PROJECT REFERENCE NO.	SHEET NO.
U-4405	UC-25

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

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
UTILITIES ENGINEERING SEC.
PHONE:(919)707-6690
FAX:(919)250-4151

8/3/2018
NORTH CAROLINA PROFESSIONAL SEAL 025490 ENGINEER MARK W. FISHER
UTILITY CONSTRUCTION PLANS ONLY

UTILITY CONSTRUCTION

DOCUMENT NOT CONSIDERED FINAL UNTIL ALL SIGNATURES ARE COMPLETED

NC GRID NAD 83/NA 2011

MATCHLINE SEE SHEET UC-24 -L- STA 283+00

MATCHLINE SEE SHEET UC-26 -L- STA 296+00

NEXT IN LINE VALVE IS APPROX. 608' (NEAR INTERSECTION OF MICHAEL ST.) FROM PROP. TIE-IN LOCATION

PROP. 8" VALVE

PROP. 91 LF OF 8" WATER LINE

RELOCATE 1" WATER METER W/ PROP. 25 LF OF SERVICE LINE

NEXT IN LINE VALVE APPROX. 620' FROM PROP. TIE-IN LOCATION

NEXT IN LINE VALVE IS APPROX. 700' FROM PROP. TIE-IN LOCATION WITH FIRE LINES AND BRANCH VALVES RANGING IN SIZE FROM 6" TO 8" BRANCHING OFF PRIOR TO IN-LINE VALVES

PROP. 8" VALVE

PROP. 24 LF OF 8" WATER LINE

PROP. 8" RJ PLUG

-L- STA. 287+73.52 (150.19' LT)

CONNECT TO EXIST. 6" CI WATER PIPE USING 6" MJ DI SOLID SLEEVE AND RESTRAINING GLANDS

NEXT IN LINE VALVE IS APPROX. 1300' FROM PROP. TIE-IN PLACE (NEAR EXECUTIVE PLACE) WITH FOUR SEPARATE FIRE LINES RANGING IN SIZE 6" TO 8" BRANCHING OFF PRIOR TO IN LINE VALVE

PROP. 16 LF OF 6" WATER LINE

CONNECT TO EXIST. 8" AC WATER PIPE USING 8" APPROVED DI/AC TRANSITION SLEEVE

PROP. 8"x8"x8" RJ TEE (2) - 6" 45°BENDS

ABANDON 76 LF OF 8" UTILITY PIPE

28 LF OF 6" WATER LINE

PROP. 6" VALVE

CONNECT TO EXIST. 6" CI WATER PIPE USING 6" MJ DI SOLID SLEEVE AND RESTRAINING GLANDS

PROP. 8" RJ PLUG

PROP. 8" RJ PLUG

CONNECT TO EXIST. 6" CI WATER PIPE USING 6" MJ DI SOLID SLEEVE AND RESTRAINING GLANDS

PROP. 17 LF OF 6" WATER LINE

PROP. 8"X8"x6" RJ TEE (2) 6" 45°BENDS

PROP. 8"x8"x6" RJ TEE (2) - 6" 45°BENDS

PROP. 6" VALVE

PROP. 8" VALVE

-L- STA. 284+54.86 (96.78' LT)

PROP. 8"x8"x6" RJ TEE (2) - 6" 45°BENDS

ABANDON 165 LF OF 6" UTILITY PIPE

PROP. 35 LF OF HYDRANT LEG

PROP. 6" VALVE

PROP. 11 LF OF 6" WATER LINE

ABANDON 93 LF OF 6" UTILITY PIPE

PROP. 8" VALVE

PROP. 8" RJ PLUG

PROP. 8" VALVE

PROP. 25 LF OF 8" WATER LINE

PROP. 8"x8"x8" TEE

PROP. 28 LF OF 8" WATER LINE

ABANDON 107 LF OF 6" UTILITY PIPE

PROP. 8"x8"x8" RJ TEE

-WL-28- STA. 13+76

-L- STA. 284+34.09 (68.81' LT)

PROP. FIRE HYDRANT

REMOVE FIRE HYDRANT

-WL-28- STA. 17+00.64

-L- STA. 287+55 (59.52' LT)

PROP. FIRE HYDRANT
PROP. 6" VALVE
PROP. 18 LF OF FIRE HYDRANT LEG

PROP. 8" VALVE

RELOCATE 1" WATER METER W/ PROP. 19 LF OF SERVICE LINE

REMOVE METER (TYP. 2)

