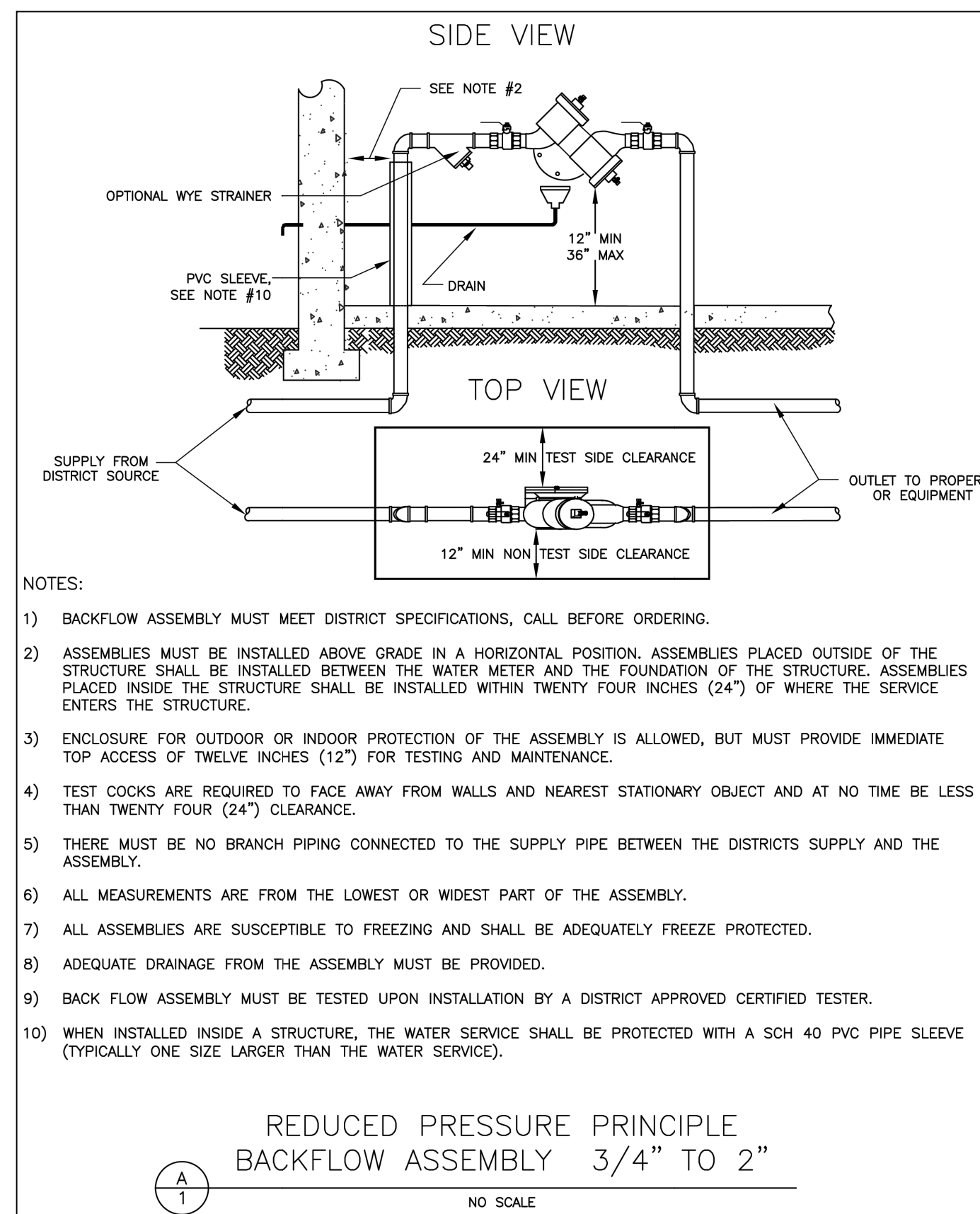
