



CITY OF QUINCY

Department of Utilities & Engineering

Jeffrey Conte, P.E.
Director of Utilities & Engineering

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January 27, 2016

To: Prospective Bidders

Subject: Addendum No. 1 to the "Water Treatment Plant On-Line Sampling & Monitoring System" Project

This Addendum forms a part of the bidding contract documents and modifies the original bidding documents dated January 19, 2016. The bid opening date does not change.

BIDDING DOCUMENTS

1. Sheet 2 of 11 was inadvertently omitted from the original bidding documents. A copy of Sheet 2 of 11 is enclosed.
2. Sheet 7 of 11 has been revised. A copy of the revised Sheet 7 of 11 is enclosed.

CLARIFICATIONS

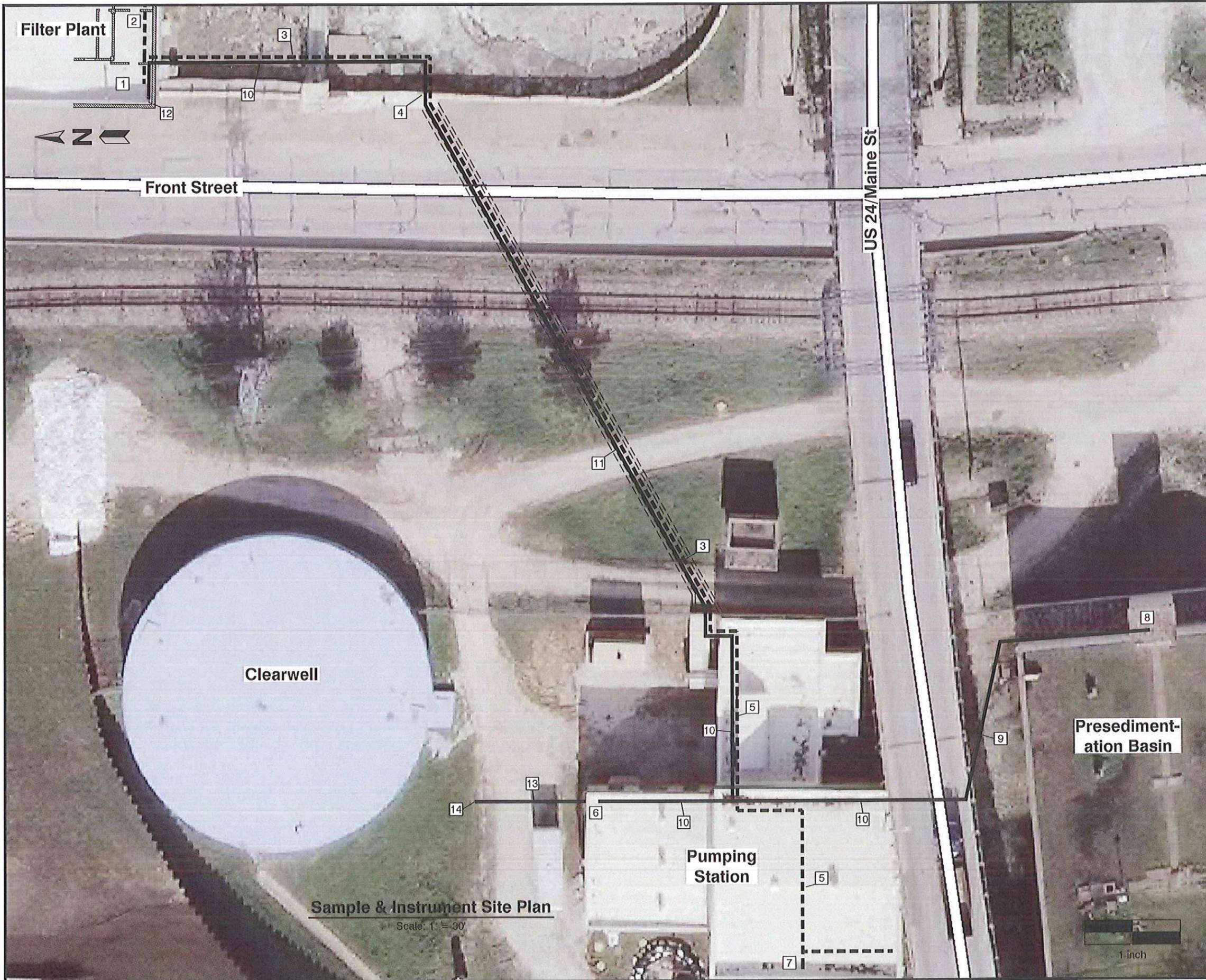
1. A 4" casing pipe for the three (3) 1" HDPE sample lines is not required in portions of the tunnel under Front Street where there is already continuous support for existing sample lines (the existing sample lines will be removed by others).
2. The depths of the 24" cast iron Clearwell Effluent pipe and the 30" cast iron raw water line are unknown. The evidence suggests that these pipes are 5 ft to 7 ft below existing grade where the taps are proposed.
3. The proposed Filter Effluent sample pump system will replace existing pumps. The new pumps shall be connected to the existing suction line and a new discharge line routed to the sample sink in the Chemistry Laboratory.
4. Demolition and installation of the sample sink in the Chemistry Laboratory will be performed by others, prior to the Work of this contract.

