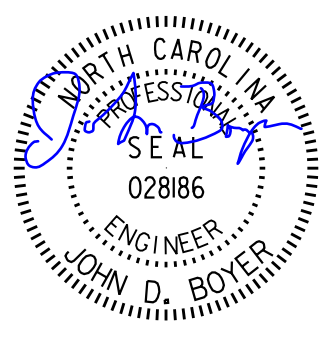


8/17/99

NOTE:

1. THE EXISTING 8" AC WATERLINE, ON THE SOUTH SIDE OF COLINGTON ROAD, IS TO REMAIN IN SERVICE DURING THE CONSTRUCTION OF THE PROPOSED 12" PVC WATERLINE. THE CONTRACTOR IS RESPONSIBLE TO PROTECT THE EXISTING WATERLINE DURING CONSTRUCTION.
2. AFTER COMPLETION OF THE PROPOSED 12" PVC WATERLINE, THE EXISTING 8" AC WATERLINE IS TO BE ABANDONED IN PLACE AND FILLED WITH GROUT FROM -L- STA. 41+83 TO -L- STA. 211+55, PER THE SPECIAL PROVISIONS SECTION OF THE SPECIFICATIONS.
3. ALL PROPOSED WATERLINE SHALL BE 12" C900 PVC.
4. ALL PIPE FITTINGS SHALL BE DUCTILE IRON.
5. REFER TO THE RESTRAINED JOINT DETAIL ON SHEET UC-3G FOR RESTRAINED JOINT LENGTHS.
6. ELEVATION OF EXISTING WATERLINES ARE ASSUMED TO BE 3- FEET BELOW EXISTING GRADE. CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF THE EXISTING WATERLINE PRIOR TO MAKING THE CONNECTION.
7. CONNECTIONS TO EXISTING WATERLINE ARE TO BE RESTRAINED BY THRUST COLLARS. SEE DETAIL A ON SHEET UC-3E.

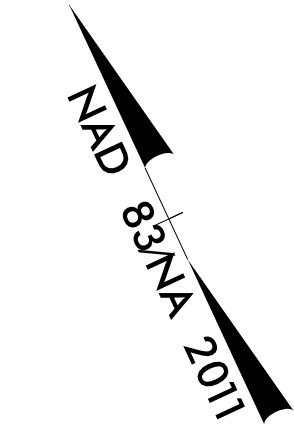
8. LOWER FORCE MAIN SEWER BELOW PROPOSED WATER LINE. USE FOUR 11.25° VERTICAL BENDS IN FORCE MAIN TO PROVIDE 18" VERTICAL CLEARANCE. FITTINGS SHALL BE RESTRAINED PER DETAIL B ON SHEET UC-3E. WORK ON THE SANITARY FORCE MAIN SHALL BE COORDINATED WITH THE UTILITY OWNER, KILL DEVIL HILLS WASTE WATER TREATMENT PLANT (KDHWWTP, LLC).
9. WITH APPROVAL FROM THE NCDOT ENGINEER, IN AREAS WHERE THE RIGHT-OF-WAY IS BOUNDED BY WETLANDS OR CONSERVATION AREA, SUSPEND THE FUSIBLE PVC PIPE STRING WITH A BACKHOE OR CRANE OVER THE SENSITIVE AREA FOR PULL-IN. FOR AREAS OF PRIVATE PROPERTY, THE CONTRACTOR SHALL UTILIZE THE CARTRIDGE METHOD, MULTIPLE SHORT PIPES WITH FUSION IN THE PIT.

PROJECT REFERENCE NO.	SHEET NO.
R-5014	UC-16
DESIGNED BY: DMD	
DRAWN BY: DMD/MNG	
CHECKED BY: JDB	
APPROVED BY: CMT	
REVISED:	UTILITY CONSTRUCTION PLANS ONLY

