

GENERAL CONSTRUCTION NOTES

(Revised January 09, 2018)

Notes 1 - 9 are typically added to all plans.

Notes 10 – 35 are as needed.

1. Tucson Water Standard Detail No. 105, "General Construction Notes," shall apply to and become an integral part of this contract. All design standards, materials, and workmanship are to be in accordance with Tucson Water Standard Specifications and Details, 2017 Edition and Engineering Directives and Policies.
2. Construction water for pressure testing, chlorinating and flushing shall be provided through the existing water system and shall cost \$ _____, plus tax. Construction water for trench backfill and compaction and other construction needs shall be through an approved metered water source obtained from Tucson Water Customer Service Division under a separate permit/agreement.
3. This water system is designed to accommodate _____ GPM fire flow, for _____ hours.
4. At the time of plan approval, this development is located within _____ zone. Minimum design pressures for this development are as follows:
 1. Static pressure: _____ psi.
 2. Peak day pressure: _____ psi.
 3. Peak day + fire flow: _____ psi.Due to water system operational variances pressure will vary as much as 10 psi +/-.
5. _____ L.F. of new pipeline (excluding water service line 2" and less in diameter) will be installed per this project. A pipeline inspection fee of \$7.00 per linear foot of pipeline installed will be assessed prior to issuance of "notice to proceed".
6. Effective August 11, 2003 payment of the Water System Equity Fee is required at the time of water meter application, per Ordinance No. 9842, amendment to the Tucson Code, Section 27-36.
7. Effective Monday, July 9, 2007, the CAP Water Resource fee shall be assessed in addition to the System Equity Fee for all new Potable Water Meter connections.
8. After January 4, 2014, the Contractor shall furnish and install all pipe, fittings, appurtenances or any other materials to be in contact with potable water in accordance with the lead-free requirements defined by the "Reduction of Lead in Drinking Water Act of 2011" amending Section 1417 of the Safe Drinking Water Act.
9. This project will be required to use Automatic Meter Reading (AMR) equipment. The developer will be held responsible for the care and condition of the AMR meter, transmitter and meter box. The additional cost of the AMR equipment will be determined at the time of meter application in accordance with Chapter 27 Section 35 of the City of Tucson Code.
10. The responsible party for fire service billing is the owner/developer as called out on the plan.
11. This water system is designed to accommodate _____ GPM fire flow. Indemnification agreement required due to insufficient fire flow, per construction agreement #5. Residential/Commercial sprinklers may be required per local fire department authority.
12. This development falls within an isolated water service area (New Services information only).
13. This project is within the Continental Ranch service area; a Continental Ranch reimbursement may apply. Contact New Development at 791-4718 for processing requirements.

14. This development falls within _____ area specific water system plan. In addition to the standard connection fee, a water development fee must be paid.
15. New water main shall be installed with _____ “of minimum cover per S.D. 105, unless otherwise indicated on these plans.
16. All fittings shall be restrained per Tucson Water Standard Detail 600, unless results of approved engineering calculations are provided. For pipe 16” and greater in diameter approved engineering calculations must be documented in this plan.
17. This project may receive higher than normal pressure and may require individual pressure regulators as part of the private plumbing; The installation of a pressure regulator may create a closed system. Consult local plumbing codes for pressure relief and thermal expansion requirements.
18. This project may receive lower than normal pressure and may require individual pressure boosters as part of the private plumbing.
19. The new water main designated in this plan as protected will be protected for a period of 15 years per Section 27-38 of the Tucson Code starting on _____ and terminating on _____.
20. This project will not be finaled until payment has been received by Tucson Water for protected main fees, as established by PN _____.
21. This project connects to a protected facility established by PN _____. In addition to all other standard connection fees a protected facility fee of \$_____ per connection is due at time of meter application per Tucson City Code Section 27-37.
22. This project will not be finaled until the following plan is finaled; _____, PN _____.
23. The pipeline will be oversized by Tucson Water from _____” to _____”, from Station _____ to Station _____. The project applicant will be eligible for an oversize refund in accordance with Tucson Water Code Section 27-37 (c) and Section 27-38.
24. This project will not be finaled until the owner of the well (Registry # _____) located on this property has filed a waiver with Arizona Department of Water Resources (ADWR) allowing Tucson water to exceed 10 Ft of additional cumulative draw-down over a 5-year period. Documentation verifying ADWR waiver must be submitted to Tucson Water Hydrology Division, Attn: Charles Faas, before project finalization. In addition, all Tucson Water metered connections will require backflow protection.
25. This project will not be finaled until well (Registry # _____) located on this property has been properly abandoned in accordance with provisions of Arizona Department of Water Resources (ADWR) Regulation R-12-15-816. Documentation of well abandonment must be submitted to Tucson Water Hydrology Division, Attn: Charles Faas, before project finalization.
26. If any well(s) are encountered during construction they are to be properly registered and abandoned in accordance with provisions of Arizona Department of Water Resources (ADWR) Regulation R-12-15-816. Documentation of well registration and abandonment must be submitted to Tucson Water Resource Management Division, Att. Chuck Faas, 837-2231, before project finalization.
27. Access for Tucson Water shall be the same as for City of Tucson Fire Department (24 Hour Emergency access) being: _____ (*proper description filled in here*).
28. In accordance with the Tucson Code, Chapter 27-37 (4) b, this project will not be finaled until the protected facility fees for _____ have been paid. The fee for this project is \$ _____.

29. This project utilizes a water service of 3" or greater (i.e. large meter) and requires an easement per SD-340 for the service lateral and the large meter enclosure. The service lateral shall be ductile iron from the distribution main terminating in a vertical, plain end joint with mechanically restrained end cap set at 48" above grade. Tucson Water will install the meter assembly upon final acceptance of the project. For additional information, contact New Services at (520)791-5164.
30. If residential single-family fire suppression is to be installed, a dedicated 1" minimum water service line and a minimum 3/4" meter are required for each residence/parcel.
31. Where 1" split services are approved for use by Tucson Water, the split service can only accommodate two 5/8" meters or one 5/8" meter and one 3/4" meter. The use of two 3/4" meters on a 1" split service will not be permitted.
32. This project may impact a transmission main or metallic pipeline. Final acceptance will not be granted until the corrosion report has been approved. See SD-700. Contact Paul Acosta at 837-2409 for technical assistance.
33. A large meter enclosure per SD-314 (Engineering Directive 01-2012) shall be required to protect the meter assembly and backflow device.
34. The Owner shall indemnify Tucson Water (City of Tucson) against any and all damage to private facilities located in public water easements.
35. This project falls within an area that requires locking fire hydrants.

All Cases:

- 1/8" minimum lettering, typical.
- General contract notes included in S.D. 105 shall not be duplicated on the plan.
- Notes 1 through 9, as shown above, shall be included on all water plans.
- Notes 10 through 35, as shown above, shall be included on water plans where applicable.
- Additional notes may be required.