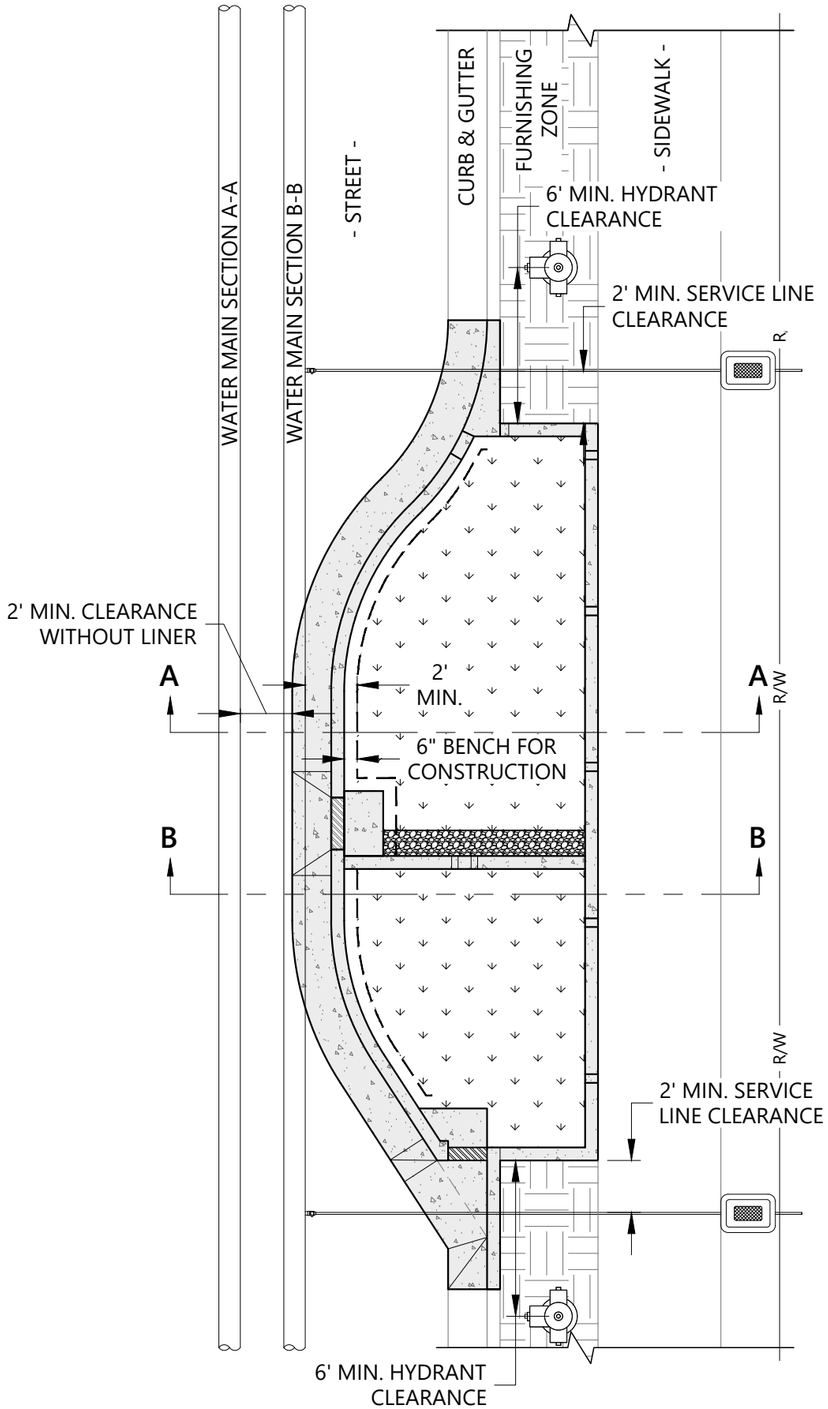
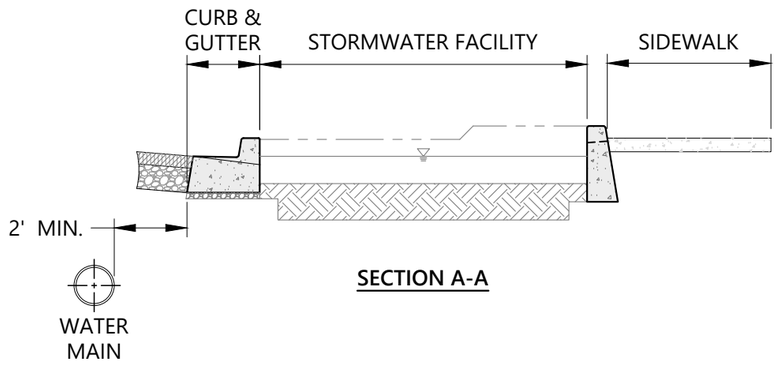
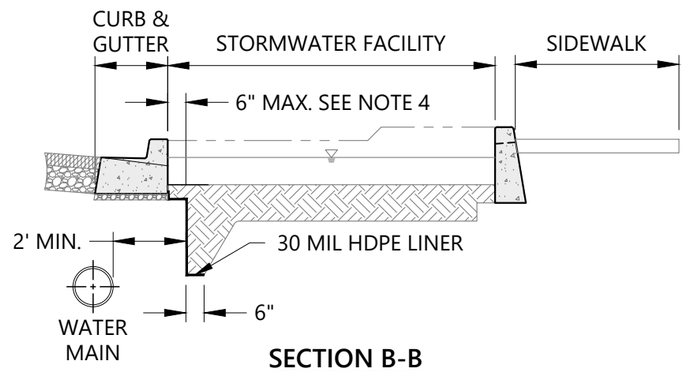


