MICHIGAN

DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION

FOR

**TRUSS PIPE, POLYVINYL CHLORIDE, \_\_ INCH**

OAK:VAL 1 of 2 APPR:DMG:RPB:06-07-23

**a. Description.** This work consists of providing power, and maintenance to perform the work specified herein and as shown on the plans. This work includes trench excavation and backfill, locating and connecting to existing sanitary sewer mains and leads, sanitary sewer bypass pumping, dewatering (trench and/or pipe), testing, furnishing and installing all premium joints, bracing or sheeting, blocking, and all other miscellaneous items necessary for the installation of the pipe.

**b. Materials.** Furnish PVC truss pipe and fittings certified by the manufacturer to meet this special provision and in accordance with *ASTM D2680.* Ensure certification forms are furnished by the manufacturer or supplier in accordance with *ASTM D2680*. Ensure these certification forms, together with a report of the test results, are provided to the Engineer and the Owner (at the following address).

Attn: Angela Hysinger, P.E.

Township Engineer

4200 Telegraph Road

Bloomfield Hills, MI 48303

Include project location, contractor, and test lot number as part of the certification forms.

**c.** **Construction**. Install PVC truss pipe in accordance with the details shown on the plans . Maintain the sanitary system at all times, including weekends, holidays and off-peak hours. An exfiltration or infiltration test is required for the installed pipe. Maximum allowable exfiltration or infiltration must not exceed 100 gallons per inch of pipe diameter per mile per day for any section of pipe. Perform exfiltration or infiltration testing with a minimum positive head of two feet. Test the installed pipe in accordance with *ASTM F1417*. Conduit testing after the trench has been completely backfilled but prior to paving.

**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**

Truss Pipe, PVC, \_\_ inch Foot

**Truss Pipe, PVC, \_\_ inch** includes furnishing, removing, installing, and maintaining, the required materials, supplies, and equipment needed to install the sanitary sewer pipe and implement a temporary pumping system for the purpose of diverting the existing sanitary sewer flow around the portions of the project which require such temporary pumping system.

Cost of all labor, equipment, and materials necessary to conduct exfiltration or infiltration and low-pressure air testing and to remedy any unsatisfactory test, including removing and replacing any backfill or piping, is included in the contract unit price for **Truss Pipe, PVC, \_\_ inch** and will not be paid for separately.

Video inspection and all required testing are included in the contract unit price for **Truss Pipe, PVC, \_\_ inch**.