| METALLIC FENCE WITH SEPARATE GROUNDING SYSTEMS (CASE 2) |

**NOTES:**
- CHAIN LINK FENCE IS SHOWN FOR REFERENCE ONLY. THESE STANDARDS ALSO APPLY TO WROUGHT IRON OR ANY OTHER ELECTRICALLY CONDUCTIVE FENCES

**DETAIL A**

**PREFERRED METHOD OF POST GROUNDING**

**ALTERNATIVE METHOD OF POST GROUNDING**

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**CUSTOMERS METALLIC FENCE POST GROUNDING**

**CITY OF LOS ANGELES DEPARTMENT OF WATER AND POWER**

**CUSTOMERS METALLIC FENCE IN PROXIMITY TO DWP PADMOUNT TRANSFORMER INSTALLATION**

**DESIGN:** C. ANGELETA

**DRAWING:** J. GARCIA

**CHECKED:** A. NYCECO

**REV.:** 02/22/96

**CITY OF LOS ANGELES DEPARTMENT OF WATER AND POWER**

**CUSTOMERS METALLIC FENCE POST GROUNDING IN PROXIMITY TO DWP PADMOUNT TRANSFORMER INSTALLATION**

**DESIGN:** C. ANGELETA

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NOTES:

1. THE CUSTOMER'S FENCE SHALL BE CONNECTED TO THE DWP TRANSFORMER PAD GROUNDING SYSTEM IF THE SHORTEST DISTANCE FROM THE TRANSFORMER PAD TO THE FENCE IS 6 FEET OR LESS. (CASE 1).

2. THE CUSTOMER'S FENCE GROUNDING SYSTEM SHALL BE SEPARATE FROM THE DWP TRANSFORMER PAD GROUNDING SYSTEM IF THE SHORTEST DISTANCE FROM THE TRANSFORMER PAD TO THE FENCE IS MORE THAN 6 FEET BUT NOT MORE THAN 20 FEET. (CASE 2).

3. IF THE SHORTEST DISTANCE FROM THE DWP TRANSFORMER PAD TO THE CUSTOMER'S FENCE IS MORE THAN 20 FEET, THE CUSTOMER'S FENCE IS NOT REQUIRED TO BE GROUNDED.

4. THE CUSTOMER'S FENCE OUTSIDE THE PRESCRIBED AREA IS NOT REQUIRED TO BE GROUNDED.

5. THE CUSTOMER SHALL INSTALL A GROUND ROD EVERY 15 FEET ALONG THE PERIMETER FENCE IN THE PRESCRIBED AREA.

6. THE PREFERRED METHOD OF CONNECTING THE FLEXIBLE BRAID TO THE GATE POSTS IS BY MAKING EXOTHERMIC CONNECTIONS. ONLY WHEN THE WALLS OF GATE POSTS AND POST BOX TO ALLOW EXOTHERMIC CONNECTIONS, THEN USE SUITABLE GROUND CLAMPS MADE OF TINNED ELECTRONIC COPPER. THE CLAMPS SHALL BE PREFABRICATED WITH JUMPERS AND PIGTAILS. OR PIGTAILS ONLY. (EXOTHERMIC KELD DEIIGHTS DIRECTLY TO THE LUGS.

7. FOR PRECAST CONCRETE PAD AND BARRIER POST INSTALLATION, REFER TO THE APPROPRIATE UBT21 SERIES DRAWING.

8. ASSUME METAL-TO-METAL CONTACT BETWEEN THE GROUND CLAMP AND THE METAL POST BY REMOVING ANY PAINT OR NON-CONDUCTIVE COATING. PAINT COATING CAN BE APPLIED AFTER ASSEMBLY.