PROP. 8" VALVE

PROP. FIRE HYDRANT
PROP. 6" VALVE
PROP. 6 LF OF FIRE HYDRANT LEG

RELOCATE 1" WATER METER W/ PROP. 7 LF OF SERVICE LINE

RELOCATE 2" WATER METER W/ PROP. 7 LF OF 2" SERVICE LINE
PROP. 2" VALVE

1316 LF OF PROP. 8" WATER LINE

ABANDON 542 LF OF 6" UTILITY PIPE

PROP. 8" VALVE

PROP. FIRE HYDRANT
PROP. 6" VALVE
PROP. 18 LF OF FIRE HYDRANT LEG

ABANDON 8" UTILITY PIPE

PROP. FIRE HYDRANT
PROP. 6" VALVE
PROP. 17.6 LF OF FIRE HYDRANT LEG

PROP. FIRE HYDRANT
PROP. 6" VALVE
PROP. 6 LF OF FIRE HYDRANT LEG

PROP. 12" VALVE

RELOCATE 1" WATER METER W/ PROP. 7 LF OF SERVICE LINE

PROP. 12"x12"x8" TEE
-CWL-EY38- STA. 0+00.00
-WL-26- STA. 12+39.45
-L- STA. 285+15 (63.74' RT)

RELOCATE 2" BACK FLOW PREVENTION ASSEMBLY

RELOCATE 1" WATER METER W/ PROP. 7 LF OF SERVICE LINE

PROP. SPLIT SERVICE TO BE INSTALLED PER PWC DETAILS W.3 & W.3B

RELOCATE 1" WATER METER W/ PROP. 7.5 LF OF SERVICE LINE (TYP. 2 PLACES)

RELOCATE 1" WATER METER (TYP. 2) W/ PROP. 17 LF OF SERVICE LINE

RELOCATE 2" WATER METER W/ PROP. 7 LF OF 2" SERVICE LINE
PROP. 2" VALVE

RELOCATE 1" WATER METER W/ PROP. 7 LF OF SERVICE LINE

RELOCATE 1" WATER METER W/ PROP. 7 LF OF SERVICE LINE (TYP. 2 PLACES)

PROP 110 LF OF 8" WATER LINE

ABANDON 156 LF OF 6" UTILITY PIPE

NEXT IN LINE VALVE IS APPROX. 250' FROM PROP. TIE-IN LOCATION

RELOCATE 1" WATER METER W/ PROP. 7 LF OF SERVICE LINE

PROP. 1" WATER METER W/ PROP 8 LF OF SERVICE LINE (TYP. 2 PLACES)

REMOVE FIRE HYDRANT

PROP. 6" VALVE

PROP. 12 LF OF HYDRANT LEG

PROP. FIRE HYDRANT

RELOCATE 1" WATER METER W/ PROP. 7 LF OF SERVICE LINE

PROP. 8"x8"x6" TEE (2) 6" RJ 45° BENDS

CONNECT TO EXIST. 6" CAST IRON WATER PIPE USING 6" DI MJ SOLID SLEEVE AND RESTRAINING GLANDS

PROP. 32 LF OF 6" WATER LINE

PROP. 6" VALVE

PROP. 8" RJ PLUG

PROP. 1,308 LF OF 12" WATER LINE

ABANDON 1,300 LF OF 12" UTILITY PIE

PROPOSED 5,490 POUNDS OF DUCTILE IRON WATER PIPE FITTINGS

NOTES:
SEE SHEET UC-51 & UC-52 FOR -WL-26- PROFILE
SEE SHEET UC-53 & UC-54 FOR -WL-28- PROFILE

REVISIONS

UTILITY REV.- JULY 23,2018 - SWITCHED TWO VALVES ON WL-28 NEW LOCATIONS ARE AT -WL-28- STA 19+62.50 AND -WL-28- STA 24+12.49
ADDED LABELS TO EXISTING VALVES

2015017700RA Raeford Road NCDOT U 4405\CADD\NCDOT PLANS\Utilities\Engineering\UC\Proj\u4405_ut_rdy25_uc25_psh.dgn

27-JUL-2018 14:18
LANDCADD Fayetteville Public Works Commission
abermann