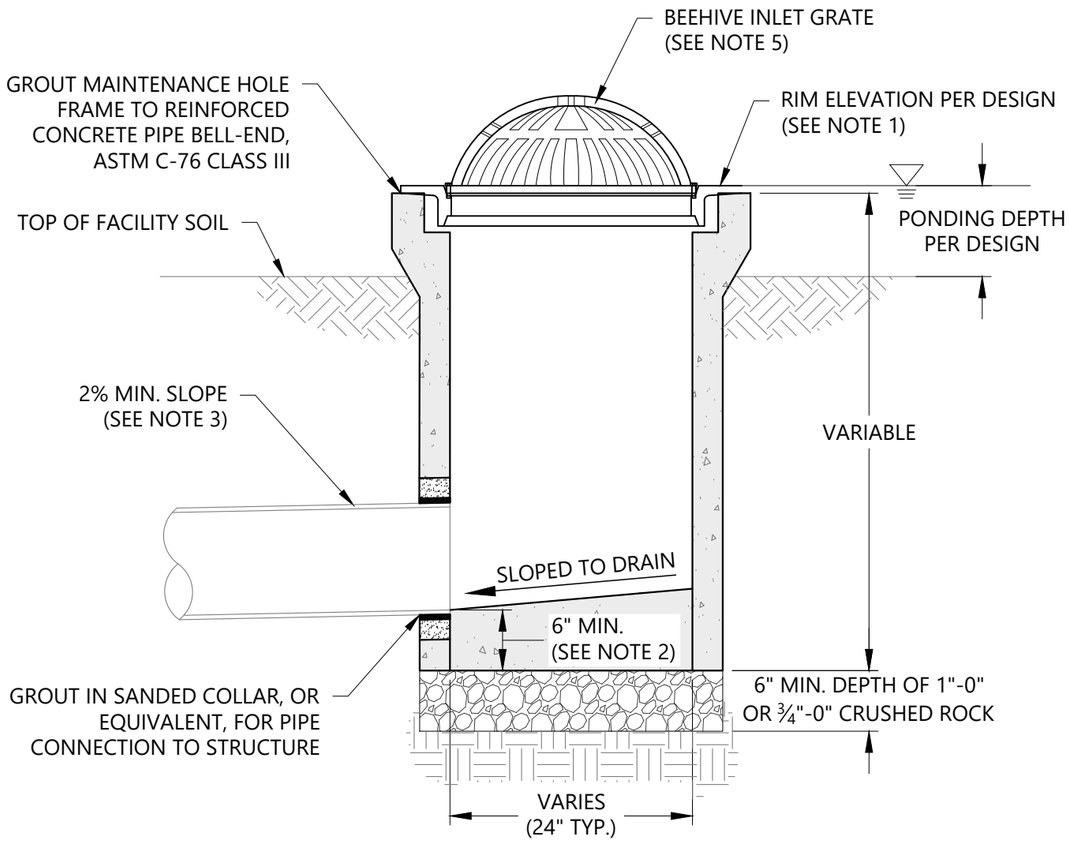

BEEHIVE INLET - SECTION

NOTES:

1. SET BEEHIVE RIM ELEVATION (RIM) AT THE LOWEST OF THE FOLLOWING: 2" BELOW LOWEST TOP OF CURB (TOC), SIDEWALK AT PLANTER WALL NOTCH, LOWEST TOP OF PLANTER WALL, OR EQUAL TO THE UPSTREAM BOTTOM OF INLET (BI). IF IT DOES NOT MEET THIS CRITERIA CONTACT INSPECTOR FOR DIRECTION.

2. CONSTRUCT CONCRETE BASE SLOPED TO DRAIN. CONCRETE BASE SHOULD HAVE A MINIMUM THICKNESS OF 6" AT DRAIN PIPE INVERT.

3. IF CONNECTING TO A COMBINATION SEWER MAINTENANCE HOLE INSTALLATION OF A SWING-CHECK TYPE BACKWATER VALVE OR APPROVED EQUAL IS REQUIRED TO PREVENT ODOR EMISSIONS. INSTALL PER MANUFACTURER'S RECOMMENDATION.

4. IF BEEHIVE INLET IS LOCATED IN A LINED FACILITY, THEN ATTACH LINER TO STRUCTURE USING STAINLESS STEEL SHEAR BANDS.

5. INSTALL OLYMPIC FOUNDRY INC. MH25 BEEHIVE GRATE WITH MH30 24x4 REVERSIBLE RING, OR APPROVED EQUAL.

   5.1. CAST IRON ASTM A48 CL30
   5.2. 276 OPEN SQUARE INCHES
   5.3. BOLT GRATE TO FRAME IN 2 PLACES WITH ⅜" SS HEX BOLT. COUNTER SINK NOT REQUIRED.
   5.4. BOLTS TO HAVE ANTI-SEIZE THREAD LUBRICANT APPLIED AT INSTALLATION.

The selection and use of this Standard Detail, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user.

Bureau of Environmental Services
CITY OF PORTLAND, OREGON
Digitally signed by Paul Suto
Date: 2025.03.10 09:16:59 -07'00'
Chief Engineer

Standard Detail Title

CONCRETE INLET, TYPE BEEHIVE

Note:
All material and workmanship shall be in accordance with the City of Portland Standard Construction Specifications.

Effective Date: 03-01-2025
Calc. Book No.: N/A
Baseline Report Date: N/A

Standard Detail No.

P-309

P-309_CONCRETE INLET_TYPE_BEEHIVE.DWG 2/28/25 11:58 AM SPEREZ