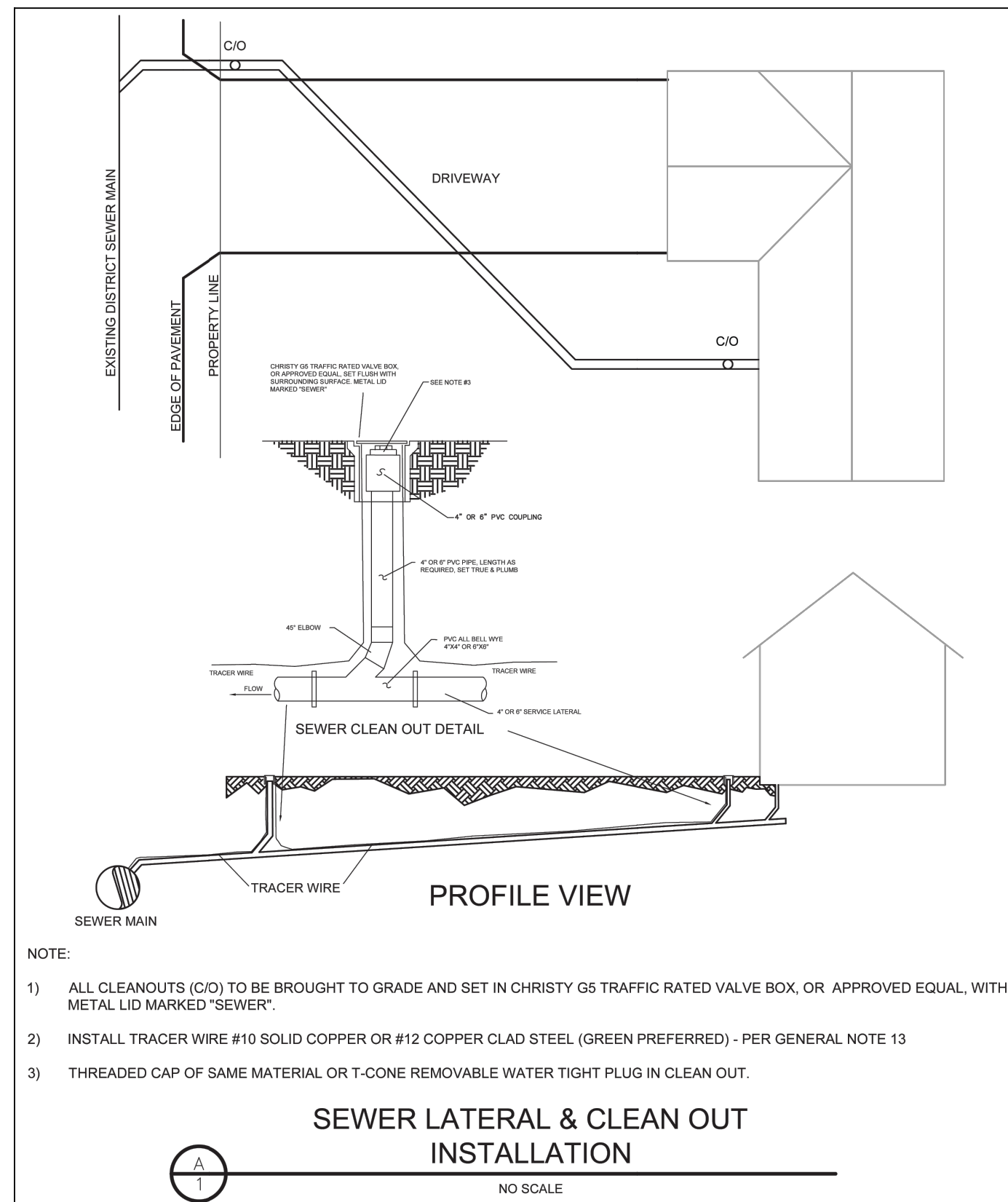


