



NOTES

1. BLOW-OFF ASSEMBLY SHALL BE LOCATED AT ALL WATER MAIN DEAD ENDS.



Drawn By: DUC L. / MITCHELL S.

Checked By: AHMED A. / JAMES M.

Approved By: SHILPA M.

Revised Date: 5/2/2023

Signature:

Director of
Water and Sewer Utilities

CITY OF SANTA CLARA
WATER AND SEWER UTILITIES - STANDARD NO. 25

BLOW-OFF ASSEMBLY

City of Santa Clara – Water and Sewer Utilities
Standard No. 25 – Blow Off Assembly – Material List

Updated Date: 2/1/2023

Domestic Products Only.

Use no lead products for domestic water services.

For potable water, coat above ground water service with Dunn Edwards Paint #0011-0124-06181, Santa Clara Mission Sand, AristoShield High Gloss

For recycled water, paint items 6 - 9, purple (Pantone 512)

Material	Description	Manufacturer	Model
1. Traffic Valve Box & Extension	Traffic valve box with lid. For potable water, lid shall be marked "WATER". For recycled water, provide purple lid marked "CSC-RW".	Tyler Union	G5
	Extension - 8" PVC SDR 35, single piece cut to proper length.		
2. Copper Tubing	2" ASTM B88, type K. Straight lengths. No rolled copper.		
3. Thrust Block	See City Standard No. 21		
4. 2" 90 Degree Elbow	Copper sweat joint or	Mueller	H15526N
	Compression coupling	Ford	L-44-77
5. Polywrap	For potable water, use blue. For recycled water, use purple. 8 mil low density or 4 mil high density polyethylene film installed per AWWA C105. Tape the ends to pipe with 10 mil tape.		
6. Adapter	2" copper adapter, SJ x MIP		
7. Pipe	Size and type as specified. -Ductile iron, cement lined and zinc coated, Class PC350 or greater. Protect with polywrap for underground pipe.	US Pipe McWane Ductile	
	-PVC. C900. DR-14.	Vinyltech Diamond Plastics	
8. Cap & Plug	Push on or mechanical joint with 2" IPS Tap	Star Tyler Union	
9. Pipe Marking Tape	For potable water, use blue. For recycled water, use purple. 3" wide, 4 mil, non-detectable.		
10. Tracer Wire	RHW #12 AWG solid with 12" minimum slack inside all valve boxes.		
11. Blow Off Valve	2" Ball Valve	Kupferles	TF550
12. Gate Valve	MJ x MJ. AWWA C-515 resilient seat, epoxy coat inside and out to meet AWWA C-550. Open left with 2" square operating nut. All rubber components shall be EPDM.	Mueller	A-2361
		M&H	Style 7000