



**SAN ANTONIO WATER SYSTEM  
SAWS Production Facility Fence Replacement Project  
SAWS Job No. 14-0117  
Solicitation No. B-14-041-DB**

**ADDENDUM NO. I**

**September 23, 2014**

This addendum, applicable to project noted above, is an amendment to the bidding and specification documents and as such shall be a part of and included in the Contract. Acknowledge receipt of this addendum by entering the addendum number and issue date in the spaces provided on all submitted copies of the proposal.

**1.0 ADDENDUM PURPOSE**

The purpose of this addendum is to issue revisions and clarifications for the SAWS Production Facility Fence Replacement Project.

**2.0 PRE-BID MEETING**

A non-mandatory Pre-Bid Conference was held at 10:00 a.m. on September 22, 2014 at Menger Tank Location only, 4822 Vance Jackson, San Antonio, TX 78230.

**3.0 REVISION TO SCOPE OF WORK**

List of facilities, reads "Facility Name: Inwood (1, 2, 3 & 5), Street Address: 2051 Bitters Road W., PW Booster Pump Station/78216." Change to read "Facility Name: Inwood, Street Address: 2051 Bitters Road W., PW Booster Pump Station/78216."

**4.0 ADDITIONS**

Exhibit E – Standard Fencing Details and Exhibit F – TCEQ Publications.

**5.0 CLARIFICATIONS**

Under Technical Specifications, section Gates, it reads, "*Gates shall be lengths as required in scope constructed of 1 ½ inch diameter, galvanized 16 gauge steel tubing with all joints welded.*" Is 16 gauge steel tubing correct?

Yes per specifications pipe to be 1-1/2 for frame. Specifications Heavy Duty Fence except as modified herein.

Under Technical Specification, section Material, Chain Link Fence Fabric, number 8. *“Do not install chain link until concrete has cured minimum 7 days.”* Is this correct or can different mixes be used, as long as they are 3000 psi?

Yes, unless the Contractor can demonstrate that concrete can achieve required compressive strength of 3000 psi within a shorter timeframe.

## 6.0 Questions

**Q: Regarding the Inwood location, please explain the numbers 1, 2, 3, & 5 in parentheses?**

A: Disregard the numbers in parentheses they are for SAWS reference only.

**Q: Please provide list of approved security contractors.**

A: SAWS approved Security Contractor is Johnny Jonkhout, Project Manager 210-787-0661, email address: [jjonkhout@ussecurityassociates.com](mailto:jjonkhout@ussecurityassociates.com)

**Q: Please provide specification for TCEQ regulations concerning temporary fence.**

A: See Attached Exhibit F.

**Q: Please provide details for continuous concrete footing. Width, depth, reinforcement.**

A: See Attached Exhibit E

**Q: Is concrete footing required at gates?**

A: Yes, See Attached Exhibit E

**Q: Do we need security on site 24 hrs. a day 7 days a week until each project site is complete.**

A: The Contractor is required to provide a security guard at all times while work is being performed on-site.

**Q: Do we need separate security on each site.**

A: The Contractor is required to provide a security guard at all times while work is being performed on-site.

**Q: Do all 4 sites have to run consecutive with each other.**

A: The intent of the requirement is for the contractor to submit a work schedule along with listings of manpower and equipment dedicated to the project in order to complete the installation within the allotted timeframe.

**Q: Are there any security companies that can be recommended by SAWS?**

A: SAWS approved Security Contractor is Johnny Jonkhout, Project Manager 210-787 0661, email address: [jjonkhout@ussecurityassociates.com](mailto:jjonkhout@ussecurityassociates.com)

**Q: Do the existing concrete post footings need to be removed or can they be cut off at ground level.**

A: Fence is to be replaced in place.

**Q: Will there be barb wire on top of new fence and gates**

A: Yes, See Attached Exhibit E

**Q: If an 8' tall temporary fence is supplied will a security guard be needed.**

A: The Contractor is required to provide a security guard at all times while work is being performed on-site.

**Q: Since the project design is an upgrade from the standard TCEQ, COSA, SAWS spec; please give us a drawing similar to the old standard that illustrates all the new criteria. Please show all weldments other than in gate construction, all of manufacturer's standard hardware are modular.**

A: Project shall be constructed in accordance with SAWS Standard Drawings, See Attached Exhibit E.

**Q: Please give us a list of SAWS security vendors that are approved for use on this project. Also advise whether these vendors are SMWB approved.**

A: SAWS approved Security Contractor is Johnny Jonkhout, Project Manager 210-787 0661, email address: [jjonkhout@ussecurityassociates.com](mailto:jjonkhout@ussecurityassociates.com)

US Security Associates is not an SMWB certified contractor.

