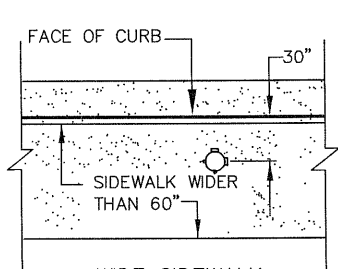


FIRE HOSE OUTLET ORIENTATION

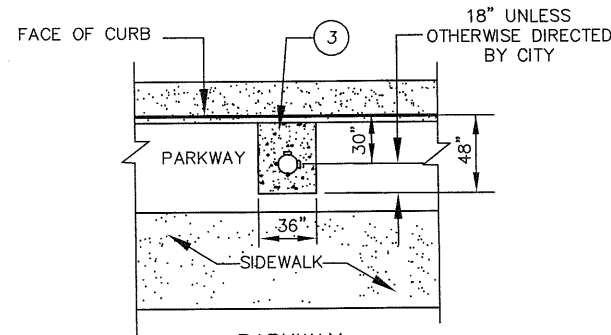
ITEM MATERIALS

- 1 RESIDENTIAL HYDRANT, 8-HOLE PATTERN, WITH (1) 4-INCH AND (1) 2-1/2-INCH FIRE HOSE OUTLETS, CLOW 850 OR 2050, OR JAMES JONES 3710 OR 4040B.
- 2 6" DIA. FLG DI SPOOL, IF REQUIRED.
- 3 REPLACE SIDEWALK PER CITY STD. 103-00 OR CONSTRUCT 48-INCHx36-INCHx6-INCH THICK 560-C-3250 CONCRETE PAD WITHIN PARKWAY. SEE HYDRANT LOCATION PLANS BELOW FOR APPLICABLE CONDITION.
- 4 6-INCH DIA. FLG X PE DI SPOOL, CLASS 350.
- 5 6-INCH DIA. MJ DI 90-DEGREE BEND, RESTRAINED.
- 6 6-INCH DIA. DI PIPE, CLASS 350, RESTRAINED JOINT.
- 7 6-INCH RESILIENT WEDGE GATE VALVE FLG X MJ RESTRAINED PER CITY STD. DWG. 420.
- 8 6-INCH DIA. FLANGE DI 90-DEGREE BEND.
- 9 CONCRETE THRUST BLOCK PER CITY STD. DWG. 401 UPON DWP GENERAL MANAGER OR DESIGNEE APPROVAL.
- 10 VALVE BOX PER CITY STD. DWG. 422.
- 11 FIRE HYDRANT CAPS, PLASTIC W/O CHAINS.
- 12 BREAK-OFF BOLTS. 5/8-INCH X 3-INCH W/ BOLTS UP (8-HOLE PATTERN). (PRE-FILLED BOLTS WITH SILICONE INSTALLED UP).
- 13 MJ PIPE RESTRAINT, EBBA IRON MEGALUG SERIES 1100.
- 14 MAINLINE SIZE X 6-INCH MJ X MJ X FLG TEE WITH RESTRAINED JOINTS AND CONCRETE THRUST BLOCK PER CITY STD. DWG. 401 UPON DWP GENERAL MANAGER OR DESIGNEE APPROVAL.

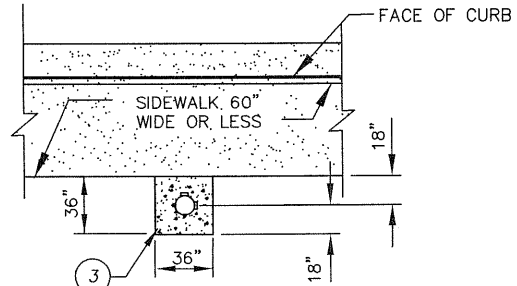


WIDE SIDEWALK CONDITION 1

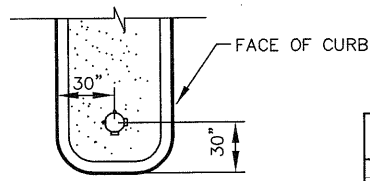
(ONLY BY APPROVAL OF DWP GENERAL MANAGER OR DESIGNEE)



