

Stege Sanitary District

serving Kensington, El Cerrito, and the Richmond Annex

GENERAL GUIDELINES

PERMITS: Any sanitary sewer work from a point two (2) feet outside the building foundation to the connection to the public sewer shall be subject to the regulations of the Stege Sanitary District. A Stege Sanitary District connection permit and payment of fees are required prior to any work on the sewer lines. Connection and testing must be made in the presence of a Stege Sanitary District representative.

SIDE SEWERS LATERALS: The property owner is responsible for the operation and maintenance of the side sewer lateral from the building plumbing to and including the connection at the main sewer. A separate sewer lateral shall connect each individual building.

MINIMUM SIZES

- **4"Ø** – Single Family Dwelling
- **6"Ø** – Commercial or Multi-Family Dwelling

APPROVED PIPE TYPES

- **VCP** - Vitrified Clay Pipe
- **CIP** - Cast Iron Pipe
- **HDPE** - High Density Polyethylene*

**Only for Pipe bursting*

CLEANOUTS: Provides access for maintenance and inspection of the side sewer lateral.

REQUIRED LOCATIONS

- Point of connection to the building
- Single turn greater than 45°
- Where the cumulative of deflections exceeds 45°
- Every 100 linear feet

SIZE

- Equal size as the sewer lateral

APPROVED PIPE TYPES

- **VCP** - Vitrified Clay Pipe
- **CIP** - Cast Iron Pipe

BACKFLOW PREVENTION DEVICES (BPD): Designed to prevent sewage from entering buildings.

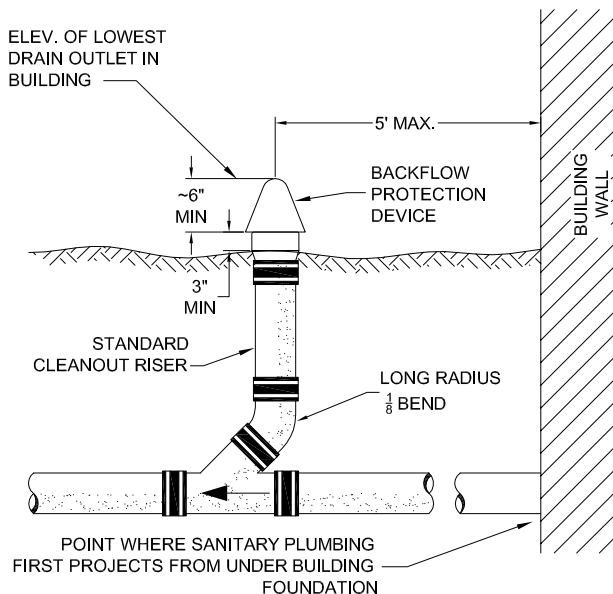
REQUIRED FOR

- All new buildings
- All existing buildings having plumbing drain outlets elevation of 12" or less above the ground surface elevation of the next upstream manhole.

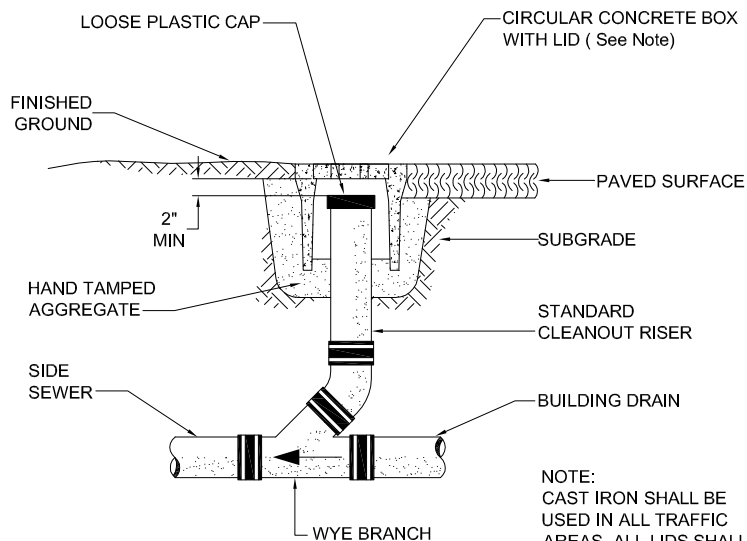
AIR TEST: The Contractor shall perform low air pressure tests on the total footage of all new sewer pipeline installations after such pipelines have been properly installed. Test plugs shall be carefully placed at each end of the sections of line to be tested and the air pressure within the line increased to four (4) pounds per square inch. The test period shall be two (2) minutes and the allowable loss shall not exceed one (1) pound per square inch.

