

SPECIAL PROVISIONS-ADDITIONAL

01. ADJUSTMENT TO MANHOLES AND VALVE BOXES W/RISER FITTINGS:

A. Description

1. Where approved by the Engineer, manhole and valve box adjustments may be made utilizing riser fittings. Use of fittings to make adjustments shall be in accordance with Section 858 of the *2018 Standard Specifications* and the provisions below.

B. Materials

1. Material shall meet or exceed minimum requirements of ASTM A36 carbon steel.
2. Top and bottom rings shall have a continuous weld.
3. All "M1" style risers shall have a minimum height of adjustment equal to the manhole cover thickness plus $\frac{1}{4}$ ".
4. Each riser shall be custom fabricated from measurements provided with each order. Required measurements include the following:
 - a. Existing manhole cover diameter – top & bottom
 - b. Existing manhole cover thickness
 - c. Required height of adjustment
5. After fabrication, risers are to be coated with either water based bituminous asphalt emulsion paint or BASF E-Coat w/charcoal black topcoat.
6. Pre-approved products:
 - a. East Jordan Iron Works (EJIW) "M1" & "M7" style solid riser manholes and EJIW catalog number 8500 1" & 1 $\frac{1}{2}$ " valve box riser D & T for 3 set screws or equivalent as approved by the Engineer. The "M1" & "M7" manhole style risers shall also meet the following criteria:
 - b. American Highway Products Ltd. Pivoted Turnbuckle Manhole Riser

C. Construction Methods

1. Maximum height of adjustment for repaving projects shall be 6".
2. Height adjustments shall be available in $\frac{1}{4}$ " increments.
3. During installation the contractor shall check for full bearing of lower frame section on existing casting.
4. Dimensions may vary to meet existing field conditions. Any change in dimensions shall be approved by the City.

D. Measurement and Payment

1. Payment will be made under:

| Pay Item | Pay Unit |
|----------------------------|-----------------|
| Manhole Riser Adjustment | Each |
| Valve Box Riser Adjustment | Each |