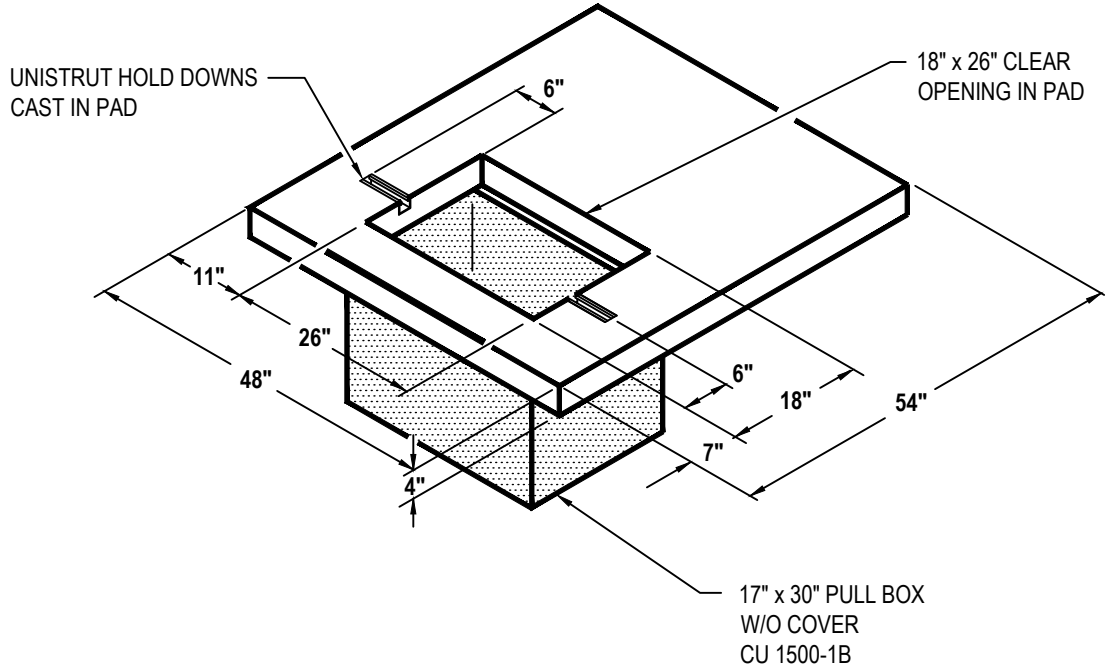


SCOPE: THIS STANDARD SHOWS REQUIREMENTS FOR INSTALLING CONCRETE OR POLYMER CONCRETE PAD WITH POLYMER CONCRETE,PULL BOX FOR SINGLE PHASE 6.9kV OR 12kV PAD MOUNT TRANSFORMER.



