

ROAD COMMISSION FOR OAKLAND COUNTY

SPECIAL PROVISION
FOR
SEDIMENT TRAP OUTLETS

RCOC/DESIGN:JO

PAGE 1 OF 2

RCOC20SP403D

ORG:03-27-21

REV:03-15-25

a. Description

This work shall be done in accordance with sections 402 and 403 of the Michigan Department of Transportation (MDOT) 2020 Standard Specifications for Construction, except as herein provided.

This work shall consist of supplying and constructing a sediment trap outlet in catch basins with additional sump depth as shown on the plans, profiles and details and as specified herein.

b. Materials

1. Drainage Structures

Drainage structures containing sediment trap outlets shall be as specified in the MDOT 2020 Standard Specifications for Construction section 403 and MDOT Standard Plan R-1 series.

2. Storm Sewers

The outlet trap shall consist of a manufactured device made specifically for the intended purpose and shall be sized to fit the proposed drainage structure/outlet pipe and mechanically fastened in place per manufacturer recommendations. The manufactured device shall be fitted with an anti-siphon device as supplied by the manufacturer. The following devices meet the requirements of this specification:

- 1) SNOUT Oil-Water-Debris Separator as manufactured by Best Management Products, Inc.
- 2) Nyloplast Envirohood as manufactured by Advanced Drainage Systems, Inc.
- 3) Or approved equal as determined by the Engineer.

Outlet Traps consisting of a pipe elbow or capped tees will not be accepted.

c. Construction

The catch basin containing the sediment trap outlet shall be constructed with a minimum 4-foot depth sump unless otherwise shown on the plans, measured from the inside floor of the structure to the invert elevation of the outlet pipe. The catch basin containing the sediment trap shall be constructed in accordance with the diameter and details shown on the project plan and details, and MDOT 2020 Standard Specifications for Construction section 403 and MDOT Standard Plan R-1 series.

The sediment trap outlet and all associated connection hardware necessary to complete the sediment trap outlet within the structure, including the anti-siphon device, shall be completed per manufacturer's recommendations, detail sheets of the plans and/or as directed by the Engineer.

d. Measurement and Payment

Supplying and constructing sediment trap outlets of the outlet diameter specified on plans and as specified above shall be measured and paid for as follows:

Pay Item

Pay Unit

Sediment Trap, _ inch dia Outlet.....Each

Sediment Trap, _ inch dia Outlet includes the cost of materials, labor, and equipment to supply and install the trap in a structure.

Drainage structures and covers containing the sediment trap outlet and drainage structure cover will be measured and paid for separately.

4-foot sump depth of the diameter called for on plans will be included in standard pay item for drainage structures up to 8-foot total depth including 4 foot depth sump.

Dr Structure, Add Depth of _ inch dia, 8 feet to 15 feet and **Dr Structure, Add Depth of _ inch dia, more than 15 feet**, will be made for structures that exceed 8 feet in total depth including required 4-foot sump depth and paid for by the appropriate items contained in the Contract.