

Village of Wheeling - Sanitary Sewer Notes

- Sanitary sewers, main and services and their fitting shall be constructed of one or more of the following materials or as approved by the Village Engineer:

<u>MATERIAL</u>	<u>PIPE SPEC.</u>	<u>JOINT SPEC.</u>
DIP – CL 52	ANSI A-21.51	ANSI A-21.11
P.V.C. - SDR 26 MIN.	ASTM D-3034	ASTM D-3212 (Gasket)
P.V.C. – SDR 26 MIN.	ASTM D-2241	ASTM-D-3139 (Gasket)
P.V.C. – AWWA C-900	ASTM D-1784	ASTM-F-477 (Gasket)
A.B.S. (SDR 26)	ASTM D-2680	ASTM D-3212
SOLID (8”–15” TRUSS)	ASTM D-2680	ASTM D-3212

- All sanitary sewer mainline must be a minimum of 8 inches in diameter.
- Sanitary services to be 6” diameter DIP. Class 52 (min.) with a minimum slope of 1% prior to entering clean out, with a distance from outside of the foundation wall to be 5 feet. Sanitary services to be 6” diameter PVC pipe SDR-26 (min.) with a minimum slope of 2% after leaving clean out. Provide clean out on every lot near each single family house, at the change of pipe material, or as required.
- All service lines shall exit the foundation wall, as DIP CL-52 at a right angle (90°).
- All sanitary sewer service lines must have a depth of 3.5 feet to the top of the pipe.
- Non Shear Couplings** are to be used for all dissimilar pipe connections with prior approval by the Village of Wheeling.
- Flexible rubber boots shall be used at all connections and penetrations into sanitary manholes.
- All manholes shall be Type A with a minimum inside diameter of 48 inches.
- Type A Manholes with an inside diameter of no less than 60 inches (60”), shall be used where the downstream sewer diameter is greater than 18 inches (18”) and less than 36 inches (36”).
- All sanitary manholes to be provided with external “Cretex” type chimney seals.
- No steps are allowed in sanitary manholes.
- All sanitary manholes within the AE flood zone or floodway shall have bolt down locking lids per standard SAN-4.
- Sanitary sewer risers shall be used when sewer main exceed 10 feet in depth and constructed of ductile iron.
- All sanitary sewers shall be televised, air tested mandrel tested and manholes vacuum tested as required by the Village of Wheeling and the Metropolitan Water Reclamation District of Greater Chicago.
- Sanitary sewer services shall be connected to the main by use of a fitting or manhole. Use of a fitting must be approved by the Village Engineer prior to commencement of any work. For service line of

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larger than 6 inches in diameter, a manhole shall be constructed at the point of its connection with the sewer main or lateral.

16. All interior floor drains shall discharge to the sanitary sewer.
17. All objectionable waste containing grease, fats and/or oils shall discharge to an exterior grease interceptor or grease basin (minimum 1,000 gal), with “water-tight” covers, before discharging into the sanitary sewer, including but not limited to restaurant and food preparation facilities. Automatic dishwasher and effluent domestic waste shall not discharge through the grease interceptor.