REVISIONS

UTILITY PLAN SHEET UC-12 CORRESPONDS WITH ROADWAY PLAN SHEET 15

UTILITY PLAN SHEET UC-12 CORRESPONDS WITH ROADWAY PLAN SHEET 12

UTILITY PLAN SHEET UC-12 CORRESPONDS WITH ROADWAY PLAN SHEET 12

Rivers & Associates, Inc.
Since 1918
107 East Second Street
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Engineers - Planners - Surveyors
NC License: F-0334

Kimley–Horn and Associates, Inc.
P.O. BOX 33068
RALEIGH, N.C. 27636–3068

PROJECT REFERENCE NO.	SHEET NO.
U – 3315	UC – 12
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 PHONE: (919) 250–4128 FAX: (919) 250–4119
CONSTRUCTION REV:	

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

48" RCP
NC HWY 11 (MEMORIAL DRIVE)
RETAIN
EXIST R/W
2GI
TDE
REMOVE
REMOVE 48" RCP
60" RCP-IV
RETAIN EX 2" STEEL GAS
8" TC
5' CONC SIDEWALK
6" CI
W
RETAIN
MH #5
TOP 53.09
INV IN (NE) 42.78
INV IN (SE) 42.14
INV OUT 42.26
MH #3
TOP 55.84
INV IN (W) 47.80
INV IN (SE) 42.76
INV IN (E) 41.87
INV OUT 41.91
EX 2" STEEL GAS
10' UTILITY EASEMENT
10' SANITARY SEWER EASEMENT
20' SANITARY SEWER EASEMENT
15' DRAINAGE EASEMENT
18" RCP
CONCRETE PARKING AREA
ADD 7' RCP
15' DRAINAGE EASEMENT
MH #4
TOP 55.30
INV OUT 50.74
25' SANITARY SEWER EASEMENT
PROP - 40' OF 6" WATER LINE
6" DIP CENTERED OVER 60" RCP STORM DRAIN PIPE
2 - MJ SLEEVES
PROP - 40' OF 2" STEEL GAS MAIN W / (2) COUPLINGS. CONNECT W / NECESSARY FITTINGS. (BY GUC)
PROP - 40' OF 8" SANITARY GRAVITY SEWER
8" PVC CENTERED OVER 60" STORM DRAIN PIPE
(207)
SCALES FAMILY 2009 TRUST
PETER J. SCALES AND
DEBORAH S. SCALES
TRUSTEE

NOTES:

1) INSTALL TEMPORARY PLUGS AT MANHOLES #3 & #5 TO ISOLATE EXISTING SEWER AT PROPOSED STORM DRAIN CROSSING.
2) BY-PASS PUMP FROM MANHOLE #5 TO MANHOLE # 3.
3) ISOLATE EXISTING GAS & WATER ON EITHER SIDE OF 60" RCP STORM DRAIN.
4) PROVIDE UNINTERRUPTED UTILITIES SERVICE TO ALL GUC CUSTOMERS SERVED BY THESE UTILITIES.
5) OPEN-CUT ROADWAY.
6) REMOVE INDICATED LENGTHS OF EXISTING SEWER, GAS & WATER MAINS.
7) INSTALL 60" RCP WITH PROPER BEDDING, BACKFILL & COMPACTION.
8) INSTALL INDICATED LENGTHS OF PROPOSED SEWER, GAS & WATER MAINS.
9) SWAB CHLORINATE WATER MAINS & FITTINGS.
10) DISCONTINUE BY-PASS PUMPING & RETURN UTILITIES TO SERVICE.
11) OBSERVE FOR LEAKS.
12) COMPLETE BACKFILL & COMPACTION OPERATIONS.

