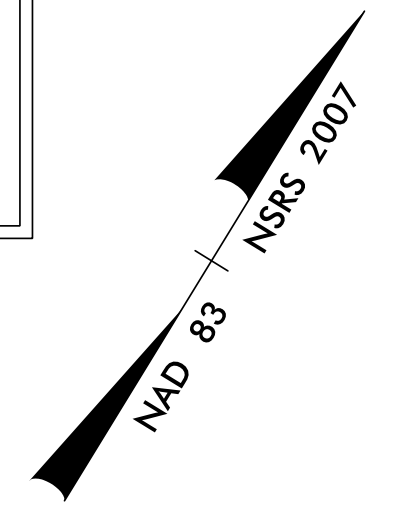


5/14/24

SENSITIVE INFORMATION
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City of Greensboro



- 11-REMOVE WATER METER
 - WLB- STA. 10+72.32, 32.8' RT
 - WLB- STA. 10+83.14, 32.0' RT
 - WLB- STA. 11+36.09, 32.8' RT
 - WLB- STA. 12+50.64, 36.0' RT
 - WLB- STA. 13+04.24, 33.7' RT
 - WLB- STA. 13+06.63, 33.5' RT
 - WLB- STA. 13+74.01, 32.3' RT
 - WLC- STA. 10+40.08, 3.00' RT
 - WLC- STA. 10+90.25, 2.30' LT
 - WLC- STA. 11+00.13, 43.9' LT
 - WLC- STA. 11+79.27, 43.4' LT

- 3-5/8" WATER METER
55.1 LF WATER SERVICE LINE
- 441.0 LF 8" WATER LINE
- WLC- (RJ DI PC350)
- FIRE HYDRANT
3.8 LF FIRE HYDRANT LEG
6" VALVE
- 8"X6" TEE
PER COG STD 101
- WLC- STA. 11+02.39
- 2.0° HORIZONTAL DEFLECTION
- WLC- STA. 11+25.39
- 8" VALVE
- WLC- STA. 11+62.84
- TIE-IN TO EXIST. 6" WATER LINE
W/ LONG PATTERN SLEEVE AND
CONCRETE THRUST COLLAR

- REMOVE FIRE HYDRANT
-WLC- STA.
12+61.09, 38.2' LT
- 5.0 LF 6" WATER LINE
-WLC- (RJ DI PC350)
- 45° BEND (HORZ.)
-WLC- STA. 10+43.13

- BEGIN CONSTRUCTION
-Y1- STA. 10+28.00
- TIE-IN TO EXIST. 6" WATER
LINE W/ LONG PATTERN SLEEVE
AND CONCRETE THRUST COLLAR
- WLC- STA. 10+00.00
- 8" VALVE
- 45° BEND (HORZ.)
- 8"X6" REDUCER
- WLC- STA. 10+05.00
- WLC- STA. 10+10.00
- WLC- STA. 10+18.00
- ABANDON 430.0 LF 6" UTILITY PIPE
(1233.1 LF TOTAL)
- 2-11.25° BENDS (VERT.)
- WLC- STA. 10+59.02
- WLC- STA. 10+64.48
- 0.99° VERTICAL DEFLECTION
- WLC- STA. 11+50.61

PROJECT REFERENCE NO. Y-4807B	SHEET NO. UC-04
DESIGNED BY: ABN	
DRAWN BY: ABN	
CHECKED BY: ASV	
APPROVED BY:	
REVISED:	2/9/2024
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	
UTILITY CONSTRUCTION PLANS ONLY	

UTILITY CONSTRUCTION

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

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

- 3-5/8" WATER METER
115 LF WATER SERVICE LINE
- WLB- STA. 10+72.09
- WLB- STA. 10+81.82
- WLB- STA. 11+40.13

- 2-RECONNECT WATER METER
- 4-11.25° BENDS (VERT.)
- WLC- STA. 13+41.24
- WLC- STA. 13+49.84
- WLC- STA. 13+59.84
- WLC- STA. 13+71.32
- FIRE HYDRANT
31.3 LF FIRE HYDRANT LEG
6" VALVE
- REMOVE FIRE HYDRANT
- 12"X6" TEE
PER COG STD 101
- WLB- STA. 11+23.91

END CONSTRUCTION
-Y2- STA. 11+50.00

BEGIN TIP PROJECT Y-4807B
-L- STA. 16+66.17

- 52.4 LF 6" WATER LINE
- SEE DETAIL C (RJ DI PC350)
- 0.8° VERTICAL DEFLECTION
- WLC- STA. 12+20.69
- 1.9° VERTICAL DEFLECTION
- WLC- STA. 12+64.34
- 6" VALVE
- 8"X6" TEE
- WLC- STA. 11+72.91
- 5/8" WATER METER
52.3 LF WATER SERVICE LINE
- 2.5° HORIZONTAL DEFLECTION
- WLC- STA. 12+07.28
- 22.5° BEND (HORZ.)
- WLC- STA. 12+49.14