PARKWAY CONDITION 3



NARROW SIDEWALK CONDITION 2




MEDIAN CONDITION 4

HYDRANT LOCATION PLANS

NOTES:

- 1. DO NOT CONSTRUCT FIRE HYDRANT CLOSER THAN 10- FEET TO DRIVEWAY RETURN WITHOUT PRIOR APPROVAL BY DWP GENERAL MANAGER OR DESIGNEE.


6" FIRE HYDRANT BLOW-OFF ASSEMBLY

REVISION			APPROVED		CITY OF CORONA
NO.	APPROVED	DATE	DATE	DATE	
			<i>Nelson D. Nelson</i>	11-27-10	 STD 416 SHEET 1 OF 2
			<i>Tom Koper</i>	11-20-10	
			NELSON D. NELSON, PE. CITY ENGINEER TOM KOPER, PE. DISTRICT ENGINEER, DEPARTMENT OF WATER AND POWER		

NOTES:

1. FLANGE NUTS, BOLTS, AND WASHERS SHALL BE TYPE 316SS. LUBRICATE BOLTS WITH ANTI-SEIZE LUBRICANT.
2. CONSTRUCT CONCRETE THRUST BLOCK ON MAINLINE TEE PER CITY STD. DWG. 401 WHERE WATER MAIN IS NOT OTHERWISE FULLY RESTRAINED.
3. DIMENSIONS MAY VARY FOR SPECIAL CIRCUMSTANCES; CUL-DE-SACS, PRIVATE STREETS, SIDEWALKS ADJACENT TO CURBS, ETC. WHERE SPECIFICALLY REQUIRED ON THE APPROVED PLANS.
4. CHISEL A 1-1/2-INCH TALL "V" IN THE CURB FACE TO INDICATE LOCATION OF VALVE.
5. CHISEL (2) "X"'S AND THEIR RESPECTIVE DISTANCES IN THE CURB TO BE USED AS "TIE" LOCATIONS FOR VALVE CAN.
6. 6-INCH LATERAL PIPELINE (FULLY RESTRAINED) SHALL MATCH THE CLASS OF THE ADJACENT MAIN LINE PIPE.
7. PRIOR TO FINAL WALK/ACCEPTANCE PAINT FIRE HYDRANT AND CAPS RUST-O-LEUM OLD CAT YELLOW - 76486.
8. VALVE SHALL BE ACCESSIBLE AT ALL TIMES.
9. DEVELOPER/INSTALLER SHALL SUPPLY AND PLACE BLUE-DOT REFLECTING RAISED ROADWAY MARKERS PER CITY STD. DWG. 531.
10. BORE UNDER CURB & GUTTER FOR CONSTRUCTION OF HYDRANT LATERAL.
11. PROVIDE 3-FOOT MINIMUM HORIZONTAL CLEARANCE BETWEEN FIRE HYDRANT AND ALL OTHER ADJACENT ABOVE GROUND IMPROVEMENTS.
12. PROVIDE 1-1/2-INCH OPERATING NUTS ON ALL FIRE HYDRANT OPERATORS.
13. WRAP PIPE AND VALVE WITH A DOUBLE LAYER OF 8-MIL BLUE POLYETHYLENE.

6" FIRE HYDRANT BLOW-OFF ASSEMBLY

REVISION			APPROVED:		CITY OF CORONA
NO.	APPROVED	DATE		DATE	
			<i>Nelson D. Nelson</i>	11-26-12	 CITY OF CORONA STD 416 SHEET 2 OF 2
			<i>Tom Koper</i>	11-20-12	
			<small>NELSON D. NELSON, PE CITY ENGINEER</small>		
			<small>TOM KOPER, PE, DISTRICT ENGINEER, DEPARTMENT OF WATER AND POWER</small>		