



**NOTES:**

1. THIS DETAIL APPLIES TO HOUSE SERVICE CONNECTIONS CHANGES WHERE EXISTING SERVICE LATERALS REMAIN IN PLACE, OR WHEN THE EXISTING LATERAL IS BEING REPLACED OR UPSIZED.
2. BRICK SEWERS CAN BE UNLINED OR LINED WITH CIPP.
3. BEFORE BEGINNING WORK, CONTRACTOR TO SUBMIT WORK PLAN AND PRODUCT INFORMATION TO THE ENGINEER OF RECORD AND SEWER UTILITY FOR REVIEW.
4. CONTRACTOR TO TELEVISE REPAIRED SEWER LATERAL AND SUBMIT TO ENGINEER OF RECORD AND SEWER UTILITY FOR REVIEW.
5. CONTRACTOR TO ENTER THE SEWER BY CONFINED SPACE ENTRY TO REPAIR AND DOCUMENT THE SERVICE LATERAL CONNECTION WORK, AND SUBMIT TO ENGINEER OF RECORD AND SEWER UTILITY FOR REVIEW.
6. FLEXIBLE COMPRESSION GASKET TO COMPLY WITH ASTM C564. USE FERNO MULTI TITE PIPE, PROFLOW OR APPROVED EQUAL.
7. CORE DRILL BRICK OPENING AND CIPP LINER TO ACCEPT PROPOSED PIPE.
8. FLEXIBLE SHIELDED COUPLINGS TO BE INSTALLED BETWEEN THE NEW LATERAL PIPING AND EXISTING PIPING. FLEXIBLE SHIELDED COUPLING TO CONFORM TO ASTM C1173, CSA B602, ASTM D5926 AND HAVE 300 SERIES STAINLESS STEEL (0.012IN MIN THICKNESS).
9. LATERAL PIPE SHALL BE C900 PVC OR C905 PVC OR ENGINEER APPROVED EQUAL.
10. SLEEVING OF PVC SEWER PIPING THROUGH AN EXISTING VCP SEWER SERVICE LATERAL MAY BE ALLOWED. CONTRACTOR TO SUBMIT DETAILED PROPOSED WORK PLAN TO SEWER UTILITY FOR REVIEW. IF ALLOWED THE PIPE SLEEVE IS TO EXTEND ALL THE WAY TO THE MAINLINE SEWER AND ANNULAR SPACE TO BE GROUTED.
11. EXCAVATIONS NEXT TO BRICK SEWERS WILL REQUIRE SPECIAL CARE TO CONTROL AND MINIMIZE VIBRATIONS, AND NOT INCREASE LOADING. CONTRACTOR TO SUBMIT DETAILED PROPOSED WORK PLAN TO ENGINEER OF RECORD AND SEWER UTILITY FOR REVIEW.

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

*Arnon D. Hass*

Date 6-23-21 Lic. No. 26424

APPROVED 6-23-2021  
*Tault A. Luvitz*  
 CITY ENGINEER

CITY OF ST. PAUL  
 DEPARTMENT OF PUBLIC WORKS  
**NEW/RECONNECT SERVICE TO  
 LARGE EGG SHAPED BRICK TUNNEL**

Date of Revision  
 JUNE 2021

Standard Plate No.  
**2328**