- 5-5/8" WATER METER
141.9 LF WATER SERVICE LINE
- 5-REMOVE WATER METER
- 8" VALVE
- 12"X8" TEE
- WLB- STA. 13+80.76
- WLD- STA. 10+00.00
- WLD- STA. 10+05.00
- 2-5/8" WATER METER
93.6 LF WATER SERVICE LINE
- REMOVE FIRE HYDRANT
2-REMOVE WATER METER
- 2-45° BENDS (HORZ.)
- WLB- STA. 14+34.95
- WLB- STA. 14+54.26

BEGIN CONSTRUCTION
-L- STA. 10+70.00

- 2-RECONNECT WATER METER
- 90° BEND (HORZ.)
- WLA- STA. 10+10.00
- 0.97° VERTICAL DEFLECTION
- WLA- STA. 10+13.45
- 21.8 LF 6" WATER LINE
- TIE-IN TO EXIST. 6" WATER LINE W/
LONG PATTERN SLEEVE AND
CONCRETE THRUST COLLAR
- WLA- STA. 10+00.00

- 49.1 LF 1-1/2" WATER SERVICE LINE
- 2-22.5° BENDS (VERT.)
- WLC- STA. 14+31.60
- WLC- STA. 14+38.94
- 12" VALVE
- WLB- STA. 12+22.24
- 8" VALVE
- 12"X8" TEE
- WLB- STA. 12+30.24
- WLC- STA. 14+40.92
- WLC- STA. 14+45.92
- 2-22.5° BENDS (VERT.)
- WLB- STA. 12+88.90
- WLB- STA. 12+92.44
- 0.70° VERTICAL DEFLECTION
- WLB- STA. 13+44.16
- 12" VALVE
- WLB- STA. 13+67.16
- 464.3 LF 12" WATER LINE
- WLB- (RJ DI PC350)
- 8" VALVE
- WLD- STA. 13+37.55
- 5/8" WATER METER
24.8 LF WATER SERVICE LINE
- REMOVE EXIST. 8" CAP AND TIE-IN TO
EXIST. WATER LINE WITH LONG PATTERN
SLEEVE AND CONCRETE THRUST COLLAR
- WLD- STA. 14+29.80
- REMOVE WATER METER
- 8" VALVE
- 11.25° BEND (HORZ.)
- WLD- STA. 13+04.71
- 45° BEND (ROTATED)
- WLD- STA. 12+84.72
- 10'X15' RECEIVING PIT
- 22.5° BEND (HORZ.)
- WLD- STA. 13+61.81

- 2-45° BENDS (HORZ.)
- WLB- STA. 14+34.95
- WLB- STA. 14+54.26
- REMOVE FIRE HYDRANT
2-REMOVE WATER METER
- 2-45° BENDS (HORZ.)
- WLB- STA. 14+34.95
- WLB- STA. 14+54.26

2-6" PIPE CAPS
INSTALL CAP ON
ACTIVE WATER LINE
WITH THRUST
BLOCKING
PER COG STD 106

1-6" PIPE PLUG

1-6" PIPE CAP

1-1/2" BLOW
OFF
18.6 LF 1-1/2"
WATER SERVICE
LINE

- 5/8" WATER METER
11.8 LF WATER SERVICE LINE
- FIRE HYDRANT
11.0 LF FIRE HYDRANT LEG
6" VALVE
- 6"X6" TEE
PER COG STD 101
- 57.4 LF WATER SERVICE LINE
- REMOVE WATER METER
CONNECT NEW SERVICE LINE
TO EXISTING SERVICE LINE
- ABANDON 296.6 LF 6" UTILITY PIPE
(1233.1 LF TOTAL)
- END CONSTRUCTION
-DR2- STA. 13+29.82
- ABANDON 468.6 LF 12" UTILITY PIPE
(468.6 LF TOTAL)
- ABANDON 506.5 LF 6" UTILITY PIPE
(1233.1 LF TOTAL)

- 6" VALVE
- WLA- STA. 10+15.74
- 12"X6" REDUCER
- WLA- STA. 10+21.74
- TIE-IN TO EXIST. 12" WATER
LINE W/ LONG PATTERN SLEEVE
AND CONCRETE THRUST COLLAR
- WLA- STA. 10+51.41
- 12"X12" TEE
- WLA- STA. 10+27.74
- WLB- STA. 10+00.00
- 29.7 LF 12" WATER LINE
- WLA- (RJ DI PC350)
- 90° BEND (HORZ.)
- WLA- STA. 10+41.41
- ABANDON 468.6 LF 12" UTILITY PIPE
(468.6 LF TOTAL)
- ABANDON 506.5 LF 6" UTILITY PIPE
(1233.1 LF TOTAL)

