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PROJECT REFERENCE NO. R-3830 SHEET NO. UC-7  
 DESIGNED BY: DLH  
 DRAWN BY: WW, MJ, BB  
 CHECKED BY: DLH  
 APPROVED BY:  
 REVISED:  
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 UTILITIES ENGINEERING SEC.  
 PHONE: (919)707-6690  
 FAX: (919)250-4151  
 UTILITY CONSTRUCTION PLANS ONLY

PROPOSED 2-20 LF OF 30" DIA. X 0.312" MINIMUM WALL THICKNESS STEEL ENCASMENT PIPE BY OPEN CUT, CENTERED ON STORM PIPE CROSSINGS

PROPOSED 16"x12" TEE TIE TO EXISTING 12" WATER LINE  
 16" GATE VALVE  
 12" GATE VALVE

- NOTES:
1. RELOCATE ALL EXISTING WATER LINE SERVICES TO THE NEW WATER LINE. FOLLOW CITY OF SANFORD STANDARD SERVICE CONNECTION DETAILS. COORDINATE SERVICE TIE OVER WITH PROPERTY OWNER AND CITY OF SANFORD.
  2. PROVIDE 18" MINIMUM VERTICAL CLEARANCE AT ALL DRAINAGE SYSTEM CROSSINGS.
  3. ABANDON WATER LINE IN LOCATIONS SHOWN. ABANDONMENT INCLUDES ALL FITTINGS AND APPURTENANCES. ABANDONMENT OF THE WATER LINE TO BE IN ACCORDANCE WITH THE CITY OF SANFORD'S AND NCDOT'S REQUIREMENTS.
  4. ALL ABANDONED LINES 8" OR LARGER SHALL BE FILLED WITH CDF.
  5. MAINTAIN MINIMUM 36" COVER BELOW FINISHED GRADE FOR ALL WATER LINES.

NOTE: LOCATIONS OF EXISTING UTILITIES AS SHOWN ARE APPROXIMATE ONLY. EXACT LOCATIONS ARE TO BE VERIFIED IN THE FIELD BY THE CONTRACTOR.

PROPOSED 1,400 LF OF 16" WATER MAIN  
 PROPOSED 392 LF OF 1" WATER SERVICE  
 ABANDON EXISTING 16" WATER MAIN SHEET UC-07  
 TOTAL LENGTH = 1,381 LF  
 ABANDON EXISTING 8" WATER MAIN SHEET UC-07  
 TOTAL LENGTH = 308 LF

ABANDON EXISTING 12" WATER MAIN SHEET UC-07  
 TOTAL LENGTH = 23 LF

ABANDON EXISTING 6" WATER MAIN SHEET UC-07  
 TOTAL LENGTH = 52 LF

**PROFILE W-1**  
 SCALE: HORIZ. 1"= 50'  
 VERT. 1"= 5'

THE ESTIMATED QUANTITY OF DUCTILE IRON WATER PIPE FITTINGS ON THIS PLAN SHEET IS 4,990 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

**UTILITY CONSTRUCTION**

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

