SCOPE: THIS STANDARD SHOWS REQUIREMENTS FOR INSTALLING CONCRETE OR POLYMER CONCRETE PAD WITH POLYMER CONCRETE, PULL BOX FOR SINGLE PHASE 6.9kV OR 12kV PAD MOUNT TRANSFORMER.

TRANSFORMER PAD ONLY

<table>
<thead>
<tr>
<th>SIZE</th>
<th>MATERIAL</th>
<th>ARMOR CAST</th>
<th>newbasis</th>
<th>JENSEN (BROOKS)</th>
<th>UTILITY VAULT CO.</th>
<th>ANAHEIM PART NO.</th>
<th>COMPATIBLE UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>48&quot; X 54&quot;</td>
<td>CONCRETE</td>
<td>-</td>
<td>-</td>
<td>PD4854-T4-11</td>
<td>ANA485406TP</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>POLYMER</td>
<td>6OO1986</td>
<td>9707</td>
<td>A6OO1986</td>
<td>-</td>
<td>486275</td>
<td>PAD48X54-POLY</td>
</tr>
</tbody>
</table>

PAD SUITABLE FOR 25kVA TO 100kVA, 6.9kV OR 12kV SINGLE PHASE PAD MOUNT TRANSFORMERS.
DESIGN NOTE:
WHEN NECESSARY, A MAXIMUM OF THREE MAY BE CONNECTED DIRECTLY TO TRANSFORMER. OMIT ITEMS 3 AND 4. CLUSTER AND LOCATE SERVICE CONDUITS IN PAD OPENING USING DIMENSIONS FOR ITEM 4.

6.9kV OR 12kV INSTALLATION
CENTER PULL BOX ② AND ③ ON PAD "C"

INTERIOR GROUND ROD. SEE INSTALLATION PROCEDURE NO. 8

PULL BOX ② OPENING INSIDE EDGE MUST BE FLUSH WITH THIS EDGE OF PAD OPENING (SEE SH. 3)

2-PRIMARY CONDUITS

NO CONDUITS IN SHADED AREA

6.9kV PRIMARY CONDUITS 3" MAX.

MAX. OF 1-3" AND 5-4" CONDUITS IN PULL BOX ③

EXTERIOR GROUND. ROD SEE INSTALLATION PROCEDURE NO. 1

*12kV INSTALLATION IS NOT FOR NEW CONSTRUCTION

6.9kV INSTALLATION (OBSOLETE)
MAINTENANCE ONLY NOT FOR NEW CONSTRUCTION THIS DETAIL ONLY

GROUND ROD ⑤ (INTERIOR) NO CONDUITS IN THIS AREA

6.9kV OR 12kV INSTALLATION

CONSTRUCT STANDARD:
SINGLE PHASE PADMOUNT TRANSFORMER
48" X 54" TRANSFORMER PAD

FILENAME: CU 1500-34 REV 7

CITY OF ANAHEIM
PUBLIC UTILITIES DEPARTMENT
T&D CONSTRUCTION STANDARDS

REVISION NO. 7
ISSUE DATE: 01-17
SHEET 2 OF 4
CONSTRUCTION STANDARD:
CU 1500-34
INSTALLATION SIDE VIEW & GROUNDING DETAIL

MATERIAL LIST

<table>
<thead>
<tr>
<th>ITEM</th>
<th>QTY</th>
<th>DESCRIPTION</th>
<th>ANAHEIM PART NO.</th>
<th>COMPATIBLE UNIT</th>
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<tr>
<td>1</td>
<td>1</td>
<td>PAD, TRANSF. 48&quot; X 54&quot; 1 PHASE PMT</td>
<td>486275</td>
<td>PAD48X54-POLY</td>
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<tr>
<td>2</td>
<td>1</td>
<td>PULL BOX, POLYMER CONCRETE, 17&quot; x 30&quot; W/O COVER</td>
<td>486300</td>
<td>PB17X30POLY</td>
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<tr>
<td>3</td>
<td>1</td>
<td>PULL BOX, POLYMER CONCRETE, 17&quot; x 30&quot; W/Cover</td>
<td>486300</td>
<td>PB17X30POLY</td>
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<tr>
<td>4</td>
<td>6 FT.</td>
<td>CONDUIT, 3&quot; PVC CORFLO</td>
<td>478040</td>
<td>C-CORFLO3&quot;</td>
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<tr>
<td>5</td>
<td>2</td>
<td>ROD, GROUND 5/8&quot; X 8' COPPER WELD</td>
<td>547005</td>
<td>GRNDRD</td>
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<tr>
<td>6</td>
<td>2</td>
<td>CLAMPS, GROUND</td>
<td>588075</td>
<td>GRNDCLMP-RD</td>
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<tr>
<td>7</td>
<td>15 FT.</td>
<td>WIRE, #4 B.C. SOLID SOFT DRAWN</td>
<td>446150</td>
<td>W4CUBARE-SD</td>
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SEE SH. 1
INSTALLATION PROCEDURE

1. INSTALL EXTERIOR GROUND ROD IN PRIMARY TRENCH AND RUN GROUND WIRE (NOTE LOCATION) TO PAD AND PULL BOX EXCAVATION.

2. PLACE REQUIRED CONDUITS INTO PAD AND PULL BOX EXCAVATION. NOTE LOCATIONS PER SHEET 2 AND 3. BACKFILL AND COMPACT SOIL TO 95%.

3. EXTEND CONDUITS 2" TO 3" ABOVE GRAVEL BASE (SEE SH. 3)

4. INSTALL TEMPORARY CONDUIT PLUGS IN ALL CONDUITS PER CU 1600-96H.

5. INSTALL 6" OF 3/4" ROCK BASE BELOW PULL BOX THEN BACKFILL AND COMPACT SOIL TO 95% BELOW PAD

6. ROUTE GROUND WIRE THROUGH PAD OPENING.

7. INSTALL AND LEVEL PAD, BACKFILL TO 2" MAX. BELOW PAD TOP.

8. INSTALL INTERIOR GROUND ROD (NOTE LOCATION ON SHEET 2) KEEPING CLEAR OF CONDUITS PER SHEET 2 AND 3. BACKFILL AND COMPACT SOIL TO 95%.

NOTES:

A. LOCATE AND INSTALL CONDUITS, PAD PULL BOX AND GROUNDING PER SHEET 2 AND 3.

B. MAINTAIN 8 FEET MINIMUM WORKING CLEARANCE IN FRONT OF PAD AND 3' CLEARANCES ON SIDES AND BACK.

C. RETAINING WALLS PER CU 1600-6.

D. PROTECTIVE POSTS PER CU 1600-9.

EASEMENT REQUIREMENTS