Isolation Test Station Installation at Tapping Sleeve (Orange Cap) Standard Installation Detail City of Cedar Rapids, IA

**Fig. # CR 5910.120**
CPSI Dwg. CP-653
Date: 2018-Oct-09
Rev. 0

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**CLEAR Polycarbonate Terminal Board w/ORANGE screw-on cover (shown w/o cover)**
Front Side: 1/4-20 Binding Posts
Backside: 1/4-20 hex nuts on 1/4-20 x 1" screws w/lock washer & fiber washer

1. Not Used/Spare
2. #12 AWG (Blue) to New DIP Water Main
3. #12 AWG (White) to Existing Water Main
4. Not Used/Spare
5. #12 AWG (Black) to Ductile Iron Valve Housing
6. #14 AWG (Yellow) to Reference Electrode
7. #8 AWG (White) to Existing Water Main
8. #8 AWG (Blue) to New DIP Water Main

**This Detail Applies Only to Conn. to Ex. WM at Tap Sleeve**

- **3.5" dia.(nominal) White PE Pipe Mounting Post**
- **Connector Ring**

**Test Station Orange Cap**
- Inside Flush Enclosure

**Valve Operator Extension Shaft Housing & Pad**

**Plan View**

**Install Flange Isolation Kit** (see also Fig. # 5910.124)

**Buried Reference Electrode**
- at spring line of pipe within 12" to 36" of valve housing

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* Install either post- or flush-type test stations within 35 feet of buried reference electrode

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n = Terminal Board Post # shown above