

Storm Sewer Materials:

1) Casing: Where water main protection is required, encasement shall consist of PVC SDR 26 or steel casing with (Cascade type CCR-STD) spacers or approved equal.

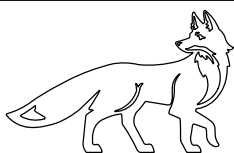
2) Frame & Grate:

Curb Inlet/C.B.:	High back:	Neenah R-3281-A or R-3278-1
	"Type V":	Neenah R-3506-A2
	Depressed:	Neenah R3281-AW with R-3281 (or approved equal)
C.B., "behind the curb type":		Neenah R-3305 Neenah R 1713 (Refer to Lid Detail)
C.B./M.H., Type "D":	Grate:	Neenah R 1713 (Refer to Lid Detail)
	Frame:	Neenah R-1713
C.B., "beehive type":		Neenah R-4340-B

3) Sewer Pipe, Materials: Main line storm sewer shall be constructed of one of the following:

- a. Pre-cast reinforced concrete pipe, with "O-ring" joints.
- b. PVC pipe, rigid, (Min. SDR 26, push-on gasket joints).
- c. All joints shall conform to ANSI 21.11 for ductile iron pipe.
- d. PVC C-900
- e. HDPE pipe shall be rigid with corrugated exterior and smooth interior meeting AASHTO M-294, Type S. Pipe sections shall be joined with PVC double bell couplers installed on the pipe with O-ring gaskets. Ex-filtration standards shall meet or exceed that of PVC SDR 26 with push-on-joints.) FOR PRIVATE USE ONLY. NOT TO BE USED WITHIN PUBLIC RIGHT-OF-WAY OR FOR PUBLICLY OWNED AND MAINTAINED STORM SEWER.
- f. The type of pipe material will be dependent upon the depth of bury, soil conditions, and pipe criteria, and as approved by the City of St. Charles.

4) Flared End Section: Flared end sections shall be constructed of reinforced concrete with galvanized steel grates. Steel flared end sections may be permitted for use with 15" diameter or smaller PVC pipe.



CITY OF ST. CHARLES
ILLINOIS • SINCE 1834
Pride of the Fox

STORM SEWER MATERIALS

DATE: 1-28-2022

NOT TO SCALE

REVISED:

DRAWING NO. C-II