NOTE:
EX. TEL LINES TO BE ABANDONED. REPLACEMENT LINE LOCATION SHOWN ON UBO PLAN

PROVIDE FLOWABLE FILL BRIDGING OVER EX. FM & BELOW 413

NEW AIR RELEASE VALVE IN MH FOR NEW HIGH SPOT

CONTRACTOR TO LOWER PORTION OF EX. FM UNDER NEW 30" STORM. NEW FM SECTION SHALL BE C900 PVC

RELOCATE AIR RELEASE VALVE TO NEW MH IN ROW

NEW 1" AIR LINE LAID UPHILL TO VALVE. SEE DETAIL WS-3 ON UC-3

BEGIN AC PIPE REPLACEMENT AT EX. TEE STA 50+08.26. PROVIDE 26 LF OF 12" DIP

BEGIN STA 70+00 AT -L- STA 14+00, 20.5'L

BEGIN STA 50+00 AT -Y2- STA 14+00, 35.5'L
30" INV 24.00
30" TOP 26.62
12" TOP 28.63
12" BOT 27.53

END 12" WL RELOCATION WITH 22.5° RJ DIP BEND. STA 61+29

NEW 1" AIR LINE LAID UPHILL TO VALVE

SUPPORT EX. 12" DIP FM DURING EXCAVATION & PROVIDE FLOWABLE FILL BRIDGING OVER NEW 30" DIP & BELOW EX. FM. (0.9' SEPARATION)

NEW 22.5° RJ BEND

108 LF NEW 12" DIP WATER LINE.

THESE TEL. LINES TO STAY IN SERVICE

NEW 45° RJ BEND.

RECONNECT TO EXISTING W/ 45° BEND.

OWNER TO RELOCATE VALVE CONTROL PANEL AND ANTENNAE TO BE BESIDE NEW POWER METER.

OWNER TO RUN NEW WIRES TO VAULT AND RECONNECT VAULT TO CONTROL PANEL. RELOCATE METER READOUT (ON TREATED WOOD 4X4) TO CONTROL PANEL.

BEGIN 60+00 AT EDGE OF VAULT

NEW 12" 45° RJ BEND.*

RECORD DRAWINGS INDICATE 54 LF OF 12" DIP WATER LINE WAS INSTALLED AND 32 LF OF STEEL CASING.

COORDINATE WITH BRUNSWICK COUNTY FOR VALVE OPERATION AND FOR SCHEDULING DOWN TIMES FOR THE TIE-INS. NEW LINE SHALL BE FULLY TESTED BEFORE MAKING CONNECTION TO EXISTING.

CONTRATOR TO FIELD VERIFY DEPTHS OF EXISTING UTILITIES PRIOR TO INSTALL. PROVIDE VERTICAL BENDS IF NEEDED TO AVOID EXISTING UTILITIES.

WATER QUANTITIES:
134 LF OF DIP WATER LINE
1085 LBS OF DIP FITTINGS

*IF EX. PIPE IN CASING IS NOT A RESTRAINED JOINT DIP, THEN THRUST BLOCKS ARE REQUIRED

RJ NOTES:
PROVIDE 8 LF OF RJ ON EACH SIDE OF 22.5° BENDS
PROVIDE 16 LF OF RJ ON EACH SIDE OF 45° BENDS
PROVIDE 38 LF OF RJ ON EACH SIDE OF 90° BENDS

CH ENGINEERING
3220 GLEN ROYAL RD. RALEIGH, NC 27617
TELE 919.788.0224 FAX 919.788.0232
NC LICENSE #P-0189

PROJECT REFERENCE NO.	SHEET NO.
SS-4903BR	UC-4
DESIGNED BY: EMT	
DRAWN BY: EMT	
CHECKED BY:	
APPROVED BY:	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SECTION PHONE:(919)707-6690 FAX:(919)250-4151	UTILITY CONSTRUCTION PLANS ONLY

NORTH CAROLINA PROFESSIONAL SEAL 028912 ENGINEER ERIC M. TIMED
DocuSigned by: Eric Timed 5/24/2017

NAD 83/2011

UTILITY CONSTRUCTION

DOCUMENT NOT CONSIDERED FINAL UNTIL ALL SIGNATURES ARE COMPLETED

5/14/99

5/22/2017
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