PROJECT REFERENCE NO.	SHEET NO.
U-3308	UC-10
DESIGNED BY: DGB	
DRAWN BY: JGB	
CHECKED BY: KFC	
APPROVED BY: JJW	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC. PHONE:(919)707-6690 FAX:(919)250-4151	11/30/2015 UTILITY CONSTRUCTION PLANS ONLY

PREPARED IN THE OFFICE OF:
Kimley»Horn
P.O. BOX 33068
RALEIGH, NORTH CAROLINA 27636-3068
PHONE: (919) 677-2000
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PE NO. F-0102

NORTH CAROLINA PROFESSIONAL SEAL 030056 ENGINEER JEFFREY C. WONG

DocuSigned by: 7495CFB4B8...

UTILITY CONSTRUCTION

5/14/99

20 10 0 20 40

MATCH LINE SHEET UC-9

MATCH LINE SHEET UC-11

MATCH LINE SHEET UC-20

CONNECTION DETAIL NO. 2
CONNECT TO EXISTING 16" WATER LINE
-W17- STA 10+00.00
-Y14- STA 11+30.08
OFFSET 5.22 (RT)

PROPOSED 16" VALVE
-W17- STA 10+09.97
-Y14- STA 11+20.08
OFFSET 5.43 (RT)

RECONNECT WATER METER, TYP.

RELOCATE FIRE HYDRANT

PROPOSED 4' DIA UTILITY MANHOLE
-SS14- STA 12+86.29
-Y14- STA 10+26.97
OFFSET 0.11 (LT)

PROPOSED 184 LF OF 8" SANITARY GRAVITY SEWER

ABANDON 130 LF OF 16" UTILITY PIPE

REMOVE WATER METER

MAINTAIN >1' HORIZONTAL SEPARATION BETWEEN PROPOSED DRAINAGE AND WATERLINE

PROPOSED 144 LF OF 16" WATER LINE

PROPOSED 16" VALVE
-W2- STA 36+42.20
-LALT- STA 48+84.39
OFFSET 40.34 (RT)

PROPOSED 4' DIA UTILITY MANHOLE
-SS13- STA 10+00.00
-Y15- STA 11+48.52
OFFSET 29.89 (RT)

PROPOSED 31 LF OF 8" SANITARY GRAVITY SEWER

PROPOSED 4' DIA UTILITY MANHOLE
-SS13- STA 10+30.69
-SS14- STA 12+86.29
-Y15- STA 11+56.23
OFFSET 0.18 (RT)

PROPOSED 68 LF OF 8" SANITARY GRAVITY SEWER

ABANDON 129 LF OF 16" UTILITY PIPE

ABANDON UTILITY MANHOLE, TYP.

ABANDON 351 LF OF 8" UTILITY PIPE

PROPOSED 16" VALVE
-W17- STA 11+54.02
-LALT- STA 48+92.44
OFFSET 32.81 (RT)

PROPOSED 16" VALVE
-W2- STA 36+61.71
-LALT- STA 49+02.85
OFFSET 41.49 (RT)

ABANDON 448 LF OF 12" UTILITY PIPE

PROPOSED 16"x12" REDUCER
-W2- STA 36+68.71
-LALT- STA 49+09.48
OFFSET 41.50 (RT)

PROPOSED 16"x16" CROSS
-W2- STA 36+50.20
-W17- STA 11+62.02
-LALT- STA 48+91.97
OFFSET 40.80 (RT)

PROPOSED 16"x8" REDUCER
-W17- STA 11+65.02
-LALT- STA 48+91.79
OFFSET 43.79 (RT)

PROPOSED 8" VALVE
-W17- STA 11+67.02
-LALT- STA 48+91.67
OFFSET 45.79 (RT)

PROPOSED 8" 11.25° BEND
-W17- STA 11+70.30
-LALT- STA 48+91.48
OFFSET 49.06 (RT)

ABANDON 257 LF OF 8" UTILITY PIPE

PROPOSED 385 LF OF 8" WATER LINE

REMOVE UTILITY MANHOLE, TYP.

PROPOSED 4' DIA UTILITY MANHOLE
-SS13- STA 10+98.25
-Y15- STA 11+74.00
OFFSET 65.00 (LT)

PROPOSED 104 LF OF 12" SANITARY GRAVITY SEWER

PROPOSED 4' DIA UTILITY MANHOLE
-SS18- STA 11+03.63
-LALT- STA 51+64.25
OFFSET 46.55 (LT)

PROPOSED 162 LF OF 12" SANITARY GRAVITY SEWER

PROPOSED 4' DIA UTILITY MANHOLE
-SS18- STA 10+00.00
-LALT- STA 52+67.88
OFFSET 47.36 (LT)

PROPOSED 446 LF OF 12" WATER LINE

PROPOSED FIRE HYDRANT
-W2- STA 40+00.00
-LALT- STA 52+33.96
OFFSET 41.47 (RT)

PROPOSED 4' DIA UTILITY MANHOLE
-SS18- STA 12+65.19
-LALT- STA 52+12.90
OFFSET 107.51 (RT)

-LALT-
PI Sta 49+02.53
Δ = 20° 21' 04.3" (LT)
D = 7° 38' 22.0"
L = 266.40'
T = 134.62'
R = 750.00'
SE = 0.03
RO = 87'

-Y15A-
PI Sta 10+49.23
Δ = 13° 22' 41.1" (RT)
D = 28° 38' 52.4"
L = 46.70'
T = 23.46'
R = 200.00'

NAD 83/95

ALL WATER AND SEWER LINES SHALL BE DUCTILE IRON PIPE

REMOVE UTILITY MANHOLE TOTAL: 5

RELOCATE WATER METER TOTAL: 8

SANITARY SEWER CLEAN-OUT TOTAL: 5

★ PROPOSED SIGNAL

Conc. Sidewalk or Island

Proposed Brick Pavers