PROJECT REFERENCE NO.	SHEET NO.
W-5107	UC-12
DESIGNED BY: EWH	
DRAWN BY: EWH	
CHECKED BY: RBW	
APPROVED BY: RBW	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC. PHONE:(919)707-6690 FAX:(919)250-4151	UTILITY CONSTRUCTION PLANS ONLY

NORTH CAROLINA PROFESSIONAL SEAL 10157 ENGINEER RONALD B. WILKINS
DocuSigned by: Ron Wilkins 11/5/2014

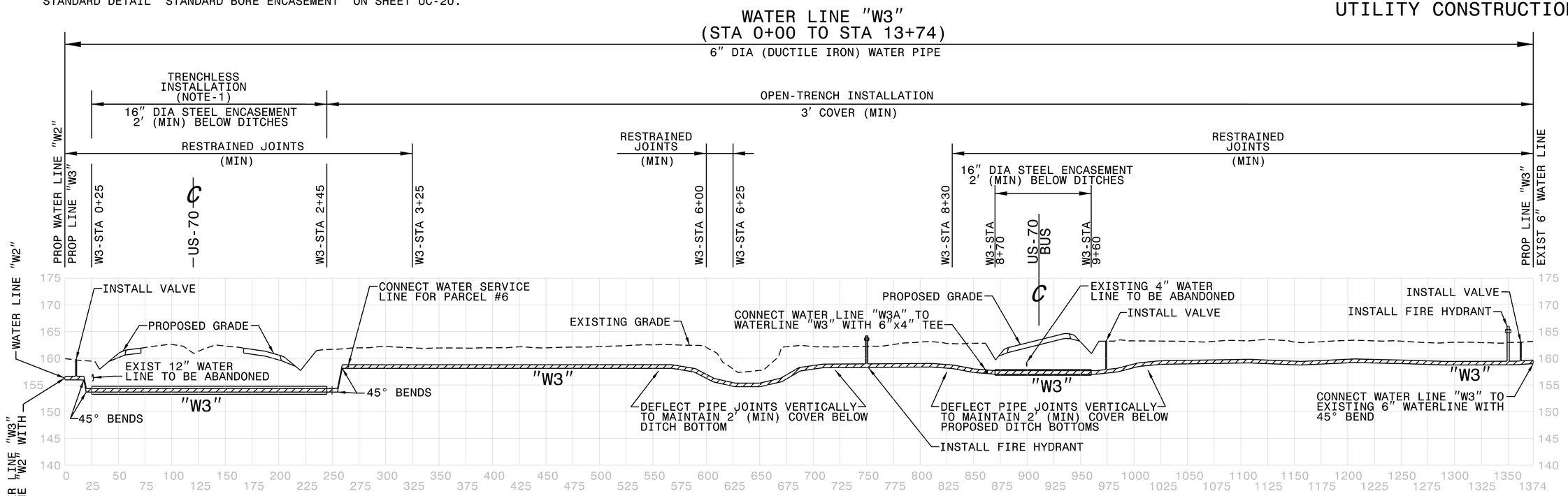
UTILITY CONSTRUCTION

WATER LINE "W3" PROFILE NOTE:

1. INSTALL 6" DUCTILE IRON WATER PIPE WITH FLEXIBLE RESTRAINED JOINTS THROUGH 16" ENCASEMENT PIPE AND EXTEND OUT TO LIMITS (STATIONS) AS SHOWN ON PLAN...RESTRAIN PIPE JOINTS INSIDE ENCASEMENT WITH PIPE JOINT RESTRAINING GASKETS (I.E. DO NOT USE RETAINER GLANDS)...THE ANNULAR SPACE BETWEEN THE WATER PIPE AND CASING PIPE SHALL NOT BE FILLED AND THE CASING ENDS SHALL BE FULLY SEALED WITH BRICK AND MORTAR. SUPPORT CARRIER PIPE (INSIDE CASING PIPE) WITH STAINLESS STEEL "SPIDERS" (SPACERS) INSTALLED AT EACH JOINT AND MID-SPAN OF WATER PIPES. THE CASING PIPE SHALL BE FURNISHED WITH A BITUMINOUS COATING ON EXTERIOR SURFACE. CASING PIPE SHALL CONFORM TO ASTM SPECIFICATION A252-61, GRADE 2. INSTALL STAINLESS STEEL "BRIDLE RODS" CONNECTING DUCTILE IRON WATER PIPE TO STEEL ENCASEMENT PIPE AS PER JOHNSTON COUNTY STANDARD DETAIL "STANDARD BORE ENCASEMENT" ON SHEET UC-20.

