



CITY OF QUINCY

Department of Utilities & Engineering

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Director of Utilities & Engineering

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July 25, 2014

To: Planholders of the "Water Treatment Flow Meters" Solicitation

Addendum #1 to the Request for Bids

The Request for Bids is hereby amended as follows:

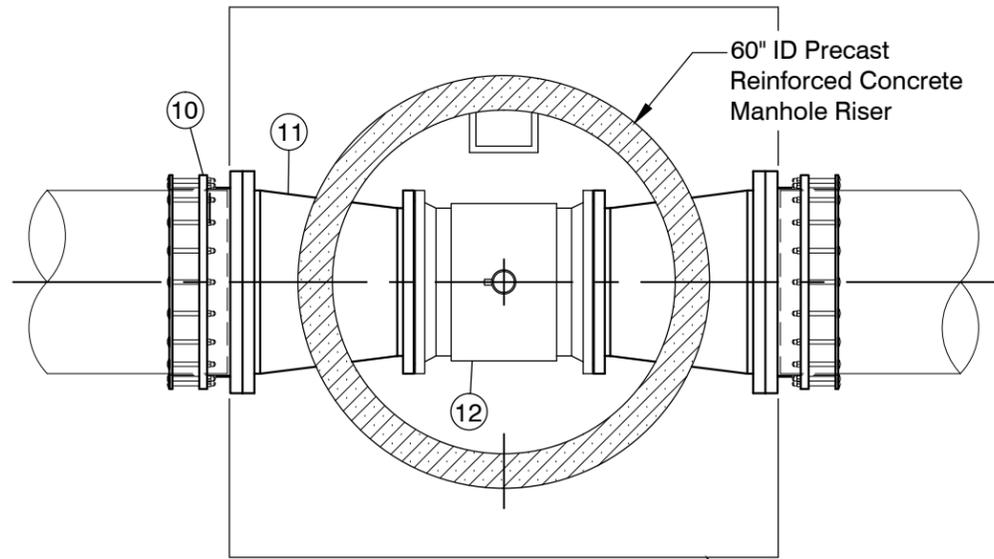
1. A line stop will not be required in the 30" raw water line. The City can drain the existing Presedimentation basin, which would leave approximately 10,000 gallons of water in the 30" raw water pipe. If the Contractor chooses to pursue this option instead of a line stop, the Contractor will need to provide temporary pumping to remove the leftover water when the pipe is cut for the proposed gate valve.
2. The depth to the top of the existing pipes must be field determined by the Contractor. The depth will depend upon the location chosen for the flow meter pit. It should be noted that the existing grade rises sharply to the east and south.
3. The Contractor may use cast-in-place construction for the flow meter vaults in place of precast concrete, if desired.
4. Keyed part number 03 on Sheet 2 of 2 is revised as follows:

Magnetic flow meter, Krohne "~~OPTIFLUX 2000~~" "ENVIROMAG 2000" or ABB
"WaterMaster" with ANSI B16.5 150-lb flanges, hard rubber liner, Hastelloy C4 316
stainless steel electrodes and IP 68 rated ~~transmitter~~ sensor. (1) 18" meter, (1) 20" meter
& (1) 24" meter req'd
5. An alternate meter vault construction using 60" ID precast reinforced concrete manhole sections may be used in place of the rectangular vaults. A drawing of the alternate meter vaults is included with this Addendum.

End of Addendum #1

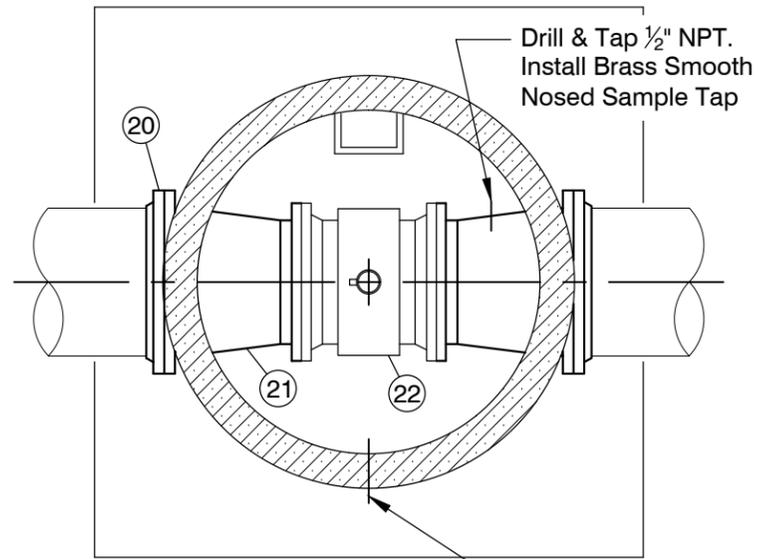
Attachments:

