

Application for Waiver from Construction Standards for Public Water Systems

Revised March 2025

Water System Name: Portland Water Bureau

PWS ID: 00657

Project or Facility: 16" Main in S Macadam Ave

County: Multnomah

Need for waiver identified: Water System Survey

Date of Survey:

Plan Review # Exempt

Construction standard requested to be waived: OAR 333-061-0050 (9)(b) water sewer separation

As provided under OAR 333-061-0055, OHA may grant waivers from the construction standards prescribed by these rules:

- (a) When it is demonstrated to the satisfaction of OHA that strict compliance with the rule would be highly burdensome or impractical due to special conditions or causes; and
- (b) When the public or private interest in the granting of the waiver is found by OHA to clearly outweigh the interest of the application of uniform rules; and
- (c) When alternate measures are provided which, in the opinion of OHA, will provide adequate protection to the health and safety of the public including the ability to produce water which does not exceed the maximum contaminant levels listed in rule 333-061-0030.

Describe situation that conflicts with the standard. A new 16-inch ductile iron water main will be installed in S Macadam Ave between two existing sewer mains. The proposed alignment will keep 5' of parallel horizontal separation from the sewer main on the south side to avoid any construction standard conflict with it. Unfortunately this will only leave 5.5' to 6' of centerline to centerline separation with the 34-inch, deep existing sewer main to the north (approximately 4' to 4.5' of skin to skin separation), creating a zone 2 parallel horizontal conflict. See attached plans sheet 2 at 5+00 to sheet 4 at 11+20.

Describe why meeting the standard is highly burdensome or impractical. The proposed alignment was selected to avoid conflict with the more shallow sewer to minimize risk, and moving the alignment would increase conflict with it. S Macadam Ave is a high traffic thoroughfare coming off of the interstate freeway, and the construction street opening permit only allows for night construction in a very short construction window. This limits the ability to use CLSM as mitigation because it requires up to 3 days to cure before backfilling and closing the street.

Describe proposed alternate measure that provide adequate protection to public health and safety. A large vertical separation composed of undisturbed, native-compaction soil is proposed to protect public health in lieu of the horizontal separation. The sewer main ranges from 19' to 26' deep in the conflict area, providing 12' to 19' skin to skin vertical separation of undisturbed soil.

EMAIL this form along with plans of proposed waiver request and additional supporting information to your regulator or dws.planreview@odhsoha.oregon.gov. If you are unable to send your documents electronically, please contact OHA before mailing them.

Signature: 	Date: 05/16/2025
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- Comments:
- Attachments (describe): Improvement plans

OHA Use Only

Waiver ID: 533-2025

Entered into waiver database

Plan Review Coordinator's notes: 12 to 19 feet of undisturbed soil is an acceptable mitigation to this zone 2 conflict.

After due consideration the above requested waiver from the construction standards of OAR 333-061-0050 is hereby:

- Approved Comments:
- Denied

Kari Salis

June 11, 2025

Technical Services Unit or Regional Manager
 OHA Drinking Water Services

Date

Waiver database updated