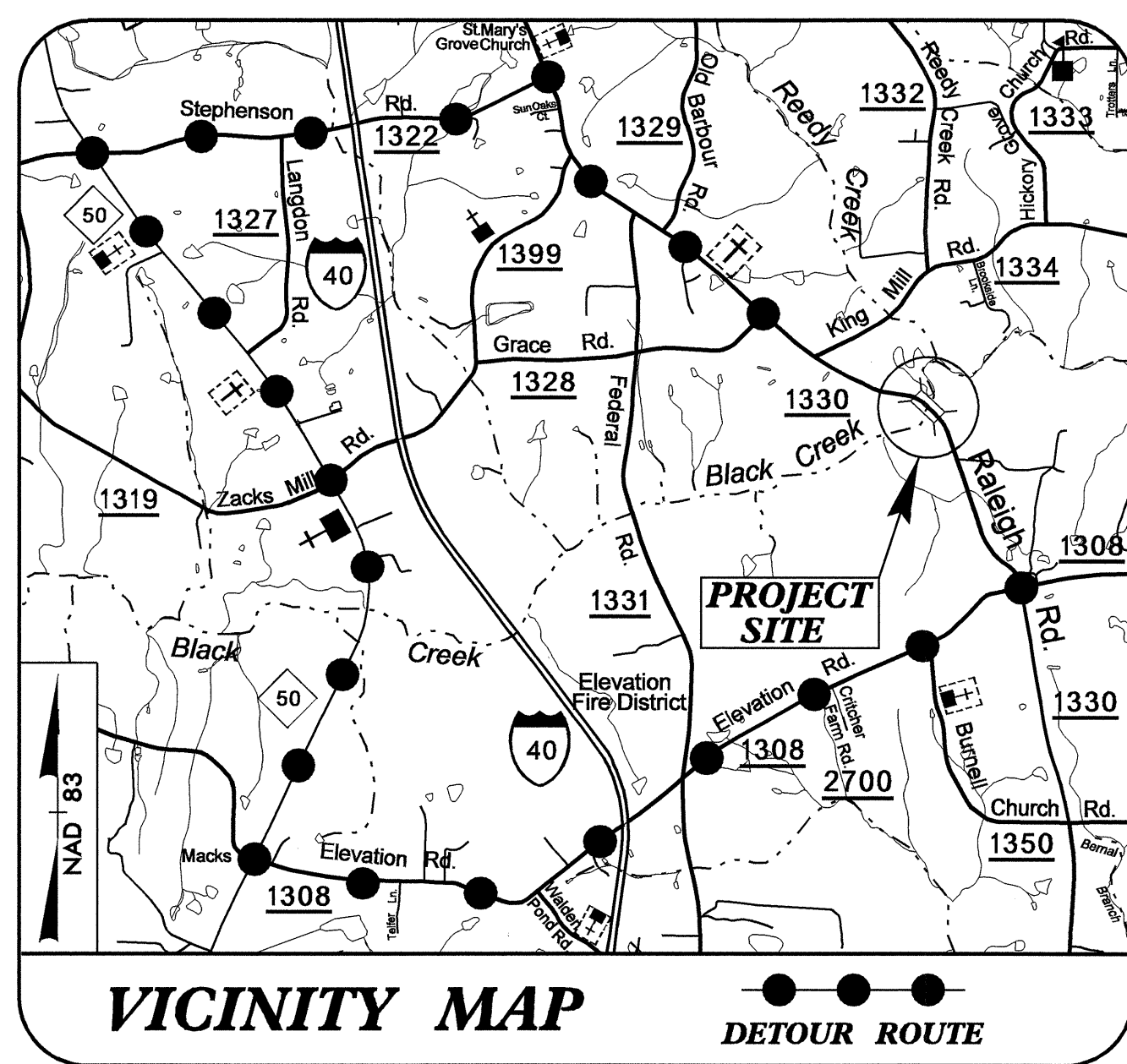


09/08/99

TIP PROJECT: B-4559



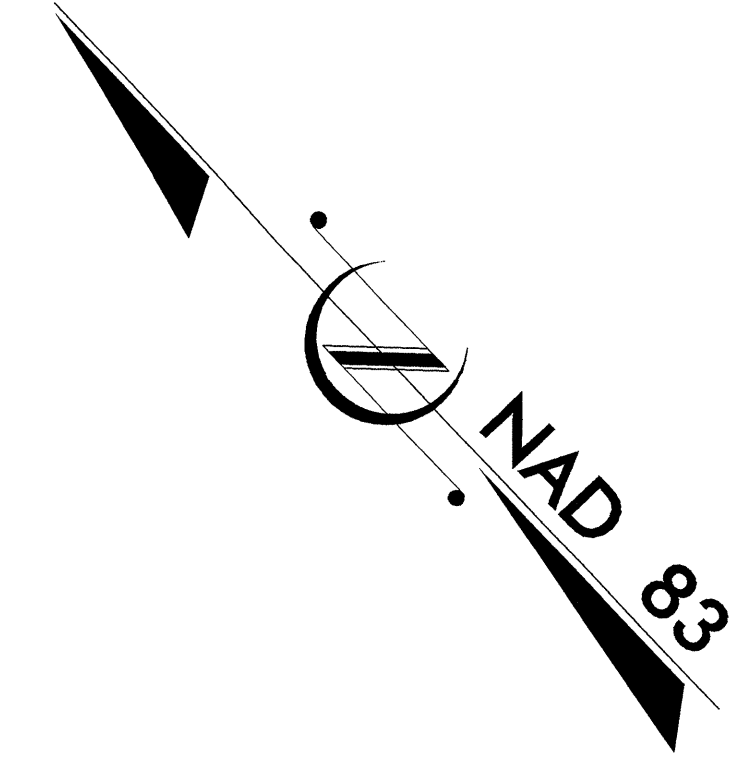
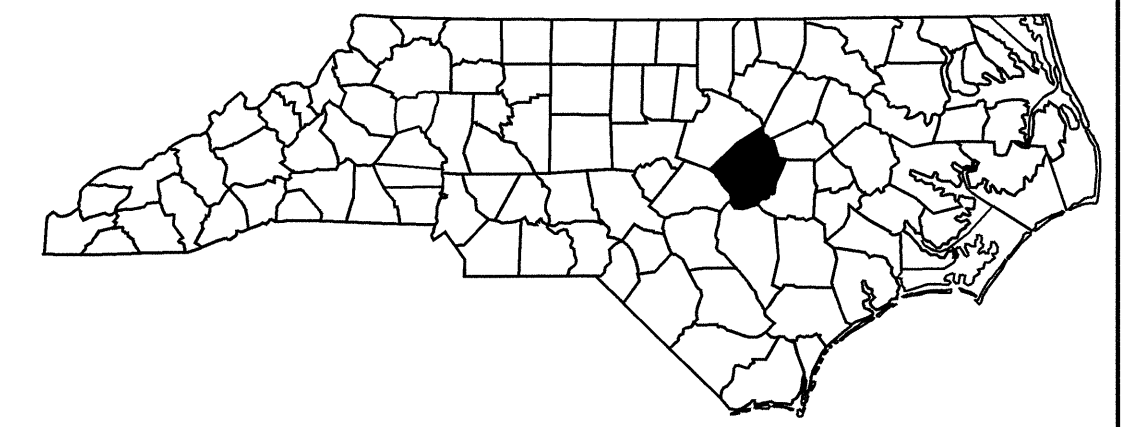
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

UTILITY CONSTRUCTION PLANS
JOHNSTON COUNTY

LOCATION: BRIDGE NO. 84 OVER BLACK CREEK
ON SR 1330 (RALEIGH ROAD)

