UTILITY PLAN SHEET UC-11 CORRESPONDS WITH ROADWAY PLAN SHEET 11

Rivers & Associates, Inc.
Since 1918
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P.O. BOX 33068
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PROJECT REFERENCE NO.	SHEET NO.
U – 3315	UC – 11
DESIGNED BY: FDT /GJC	
DRAWN BY: JHT	
CHECKED BY: FDT /GJC	
APPROVED BY: FDT /GJC	
REVISED: 3–31–15	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
RIGHT–OF–WAY REV:	PROJECT SERVICES UNIT
CONSTRUCTION REV:	PHONE: (919) 250–4128 FAX: (919) 250–4119

NORTH CAROLINA PROFESSIONAL SEAL 16744 ENGINEER GREGORY J. CHURCHILL
5/4/2015
DocuSigned by: Gregory J. Churchill
PROJECT ENGINEER

REVISIONS

MATCH LINE -L- STA 81+00 (SEE SHEET 9)

GENE BLAND ADAM & JASON B ADAMS (193)

MCCARTHY ROBERT F (194)

BRADLEY SYDNOR PROPERTIES, LLC (104)

VINCENT PEELE PROPERTIES LLC (105)

WARD HOLDINGS, LLC (195, 197, 198, 199)

STATE OF NORTH CAROLINA C/O STATE PROPERTY OFFICE (106)

STATE OF NORTH CAROLINA PROPERTY CONTROL SECTION (106)

BRODY PROPERTIES, LLC (107)

JOSHUA DAV JOHNSON (196)

TENTH STREET PROPERTIES, LLC

STATE OF NC C/O STATE PROPERTY OFFICE (110)

DAVED RALPH MORGAN & STEPHEN FLEMING MORGAN

A. J. TILLEY, III & WF JUDITH S.

PROP - 30' OF 8" WATER LINE
3 - 8" VITON GASKETS
1 - 8" VALVE
8" DIP
1 - 12"x 8" DI TEE
CONNECT W/ NECESSARY FITTINGS

PROP - 30' OF 6" WATER LINE
3 - 6" VITON GASKETS
1 - 6" VALVE
6" DIP
1 - 12"x 6" DI LOCKING TEE
CONNECT W/ NECESSARY FITTINGS

FIRE HYDRANT
6" C900 PVC
1 - 6" VALVE
1 - 12"x 6" DI LOCKING TEE

PROP - 68' OF 12" WATER LINE (C-900)
PROP - 453' OF 12" WATER LINE (DIP)
26 - VITON GASKETS
2 - 12" VALVES
4 - 12" 45° DI BENDS
2 - 12" 11¼° DI BENDS
1 - 12"x 6" DI REDUCER
USE DUCTILE IRON PIPE WITH VITON GASKETS FOR WATER MAIN CONSTRUCTION WITHIN AREAS OF PETROLEUM CONTAMINATION

PROP - 500' OF 2" GAS LINE
2" SDR-11 MDPE
2 - 2" MDPE TEE
1 - 4"x 2" MDPE REDUCER

PROP - 20' OF 2" GAS LINE
2" SDR-11 MDPE
1 - 2" MDPE TEE

ABANDON 67' 8" UTILITY PIPE

ABANDON 400' 6" UTILITY PIPE

ABANDON 515' 12" UTILITY PIPE

ABANDON 120' 8" UTILITY PIPE

PROP - 87' OF 4" GAS LINE
4" SDR11 MDPE
1 - 2" MDPE TEE
2 - 4" x 2" REDUCER

PROP - 2 - RELOCATE WATER METERS
120' OF 1" TYPE "K" COPPER
2 - 12"x 1" TAPPING SADDLES
2 - 1" CORPORATION STOPS
2 - 1" ANGLE STOPS
CONNECT W / NECESSARY FITTINGS

PROP - RELOCATE WATER METER
140' OF 1" TYPE "K" COPPER
1 - 12"x 1" TAPPING SADDLE
1 - 1" CORPORATION STOP
1 - 1" ANGLE STOP
CONNECT W / NECESSARY FITTINGS

GUC TO RELOCATE WATER METER ON EX MAIN IF REQUIRED (TYP - SEE NOTE # 5)

PROP - 170' OF 8" WATER LINE (C-900)
PROP - 40' OF 8" WATER LINE (DIP)
3 - VITON GASKETS
1 - 8" VALVE
1 - 12"x 8" DI TEE
CONNECT W / NECESSARY FITTINGS
USE DUCTILE IRON PIPE WITH VITON GASKETS FOR WATER MAIN CONSTRUCTION WITHIN AREAS OF PETROLEUM CONTAMINATION

