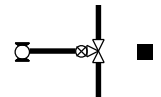


FIRE HYDRANT INSTALLATION


ITEM NO.	DESCRIPTION	ITEM NO.	DESCRIPTION
①	6" WET BARREL FIRE HYDRANT	⑥	6" LONG RADIUS DI BASE ELBOW (F, PO / MJ)
②	.75" X 3.5" MIN HEX HEAD BREAKAWAY (SHEAR) BOLTS AND NUTS (ASTM A307) SHALL BE 3/4" NC THREAD. HEX HEAD ON TOP OF FLANGES (ALL)	⑦	CONCRETE THRUST BLOCK PER SDW-151.
③	6" CAST IRON BREAKAWAY SPOOL WITH 0.25"-V (SINGLE OR DOUBLE) BREAK OFF GROOVE	⑧	COLD JOINT STRIP
④	4' X 4' X 4" THICK CONCRETE PAD WITH 6" X 12" DEEP THICKENED EDGE AROUND PERIMETER OF CONCRETE PAD	⑨	PIPE - 6" C-900 PVC
⑤	6" CAST IRON EXTENSION NON-GROOVED SPOOL - AS REQUIRED (F, F)	⑩	GATE WELL WITH CAP PER SDW-153.
		⑪	6" GATE VALVE (F/ MJ, F)
		⑫	TEE - SIZE X 6" (MJ, MJ, F)
		⑬	(1) - 2 1/2" PORT
		⑭	(1) - 4" PORT (RESIDENTIAL AREAS) OR (2) - 4" PORTS (COMMERCIAL AREAS)

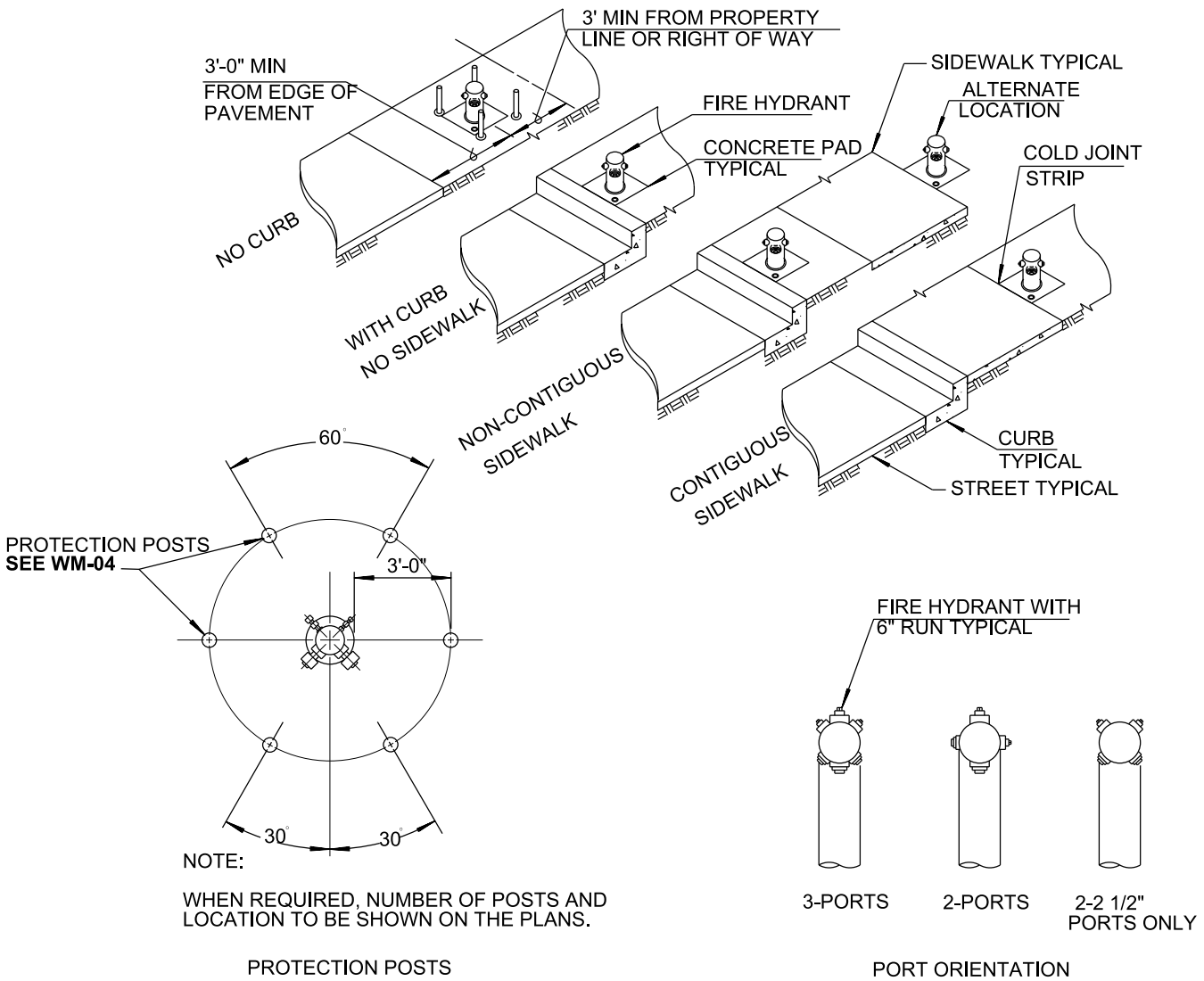
NOTES:

