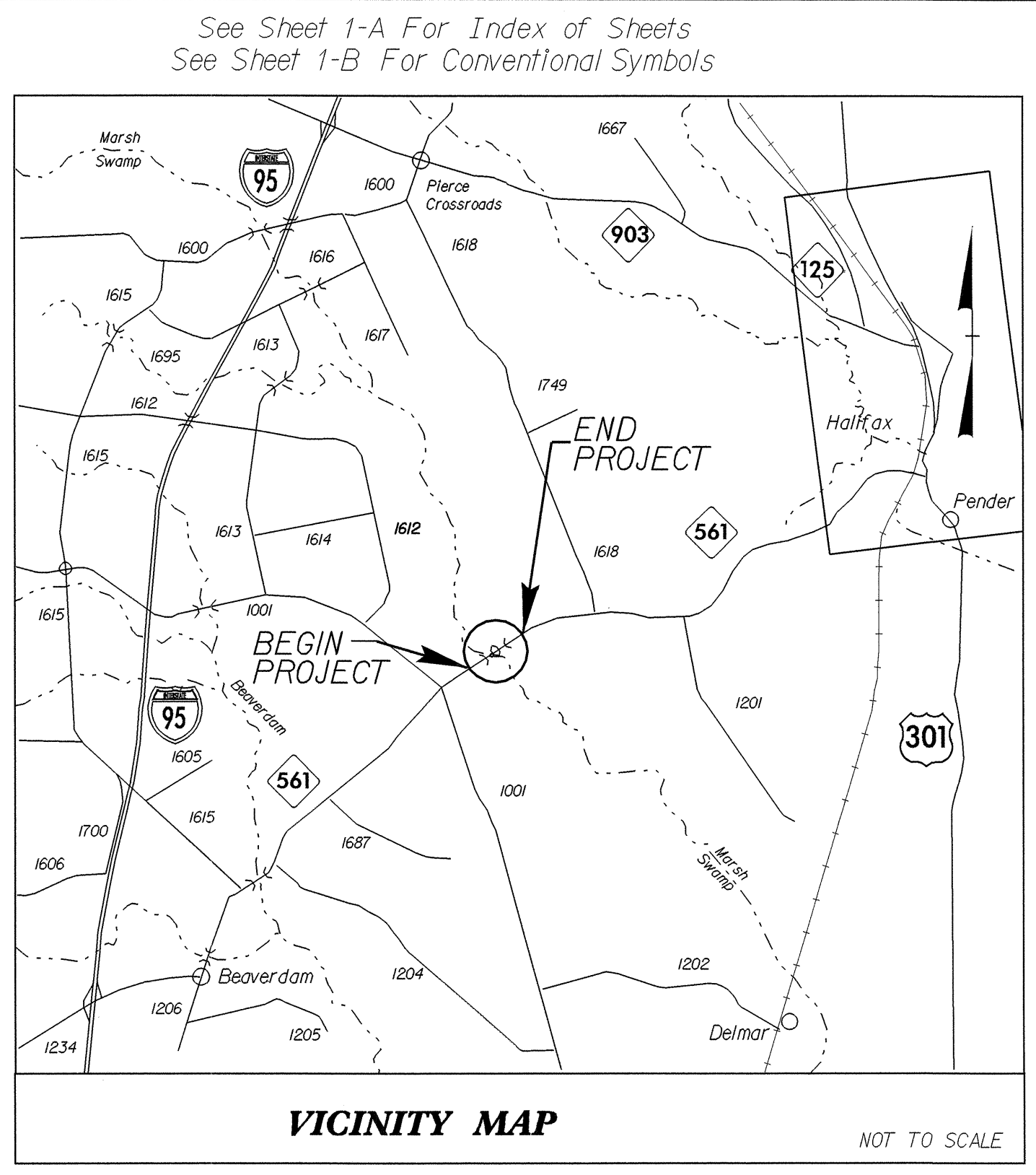
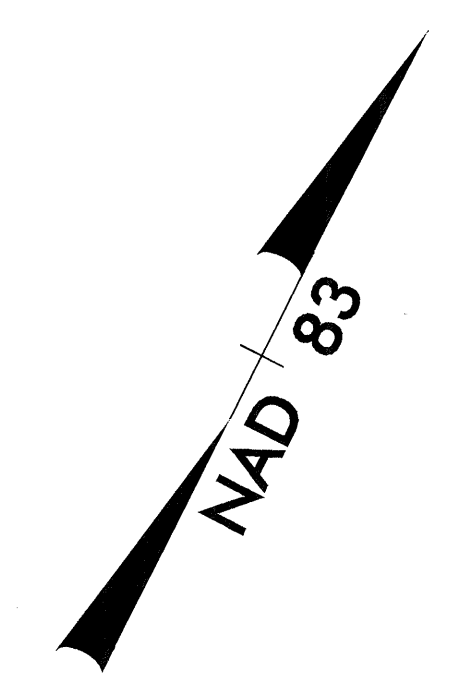


STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

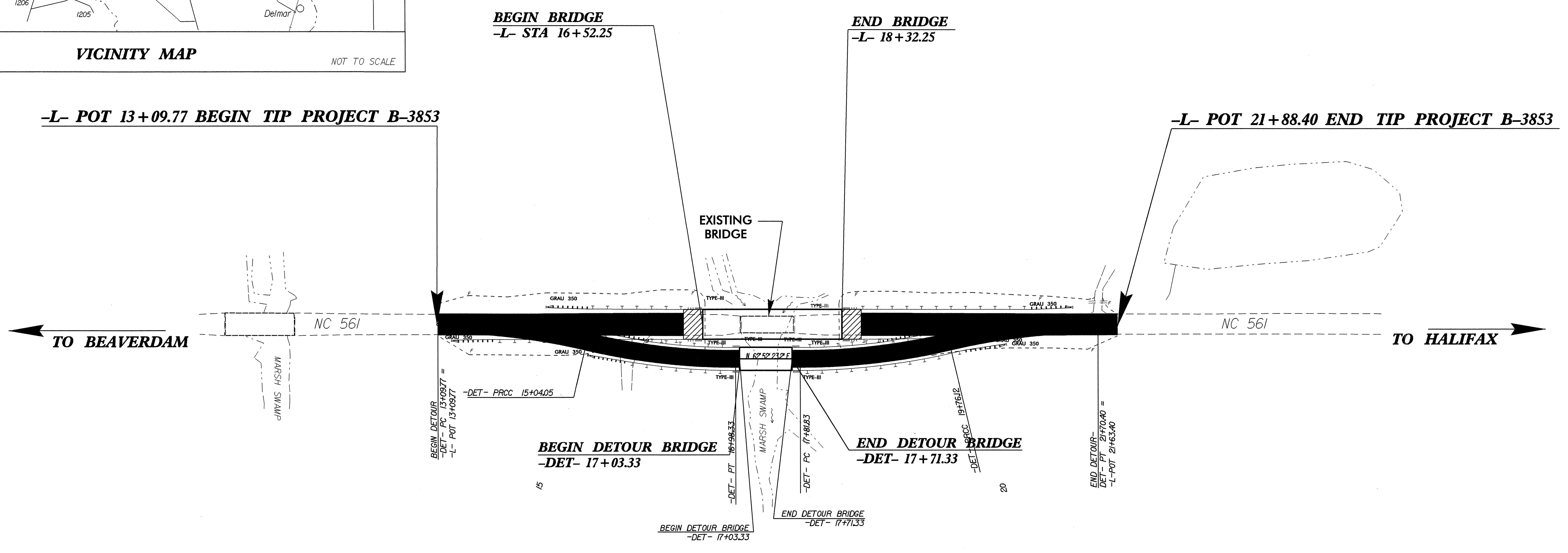
**UTILITY CONSTRUCTION PLANS
HALIFAX COUNTY**