South Tahoe Public Utility District Standards, Specifications and Details

Water and Sewer Service



REQUIREMENTS FOR SEWER HOOKUP:

- Obtain a permit from the South Tahoe Public Utility District (District) for each connection to the system. No work is to be performed until a permit has been obtained. It is your responsibility to contact USA North (1-800-227-2600) to mark utilities prior to digging. You must call the CUSTOMER SERVICE OFFICE to schedule an inspection - please have your APN and/or Sewer Permit number when calling. No inspection will be scheduled without this information. DO NOT cover any work until it has been inspected and approved by a District Inspector.
- The building sewer line shall be constructed of cast iron soil pipe, SDR-26, OR ABS only.
- The size of the building sewer line shall be a minimum four inches (4"). A sewer lateral larger than four inches, will require the installation of a manhole. When saddling a sewer main a "Romac" brand saddle will be required.
- Joints between all approved types of pipe shall be made by means of an adapter coupling approved for this purpose. UPC 2021, Section 705.0
- The slope of the sewer line shall not be less than one-quarter inch per foot (1/4"/foot). The minimum under a driveway shall be thirty inches (30"). If it less than thirty inches (30") in depth, the pipe shall be cast iron.
- No building sewer line shall be laid parallel to and within three feet (3') of a bearing wall foundation unless the foundation footing extends below the sewer line.
- The sewer line shall be placed on a bed of sand or compacted rock free earth. The backfill around the sewer line shall be free of rock.
- For tracing purposes, install #10 solid copper or #12 copper clad steel tracing wire along the entire length of the lateral, attached to the POC and brought up to grade at the house cleanout.
- After lateral has been inspected and backfilled, lateral shall be air tested. (See Requirements For Air Testing Sewer Laterals)
- A CLEAN OUT shall be installed at the sewer system lateral connection (See Sewer Lateral Installation Detail). The clean out riser shall the same size as the lateral. All clean outs shall be in a concrete box (Christy's G5 or equal) with a metal lid marked "SEWER".
- Cleanouts shall be placed in every building sewer line at the junction of the soil pipe stub out and at intervals not to exceed one hundred feet (100') in straight runs.
- If total change of horizontal lateral direction exceeds 135 degrees (135°), an extra clean out shall be required. Ninety degree (90°) elbows shall not be permitted.
- Shoring or sloping shall be required per the current Cal-OSHA standards, for any sewer line trench.
- All cleanouts shall be brought to within ten inches (10") of finished grade and shall be installed in an approved box set to finish grade.
- Drainage piping serving fixtures which have flood level rims located below the elevation of the next upstream manhole cover of the public sewer serving such piping shall be protected from back flow of sewage by installing an approved type of back water valve. Fixtures above such elevation shall not discharge through the back water valve. UPC 2021, section 710.1
- If a backwater valve is required, it shall be located between the building stub out and the house clean out. The backwater valve shall be accessible for inspection and repair at all times. The backwater valve shall be enclosed in a masonry pit, fitted with an adequately sized, removable cover marked "SEWER". Back water valves shall comply with UPC 2021, Section 710.6
- If work is approved, the inspector will notify you verbally or an Acceptance Notice will be left at the jobsite. If work is not approved, a Correction notice will be left at the jobsite. Please call for re-inspection. Excessive re-inspection may be subject to additional inspection fees.
- Abandoned septic tanks, cesspools or dry wells MUST be pumped and limed by a Licensed Pumper, tagged and then backfilled with clean material at the time of sewer hookup. California Health and safety Code Section 14-1000
- If you have any questions regarding your sewer hookup, call the District Inspectors at: (530) 544-6474.
- A dye test shall be performed at the final inspection after the installation of a grease trap or interceptor.
- IT IS THE RESPONSIBILITY OF THE PROPERTY OWNER, DEVELOPER AND/OR GENERAL CONTRACTOR TO ENSURE THAT ALL WORK IS PERFORMED BY AN APPROPRIATELY LICENSED CONTRACTOR.

REQUIREMENTS FOR PRESSURIZED SEWER HOOKUP:

- General:** When required due to parcel topography and location of District facilities. Ownership, operation, and maintenance of the system, including components within the public right-of-way prior to termination at the District's public main are the sole responsibility of the property owner. Owner shall always maintain the system in working order.
- Design and Construction:** Owner shall have a California licensed engineer design the sewer pump system for the property served in accordance with CPC and requirements herein as applicable. Calculations and design shall be submitted to District for review. Holding tank shall be sized to account for power outages as deemed appropriate by designer. Installation and Construction by California licensed contractor with applicable license.
- Codes Followed:** Pressurized systems shall be installed in accordance with the requirements of the most recent edition of the California Plumbing Code, the codes of the State of California, regulations of the Counties of El Dorado or Alpine, and Administrative Code of the South Tahoe Public Utility District.
- Cross Connection Control:** For any property with a pressurized sewer system, the owner shall install and maintain an approved backflow preventer in accordance with the District's Cross Connection Control Plan.
- Systems within Structure Foundation:** Where the holding tank and pressure system is located within the foundation perimeter, the District shall neither review nor inspect the installation. The District shall inspect only that portion of the system that is outside of the foundation. The County Building Department shall be responsible for the review and inspection of pump system components located within the foundation of the structure.
- Discharge Pipe:** The materials required for the buried discharge piping shall be a minimum of Class 200 pressure pipe in ductile iron, polyethylene, PVC Schedule 80, Class 200 or equivalent pressure pipe is acceptable for exposed discharge piping in and adjacent to the pump station. A minimum 2" pipe and pump size shall be used for residential, 3" for multi-unit residential, commercial, industrial, or public use. Tracer wire shall be placed on the pipes, with warning tape located one-foot above the discharge pipe. Tracer wire will be accessible at each cleanout; in the absence of a cleanout at the property line, a tracer wire box (G05 labeled "Sewer") shall be provided. Depth and bedding/backfill shall comply with water service requirements. All fittings and valves shall have a pressure rating equal to or greater than the piping used.
- Cleanouts:** There shall be no cleanouts located on the pressure system discharge line. Where a pressure system transitions to a gravity system within the foundation, a standard cleanout shall be located on the gravity system leaving the structure within five (5) feet of the foundation. Where a pressure system exits the foundation, a standard cleanout shall be located within five (5) feet downstream of the transition from pressure to gravity. The transition to gravity shall occur no closer than 10 feet from the District's gravity line. A cleanout shall be located at the property line only if the pressure line has transitioned to gravity at or prior to the property line.
- Testing for Leakage:** The discharge piping must be air-tested at 10 psi for 10 minutes. Where possible, the pressure service shall be drained prior to testing. There shall be no detectable leakage. Piping shall be exposed for visual inspection during testing.
- Inspections:** If work is approved, the inspector will notify you verbally or an Acceptance Notice will be left at the jobsite. If work is not approved, a Correction notice will be left at the jobsite. Please call for re-inspection. Excessive re-inspection may be subject to additional inspection fees.

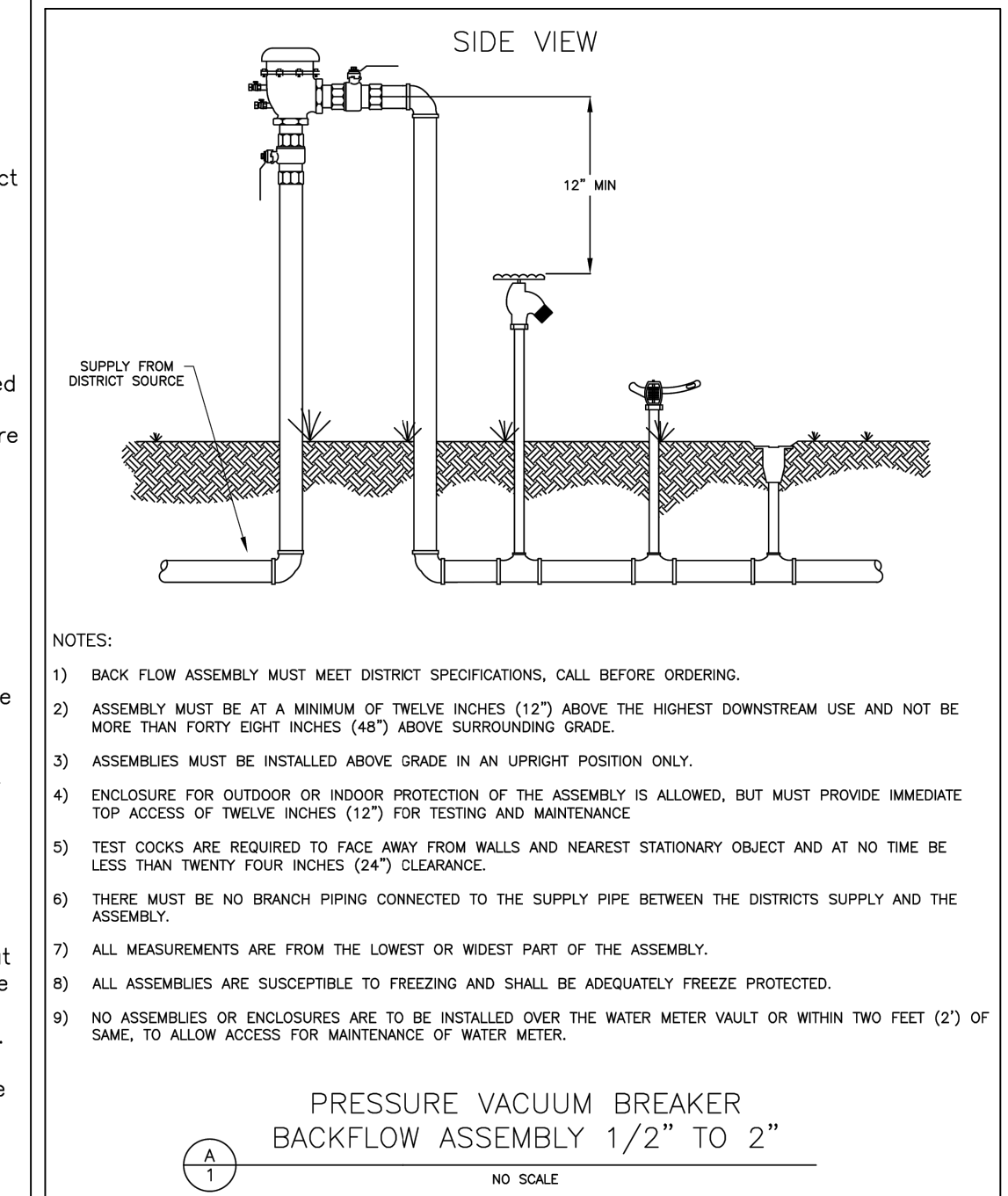
REQUIREMENTS FOR AIR TESTING SEWER LATERALS:

- Please call the CUSTOMER SERVICE OFFICE to schedule an inspection—PLEASE HAVE YOUR APN AND/OR SEWER PERMIT NUMBER WHEN CALLING. No inspection will be scheduled without this information. In order to pass, a South Tahoe Public Utility District (District) Inspector must witness the air test.
- If buried, the clean out at the building and at the property line shall be installed in an approved box (see clean out detail) and set to finish grade.
- Sewer lateral shall be completely backfilled at time of test.
- Insert inflatable plug into the building clean out and position it immediately downstream of the clean out "Y". Inflate the plug.
- Insert another inflatable plug through the property line clean out until reaches the sewer main. Inflate the plug.
- Insert air test (pass through) plug into the property line clean out standpipe and inflate plug to form air seal in stand pipe.
- Pressurize the line to three and a half pounds per square inch (3.5 PSI) through the air test plug. Remove filler hose from air test plug. The line shall be allowed a maximum loss in pressure of a half pound (0.5 PSI) in five (5) minutes. If the loss exceeds a half pound (0.5 PSI), the test may be attempted one additional time. A second loss of pressure constitutes failure of the line. The pressure gauge shall read in one pound (1 PSI) increments and be clearly readable in the three to four pound (3.0 to 4.0 PSI) range.
- Sewer laterals that fail the air pressure test shall be repaired or replaced at the property owner's expense. All repairs or replacements shall be inspected by a District Inspector prior to backfilling. An air test will be required after repair of the sewer lateral.
- If faulty installation is suspected on an existing sewer lateral from the property line to the main and will be required to be repaired or replaced, the District SHALL be notified prior to removal so that a District Inspector may document the faulty work.
- If you have any questions regarding your sewer hookup, call the District Inspectors at: (530) 544-6474.

REQUIREMENTS FOR WATER SERVICE HOOKUP:

(PAGE 1)

