PROJECT REFERENCE NO.	SHEET NO.
W-5107	UC-9
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 23157 ENGINEER R. BRYAN WILLIAMS
DocuSigned by: Bryan Williams
11/5/2014

UTILITY CONSTRUCTION

PROPOSED "W6" WATER LINE ALIGNMENT STA 12+00 TO STA 25+14

(FOR "W6" PROFILE SEE SHEET UC-15)

PLAN SCALE:

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

PAY ITEMS THIS SHEET:

8" WATER LINE...1314 LF
8" VALVE...2 EA
TRENCHLESS INSTALLATION OF 8" IN SOIL...288 LF
TRENCHLESS INSTALLATION OF 8" NOT IN SOIL...288 LF
RELOCATE WATER METER...1 EA

NOTE-1: WATER SERVICE PIPING SHALL BE ¾" DIA, TYPE-K COPPER WATER TUBING CONFORMING TO ASTM B-88...ALL WORK ASSOCIATED WITH INSTALLING WATER SERVICE PIPING FOR PARCEL #22 WILL BE INCIDENTAL TO "RELOCATE WATER METER" PAY ITEM. (POLYETHYLENE TUBING WILL NOT BE ALLOWED TO BE INSTALLED ACROSS PARCEL #22 DUE TO POSSIBLE SOIL (GASOLINE) CONTAMINATION).

INSTALL WATER LINE ANCHOR BLOCK OR RESTRAIN ALL PIPE JOINTS (ON EXISTING 8" PVC PIPE) 20' 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

W6-STA 24+75
INSTALL TAPPING SADDLE FOR PARCEL #22
(SEE WATER TAP DETAIL ON SHEET UC-20)
WORK INCIDENTAL TO "RELOCATE WATER METER" PAY ITEM

W6-STA 25+14
SR2-STA 10+25/51R
CONNECT WATER LINE "W6" TO EXIST 8" WATER LINE
45° BEND

W6-STA 24+10
SR2-STA 10+90/20R
22° BEND

INSTALL NEW WATER SERVICE PIPING TO PARCEL #22 SEE NOTE-1 THIS SHEET

W6-STA 23+50
END TRENCHLESS INSTALLATION
INSTALL PIPE TRANSITION FITTINGS
WORK INCIDENTAL TO ASSOCIATED WATER LINE PAY ITEMS

W6-STA 23+70
INSTALL VALVE
8" VALVE...1 EA

TRENCHLESS INSTALLATION OF 8" IN SOIL...288 LF

TRENCHLESS INSTALLATION OF 8" NOT IN SOIL...288 LF

W6-STA 17+75
BEGIN TRENCHLESS INSTALLATION
INSTALL PIPE TRANSITION FITTINGS
WORK INCIDENTAL TO ASSOCIATED WATER LINE PAY ITEMS

W6-STA 17+55
INSTALL VALVE
8" VALVE...1 EA

W6-STA 17+43
SR2-STA 17+25/90R
22° BEND

WATER LINE "W6" (STA 16+03 TO STA 17+43) MAINTAIN 15' FROM PUE (DEFLECT PIPE JOINTS)

W6-STA 16+03
SR2-STA 18+43/90R
22° BEND

8" WATER LINE...1314 LF

W6-STA 13+92
SR2-STA 20+32/28R
22° BEND

W6-STA 13+49
SR2-STA 20+84/23R
22° BEND

W6-STA 13+08
SR2-STA 21+32/20R
45° BEND

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

MATCH-LINE W6-STA 12+00...SHEET UC-8

RELOCATE WATER METER ...1 EA

CONTAMINATION BOUNDARY

WATER SERVICE

"W6"

PUE

15'

10'

NO ASSOCIATED PIPING FOUND

15 x 15 SPECIAL STILLING BASIN

PROPOSED 2-9'X9' RCBC

JOHNSTON CO.

8"

CLASS I RIP RAP

CFW

REMOVE

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