**LOCATION: BRIDGE NO. 62 OVER MARSH SWAMP AND
APPROACHES ON NC 561**

TYPE OF WORK: UTILITIES

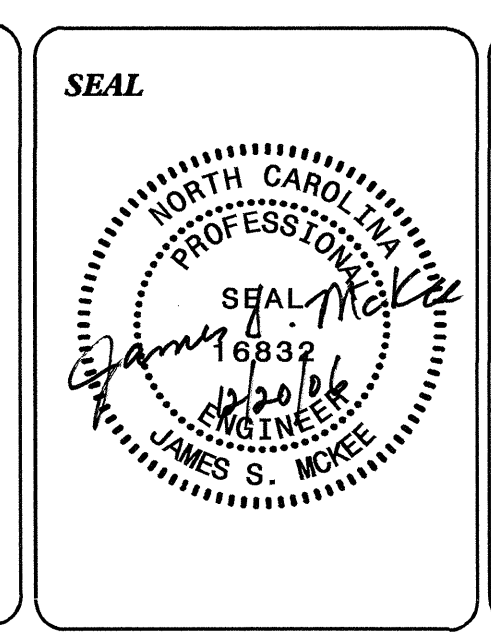


TIP B-3853



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

WATER AND SEWER OWNERS ON PROJECT
(1) HALIFAX COUNTY

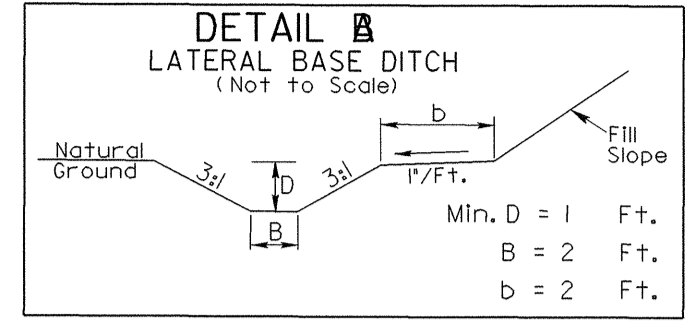


PREPARED IN THE OFFICE OF:
**DIVISION OF HIGHWAYS
PROJECT SERVICES
UTILITY SECTION**

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

Roger Worthington, P.E. UTILITIES SECTION ENGINEER
Steve McKee, P.E. UTILITIES SQUAD LEADER PROJECT ENGINEER
Alonza Yancey UTILITIES PROJECT DESIGNER