TYPE OF WORK: UTILITY CONSTRUCTION

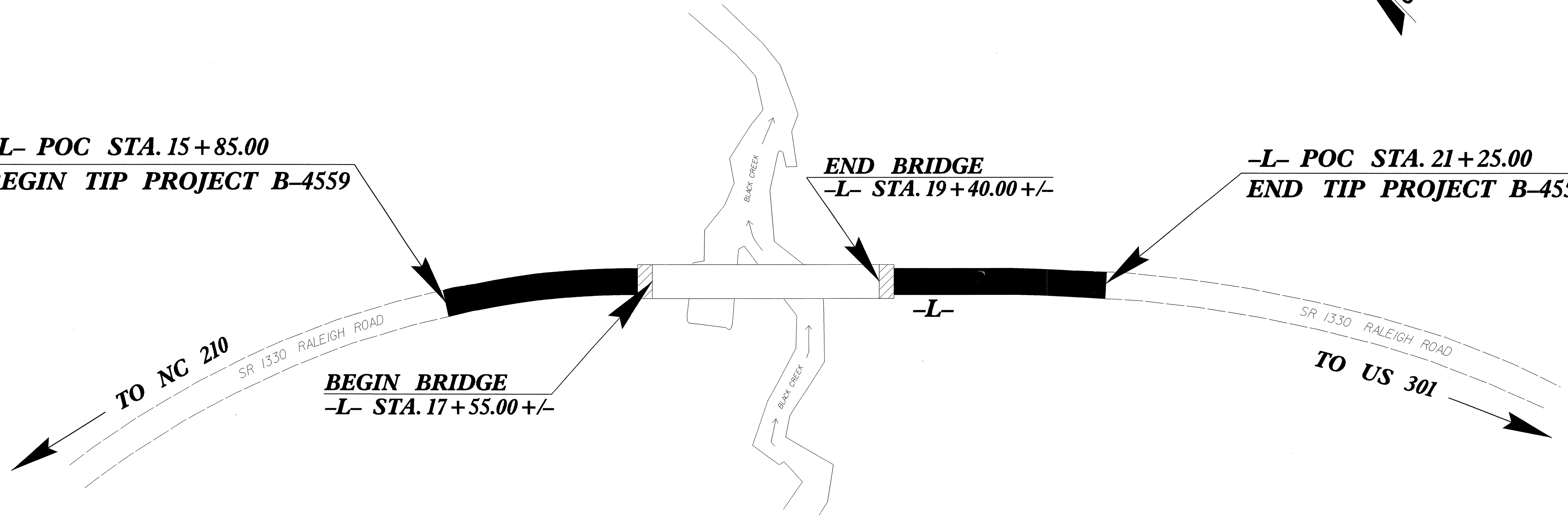
T.I.P. NO.	SHEET NO.
B-4559	UC-1



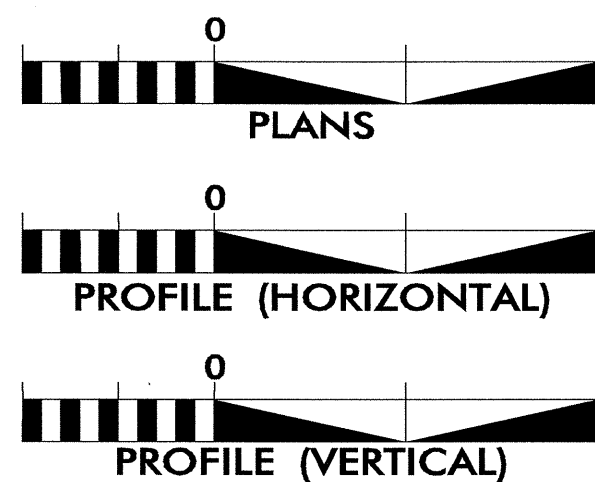
-L- POC STA. 15+85.00
BEGIN TIP PROJECT B-4559

