

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

ADJUST TO GRADE
AS PER STD. PL. 2321B

PRECAST COVER SLAB WITH
CONCENTRIC 27" DIA. OPENING.
DESIGN FOR HS-25 LOAD

8" X 8" X 16" OR 6" X 8" X 16"
SOLID CONCRETE MASONRY UNIT
(SEE SPECIFICATION).
ALL JOINTS TO BE
3/8" THICK AND COMPLETELY
FILLED WITH MORTAR

8" MIN.

SAWCUT PIPE FLUSH WITH
INSIDE WALL OF MANHOLE

SLOPE TO DRAIN

TROWEL INVERT
SMOOTH

I.D./2

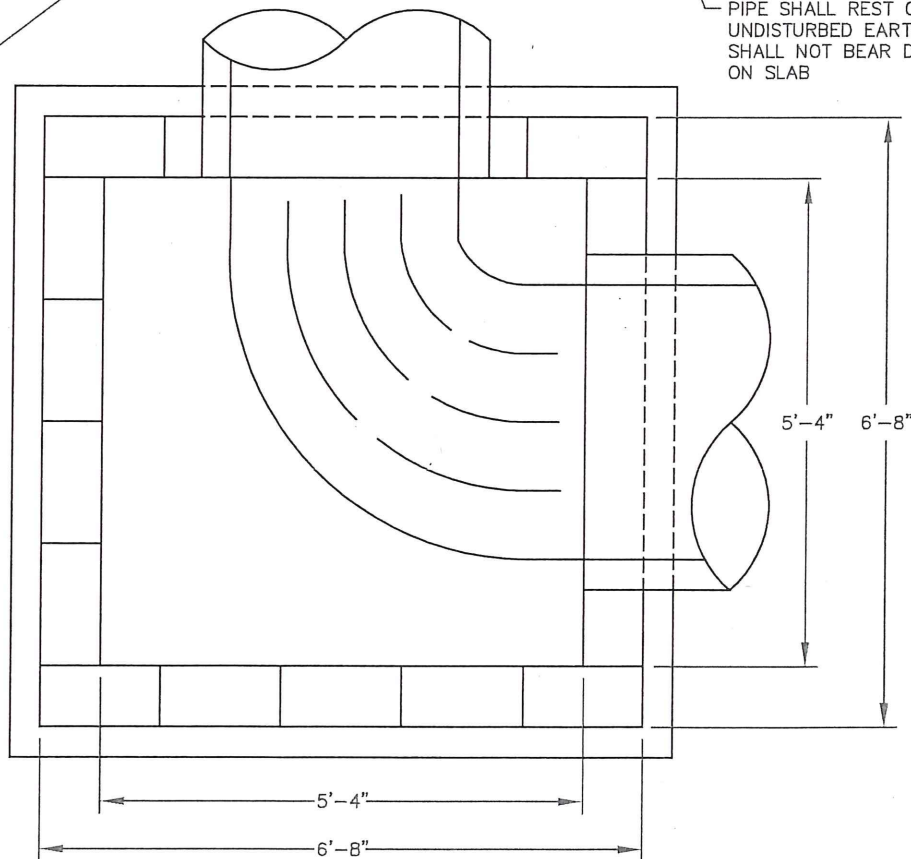
SECTION

PRECAST 7'-4" X 7'-4" X 6"
BASE SLAB

3G52 CONCRETE

PIPE SHALL REST ON
UNDISTURBED EARTH AND
SHALL NOT BEAR DIRECTLY
ON SLAB

PLAN



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:

THIS MANHOLE FOR USE ON SEWER
MAINS 42" & 48" IN DIA. WHERE DEPTH
TO PIPE INVERT IS 9' OR LESS.

APPROVED 2-2-2017
Paul Kurtz
CITY ENGINEER

CITY OF ST. PAUL
DEPARTMENT OF PUBLIC WORKS

MANHOLE, TYPE IV-A

Date of
Revision
JAN
2017

Standard
Plate
No.
2110D