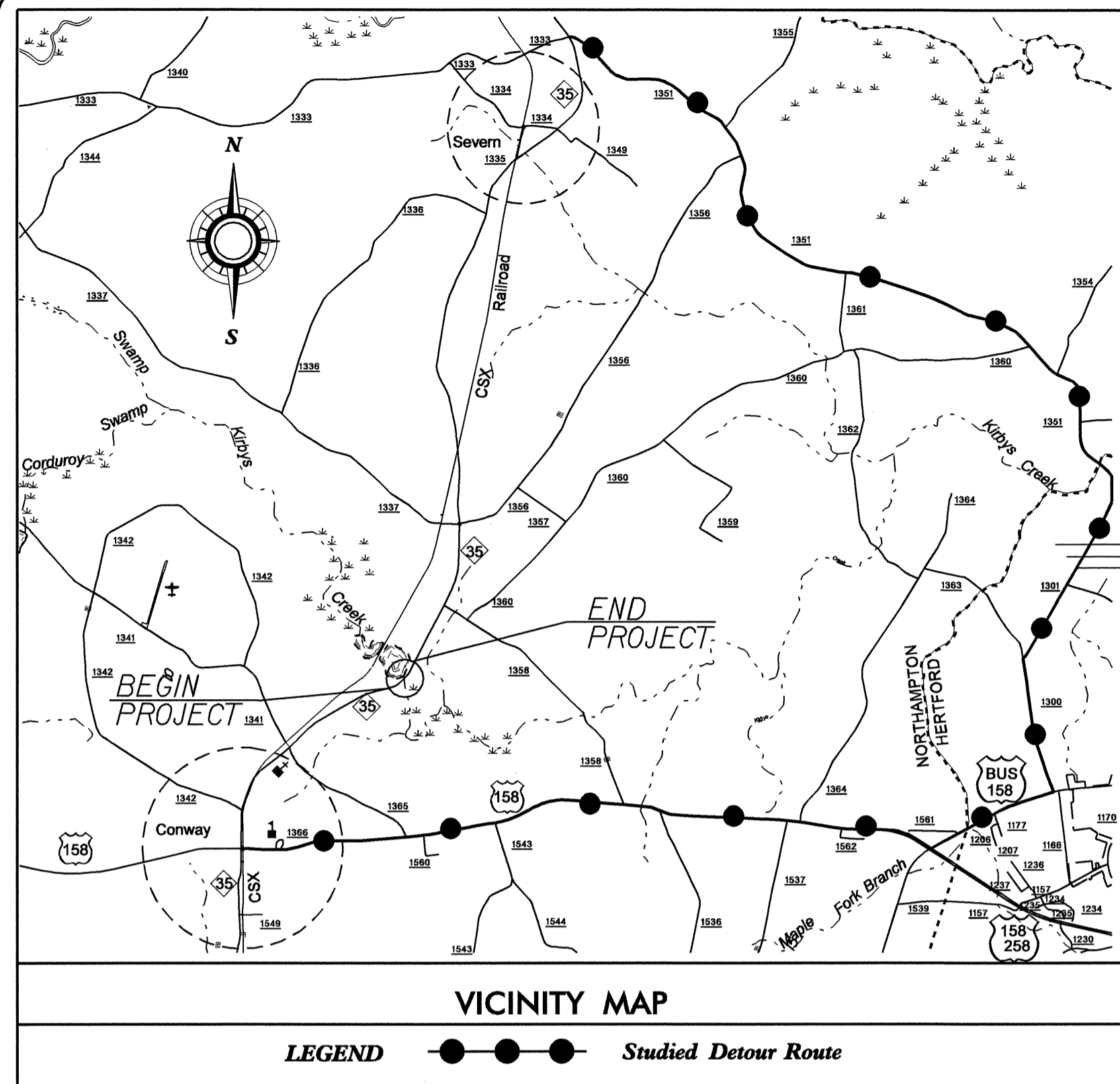
UTILITY CONSTRUCTION PLANS
NORTHAMPTON COUNTY

LOCATION: BRIDGE 77 OVER KIRBY'S CREEK ON NC 35

TYPE OF WORK: RELOCATION OF WATER LINE AND FORCE MAIN

ALL PROPOSED WATER LINE AND FORCE MAIN SHALL
BE CONNECTED TO THE EXISTING LINES USING
NECESSARY FITTINGS

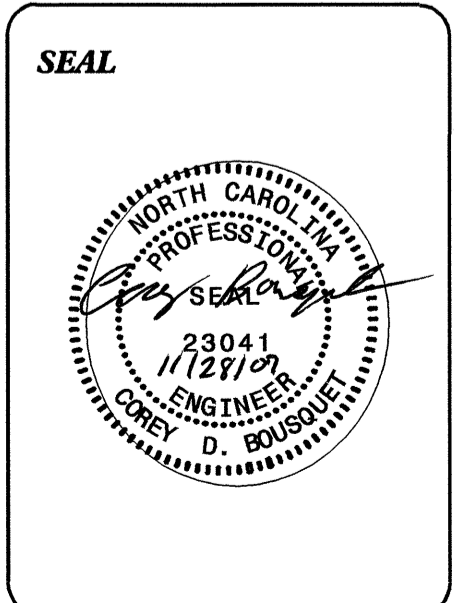
THE CONTRACTOR SHALL COORDINATE ALL WORK WITH
THE OWNER (NORTHAMPTON COUNTY PUBLIC WORKS). ALL THE
CONNECTIONS TO EXISTING WATER AND SEWER LINES SHALL
BE DONE AT A TIME MOST CONVENIENT TO THE OWNER.



INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
UC-1	TITLE SHEET
UC-2	UTILITY CONSTRUCTION PLAN SHEET
UC-3	PROFILE SHEET
UC-4	DETAILS SHEET