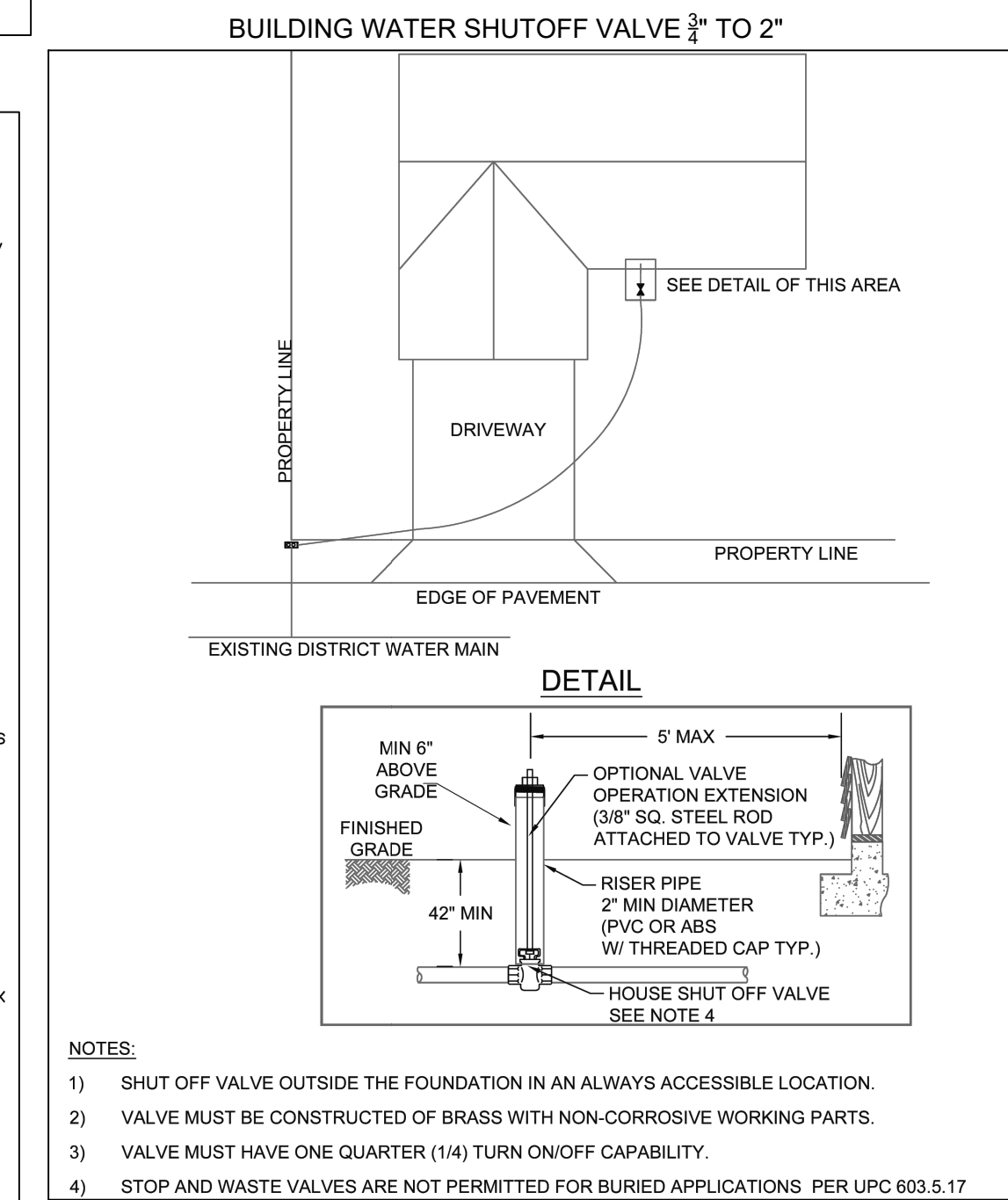
- Obtain a permit from the South Tahoe Public Utility District (District) for each connection to the system. No work is to be performed until a permit has been obtained. It is your responsibility to contact USA North (1-800-227-2600) to mark utilities prior to digging. You must call the CUSTOMER SERVICE OFFICE to schedule an inspection - PLEASE HAVE YOUR APN AND/OR SEWER PERMIT NUMBER WHEN CALLING. NO INSPECTION WILL BE SCHEDULED WITHOUT THIS INFORMATION.
- Type K rigid copper pipe or Polyethylene Class 200 PSI, shall be installed from the District valve to the meter box with any existing nipple being removed from the District valve. An insulated coupling shall be located immediately downstream of the water meter unless the new water service line is non-metallic pipe.
- A water service line one and half inch (1.5") or larger, must use a factory made resetter with a high by-pass.
- The water service line downstream of the meter box shall be constructed of Copper Type L, Copper Type K, Polyethylene Class 200 PSI, or other suitable material approved by the District. For piping requirements at the meter, see Water Meter Installation Detail. For tracing purposes #10 insulated solid copper wire shall be installed the entire length of all plastic services and attached to the pipe.
- The size of the water service line shall be subject to the approval of the District, it shall not be smaller than three-quarter inch (3/4") per single family dwelling.
- Water service lines shall not run or be in the same trench with the building sewer or other drainage piping unless the building sewer drainage piping is of materials approved for use within the building.
- When the building sewer or drainage piping is of materials not approved for use inside a building, the water service line, at all points, shall have a minimum of twenty four inches (24") of separation from the sewer or drainage piping. If separation can not be maintained the owner shall contact the District for a field meet with a District inspector to approve installation options.
- All water service lines shall be a minimum of forty two inches (42") below grade. Water service lines shall be bedded with clean material.
- An individual shut-off valve must be installed outside the building foundation in a permanently accessible location. For easy access in the winter, it is recommended that the valve standpipe be left at least six inches (6") above final grade and capped. The valve must be constructed of brass with non-corrosive working parts. The valve must have a one-quarter (1/4") turn on/off capability with non-metallic seating properties.
- If an auxiliary water source currently exists on the property, a connection can only be made to the District's water system if the auxiliary water source is properly destroyed or proper back flow protection is installed and maintained per District standards.
- Abandoned auxiliary sources of water must first be verified and approved by the District prior to connection to the District system. If a private well exists, contact the El Dorado County Environmental Management office at: (530) 573-3450. This contact MUST be made immediately and prior to water service installation.



