

SP00245 (2015 Specifications: ~~11-13-14~~05-01-16) (This Section requires SP00290.)

(Use this Section when the Contractor is to provide temporary water management facilities.)

SECTION 00245 - TEMPORARY WATER MANAGEMENT

(Follow all instructions. If there are no instructions above a subsection, paragraph, sentence, or bullet, then include them in the project. The specifications may be modified to include project specific specifications, but all additions, deletions, or modifications must be sent to the ODOT Technical Resource and Senior Specifications Engineer for review and approval.)

Section 00245, which is not a Standard Specification, is included in this Project by Special Provision.

Description

00245.00 Scope - This work consists of furnishing, installing, operating, maintaining, and removing temporary water management facilities in regulated work areas.

00245.02 Definitions:

Temporary Water Management Facility - A facility that conveys water around work areas, removes water from work areas, and treats and discharges water at locations outside work areas.

00245.03 Temporary Water Management Plan - The Agency Temporary Water Management Plan (TWMP) is a concept plan. 28 Calendar Days before beginning work in regulated work areas, submit stamped working drawings of a Contractor-developed TWMP, according to 00150.35, based on either the Agency's concept plan or an independent plan that meets water quality and environmental guideline requirements and does not affect neighboring properties or water rights.

Include at least the following information:

- The sequence and schedule for dewatering and re-watering.
- How the work area will be isolated from the active stream flow upstream, through, and downstream.
- How the stream flow will be routed and conveyed around or through the isolated work area.
- How the isolated area will be de-watered.
- How the pumped water will be treated before it is discharged downstream.
- Discuss all construction stages.
- A list of on-site backup materials and equipment
- Calculations of water withdraw pumps capacity.

Obtain the Engineer's written approval before beginning work in in-water work areas.

Materials

(Delete material items that do not apply and include other materials as necessary.)

00245.10 Materials - Furnish materials meeting the following requirements:

Concrete Barrier	00820.11
Pipe	00445.11
Plastic Sheeting	00280.14(a)
Riprap	00390.11
Rock Gabion Baskets	02340
Sandbags	00280.15(a)
Water Intake Screening.....	00290.34(c)

Furnish pumps that are:

- Self priming.
- Equipped with a variable speed governor.
- Equipped with a power source.
- Able to pump water that contains soft and hard solid.

Construction

00245.40 Fish Removal - The Agency, ODFW biologists, or ODOT consultant personnel will remove fish and aquatic life from the isolation work areas. Allow them access into the isolation work areas before and after installation of the temporary water management facilities as follows:

- **Before Installation of Facilities** - Before installing temporary water management facilities they will remove fish and aquatic life within the proposed isolated work area.
- **After Installation of Facilities** - After installing temporary water management facilities begin reducing the water level through the isolated work area. They will remove all fish and aquatic life as the water level is reduced. Do not de-water the isolation area until all fish and aquatic life have been removed.

00245.41 Installation - During installation of the temporary water management facility, maintain a downstream water flow rate of at least 50 percent of the upstream water flow rate.

00245.42 Operation - Operate temporary water management as follows:

- Protect fish and fish habitat according to 00290.34.
- Maintain and control water flow downstream of the isolated work area for the duration of the diversion to prevent downstream de-watering.
- Clean and repair water intake screening to maintain adequate flow and protection of aquatic life.

00245.43 Maintenance - Monitor water turbidity according to 00290.30(a-8).

00245.44 Removal - Remove the temporary water management facility and rewater and restore the stream flow when approved by the Engineer. Maintain downstream water flow during removal of the facility.

Measurement

00245.80 Measurement - No measurement of quantities will be made for temporary water management facilities.

The estimated quantities of materials required for the temporary water management facility are:

(Identify temporary water management facilities by station and list materials for each facility. Delete material items that do not apply and include other materials as necessary. List each facility separately. Copy and paste for multiple facilities.)

Temporary Water Management Facility at Station _____ :

Concrete Barrier.....	_____	Feet
Pipe	_____	Feet
Plastic Sheeting	_____	Square Yard
Riprap	_____	Cubic Yard
Rock Gabion Baskets.....	_____	Square Foot
Sandbags.....	_____	Each

Turbidity monitoring will be measured according to 00290.80.

Payment

00245.90 Payment - The accepted quantities of temporary water management facilities will be paid for at the Contract lump sum amount for the item "Temporary Water Management Facility at Station _____".

The location of the facility will be inserted in the blank.

Payment will be payment in full for furnishing and placing all materials, and for furnishing all equipment, labor, and incidentals necessary to complete the work as specified.

Turbidity monitoring will be paid according to 00290.90.

No separate or additional payment will be made for designing, maintaining, operating, moving, and removing the facility.