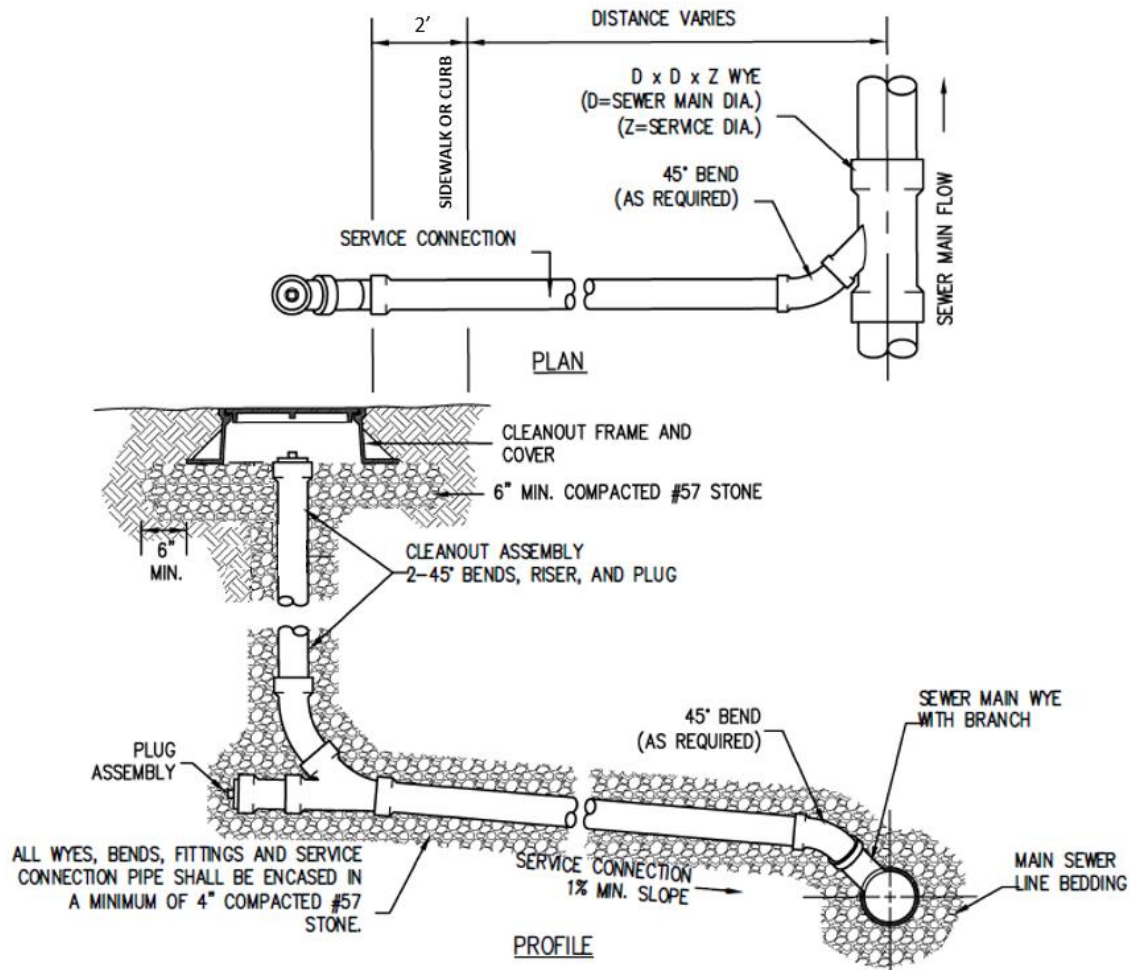
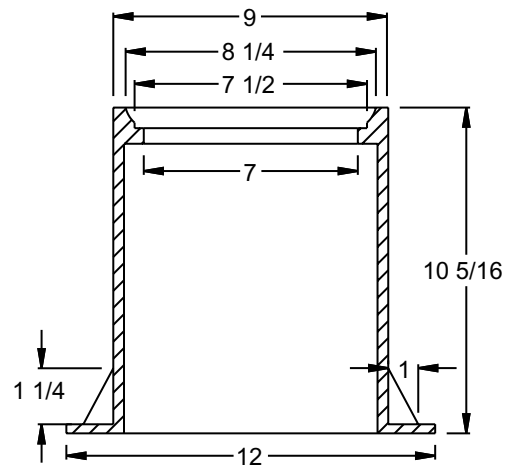
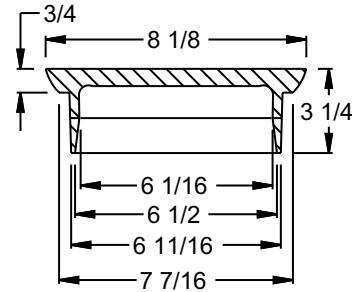


