

SECTION 01010 - STORMWATER CONTROL, WATER QUALITY STRUCTURES

(Follow all instructions and make all edits with "Track Changes" turned on. This Section is not published in the Oregon Standard. If there are no instructions [purple text] above a subsection, paragraph, sentence, or bullet, then include it in the Project, unless the item(s) that are included in the subsection, paragraph, sentence, or bullet are not required on the Project and then they should be deleted. In general do not re-number or re-letter subsections when item(s) are deleted. Delete all purple text before preparing the final document. All other modifications to this Section will require ODOT Technical Resource and State Specifications Engineer approval.)

Be sure to include a separate bid item for each water quality Structure identified by the Drainage Facility Identification Number (DFI).)

Section 01010 is not a Standard Specification and is included for this Project by Special Provision.

Description

01010.00 Scope - This Work consists of furnishing and installing a Water Quality Structure as shown.

01010.02 Definitions:

Water Quality Structure - An underground self-activating Structure with no moving mechanical parts or external power sources that removes pollutants from stormwater runoff and retains the pollutants in the Structure.

01010.03 Submittals - Furnish Water Quality Structures from the QPL or an approved equal according to 00160.05.

Furnish the following Water Quality Structures as indicated in Table 01010-1:

(Fill in the table for each water quality structure with one of the following treatment categories: "sediment pretreatment", "oil treatment", "suspended solids treatment", "dissolved metals treatment", or "phosphorous treatment". Obtain the types from the Designer.)

Table 01010-1

Drainage Facility Identification Number	Location (Station)	Stormwater Control Facility Treatment Category	Manufacturer's Model Number

Submit the following according to 00150.35:

- Unstamped Working Drawings that include the following information:
 - All design and construction details.
 - Structure plan view with dimensions.
 - Typical section with dimensions.
 - All appurtenances labeled.
 - Installation and pipe connection details.
 - Peak flow bypass details.
- Manufacturer prepared product brochures.
- Design calculations showing the water quality design flow rate and online peak flow rate requirements for each Water Quality Structure listed in the Table 01010-2.

(Fill in the table for each water quality structure. Obtain information from the Designer.)

Table 01010-2

Drainage Facility Identification Number	Location (Station)	Contributing Impervious/Drainage Area (Acres)	On-line or Off-line	Water Quality Design Flow Rate (cubic feet per second)	On-line Water Quality Structure Peak Flow Rate (cubic feet per second)

Materials

01010.11 Facility Field Markers - Furnish Type S3 field markers according to 00842.10.

Construction

01010.40 General - Construct Water Quality Structures according to the manufacturer's recommendations and as shown or directed.

01010.41 Pipe connections - Place connecting pipe at the required alignment and grade. Set the connecting pipe through the full thickness of the wall and flush with the inner face of the wall. Ensure that pipe connections to the Structure are watertight. Connect all pipes to Water Quality Structure according to the manufacturer's recommendations.

01010.42 Facility Field Markers - Install field markers as shown and according to Section 00842.

Maintenance

01010.70 Cleaning - Remove all accumulated sediment and debris before completing the facility.

Measurement

01010.80 Measurement - No measurement of quantities will be made for Work performed under this Section.

Field facility markers will be measured according to 00842.80.

Payment

01010.90 Payment - The accepted quantities of Work performed under this Section will be paid for at the Contract lump sum amount for the item "Water Quality Structure, _____".

The drainage facility identification number is inserted in the blank.

Field facility markers will be paid for according to 00842.90.

Payment will be payment in full for furnishing and placing all Materials, and for providing all Equipment, labor, and Incidentals necessary to complete the Work as specified.