MICHIGAN

DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION

FOR

**FIRE HYDRANT, SPECIAL**

OAK:KHC 1 of 2 APPR:CJD:NJM:07-16-24

**a. Description.** This work consists of installing new city of Royal Oak and city of Hazel Park hydrants as shown on the plans. This work includes excavation, placement of hydrant(s), backfilling and testing per city standards, furnishing as-built plans, and all related work necessary to complete the fire hydrant installation.

**b. Submittals**. Submit PDF product data consisting of shop drawings and manufacturer’s literature to the Engineer and the city of Royal Oak or city of Hazel Park for approval at least 10 working days prior to construction.

Submit a general work plan outlining the procedure and schedule to be used for installation of the hydrant(s).

**c. Materials.** Furnish materials in accordance with section 923 of the Standard Specifications of Construction except as specified below.

1. Fire Hydrant. Fire hydrants must meet current *AWWA C502* and the city of Royal Oak’s and city of Hazel Park’s requirements as applicable.

Ensure all city of Royal Oak hydrants are EJ 5BR-250 5½ foot mechanical joint (MJ) DI hydrants with two 3.75-inch pumper nozzles or Engineer approved equal, one nozzle fitted with a 5-inch Harrington Integral Hydrant Storz D Dome adaptor, and drains tapped and plugged. Paint with Rustoleum Industrial 5A271 Federal Safety Red or Engineer-approved equal. Furnish Detroit 1⅛ inch pentagon operating nut.

Ensure all city of Hazel Park hydrants are EJ 5BR-250 5½ foot MJ 1⅛ inch Pent 2DTP D Dome, with one 3¾ inch pumper nozzle and one 305 5-inch Storz pumper nozzle, and drains tapped and plugged. Paint with Rustoleum Industrial 5A271 Federal Safety Red or Engineer approved equal. Furnish Detroit 1⅛ inch pentagon operating nut.

2. Pumper Fire Hydrant. Pumper fire hydrants must meet current *AWWA C502* and the city of Royal Oak’s and city of Hazel Park’s requirements as applicable.

Ensure all pumper hydrants are East Jordan EJ 5BR250 Hydrant 5-foot MJ 1⅛ inch Pent 2DTP with one 3¾ inch pumper nozzle and one 355 5-inch Storz pumper nozzle, painted with Rustoleum Industrial 5A271 Federal Safety Red or Engineer approved equal. Furnish Detroit 1⅛ inch pentagon operating nut.

Ensure all hydrants are supplied with a bury depth of 5.5 feet and must open counter-clockwise.

**d. Construction.** Construct in accordance with section 823 of the Standard Specifications for Construction and the city’s requirements.

**e. Measurement and Payment.** The completed work, as described, will be measured and paid for at the contract unit price using the following pay items:

**Pay Item Pay Unit**

Fire Hydrant, Royal Oak, Spec Each

Fire Hydrant, Hazel Park, Spec Each

Pumper Hydrant, Spec Each

**Fire Hydrant, Royal Oak, Spec; Fire Hydrant, Hazel Park, Spec; and Pumper Hydrant, Spec** will be paid for as specified in this special provision and section 823 of the Standard Specifications for Construction.