

# CHAIN LINK FENCING DETAILS

TOP RAIL 1 5/8" OD GALV  
STL PIPE SECURED TO CORNER &  
GATE POSTS W/ GALV FITTINGS

CHAIN LINK WEAVE FENCE FABRIC,  
2" MESH STEEL WIRE  
9 GA, GALV, TWISTED BARBED  
FINISH TOP AND BOTTOM

HORIZONTAL BRACES 1 5/8" OD  
7 GA GALV STL PIPE SPACED MIDWAY  
BETWEEN TOP RAIL AND GROUND,  
& EXTENDED TO FIRST LINE POST

3/8" 7 GA GALV. STL. TRUSS ROD

BOTTOM STIFFENER 7 GA  
GALV WIRE, FULL LENGTH  
OF FENCE, EXCEPT AT GATES.  
USE 9 GA TIES OR HOG RINGS  
SPACED 24" APART

END, CORNER, ANGLE, & PULL  
POSTS (SEE NOTE 10)

GALV STEEL OR  
IRON POST CAPS

DOUBLE GATE POSTS  
(SEE NOTE 10)

3/4" DIA DROP PIN, ONE FOR  
EACH SIDE OF DOUBLE GATE  
INSTALL ON INSIDE OF GATE

GATE FRAME 2 3/8"  
OD GALV STEEL PIPE

SEE NOTE 7

1/4" x 1 3/4" x 4" CHANNEL, 3" LONG,  
EMBEDDED IN CONC. W/ 1" DIA HOLE  
FOR DROP PIN FOR HOLDING GATE IN  
OPEN & CLOSED POSITION. ALL GATES  
CHANNEL TO PROTRUDE 1 1/2" ABOVE  
FINAL GRADE AND CONCRETE FOOTING

USE DROP PIN & CHANNEL STOP, AS SHOWN  
TO HOLD GATE IN OPEN & CLOSED POSITION

SEE SPECS.  
FOR MIN. HEIGHT

FABRIC END FITTINGS FOR  
GATE, END, & CORNER POSTS.  
1/4" x 3/4" BARS & 3/8" x 1" GALV  
STL BANDS SPACED MAX 15"

7 GA GALV STEEL OR  
MALLEABLE IRON HINGES  
3/8" GALV STL  
TRUSS ROD

INSERT 3/8" OD STAPLE  
THROUGH END LINK OF  
CHAIN, THEN WELD TO  
POST IN MIDDLE OF GATE

LOCKING CHAIN, 3/8"  
GALV WELDED STEEL

DROP PIN REST,  
WELDED TO POST

3" MAX

ALL JOINTS ON GATE FRAMES  
WELDED, WITH WELDS  
GROUND SMOOTH. 2 3/8"  
OD GALV STEEL PIPE

BARBED WIRE SHALL BE 2 STRANDS  
OF 12 1/2 GA GALV WIRE, WITH FOUR  
POINT BARBS DOUBLE WRAPPED AND  
SPACED 5" APART OR RAZOR WIRE

TOP RAIL TO PASS THROUGH  
LINE POST TOP FITTINGS

INSTALL FABRIC TO OUTSIDE FACE OF  
POSTS, & FACE BARBED WIRE EXTENSION  
ARMS TO THE OUTSIDE OF ENCLOSURE

EXTENSION ARM AT 45° W/TOP WIRE  
12" ABOVE FABRIC. USE VERTICAL  
EXTENSION ARMS ON ALL GATES AND  
GATE POSTS

TOP RAIL TO PASS THROUGH  
LINE POST TOP FITTINGS

JOIN TOP RAIL SECTIONS W/ 6"  
LONG RIGID GALV PIPE SLEEVES

INSTALL FABRIC TO OUTSIDE FACE  
OF POSTS. MAKE FABRIC TIES TO  
TOP RAIL EVERY 24" OR LESS

9 GA FABRIC TIES TO LINE  
POSTS EVERY 15" OR LESS

LINE POSTS ARE STANDARD 2 1/2"  
OD, GALV STEEL PIPE. MAKE MAX  
LINE POST SPACING OF 10'-0"  
(SEE NOTE 10)

FENCE POST DETAIL WITH BARBED WIRE  
NTS

FENCE POST DETAIL WITHOUT BARBED WIRE  
NTS

## LOS ANGELES COUNTY WATERWORKS DISTRICTS

### DEPARTMENT OF PUBLIC WORKS

STANDARD PLAN  
**W-23**

APPROVED

*Michael...*  
ASSISTANT DEPUTY DIRECTOR

APRIL 2004

DATE

SHEET 1 OF 2

## CHAIN LINK FENCING DETAILS

### GENERAL NOTES:

1. INTERMEDIATE HORIZONTAL BRACES ON END, CORNER, ANGLE, AND PULL SECTIONS ONLY.
2. FOOTINGS SHALL ENCASE BASES OF ALL POSTS BY A MINIMUM OF 4" ON ALL SIDES AND BOTTOM.
3. ABRASIONS TO GALVANIZING SHALL BE TOUCHED UP WITH GALV (ZINC) PAINT.
4. BARBED WIRE REQUIRED ON ALL SECTIONS AND ON GATES, EXCEPT WHEN DELETED ON PLANS OR IN SPECIFICATIONS CONFORMED TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (LATEST EDITION) 206-6-6.7 AND ASTM-A121.
5. BARBED WIRE IS NOT REQUIRED ON GATES WHEN NOT REQUIRED ON FENCING.
6. ALL GATES SHALL BE EQUIPPED WITH LOCKING CHAIN.
7. ALL END, CORNER, ANGLE, AND PULL POSTS SHALL HAVE MINIMUM BURY IN CONCRETE OF 36". ALL LINE POSTS SHALL HAVE 30" BURY.
8. DRILL AND PIN OR RIVET ALL CAPS (EPOXIED CAPS ARE ACCEPTABLE).
9. ALL GATES 6' HIGH SHALL HAVE 2 HINGES MINIMUM, AND ALL GATES 8' HIGH SHALL HAVE 3 HINGES MINIMUM.
10. MATERIALS FOR POST, RAILS, AND BRACES SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (LATEST EDITION) TABLE 206-6.2 (A).
11. REPAIR OF DAMAGED COATING OF GALVANIZED SURFACES SHALL BE CLEANED AND PAINTED WITH ZINC RICH PAINT SUCH AS GALVICON OR GALVALLOY OR APPROVED EQUIVALENT.

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