



COMPACTED GRANULAR PIPE BEDDING (PER MNDOT 2451)
 -AT MINIMUM PLACE COMPACTED GRANULAR MATERIAL,
 COMPACTED TO NOT LESS THAN 100% OF MINIMUM DENSITY
 IN ACCORDANCE WITH ASTM D-698 AND D-1556, TO A POINT
 12-INCHES ABOVE THE REPAIRED SERVICE LATERAL PIPING
 AND CONNECTION TO THE SEWER MAINLINE

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 1-3-22 Lic. No. 26424

- NOTES
- 1: EXISTING SANITARY SEWER IS VCP, RCP, DIP, OR PVC SEWER MAIN LESS THAN 25"
 - 2: FLANGED SADDLE PRODUCT TO CONFORM TO ASTM D5926, INCLUDE APPROVED MECHANICAL STAINLESS STEEL CLAMPS. CONTRACTOR TO SUBMIT PRODUCT SPECIFICATIONS TO SEWER UTILITY AND ENGINEER FOR REVIEW AND APPROVALS. CONTRACTOR TO INSTALL APPROVED PRODUCT PER MANUFACTURER SPECIFICATIONS
 3. WHEN ANOTHER SERVICE LATERAL IS DIRECTLY ACROSS, REPLACE A PORTION OF THE MAINLINE WITH C900 PVC AND THEN CORE DRILL TWO NEW ROUND HOLES PER CITY STANDARD PLATES 2324, 2337 (CURRENT VERSION)

APPROVED 1-4-2022
Paul A. Kurtz
 CITY ENGINEER

CITY OF ST. PAUL
 DEPARTMENT OF PUBLIC WORKS
**SERVICE CONNECTIONS TO SEWER MAINS
 WITH IRREGULAR OPENINGS AND WYES**

Date of Revision
 JAN 2022

Standard Plate No.
2339