MICHIGAN

DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION

FOR

**DEWATERING BARRIER**

BRG:DAN 1 of 2 APPR:EJC:DMG:04-26-24

**a. Description.** This work consists of constructing, maintaining and removing a dewatering barrier for dewatering the work zone. The dewatering barrier and dewatering system must provide a dry work area for completing substructure work. Conduct all work in accordance with the plans, the EGLE permit, this special provision, and the standard specifications.

**b. Materials.** Furnish materials for a dewatering barrier in accordance with the standard specifications, as specified herein or as approved by the Engineer.

**c. Construction.** Submit a plan outlining the installation, maintenance, and removal of the dewatering barrier electronically to the Engineer for approval at least 14 calendar days prior to starting the work. Do not proceed with construction of the dewatering barrier until receiving approval from the Engineer. Extensions of time will not be granted as a result of rejected submittals.

Construct the dewatering barrier in accordance with details shown on the plans and this special provision. Construct the dewatering barrier such that it may be readily removed and minimizes any disturbance outside the work area.

Ensure water pumped from within the dewatering barrier is discharged into geotextile filter bags situated in an upland location approved by the Engineer.

The dewatering barrier must allow the streamflow to be maintained. The dewatering plan must ensure that any water diversion material be removed immediately whenever the water upstream of the structure reaches the removal elevation shown on the plans. If the Contractor chooses to deviate from this requirement, they will be required to submit a hydraulic analysis proving that the deviation will not cause harmful interference to upstream properties. Ensure the hydraulic analysis is prepared by a consulting firm that is MDOT prequalified in Design – Hydraulics II and reviewed and approved by the Department’s Hydraulics Unit at least 14 calendar days prior to commencing any diversion. Ensure all documents submitted for hydraulic review and approval are sealed by a Professional Engineer licensed in the State of Michigan.

Ensure the dewatering barrier is removed as soon as possible after it is no longer needed for the substructure work. If sediment or debris has collected around the barrier, remove such material before the barrier is removed.

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

**Pay Item Pay Unit**

Dewatering Barrier Lump Sum

The Department will pay for geotextile filter bags separately in accordance with subsection 208.04 of the Standard Specifications for Construction.