DOCUMENT NOT CONSIDERED FINAL
UNTIL ALL SIGNATURES ARE COMPLETED

PROJECT REFERENCE NO.	SHEET NO.
U-4405	UC-35
DESIGNED BY: AMH	
DRAWN BY: AMH/AB	
CHECKED BY: AMH	
APPROVED BY: MWF	
REVISED:	

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
UTILITIES ENGINEERING SECT.
PHONE: (919)707-6690
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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

PROPOSED 24"x24"x24" TAPPING SLEEVE AND 24" BEVELED GEAR GATE VALVE (FLXRJ) -WL-5- STA 0+00.00
PROPOSED 24" 45° RJ BEND -WL-5- STA 0+15.13
PROPOSED 24" 45° RJ BEND -WL-5- STA 0+19.31
PROP. UG GAS
EX. UG TELEPHONE
PROP. 15" RCP
EXISTING GRADE ALONG PROPOSED WATER LINE
PROPOSED GRADE ALONG PROPOSED WATER LINE
EXIST. 18" RCP
EXIST. UG TELE.
PROP. UG TELE.
PROPOSED 24" 45° RJ BEND -WL-5- STA 4+62.18
4' MIN.
2' MIN.
10" MIN.
PROP. 80 LF OF 24" RJ DI WATER LINE
PROP. 54" RCP (SEE NOTE 1)
PROP. 310 LF OF 24" WATER LINE
PROPOSED 24" 45° RJ BEND -WL-5- STA 4+23.66
PROP 24"x24"x6" RJ TEE -WL-5- STA 3+53.28
PROP 255 LF OF RJDIP WATERLINE
PROP. 110 LF OF 24" RJ DI WATER LINE
REMOVE EXIST 24" BUTTERFLY VALVE
EXIST 24" VALVE (TYP. 2)
PROP 24" RJ GATE VALVE -WL-5- STA 8+72.74
PROP. 15" RCP
EXIST. 36" RCP (WILL BE ABANDONED)
PROPOSED 24" RJ GATE VALVE -WL-5- STA 8+49.82
PROPOSED 24" 45° VERTICAL RJ BEND -WL-5- STA 8+24.65
CONNECT TO EXISTING 24" WATER LINE WITH 24" DI RJ SOLID SLEEVE AND RESTRAINING GLANDS -WL-5- STA 8+75.24
EXIST 24" DIP, CLASS 54 WITH CONCRETE ENCASEMENT
PROPOSED 24" 45° VERTICAL RJ BEND -WL-5- STA 8+64.14
2' MIN.
PROP. 120 LF OF 24" RJ DI WATER LINE
PROPOSED 24" 45° RJ BEND -WL-5- STA 7+93.74
PROPOSED 24" 45° RJ BEND -WL-5- STA 8+02.24
PROPOSED 24" 45° RJ BEND -WL-5- STA 8+10.27
PROPOSED 24" 45° RJ BEND -WL-5- STA 8+15.00
PROPOSED 24" 45° VERTICAL RJ BEND -WL-5- STA 8+32.27
PROPOSED 24"x24" RJ TEE -WL-5- STA 8+37.33 -WL-6- STA 0+00.00
PROPOSED 24" 45° RJ BEND -WL-5- STA 8+44.27
PROPOSED 24" 45° VERTICAL RJ BEND -WL-5- STA 8+60.10

UTILITY NOTES:
1. CONTRACTOR IS RECOMMENDED TO INSTALL 54" DRAINAGE AND WL-5 CONCURRENTLY BETWEEN DRAINAGE STRUCTURE 0603 AND STRUCTURE 0606

