Approved water quality sampling station (WQSS)
(See note 3 for orientation)

Valve box and cover (CIV) assembly
See drawing P-805

4'-0" x 2'-0" x 4" concrete pad

1" or smaller meter service (existing)
Metter box, center over CIV of meter/spacer

1" or ¾" angle ball meter valve
(male x male swivel) with lock

1" or ¾" brass nipple
1" or ¾" brass tee
1" or ¾" close nipple
1" or ¾" MIPT x copper compression coupling
1" or ¾" MIPT x copper compression coupling
1" or ¾" soft K type copper tubing (existing)

¾" MIPT x copper compression coupling
¾" MIPT x copper compression coupling

¾" soft K type domestic copper tubing
¾" soft K type domestic copper tubing

½" brass street elbow
½" MIPT x copper compression coupling

Firm undisturbed soil

8" PVC pipe
Straight curb stop
MIPT x FIPT
¾" soft K type domestic copper tubing

Notes:
1. Install concrete pad at all locations. Comply with all ADA requirements if installed in a sidewalk.
2. All fill material shall be compacted and tested according to the City of Portland Standard Construction Specifications.
3. For user safety sampling station door to face 90° from street such that person collecting a sample is facing nearest oncoming traffic when opening door.
4. Paint aluminum base contact surface with tar mastic prior to installing concrete.
5. Connect to existing 1" or ½" service with tee before downstream meter valve. Install new compression coupling close nipple and tubing to matching size as needed on service.
6. WQSS shall be Kupferle Eclipse 86 or approved equal.

Elevation View

Side View

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user.

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Baseline Report Date: Mar 17 2015

PORTLAND WATER BUREAU
CITY OF PORTLAND, OREGON

Chief Engineer

PORTLAND WATER BUREAU
CITY OF PORTLAND, OREGON

Standard Drawing Title
SAMPLING STATION TAPPED OFF SERVICE

Note: All material and workmanship shall be in accordance with City of Portland Standard Construction Specifications.