SANITARY SEWER CLEANOUT DETAIL



NOTE

1. When the building sewer is extended from the stub out to the building drain, the building sewer and its appurtenances shall be permitted through and inspected by the City of Greer Building Codes Division (864.848.2175).
2. The minimum diameter of the service connection stub out shall be minimum four (4) inch diameter for single family residential and minimum six (6) inch diameter for commercial and multifamily development.
3. Minimum slope of the service lateral is 1.0%.
4. The service connection stub out and its appurtenances shall be of the same material as the gravity sewer line.
5. Service connection shall be made with one (1) wye fitting. The long branch of the wye shall have the same inside diameter as the gravity sewer line.
6. The wye fitting shall be set between the 10 and 2 o'clock position along the gravity sewer line pipe circumference.
7. No bends greater than 45° shall be used in service connection installation.
8. Service connections shall be a minimum of three (3) feet from pipe joint or manhole, measured from the nearest edge of the wye fitting.
9. Connections shall be positioned along the gravity sewer line to provide an individual, separate and direct connection from the structure to the gravity sewer line. Connections shall not cross adjacent lot property lines.
10. **Cleanout frame and cover shall be installed at final grade and placed 2 feet behind the curb or sidewalk. Cleanout frame and cover shall be located outside the driveway. Cleanout frame and cover shall be Greenville P107 Valve Box with Sewer Lid. A water meter will not be set if the cleanout frame and cover are not installed.**
11. If a sewer tap needs to be made, tapping saddle shall be **Romac Industries Type CB Sewer Saddle**. Hammer taps are prohibited. Existing pipe shall be cored. New sewer tap and cleanout frame and cover shall be inspected by GCPW.
12. Service connection shall be plugged to prevent infiltration and sedimentation of the line.
13. Service connections shall not be connected to a newly constructed gravity sewer line until a permit to operate has been issued by SC DHEC. Contact GCPW's Engineering and Planning Department (864.848.5500) with any questions.



ITEM	MARKING
5725	SEWER
5726	WATER

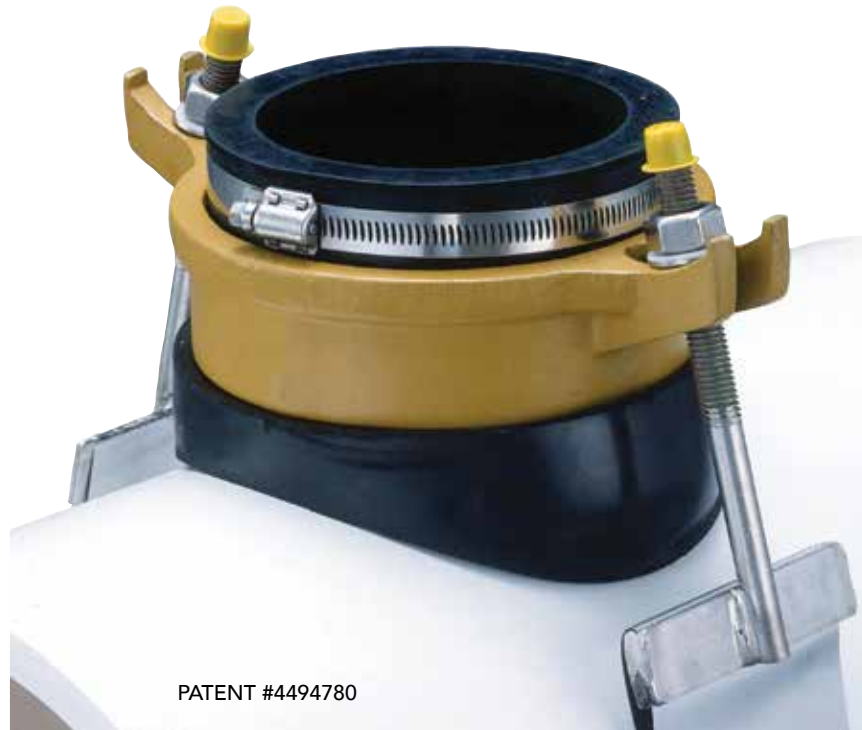
DESCRIPTION : GREENVILLE P107 VALVE BOX WITH SEWER LID.

MATERIAL : Cast Iron, ASTM A48, Class 30B.

WEIGHT : 43 lbs.

A ROMAC ORIGINAL

- 1981 -



DESIGN ADVANTAGES:

- **INVENTORY REDUCTION:** Unique gaskets fit wide range of diameters.
- **EASE OF INSTALLATION:** Saddle can be installed by unskilled labor, using a socket or open end wrench. Built-in stop prevents blockages due to inadvertant insertion of branch into main.
- **SUPERIOR STRAP:** Strong 304 stainless steel band GMAW & GTAW welded to roll threaded 304 stainless bolts adjusts over a wide range. Clamping force is well distributed by 3 1/2" width.
- **FLEXIBILITY:** Gasket allows considerable deflection due to earth movement, while large sealing surface and wide band strongly resist displacement.
- **RELIABILITY:** Continuous rubber connection between rim and branch eliminates potential leak spots. Saddles have been tested to pressures well in excess of typical service test requirements.

NOTE: A pipe stop capable of withstanding 1000 pounds of thrust is molded into the CB saddle gasket. Care must be taken during system design and installation to assure that this thrust limit is not exceeded.