MICHIGAN

DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION

FOR

**STOPLOG STRUCTURE**

TAY:AJP 1 of 1 APPR:DMG:NJM:03-05-21

**a. Description.** This work consists of furnishing and installing a stoplog outlet structure for detention basins. Ensure all work is conducted in accordance with this special provision, the manufacturer's recommendations and instructions, and as shown on the plans.

**b. Materials.**

1. Use untreated white oak lumber for stoplogs in accordance with section 912 of the Standard Specifications for Construction.

2. Structural Steel. Ensure all channels, grating and grating supports, lifting hooks, reinforcing steel and hardware are in accordance with section 906 of the Standard Specifications for Construction. The Engineer will determine if grating and grating supports may be omitted.

**c. Construction.** The Engineer will determine the final location for the stoplog structure. Excavate and provide bedding in accordance with subsection 401.03.A of the Standard Specifications for Construction. Install the stoplog at the outlet elevation shown on the plans. Ensure proper flow direction through stoplog. Level the stoplog vertically prior to backfilling. Backfill around stoplog by hand in six-inch lifts within three feet of stoplog structure. Compact with hand tools only. Mechanical powered compactors are prohibited. Do not use a backhoe or blade to place backfill against stoplog. Place stoplog panels and push down to make firm contact with bottom of the structure. Hang adjusting tool on the bar inside the structure.

All welding may be done in the field. Ensure welding is done in accordance with subsection 707.03.D of the Standard Specifications for Construction. Ensure all welding is done with E7018 electrodes using the shielded metal arc welding process. Ensure all electrodes are dried in an oven at a minimum of 500degrees Fahrenheit (F) for a minimum of 2 hours prior to use. For field welding, welding must not take place when temperatures are below 32 degrees F or during periods of precipitation unless the area to be welded is heated and housed in a manner approved by 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**

Stoplog Structure Each

**Stoplog Structure** includes all site preparation to complete the work as described herein and as shown on the plans. Payment for each **Stoplog Structure** will be based on a complete unit installed and ready for use as approved by the Engineer.