WATER AND SEWER OWNERS ON PROJECT

(1) WATER: NORTHAMPTON COUNTY PUBLIC WORKS
(2) SANITARY SEWER: NORTHAMPTON COUNTY PUBLIC WORKS

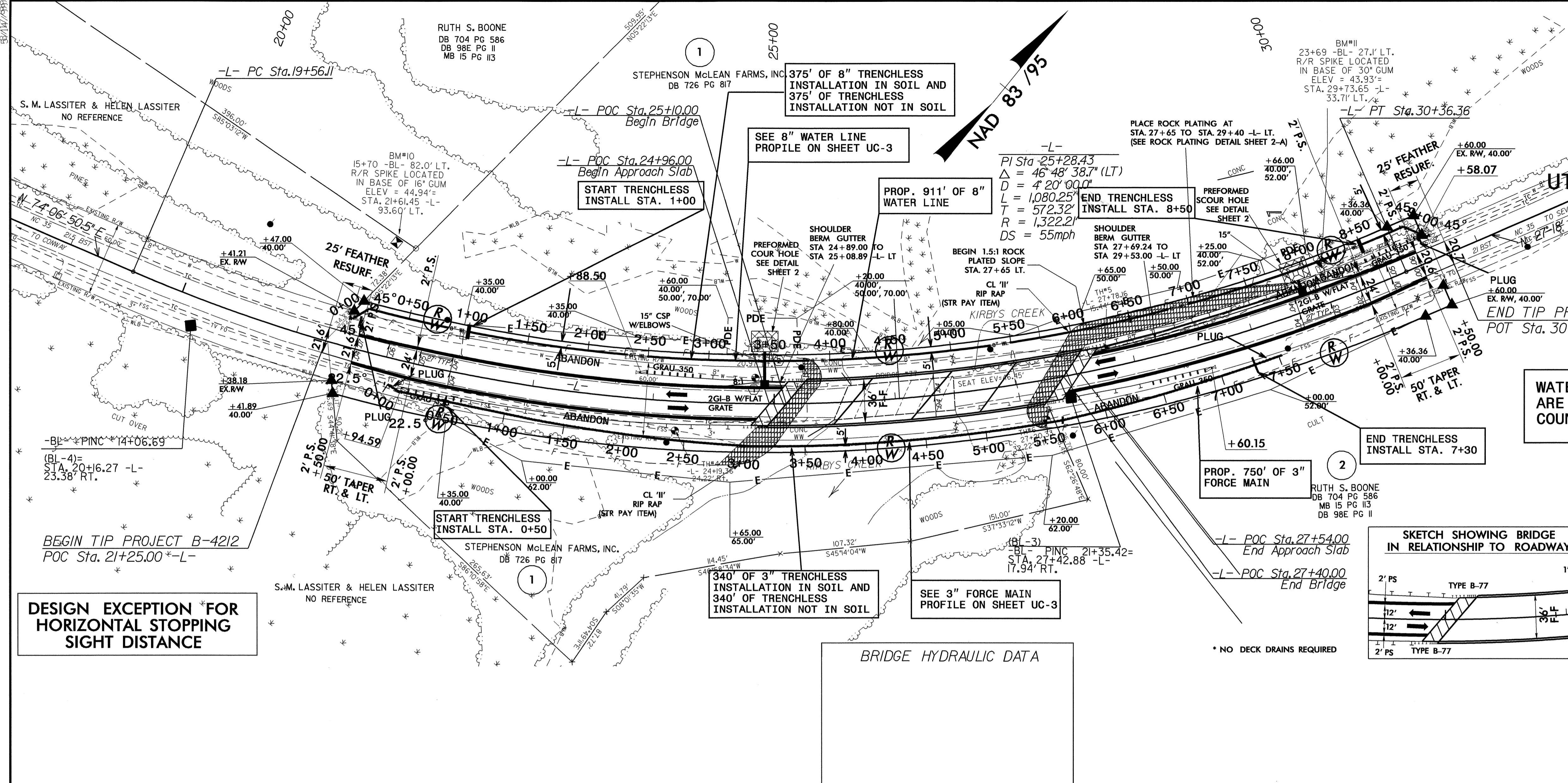
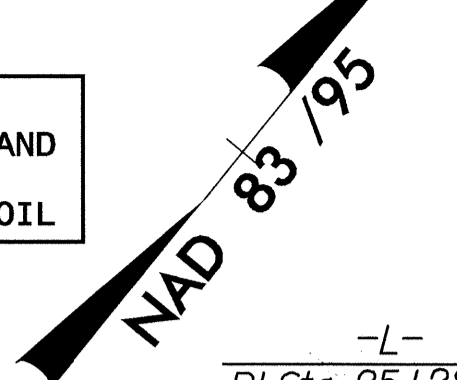


PREPARED IN THE OFFICE OF:
DIVISION OF HIGHWAYS
PROJECT SERVICES
UTILITY SECTION

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
Kifah Kamil UTILITIES PROJECT DESIGNER

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\$\$\$\$\$USERNAME\$\$\$\$\$



