

ROAD COMMISSION FOR OAKLAND COUNTY

SPECIAL PROVISION  
FOR  
**FIRE HYDRANT ADJUSTMENT AND RELOCATION**

RCOC/DESIGN:AP/JO

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RCOC20SP823A  
ORG:04-05-21

**a. Description**

This work consists of adjusting the elevation and/or relocating existing fire hydrants and valve boxes as required for the proposed construction. Water Distributing Agency (WDA) shall mean the Regional, Municipal or Township water agency that has jurisdiction over the affected facility.

Complete all work in accordance to section 823 of the *Michigan Department of Transportation (MDOT) 2020 Standard Specifications for Construction*, this special provision, and applicable MDEGLE requirements.

**b. Materials**

Materials shall conform to requirements shown on the plans or to the requirements of the WDA, and section 823 of the *MDOT 2020 Standard Specifications for Construction*.

**c. Construction**

1. General

The contractor shall notify the WDA of proposed hydrant work 24 hours before the work is to begin. The work is to be performed under the direction and approval of the WDA.

2. Location

The location and elevation of the adjusted fire hydrant, valve and box and the orientation of the hydrant nozzles will be shown on the plans or determined by the WDA and the Engineer.

3. Permit and Financial Requirements

The Contractor shall satisfy any/all permit and financial requirements for the hydrant relocations as provided in the *Special Provision for Permits and Inspection Fees* contained elsewhere in this proposal.

4. Adjustment

Hydrant and valve box covers shall be raised and lowered in accordance with the plans or the requirement of the WDA.

5. Relocation

Concrete used for thrust blocks shall consist of Grade 3500 concrete.

Hydrant relocation shall also include adjustment to fit the proposed grade as incidental to the relocation work.

The plans will only indicate hydrant relocation, while the itemized bid sheet will show miscellaneous quantities for all methods. The Engineer, in conjunction with WDA, will determine the specified method of relocation, which may not be determined until after the main has been exposed.

Hydrants in conflict with the proposed work shall be relocated to a location of 6 feet (minimum) beyond the back of the curb as shown on the plans or as directed by the Engineer. The hydrant shall be relocated by one of the following methods approved by the WDA in conjunction with the Engineer:

A. Method A – The old hydrant valve is opened and abandoned after a new valve has been installed.

B. Method B – The water main is to be shut down, at a time specified by the WDA, and the existing valve relocated. The WDA will close the main and the work may have to be done during the night.

C. Method C – The hydrant valve is not in conflict with the construction and the valve can be closed to facilitate hydrant relocation.

D. Method D – Same as Method B except the existing "Tee" in the main shall be rotated 180 degrees.

6. Flushing

Flush and chlorinate the water system upon completion.

7. Painting

Paint the adjusted hydrant in accordance with the owner's requirements.

**d. Measurement and Payment**

The completed work, as described, will be measured and paid for at the contract unit price for the following pay item(s).

<b>Pay Item</b>	<b>Pay Unit</b>
Fire Hydrant Adjustment .....	Each
Fire Hydrant Relocation, Method _ .....	Each

**Fire Hydrant Adjustment** and **Fire Hydrant Relocation, Method \_** include equipment, labor and materials to complete this item. The unit price includes all the work to provide for a complete adjustment or relocation including, when required, excavation, disposal of materials, backfilling, pipe materials, valve, valve box cover, grade 3500 concrete for thrust block, protection of the existing facility and other items as required.

Payment for above pay items includes final adjustment water shut-off valve and box for the associated fire hydrant.