**Q: Provided that the 4 sites are secure and locked with either existing fence or approved temporary fence and our work force personnel are properly vetted with badged security clearance. Is the expense of armed security necessary at all times of work?**

A: The Contractor is required to provide a security guard at all times while work is being performed on-site.

**Q: Will there be a permit allowance for the fence work permit and/or tree removal/trimming?**

A: No

**Q: Your advertised project allowance is \$150,000.00. Will the low bidder be in consideration of award if his bid exceeds your guestimate?**

A: Please reference Instructions to Bidders.

**Q: On the Lockhill and Inwood sites the gate have the old wheel type multiple locking design. Will this feature be necessary in new fabrication, if so, please supply design for that purpose.**

A: Yes, See Attached Exhibit E

**Q: On the Helotes site the 3 actual fence sides are so short; is there a need for more than a well founded 4” corner post at the gate and corners or will a brace be mandated at these points anyway?**

A: Yes, See Attached Exhibit E

**Q: What is the warranty period for this project?**

A: Page; GC-48

ARTICLE IX. PROJECT COMPLETION AND ACCEPTANCE:

9.3 Correction Period/Warranty - During a period of twenty four (24) months from and after the date of the Conditional Letter of Acceptance, the Contractor shall make all needed repairs arising out of defective workmanship or materials, or both, which in the judgment of the Owner shall become necessary during such period.

**Q: Is Builder’s Risk coverage and/or Pollution Liability mandated and will they need to be kept in play during Warranty tenure?**

A: Builders Risk coverage must remain in place for the duration of the warranty period, however Pollution Liability does not.

**Q: How many total gates are there? Is it 8 or 10?**

A: Proposed total of 10, Contractor shall coordinate final location with Facilities Representative at each location prior to beginning work.

**ACKNOWLEDGEMENT BY BIDDER**

Each bidder is requested to acknowledge receipt of this Addendum No. 1 and the associated attachments by his/her signature affixed hereto and to file same and attach with his/her bid.

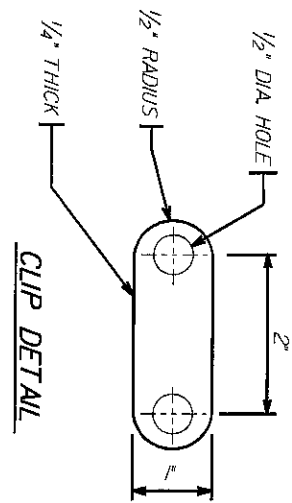
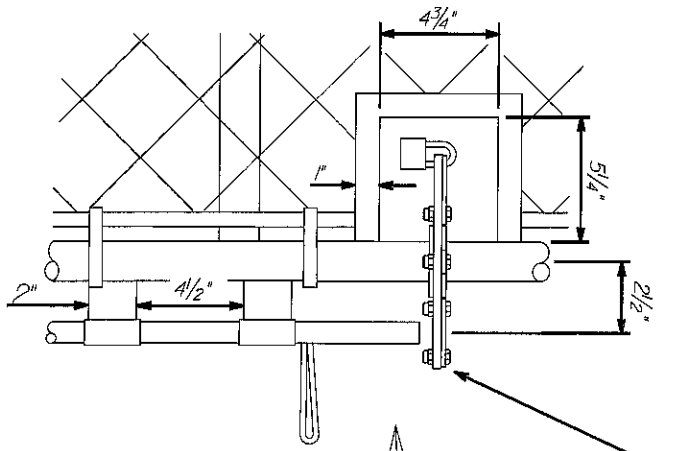
The undersigned acknowledges receipt of this Addendum No. 1 along with the bid submitted herewith is in accordance with the information and stipulations set forth.