WATER TEST: For side sewer installations, a water test may be substituted instead of an air test. All openings in the piping shall be tightly plugged, except the highest opening, and the system shall be filled with water to point of overflow. All sections shall not be tested with less than a five (5) foot head of water. The water shall be kept in the portion being tested for at least 15 minutes before inspection starts; and inspection or testing of the system shall confirm that the system is tight at all points.

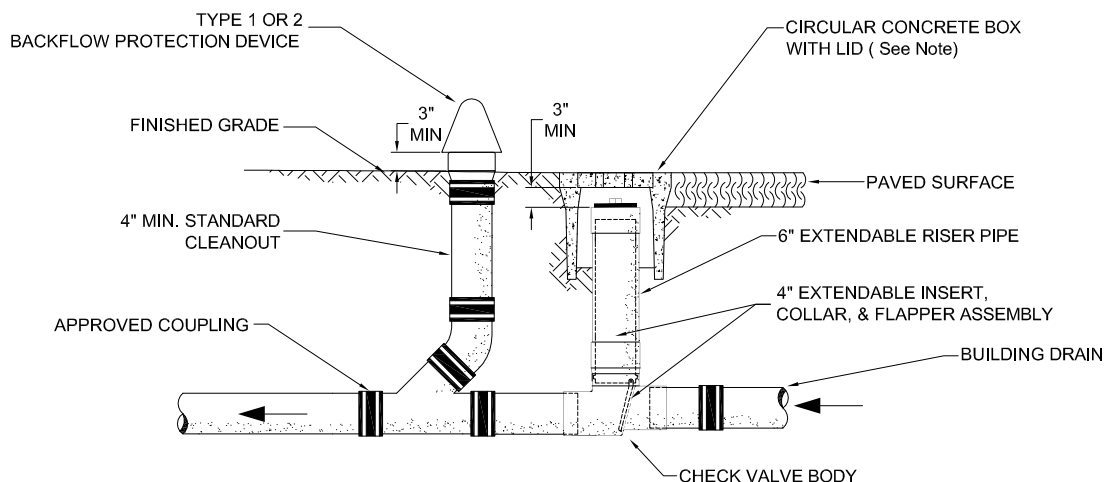
NOTE: These GENERAL GUIDELINES are only a brief description of what is required and is not intended to cover the entire scope of work. Please refer to the Stege Sanitary District's Construction Specifications and Details for the complete requirements.



**BACKFLOW PROTECTION DEVICE/
OVERFLOW SYSTEM
TYPE 1**



**BACKFLOW PROTECTION DEVICE/
OVERFLOW SYSTEM
TYPE 2**



**EXTENDABLE BACKWATER CHECK VALVE
BACKFLOW PROTECTION DEVICE / OVERFLOW SYSTEM
TYPE 3**

NOTES:

ALL CLEANOUTS AND BACKFLOW DEVICES ARE TO BE MAINTAINED BY THE PROPERTY OWNER.

BACKFLOW PROTECTION SYSTEM - TYPE 1 OR 2 SHALL BE INSTALLED IN SEWERS WHERE THE LOWEST DRAIN OUTLET TO BE CONNECTED TO THE MAIN SEWER IS BELOW A POINT 12-INCHES ABOVE THE SURFACE OF THE NEAREST UPSTREAM SEWER STRUCTURE AND IN ALL NEW BUILDINGS.

BACKFLOW CHECK VALVE - TYPE 3 SHALL BE INSTALLED IN SEWERS SERVING BUILDINGS WHERE A BACKFLOW PROTECTION SYSTEM IS REQUIRED AND WHERE SEWAGE CANNOT OVERFLOW TO AN ADJACENT AREA WITHOUT SERIOUS DAMAGE.
(Backwater Valve by Clean Check, Inc. Or Approved Equal)



STEGE SANITARY DISTRICT

Paul Soo, P.E., Associate Civil Engineer

REV. / DATE
10-26-2021

**BACKFLOW
PROTECTION DEVICES**

DWG. NO.:

**SEC.
32-45**