

5/14/2022

PROJECT REFERENCE NO.		SHEET NO.	
R-4705		UC-51	
DESIGNED BY: SLK		3/25/2022	
DRAWN BY: SLK			
CHECKED BY: AMM			
APPROVED BY: AMM		NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
REVISED:		UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151		1223 Jones Franklin Rd. Raleigh, N.C. 27606 License No. F-0377 Bus: 919 851 8077 Fax: 919 851 8107	

UTILITY CONSTRUCTION PLANS

FINAL DESIGN

RELEASE FOR CONSTRUCTION

TIE TO EXISTING 6" PVC SEWER MAIN. RESTRAIN NEW 6" C900 CL 150 DR18 PVC TO EXISTING 6" PVC FORCE MAIN SEWER. COORDINATE WORK WITH TOWN OF WILLIAMSTON.

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EXISTING 6" PVC SEWER LINE (APPROXIMATE LOCATION)

TIE TO EXISTING 10" PVC WATER MAIN. RESTRAIN NEW 10" C900 DR 18 PC 150 PVC TO EXISTING. COORDINATE WORK WITH TOWN OF WILLIAMSTON.

85 LF 6" FORCE MAIN SEWER
C900 DR 18
CL 150 PVC

146 LF 12" WATER MAIN
C900 DR 18
CL 150 PVC

160 LF 6" FORCE MAIN SEWER
C900 DR 18
CL 150 PVC

152 LF 6" FORCE MAIN SEWER
C900 DR 18
CL 150 PVC

TIE TO EXISTING 6" PVC SEWER MAIN. RESTRAIN NEW 6" C900 CL 150 DR18 PVC TO EXISTING 6" PVC FORCE MAIN SEWER. COORDINATE WORK WITH TOWN OF WILLIAMSTON.

EXISTING 10" PVC WATER LINE AND 6" PVC SEWER LINE (APPROXIMATE LOCATION)

PROVIDE HORIZONTAL BEND AS REQUIRED (TYP)

EXISTING 10" PVC WATER LINE (APPROXIMATE LOCATION)

PROVIDE HORIZONTAL BEND AS REQUIRED (TYP)

146 LF 10" WATER LINE
C900 DR 18
CL 150 PVC

PROVIDE HORIZONTAL BEND AS REQUIRED (TYP)

EXISTING 12" PVC WATER LINE AND 6" PVC SEWER LINE (APPROXIMATE LOCATION)

10'X10' RECEIVING PIT

PROVIDE HORIZONTAL BEND AS REQUIRED (TYP)

12" VALVE
FIRE HYDRANT
12 LF
FIRE HYDRANT LEG

EXISTING 12" PVC WATER LINE AND 6" PVC SEWER LINE (APPROXIMATE LOCATION)

12" TEE

8" VALVE

10'X10' RECEIVING PIT

10'X20' BORE PIT

PROVIDE HORIZONTAL BEND AS REQUIRED (TYP)

PROVIDE HORIZONTAL BEND AS REQUIRED (TYP)

SEE SHEET UC-50
MATCHLINE -L- STA. 480+00.00

MATCHLINE -L- STA. 493+00.00
SEE SHEET UC-52

83 LF 16" ENCASEMENT PIPE (0.250" THICK)

83 LF BORE AND JACK OF 16"

180 LF 6" WATER LINE
C900 DR 18
CL 150 PVC

10'X20' BORE PIT

ABANDON 137 LF 12" UTILITY PIPE

ABANDON 150 LF 6" UTILITY PIPE

49 LF 16" ENCASEMENT PIPE (0.250" THICK)

49 LF BORE AND JACK OF 16"

260 LF 8" WATER LINE
C900 DR 18
CL 150 PVC

ABANDON 196 LF 8" UTILITY PIPE

75 LF 12" WATER LINE
C900 DR 18
CL 150 PVC

ABANDON 67 LF 12" UTILITY PIPE

ABANDON 75 LF 6" UTILITY PIPE

TIE TO EXISTING 6" PVC WATER MAIN. RESTRAIN NEW 6" C900 DR 18 PC 150 PVC TO EXISTING. COORDINATE WORK WITH TOWN OF WILLIAMSTON.

TIE TO EXISTING 12" PVC WATER MAIN. RESTRAIN NEW 12" C900 DR 18 PC 150 PVC TO EXISTING. COORDINATE WORK WITH TOWN OF WILLIAMSTON.

TIE TO EXISTING 10" PVC WATER MAIN. RESTRAIN NEW 10" C900 DR 18 PC 150 PVC TO EXISTING. COORDINATE WORK WITH TOWN OF WILLIAMSTON.

RECONNECT EXISTING 8" WATER LINE WITH 8" TEE AND 8" VALVE

THRUST BLOCKING IS REQUIRED (SEE DETAIL WL-M-4)

173 LF 4" FORCE MAIN SEWER
C900 DR 18
CL 150 PVC

TIE TO EXISTING 12" PVC WATER MAIN. RESTRAIN NEW 12" C900 DR 18 PC 150 PVC TO EXISTING. COORDINATE WORK WITH TOWN OF WILLIAMSTON.

3,530 LBS. DUCTILE IRON WATER PIPE FITTINGS

33 LF 3/4" WATER SERVICE LINE

825 LBS. DUCTILE IRON SEWER PIPE FITTINGS

KEY NOTES:

- ① PROPOSED 3/4" WATER METER
- ② 3/4" WATER SERVICE LINE
- ③ PROPOSED SANITARY SEWER CLEAN-OUT
- ④ SEWER SERVICE LINE
- ⑤ SEE PIPE CONNECTION DETAIL FROM RJ DIP TO PVC PIPE DETAILS SHOWN ON SHEET 40-C.

TIE TO EXISTING 10" PVC WATER MAIN. RESTRAIN NEW 10" C900 DR 18 PC 150 PVC TO EXISTING. COORDINATE WORK WITH TOWN OF WILLIAMSTON.

TIE TO EXISTING 4" PVC SEWER MAIN. RESTRAIN NEW 4" C900 CL 150 DR18 PVC TO EXISTING 4" PVC FORCE MAIN SEWER. COORDINATE WORK WITH TOWN OF WILLIAMSTON.

- SEE SHEET UC-57 FOR -WL7- PROFILE
- SEE SHEET UC-57 FOR -WL8- PROFILE
- SEE SHEET UC-57 FOR -WL9- PROFILE
- SEE SHEET UC-57 FOR -WL10- PROFILE
- SEE SHEET UC-58 FOR -WL16- PROFILE
- SEE SHEET UC-60 FOR -SL3- PROFILE
- SEE SHEET UC-60 FOR -SL4- PROFILE
- SEE SHEET UC-60 FOR -SL5- PROFILE
- SEE SHEETS UC-60 AND UC-61 FOR -SL6- PROFILE

REVISIONS

3/25/2022 uc51_rdy41.uc51_psh.dgn