\_\_\_\_\_  
Date

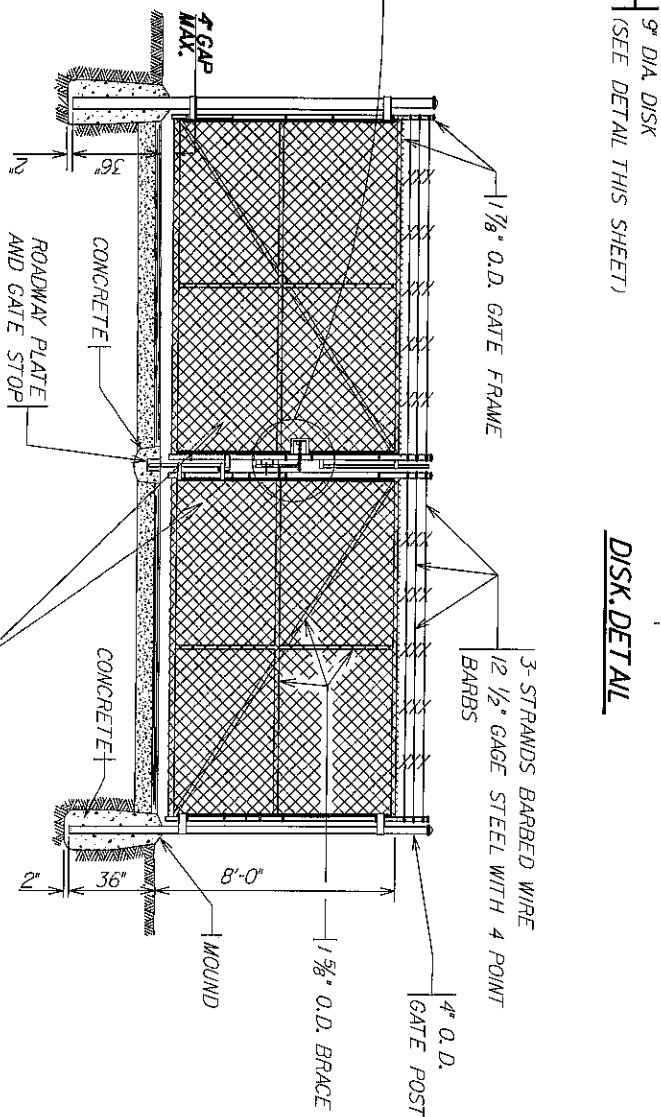
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Signature

