MICHIGAN

DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION

FOR

**STEEL CASING PIPE, 72 INCH, JACKED IN PLACE, GREAT LAKES WATER AUTHORITY**

TAY:AJP 1 of 2 APPR:DMG:REL:07-18-22

**a. Description.** This work consists of furnishing and installing steel casing at the locations shown on the plans. Ensure the casing wall thickness is in accordance with the Great Lakes Water Authority requirements specified and no substitutions are permitted.

**b. Materials.** Furnish materials in accordance with section 401 of the Standard Specifications for Construction with the exceptions listed below.

For the 72 inch steel casing pipe jacked-in-place, ensure the nominal outside diameter is 72 inches with a wall thickness of at least 0.75 inches.

Steel casing pipe must have a minimum yield strength of 35,000 psi and be in accordance with *ASTM A53/A53M, Type E or Type S, Grade B, or ASTM A139/A139M for Grade B*.

**c. Construction.** Perform the work in accordance with section 401 of the Standard Specifications for Construction and as detailed herein.

Excavate jacking and receiving pits as necessary. Provide and install sheeting, bracing, and other earth retention measures in accordance with section 704 of the Standard Specifications for Construction. Provide site drainage and subsurface dewatering and other items associated with the operation as necessary to facilitate the work.

Attach casing chocks to the carrier pipe and insert into the casing.

For Great Lakes Water Authority installations, bulkhead both ends of the casing in accordance with subsection 402.03.E of the Standard Specifications for Construction and completely grout the annular space between the casing and carrier pipe with flowable fill. The flowable fill must not contain fly ash.

When steel casing pipe is used, ensure the joints are fully closed by welding or mechanical means as approved by the Engineer.

Remove pits and backfill the excavation as necessary with material meeting the standard specifications as 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**

Steel Casing Pipe, 72 inch, Jacked in Place Foot

**Steel Casing Pipe, 72 inch, Jacked in Place** of the size required will be paid for by the length installed. The unit price for **Steel Casing Pipe, 72 inch, Jacked in Place** includes the cost of excavating the pits; providing and installing sheeting, bracing, and any other safety devices; providing jacking equipment; drainage and dewatering; bulkheading the casing ends and filling with flowable fill or pressure grouting the ends (as applicable); and all other items associated with the operation.

The carrier pipe installed within the casing will be paid for separately using the standard pay item. The unit price for the carrier pipe includes the cost furnishing and attaching casing chocks.