



CITY STANDARD			
	2 RAIL	3 RAIL	4 RAIL
A	6.0"	6.0"	6.0"
B	12.0"	10.5"	6.0"
C	11.0"	16.5"	14.5"
D	15.5"	16.0"	11.5"
E	36.0"	60.0"	60.0"
F	96.0"	96.0"	96.0"
G	72.0"	84.0"	84.0"

MATERIAL PROPERTIES

	ASTM NUMBER	TYPICAL VALUES
DENSITY (LBS / CU.IN.).....	D792.....	0.023-0.028
COMPRESSION (PSI @ 0.4).....	D695.....	3000-3100
TENSILE (PSI).....	D638.....	2100-2600
FLEXURAL STRENGTH (PSI).....	D790.....	4000-5000
TANGENT MODULES.....		216,000-222,000
COEF THERMAL EXPANSION (IN / IN / DEG F).....	D696.....	0.00007
VICAT SOFTENING POINT (F).....	CHEVRON CHEMICAL.....	150-160 (F)
BRITTLNESS POINT (F).....	CHEVRON CHEMICAL.....	(-100)-(-104)(F)

NOTES:

1. THE CITY STANDARD TRAIL FENCE SHALL BE A TWO (2) RAIL FENCE. A THREE (3) RAIL OR FOUR (4) RAIL FENCE REQUIRES PRIOR APPROVAL FROM THE CITY ENGINEER. FENCE TO BE WHITE.
2. 16-FOOT RAILS ARE TO BE STAGGERED AND THREADED THROUGH POSTS.
3. ALL FENCE POSTS TO BE SET IN 12" DIAMETER BY 24" DEEP HOLE FILLED WITH CONCRETE ON TOP OF A 4 INCH LAYER OF GRAVEL.
4. AFTER GATE HARDWARE IS INSTALLED, THE ENTIRE GATE POST (S) SHALL BE FILLED WITH CONCRETE AND ALLOWED TO DRY FOR THREE DAYS BEFORE HANGING GATES.
5. THE RAILS MUST REMAIN LEVEL FROM POST TO POST WHEN USING PRE-NOTCHED POSTS.
6. UNLESS APPROVED BY CITY ENGINEER, ONLY TWO-RAIL FENCING SHALL BE INSTALLED ALONG PUBLIC RIGHT-OF-WAY.
7. POSTS SHALL BE 6" x 6" HALLOW.
8. RAILS CAN BE EITHER 1" x 6", 2" x 6", OR 2" x 4".
9. INSTALLATION SHALL BEGIN BY LAYING OUT ALL FENCE CORNERS, GATES AND END POST BY DRIVING STAKES AT EACH POINT THEN LOCATING POST LAYOUT AND DRIVING STAKES. CONTRACTOR SHALL OBTAIN APPROVAL OF STAKES LAYOUT FROM CITY INSPECTOR PRIOR TO INSTALLING ANY POSTS.
10. FENCE MANUFACTURER: CALISTOGO RANCH FENCE (HDPE) WITH INNOVATIVE EQUINE SYSTEMS (1-800-888-9921); OR APPROVED EQUAL.

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Juan Raya 05/18/16
DATE

JUAN RAYA, P.E.
CITY ENGINEER
RCE 68510

REV.	DRAWN BY:	APP'D:	DATE:



**SPLIT-RAIL
PVC FENCE**

STANDARD PLAN No.: **523**

MAY 2016