

METROPOLITAN UTILITIES DISTRICT Prepared by: Bill Travnicsek Approved by: Jeff Loll	Construction Standard	No: 1.6.2
	Sample Taps on Ductile Iron, Cast Iron and PVC Water Mains 16" and Smaller	Page: 1 of 1
		Supersedes: 1-14-09
		Effective: 10-30-09

GENERAL

This standard covers the procedure for installing sample taps on water mains through 16" in size.

EXCAVATION

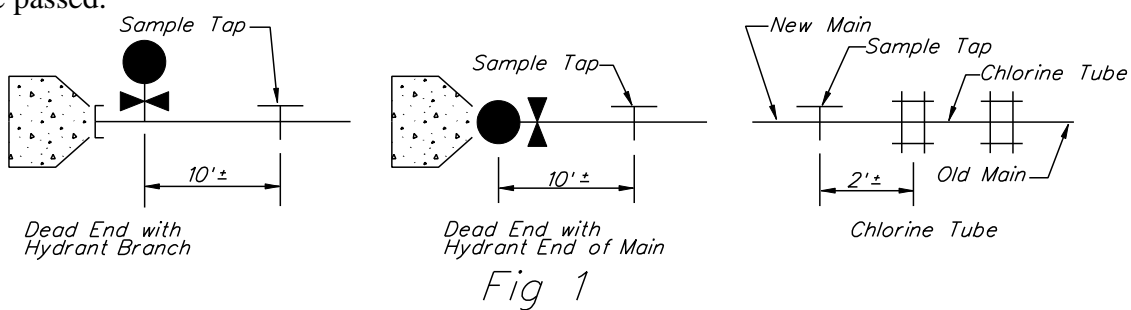
The excavation used for sample taps shall be no smaller than 3'-6" x 4'-6". The excavation shall extend under and entirely around the main so as to leave a clearance of at least 6". The excavation shall be shored or sloped per OSHA requirements.

SAMPLE TAP SIZE

All Sample Taps shall be 3/4" in size.

LOCATION

* Sample taps shall be installed on all dead-end sections of main, at chlorine tubes, approximately every 1200' and at locations indicated on the drawing. Sample taps shall remain exposed until bacteriological tests have passed.

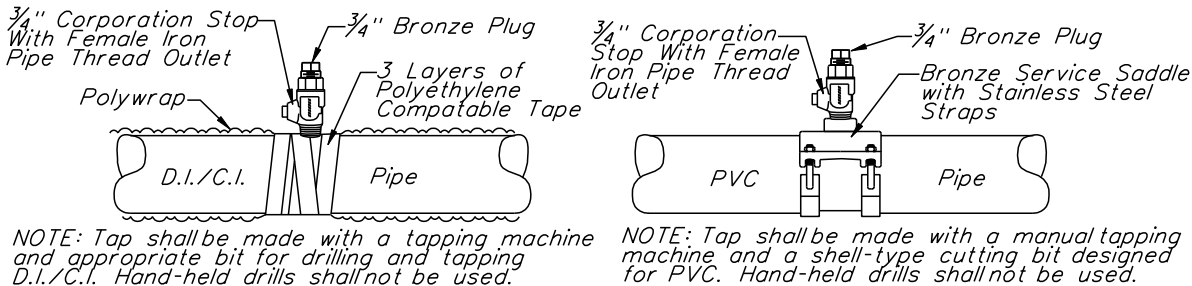


TAP PROCEDURE

Pipe with polywrap shall be wrapped with 3 complete layers of polyethylene compatible adhesive tape at the tap location. Width of area wrapped with tape shall be wide enough to protect polywrap from damage caused by tapping machine (6" minimum). Tap shall be made through tape, polywrap, and pipe. After tapping, repair any damage to tape and/or polywrap.

Note: Thread sealant shall be NSF 61 approved Teflon tape or pipe dope (Rectorseal #5). The NSF 61 designation (not just NSF) shall be shown on the container to be approved.

Taps on PVC mains shall utilize a tapping saddle per MUD 119.



NOTE: Tap shall be made with a tapping machine and appropriate bit for drilling and tapping D.I./C.I. Hand-held drills shall not be used.

NOTE: Tap shall be made with a manual tapping machine and a shell-type cutting bit designed for PVC. Hand-held drills shall not be used.

Fig 2

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