END BRIDGE
-L- STA. 19+40.00 +/-

-L- POC STA. 21+25.00
END TIP PROJECT B-4559



GRAPHIC SCALES



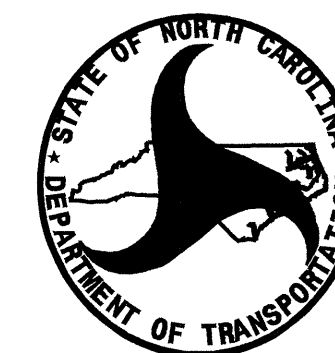
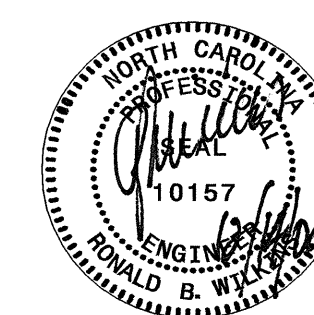
INDEX OF SHEETS

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

WATER AND SEWER OWNERS ON PROJECT

(1) WATER - JOHNSTON COUNTY

SEAL

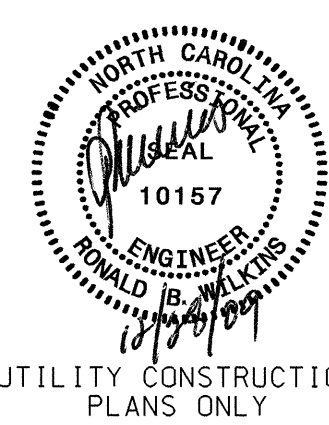


PREPARED IN THE OFFICE OF:
DIVISION OF HIGHWAYS
UTILITIES ENGINEERING
SECTION

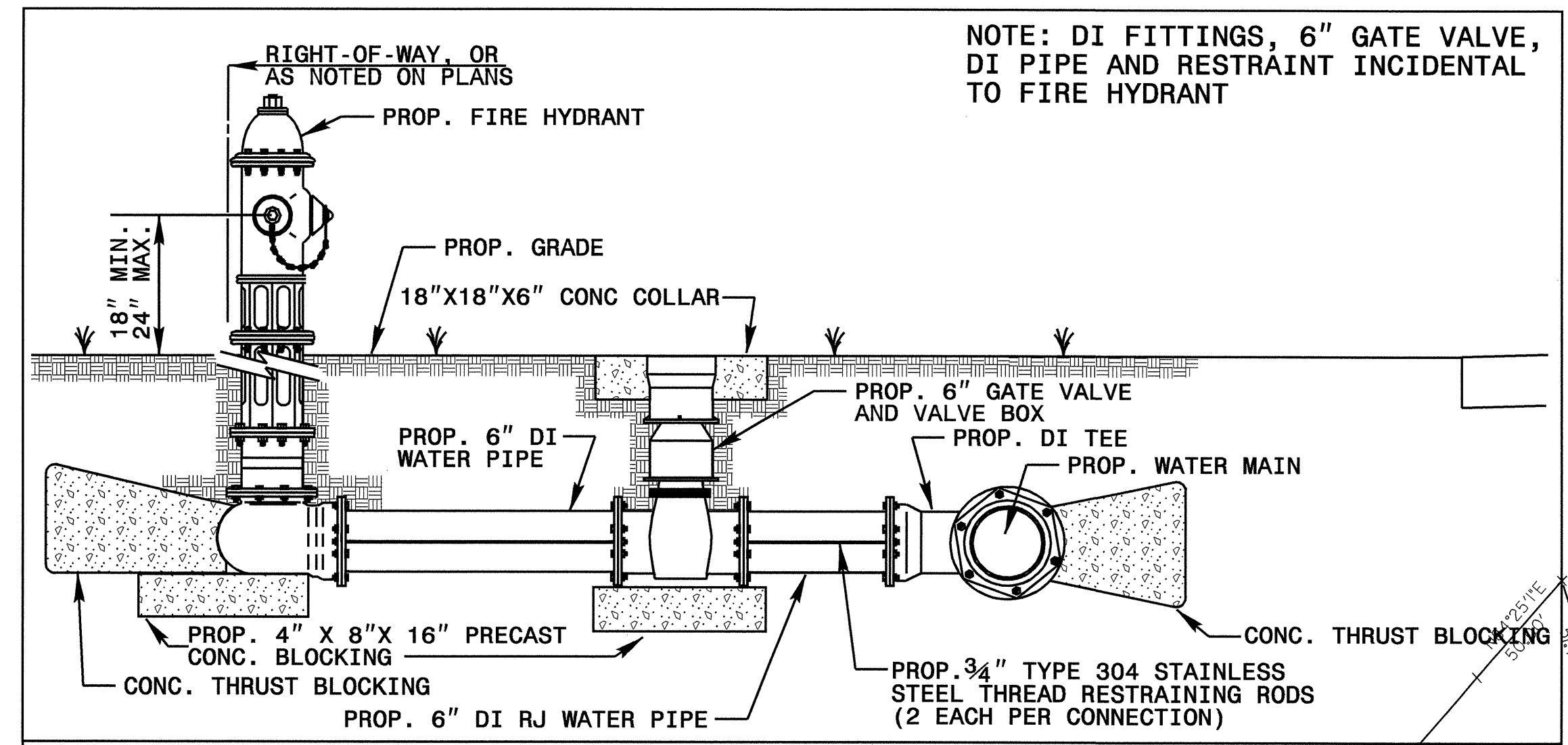
1591 MAIL SERVICES CENTER
RALEIGH NC 27699-1591
PHONE (919) 250-4128
FAX (919) 250-4119