1. NUMBER OF OUTLETS SHALL BE AS SHOWN ON THE PLANS.
2. CONNECT TO BASE OF THE HYDRANT WITH SHEAR BOLTS INSTALLED WITH HEX HEAD ON TOP OF THE FLANGE. (3/16" DIAMETER HOLE 2" DEEP IN BOLTS, GALVANIZED AFTER BORING).
3. INSTALL PORTS AS FOLLOWING: IN RESIDENTIAL AREAS - ONE 2 1/2" AND ONE 4" PORTS
IN COMMERCIAL AREAS - ONE 2 1/2" AND TWO 4" PORTS

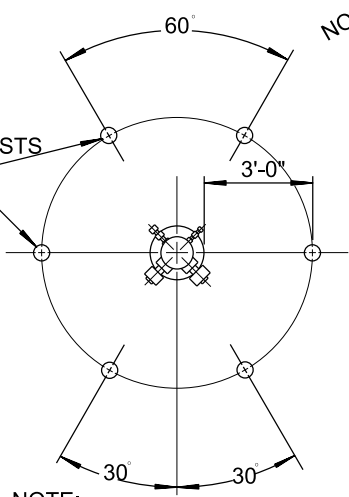


LEGEND ON PLANS

REVISION	BY	APPROVED	DATE	CITY OF SAN DIEGO – STANDARD DRAWING	RECOMMENDED BY THE CITY OF SAN DIEGO STANDARDS COMMITTEE
ORIGINAL	KA	J. NAGELVOORT	01/12		
UPDATED	KA	J. NAGELVOORT	08/13		
UPDATED	HM	J. NAGELVOORT	02/16		
REDRAFTED	CD	J. NAGELVOORT	09/18		
UPDATED	TP	J. NAGELVOORT	10/19	FIRE HYDRANT INSTALLATION	 10/10/19 COORDINATOR R.C.E. 56523 DATE
					DRAWING NUMBER SDW-104

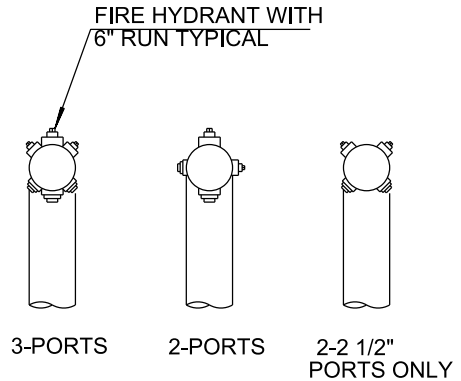


PROTECTION POSTS
SEE WM-04



NOTE:
WHEN REQUIRED, NUMBER OF POSTS AND LOCATION TO BE SHOWN ON THE PLANS.

