



City of Medford Supplemental
to the
Rogue Valley Stormwater Quality Design Manual
for
PUBLICLY MAINTAINED STORMWATER FACILITIES IN MEDFORD

December 2022

Revised April 2025 (revisions underlined)

Access Roads: Paved access roads, 10 feet wide, shall be provided to any control structure, manhole, cleanout, and forebay. Access roads shall be within easements 12 feet wide. Curves and turns in the access road shall be navigable by maintenance equipment with turning radius' similar to that of fire trucks. The location shall be:

- For a manhole or cleanout – the access road shall be directly to the structure.
- For a control structure at the end of an access road - the access road shall be no more than 6 feet away from the structure.
- For a control structure where maintenance equipment can park next to it - the side of the access road shall be no more than 20 feet away from the structure, at a distance no less than 18 feet from the end of the access road.
- For a forebay – the access road shall be close enough for track equipment to access the forebay.

Infiltration Facility Location: Where infiltration facilities will be located adjacent to or under paved public roads, including permeable pavement, a geotechnical engineer shall address the possible impacts of the facility on the structural integrity of the public road and pavement section. In lieu of a geotechnical review, where infiltration facilities will be located adjacent to the road, the facility can include an impermeable liner, installed vertically between the facility and the road and under the facility within 2 feet of the road.

Facility Location: All portions of the facility, where maintenance is required, shall be directly accessible by City Crews. Facilities requiring surface maintenance, such as ponds with vegetation, shall not be located within residence backyards.

Gates: Fences shall include gates, as needed for maintenance access. Gates shall be at least 12 feet wide and shall provide access to any outlet control structure, manhole, cleanout, and forebay. In certain instances, narrower man gates will be allowed, but they must be pre-approved by the City Engineer.



Manholes: Control structure and diversion manholes shall have access on either side of weir plates and directly above inverted tees, as applicable.

Pipe Size: All pipes shall be 12 inch minimum in size, unless they are underdrains which can be 8 inch minimum, and except where a smaller pipe is specified as part of a proprietary facility.

Sidewalks: Where maintenance equipment will drive over or park on a sidewalk, the concrete shall be 6 inches thick and reinforced with #4 rebar, located 12" on-center.

Steep Slopes: In areas with slopes over 8%, a geotechnical engineer shall address the stability of the facility and any potential impacts to any adjacent or nearby infrastructure, such as roads and walls, and adjacent property.

Stormtech or StormKeeper Facilities:

- Will be approved by the City Engineer on a case-by-case basis and must be approved in advance of plan submittal.
- Shall have a pre-treatment manhole with an inverted tee just upstream of the isolator row.
- The isolator row shall include the FLAMP product.
- Chambers used for detention, but designed in-line as part of the conveyance system, shall be installed with the isolator row plus fabric and have FLAMPs on both ends.
- Shall include a manifold on the upstream end to allow high flows to directly bypass the isolator row.
- May be required to include root barriers to protect the isolator row if it is located near a landscape area and as determined by the City Engineer.

R-Tank Facilities: R-Tank Stormwater Modules will not be allowed for public street runoff at this time unless pre-approved by the City Engineer on a case-by-case basis in advance of plan submittal. If approved, all applicable requirements for Stormtech Facilities shall apply.

Vegetation: Vegetated facilities shall be planted with grasses. Shrubs and trees must be approved in advance. The Developer shall be responsible for vegetation establishment over a 3 year period after which vegetation management will be performed by the City. Alternatively, the Developer or property owner may request to maintain the vegetation themselves within a public stormwater facility and execute a shared maintenance agreement.



Walls: Generally, walls will not be allowed to be in and around facilities. In rare circumstances approval may be provided by the City Engineer. Such approval must occur prior to plan submittal.

Planter Bulb Outs: Streets with parking lanes may be designed with bulb-outs for stormwater facilities within some of those parking lanes. The stormwater facilities can be in bulb-outs located mid-block, taking up one or more parking spots, or can be located within lengthened intersection bulb-outs. Prior to approval, the Design Engineer shall confirm with the Planning Department that the site is not parking-limited and that there won't be any impacts to conditions of approval.