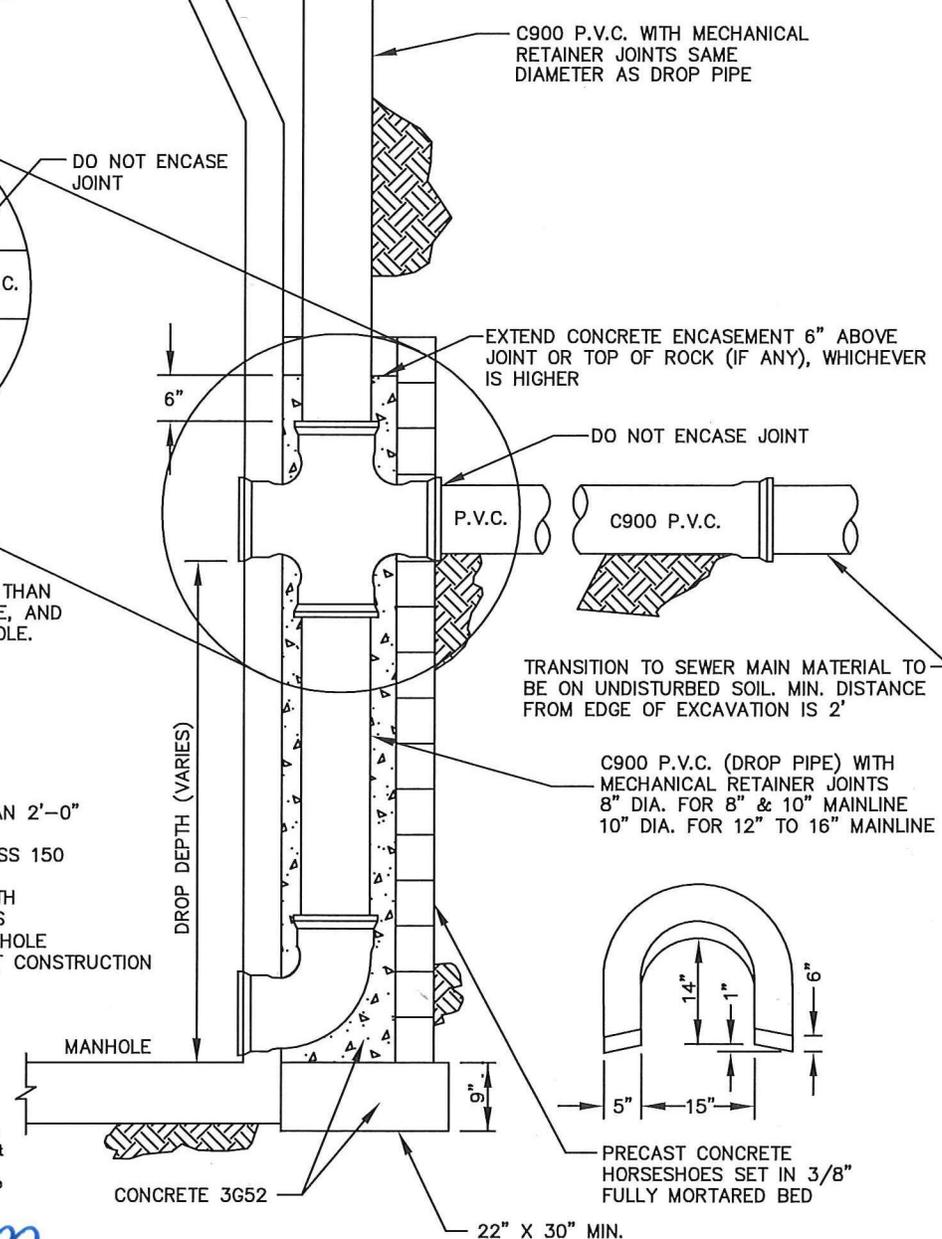


WHERE DEPTH OF DROP IS LESS THAN 5'-6" USE TEE AS SHOWN ABOVE, AND OMIT CLEANOUT PIPE AND MANHOLE.

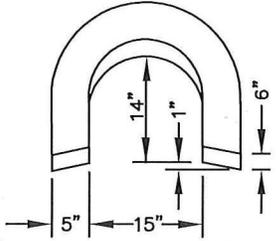
NOTES:

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. TELEVIEW DROP PIPE AND MANHOLE PRE-CONSTRUCTION AND POST CONSTRUCTION



TRANSITION TO SEWER MAIN MATERIAL TO BE ON UNDISTURBED SOIL. MIN. DISTANCE FROM EDGE OF EXCAVATION IS 2'

C900 P.V.C. (DROP PIPE) WITH MECHANICAL RETAINER JOINTS
 8" DIA. FOR 8" & 10" MAINLINE
 10" DIA. FOR 12" TO 16" MAINLINE



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 10-5-2016 Lic. No. 26424

APPROVED
Paul R. Kurtz
 CITY ENGINEER

CITY OF ST. PAUL
 DEPARTMENT OF PUBLIC WORKS
 OUTSIDE DROP

Date of Revision
 OCT 2016

Standard Plate No.
 2301E