PROJECT REFERENCE NO.	SHEET NO.
W-5107	UC-2
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	11/5/2014 UTILITY CONSTRUCTION PLANS ONLY

NORTH CAROLINA PROFESSIONAL SEAL 20157 ENGINEER RONALD B. WILKINS

UTILITY CONSTRUCTION

PLAN SCALE:

FULL-SIZE SHEET: 1"=50'
HALF-SIZE SHEET: 1"=100'

PROPOSED "W1" WATER LINE ALIGNMENT STA 0+00 TO STA 11+00

(FOR "W1" PROFILE...SEE SHEET UC-10)

INSTALL WATER LINE ANCHOR BLOCK OR RESTRAIN ALL PIPE JOINTS ON EXISTING 12" PIPE 115' (MIN) AHEAD OF TIE-IN (SEE WATER LINE ANCHOR BLOCK DETAIL ON SHEET UC-18) INSTALLATION OF ANCHOR BLOCK OR JOINT RESTRAINTS SHALL BE INCIDENTAL TO THE ASSOCIATED WATER LINE PAY ITEMS

W1-STA 0+00
Y1-STA 13+25/45R
CONNECT WATER LINE "W1" TO EXIST 12" WATER LINE
45°BEND

W1 STA 0+12
INSTALL VALVE
12" VALVE...1 EA

W1-STA 0+07
Y1-STA 13+30/50R
45° BEND

W1-STA 0+48
Y1-STA 13+30/90R
45° BEND

W1-STA 0+55
Y1-STA 13+35/95R
45° BEND

CONTRACTOR TO ADJUST HORIZONTAL ALIGNMENT AS NECESSARY (I.E. DEFLECT PIPE JOINTS) TO AVOID CONFLICT WITH POWER POLE GUY WIRES OR ANCHORS

12" WATER LINE...1100 LF

W1-STA 6+35
INSTALL FIRE HYDRANT
FIRE HYDRANT...1 EA

W1-STA 6+21
Y1-STA 19+02/95R
22° BEND

W1-STA 6+25
Y1-STA 19+05/97R
11° BEND

W1-STA 6+65
Y1-STA 19+39/119R
45° BEND

W1-STA 7+94
Y1-STA 19+58/245R
45° BEND

W1-STA 8+05
Y1-STA 19+67/252R
45° BEND

W1-STA 8+35 TO W1-STA 9+05
INSTALL 20" ENCASEMENT PIPE
20" ENCASEMENT PIPE...70 LF

WATER LINE "W1"
(STA 9+35 TO STA 11+00)
MAINTAIN 5' FROM R/W
(DEFLECT PIPE JOINTS)

PAY ITEMS THIS SHEET:

12" WATER LINE...1100 LF
12" VALVE...1 EA
20" ENCASEMENT PIPE...70 LF
FIRE HYDRANT...1 EA

MATCH-LINE W1-STA 11+00...SHEET UC-3

5/14/99
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