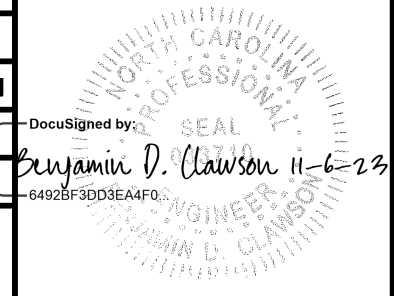
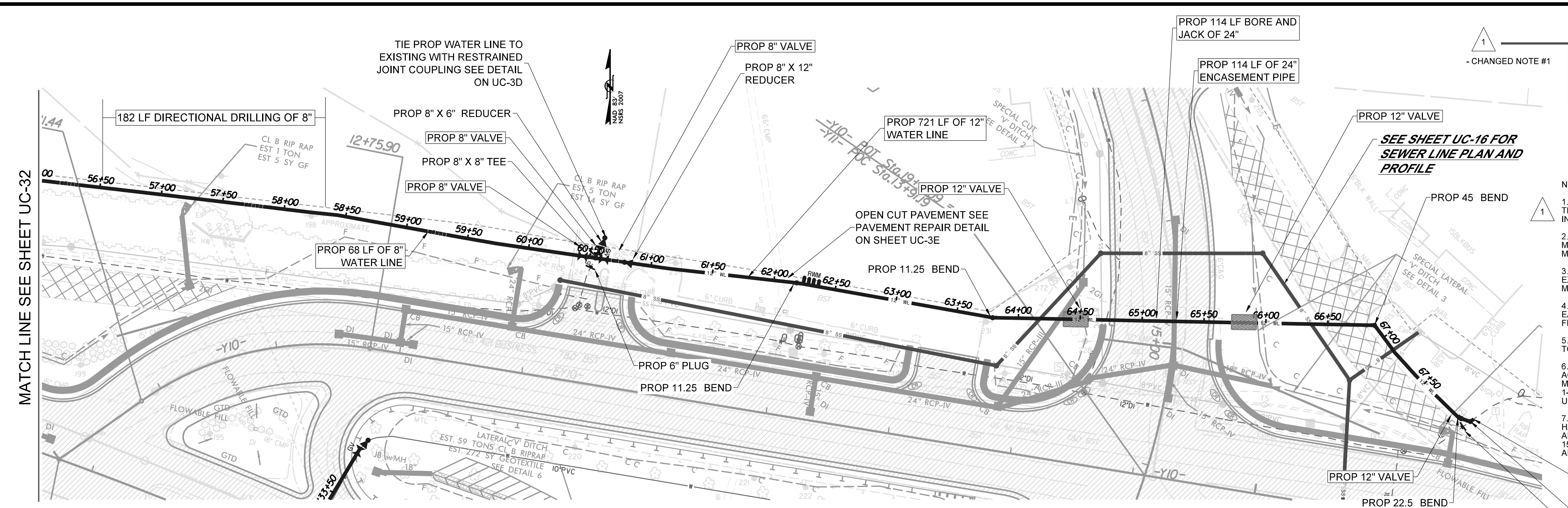
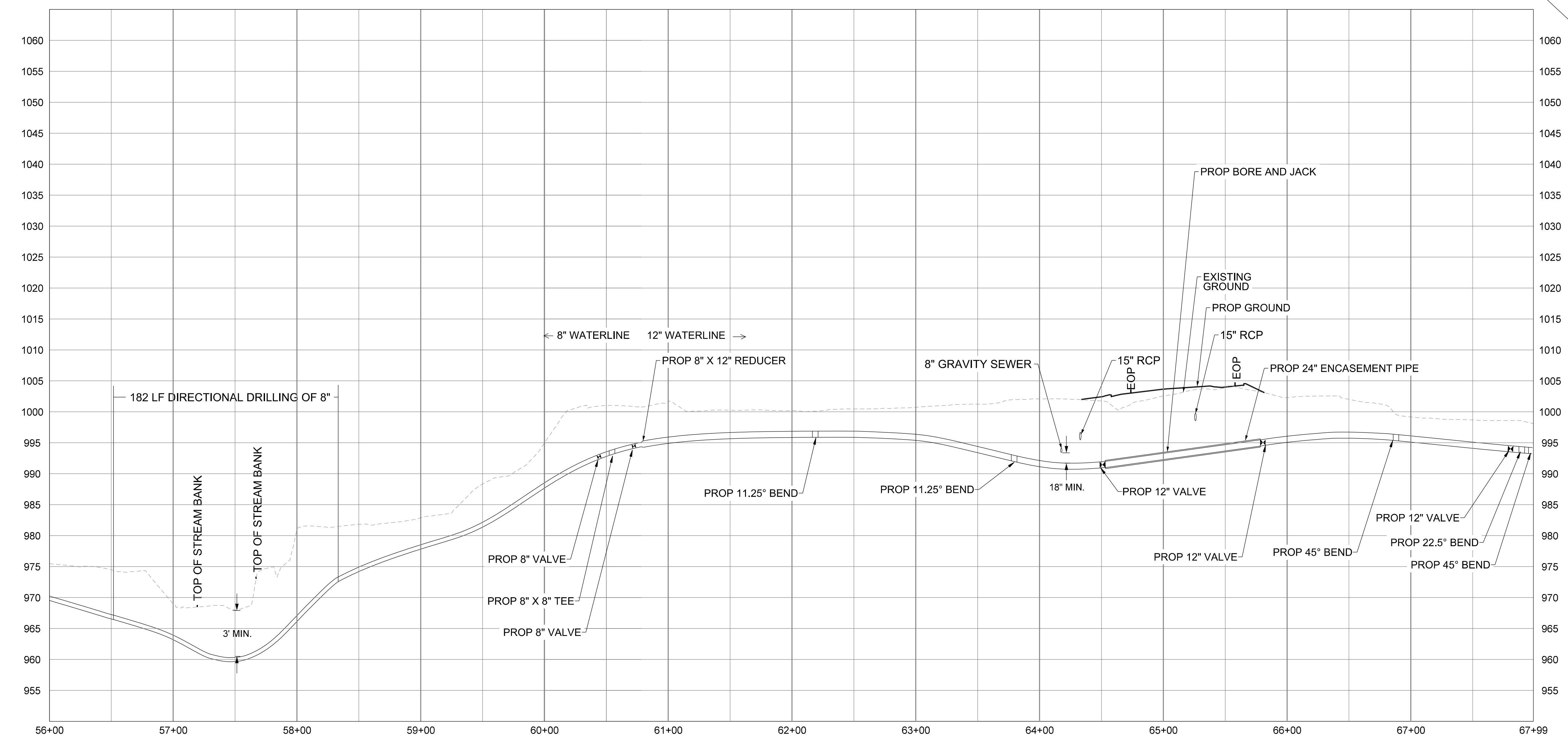