EXISTING MANHOLE DATA

MH-03
TOP 55.89
INV. 41.94(N)
INV. 42.86(SE)
INV. 41.79(W)
INV. 42.86(E)

MH-04
TOP 55.30
INV. 50.74(NW)

MH-05
TOP 53.13
INV. 42.29(S)
INV. 42.88(NE)
INV. 42.3(W)

EXISTING MANHOLE DATA

MH-06
TOP 53.35
INV. 48.10(SW)
INV. 48.28(E)

MH (B) N SIDE 5th
TOP 53.66
INV. 41.76(S)
INV. 41.63(NW)

WEST 5th STREET

40 20 0 40 80
GRAPHIC SCALE 1" = 40'

GAYLORD, THAD C (123)
JOHN W. MORRIS & WF. LISA B. MORRIS (124)
HORRY LAND COMPANY, INC. (11)
(14) REDDOG PROPERTIES
ISBKBUS
CONC
60" WOOD
30" RCP
15" RCP
25" RCP
PROP - 170' OF 2" GAS LINE
2" SDR-11 MDPE
CONNECT PROP MAIN TO EX 2" STEEL W / ADAPTER COUPLING
10' UTILITY EASEMENT
RETAIN EX GAS
EXIST R/W
PLUG & ABANDON EX GAS
REMOVE EX GAS
PROP - 19' OF 6" WATER LINE
6" C-900 PVC
1 - 6" 45° DI BENDS
CONNECT W / NECESSARY FITTINGS
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.
RETAIN EX WATER
RETAIN EX WATER
2"-24" RCP-IV
RELOCATE EXISTING 2" GAS MAIN AS NECESSARY TO INSTALL STORM DRAIN
S MEMORIAL DRIVE US 13/NC 43 NC 11 84' BST
PROP - 20' OF 8" GAS LINE
8" WRAPPED STEEL
4 - 8" 45° BENDS
LOWER EX 8" GAS MAIN TO INSTALL 18" RCP STORM DRAIN
INSTALL 12" DIP DROP DOWN ASSEMBLY (BY GUC)
PROP O/H POW LINES
T FO
8" ABS
18" RCP-IV
10' SEWER EASEMENT
10' SEWER EASEMENT
OHAGAN PL 35' BST
18" ABS
EXIST R/W
(203)
(122) 'ROPERTY OWNERS ASSOC. ET AL
(125) NEW SOUTH PROPERTIES
(126) SHN PROPERTIES, LLC C/O BRAZOS TAX GROUP, INC.
MATCH LINE -YI- STA 14+50 (SEE SHEET UC-5)

EXISTING MANHOLE DATA

MH-68
TOP 71.26
INV. 65.83(N)
INV. 65.89(S)
INV. 66.32(W)

MH-69
TOP 71.51
INV. 65.55(N)
INV. 65.60(S)
INV. 65.74(W)

MH-70
TOP 71.09
INV. 65.17(N)
INV. 65.27(S)
INV. 65.17(E)
INV. 65.14(W)

MH-71
TOP 70.61
INV. 65.06(N)
INV. 65.14(S)
INV. 65.01(E)
INV. 65.09(W)

MH-72
TOP 70.44
INV. 64.40(N)
INV. 65.68(S)
INV. 64.59(E)
INV. 64.44(W)

MH-73
TOP 69.13
INV. 63.94(N)
INV. 64.16(S)
INV. 63.86(E)
INV. 63.85(W)

NOTES: PROP - 2 - CLEANOUTS

1) 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 123 & 124.
IN THE EVENT A CONFLICT CANNOT BE AVOIDED, A SERVICE CONFLICT BOX WILL BE REQUIRED.
2) CONTRACTOR TO ABANDON EXISTING WATER SERVICES WITH ABANDONED WATER MAINS.
3) GUC TO RELOCATE WATER METERS IF REQUIRED TO CROSS OVER OR UNDER THE PROPOSED STORM DRAIN PIPE: PARCELS 123 & 124.

