

**SECTION 32 31 13****CHAIN LINK FENCES AND GATES**

Last Updated: March 3, 2014

Except where changes have been made below, reference APWA Utah Standard Specification Section 32 31 13 CHAIN LINK FENCES AND GATES.

General Modification: Any location within the specification where ENGINEER is mentioned it should be noted that depending on the project or encroachment application the ENGINEER may be a DISTRICT employee.

Delete sections B. & C. OF 2.1 **GENERAL**

Delete sections 2 & 3 OF 2.2 **CHAIN LINK FABRIC PART A.**

Add paragraphs as follows:

**2.9 GATES**

- E. Accessibility: Gate stops and gate latches (and locks) shall be accessible from either side of gate.
- F. Openings.
  - 1. Man gate openings shall be a minimum of 3 feet wide.
  - 2. Truck gate openings shall be a minimum of 12 feet wide.

Modify language in 2.10 B as follows:

- B. Latch: Forked steel type or plunger-bar steel type to permit operation from either side of gate. Provide locking device and padlock eye as integral part of latch. Locking mechanism shall have the ability to be daisy-chained so as to allow multiple locks if necessary. Locks shall be operable from either side of gate.

Add paragraphs as follows:

**3.1 PREPARATION**

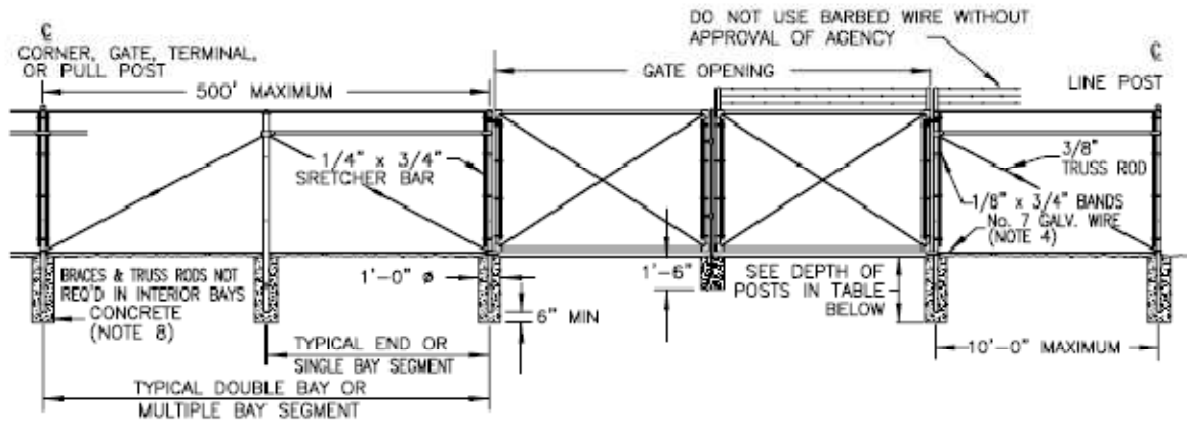
- G. Unless otherwise directed by DISTRICT, DISTRICT or DISTRICT's representative shall be on-site during entire fence installation.
- H. A typical chain-link fence detail is shown in Figure 1 at the end of this specification section.

**3.2 LAYOUT OF WORK**

- C. Under no circumstance shall a fence or gate post be located above the Salt Lake Aqueduct or Point of the Mountain Aqueduct.
- D. Gate locations shall be approved by DISTRICT prior to installation.

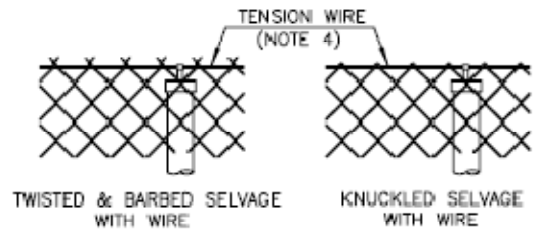
**3.7 INSTALLATION OF GATES**

- B. Once gate is installed coordinate with DISTRICT on lock installation.