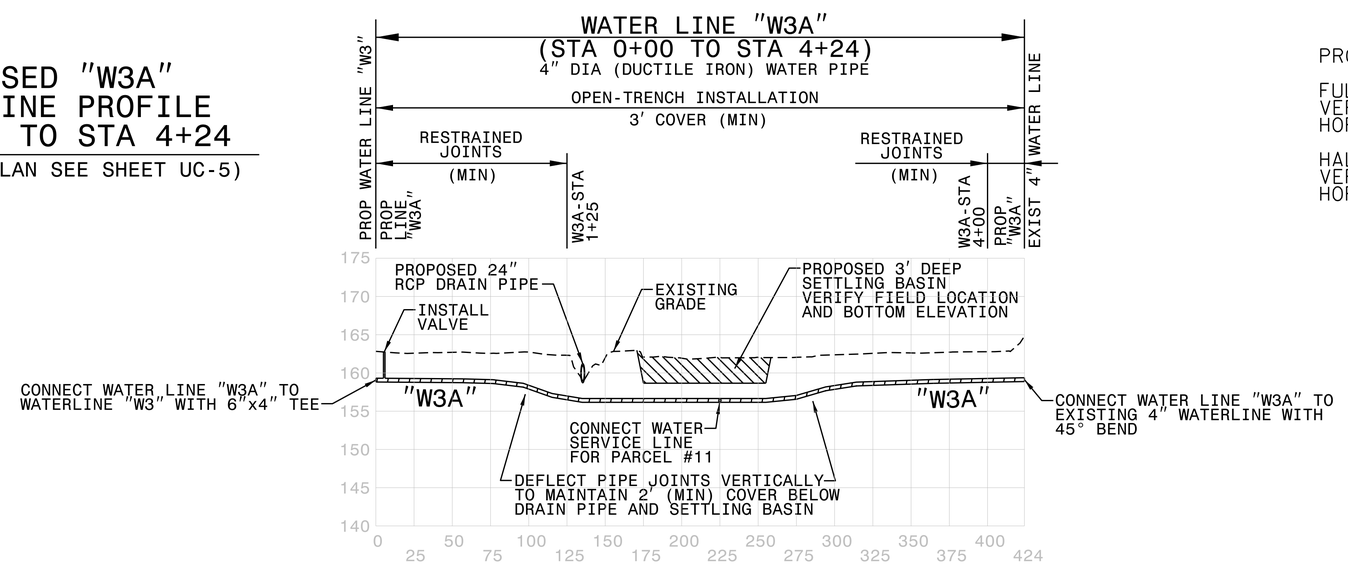
PROPOSED "W3" WATER LINE PROFILE STA 0+00 TO STA 13+74

(FOR "W3" PLAN SEE SHEET UC-5)



PROPOSED "W3A" WATER LINE PROFILE STA 0+00 TO STA 4+24

(FOR "W3A" PLAN SEE SHEET UC-5)



PROFILE SCALE:

FULL-SIZE SHEET:
VERTICAL: 1"=10'
HORIZONTAL: 1"=50'

HALF-SIZE SHEET:
VERTICAL: 1"=20'
HORIZONTAL: 1"=100'

5/14/99

04-NOV-2014 09:14
Engineering\UtilCon\Proj\280.012_W5107_profile_UC12.dgn
$$$$USERNAME$$$$