PROJECT REFERENCE NO.	SHEET NO.
U-5312	UC-33
DESIGNED BY: B. CLAWSON	
DRAWN BY: R. MOSS	
CHECKED BY: B. CLAWSON	
APPROVED BY:	
REVISED: 11/2/23	
MUNICIPAL ENGINEERING SERVICES COMPANY, P.A.	UTILITY CONSTRUCTION PLANS ONLY
P.O. BOX 97 GARNER, NC 27529 (919) 772-5393	



- NOTES:
1. WATERLINE MATERIAL SHALL BE: DIP-CLASS 350 (ALL OPEN TRENCH INSTALLATIONS), HDPE -DR7 (DIRECTIONAL BORE INSTALLATIONS), COPPER (SERVICE INSTALLATIONS)
 2. THE CONTRACTOR SHALL VERIFY EXISTING PIPE SIZE AND MATERIAL AND PROVIDE APPROPRIATE SIZED SLEEVE TO MAKE PROPER CONNECTIONS TO EXISTING PIPE LINES.
 3. WHEN CROSSING PIPE LINES UNDER PROPOSED AND/OR EXISTING DITCHES INSURE THAT PIPE LINE WILL HAVE A MINIMUM OF 4' COVER FROM FINISHED GRADE.
 4. USE RESTRAINED JOINTS AT FIRST TWO JOINTS BEYOND EACH SIDE OF FITTING IN ADDITION TO THRUST BLOCKING AT FITTING.
 5. IF AN ITEM IS NOT CALLED OUT IN A BOX, IT IS INCIDENTAL TO AND INCLUDED IN THE UNIT COST OF THE PIPE LINE.
 6. TWO OR MORE ADJACENT METERS SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARD DETAIL. ALL GANG METER INSTALLATIONS ON THIS PROJECT SHALL HAVE 1-INCH SERVICE TAP & SUPPLY LINE FROM MAIN LINE UNLESS DIRECTED OTHERWISE BY THE ENGINEER.
 7. PIPE LINE ABANDONMENT SHALL BE AFTER NEW PIPE LINE HAS BEEN TESTED AND ACCEPTED. PIPE LINE ABANDONMENT SHALL BE IN ACCORDANCE WITH SECTION 1630 OF THE NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES.



PROP 45 BEND
PROP 12" PLUG

TOTAL WEIGHT OF DUCTILE IRON WATER PIPE FITTINGS ON SHEET UC-33 IS 1645 LBS.