DESIGN EXCEPTION FOR HORIZONTAL STOPPING SIGHT DISTANCE

340' OF 3" TRENCHLESS INSTALLATION IN SOIL AND 340' OF TRENCHLESS INSTALLATION NOT IN SOIL

SEE 8" WATER LINE PROFILE ON SHEET UC-3

PROP. 911' OF 8" WATER LINE

START TRENCHLESS INSTALL STA. 1+00

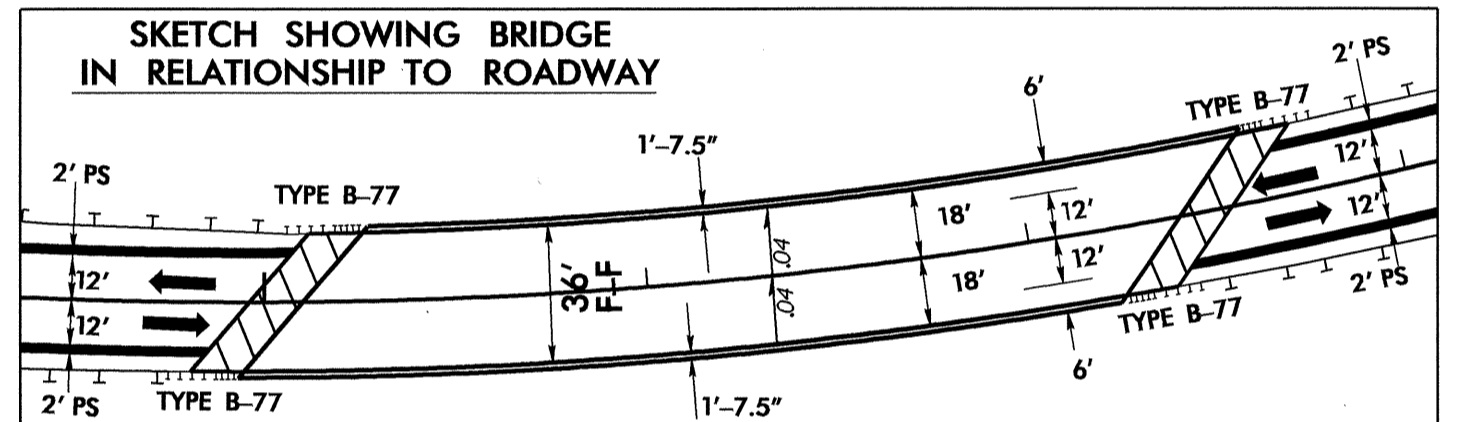
START TRENCHLESS INSTALL STA. 0+50

SEE 3" FORCE MAIN PROFILE ON SHEET UC-3

END TRENCHLESS INSTALL STA. 7+30

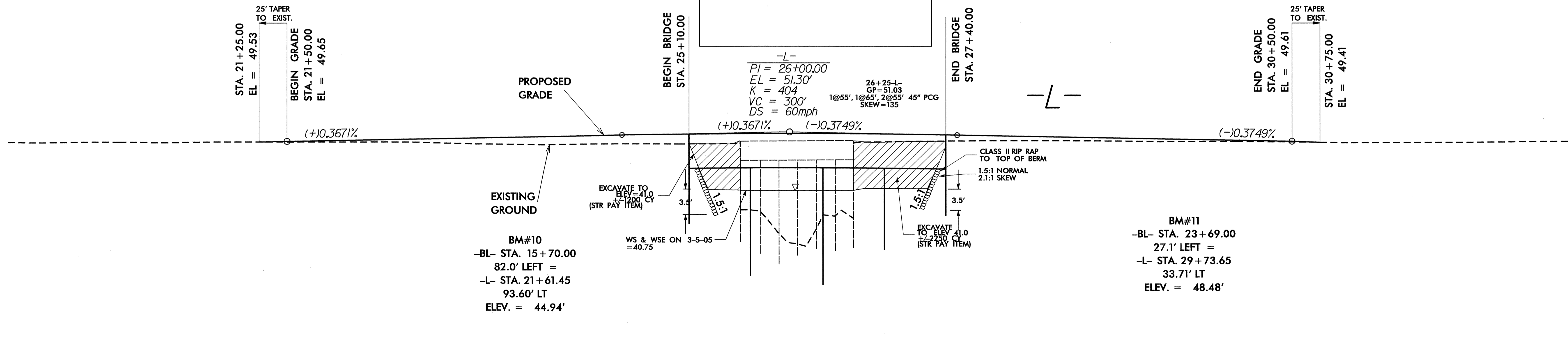
PROP. 750' OF 3" FORCE MAIN

WATER LINE AND FORCE MAIN ARE OWNED BY NORTHAMPTON COUNTY PUBLIC WORKS



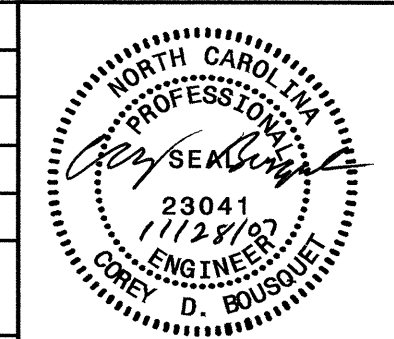
BRIDGE HYDRAULIC DATA

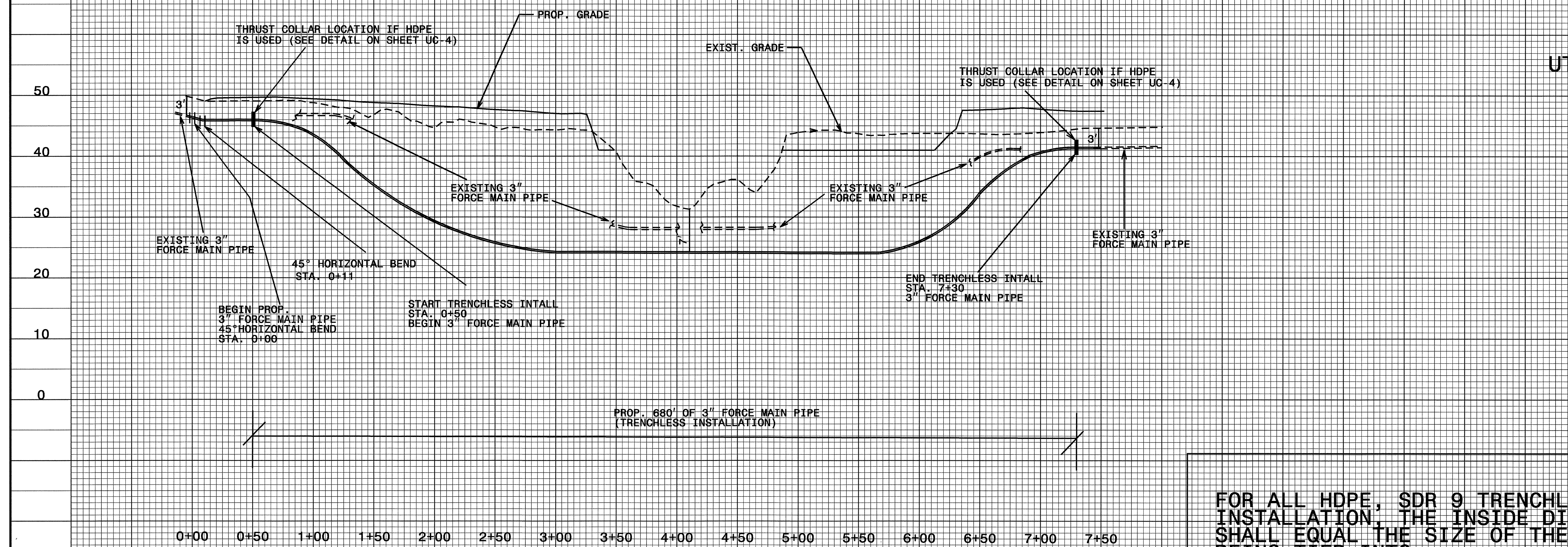
-L-
 PI = 26+00.00
 EL = 51.30'
 K = 404
 VC = 300'
 DS = 60mph
 26+25-L GP = 51.03
 1@55', 1@65', 2@55' 45" PCG
 SKEW = 135



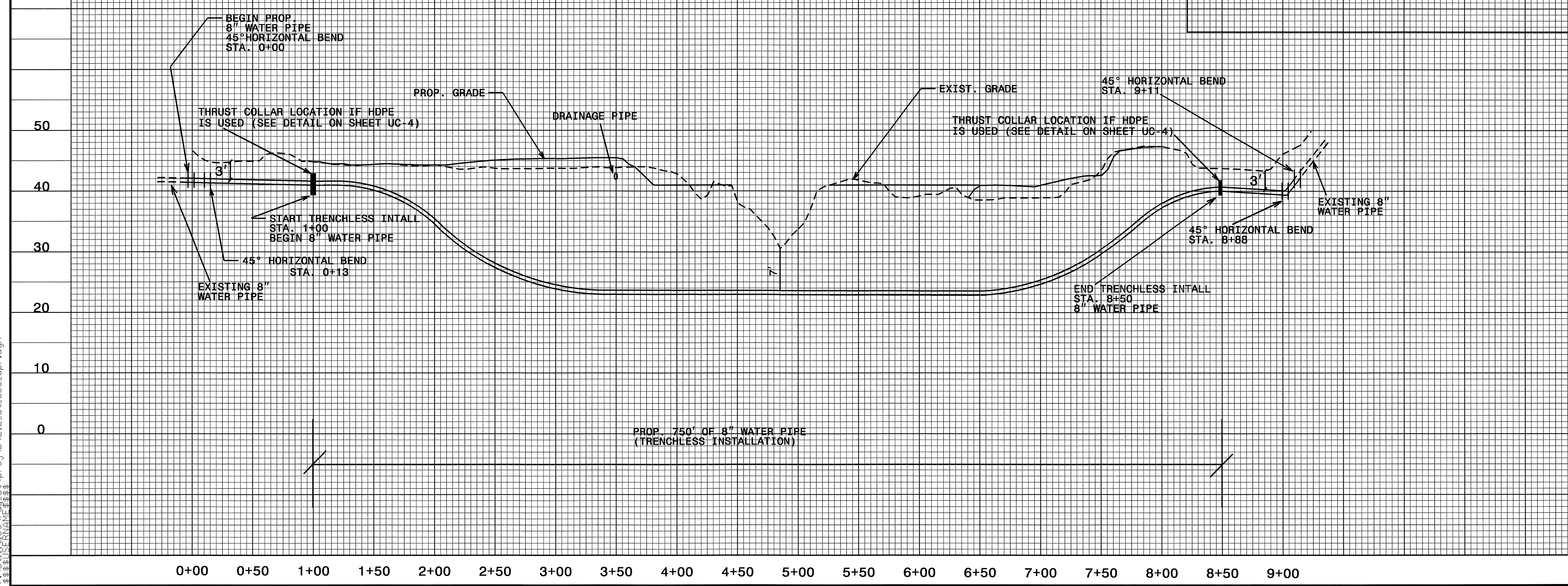
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5/14/99

PROJECT REFERENCE NO. B-4212	SHEET NO. UC-3
DESIGNED BY: KAK	
DRAWN BY: KAK	
CHECKED BY: CDB	
APPROVED BY: CDB	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
PROJECT SERVICES UNIT PHONE: (919) 250-4128 FAX: (919) 250-4119	
UTILITY CONSTRUCTION PLANS ONLY	