Plan Sheet – "Alternate Meter Vault Construction" (1 sheet)



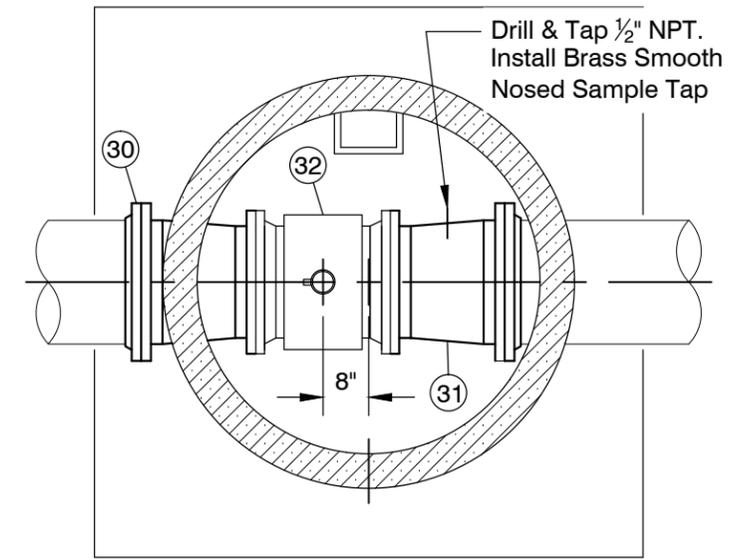
A Section
Scale: $\frac{3}{8}'' = 1'-0''$

8'x8' Cast-in-Place Concrete Base, 12" Thick, #4@12EW Reinf.

