

MIDWAY SEWER DISTRICT

SANITARY SEWER NOTES

1. All work and materials shall be in accordance with Midway Sewer District and the Department of Ecology Criteria for sewage work design.
2. The contractor shall obtain all necessary permits prior to any construction.
3. The sanitary sewer pipe shall be PVC, conforming to ASTM D-3034, SDR 35, unless otherwise specified. Bedding and backfill shall be as required by Midway Sewer District.
4. All connections to existing manholes shall be done in the presence of a representative of Midway Sewer District.
5. A preconstruction conference shall be held prior to the start of construction, and should be attended by the contractor, engineer, owner, other utilities and representatives of Midway Sewer District.
6. The new sanitary sewer line shall be plugged and not put into service until all lines have been cleaned, flushed and tested. All sanitary lines shall be inspected by the Midway Sewer District and all testing shall be done in the presence of the Midway Sewer District Representative.
7. G.U. Liner (Predl) manhole bases, or equal, to be installed on new manholes.
8. The locations and sizes of existing underground utilities are shown in an approximate way only from information of record. The contractor shall determine the exact location and size of all existing utilities before commencing work. The contractor agrees to be fully responsible for any and all damages which might be occasioned by the contractor's failure to exactly locate and preserve any and all underground utilities.
9. Prior to starting construction, the contractor shall call "one-call" (811) for utility locations (water, sanitary sewer, storm sewer, gas, power, telephone and television.)
10. Any revisions made to these plans must be reviewed and approved by Midway Sewer District prior to any implementation in the field.
11. All pipe inverts and pipe lengths are measured and calculated to the center of manholes.
12. Bedding material for sewer pipes shall be 4" bedding and 4" padding consisting of either 5/8" crushed rock or pea gravel.
13. Backfill shall be compacted in multiple lifts meeting 95% compaction per A.S.T.M. Standards. Depth of lifts depends on type of compactor used.
14. A cold mix patch will be immediately placed and maintained over compacted backfill in a manner acceptable to the local right of way authority.
15. A permanent hot mix patch, the same thickness as the original asphalt or minimum of 2", whichever is greater, will be placed and sealed with paving grade asphalt within 30 calendar days.
16. All side sewers shall be extended to property lines. Pipe plugs will be required for side sewer if immediate connection is not to be made.
17. Where new asphalt meets existing asphalt, contractor shall sawcut old to provide a clean sharp edge to match to. Tack coat shall be applied to insure a proper bond between the old and new asphalt.
18. Asphalt shall be cut to a width equal to the trench width plus additional foot on both sides.

19. The contractor shall be responsible for providing adequate safeguards, safety devices, protective equipment, flaggers, and any other needed actions to protect the life, health, and safety of the public, and to protect property in connection with the performance of work covered by the contract. Any work within the traveled right-of-way that may interrupt normal traffic flow shall require at least one flagger for each lane of traffic affected.
20. Compaction of subgrades for all commercial development parking lots and roadways shall comply with compaction requirements for King County maintained roadways. The subgrades under all areas to be paved shall be firm and unyielding and compacted to 95% of the maximum density (per Standard Proctor Test.) Proof rolling prior to paving is required to insure stability.
21. Manhole covers shall be cast iron bolt down type. (EJ 3705)
22. Type S mortar (Non-shrink grout) shall be used for all grouting work inside the manhole. Redline, Fast Patch, Speed Crete or any other quick setting concrete shall NOT be used for any grout work. A mixture of Portland Cement & sand is acceptable.
23. Final project acceptance by Midway Sewer District is pending approval of engineers as-built, project cost, and any necessary Quit Claims and or Easement & Bill of Sale.

24. Internal concrete channels, benches and fillets shall be formed using Low Shrinkage Class 000D 5 sack mix with pea gravel to 5/8-inch (max size) aggregate conforming to Section 6-02.3 of the Standard Specifications. The water-cement ratio shall not exceed 0.38. A water-reducing admixture shall be included in the mix. All interior and exterior manhole joints, pick holes, and riser sections shall be sealed & grouted with Portland Cement & Sand Only. Calcium may be used.