

REINFORCING EXTENDING TO 1" MIN. CLR. AT CORNERS OR CONTINUOUS REINF. AROUND CORNERS

REINFORCING

TWO LAYERS
 INSIDE AREA = 3/16 SQ.IN/FT
 OUTSIDE AREA = 3/16 SQ.IN/FT

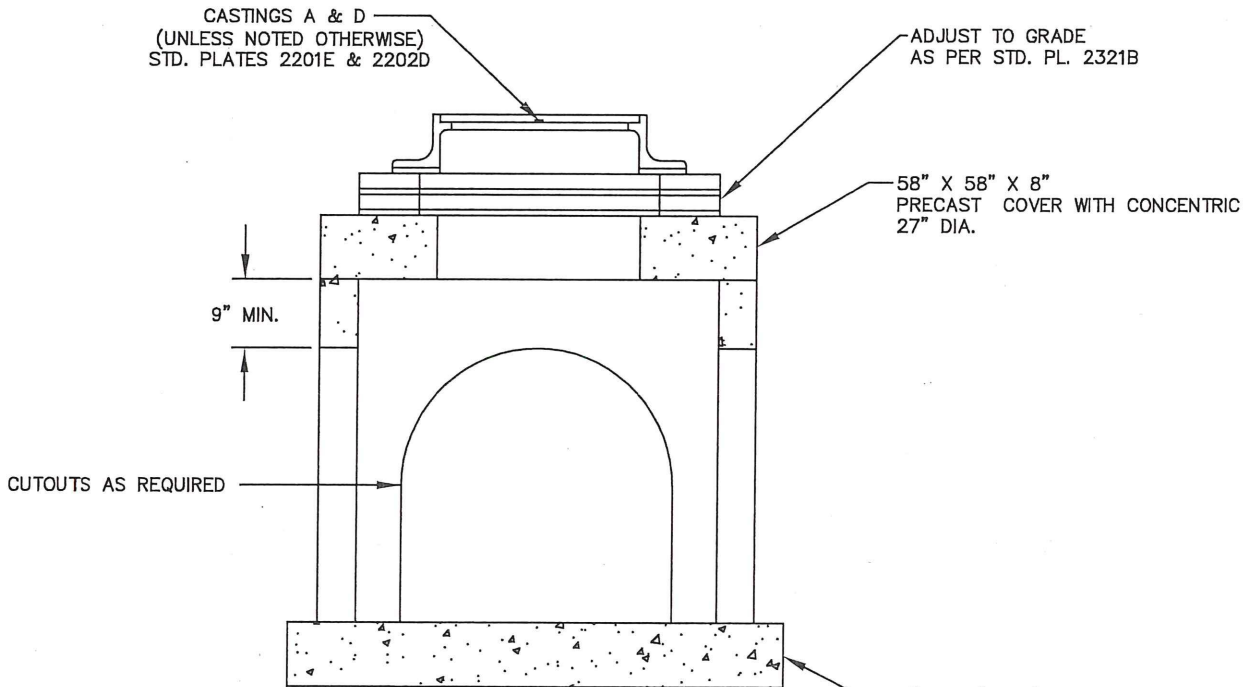
1 IN. MINIMUM CLEARANCE

CIRCUMFERENTIAL REINFORCING SPACING NOT TO EXCEED 2 IN.

LONGITUDINAL REINFORCING SPACING NOT TO EXCEED 8 IN.

CASTINGS A & D
 (UNLESS NOTED OTHERWISE)
 STD. PLATES 2201E & 2202D

ADJUST TO GRADE
 AS PER STD. PL. 2321B



66" X 66" X 8"
 PRECAST BASE SLAB
 REINF. = #4 @ 12" O.C. E.W.
 OR CONTRACTORS OPTIONAL
 CAST-IN-PLACE BASE SLAB

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

NOTE:
 FOR USE ON STORM SEWER 36" I.D. OR LESS
 WITH A MAXIMUM DEPTH TO PIPE INVERT OF 9 FT.

APPROVED 2-2-2017
Paul Kurt
 CITY ENGINEER

CITY OF ST. PAUL
 DEPARTMENT OF PUBLIC WORKS
 MANHOLE, TYPE IV PRECAST

Date of Revision
 JAN. 2017

Standard Plate No.
 2111C