SEE SHEET UC-6 FOR PLAN
-WL-5-

EX. 8" GAS (TO BE ABANDONED)
EXIST UG TELE
EDGE OF PAVEMENT
EX UG TELE
PROP 15" RCP
RAEFORD RD
EX UG GAS
EX UG TELE
PROP UG GAS
PROP UG TELE
PROPOSED 10'x10' BORE ENTRY PIT AT APPROXIMATE TOP OF SLOPE
EXISTING 24" DIP
EXIST. 6" AQUA WATER
PROP 54" RCP
PROP 6" AQUA WATER LINE DESIGN BY OTHERS
EXISTING 36" RCP (TO BE ABANDONED)
EXIST 15" RCP
EXISTING 24" RCP (TO BE REPLACED)
18" MIN.
8" MIN.
PROPOSED 24"x24"x24" TAPPING SLEEVE AND VALVE (FLXRJ) -WL-6- STA 2+22.68
PROPOSED 24"x24"x24" RJ TEE AND 24" GATE VALVE -WL-5- STA 8+37.33 -WL-6- STA 0+00.00
PROP 24"x24"x12" TEE -WL-6- STA 1+95.39
PROPOSED 24" 45° RJ BEND -WL-6- STA 1+89.96
PROPOSED 20'x40' RECEIVING PIT WITH 1:1 SIDE SLOPE
PROPOSED 24" 90° RJ BEND -WL-6- STA 1+63.32
EXIST 12" VCP SANITARY SEWER
PROPOSED 156 LF OF 36"x 0.375" THICK STEEL ENCASEMENT W/ 24" CL50 RJDIP BY BORE AND JACK AT 2.41% SLOPE IN SOIL
PROP 223 LF OF 24" RJ DI WATER LINE

SEE SHEET UC-6 FOR PLAN
-WL-6-

PROPOSED 10'x10' BORE ENTRY PIT AT APPROXIMATE TOP OF SLOPE
PROP UG TELEPHONE
EXIST. UG TELEPHONE
EXIST. UG TELEPHONE
EXIST. GAS
EXIST. UG TELEPHONE
EXIST. EOP
EXIST. UG TELEPHONE
EXISTING GRADE ALONG PROPOSED WATER LINE
PROPOSED 20'x40' RECEIVING PIT WITH 1:1 SIDE SLOPE
PROPOSED 12" 45° VERTICAL RJ BEND -WL-7- STA 1+76.85
EXIST. EOP
EXIST UG TELE
PROP UG GAS
PROP UG TELE
EX UG TELE
PROPOSED GRADE ALONG PROPOSED WATER LINE
EXIST UG TELE
PROP. UG GAS
EX UG TELE
EXIST. 6" AQUA WATER
EXIST UG POWER
EXISTING 6" RCP
EX UG TELE
EX UG TELE
EXISTING 6" RCP
EXISTING 18" RCP
EXISTING 8" RCP
EXISTING 12" RCP
EXIST UG TELE
EXIST 18" RCP
EXIST 8" AQUA WATER
EXISTING 54" RCP
2' MIN.
EXISTING 24" RCP
2' MIN.
4' MIN. COVER, TYP.
4' MIN. COVER, TYP.
2' MIN.
PROPOSED 12" 22.50° VERTICAL RJ BEND -WL-7- STA 1+42.02
PROPOSED 92 LF OF 24"x 0.375" THICK STEEL ENCASEMENT W/ 12" CL50 RJDIP BY BORE AND JACK
EXIST 24" DIP (TO BE ABANDONED AND REMOVED BEFORE BORE AND JACK)
PROPOSED 24" 45° BEND -WL-7- STA 0+17.74
PROPOSED 12" RJ GATE VALVE -WL-7- STA 0+14.67
PROPOSED 12" 45° VERTICAL RJ BEND -WL-6- STA 0+12.82
PROPOSED 12" 45° VERTICAL RJ BEND -WL-6- STA 0+10.26
PROPOSED 12"x12"x6" RJ TEE -WL-17- STA 0+09.17
PROP 24"x12" RJ REDUCER -WL-7- STA 5+00.00
PROP 24"x24"x24" RJ TEE -WL-6- STA 2+08.74 -WL-7- STA 0+00.00
PROPOSED 12" 45° VERTICAL RJ BEND -WL-7- STA 1+79.44
PROPOSED 12" 22.50° VERTICAL RJ BEND -WL-7- STA 1+63.49
330 LF OF 24" RJ DIP
PROPOSED 12" 45° RJ BEND -WL-7- STA 2+68.04
PROPOSED 12" 45° RJ BEND -WL-7- STA 3+14.75
PROPOSED 1020 LF OF 12" DI WATER LINE

SEE SHEET UC-6, UC-7 AND UC-8 FOR PLAN
-WL-7-

5/28/99
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U-4405 Reeds
dhumphrey
AT WR1993
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Fayetteville Public Works Commission\20150177000RA Raeford Road NCDOT U 4405\CADD\NCDOT PLANS\Utilities