If you have any questions about this addendum, please contact me at 217-228-4527.

Sincerely,

A handwritten signature in blue ink, appearing to read "Jeffrey Conte".

Jeffrey Conte, P.E.



Keyed Notes:

- 1 Mount online analyzer racks in Chemistry Lab. Refer to Sheets 3, 5 & 6.
- 2 Install data management software on City provided PC in Operators' Office.
- 3 Ethernet communications cable in sched 80 PVC conduit through tunnel and abandoned basin.
- 4 Core drill through abandoned basin concrete wall at east end of tunnel.
- 5 Ethernet communications cable in rigid metal conduit through Pump Station Building
- 6 Install Clearwell Effluent sample pumps in Low Service Pump room. Refer to Sheet 8.
- 7 Wall mount Raw Water turbidity monitor on Pumping Station main floor. Refer to Sheet 10.
- 8 Install sample pumps in basement adjacent to 36" Presedimentation Basin effluent pipe. Refer to Sheet 8.
- 9 Buried SCC inlet sample line, 1" IPS DR 11 HDPE tubing, 48" min. cover.
- 10 Sample lines (1" IPS DR 11 HDPE tubing) in sched 40 PVC casing pipe.
- 11 Sample lines (1" IPS DR 11 HDPE tubing) through tunnel. Route along existing platform support.
- 12 Terminate sample lines at stainless steel sample sink. See Sheet 7.
- 13 Buried Clearwell Effluent sample pump suction line, 1" IPS DR 11 HDPE tubing, 48" min. cover.
- 14 1" brass tapping saddle & corporation stop in existing 24" CI Clearwell Effluent pipe.

Sample & Instrument Site Plan
Scale: 1" = 30'

Instrument & Sample Site Plan

On-Line Sampling & Monitoring System
Quincy Water Treatment Plant
SDWIS #IL0010650

