PROJECT REFERENCE NO.	SHEET NO.
U-4405	UC-52

DESIGNED BY: AMH
DRAWN BY: AMH/AB
CHECKED BY: AMH
APPROVED BY: MWF
REVISED:

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

UTILITIES ENGINEERING SEC.
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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 025490 MARK W. FISHER

DocuSigned by: Mark W. Fisher 6/12/2018

UTILITY CONSTRUCTION

UTILITY CONSTRUCTION PLANS ONLY

DOCUMENT NOT CONSIDERED FINAL UNTIL ALL SIGNATURES ARE COMPLETED

PROP. STORM DRAINAGE DEPTH FOR LATERAL REPLACEMENT
EXIST. 4" SEWER LATERAL TO BE REPLACED/RELOCATED WITH DI FROM EXIST. MAIN TO PUE
EXIST. 4" SEWER LATERAL TO BE REPLACED/RELOCATED WITH DI FROM EXIST. MAIN TO PUE
PROP. GRADE
EXIST. GRADE ALONG WATER LINE
EXIST. 4" SEWER LATERAL TO BE REPLACED/RELOCATED WITH DI FROM EXIST. MAIN TO PUE
PROP. STORM DRAINAGE DEPTH FOR LATERAL REPLACEMENT
PROP. 12"x12"x6" FIRE HYDRANT TEE -WL-26- STA. 30+21.39
PROP. 2" SADDLE TAP -WL-26- STA. 30+07.45
PROP. GRADE
PROP. 12" 45°RJ BEND -WL-26-STA. 30+45.76
EXIST. 4" SEWER LATERAL TO BE REPLACED/RELOCATED WITH DI FROM EXIST. MAIN TO PUE
EXIST. 15" RCP AND JUNCTION BOX
PROP. 30" RCP
PROP. 2" SADDLE TAP EXIST 12" RCP
EXIST 15" RCP
EXIST 24" RCP
EXIST. 4" SEWER LATERAL TO BE REPLACED/RELOCATED WITH DI FROM EXIST. MAIN TO PUE
PROP. 329 LF OF 12" DI WATER LINE
EXIST. 4" SEWER LATERAL TO BE REPLACED/RELOCATED WITH DI FROM EXIST. MAIN TO PUE
EXIST. 15" RCP
EXIST. 18" RCP
EXIST. 8" WATER
PROP. 55 LF OF 12" RJ DI WATER LINE
PROP. 12"x6" RJ DI FIRE HYDRANT TEE AND -WL-26- STA. 22+12.79
160 LF OF 12" RJ DI WATER LINE
PROP. 131 LF OF 12" DI WATER LINE
PROP. 12" 45°RJ DI BENDS -WL-26- STA. 23+78.91 -WL-26- STA. 23+83.50
PROP. 12"x6" RJ DI FIRE HYDRANT TEE AND -WL-26- STA. 22+12.79
PROP. 12" 45°RJ DI BEND -WL-26- STA. 22+95.75
PROP. 12" 45°RJ DI BEND -WL-26- STA. 22+74.09
PROP. 12"x12"x8" RJ DI TEE -WL-26- STA. 23+76.73
EXIST. 15" RCP
EXIST. 6" CI WATER LINE
PROP. 12"x12"x8" RJ TEE -WL-26- STA. 26+67.21 -CWL-EY42- STA. 0+00
EXIST. 8" VC GRAVITY SEWER
PROP. 12" RJ GATE VALVE -WL-26- STA. 26+74.65
PROP. 307 LF OF 12" DI WATER LINE
PROP. 12" 45°RJ DI BENDS -WL-26- STA. 25+50.29 -WL-26- STA. 25+69.40
APPROX. DEPTH OF EXIST. SANITARY SEWER FOR LATERAL REPLACEMENT
PROP. 12" 45° RJ VERTICAL BEND(S) -WL-26- STA. 29+26.59 -WL-26- STA. 29+29.47
PROP. 284 LF OF 12" RJ DI WATER LINE
PROP. 12" 45° RJ VERTICAL BEND(S) -WL-26- STA. 29+66.18 -WL-26- STA. 29+69.16
PROP. 12" 45°RJ BEND -WL-26-STA. 30+90.62
PROP. 12" 45° RJ VERTICAL BEND(S) -WL-26- STA. 31+54.84 -WL-26- STA. 31+56.67
PROP. 151 LF OF 12" RJ DI WATER LINE