PLAN



SECTION A-A



SECTION B-B

NOTES:

1. REFER TO FIRE HYDRANT ASSEMBLY STANDARD DRAWING P-700. CENTER OF HYDRANTS MUST HAVE MIN 6 FT CLEARANCE FROM THE CENTER OF THE HYDRANT TO THE OUTSIDE EDGE OF STORMWATER FACILITY.

2. MAINTAIN 2FT SKIN-TO-SKIN SEPARATION DISTANCE BETWEEN THE FACE OF GUTTER PAN AND WATER MAIN. IF WATER MAIN IS < 2 FT FROM FACE OF GUTTER PAN, A 30 MIL HDPE SHIELD LINER IS REQUIRED, UNLESS OTHERWISE APPROVED BY PWB. VERIFICATION OF WATER MAIN DEPTH AND LOCATION IS REQUIRED PRIOR TO PWB APPROVAL.

3. CROSS-SECTION VIEWS MAY BE REQUIRED ON CONSTRUCTION PLANS FOR PWB TO VERIFY WATER MAIN LOCATION IN RELATION TO FACILITY.

4. FOR PLANT HEALTH THE MAXIMUM WIDTH FOR ENCROACHMENT INTO THE FACILITY WITH A LINER FOR WATER LINE PROTECTION IS 6". AFTER 6", THE WATER MAIN MUST BE RELOCATED.

5. STRAIGHT RUNS OF WATER MAIN WITH NO FITTINGS, WATER SERVICE CONNECTIONS , HYDRANT CONNECTIONS, NOR CONNECTIONS TO OTHER WATER MAINS MAY REMAIN UNDERNEATH STORMWATER FACILITIES AS LONG AS:

   5.1. THERE WILL BE 18" OF UNDISTURBED SOIL COVER OVERTOP OF THE WATER MAIN DURING EXCAVATION OF THE FACILITY, AND ≥ 30" OF COVER AT THE FINISHED GRADE FOR THE FACILITY.

   5.2. A 30 MIL HDPE SHIELD LINER IS INSTALLED. EXTEND 3' ON EITHER SIDE OF THE WATER MAIN WHERE IT CROSSES UNDER THE FACILITY.

6. 40 MIL LINER REQUIRED IN THE COLUMBIA SOUTH SHORE WELL FIELD PROTECTION AREA WHEN USED TO PROTECT GROUNDWATER.

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 09:18:35 -07'00'
Chief Engineer

Standard Detail Title

UTILITY COORDINATION WATER ASSET CLEARANCES

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-333

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