Department of Utilities & Engineering
City of Quincy, Illinois

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Presedimentation Basin

Clearwell

Pumping Station

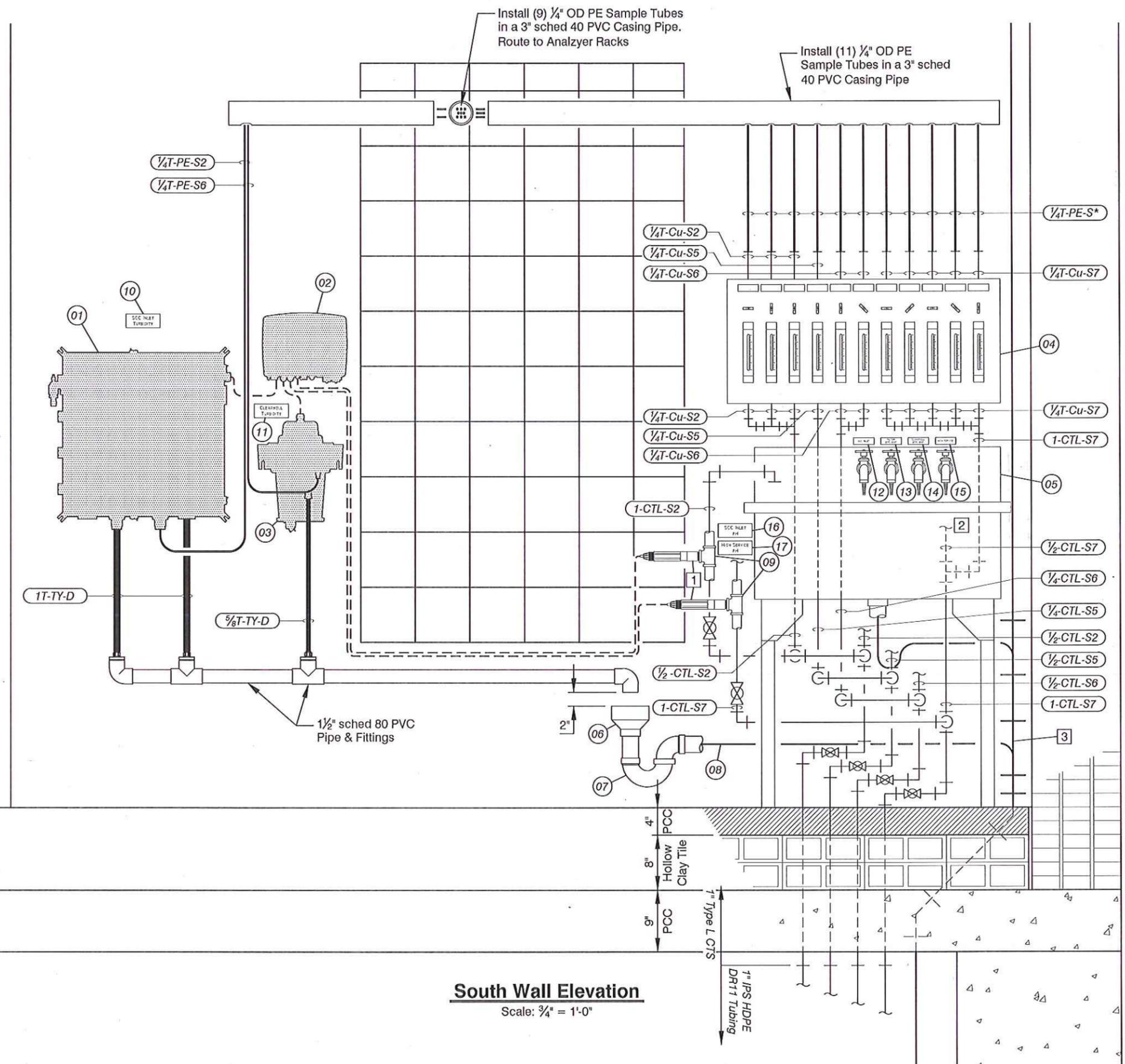
Filter Plant

Front Street

US 24/Maine St



1 inch



South Wall Elevation
Scale: 3/4" = 1'-0"

Keyed Notes:

- 1 Install pH probes in vertical pipe using Hach Universal Union Mounting Tee.
- 2 Extend 1/2" CTS Type L sample line to existing faucets (typ of 4).
- 3 Cut in 3" sched 40 PVC DWV wye into existing drain for 2" instrument drain.

ID	Description
01	Turbidity analyzer, Hach ss7
02	Turbidity analyzer, Hach 1720E
03	SCADA probe module, #2, Hach sc1000, (6) digital inputs, with display module
04	Sample flow control panel, see Sheet 9
05	Stainless steel sample sink (by others)
06	4x2" sched 40 PVC reducing coupling
07	2" sched 40 PVC P-trap
08	2" sched 40 PVC DWV piping, sloped to drain
09	1 1/2" CPVC tee w/ mounting union (furnished by Hach)
10	Engraved phenolic nameplate, 2x6", white text on black background, "SCC Inlet Turbidity"
11	Engraved phenolic nameplate, 2x6", white text on black background, "Clearwell Turbidity"
12	Engraved phenolic nameplate, 1x3", white text on black background, "SCC Inlet"
13	Engraved phenolic nameplate, 1x3", white text on black background, "Filter Effluent"
14	Engraved phenolic nameplate, 1x3", white text on black background, "Clearwell Effluent"
15	Engraved phenolic nameplate, 1x3", white text on black background, "High Service"
16	Engraved phenolic nameplate, 2x6", white text on black background, "SCC Inlet pH"
17	Engraved phenolic nameplate, 2x6", white text on black background, "High Service pH"

Sample Piping & Flow Metering

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 Quincy Water Treatment Plant
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