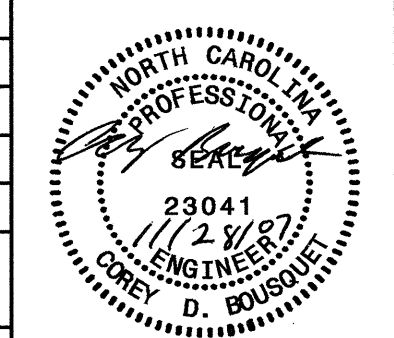


FOR ALL HDPE, SDR 9 TRENCHLESS INSTALLATION, THE INSIDE DIAMETER SHALL EQUAL THE SIZE OF THE PIPE BEING TIED INTO

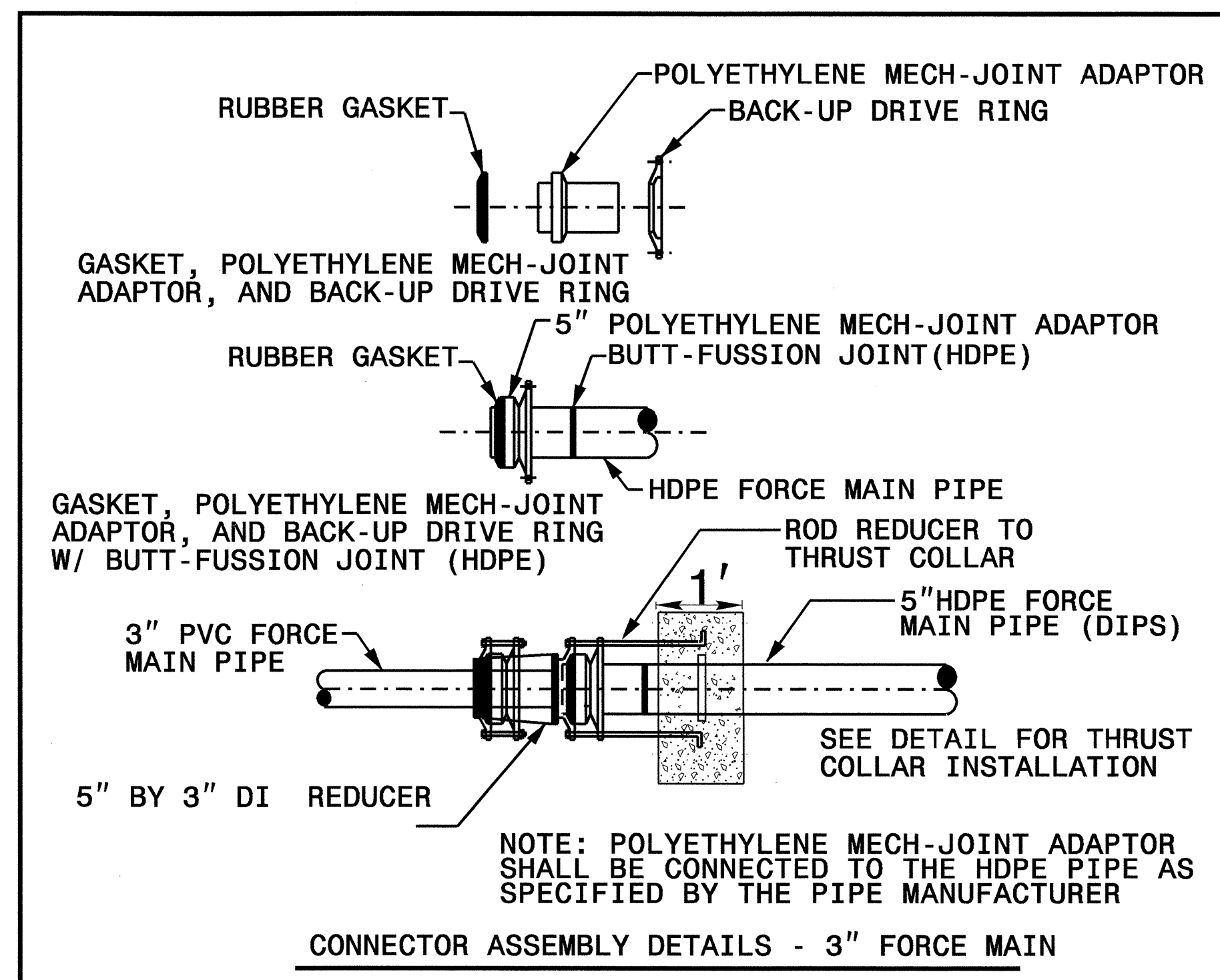
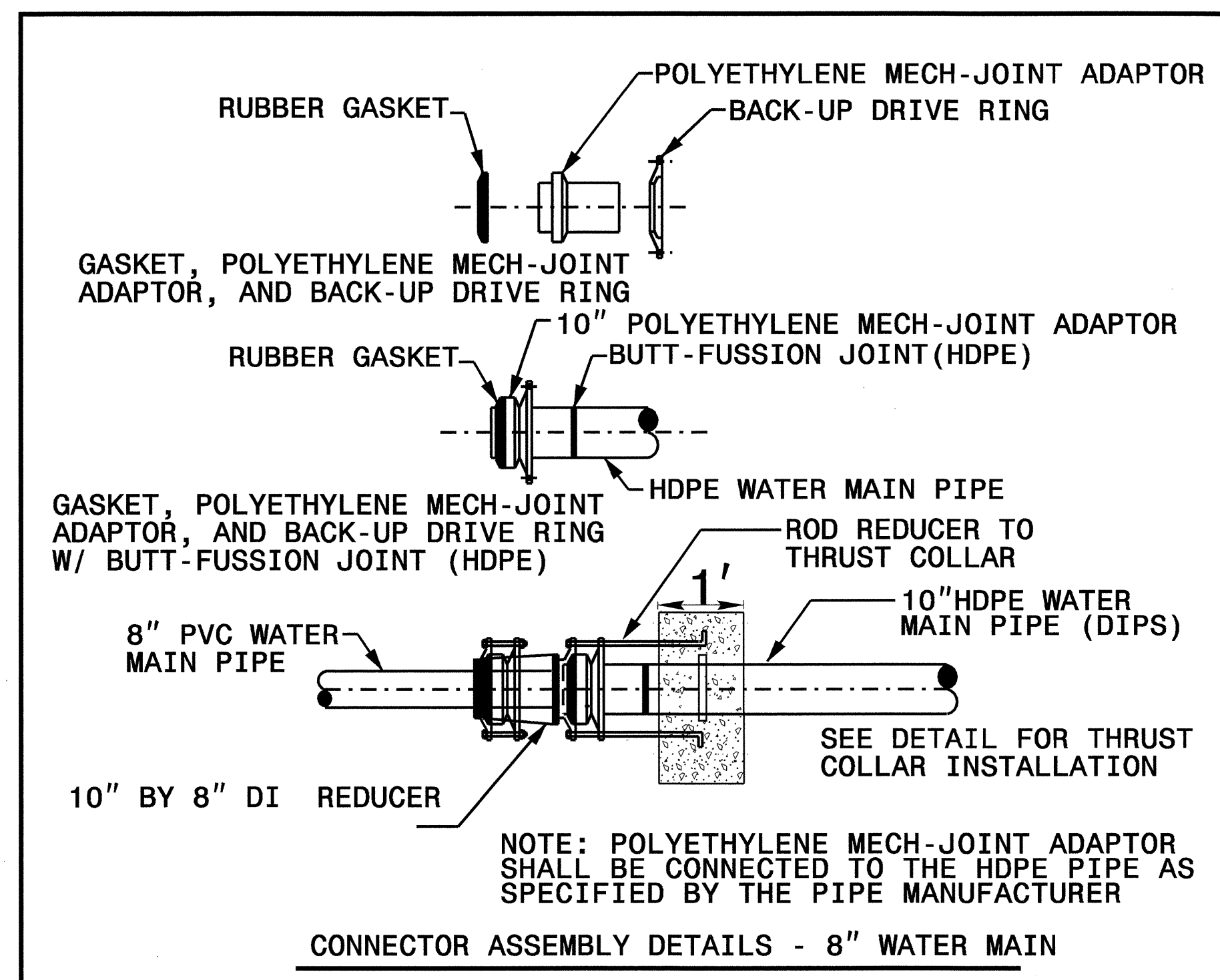


