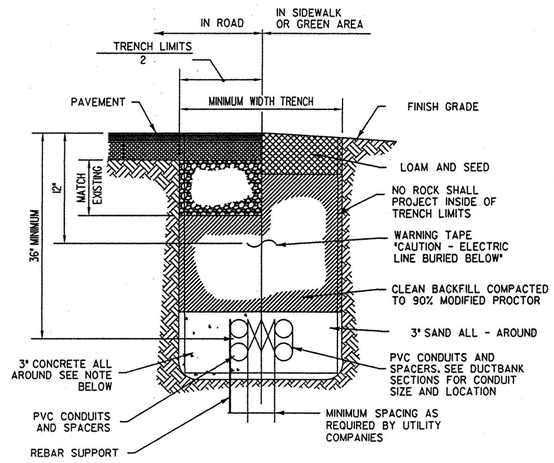
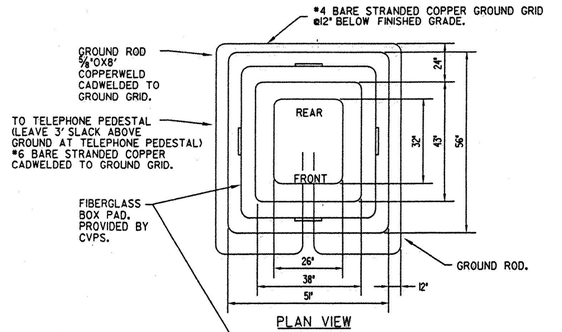


TYPICAL DUCTBANK TRENCH SECTION — A / E1-E5
NOT TO SCALE

NOTES:

① PROVIDE 3" CONCRETE ENCASEMENT AROUND CONDUITS AT ALL ROAD AND DRIVEWAY CROSSINGS TO 5' BEYOND EDGE OF PAVEMENT. TYPICAL.

② CONDUIT SPACERS TO BE INSTALLED EVERY 5 FEET. REBAR SUPPORT TO BE DRIVEN AND ATTACHED EVERY 15 FEET MINIMUM.

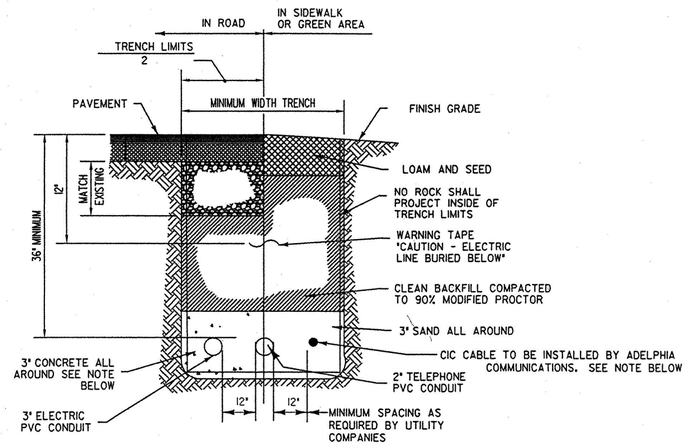


TERMINAL CABINET AND I/O / TRANSFORMER PAD DETAIL — E / E2-E5 E7
NOT TO SCALE

NOTES:

1. PAD SHALL BE PROTECTED FROM VEHICULAR DAMAGE BY LOCATION OR SUITABLE BARRIER. WHEN A BARRIER IS NECESSARY, IT SHALL CONSIST OF MINIMUM 4" DIAMETER STEEL CONDUITS, CONCRETE FILLED, INSTALLED 3' ABOVE AND BELOW GROUND LEVEL.
2. SET FIBERGLASS PAD TO PROVIDE ADEQUATE DRAINAGE AWAY FROM PAD. LOCATE THE FIBERGLASS PAD SO THAT IT SHALL BE ACCESSIBLE BY TRUCK.
3. THE TRANSFORMER MUST BE SECURED TO ITS PAD BY USING 2-3/8" BOLTS WITH APPROPRIATE WASHERS.
4. LEAVE SLACK IN PRIMARY AND SECONDARY CABLES IN OPEN CABLE SPACE.
5. INSTALL 3" CLEAN SAND IN BOTTOM OF BOX PAD.
6. INSTALL DIMENSIONS MAY VARY WITH MANUFACTURER.
7. ELBOW MUST BE ALIGNED TO ALLOW STRAIGHT PULL THROUGH BOX PAD OPENING.
8. A 90^ ELBOW IS TYPICAL, HOWEVER, CONDITIONS MAY REQUIRE THAT A 45° ELBOW BE SPECIFIED BY ENGINEERING.
9. PROVIDE SUFFICIENT CLEARANCE SO BOX PAD DOES NOT CONTACT ELBOW.
10. CONDUIT END TO BE SEALED, WITH APPROVED DUCT SEAL, AFTER CABLES ARE INSTALLED.
11. STEEL CONDUIT SHALL EXTEND AT LEAST 6 FEET FROM BOX PAD.
12. EXPOSED STEEL CONDUIT TO BE BONDED TO GROUND GRID.