END OF ADDENDUM NO. 1

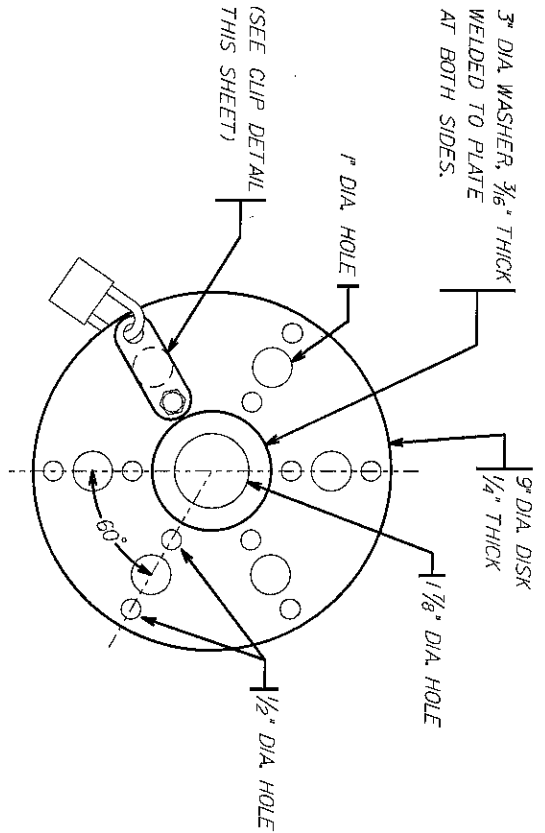
**LOCK ASSEMBLY**



**CLIP DETAIL**



**DISK DETAIL**



DD-903-23

SHEET  
1 OF 1

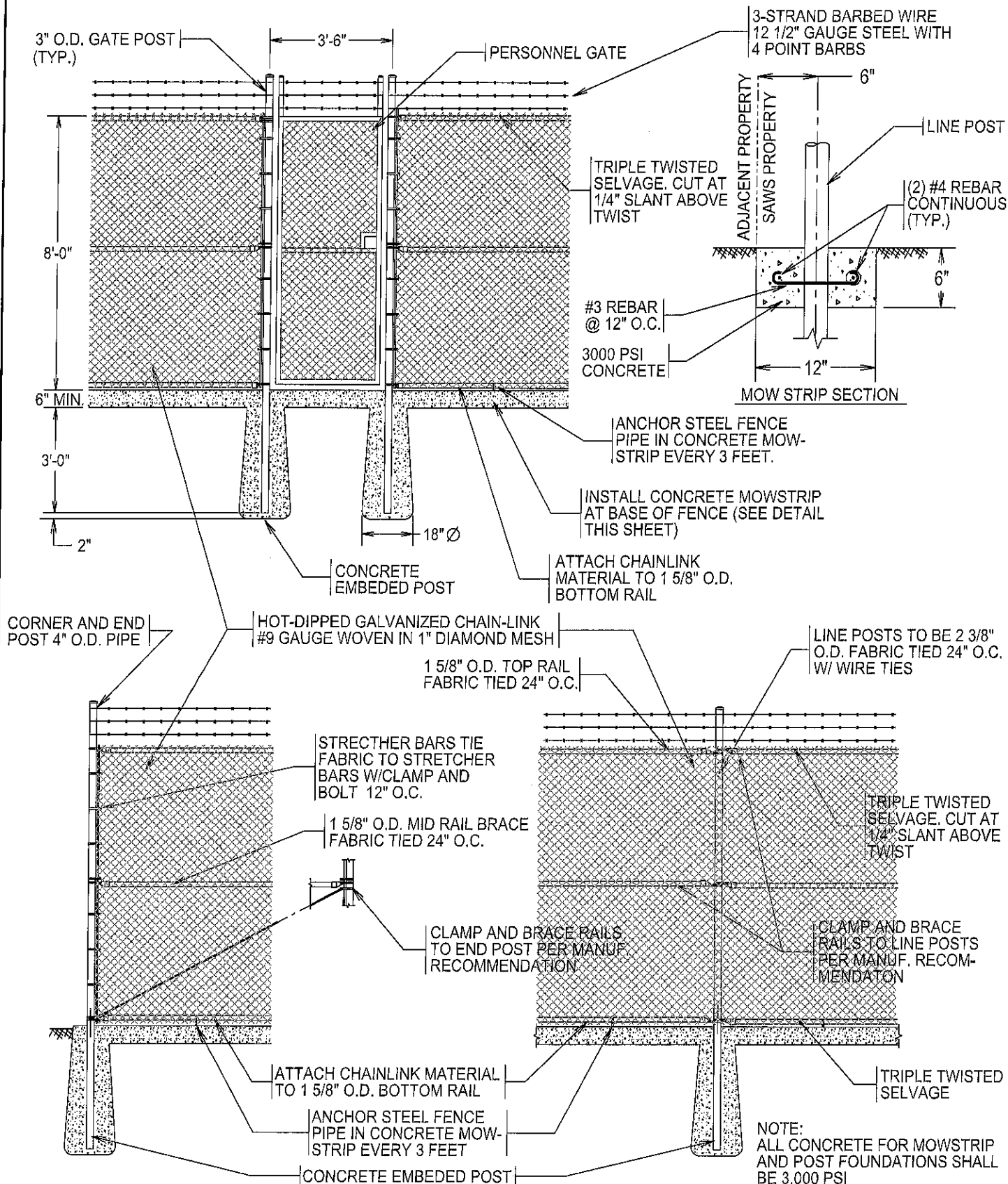
SAN ANTONIO WATER SYSTEM  
SAN ANTONIO, TEXAS

DOUBLE LEAF SWING GATE



APPROVED:  
JULY 2013

REVISED:



DD-903-17

SAN ANTONIO WATER SYSTEM  
SAN ANTONIO, TEXAS



APPROVED:  
MARCH 2011

SHEET  
1 OF 2

FENCE DETAILS

REVISED:

3-STRAND BARBED WIRE  
12 1/2" GAUGE STEEL WITH  
4 POINT BARBS

10'  
SPACING

HOT-DIPPED GALVANIZED CHAIN-LINK  
#9 GAUGE, 1" DIAMOND WOVEN FABRIC  
TRIPLE TWISTED SELVAGE, CUT AT  
SLANT 1/4" ABOVE TWIST (TOP AND  
BOTTOM)

GALVANIZED  
U-BOLT

GALVANIZED U-BOLT  
3/8" DIA. X 2" WIDE X 6"  
LONG

1 5/8" BOTTOM  
RAIL

CONCRETE  
MOW STRIP

#3 REBAR  
AT 12" O.C.

(2) #4 REBAR  
CONTINUOUS (TYP.)