PROTECTION POSTS



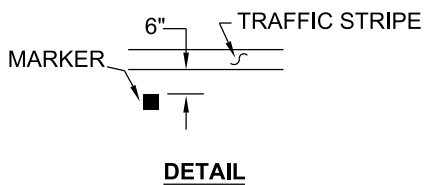
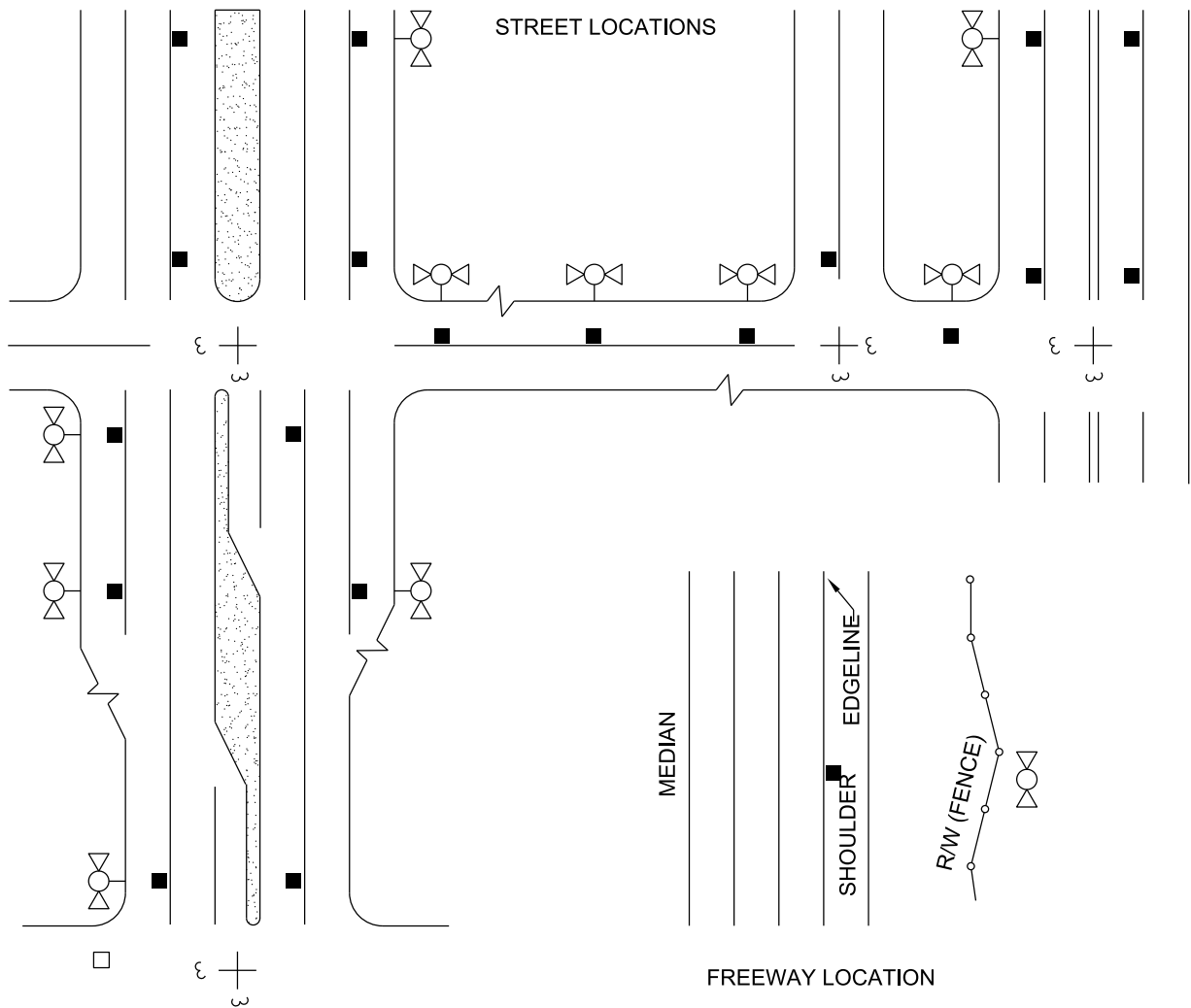
PORT ORIENTATION

