MICHIGAN

DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION

FOR

**DRAINAGE OUTLET CONTROL STRUCTURE**

BCY:DJM 1 of 1 APPR:DMG:CP:06-03-24

**a. Description.** This work consists of furnishing and installing a drainage outlet control structure as shown on the plans. The work includes producing shop drawings, excavation, installing and backfilling to complete the drainage outlet control structure.

**b. Materials**. Furnish a drainage outlet control structure that is in accordance with subsection 403.02 of the Standard Specifications for Construction, Standard Plan R-1 Series and the details shown on the plans.

Furnish open-graded aggregate Class 46G and 34R for structure bedding in accordance with section 902 of the Standard Specifications for Construction.

Furnish and install embedded flexible watertight rubber boot connections in accordance with *ASTM C923/C923M* or approved equal for all DI pipe connections into structures in accordance with section 825 of the Standard Specifications for Construction.

**c. Construction.** Perform all work in accordance with subsections 403.03 and 406.03.G.3 of the Standard Specifications for Construction and as specified herein.

Submit shop drawings for the proposed drainage outlet control structures to the Engineer for review and approval at least of 14 calendar days prior to starting the work. Ensure no work is performed until approval of the shop drawings is received from the Engineer.

**d. Measurement and Payment.** The completed work, as described, will be measured and paid for at the contract unit price using the following pay item:

**Pay Item Pay Unit**

Dr Outlet Control Structure, \_\_ foot by \_\_ foot Each

**Dr Outlet Control Structure, \_\_ foot by \_\_ foot** includes constructing the concrete footing, aggregates, reinforced concrete weir panel within the structure, keyways within the structure for the weir panel, orifice of the dimensions shown on the plans, stop log components including key to remove stop logs and reinforced concrete flat top slab with two manhole access holes and riser sections. Payment also includes all costs associated with furnishing shop drawings for the drainage outlet control structure.

Drainage structure covers with bolt down covers and outlet pipes shown on the plans will be paid for separately in accordance with sections 401, 402 and 403 of the Standard Specifications for Construction.