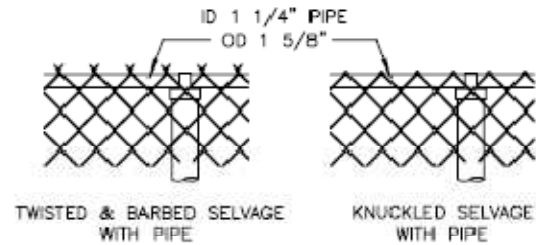


**FENCE**

FENCE POSTS					
HEIGHT OF FABRIC	DEPTH OF POSTS	LENGTH OF END CORNER, OR PULL POST	LENGTH OF LINE POST	MINIMUM DIAMETER	
				END, CORNER PULL POST	LINE POST
7"	3'	10'	9'-8"	2 1/2"	2"
6"	3'	9'	8'-8"	2 1/2"	2"
5"	3'	8'	7'-8"	2"	1 1/2"
4"	2'	6'	5'-8"	2"	1 1/2"

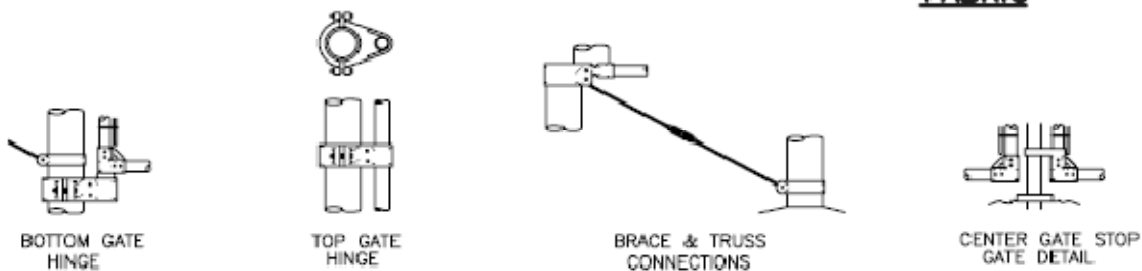


GATE POSTS AND GATE FRAMES			
HEIGHT	FRAME	GATE OPENING	POST
UNDER 6 FEET	1 1/2"	SINGLE TO 6' OR DOUBLE TO 12'	2"
	1 1/2"	SINGLE OVER 6' TO 8' OR DOUBLE OVER 12' TO 16'	2 1/2"
	1 1/2"	SINGLE OVER 8' TO 12' OR DOUBLE OVER 16' TO 24'	3 1/2"
6 FEET AND OVER	1 1/2"	SINGLE TO 6' OR DOUBLE TO 12'	2 1/2"
	1 1/2"	SINGLE OVER 6' TO 13' OR DOUBLE OVER 12' TO 26'	3 1/2"
	1 1/2"	SINGLE OVER 13' TO 18' OR DOUBLE OVER 26' TO 36'	6"
	1 1/2"	SINGLE OVER 18' OR DOUBLE OVER 36'	8"



SEE NOTES 1 AND 2 (TYP)

**FABRIC**



**DETAILS**

***Chain link fence***

1. FENCES 5 FEET HIGH OR HIGHER: Use twisted and barbed selvage, top and bottom.
2. FENCES LOWER THAN 5 FEET: Use knuckled selvage on tope, and twisted and barbed selvage on bottom.
3. TRUSS RODS AND BRACES: Not required for fabric heights less than 5 feet high.
4. TENSION WIRE: Use zinc coated, galvanized, No. 7 gage spring coil steel. Set wire at 1 inch over natural ground or 6 inches over concrete structures.
5. PIPE: Use ASTM A 120, schedule 40, hot dipped zinc coated steel.
6. POST SPACING: Locate posts at equal spacing for each segment with maximum spacing specified in standard specifications.
7. BARB WIRE ARM: Face arm towards exterior of fenced area.
8. CONCRETE: Class 4000 per APWA Section 03 30 04. Place per APWA Section 03 30 10. Cure per APWA Section 03 39 00.

**FIGURE 1 (Source: APWA 2007 Standard Plans - Plan No. 831)**