FIRE HYDRANT LOCATIONS AND PORT ORIENTATION

NOTES:

- 1) LOCATE FIRE HYDRANT AS SHOWN ABOVE OR AS DIRECTED BY THE ENGINEER.
- 2) FIRE HYDRANTS SHALL BE INSTALLED WITH THE LARGEST PORT PERPENDICULAR TO THE STREET. SEE NOTE 3 ON SHEET 1 FOR PORT SIZES AND NUMBERS.
- 3) IF THE CONCRETE SLAB IS TO BE INSTALLED ADJACENT TO A CONCRETE CURB OR SIDEWALK, A COLD JOINT STRIP SHALL BE INSTALLED.
- 4) CONCRETE APRON SHALL BE REQUIRED WHERE THE FIRE HYDRANT IS INSTALLED IN AN UNPAVED LOCATION. THE APRON SHALL BE 4" THICK 520-C-2500 CONCRETE.
- 5) WHEN DISTANCE FROM THE FIRE HYDRANT TO THE TOP OR TOE OF THE SLOPE OR WALLS IS LESS THAN 2', SPECIAL HYDRANT INSTALLATION DETAIL SHALL BE SHOWN ON THE PLANS.
- 6) THE DISTANCE FROM THE FACE OF THE CURB TO THE CENTERLINE OF THE FIRE HYDRANT SHALL BE 2 1/2' MINIMUM.

REVISION	BY	APPROVED	DATE	CITY OF SAN DIEGO – STANDARD DRAWING FIRE HYDRANT INSTALLATION	RECOMMENDED BY THE CITY OF SAN DIEGO STANDARDS COMMITTEE <i>CA Junga</i> 10/10/19 COORDINATOR R.C.E. 56523 DATE
ORIGINAL	KA	J. NAGELVOORT	01/12		
UPDATED	KA	J. NAGELVOORT	08/13		
UPDATED	HM	J. NAGELVOORT	02/16		
REDRAFTED	CD	J. NAGELVOORT	09/18		
UPDATED	TP	J. NAGELVOORT	10/19		
				DRAWING NUMBER	SDW-104



FIRE HYDRANT MARKERS

NOTES

1. FIRE DEPARTMENT WILL PROVIDE LOCATION(S) FOR ALL MARKERS IN PLANNED RESIDENTIAL DEVELOPMENTS, COMMERCIAL LOTS AND OTHER AREAS OUTSIDE OF PUBLIC RIGHT OF WAY.
2. MARKERS SHALL BE INSTALLED AT THE NEW AND RELOCATED HYDRANTS AND WITHIN ALL RESURFACING PROJECTS.
3. FOR STREETS WITHOUT LANE LINES OR STREETS WITH RAISED PAVEMENT MARKERS AND NO PAINTED LANE LINES, INSTALL MARKERS 6" FROM CENTERLINE OR EXISTING MARKERS.

REVISION	BY	APPROVED	DATE	CITY OF SAN DIEGO - STANDARD DRAWING	RECOMMENDED BY THE CITY OF SAN DIEGO STANDARDS COMMITTEE
ORIGINAL	KA	J. NAGELVOORT	01/12	FIRE HYDRANT INSTALLATION	10/10/19 <small>COORDINATOR R.C.E. 56523 DATE</small>
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