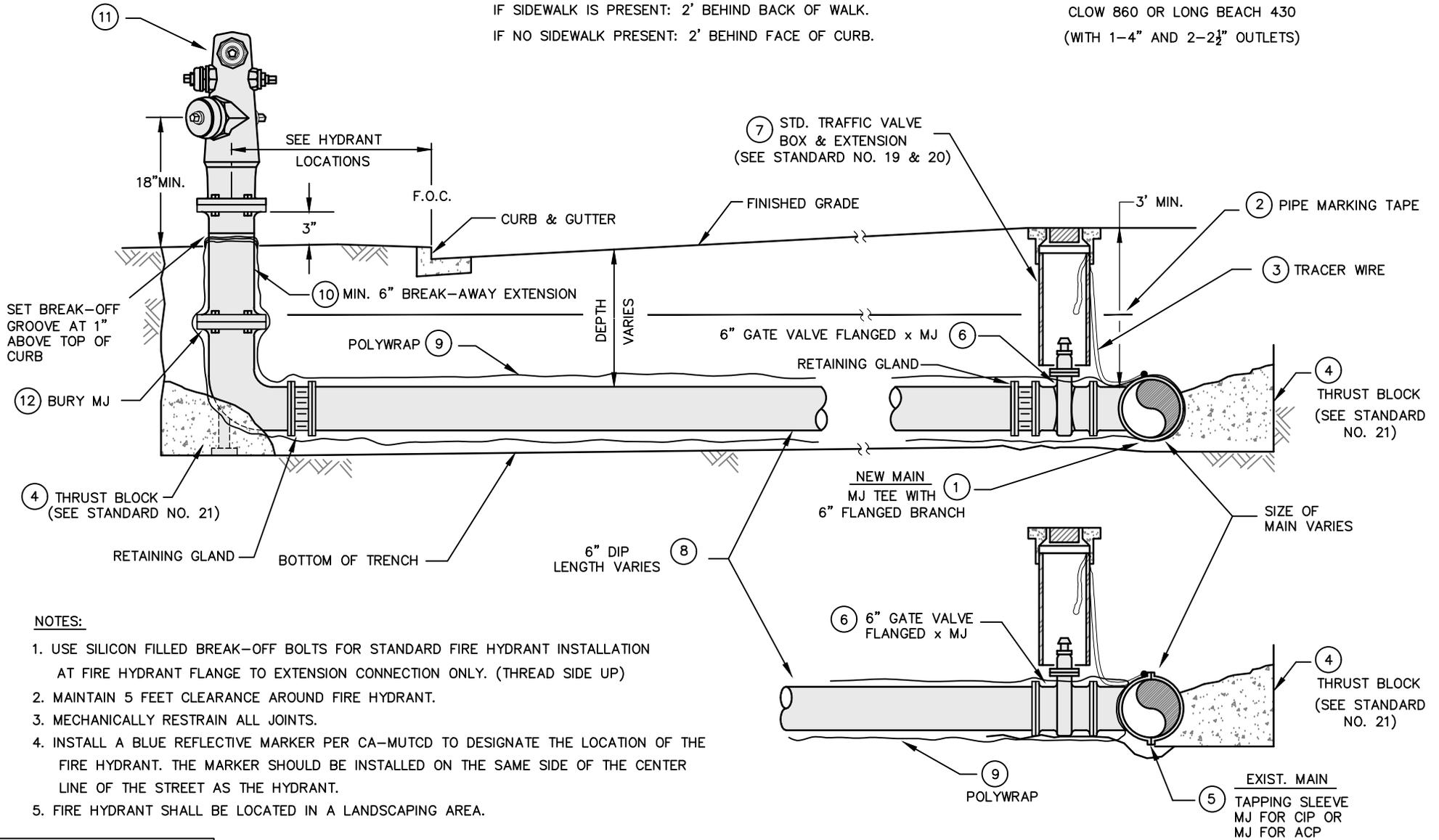


HYDRANT LOCATIONS

IF SIDEWALK IS PRESENT: 2' BEHIND BACK OF WALK.
IF NO SIDEWALK PRESENT: 2' BEHIND FACE OF CURB.