NOTE: ALL WATER LINES OWNED BY HALIFAX COUNTY



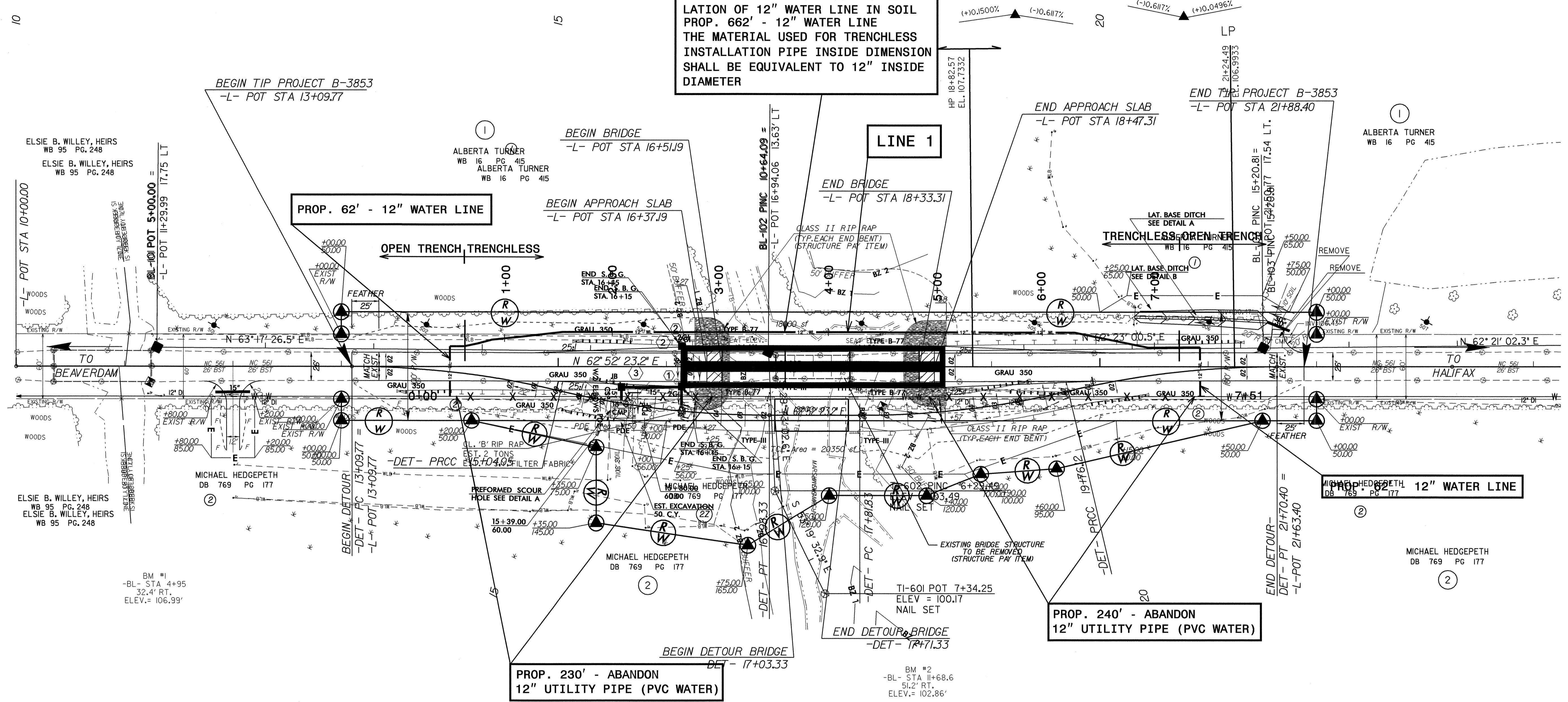
-L- STA. 20+32 TO 34+55 LT
 EST. DDE A 49+24 TO 21+55 LT
 EST. FF = 175 SY

PROP. 662' - TRENCHLESS INSTALLATION OF 12" WATER LINE IN SOIL
PROP. 662' - 12" WATER LINE
THE MATERIAL USED FOR TRENCHLESS INSTALLATION PIPE INSIDE DIMENSION SHALL BE EQUIVALENT TO 12" INSIDE DIAMETER

