Hyperlinks Are Inactive

GENERAL REQUIREMENTS FOR DESIGN AND CONSTRUCTION:

1. The standard property fence shall be 7 feet high; 3 rows of barbed wire on extension arms over 6 feet of fabric.

2. Exceptions:
   (A) Where local ordinances prohibit use of barbed wire, fabric shall be 7 feet high.
   (B) Where the fence is closer than 5 feet to exposed energized equipment, the fence shall be 10 feet high.
   (C) The fence shall have 7 feet of fabric and 6 rows of barbed wire at generating stations, substations, gas compressor stations, pressure limiting stations, gas regulating stations, and other gas facilities which have any equipment handling the flow of gas by other than a manually operated valve.

3. MATERIALS:
   All components for a given installation shall be furnished by the same supplier.
   Steel pipe used for posts, rails, braces and gate frames shall conform to the specifications of ASTM A120.
   Structural and roll formed shapes shall be ASTM A36, hot dipped galvanized per ASTM A123 for galvanized coating.
   Hardware, except tie wire and barbed wire shall comply with ASTM A153 for galvanized coating.
   Barbed wire shall conform to the specification of ASTM A121 Class I. It shall consist of two strands of 12-1/2 gage wire, twisted with 4 point, 14 gage barbs spaced at 5° O.C.
   Extension arms shall be designed to carry, and to anchor securely, three rows of barbed wire equally spaced, and in addition shall have adequate strength to support a vertical load of 200 pounds at the outer end.
   Chain-link fabric shall be fabricated from 9 gauge wire. The size of mesh shall be 2 inch. Fabric shall have twisted and barbed selvage on top and knuckled selvage on the bottom. Fabric shall be coated with either zinc, aluminum or plastic as specified herein and in the contract.
   (b) Zinc-coated steel chain-link fence fabric shall conform to ASTM A592 and shall have a Class I zinc coating.
   (c) Aluminum-coated steel chain-link fence fabric shall conform to ASTM A491(2).
   (c) Plastic-coated steel chain-link fence fabric shall be thermally extruded over zinc-coated steel wire, or aluminum-coated steel wire, or thermally bonded over plastic primed steel wire at manufacturer's option. Thickness applicable to coatings on steel wire shall be in accordance with Table III of Federal Specification RR-F-191/1 (DA-A-55) color selection shall be approved by P.G. & E. Engineering Department.
   Chain-link fabric where Rustake fencing is specified shall be fabricated from 9 gage wire. The size of mesh shall be 3-1/2". The selvage top and bottom shall be knuckled. Zinc coating shall conform to ASTM A592 Class I. Redwood posts shall be grade "A" Redwood 3/8" x 2-3/8" stained. Rustake fencing should not be used without coordination with the security department.

4. TEMPORARY CHAIN-LINK FENCE:
   The notes above and listed reference drawings apply to permanent fencing. For temporary fencing use driven steel tee section, steel pipe or channel section fence posts, and chain-link fabric. Use extension arms and barbed wire where temporary fencing also provides site security.

REFERENCES:

GROUNDING ........................................ Dwg. No. 02607
INSULATION DISTRICTS .............................. Dwg. No. 026300
FENCE ELEVATIONS AND NOTES ...................... Dwg. No. 059660
GATE ELEVATIONS AND NOTES ...................... Dwg. No. 059661
FENCE DETAILS .................................... Dwg. No. 059662
SQUARE TUBE ORNAMENTAL PROPERTY GATE ....... Dwg. No. 059663
LOCK ASSEMBLY FABRICATION DRAWING .......... Dwg. No. 059664
CENTER GATE STOP FABRICATION DRAWING ...... Dwg. No. 059665

APPROVED BY ................................. 3-24-87

REV. DATE DESCRIPTION OWN. CHK'D. APVD.

GM 5365
SUPV. K. TABER
DSGN. P. TEAMES
OWN. B. SMITH
CHK'D. M.L.

DATE 2-26-80 SCALE NONE

PROPERTY FENCE AND GATES
DEPARTMENT OF ENGINEERING
PACIFIC GAS AND ELECTRIC COMPANY
SAN FRANCISCO, CALIFORNIA

ENGINEERING STANDARD

SUPERSEDES 047000
SUPERSEDED BY

DRAWING NUMBER REV.
059659 3

MICROFILM