

WHERE DEPTH OF DROP IS LESS THAN 5'-6" USE TEE AS SHOWN ABOVE, AND OMIT CLEANOUT PIPE AND MANHOLE.

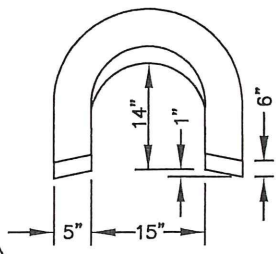
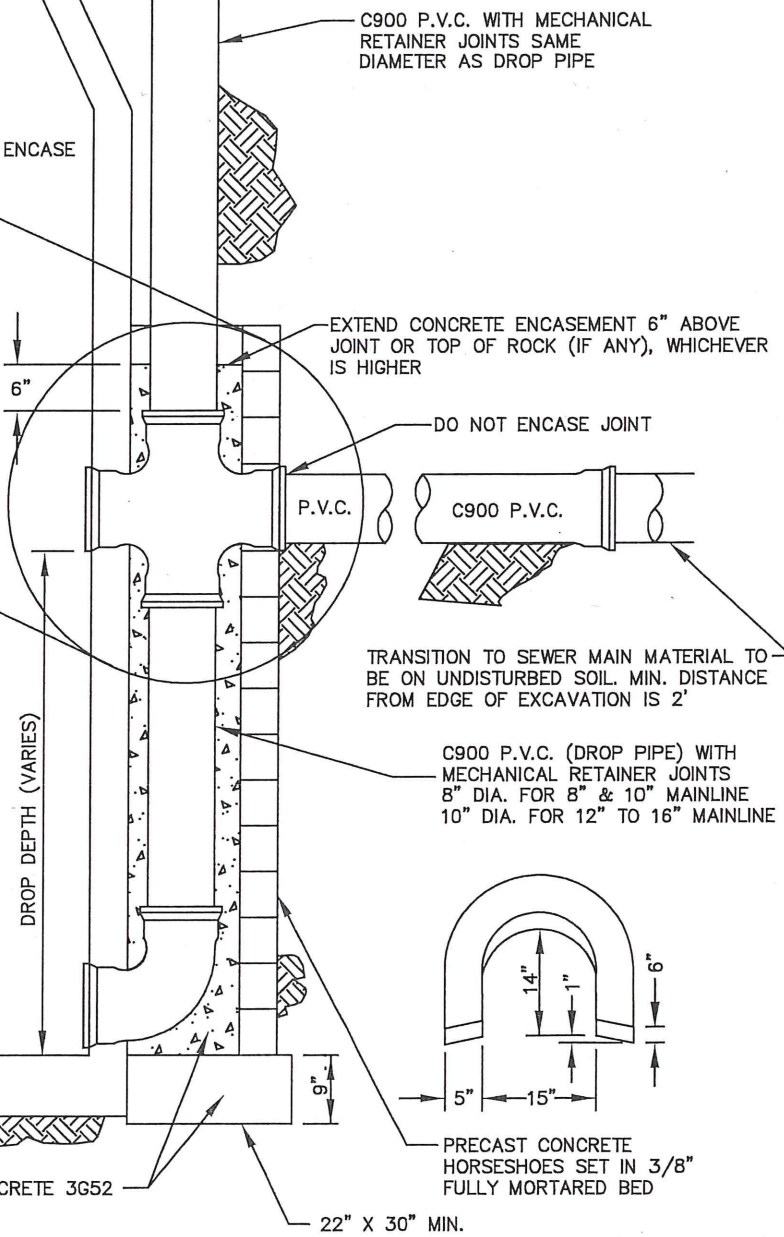
NOTES:

1. USE FOR DROPS GREATER THAN 2'-0" ABOVE INVERT OF MANHOLE
2. FITTINGS ARE CAST IRON, CLASS 150 OR DUCTILE IRON CLASS 52
3. CROSS TO BE D.I.P. CL 52 WITH MECHANICAL RETAINER GLANDS
4. CONCRETE ENCASEMENT CLASS 3G52 OR UNDERGROUND UTILITY MORTAR MIX CONTAINING PORTLAND CEMENT
5. TELEWISE DROP PIPE AND MANHOLE PRE-CONSTRUCTION AND POST CONSTRUCTION MANHOLE

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota

Aaron D. Hass
AARON D HASS

Date 01-24-2017 Lic. No. 26424



CONCRETE 3G52
22" X 30" MIN.

APPROVED *3-2-2017*
Paul J. Kurt
CITY ENGINEER

CITY OF ST. PAUL
DEPARTMENT OF PUBLIC WORKS
OUTSIDE DROP

Date of Revision
JAN 2017

Standard Plate No.
2301F