

LCRA Water and Wastewater Utility Notes:

1. LCRA is the water and/or wastewater service provider for this development. A pre-construction meeting with LCRA shall be held prior to commencement of construction to schedule inspection of installation of water/wastewater facilities. Water facilities will be inspected up to, and including, the water meter and/or fire hydrants. The contact number for LCRA is (512) 469-6839, Construction Services.
2. The City of Austin standard construction specifications current at the time of bidding shall govern material and methods used to do this work.
3. Contractor shall obtain a street cut permit from the City of Bee Cave or other appropriate party before beginning construction within the right-of-way of a public street or alley.
4. LCRA shall be contacted at (512) 469-6839 at least 48 hours before connecting to LCRA existing water and/or wastewater facilities.
5. Contractor shall contact the Austin area "One Call" system at 472-2822 for existing utility locations prior to any excavation. In advance of construction, the contractor shall verify the location of all utilities to be extended, tied to, or altered, or subject to damage/inconvenience by the construction operations.
6. No other utility service/appurtenances shall be placed near the property line, or other assigned location designated for water and wastewater utility service that would interfere with the water and/or wastewater services.
7. The separation distance between water mains, wastewater mains, and other utilities shall comply with TCEQ rules or have a variance approved by TCEQ before submitting piping assignments to the LCRA.
8. The City of Austin Specification Item 509S will be required as a minimum trench safety measure. Contract documents, which include a trench safety plan and a pay item for trench safety measures, in compliance with Texas House Bill 1569, must be received by the Engineer of Record and LCRA before beginning work on the project.
9. All material tests, including soil density tests and related soil analysis, shall be accomplished by an independent laboratory funded by the developer in accordance with City of Austin Standard Specification Item 1804S.4.
10. Pressure taps shall be in accordance with City of Austin Standard Specification Item 510.3(24). Contractor shall perform all work and shall furnish all materials needed to make the connection. Contractor shall schedule all such connections in advance and such schedule must be approved by the LCRA before beginning the work. At least 48 hours notice shall be given to LCRA prior to making the connection, and a representative from LCRA shall be present when the connection is made. "Size on Size" taps will not be permitted, unless made by use of an approved full circle-gasketed tapping sleeve. Concrete blocking shall be placed behind and under all tap sleeves 24 hours prior to making the wet tap.
11. Thrust restraint shall be in accordance with City of Austin Standard Specification Item 510.3(22).
12. Fire hydrant shall be set in accordance with City of Austin Standard Specification Item 511S.3 E) and shall be approved by the Fire Department or other appropriate party prior to installation.
13. Water line testing and sterilization shall be performed in accordance with City of Austin Standard Specification Items 510.3(27) and (29).and/or TCEQ rules.
14. Contractor shall submit a Disinfection and Flushing Plan, in accordance with the City of Austin Standard Specification Item 510.3(29), to the LCRA for approval. Required flushing volumes, flushing schedule, and method of disposal of flush water shall be included in the plan.

15. Force main testing shall be performed in accordance with the City of Austin Standard Specification Item 510.3(27) and/or TCEQ rules.
16. Gravity sanitary sewer main testing shall be performed in accordance with the City of Austin Standard Specification Items 510.3(26) and/or TCEQ rules. In addition, all gravity sanitary sewer mains shall be televised prior to acceptance by LCRA. Digital files (via CD-ROM) clearly showing televised recording shall be submitted to the Engineer of Record following inspection.
17. Locator "Finder" Wire – All non-metallic waterlines shall have a finder wire located above the pipe. The wire shall be poly-insulated No. 10 solid copper and will terminate at each isolation valve such that it is accessible from the valve stack.
18. Locator "Finder" Wire – All non-metallic wastewater force main piping shall have a finder wire located above the pipe. The wire shall be poly-insulated No. 10 solid copper and should be terminated at readily accessible locations throughout the collection system.
19. All valve risers shall have a 1'-6" square concrete box poured around them at finished grade.
20. All manholes shall be lined with a corrosion resistant lining approved by the LCRA.
21. Bolted and gasketed covers shall be used for all manholes located in the 100 year floodplain. Where there are more than three gasketed manholes in a row, vents shall be provided on every third manhole.
22. The down stream end of any force main shall be terminated in a sanitary sewer manhole in a manner to minimize turbulence.
23. Contractor shall have all necessary Erosion and Sedimentation Controls in place prior to commencing water/wastewater facility construction.
24. Record Drawings, as stipulated in the LCRA Water & Wastewater Utilities Design Criteria, shall be submitted to the Engineer of Record and furnished to LCRA upon completion of the project.