MICHIGAN

DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION

FOR

**EXPLORATORY EXCAVATION**

DET:SLN 1 of 2 APPR:DMG:DBP:12-08-22

**a. Description.** This work consists excavating exploratory trenches behind an existing steel sheet pile seawall, concrete relieving platform, existing outfall structures, tie rods and deadmen, and other facilities to locate voids, chambers, hollow regions, and other obstructions and backfilling the trench. Perform the work in accordance with section 206 of the Standard Specifications for Construction and as directed by the Engineer. Use care to establish the precise location of the underground facilities in advance of construction (*PA 174 of 2013 - MISS DIG Underground Facility Damage Prevention and Safety Act)* as a part of the overall project contract.

**b. Materials.** For backfill, furnish open-graded aggregate Class 46G and Class II granular material in accordance with section 902 of the Standard Specifications for Construction or flowable fill as directed by the Engineer.

Flowable fill must meet the requirements of the Special Provision for Non-Structural Flowable Fill.

**c. Construction.** Contact the MISS DIG System a minimum of 72 hours prior to beginning excavation work. Excavate the exploratory trench to expose the limits of all voids under and adjacent to the sheet pile wall and other facilities to remain. Ensure excavated material from the trench is removed from the project site. To protect the integrity of existing facilities, portions of the exploratory excavation may need to be conducted using hand tools. Repair exposed elements of sheet piles, walers, tie rods, deadmen, concrete caps, and other facilities damaged by exploratory excavation operations.

Secure the Engineer’s approval before backfilling the exploratory excavation to allow for repairs. Backfill the trench and any voids up to plan grade. Complete backfilling no later than 24 hours after approval has been given. Backfill with open-graded aggregate Class 46G below observed water surface elevation. Backfill with Class II granular material or flowable fill above observed water levels to original grade as directed by the Engineer. Compact Class II granular material in accordance with section 205 of the Standard Specifications for Construction.

Backfill any voids encountered in the trenched areas utilizing the materials specified above for those locations above and below the observed water surface elevations.

Location and length of trenches will be approved by the Engineer prior to beginning work specified.

**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**

Exploratory Excavation Foot

**Exploratory Excavation** will be measured along the length of the trench for each trench excavated and will be payment in full for completing the work as described. Payment includes all excavation, backfill and compaction of the trench with open-graded aggregate Class 46G, Class II granular material or flowable fill as directed by the Engineer.

The completed work for **Exploratory Excavation** will only be measured for those locations shown on the plans or as approved by the Engineer prior to beginning work.

Repair work to exposed elements of the sheet piles, walers, tie rods, deadmen, concrete caps, and other facilities necessitated by damage caused by the Contractor’s operation will be at no additional cost to the contract.