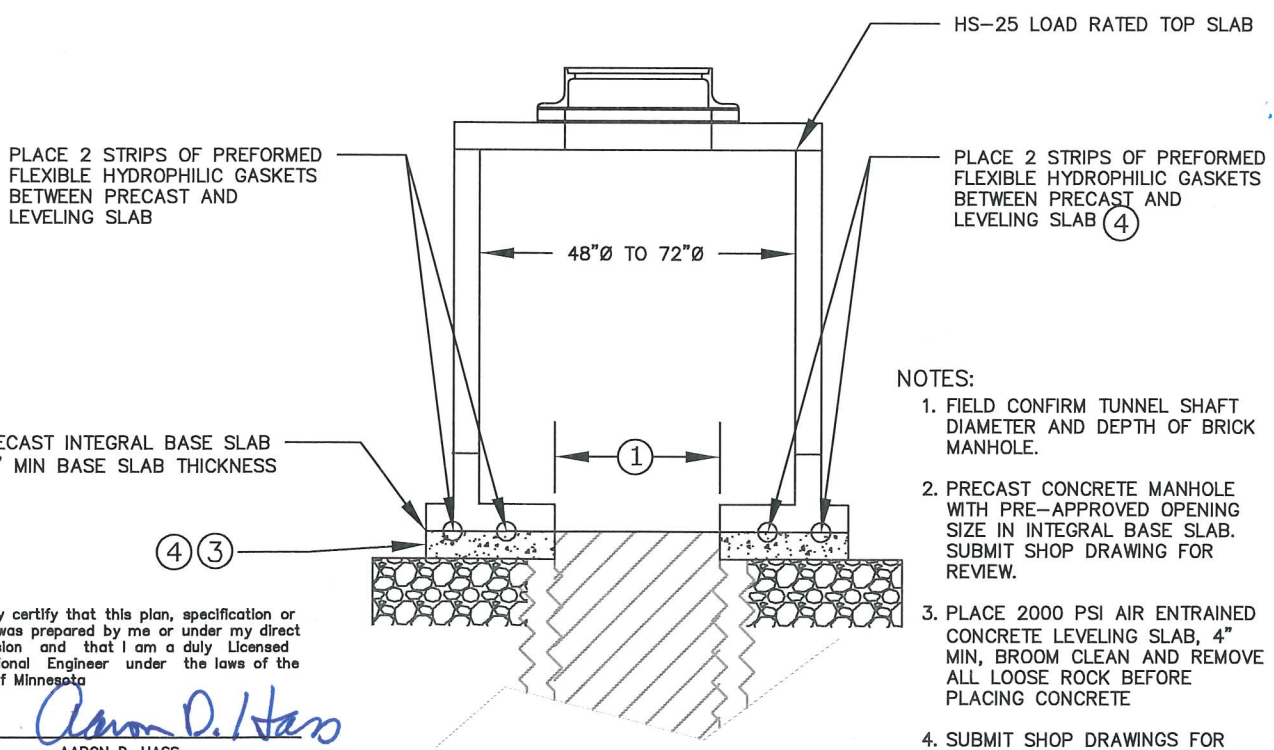


CONTRACTOR TO PROTECT TUNNEL SHAFT AND PREVENT CONSTRUCTION DEBRIS FROM ENTERING

NO SCALE



- NOTES:
1. FIELD CONFIRM TUNNEL SHAFT DIAMETER AND DEPTH OF BRICK MANHOLE.
 2. PRECAST CONCRETE MANHOLE WITH PRE-APPROVED OPENING SIZE IN INTEGRAL BASE SLAB. SUBMIT SHOP DRAWING FOR REVIEW.
 3. PLACE 2000 PSI AIR ENTRAINED CONCRETE LEVELING SLAB, 4" MIN, BROOM CLEAN AND REMOVE ALL LOOSE ROCK BEFORE PLACING CONCRETE
 4. SUBMIT SHOP DRAWINGS FOR HYDROPHILIC GASKETS AND CONCRETE MIX FOR REVIEW

NO SCALE

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 01-07-2020 Lic. No. 26424

APPROVED 1-7-2020
Taul A. Kutz
CITY ENGINEER

CITY OF ST. PAUL
DEPARTMENT OF PUBLIC WORKS
RECONSTRUCT MANHOLE
FOR ROCK SURFACE

Date of Revision
JAN. 2020

Standard Plate No.
2114