

GENERAL WATER NOTES

Last Revised: 1/2006

1. All materials and construction procedures within the scope of this project shall be approved by the San Antonio Water System (SAWS) and comply with the following as applicable:
 - A. Current "San Antonio Water System Standard Specifications for Construction"
 - B. Current "San Antonio Water System Utility Service Regulations"
 - C. Current City of San Antonio "Standard Specifications for Public Works Construction"
 - D. Current TxDOT "Standard Specification for Construction of Highways, Streets and Drainage"
 - E. Current City of San Antonio "Right - Of - Way Ordinance and Criteria Manual".
2. The Contractor shall not proceed with any pipe installation work until they obtain a copy of the approved G.C.P. from the Consultant and has been notified by SAWS Construction Inspection Division to proceed with the work and has arranged a meeting with the inspector and consultant for the work requirements.
3. The locations and depths of existing utilities, including service laterals, and drainage structures shown on the plans are approximate only. The Contractor shall verify the exact location and depths of underground utilities at least 48 hours prior to construction whether shown on plans or not, and to protect the same during construction.

San Antonio Water System (Water, Sewer & Recycle Water)	233-2010
COSA Drainage	207-2800
City Sidewalk and Trenching Division	821-3240
COSA Traffic Signal Operations	207-7765
"Texas State Wide One Call Locator	1-800-545-6005
City Public Service	
South Western Bell	"
Time Warner	"
Valero Energy Co.	"
Bexar Metropolitan Water District	354-6536
4. No meter boxes to be set in driveways. Any meter boxes set in driveways will be relocated at contractor's and/or developer's expense.
5. The Contractor shall be responsible for restoring to its original or better condition from damage done to existing fences, curbs, streets, driveways, landscaping and structures.
6. The Contractor shall avoid cutting roots larger than one inch in diameter when excavating near existing trees. Excavation in vicinity of trees shall proceed with caution. The Contractor shall contact the City Arborist at 207-8053 and the SAWS construction inspector for guidance.

SUPPLEMENTARY

7. No extra-payment shall be allowed for work called for on the plans but not included on the bid schedule. This incidental work will be required and shall be included under the pay item to which it relates.
8. The Developer dedicates the water mains upon completion by the Developer and acceptance by the San Antonio Water System. The San Antonio Water System will own and maintain said water mains which are located within this particular subdivision. (As applicable)

9. Contractor and/or Contractor's independently retained employee or structural design/geotechnical/safety/equipment consultant, if any, shall review these plans and available geotechnical information and the anticipated installation site(s) within the project work area in order to implement Contractor's trench excavation safety protection systems, programs and/or procedures. The Contractor's implementation of the systems, programs and/or procedures shall provide for adequate trench excavation safety protection that complies with as a minimum, OSHA Standards for trench excavations. Specifically, Contractor and/or Contractor's independently retained employee or safety consultant shall implement a trench safety program in accordance with OSHA Standards governing the presence and activities of individuals working in and around trench excavation.

10. WORK COMPLETED BY THE CONTRACTOR WHICH HAS NOT RECEIVED A WORK ORDER OR THE NOTICE TO PROCEED WITH THE SAN ANTONIO WATER SYSTEM CONSTRUCTION INSPECTION DIVISION WILL BE SUBJECT TO REMOVAL AND REPLACEMENT BY AND AT THE EXPENSE OF THE CONTRACTOR.

11. The contractor will keep the area on top of and around the water meter box free of all objects and debris.

12. Water System to be completely restrained. Restrained length calculations are for P.V.C. pipe bedded I compacted granular material extending to the top of the pipe. The native soil material is assumed to be inorganic clay of high plasticity. Depth of bury is assumed to be 4 feet.
Note: These calculations are provided for reference. The restrained lengths shall be designed based upon the conditions encountered during the installation. See SAWS Specification Book