HYDRANT REQUIREMENTS

CLOW 860 OR LONG BEACH 430
(WITH 1-4" AND 2-2½" OUTLETS)



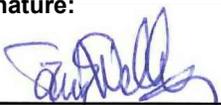
NOTES:

1. USE SILICON FILLED BREAK-OFF BOLTS FOR STANDARD FIRE HYDRANT INSTALLATION AT FIRE HYDRANT FLANGE TO EXTENSION CONNECTION ONLY. (THREAD SIDE UP)
2. MAINTAIN 5 FEET CLEARANCE AROUND FIRE HYDRANT.
3. MECHANICALLY RESTRAIN ALL JOINTS.
4. INSTALL A BLUE REFLECTIVE MARKER PER CA-MUTCD TO DESIGNATE THE LOCATION OF THE FIRE HYDRANT. THE MARKER SHOULD BE INSTALLED ON THE SAME SIDE OF THE CENTER LINE OF THE STREET AS THE HYDRANT.
5. FIRE HYDRANT SHALL BE LOCATED IN A LANDSCAPING AREA.

Updated Date: 05/17/2018



Drawn By: DUC L.
Checked By: TANISHA W. / JOHN S.
Approved By: SHILPA M. / TERRY W.
Revised Date: NOVEMBER 2017

Signature: 
Director of
Water and Sewer Utilities

CITY OF SANTA CLARA
WATER AND SEWER UTILITIES - STANDARD NO. 18

FIRE HYDRANT ASSEMBLY

City of Santa Clara – Water and Sewer Utilities
Standard No. 18 – Fire Hydrant Assembly – Material List

05/17/18 Updated Date

Domestic Products Only.

Use 316 stainless steel bolts, flange gasket with EPDM rubber, nuts, and washers for all bolted connection, except for break-away bolts.

Material	Description	Manufacturer	Model
1. Tee	Mechanical joint with flanged branch. AWWA C-153 compact ductile iron with mechanical joint, cement lined with stainless steel bolts and gaskets	US Pipe Tyler Union	
2. Pipe Marking Tape	Blue. 3" wide, 4 mil, non-detectable.		
3. Tracer Wire	RHW#12 AWG Solid. Taped to the top of the water main with 12" minimum slack inside all valve boxes		
4. Thrust Block	See City Standard No. 21		
5. Tapping Sleeve	Mechanical joint with all accessories. -Ductile iron, cast iron, or PVC	Mueller H-615 Clow F-5205	
	-AC pipe	Mueller H-619 Clow F-5207	
6. Gate Valve	MJ x Flanged. AWWA C-509 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.	M&H	Style 4067
		Mueller	A-2361
		Clow	F-6106
7. Traffic Valve Box & Extension (see Standard Detail Nos. 19 & 20)	Valve Box Lid marked "Water"	Tyler Union	G5 with lid marked "Water"
	Extension - 8" PVC SDR 35, single piece cut to proper length.		
8. Pipe mechanically restrain all joints	Size and type as specified.	US Pipe Pacific States	
	-Ductile iron, cement lined Class 50. Protect with polywrap for underground pipe.		
9. Polywrap	To be used for DIP. Blue. 8 mil low density or 4 mil high density polyethylene film installed per AWWA C105. Tape ends to pipe with 10 mil tape.		
10. Break-Away Extension	Minimum 6" with breakaway groove. Imports are acceptable.		
11. Fire Hydrant	With 1-4" and 2-2-1/2" outlets. All with cast iron caps (City No. 76) Coat hydrant with Dunn-Edwards paint #10-L-1, Gloss White Enamel, Syn-Lustro GL L Base	Clow	860
		Long Beach	430
12. Bury MJ	Mechanical joint inlet x hydrant flange outlet. 6" x appropriate height. Imports are acceptable.	Clow Rich	