PROP - 3 - 20' OF 4" GAS LINE
4" SDR-11 MDPE
(LOWER GAS MAIN IN THIS AREA TO INSTALL 15" RCP STORM DRAIN)

INSTALL 8" DIP DROP DOWN ASSEMBLY (BY GUC)

INSTALL PROP 8" WATER MAIN SHORT OF EXISTING; INSTALL TEMP PLUG & DISINFECTION; ISOLATE & REMOVE EX MAIN AS REQ'D; SWAB DISINFECT & INSTALL FITTINGS & CONNECTIONS; INSTALL THRUST BLOCK, RETURN MAIN TO SERVICE & OBSERVE FOR LEAKS

PROP - 65' OF 12" WATER LINE (DIP) W/ VITON GASKETS

PROP - 20' OF 6" WATER LINE (DIP)
2 - 6" VITON GASKETS
1 - THRUST COLLAR
1 - IN-LINE VALVE (BY GUC)

PROP - 20' OF 6" WATER LINE
4 - 6" VITON GASKETS
1 - 6" TAPPING VALVE

INSTALL PROP 6" WATER MAIN SHORT OF EXISTING; INSTALL TEMP PLUG & BLOWOFF FOR FLUSHING, TESTING & DISINFECTION; ISOLATE & REMOVE EX MAIN AS REQ'D. SWAB DISINFECT & INSTALL FITTINGS & CONNECTIONS; INSTALL THRUST BLOCK, RETURN MAIN TO SERVICE & OBSERVE FOR LEAKS

PROP - 35' OF 6" WATER LINE
3 - 6" VITON GASKETS
6" DIP
1 - 12"x 6" DI TEE
CONNECT W / NECESSARY FITTINGS

PROP - 65' OF 12" WATER LINE (DIP)
PROP - 15' OF 10" WATER LINE (DIP)
4 - 12" VITON GASKETS
2 - 10" VITON GASKETS
1 - 10" VALVE
1 - 12"x 12" DI TEE
1 - 12"x 10" DI REDUCER
CONNECT W / NECESSARY FITTINGS

PROP - 10' OF 8" WATER LINE
1 - 8" VALVE
8" C-900 PVC
1 - 12"x 8" DI TEE
CONNECT W / NECESSARY FITTINGS

NOTES:

PROP - 5 - CLEANOUTS

1) CONTRACTOR TO ABANDON EXISTING SANITARY SEWER SERVICE AT THE MAIN FOR PARCEL 105. ALL OTHER SEWER SERVICES TO BE RETAINED.
2) CONTRACTOR TO REPLACE THE FOLLOWING EXISTING SANITARY SEWER SERVICES IF REQUIRED TO CROSS OVER OR UNDER THE PROPOSED STORM DRAIN PIPE TO AVOID CONFLICT: PARCELS 104, 106, 107, 195, 197 & 198 IN THE EVENT A CONFLICT CANNOT BE AVOIDED, A SERVICE CONFLICT BOX WILL BE REQUIRED.
3) CONTRACTOR TO ABANDON EXISTING WATER SERVICES WITH ABANDONED WATER MAINS.
4) CONTRACTOR TO RELOCATE WATER METERS AND CONNECT TO NEW WATER MAINS AS INDICATED FOR PARCELS: 105 & 107(2).
(5) GUC TO RELOCATE WATER METERS IF REQUIRED TO CROSS OVER OR UNDER THE PROPOSED STORM DRAIN PIPE FOR PARCELS 195, 197(2) & 198.

EXISTING MANHOLE DATA

MH-60
TOP 47.32
INV. 40.01(N)
INV. 40.72(S)
INV. 40.65(E)

MH-61
TOP 52.18
INV. 45.12(N)
INV. 45.29(S)
INV. 47.24(E)

MH-62
TOP 51.05
INV. 43.57(N)
INV. 43.80(S)
INV. 43.70(E)
INV. 43.76(W)

MH-63
TOP 58.64
INV. 49.82(N)
INV. 49.91(S)
INV. 49.95(W)

MH-64
TOP 46.75
INV. 41.79(N)
INV. 41.87(S)
INV. 42.16(W)

MH-66
TOP 51.22
INV. 46.77(N)
INV. 46.69(S)
INV. 47.22(E)
INV. 47.13(W)

GRAPHIC SCALE 1" = 40'

5/4/2015 N:\Kimley-Horn\CDS (0th Street NCDOT Folder Structure\Utilities\Roy Jr\Proj\plan sheets\u3315_(0th Street Connector Plan.dgn