PI = 19+25.00
 EL = 107.8175

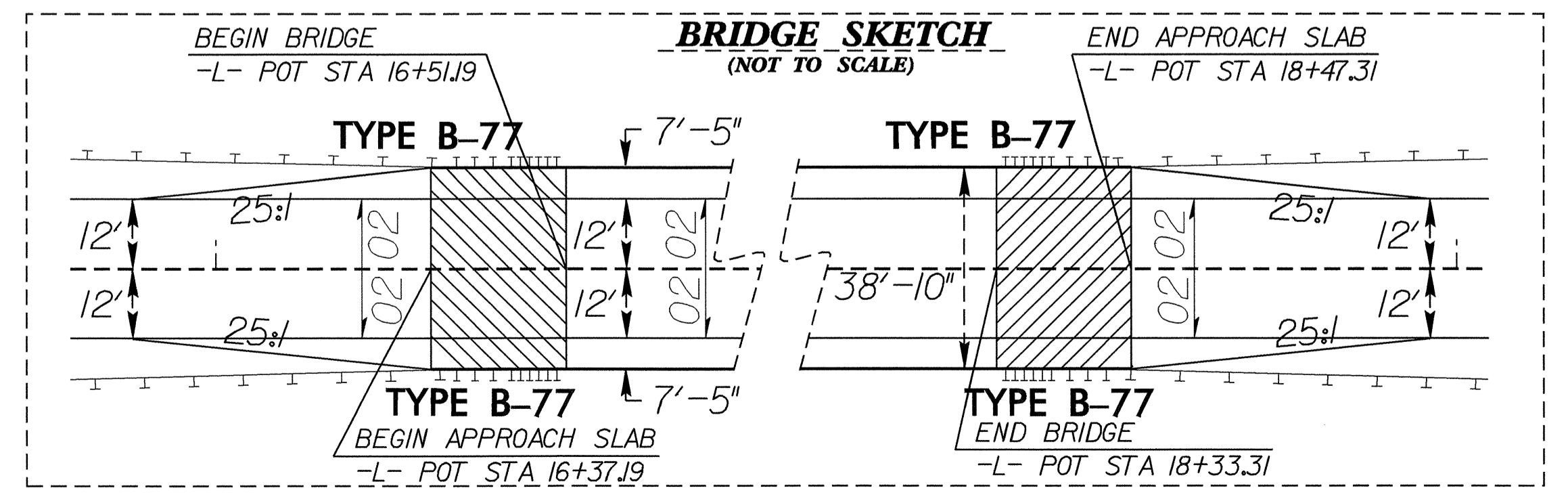
PI = 20+65.00
 EL = 106.9612

(+10.1500%) (-10.617%) (-10.617%) (+10.0496%)



DETOUR ROAD CURVE DATA-

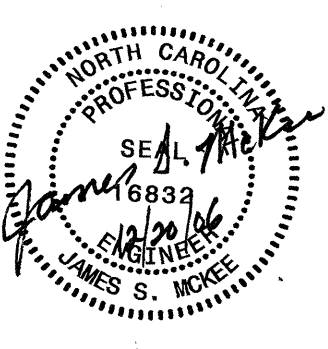
PI Sta 14+07.35 Δ = 13° 19' 51.7" (RT) D = 6° 51' 42.4" L = 194.28' T = 97.58' R = 835.00' V = 45 MPH a = SFF PI ANSHEET	PI Sta 16+01.63 Δ = 13° 19' 51.7" (LT) D = 6° 51' 42.4" L = 194.28' T = 97.58' R = 835.00' V = 45 MPH a = SFF PI ANSHEET	PI Sta 18+79.42 Δ = 13° 19' 51.8" (LT) D = 6° 51' 42.4" L = 194.28' T = 97.58' R = 835.00' V = 45 MPH a = SFF PI ANSHEET	PI Sta 20+73.70 Δ = 13° 19' 51.8" (RT) D = 6° 51' 42.4" L = 194.28' T = 97.58' R = 835.00' V = 45 MPH e = SEE PLANSHEET
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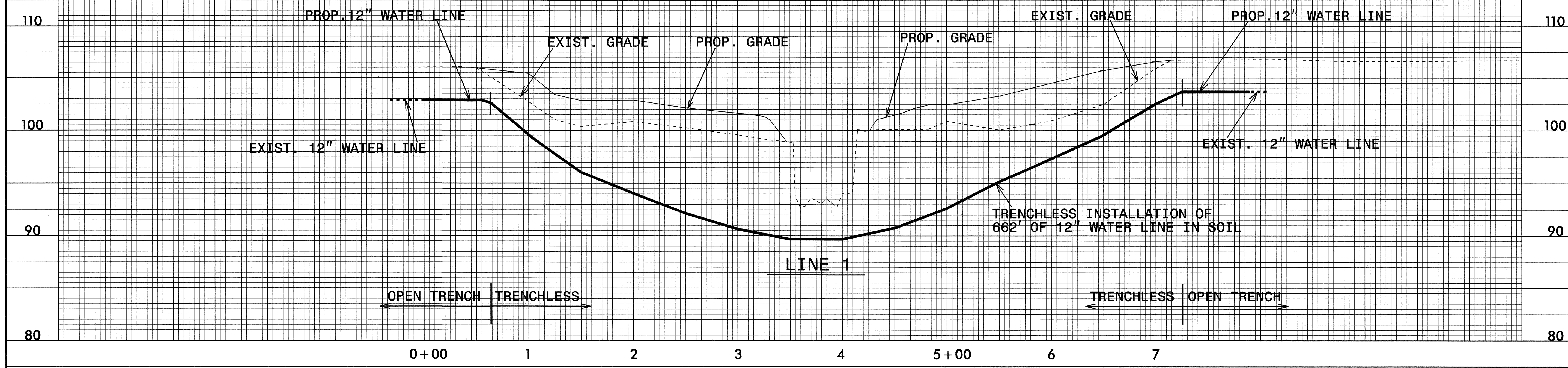
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5/28/99

