

## APPENDIX C

### East Cherry Creek Valley Water and Sanitation District

#### GENERAL NOTES FOR SANITARY SEWER SYSTEM PLANS

1. All sanitary sewer system plans and construction shall conform with the current East Cherry Creek Valley Water and Sanitation District Specifications and shall be subject to construction observation by District personnel or representatives. Copies of the District's Specifications may be obtained from the District. The Owner, his Engineer or Contractor, shall schedule a preconstruction meeting with the District at least 48 hours prior to the start of construction. Accepted construction plans, reviewed and signed by the District Manager and District Engineer, will be distributed at the preconstruction meeting. No construction will be permitted until all easements are signed and recorded and the preconstruction meeting has been held.
2. The Contractor shall be responsible for the protection of all utility lines whether shown on the plans or not. The Contractor shall coordinate his activities with the affected utility companies and shall notify the Utility Notification Center, phone number: 303-534-6700, 48 hours prior to starting construction.
3. The pipe for sanitary sewer mains shall be in accordance with ASTM D-3034 SDR 35 PVC pipe in paved R-O-W's and easements, and AWWA C 900, Class 150 in unpaved easements.
4. Contractor shall have in his possession at all times one (1) signed copy of plans approved by the District Manager and the District Engineer.
5. As-built drawings as required in the specifications are to be submitted by the Contractor prior to probationary acceptance of the construction.
6. The Contractor shall be responsible for removing and replacing any existing signs, structures, fences, etc., encountered on the job and restoring them to their original condition.
7. Probationary acceptance of the new sanitary sewer mains will not be considered until all requirements for acceptance have been met, including
  - a. Testing results
  - b. Sanitary sewer trench compaction test results, and,
  - c. Record drawings.
8. The sanitary sewer system will be tested in accordance with the District Specifications.
  - a. Lamp 100% of the new system,
  - b. Low pressure air test 100% of the new system
  - c. Deflection test 33% of the new system for depths < 15 ft. and 100% for
    - i. depths  $\geq$  15 ft.

9. Manhole rims shall be set at an elevation relative to the pavement, in accordance with the appropriate City, County or State Highway Department Standards. Whether or not the manhole is in a paved or unpaved area, a minimum of four-inches (4") of concrete riser rings shall be used to adjust rim elevations to final grade. The maximum acceptable vertical adjustment utilizing riser rings is twelve inches (12").
10. Existing pipe at the point of connection shall not be "broken out" and no service connections will be made until the new system is tested and accepted.
11. It shall be the Design Engineer's responsibility to resolve construction problems with the District due to changed conditions encountered by the Contractor during the progress of any portion of the proposed work. If, in the opinion of the District, proposed alterations to the signed construction plans involves significant changes to the character of the work, or to the future contiguous public or private improvements, the Design Engineer shall be responsible for submitting revised plans to the District for review prior to any further construction related to that portion of the work.
12. The Contractor agrees that he shall assume sole and complete responsibility for job site conditions during the course of construction of the project, including safety of all persons and property; that this requirement shall apply continuously, and not be limited to normal working hours; and that the Contractor shall defend, indemnify and hold harmless from any and all liability, real or alleged, in connection with the performance or work on this project, excepting for liability arising from the sole negligence of the Owner, the Engineer, or the County.
13. The Contractor shall verify existing manhole inverts at proposed points of connection, prior to construction staking.
14. The Contractor shall take care to properly shape all manhole inverts and benches in accordance with District Specifications. Manhole inverts shall be constructed with a smooth trowel finish, and benches finished with a light broom, non-skid finish.
15. The District, its representative, and/or the District Engineer, is not a guarantor of the construction Contractors' obligations and performance of contract.
16. Observations of work in progress and on-site visits are not to be construed as a guarantee by the District or District Engineer, of the Contractors' performance.
17. The District and/or District Engineer, is not responsible for safety in, on, or about the Project site, nor for compliance by the appropriate party of any regulations relating thereto.
18. The District and/or District Engineer, exercises no control of the safety or adequacy of any equipment, building components, scaffolding, forms, or any other work aids used in or about the project, or in the superintending of the same.
19. All new mains must be jetted prior to probation and may be required again prior to final conveyance and acceptance by the District. Costs of jetting will be the

- responsibility of the Owner. The Contractor will be responsible for all pumping associated with the line jetting.
20. Underdrain systems are not part of the District's Sanitary Sewer System and are not to be designed, reviewed, accepted, or subject to construction observation or maintenance by the District.
  21. The Contractor shall be responsible for removing any groundwater encountered during the construction of any portion of this project. Groundwater shall be pumped, piped, removed, and disposed of in a manner which does not cause flooding of existing streets nor erosion
  22. The Owner is responsible for all costs associated with plan review and construction observation.
  23. The Constrictor shall provide the required insurance certificates to the District before beginning construction.