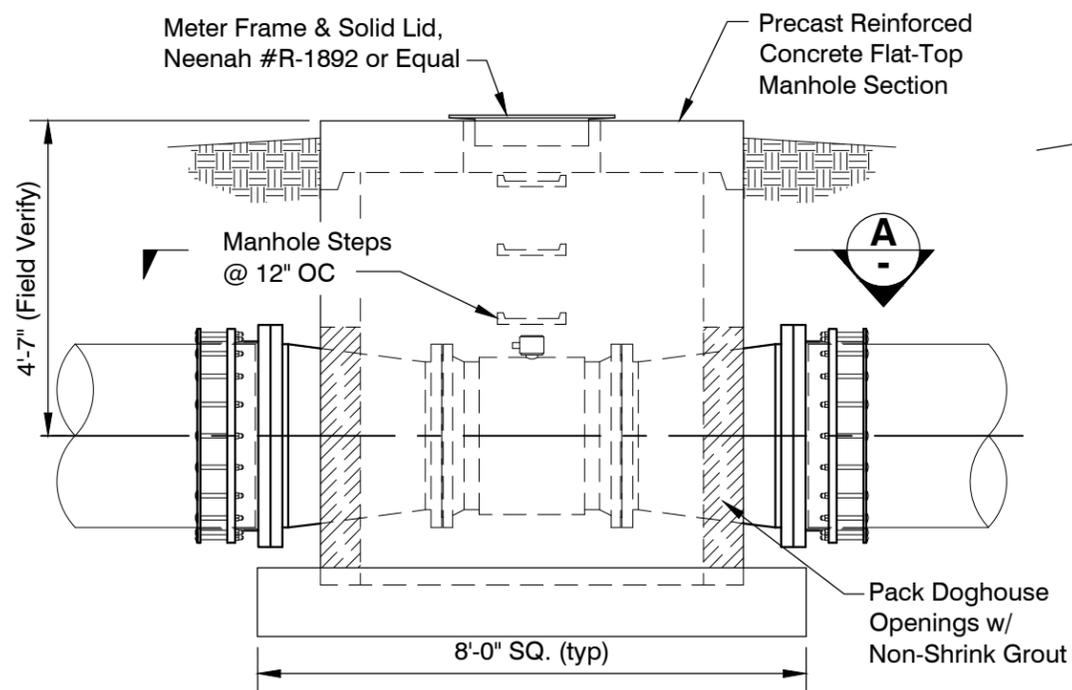


B Section
Scale: $\frac{3}{8}'' = 1'-0''$

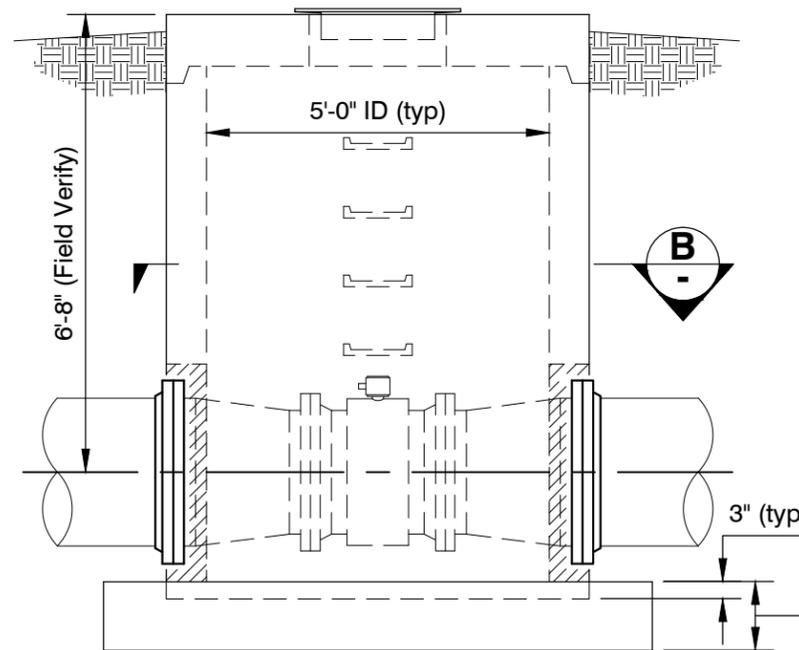
Signal Cable in 1" Sched. 80 PVC Conduit to Flow Converter



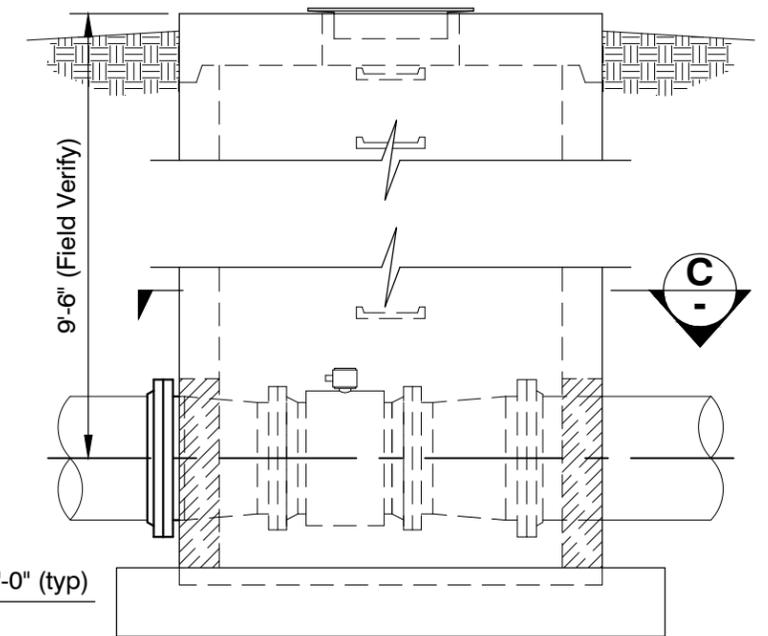
C Section
Scale: $\frac{3}{8}'' = 1'-0''$



24" Raw Water Meter
Scale: $\frac{3}{8}'' = 1'-0''$



20" High Service Meter
Scale: $\frac{3}{8}'' = 1'-0''$



18" High Service Meter
Scale: $\frac{3}{8}'' = 1'-0''$

Keyed Parts List

- ⑩ Flange coupling adapter, Romac "FC400" or equal, w/ fusion-bonded epoxy coating, 304 SS hardware
- ⑪ 30"x24" ductile iron flanged concentric reducer
- ⑫ 24" magnetic flow meter, Krohne "ENVIROMAG 2000" or ABB "WaterMaster" w/ ANSI B16.5 150-lb flanges, hard rubber liner, 316 SS electrodes & IP68 rated sensor
- ⑳ 24" Restrained flange adapter w/ fusion-bonded epoxy coating, 304 SS hardware
- ㉑ 24"x20" ductile iron flanged concentric reducer

- ㉒ 20" magnetic flow meter, Krohne "ENVIROMAG 2000" or ABB "WaterMaster" w/ ANSI B16.5 150-lb flanges, hard rubber liner, 316 SS electrodes & IP68 rated sensor
- ⑳ 20" Restrained flange adapter w/ fusion-bonded epoxy coating, 304 SS hardware
- ㉓ 20"x18" ductile iron flanged concentric reducer
- ㉔ 18" magnetic flow meter, Krohne "ENVIROMAG 2000" or ABB "WaterMaster" w/ ANSI B16.5 150-lb flanges, hard rubber liner, 316 SS electrodes & IP68 rated sensor

Alternate Meter Vault Construction

Pump Station Flow Meter Replacement
Water Treatment Plant
SDWIS IL0010650

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City of Quincy, Illinois

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Sheet 1 of 1