CONCRETE  
MOW STRIP

SECTION A-A

DD-903-17

SAN ANTONIO WATER SYSTEM  
SAN ANTONIO, TEXAS



APPROVED:  
MARCH 2011

SHEET  
2 OF 2

FENCE DETAILS

REVISED:



- §290.38(34) Innovative/alternate treatment**—Any treatment process that does not have specific design requirements in §290.42(a) - (f) of this title (relating to Water Treatment). For example, the adjustment of fluoride ion content, special treatment for metals, iron, manganese, organic and inorganic contaminant reduction, special methods for taste and odor control, demineralization, corrosion control processes, membrane filtration, bag/cartridge filters, ozone, chlorine dioxide, Ultraviolet (UV) light disinfection, and other treatment processes.
- §290.38(35) Interconnection**—A physical connection between two public water supply systems.
- §290.38(36) International Fire Code (IFC)**—The standards of the International Code Council, 500 New Jersey Avenue, NW, 6th Floor, Washington, DC 20001.
- §290.38(37) Intruder-resistant fence**—A fence six feet or greater in height, constructed of wood, concrete, masonry, or metal with three strands of barbed wire extending outward from the top of the fence at a 45 degree angle with the smooth side of the fence on the outside wall. In lieu of the barbed wire, the fence must be eight feet in height. The fence must be in good repair and close enough to surface grade to prevent intruder passage.
- §290.38(38) L/d ratio**—The dimensionless value that is obtained by dividing the length (depth) of a granular media filter bed by the weighted effective diameter "d" of the filter media. The weighted effective diameter of the media is calculated based on the percentage of the total bed depth contributed by each media layer.
- §290.38(39) Licensed professional engineer**—An engineer who maintains a current license through the Texas Board of Professional Engineers in accordance with its requirements for professional practice.
- §290.38(40) Log removal value (LRV)**—Removal efficiency for a target organism, particulate, or surrogate expressed as  $\log_{10}$  (i.e.,  $\log_{10}$  (feed concentration) -  $\log_{10}$  (filtrate concentration)).
- §290.38(41) Maximum daily demand**—In the absence of verified historical data or in cases where a public water system has imposed mandatory water use restrictions within the past 36 months, maximum daily demand means 2.4 times the average daily demand of the system.
- §290.38(42) Maximum contaminant level (MCL)**—The MCL for a specific contaminant is defined in the section relating to that contaminant.
- §290.38(43) Membrane filtration**—A pressure or vacuum driven separation process in which particulate matter larger than one micrometer is rejected by an engineered barrier, primarily through a size-exclusion mechanism, and which has a measurable removal efficiency of a target organism that can be verified through the application of a direct integrity test; includes the following common membrane classifications



**§290.43(d)(4)** Protective paint or coating shall be applied to the inside portion of any pressure tank. The coating shall be as specified in subsection (c)(8) of this section.

**§290.43(d)(5)** No pressure tank that has been used to store any material other than potable water may be used in a public water system. A letter from the previous owner or owners must be provided as specified in subsection (c)(9) of this section.

**§290.43(d)(6)** Pressure tank installations should be equipped with slow closing valves and time delay pump controls to eliminate water hammer and reduce the chance of tank failure.

**§290.43(d)(7)** All associated appurtenances including valves, pipes and fittings connected to pressure tanks shall be thoroughly tight against leakage.

**§290.43(d)(8)** Where seamless fiberglass tanks are utilized, they shall not exceed 300 gallons in capacity.

**§290.43(d)(9)** No more than three pressure tanks shall be installed at any one site without the prior approval of the executive director.

**§290.43(e) Facility security.** All potable water storage tanks and pressure maintenance facilities must be installed in a lockable building that is designed to prevent intruder access or enclosed by an intruder-resistant fence with lockable gates. Pedestal-type elevated storage tanks with lockable doors and without external ladders are exempt from this requirement. The gates and doors must be kept locked whenever the facility is unattended.

**§290.43(f) Service pumps.** Service pump installations taking suction from storage tanks shall provide automatic low water level cutoff devices to prevent damage to the pumps. The service pump circuitry shall also resume pumping automatically once the minimum water level is reached in the tank.

*Source Note: The provisions of this §290.43 adopted to be effective October 1, 1992, 17 TexReg 6455; amended to be effective November 3, 1995, 20 TexReg 8620; amended to be effective February 4, 1999, 24 TexReg 731; amended to be effective February 19, 2004, 29 TexReg 1373*

## **§290.44. Water Distribution**

**§290.44(a) Design and standards.** All potable water distribution systems including pump stations, mains, and both ground and elevated storage tanks, shall be designed, installed, and constructed in accordance with current American Water Works Association (AWWA) standards with reference to materials to be used and construction procedures to be followed. In the absence of AWWA standards, commission review may be based upon the standards of the American Society for Testing and Materials (ASTM), commercial, and other recognized standards utilized by licensed professional engineers.

**§290.44(a)(1)** All newly installed pipes and related products must conform to American National Standards Institute/National Sanitation Foundation (ANSI/NSF) Standard 61 and must be certified by an organization accredited by ANSI.