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DETAIL FOR HDPE TRENCHLESS INSTALLATION AND PVC BEDDING DETAIL

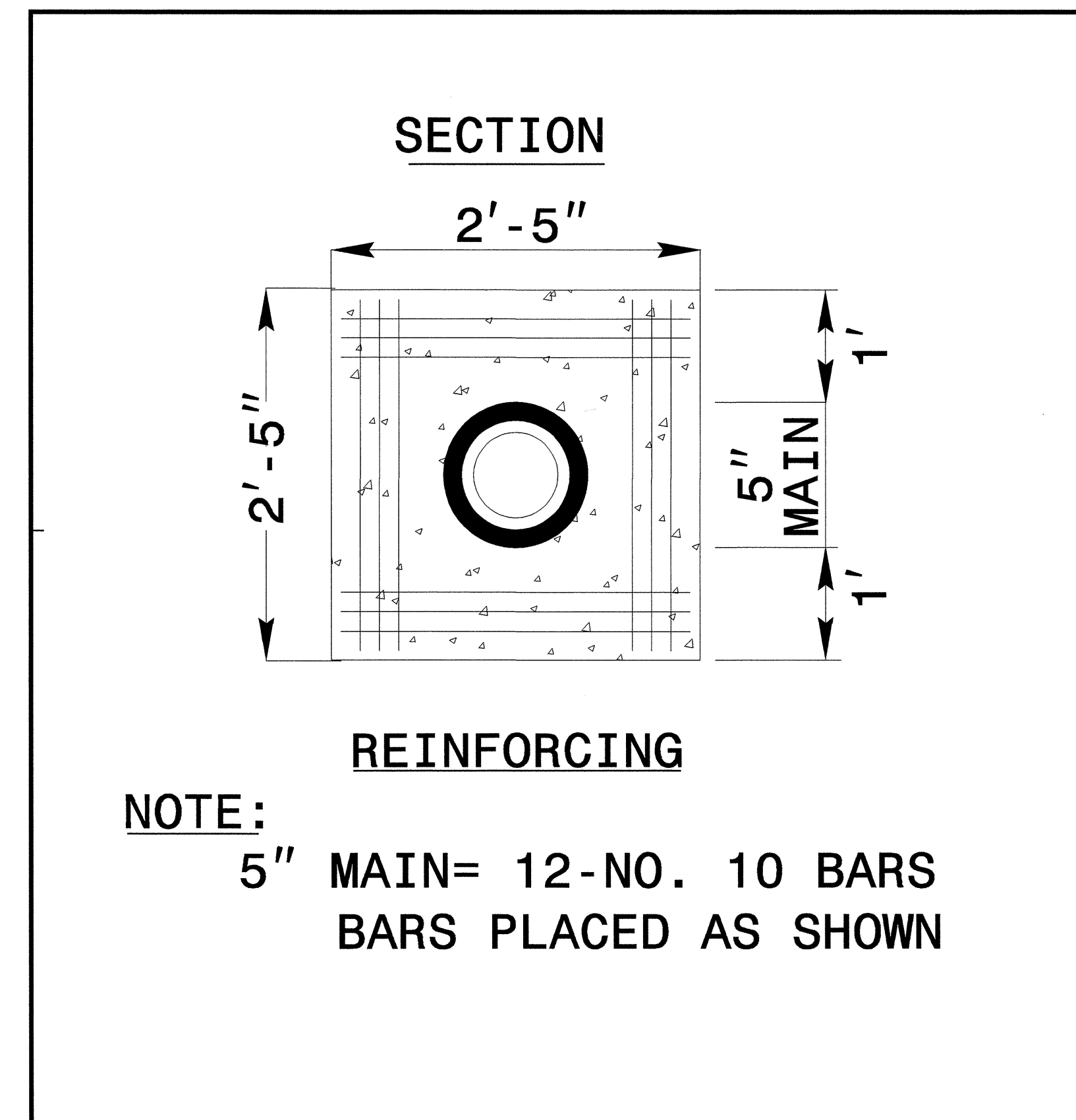
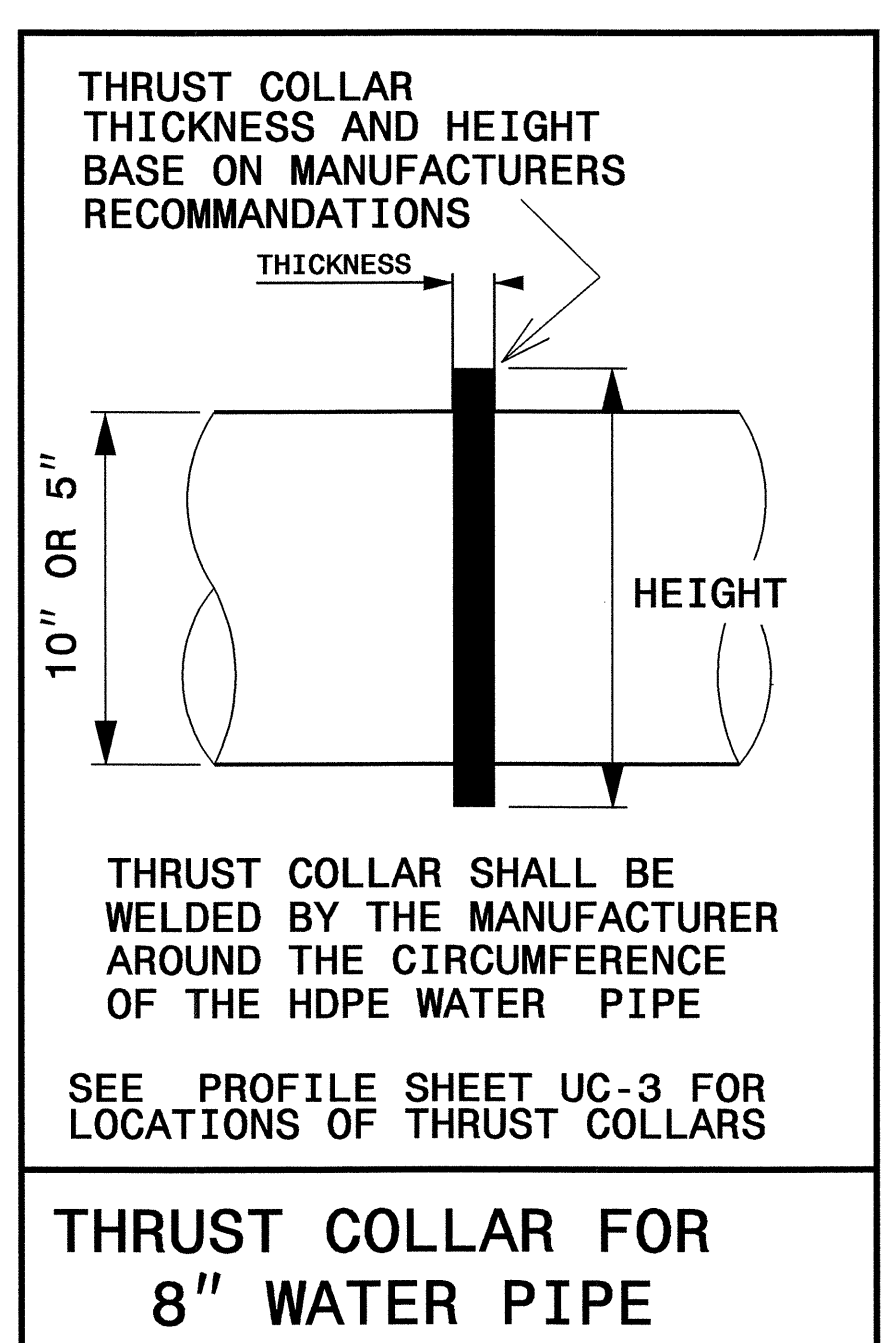
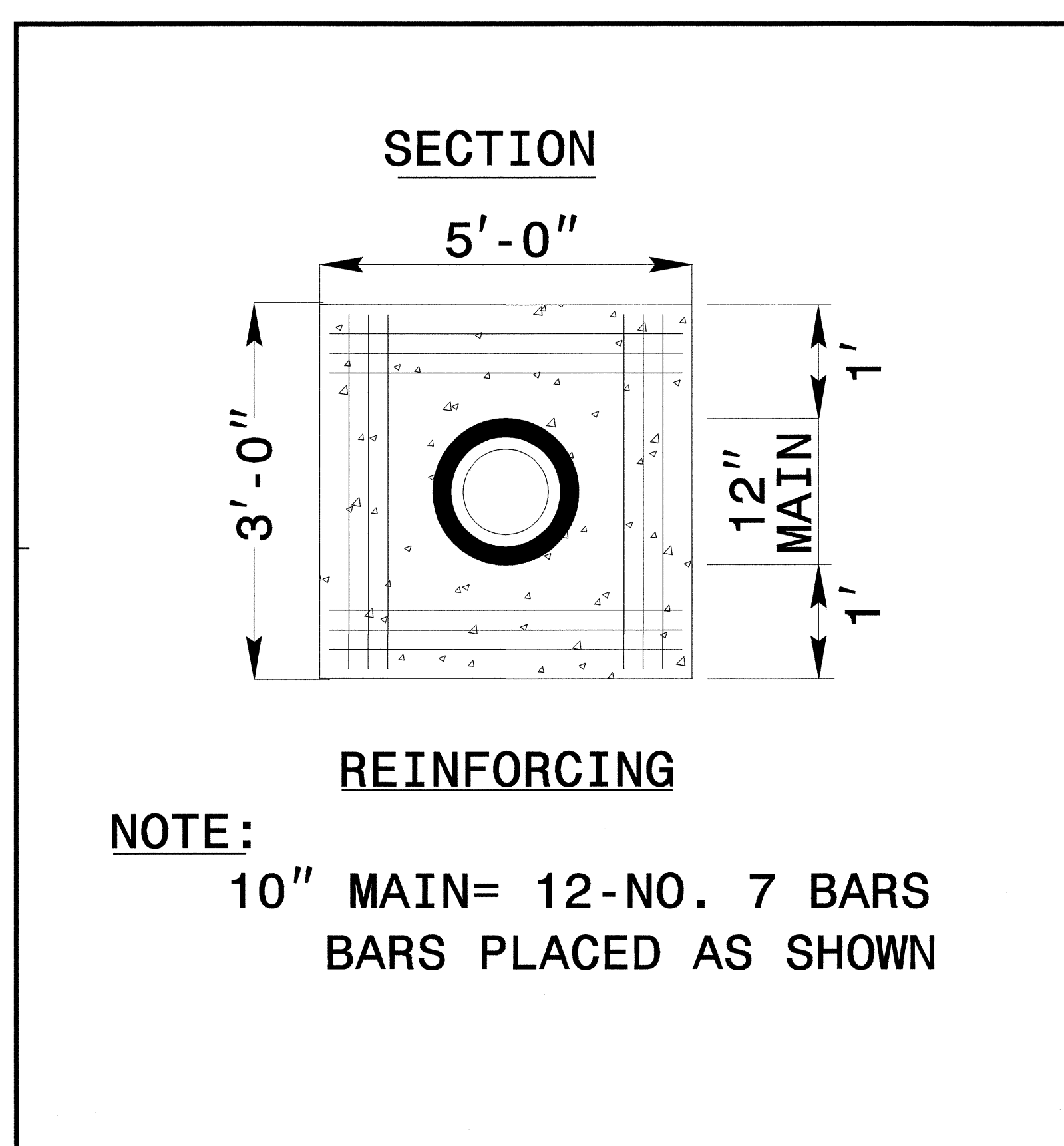
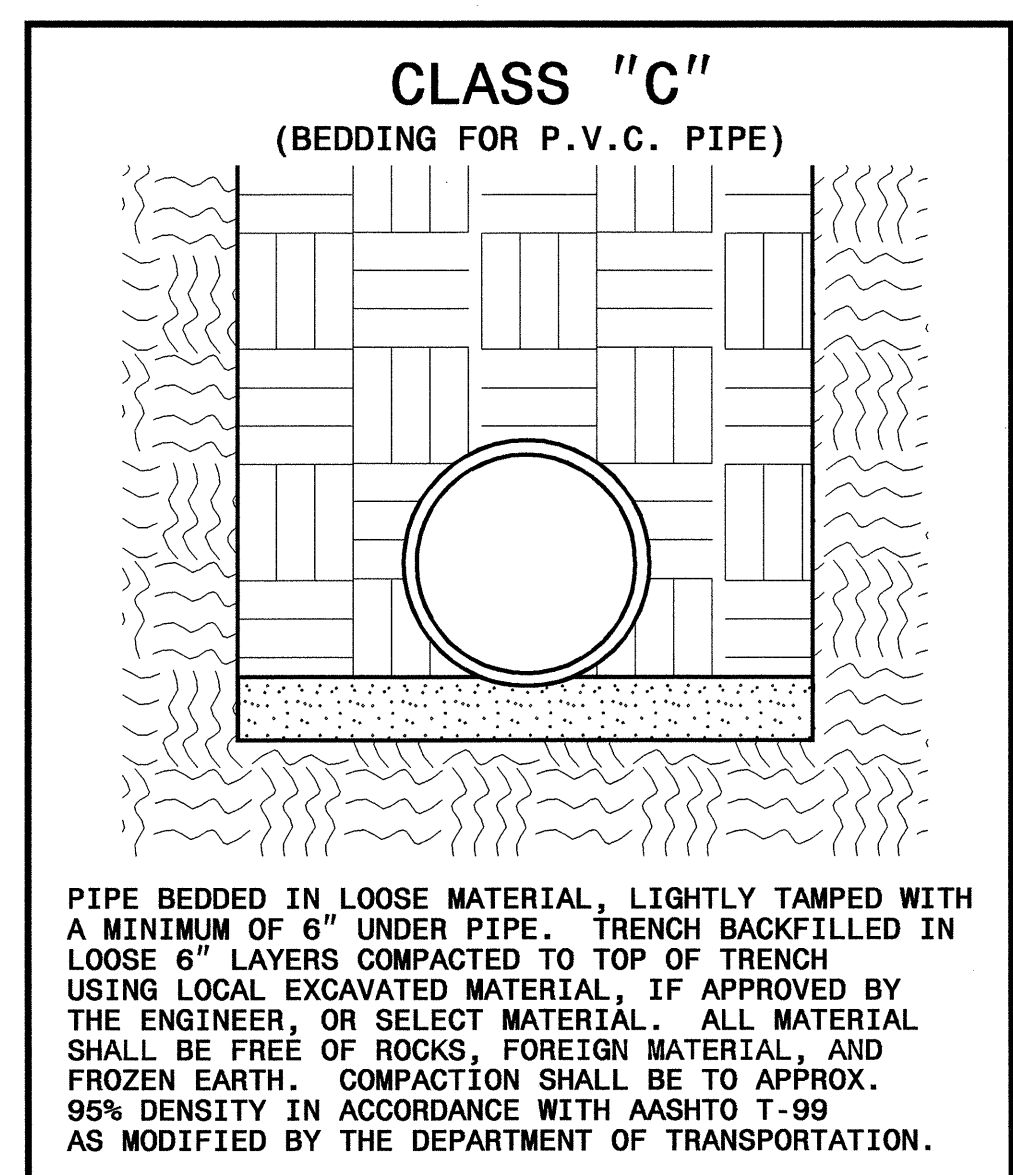
PROJECT REFERENCE NO. B-4212	SHEET NO. UC-4
DESIGNED BY: KAK	
DRAWN BY: KAK	
CHECKED BY: CDB	
APPROVED BY: CDB	
REVISED:	
	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DESIGN SERVICES UNIT PHONE: (919) 250-4128 FAX: (919) 250-4119	
UTILITY CONSTRUCTION PLANS ONLY	

