

SCDOT – US1 AT I-20 GMR PROCEDURES

WO#: WFM.G10972

Project #: G10972

MAOP: 60 psig

Design MAOP: 60 psig

Operating Pressure: 40 psig

Test Pressure: 100-115 psig

NOTE: If performing work in or near a station include inlet and outlet MAOP and Operating Pressure.

Field Procedures

1. Review (and sign) safety tailboard and review plans/procedures.
2. Install 590' of 6" steel main (P-1) and fittings as per proposed drawing.
3. Test P-1 to 100-115 psig for a minimum of 4 hours. Blow down after verification of successful test.
4. Install 2,440' of 6" steel main (P-2), 1,040' of 4" steel main (P-3), and fittings as per proposed drawing.
5. Test P-2 and P-3 to 100-115 psig for a minimum of 8 hours. Blow down after verification of successful test.
6. Test all new fittings to 100-115 psig for a minimum of 15 minutes. Blow down after verification of successful test.
7. Verify that all valves are in the open position.
8. Tap proposed 6" steel bottom-out fitting F-1.
9. Purge P-1 to 100% natural gas at purge point #1.
10. Tap proposed 6" steel bottom-out fitting F-2.
11. Tie over all existing services.
12. Stop off proposed 6" steel bottom-out fitting F-2.
13. Stop off proposed 6" steel bottom-out fitting F-1.
14. Purge EX-1 using 100% nitrogen at purge point #2 to 0% natural gas at purge points #3 and #4.
15. Cut EX-1 at cut and cap points #1 and #2.
16. Soap test all exposed fittings.
17. Tap proposed 6" steel bottom-out fitting F-3.
18. Purge P-2 and P-3 to 100% natural gas at purge point #4 and #5.
19. Tap proposed 6" steel bottom-out fitting F-4.
20. Tap proposed 4" steel bottom-out fitting F-5.
21. Tie over all existing services.
22. Stop off proposed 6" steel bottom-out fitting F-3.
23. Stop off proposed 6" steel bottom-out fitting F-4.
24. Stop off proposed 4" steel bottom-out fitting F-5.
25. Purge EX-2, EX-3, and EX-4 with 100% nitrogen at purge point #6 to 0% natural gas at:
 - a. Purge point #7
 - b. Purge point #8
 - c. Purge point #9

- d. Purge point #10
 - e. Purge point #11
26. Cut and cap EX-1 at cut and cap points #3 and #4.
 27. Cut and cap EX-2 at cut and cap point #5.
 28. Soap test all exposed fittings.
 29. Complete and return as-built, fitting sheets, pipeline test report, HDD as-builts, valve sheets, and any other required paperwork.