SOUTH MEMORIAL DRIVE

40 20 0 40 80
GRAPHIC SCALE 1" = 40'

PROP 12" x 12" TAPPING TEE
PROP THRUST COLLAR (BY GUC)
THRUST BLOCK
PROP - 20' 12" DIP WATER MAIN (BY GUC)
12" IN-LINE RESTRAINED GV (BY GUC)
RETAIN EX 12" WL
GV
EX 4" GAS
EX TEL FOCS
RETAIN EX 8" TC SAN SEWER
CLOSE VALVE, INSTALL MECHANICAL PLUG & REMOVE VALVE BOX
PROVIDE JOINT RESTRAINT AS REQ'D
PROP 12" WL
PROP 8" GAS
EX CVS SIGN
8" TRUSS
MH-73
RETAIN 8" TC
(128) COOK OUT MEMORIAL DRIVE INC
(129) MARIE S WILLIAMS
CNL INCO
VILLAGE DR 35'BST
PROP - 25' OF 12" WATER LINE (C900)
PROP - 95' OF 12" WATER LINE (DIP)
2 - 12" COUPLINGS
CONNECT W / NECESSARY FITTINGS
PROP - 10' OF ¾" GAS LINE
1 - ¾" GAS VALVE
¾" SDR-11 MDPE
1 - ¾" TAPPING SERVICE SADDLE
CONNECT TO EX SERVICE
MTL CAN
PROP - 335' OF 2" GAS LINE
2" SDR-11 MDPE
FILL CAPS
CONNECT PROP MAIN TO EX 2" MDPE
EXIST R/W
RETAIN
48" RCP
21.8'
MH-72
30" RCP
60" DIP
REMOVE
MEMORIAL DRIVE US 13 NC 43 NC 11 84' BST
ABANDON 150' 8" UTILITY PIPE
REMOVE EXISTING GAS
RELOCATE EXISTING 2" GAS MAIN AS NECESSARY TO INSTALL STORM DRAIN
REMOVE EX GAS & WATER TO INSTALL STORM DRAIN
CI-01(SEE SHEET 4)
NO RECORDS OR PIPING FOUND
PROP - 20' OF 8" SANITARY GRAVITY SEWER
8" DIP CENTERED UNDER 24" RCP STORM DRAIN PIPE
RETAIN EX WATER
8" TC
MH-68
MH-69
MH-70
MH-71
MH-74
T FO
8" SANITARY SEWER EASEMENT
PROP O/H POW LINES
15' ELECTRIC EASEMENT
RETAIN EX SAN SEWER
METER VAULT
PROP - 20' OF 8" SANITARY GRAVITY SEWER
8" DIP CENTERED OVER STORM DRAIN PIPE
PROP - 20' OF 8" SANITARY GRAVITY SEWER
8" DIP CENTERED OVER WATER MAIN
(4A) COLLICE AND ANN MOORE, LLC
PROP - 20' OF 8" SANITARY GRAVITY SEWER
8" DIP CENTERED OVER 8" GAS MAIN
PROP - 80' OF 12" WATER LINE (C900)
PROP - 83' OF 12" WATER LINE (DIP)
1 - 12" 45° DI BENDS
CONNECT W / NECESSARY CONNECTIONS
1 - 12" TAPPING VALVE
PROP - 435' OF 8" GAS LINE
8" WRAPPED STEEL
2 - 8" 45° BENDS
PROP - RELOCATE WATER METER
10' OF 1" TYPE "K" COPPER
1 - 12"x 1" TAPPING SADDLE
1 - 1" CORPORATION STOP
1 - 1" ANGLE STOP
CONNECT W / NECESSARY FITTINGS
(130) MOHAN PATEL AND RANJANA PATEL
PROP - 20' OF 8" SANITARY GRAVITY SEWER
8" DIP CENTERED UNDER 15" RCP STORM DRAIN PIPE
RELOCATE FIRE HYDRANT
6" C900 PVC
1 -12"x 6" TAPPING VALVE
PROP - 2" WATER METER
10' OF 2" SDR-21 PVC
1 - 12"x 2" TAPPING SADDLE
1 - 2" VALVE
CONNECT W / NECESSARY FITTINGS
(131) COLLICE AND ANN MOORE, LLC
EXTEND NEW 8" GAS MAIN UNDER NEW 15" RCP TOP ELEV = 66.00
MATCH LINE -YI- STA 22+00 (SEE SHEET UC-5)
SOUTH MEMORIAL DRIVE

40 20 0 40 80
GRAPHIC SCALE 1" = 40'

5/4/2015
N:\Kimley-Horn\06 10th Street NCDOT Folder Structure\Utilities\Proj_UP\Proj\plan sheets\U3315_10th Street Connector Plan.dgn