REQUIREMENTS FOR WATER SERVICE HOOKUP:

(PAGE 2)

- If potential for contamination to the District's potable water supply exists (i.e. Auxiliary Water Supply, Hydronic Heating, Boilers, Swimming Pools, Solar Heating Systems, Fire Sprinkler Systems, etc.) approved Backflow Assembly will be required. Backflow Assembly shall be installed above grade and in the horizontal position. If Assembly is placed outside of the structure, it shall be install between the water meter and the building foundation. If the Assembly is placed inside the structure it shall be installed within twenty four inches (24") of where the water service enters the structure. Backflow Assembly must have freeze protection.
- Hydronic heating will not require a backflow assembly if it is a "closed loop system" with a "stand alone" reservoir for make-up water. The system must have a Double Wall heat exchanger. All systems must be approved by a District inspector to be exempt from a backflow assembly.
- All Fire Protection Systems require an approved Back Flow Assembly installed on the Fire Line. An approved Home Tank Fire Pump System, with an approved air-gap, will not require a Back Flow Assembly.
- Back Flow Assemblies must be tested, by a District approved certified tester, after initial installation and annually thereafter. Test results need to be sent to the District's Customer Service Department.
- All Water Services, Water Meters and Back Flow Assemblies shall be left exposed and be leak proof under static line pressure until witnessed and inspected. DO NOT STACK WATER BOXES or cover any work until it has been inspected and approved by the District inspector.
- Meter box installation shall consist of three inch (3") rigid foam insulation placed inside the meter box on top of the meter. No "spray on" type rigid foam insulation will be accepted and rigid insulation SHALL NOT be attached to the lid. The meter box lid shall have a centered two inch (2") diameter hole to accommodate the meter reading system.
- If work is approved, the inspector will notify you verbally or an Acceptance Notice will be left at the jobsite. If work is not approved, a Correction notice will be left at the jobsite. Please call for re-inspection. Excessive re-inspection may be subject to additional inspection fees.
- A second meter inspection will take place approximately two (2) weeks after the initial water service inspection it will include correct installation of boxes, proper insulation and meter tolerances. The Inspector will lock-off the meter if it is not properly installed in the meter box.
- If you have any questions regarding your water service hookup, call the District Inspectors at: (530) 544-6474.
- IT IS THE RESPONSIBILITY OF THE PROPERTY OWNER, DEVELOPER AND/OR GENERAL CONTRACTOR TO ENSURE THAT ALL WORK IS PERFORMED BY AN APPROPRIATELY LICENSED CONTRACTOR.



No.	Revision/Issue	Date
	REV 1-2026	6/17/26

Firm Name and Address
South Tahoe Public Utility District
 1275 Meadow Crest Dr
 S Lake Tahoe, CA 96150
 530-544-6474 cs@stpubd.us

Project	Sheet
Standards and Specifications	
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