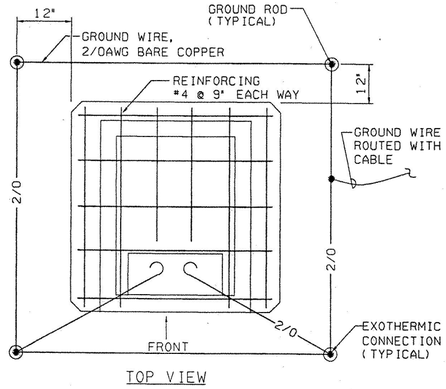
ITEM	MATERIAL
C40	PVC CONDUIT (SCH. 40)
FA	FEMALE ADAPTER
SE	STEEL ELBOW (36" RADIUS)
CN	CHASE NIPPLE
SC	STEEL CONDUIT
BL	BONDING LOCKNUT



TYPICAL HOUSE SERVICE (E/T/C) TRENCH SECTION — B / E2-E5
NOT TO SCALE

NOTES:

① PROVIDE 3" CONCRETE ENCASEMENT AROUND CONDUITS AT ALL ROAD AND DRIVEWAY CROSSINGS TO 5' BEYOND EDGE OF PAVEMENT. PROVIDE 4" PVC CONDUIT FOR CIC CABLE IN CONCRETE ENCASEMENT.

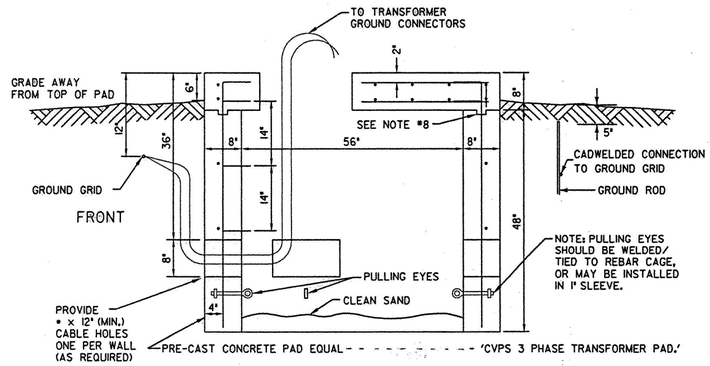


TOP VIEW

REBAR AND GROUNDING DETAIL FOR 3-PHASE PAD MOUNTED TRANSFORMER — C / E5,E7
NOT TO SCALE

NOTES:

1. GROUND RODS:
   SUPPLY AND INSTALL FOUR EIGHT FOOT COPPER CLAD ø" GROUND RODS. RODS SHALL BE DRIVEN VERTICALLY, ONE BEYOND EACH CORNER OF THE PAD, SO THAT THE TOP IS 5" BELOW THE GROUND LINE AT THE LOCATION AS SHOWN.
2. GROUND WIRE:
   CONTRACTOR SHALL SUPPLY AND INSTALL 2/0 BARE COPPER GROUND WIRE. CONNECT TO EACH GROUND ROD 7" FROM THE TOP (12" BELOW GROUND LINE). TWO ENDS SHALL BE BROUGHT INTO THE WELL AS SHOWN LEAVING SIX (6) FEET FOR CONNECTIONS ONTO TRANSFORMER.



NOTES:

1. PAD SHALL BE PROTECTED FROM VEHICULAR DAMAGE BY LOCATION OR SUITABLE BARRIER. WHEN A BARRIER IS NECESSARY, IT SHALL CONSIST OF A MINIMUM OF 4 STEEL PIPE BOLLARDS.
2. SET PAD TO PROVIDE ADEQUATE DRAINAGE AWAY FROM PAD. LOCATE THE PAD SO THAT IT SHALL BE ACCESSIBLE BY TRUCK.
3. LEAVE SLACK IN PRIMARY AND SECONDARY CABLES IN OPEN CABLE SPACE.
4. CONCRETE 3000 PSI AT 28 DAYS, STEEL YIELD STRESS 40,000 PSI.
5. SHORTEN REBARS 20" FOR CABLE HOLES.
6. LEAVE GROUND LEADS 2 FT. MINIMUM AVOVE PAD FOR CONNECTION TO TRANSFORMER.
7. INSTALLATION TO BE INSPECTED PRIOR TO BACKFILLING.
8. IF PAD IS CONSTRUCTED IN TWO POURS, THE JOINT MUST BE KEYED.
9. MAINTAIN 12' MINIMUM CLEARANCE IN FRONT OF TRANSFORMER.
10. INSTALL 3" CLEAN SAND IN BOTTOM OF FOUNDATION.
11. PAD IS DESIGNED TO SUPPORT A TRANSFORMER WEIGHT OF 6000* (MAX.).

CONCRETE PAD FOR 3-PHASE PAD MTD TRANSFORMER — D / E5,E7
NOT TO SCALE

Dufresne-Henry, Inc.
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No.	DESCRIPTION	BY	DATE
1	GENERAL REVISIONS	LAB	JULY/98

VERMONT

OLD BENNINGTON

UTILITY PLAN

DETAILS

BENNINGTON

Project No.	20000010
Proj. Manager	R.F. KISCHIKO
Proj. Designer	L.A. BLACK
Drawn By	M. MEILLEUR
Checked By	R.F. KISCHIKO
Scale	AS SHOWN
Approved	
Date	MARCH 1998

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