Roger Worthington, P.E. UTILITIES SECTION ENGINEER
R. B. WILKINS, P.E. UTILITIES SQUAD LEADER PROJECT ENGINEER
MICHAEL R. BRIGHT UTILITIES PROJECT DESIGNER

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



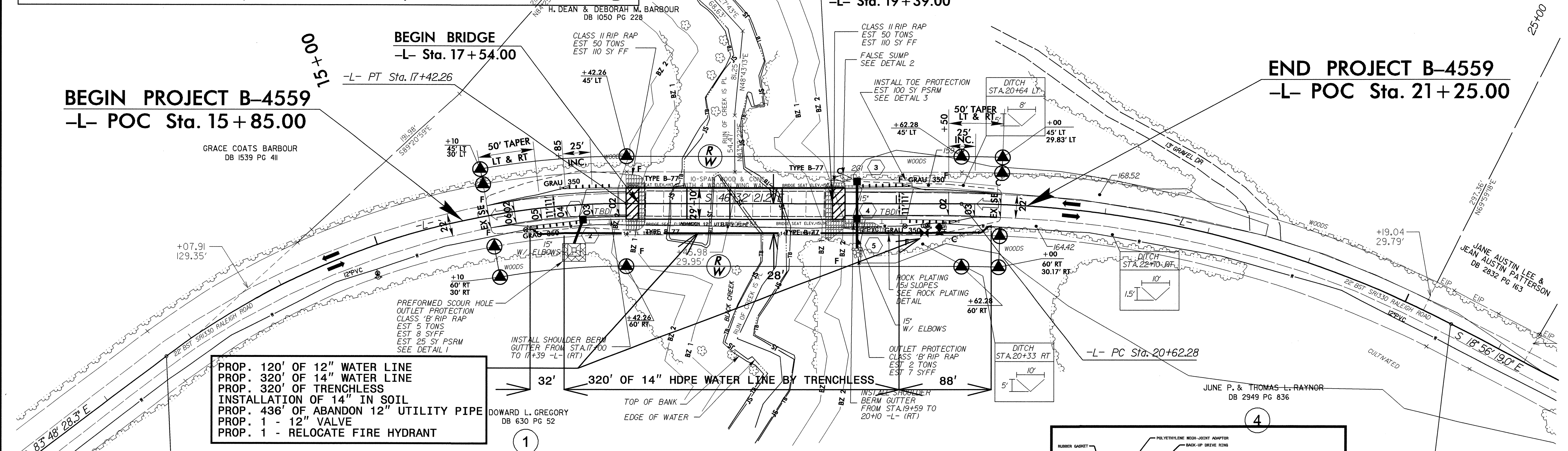
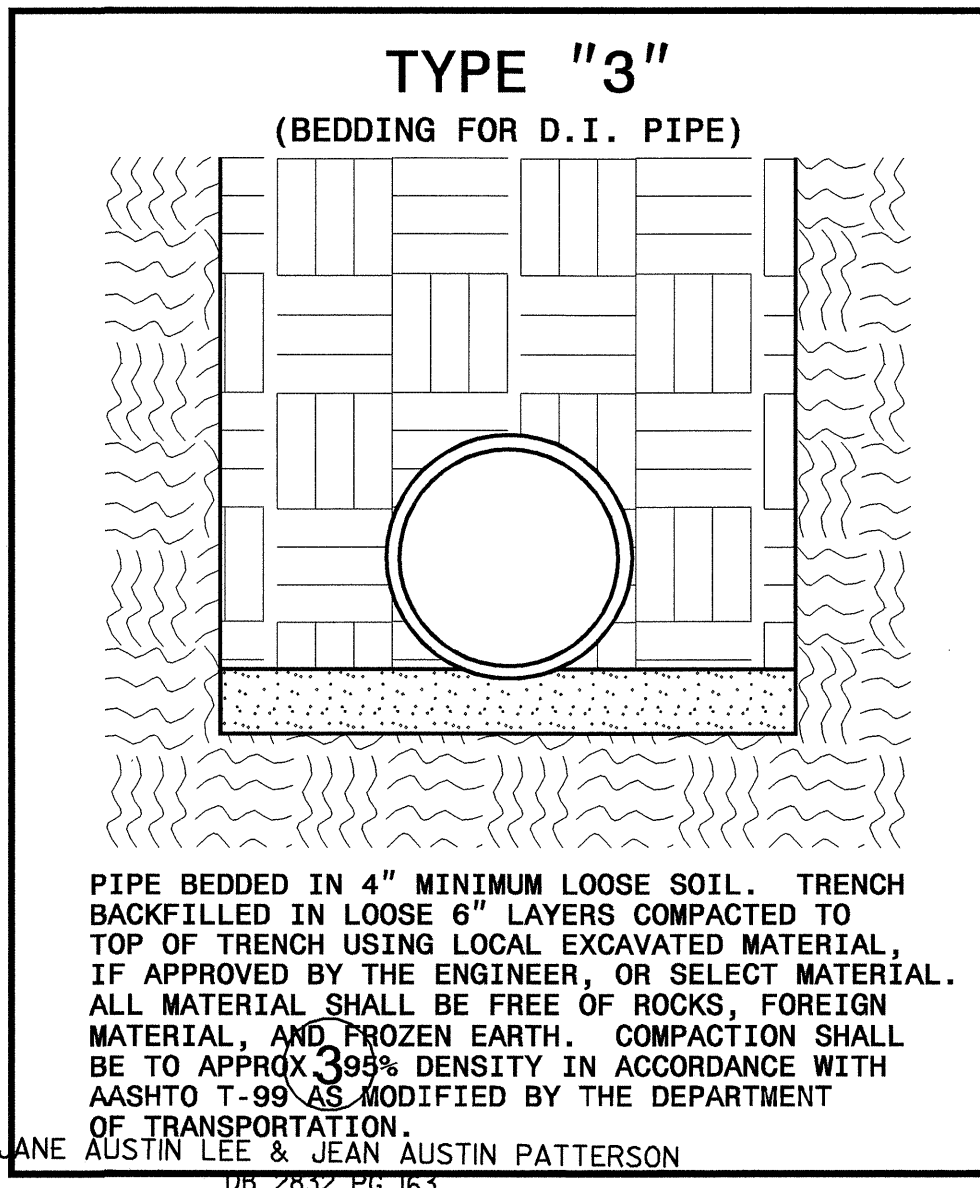
UTILITY CONSTRUCTION