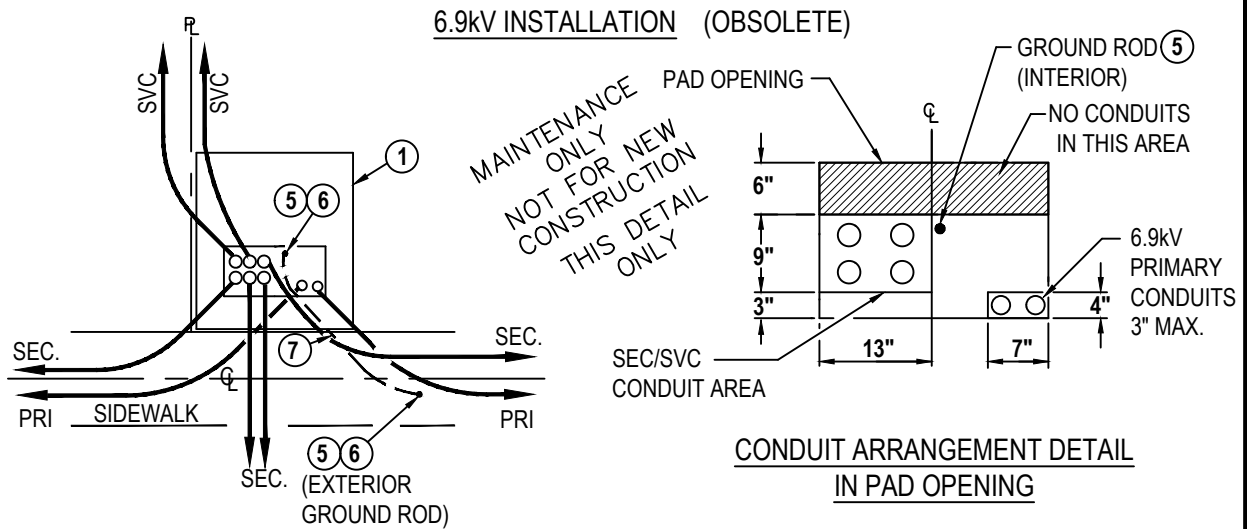
**TRANSFORMER PAD ONLY**

SIZE	MATERIAL	ARMOR CAST	newbasis	JENSEN (BROOKS)	UTILITY VAULT CO.	ANAHEIM PART NO.	COMPATIBLE UNIT
48" X 54"	CONCRETE	-	-	PD4854-T4-11	ANA485406TP	-	-
	POLYMER	6001986	9707	A6001986	-	486275	PAD48X54-POLY

PAD SUITABLE FOR 25kVA TO 100kVA, 6.9kV OR 12kV SINGLE PHASE PAD MOUNT TRANSFORMERS.

FILENAME: CU 1500-34 REV 7

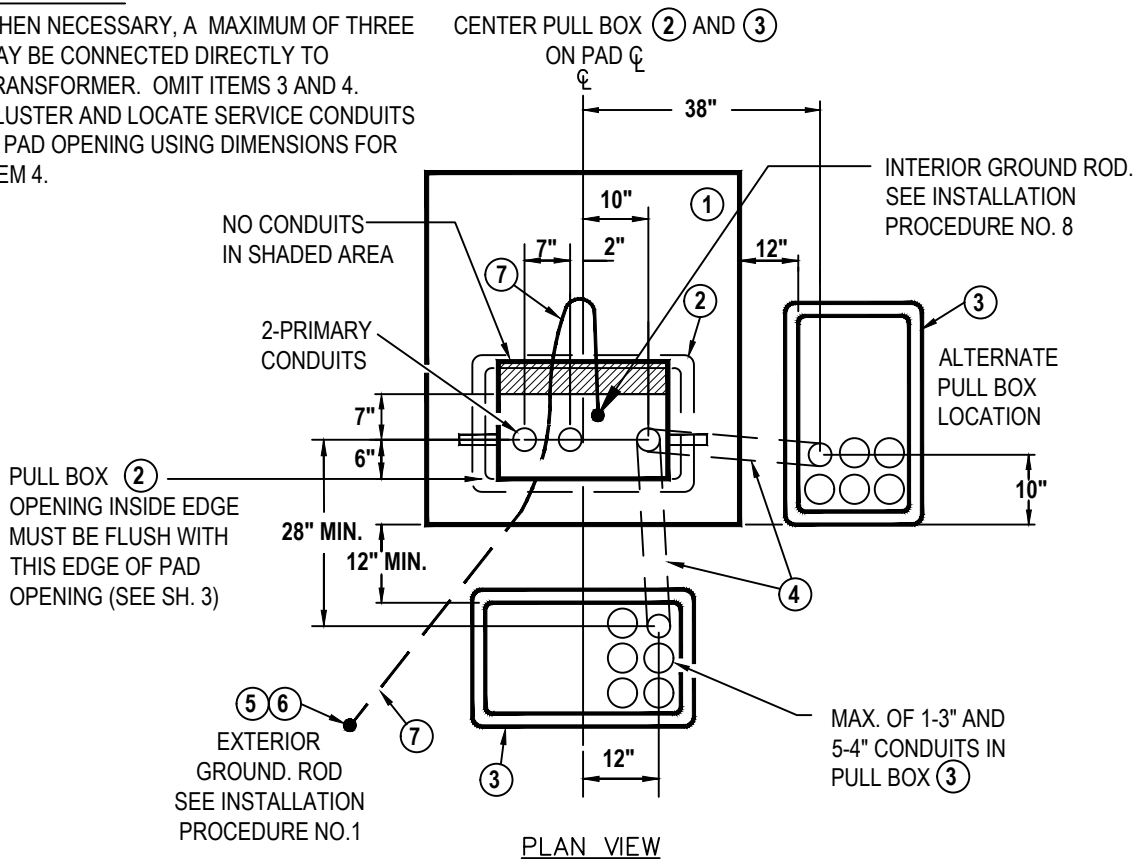
<b>CITY OF ANAHEIM</b> PUBLIC UTILITIES DEPARTMENT ELECTRICAL DIVISION T&D CONSTRUCTION STANDARDS	REVISION KEYS:	ADDED / REVISED TEXT	ADDED / REVISED MATERIAL	NEW SHEET	NEW SHEET	
	<b>SINGLE PHASE PADMOUNT TRANSFORMER</b> <b>48" X 54" TRANSFORMER PAD</b>				REVISION NO. <b>7</b>	
					ISSUE DATE: <b>01-17</b>	
	APPROVALS				SHEET <b>1</b> OF <b>4</b>	CONSTRUCTION STANDARD:
PREP BY	T&D MGR	SYS PLN MGR	OPS MGR	SUB MAINT	<b>CU 1500-34</b>	
<i>MH</i>	<i>ES</i>	<i>N/A</i>	<i>DA</i>	<i>N/A</i>		