UTILITY CONSTRUCTION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

THIS SHEET CORRESPONDS TO RDY-18

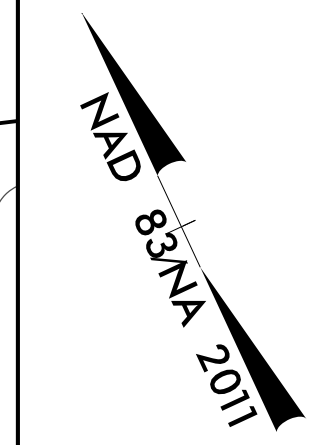
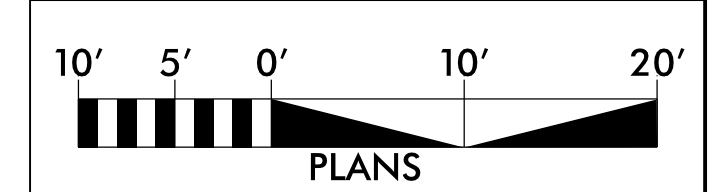
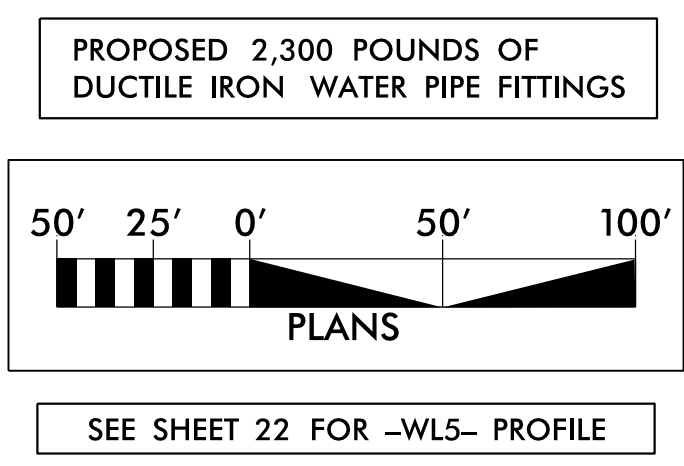
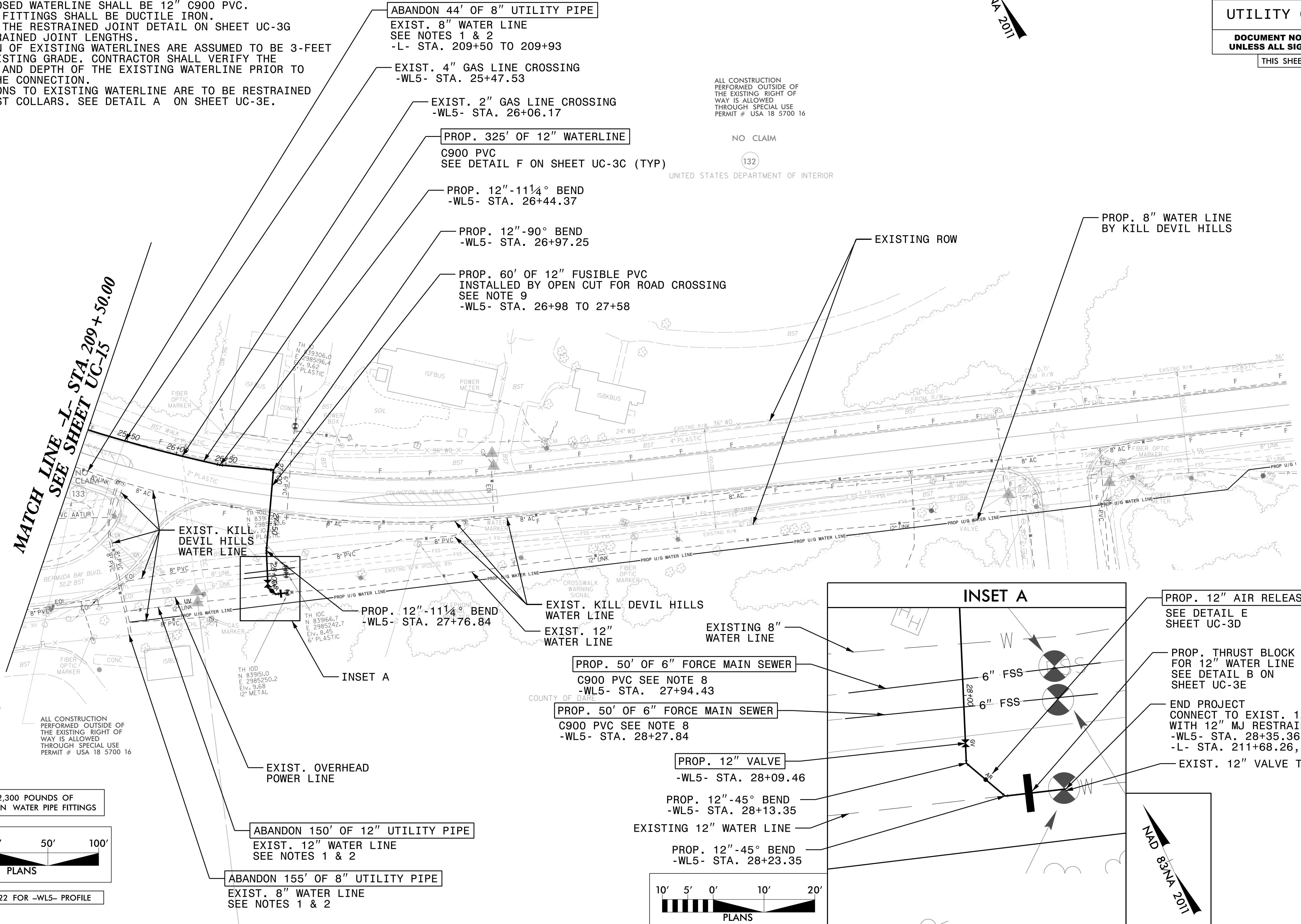


ALL CONSTRUCTION PERFORMED OUTSIDE OF THE EXISTING RIGHT OF WAY IS ALLOWED THROUGH SPECIAL USE PERMIT # USA 18 5700 16

NO CLAIM

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UNITED STATES DEPARTMENT OF INTERIOR



REVISIONS