- 12" VALVE
- WLB- STA. 12+22.24
- 8" VALVE
- 12"X8" TEE
- WLB- STA. 12+30.24
- WLC- STA. 14+40.92
- WLC- STA. 14+45.92
- 2-22.5° BENDS (VERT.)
- WLB- STA. 12+88.90
- WLB- STA. 12+92.44
- 0.70° VERTICAL DEFLECTION
- WLB- STA. 13+44.16
- 12" VALVE
- WLB- STA. 13+67.16
- 464.3 LF 12" WATER LINE
- WLB- (RJ DI PC350)
- 8" VALVE
- WLD- STA. 13+37.55
- 5/8" WATER METER
24.8 LF WATER SERVICE LINE
- REMOVE EXIST. 8" CAP AND TIE-IN TO
EXIST. WATER LINE WITH LONG PATTERN
SLEEVE AND CONCRETE THRUST COLLAR
- WLD- STA. 14+29.80
- REMOVE WATER METER
- 8" VALVE
- 11.25° BEND (VERT.)
- WLD- STA. 13+04.71
- 45° BEND (ROTATED)
- WLD- STA. 12+84.72
- 10'X15' RECEIVING PIT
- 22.5° BEND (HORZ.)
- WLD- STA. 13+61.81

END CONSTRUCTION
-DR1- STA. 10+80.00

- 2.5° VERTICAL DEFLECTION
- WLD- STA. 10+31.41
- FIRE HYDRANT
27.1 LF FIRE HYDRANT LEG
6" VALVE
- 8"X6" TEE
PER COG STD 101
- WLD- STA. 10+43.19
- 11.25° BEND (ROTATED)
- WLD- STA. 10+59.54
- 20'X40' BORE PIT

THE FACILITIES WILL BE
ABANDONED IN PLACE IN
ACCORDANCE WITH NCR 102
SECTION 2.6

INSET
MATCHLINE -Y1- STA. 20+40.00

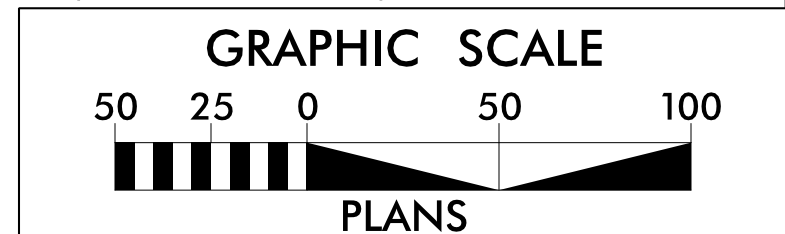
- 8" VALVE
- 4-45° BENDS (VERT.)
- TIE-IN TO EXIST. 8" WATER LINE W/
LONG PATTERN SLEEVE AND
CONCRETE THRUST COLLAR.
- REMOVE EXISTING
VALVE
- 20.0 LF 8" WATER LINE
- CONSTRUCT (RJ DI PC350)
SEE DETAIL B

- 5/8" WATER METER
24.8 LF WATER SERVICE LINE
- REMOVE EXIST. 8" CAP AND TIE-IN TO
EXIST. WATER LINE WITH LONG PATTERN
SLEEVE AND CONCRETE THRUST COLLAR
- WLD- STA. 14+29.80
- REMOVE WATER METER
- 8" VALVE
- 11.25° BEND (HORZ.)
- WLD- STA. 13+04.71
- 45° BEND (ROTATED)
- WLD- STA. 12+84.72
- 10'X15' RECEIVING PIT
- 22.5° BEND (HORZ.)
- WLD- STA. 13+61.81

- 219.2 LF BORE AND JACK OF 16"
239.2 LF 16" ENCASUREMENT PIPE
(0.375" WALL THICKNESS)
- 429.8 LF 8" WATER LINE
- WLD- (RJ DI PC350)
- 4-11.25° BENDS (VERT.)
- WLD- STA. 13+81.84
- WLD- STA. 13+91.47
- WLD- STA. 14+06.47
- WLD- STA. 14+16.79
- SEVER AND REMOVE EXIST. 8"
PIPE AND TIE-IN TO EXIST.
8"X8" TEE
- 8"X6" REDUCER
- TIE-IN TO EXIST. 6" WATER
LINE W/ LONG PATTERN SLEEVE
AND CONCRETE THRUST COLLAR
- 5.0 LF 6" WATER LINE
(RJ DI PC350) SEE DETAIL A
- 24.7 LF 8" WATER LINE
(RJ DI PC350) SEE DETAIL A

HATCHING INDICATES AREAS OF OPEN CUT ON CITY OF GREENSBORO STREETS. SEE SHEET UC-3 FOR PROJECT SPECIFIC NOTES REGARDING OPEN CUT AREAS.

THE ESTIMATED QUANTITY OF DUCTILE IRON WATER FITTINGS ON THIS PLAN SHEET IS 6825 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.



2/8/2024 C:\Proje\Sheet\Y-4807B.ut\UC04.psh.dgn