UTILITY CONSTRUCTION

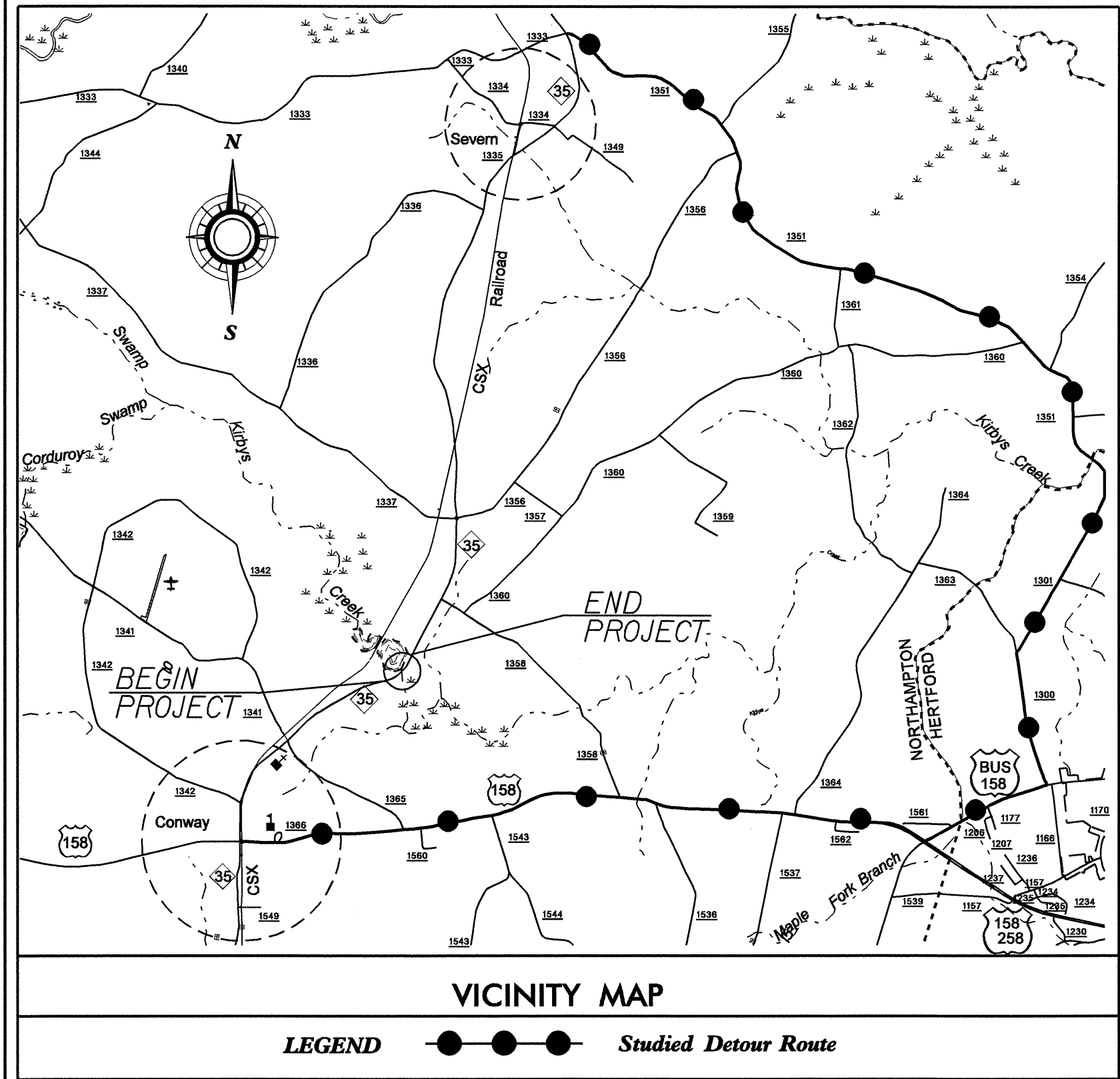


MAXIMUM TRENCH WIDTH
AT TOP OF PIPE

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		



TIP PROJECT: B-4212



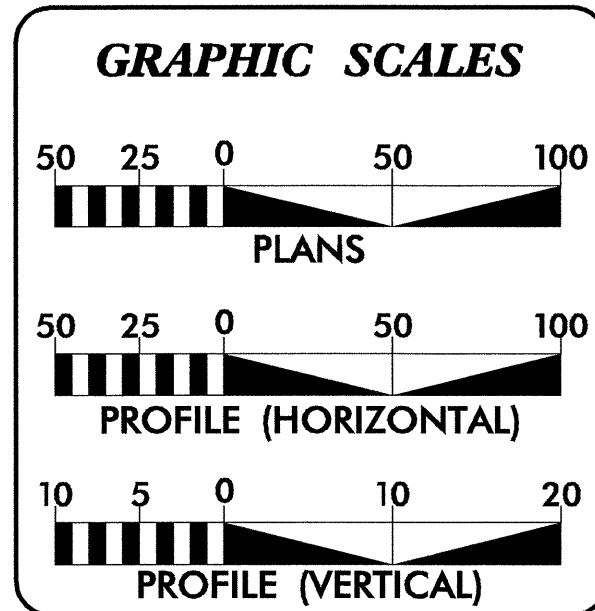
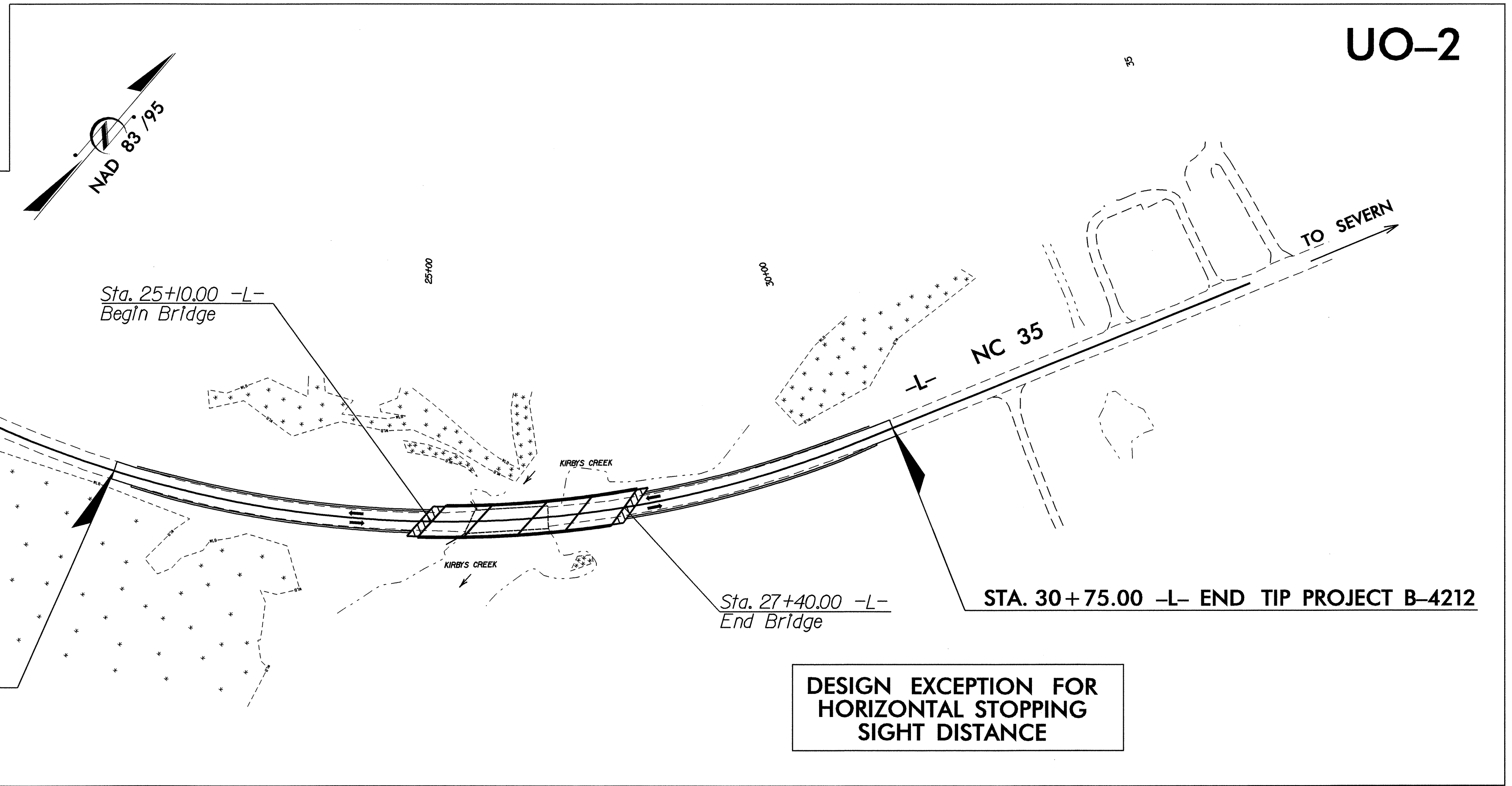
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

