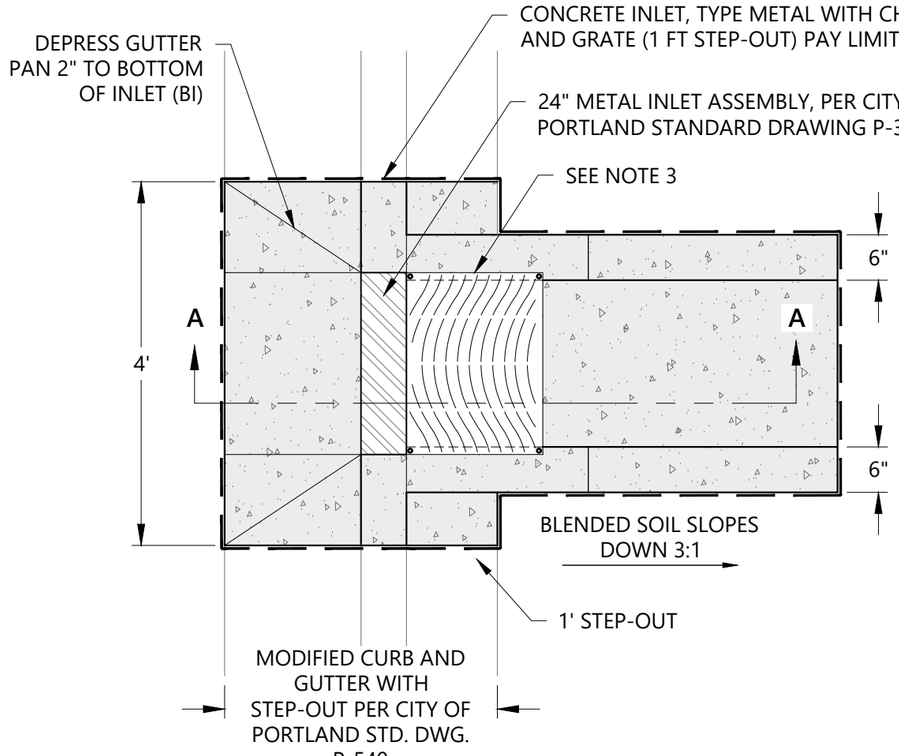

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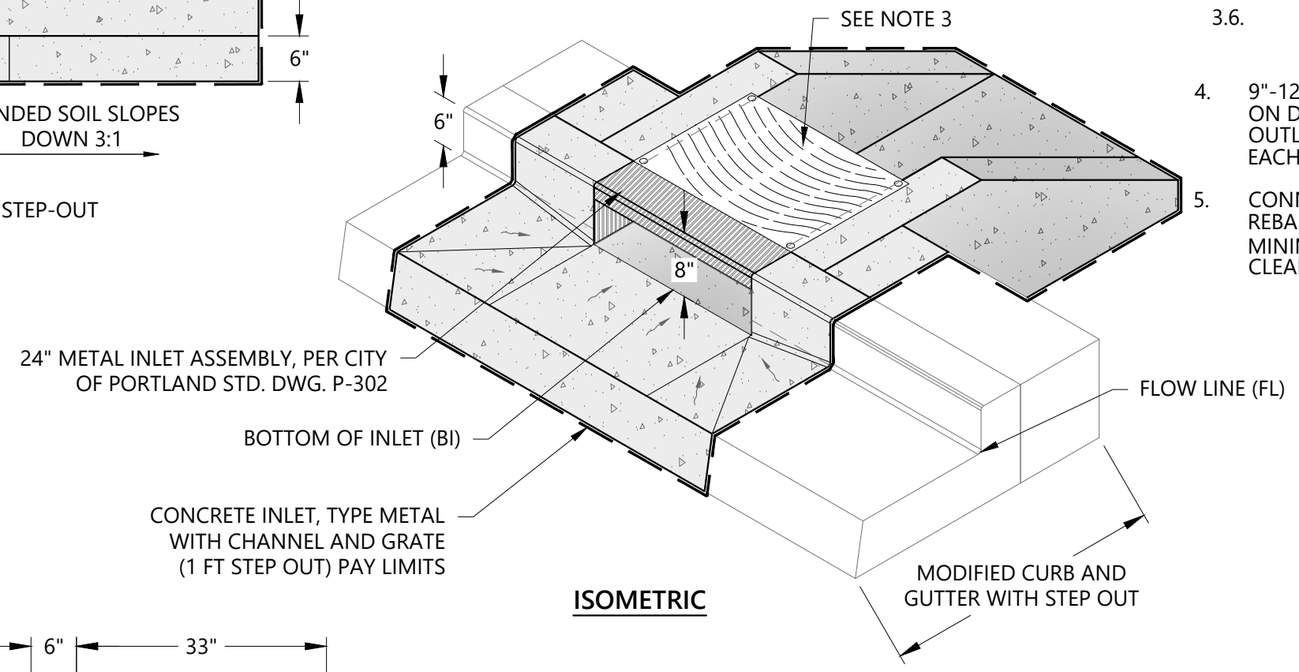
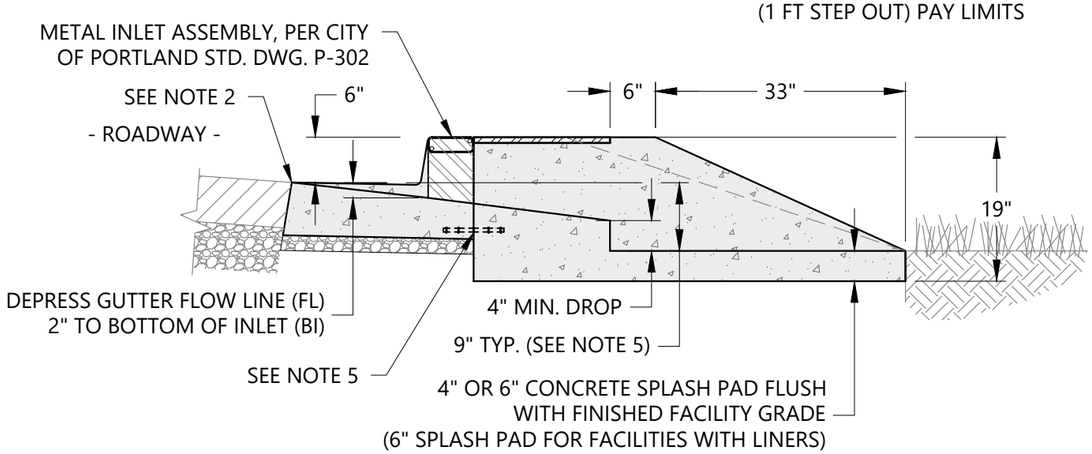


ISOMETRIC



SECTION A-A

NOTES:

1. REFER TO CITY OF PORTLAND STANDARD DRAWING P-540 FOR MODIFIED CURB AND GUTTER.
2. SMOOTH TRANSITION TO ENSURE WATER FLOWS INTO GUTTER.
3. CHANNEL GRATE AND FRAME:
   - 3.1. OLYMPIC FOUNDRY INC. SM50 18"x24" "TWS" ADA GRATE WITH FRAME, OR APPROVED EQUAL.
   - 3.2. CAST IRON WITH NATURAL FINISH.
   - 3.3. RATED FOR H-20 LOADING.
   - 3.4. ADA COMPLIANT.
   - 3.5. BOLT GRATE TO FRAME IN TWO OPPOSITE CORNERS. COUNTERSINK, DRILL AND TAP SS 6-SIDED HEX HEAD BOLT.
   - 3.6. BOLTS TO HAVE ANTI-SEIZE THREADED LUBRICANT APPLIED AT INSTALLATION.
4. 9"-12" DEPTH TYPICAL. TOP OF SOIL ELEVATION BASED ON DESIGNED PONDING DEPTH AND FREEBOARD AT OUTLET (CHECK DAM, BEEHIVE, OUTLET NOTCH) OF EACH FACILITY BAY.
5. CONNECT CONCRETE SPLASH PAD TO INLET WITH #4 REBAR SPACED 12" O.C. DOWELS SHALL HAVE 4" MINIMUM EMBEDMENT INTO INLET AND HAVE 1½" CLEARANCE FROM ALL CONCRETE EDGES.

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.

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

Bureau of Environmental Services
CITY OF PORTLAND, OREGON
Digitally signed by Paul Suto
Date: 2025.03.10 09:14:54 -07'00'
Chief Engineer

Standard Detail Title

CONCRETE INLET, TYPE METAL WITH CHANNEL AND GRATE (1 FT STEP-OUT)

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

Standard Detail No.
P-304

P-304_CONCRETE_INLET_TYPE_METAL_WITH_CHANNEL_AND_GRATE_(1_STEP-OUT).DWG 3/7/25 3:04 PM SPEREZ