SEE PLAN SHEETS UC-24, UC-25, UC-26, AND UC-27
-WL-26-

PROP. STORM DRAINAGE DEPTH FOR LATERAL REPLACEMENT
EXIST. GROUND
PROP. GRADE
EXIST. CUVERT BOXES AND 15" RCP
PROP. 12" 45°RJ BEND -WL-26- STA. 35+35.90
PROP. 30" RCP
EXIST. 15" RCP
PROP. 15" RCP
EXIST. 6" AC WATER
PROP. 12" RJ GATE VALVE-WL-26- STA. 38+93.11
PROP. 12"x12"x6" RJ DI FIRE HYDRANT TEE AND 6" RJ DI HYDRANT LEG -WL-26-STA. 35+29.59
PROP. STORM DRAINAGE DEPTH FOR LATERAL REPLACEMENT
PROP. 12" 45° RJ VERTICAL BEND(S) -WL-26- SAT. 35+79.28 -WL-26- STA. 35+82.29 -WL-26- STA. 36+89.08 -WL-26- STA. 36+91.57
PROP. 12" 45° RJ DI VERTICAL BEND -WL-26- STA. 35+41.70
PROP. 12" 45°RJ DI BEND -WL-26- STA. 37+34.81
PROP. 12" RJ GATE VALVE -WL-26- STA. 40+26.02
PROP. 12"x12"x12 RJ TEE -WL-26- STA. 40+26.02 -WL-25- STA. 0+00
PROP. 12" RJ GATE VALVE -WL-26- STA. 41+09.69
END STL. ENCASEMENT -WL-26- STA. 41+06.77
END -WL-26- STA. 41+15.64 -WL-28- STA. 42+35.54 12"x12"x12" RJ TEE -L- STA. 312+49.75 (32.57' LT)
SEE NOTE 1
-L- STA. 312+49.71 (32.57' LT) NCGS 222 40+83.222
PROP. 12"x12"x8" RJ TEE -WL-26- STA. 38+78.80
PROP. 12"x12"x6" FIRE HYDRANT TEE -WL-26- STA. 39+33.94
PROP. 290 LF OF 12" DI WATER LINE
BEG. STL. ENCASEMENT -WL-26- STA. 40+48+20
59 LF OF 24" STL. ENCASEMENT PIPE (0.250" THICKNESS)
EXIST. 12" VC SEWER LINE
EXIST. 8" VC SEWER LINE INVERT 186.98 NOT SHOWN
PROP. 91 LF OF 12" RJ DI WATER LINE
EXIST. 4" SEWER LATERAL TO BE REPLACED/RELOCATED WITH DI FROM EXIST. MAIN TO PUE
EXIST. 12" CI WATER
PROP. 227 LF OF 12" RJ DI WATER LINE
EXIST. 4" SEWER LATERAL TO BE REPLACED/RELOCATED WITH DI FROM EXIST. MAIN TO PUE

SEE PLAN SHEETS UC-24, UC-25, UC-26, AND UC-27
-WL-26-

PROP. 12" 45° RJ DI BEND -WL-27- STA. 0+37.45
PROP. 12" 45° RJ DI BEND -WL-27- STA. 0+55.07
PROP. 12" 45° RJ DI BEND -WL-27- STA. 0+71.40
EXIST. & PROP. GRADE
PROP. 12" RJ DI TEE -WL-27- STA. 0+75.10 -WL-28- STA. 45+21.68
PROP. 82 LF OF 12" RJ DI WATER LINE
PROP. 12"x8" RJ REDUCER -WL-27- STA. 0+84.83
PROP. 12" 45° RJ DI BEND -WL-27- STA. 0+32.04
PROP. 12" 11.25° RJ DI BEND -WL-27- STA. 0+28.20
PROP. 12"x12"x6" FIRE HYDRANT TEE
PROP. 12" RJ GATE VALVE -WL-27- STA. 0+13.18
PROP. 12" 11.25° RJ DI BEND -WL-27- STA. 0+09.81
PROP. 12" 11.25° RJ DI BEND -WL-27- STA. 0+08.07
CONNECT TO EXIST. 12" CI USING 12" MJ FULL BODY SLEEVE WITH RESTRAINING GLANDS
BEG. -WL-27- STA. 0+00 -WL-28- STA. 44+62.99
PROP. 766 LF OF 8" DI WATER LINE
PROP. 8"x8"x6" RJ DI FIRE HYDRANT TEE -WL-27- STA. 3+78.13
EXIST. SEWER LATERAL TO BE REPLACED
APPROX. DEPTH OF EXIST. SANITARY SEWER FOR LATERAL REPLACEMENT

SEE PLAN SHEETS UC-24 & UC-25
-WL-27-

5/28/99
31-MAY-2018 14:32
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