T.I.P. NO.	SHEET NO.
B-4212	UO-1

**UTILITIES BY OTHERS PLANS
NORTHAMPTON COUNTY**

LOCATION: BRIDGE NO. 77 OVER KIRBY'S CREEK ON NC 35

TYPE OF WORK: UTILITIES RELOCATION



INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
UO-1	TITLE SHEET
UO-2	UTILITIES BY OTHERS PLAN SHEET

UTILITIES OWNERS ON PROJECT
(1) EMBARQ
(2) MEDIACOM
(3) DOMINION NC POWER

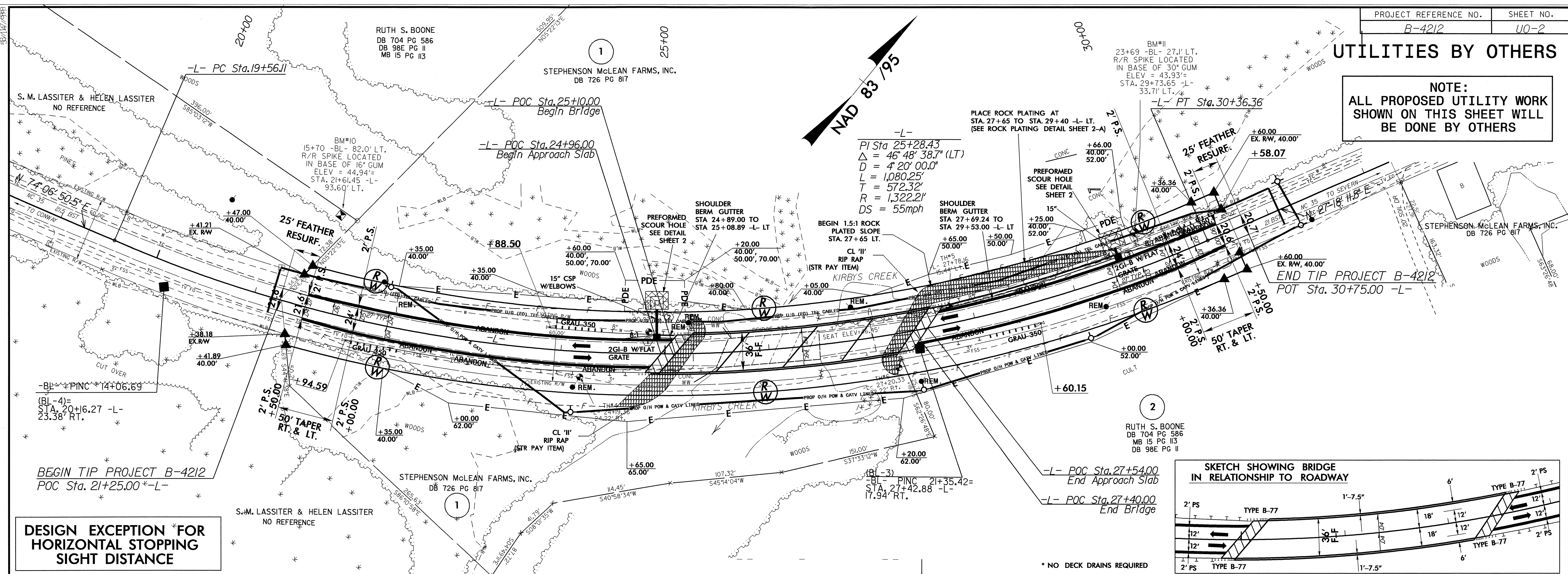
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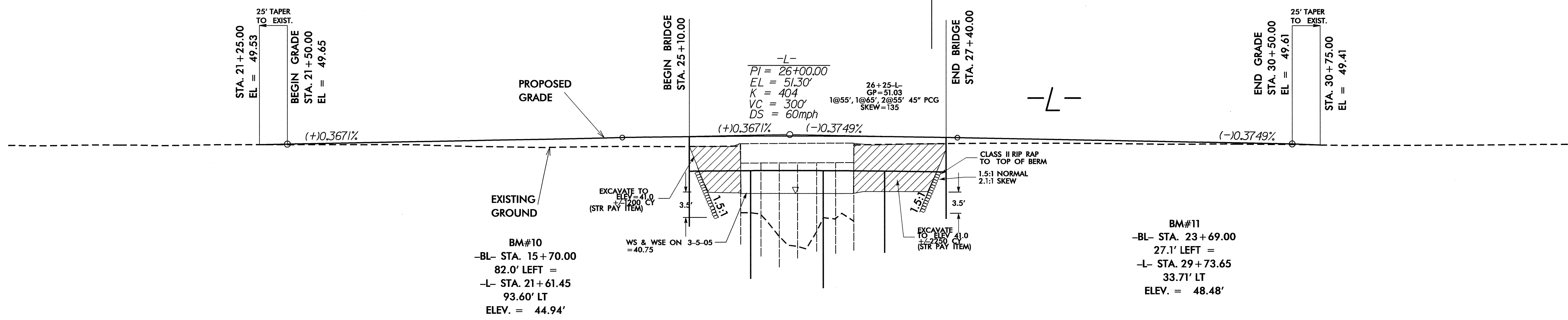
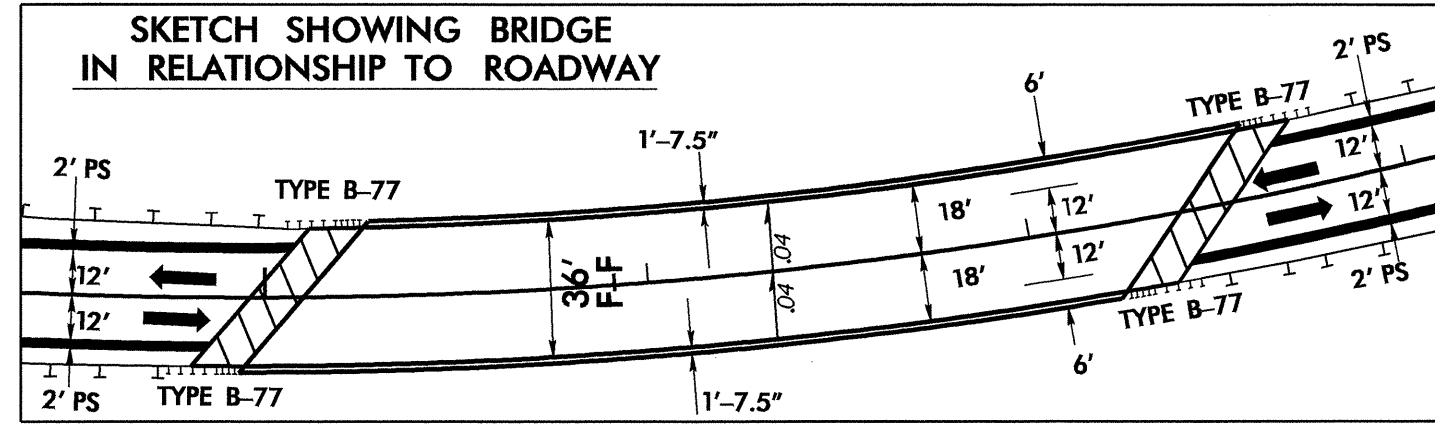
<u>Roger Worthington, P.E.</u>	UTILITIES SECTION ENGINEER
<u>Corey Bousquet, P.E.</u>	UTILITIES SQUAD LEADER PROJECT ENGINEER
<u>Kifah Kamil</u>	UTILITIES PROJECT DESIGNER

UTILITIES BY OTHERS

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



DESIGN EXCEPTION FOR HORIZONTAL STOPPING SIGHT DISTANCE



BM#10
-BL- STA. 15+70.00
82.0' LEFT =
-L- STA. 21+61.45
93.60' LT
ELEV. = 44.94'

BM#11
-BL- STA. 23+69.00
27.1' LEFT =
-L- STA. 29+73.65
33.71' LT
ELEV. = 48.48'

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