

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

ADJUST TO GRADE PER STD. PL. 2321B

27" RCP RISER WITH 4" WALL THICKNESS

ANCHOR CLAMP PER STD. PL. 2311B

3G52 CONCRETE BASE

C900 P.V.C. WITH MECHANICAL RETAINER JOINTS SAME DIAMETER AS DROP PIPE

REMOVE DISPOSE OF EXISTING CLAY TEE

EXTEND CONCRETE HORSE SHOE ENCASUREMENT 6" ABOVE JOINT OR TOP OF ROCK (IF ANY), WHICHEVER IS HIGHER. USE TYPE 3G52 CONCRETE

DO NOT ENCASE JOINT

INSTALL ±3' OF 12" PVC C900 PIPE STUB

CONNECT TO EXISTING V.C.P.

INSTALL FERNCO COUPLING PER STANDARD PLATE 2324A

INSTALL CL 52 D.I.P. CROSS

INSTALL P.V.C. C900 DROP PIPE

INSTALL FERNCO COUPLING PER STANDARD PLATE 2324A

PRECAST CONCRETE HORSESHOES SET IN 3/8" FULLY MORTARED BED

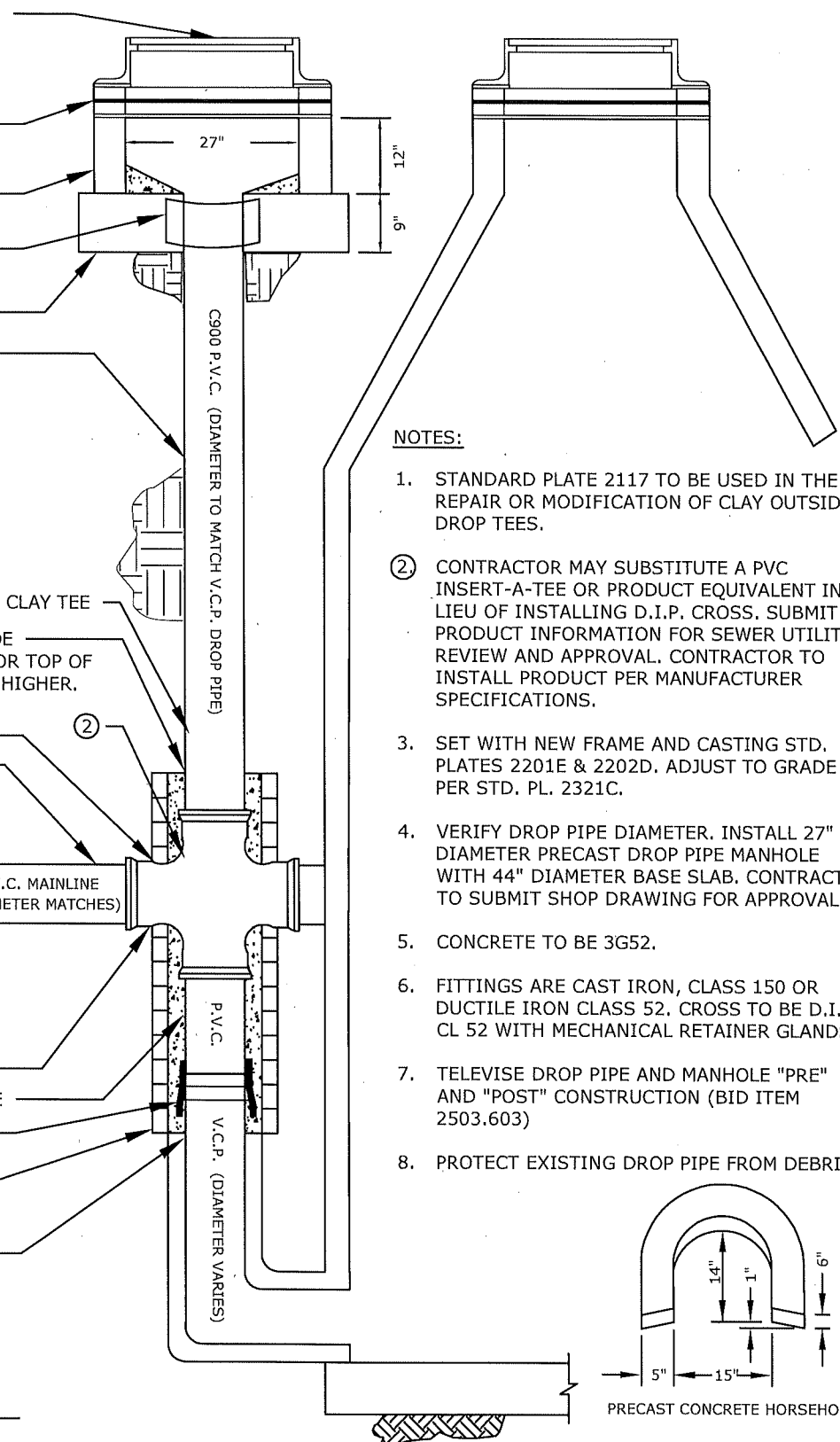
CONNECT TO EXISTING V.C.P. DROP PIPE

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

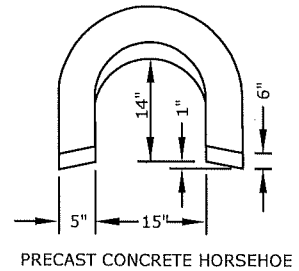
AARON D HASS

Date 09-09-2021 Lic. No. 26424



NOTES:

1. STANDARD PLATE 2117 TO BE USED IN THE REPAIR OR MODIFICATION OF CLAY OUTSIDE DROP TEES.
- ② CONTRACTOR MAY SUBSTITUTE A PVC INSERT-A-TEE OR PRODUCT EQUIVALENT IN LIEU OF INSTALLING D.I.P. CROSS. SUBMIT PRODUCT INFORMATION FOR SEWER UTILITY REVIEW AND APPROVAL. CONTRACTOR TO INSTALL PRODUCT PER MANUFACTURER SPECIFICATIONS.
3. SET WITH NEW FRAME AND CASTING STD. PLATES 2201E & 2202D. ADJUST TO GRADE AS PER STD. PL. 2321C.
4. VERIFY DROP PIPE DIAMETER. INSTALL 27" DIAMETER PRECAST DROP PIPE MANHOLE WITH 44" DIAMETER BASE SLAB. CONTRACTOR TO SUBMIT SHOP DRAWING FOR APPROVAL.
5. CONCRETE TO BE 3G52.
6. FITTINGS ARE CAST IRON, CLASS 150 OR DUCTILE IRON CLASS 52. CROSS TO BE D.I.P. CL 52 WITH MECHANICAL RETAINER GLANDS.
7. TELEWISE DROP PIPE AND MANHOLE "PRE" AND "POST" CONSTRUCTION (BID ITEM 2503.603)
8. PROTECT EXISTING DROP PIPE FROM DEBRIS



APPROVED 9-16-2021
Paul P. Kurty
CITY ENGINEER

CITY OF ST. PAUL
DEPARTMENT OF PUBLIC WORKS
**OUTSIDE DROP
MODIFICATION**

Date of Revision
SEP 2021

Standard Plate No.
2117