**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**



**\*12kV INSTALLATION IS NOT FOR NEW CONSTRUCTION**

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**CITY OF ANAHEIM**  
PUBLIC UTILITIES DEPARTMENT  
ELECTRICAL DIVISION  
T&D CONSTRUCTION STANDARDS

APPROVALS				
PREP BY	T&D MGR	SYS PLN MGR	OPS MGR	SUB MAINT
MH	ES	N/A	DA	N/A

REVISION KEYS:



ADDED / REVISED TEXT



ADDED / REVISED MATERIAL

NEW SHEET

NEW SHEET

**SINGLE PHASE PADMOUNT TRANSFORMER  
48" X 54" TRANSFORMER PAD**

REVISION NO. 7

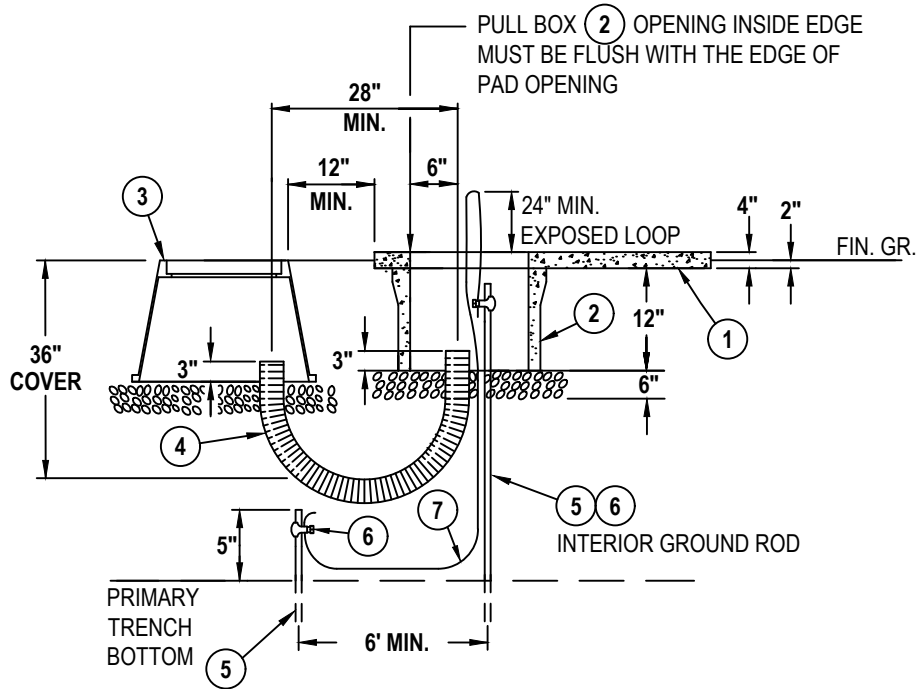
ISSUE DATE: 01-17

SHEET 2 OF 4

CONSTRUCTION STANDARD:

**CU 1500-34**

FILENAME: CU 1500-34 REV 7



INSTALLATION SIDE VIEW & GROUNDING DETAIL

**MATERIAL LIST**

ITEM	QTY	DESCRIPTION	ANAHEIM PART NO.	COMPATIBLE UNIT
1	1	PAD, TRANSF. 48" X 54" 1 PHASE PMT	486275	PAD48X54-POLY
2	1	PULL BOX, POLYMER CONCRETE, 17" x 30" W/O COVER	486300	PB17X30POLY
3	1	PULL BOX, POLYMER CONCRETE, 17" x 30" W/COVER	486300	PB17X30POLY
4	6 FT.	CONDUIT, 3" PVC CORFLO	478040	C-CORFLO3"
5	2	ROD, GROUND 5/8" X 8' COPPER WELD	547005	GRNDROD
6	2	CLAMPS, GROUND	568075	GRNDCLMP-ROD
7	15 FT.	WIRE, #4 B.C. SOLID SOFT DRAWN	446150	W4CUBARE-SD

SEE SH. 1

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ELECTRICAL DIVISION  
T&D CONSTRUCTION STANDARDS

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**SINGLE PHASE PADMOUNT TRANSFORMER  
48" X 54" TRANSFORMER PAD**

REVISION NO. 7

ISSUE DATE: 01-17

SHEET 3 OF 4

CONSTRUCTION STANDARD:

**CU 1500-34**

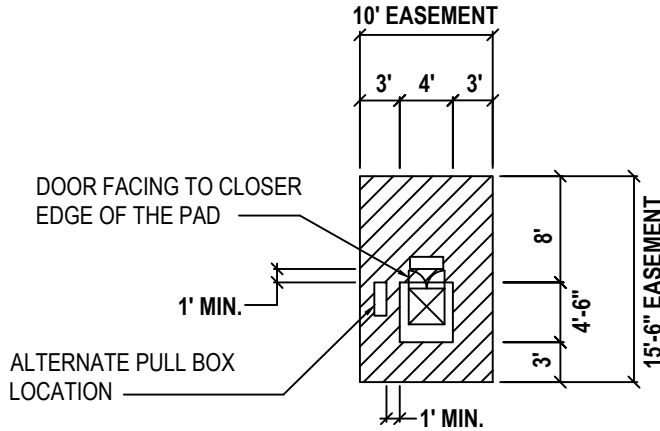
APPROVALS				
PREP BY	T&D MGR	SYS PLN MGR	OPS MGR	SUB MAINT
MH	ES	N/A	DA	N/A

**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**

FILENAME: CU 1500-34 REV 7

<b>CITY OF ANAHEIM</b> PUBLIC UTILITIES DEPARTMENT ELECTRICAL DIVISION T&D CONSTRUCTION STANDARDS		REVISION KEYS:		ADDED / REVISED TEXT		ADDED / REVISED MATERIAL	NEW SHEET	NEW SHEET	
		<b>SINGLE PHASE PADMOUNT TRANSFORMER</b> <b>48" X 54" TRANSFORMER PAD</b>						REVISION NO. <b>7</b>	NEW SHEET
								ISSUE DATE: <b>01-17</b>	NEW SHEET
								SHEET <b>4</b> OF <b>4</b>	NEW SHEET
								CONSTRUCTION STANDARD:	NEW SHEET
								<b>CU 1500-34</b>	NEW SHEET
<b>APPROVALS</b>									
PREP BY	T&D MGR	SYS PLN MGR	OPS MGR	SUB MAINT					
<i>MH</i>	<i>ES</i>	N/A	<i>DA</i>	N/A					