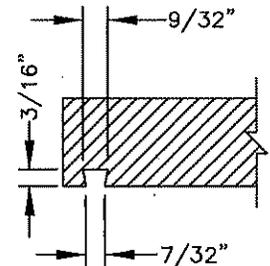
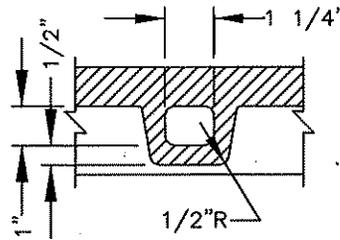


CONCEALED PICKHOLE DETAIL



DOVETAIL GROVE DETAIL

NOTES:

1. CASTING "B" SHALL BE USED WITH FRAME CASTING "A" (STD. PLATE 2201E).
2. CASTING SHALL BE CONSTRUCTED OF UNPAINTED GRAY IRON MEETING ASTM A-48, CLASS 35B OR BETTER AND SHALL CONFORM TO AASHTO DESIGNATION M306-89 AND MnDOT SPECIFICATION 3321.
3. CASTING "B" TO BE SUPPLIED WITH SELF-SEALING GASKET OF POLYISOPRENE (40 DUROMETER) SET IN DOVETAIL GROVE PER DETAIL ONLY WHEN SPECIFICALLY IDENTIFIED IN THE PLANS.
4. EACH CASTING SHALL BEAR AN IDENTIFICATION MARK, RECESSED FLUSH, INDICATING THE SOURCE OF MANUFACTURE, WHICH MARK SHALL EITHER BE A SYMBOL NOT OVER 1 1/2 INCHES IN GREATEST DIMENSION OR IN LETTER FORM NO GREATER THAN 3/4 INCH IN HEIGHT AND 2 INCHES IN LENGTH. LOCATION OF IDENTIFICATION MARKS BY THE ENGINEER.

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

Joseph J. Mueller
 CITY ENGINEER

CITY OF ST. PAUL
 DEPARTMENT OF PUBLIC WORKS
 COVER CASTING "B"

Date of Revision
 MAY 2010

Standard Plate No.
 2202D