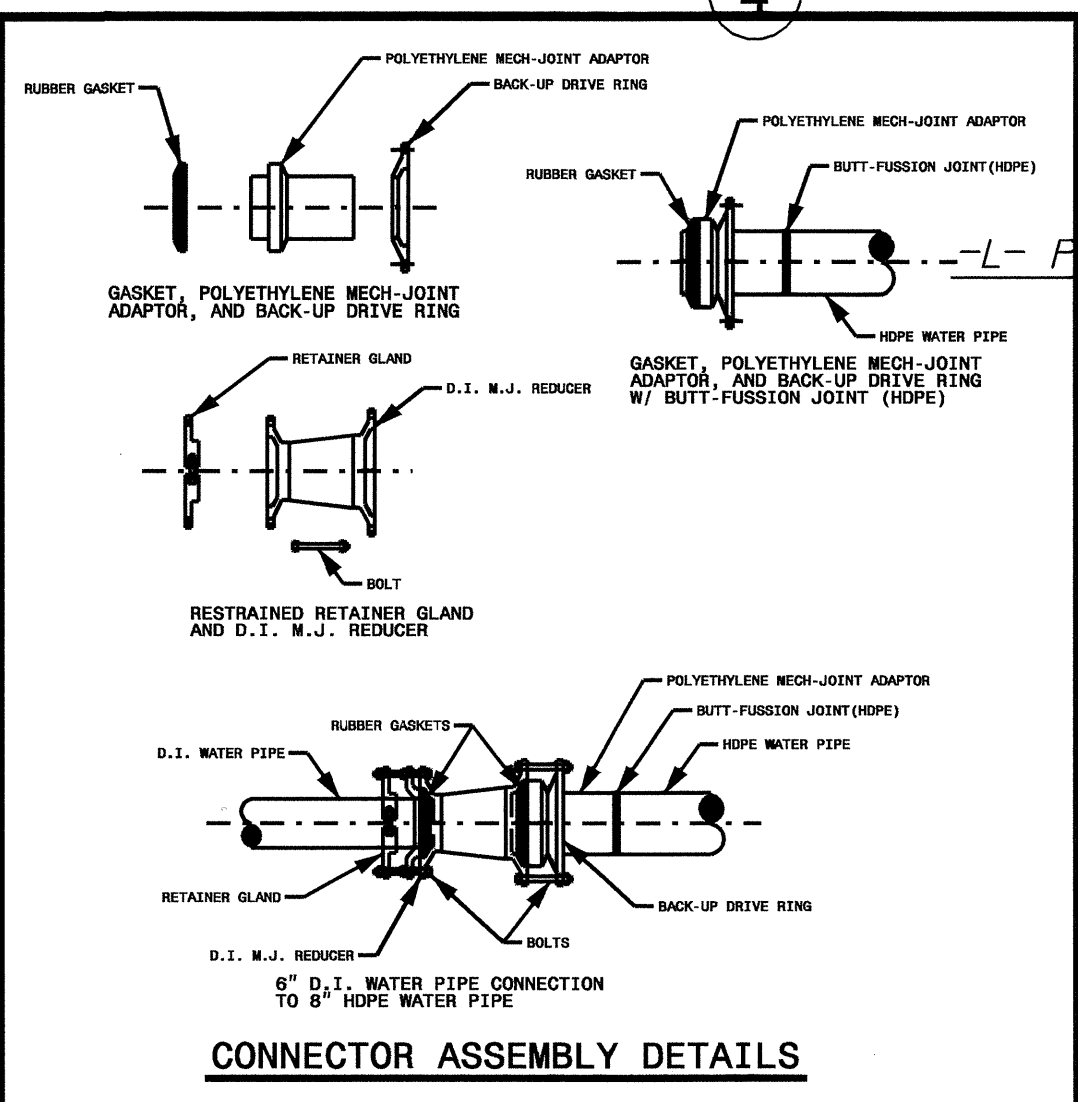
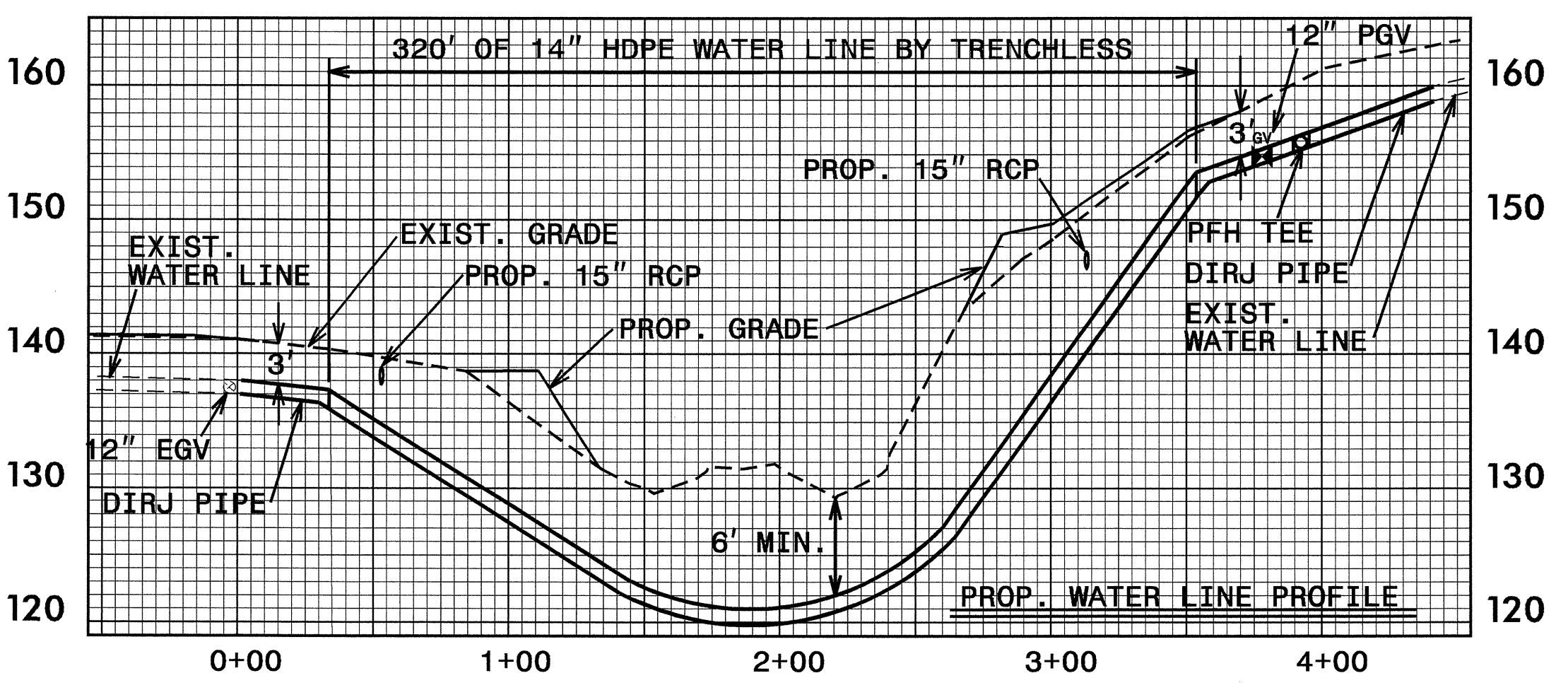
FIRE HYDRANT INSTALLATION DETAIL (UNPAVED AREAS)

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		



PROP. 120' OF 12" WATER LINE
 PROP. 320' OF 14" WATER LINE
 PROP. 320' OF TRENCHLESS
 INSTALLATION OF 14" IN SOIL
 PROP. 436' OF ABANDON 12" UTILITY PIPE
 PROP. 1 - 12" VALVE
 PROP. 1 - RELOCATE FIRE HYDRANT



5/14/99
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