PROJECT REFERENCE NO. **B-3853** SHEET NO. **UC-3**
 DESIGNED BY: **ABY**
 DRAWN BY: **ABY**
 CHECKED BY: **JSM**
 APPROVED BY: **JSM**
 REVISED:
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 PROJECT SERVICES UNIT
 PHONE: (919)250-4128
 FAX: (919)250-4119
 UTILITY CONSTRUCTION
 PLANS ONLY

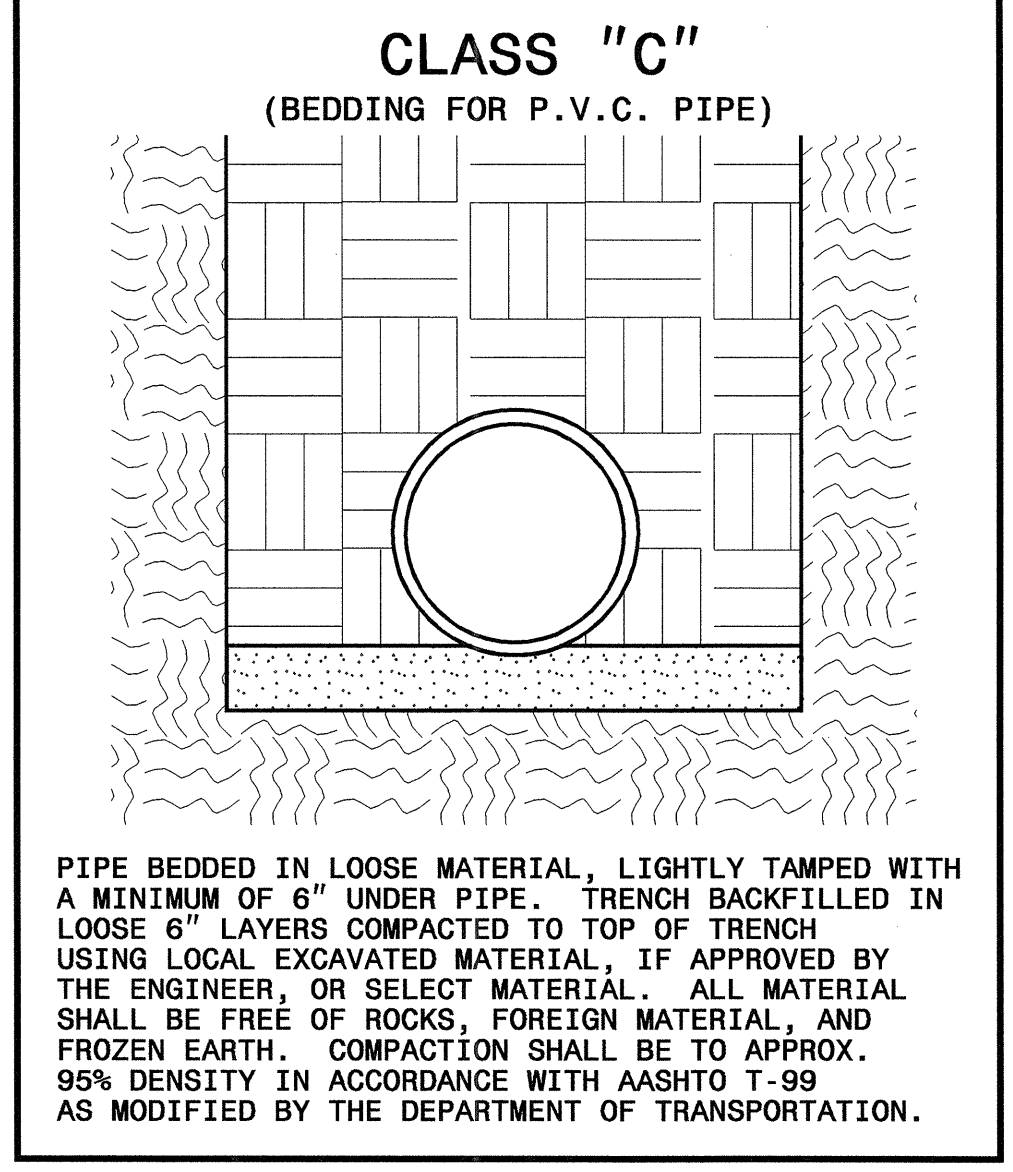
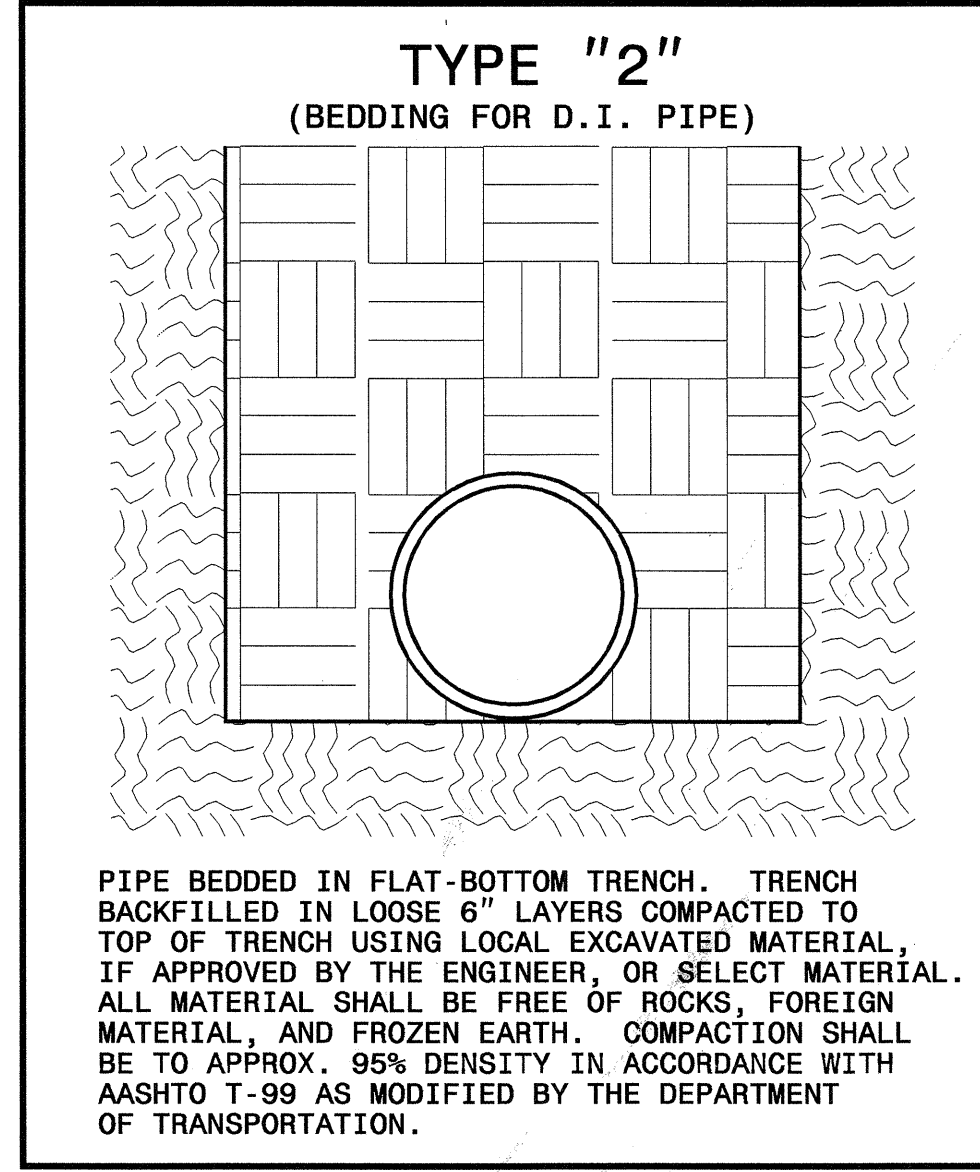


UTILITY CONSTRUCTION



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		



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