



NOTES:

1. USE FOR DROPS GREATER THAN 2'-0" ABOVE INVERT OF MANHOLE
2. FITTINGS ARE CAST IRON, CLASS 150 OR DUCTILE IRON CLASS 50

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

Joseph J. Mueller
JOSEPH J. MUELLER
Date 5-4-10 Lic. No. 13942

APPROVED
Jul. H. [Signature]
CITY ENGINEER

CITY OF ST. PAUL
DEPARTMENT OF PUBLIC WORKS
OUTSIDE DROP

Date of Revision	Standard Plate No.
MAY 2010	2301D