

CITY OF TOLLESON
ENGINEERING DEPARTMENT

SEWER NOTES

1. All construction shall be in accordance with current MAG Specifications and Details.
2. The contractor shall obtain all necessary permits prior to construction.
3. City of Tolleson Building Department shall be notified 24 hours prior to starting each phase of construction. Phone, (623) 936-7111.
4. Any work performed without the approval of the City of Tolleson Building Department and/or all work and material not in conformance with the specifications is subject to removal and replacement at the contractor's expense.
5. The contractor will uncover all existing lines being tied into to verify their location. The contractor will locate, or have located, all existing underground utilities (electric, telephone, pipeline, etc.) and structures in advance of construction and will eliminate all conflicts prior to start of construction. BLUE STAKE telephone number (602) 263-1100.
6. The City of Tolleson is not responsible for liability accrued due to delays and/or damages to utilities in conjunction with this construction. Also, the City will not participate in the cost of construction or utility relocation.
7. No final inspection walk through will be scheduled until "as-built" plans have been submitted by the Engineer or Surveyor for review. No final acceptance shall be issued until "as-built" plans have been reviewed and approved by the City Engineer. Upon approval, the Owner shall provide to the City one set of mylar reproducible plans, two blackline copies, and one digital copy on CD in .tif format.
8. Backfilling shall not be started until lines are approved by the City.
9. All sewer lines shall be pressure tested and mandrel tested per MAG specifications. Upon completion of testing and flushing, all sewer lines shall be video inspected with the videotape provided to the City Engineer.
10. Manhole steps to be polypropylene type only.
11. All manhole rings and covers to be cast iron. Manhole lids on public manholes shall be imprinted "Tolleson Sanitary Sewer." Manhole lids on private manholes shall be imprinted "Private Sanitary Sewer" or "Private Sewer."
12. Precast manholes shall have impression ring type bases.
13. Cast-in-place concrete manhole bases shall be vibrated to ensure adequate concrete support under pipe stubs.

14. All taps shall be wye type.
15. Connections to existing sewer mains shall be accomplished by machine tapping, utilizing a saddle, or by construction of a manhole.
16. Sewer taps should be a minimum 4-1/2 feet deep at property line. To raise the tap from the mains deeper than 6 feet, the wye and 1/8 bend shall be set at a 45 degree angle from horizontal and a short piece of straight pipe shall be placed on the 1/8 bend. Another 1/8 bend is placed at the other end of the short pipe to bring the tap to appropriate grade at the property line.
17. Traffic control shall be maintained in accordance with MAG Spec. 401 and the Manual on Uniform Traffic Control Devices.
18. All sewer line compaction shall be Type 1. Backfill around manholes shall be Type III backfill per MAG Section 601.
19. All sewer service connections shall be extended a sufficient distance beyond the street right-of-way lines to clear all facilities to be installed in Public Utility Easements which parallel the street right-of-way.
20. Disposal of excess material within the City Limits is prohibited. A use permit is required for disposal or stockpiling of material within a residential area.
21. Stockpiling of excavated material shall not exceed a height of six (6) feet above the natural ground elevation.
22. The slopes on all sides of the stockpiled excavated material shall not exceed a 1 to 4 ratio of height to length.
23. The contractor shall provide adequate means for cleaning trucks and/or other equipment of mud prior to entering public streets. It is the contractor's responsibility to clean streets and take whatever measures are necessary to ensure that all roads are maintained in a clean, mud and dust free condition at all times.
24. Applications for Street Cut Permits must be approved by the Building Department prior to approval of improvement plans. All pavement replacement shall be in accordance with MAG Standard Detail 200, "T" Top Type.
25. All contractors shall contract for private trash pickup.
26. Any and all damage to existing public improvements shall be repaired by the contractor to the City's satisfaction prior to issuance of final project acceptance.
27. I hereby certify that the "as-built" information as shown hereon was made under my supervision, or as noted, and is correct to the best of my knowledge and belief.

Registered Professional Engineer or Licensed Surveyor

Date