

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

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

3G52 CONCRETE
SHAPE TO DRAIN
BRUSH FINISH

PLAN

5'-4" 6'-8"

5'-4"

6'-8"

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 01-21-2026 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 *2-19-2026*
Nickel
CITY ENGINEER

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

Date of
Revision
JAN
2026

Standard
Plate
No.
2110E