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5/14/99

PROJECT REFERENCE NO.	SHEET NO.
U-5840	UC-5
DESIGNED BY: CTH	
DRAWN BY: CTH	
CHECKED BY: ASV	
APPROVED BY: XMD	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC. PHONE:(919)707-6690 FAX:(919)250-4151	UTILITY CONSTRUCTION PLANS ONLY

DocuSigned by: CAROLINA ANDREWS
ANDREWS, CAROLINA
SEAL 025221
ENGINEER
ANDREWS, CAROLINA
8/3/2018

UTILITY CONSTRUCTION

STV 100 Years
STV Engineers, Inc.
900 West Trade St., Suite 715
Charlotte, NC 28202
NC License Number F-0991

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SCALE 1" = 50'
0 50 100 150 200

NAD 83
NA 2011

TIE-IN TO EXIST. 6" WATER LINE W/ LONG PATTERN SLEEVE & CONCRETE THRUST BLOCK
45° BEND
8"X6" REDUCER

114 LF 8" WATER LINE (RESTRAINED JOINT DIP PC350)

45° BEND

2 - ADJUSTMENT OF MANHOLE

8" VALVE

14 LF WATER SERVICE LINE (1" DIA.)

8" VALVE

ADJUSTMENT OF MANHOLE

REMOVE VALVE BOX

RECONNECT FIRE HYDRANT

6" VALVE

14 LF FIRE HYDRANT LEG

8 LF WATER SERVICE LINE (1" DIA.)

RELOCATE WATER METER

8"X8"X6" FH TEE -WL1- STA. 23+16.62

8"X8"X8" TEE -WL1- STA. 23+72.80

RELOCATE WATER METER

8" VALVE

2 - 22.5° BEND -WL1- STA. 23+79.44 -WL1- STA. 23+89.17

65 LF DIP RESTRAINED JOINT PIPE -WL1- STA. 23+41 TO STA. 24+06

REMOVE VALVE BOX

8"X6" REDUCER
2 - 45° BEND

104 LF 8" WATER LINE (RESTRAINED JOINT DIP PC350)

2 - REMOVE VALVE BOX

DEFLECTION
BEGIN STA: 27+39.04
END STA: 30+14.00
BEND RADIUS: 1462.5'

DEFLECTION
BEGIN STA: 24+58.82
END STA: 26+83.53
BEND RADIUS: 1100'

ABANDON 849 LF OF 6" UTILITY PIPE (2009 LF TOTAL)

-WL1- 868 LF 8" WATER LINE (DIP PC350, 2014 LF TOTAL)

ABANDON 85 LF OF 6" UTILITY PIPE

8"X8"X4" TEE -WL1- STA. 24+99.28

4" VALVE

31 LF 4" WATER SERVICE LINE

RECONNECT WATER METER

186 LF DIP RESTRAINED JOINT PIPE -WL1- STA. 28+96 TO STA. 30+82

8"X8"X6" FH TEE -WL1- STA. 29+27.58

10 LF FIRE HYDRANT LEG

6" VALVE

FIRE HYDRANT

REMOVE FIRE HYDRANT

2 - 8" VALVE

8"X8"X8" TEE -WL1- STA. 29+54.10

8" VALVE

13 LF WATER SERVICE LINE (1" DIA.)

RELOCATE WATER METER

13 LF WATER SERVICE LINE (1" DIA.)

RELOCATE WATER METER

SANITARY SEWER CLEAN-OUT

35 LF 6" SANITARY GRAVITY SEWER (DIP PC350)

4' DIA. UTILITY MANHOLE #3

26 LF 4" SANITARY GRAVITY SEWER (DIP PC350)

TIE-IN TO EXIST. 6" WATER LINE W/ LONG PATTERN SLEEVE & CONCRETE THRUST BLOCK

SANITARY SEWER CLEAN-OUT

55 LF 8" SANITARY GRAVITY SEWER (DIP PC350)

4' DIA. UTILITY MANHOLE #2

ABANDON 90 LF OF 6" UTILITY PIPE

271 LF 8" SANITARY GRAVITY SEWER (DIP PC350)

4' DIA. UTILITY MANHOLE #1

ADJUSTMENT OF VALVE BOX

REMOVE VALVE BOX

ABANDON 93 LF OF 10" UTILITY PIPE

10"X8" REDUCER -WL1- 30+14.00

-WL1- 69 LF 10" WATER LINE (DIP PC350)

2 - 22.5° BEND -WL1- STA. 30+51.11 -WL1- STA. 30+78.03 ROTATE BENDS TO ACHIEVE HORIZONTAL & VERTICAL ALIGNMENT

-WL1- STA. 30+83.03 TIE-IN TO EXIST. 10" WATER LINE W/ LONG PATTERN SLEEVE & CONCRETE THRUST BLOCK -L- STA. 32+46.79 RT 27.93'

ADJUSTMENT OF MANHOLE

92 LF 8" SANITARY GRAVITY SEWER (DIP PC350)

MATCHLINE - SEE SHEET UC-4

MATCHLINE - SEE SHEET UC-6

SEE SHEET UC-9 FOR -WL1- PROFILE
SEE SHEET UC-11 FOR -S1- PROFILE

THE ESTIMATED QUANTITY OF DUCTILE IRON WATER PIPE FITTINGS ON THIS PLAN SHEET IS 1745 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

5/14/2018
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phillism2