

LEGEND:

- FUEL PIPING
- UTILITIES
- FOAM LINES
- 2-5" PVC CONDUITS
- 2-4" PVC CONDUITS

NOTE 1 PROPOSED JOXJO AREA REQUESTED BY BELL ATLANTIC

NOTE 2 REUSE EXISTING MANHOLE FOR BELL ATLANTIC (REPLACE CONDUITS)

NOTE 3 FIBER GLASS PAD W/COVER (TYPICAL)
(SEE ATTACHED INFORMATION)
AT EACH LOCATION INSTALL 2-4" PVC CONDUITS FROM PAD TO PERIPHERAL SUPPLIED BY BELL ATLANTIC & CABLE TEL. 24" FROM PAD

NOTE 4 LOCATION OF SINGLE PHASE TRANSFORMER PADS W/COVER (TYPICAL)
(TO BE USED AS PULL BOX ONLY)

NOTE 5 LOCATION OF NEW 45' TOWER POLE BY CENTRAL MAINE POWER COMPANY

NOTE 6 LOCATION FOR CENTRAL MAINE POWER COMPANY SWITCHING CABINETS (USE SINGLE PHASE TRANSFORMER PAD) RECONNECT TO EXISTING CONDUITS GOING TO WATER TREATMENT PLANT THIS LOCATION ONLY

NOTE 7 LOCATION FOR 9X9 CENTRAL MAINE POWER COMPANY THREE PHASE TRANSFORMER PADS (SEE ATTACHED INFORMATION)

NOTE 8 ALL LOCATIONS ARE APPROXIMATE AND SHALL BE ADJUSTED AS NECESSARY FOR COORDINATION WITH ROADS AND OTHER UTILITIES IN THE FIELD. CONDUITS TO BE INSTALLED ON POWER POLE AS PER CIP STANDARDS. SEE SHEET D1

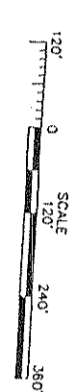
NOTES:

- 1) BASE MAP WAS DEVELOPED FROM A PLAN ENTITLED "GROUND PLANS" PREPARED BY THOMAS WORCESTER, INC. OF BOSTON, MASSACHUSETTS DATED 1932. ORIGINAL SCALE 1"=50'
- 2) HYDRANT AND FOAM LINE LOCATIONS WERE DIGITIZED FROM A PLAN ENTITLED "HYDRANT AND FOAM LINE LOCATIONS" FROM DISTRIBUTION SYSTEM PLAN, SHEETS 1 AND 2, SECTION-TYPICAL DETAILS, NAVFAC DRAWING NUMBER 2044980 AND 2044981, DATED JULY 22, 1980. DRAWINGS WERE PREPARED BY ALBERT LAROCHELLE & HODSEN ENGINEERING CORPORATION, 1000 WASHINGTON STREET, PORTLAND, MAINE 04101. DRAWINGS WERE PREPARED FOR THE DEPT. OF THE ARMY, U.S. ARMY ENGINEERING CENTER, NORTHERN DIVISION. (LOCATIONS SHOULD BE CONSIDERED APPROXIMATE)
- 3) MAIN POWER AND POWER LINE LOCATIONS WERE DIGITIZED FROM PLANS ENTITLED "PART SITE PLANS AND DETAILS" DATED DECEMBER 14, 1981, SHEETS 2.3 AND 4 OF 26. PLANS WERE PREPARED BY WUELLER ASSOCIATES, INC. CONSULTING ENGINEERS OF BALTIMORE, MARYLAND FOR DEFENSE FUEL SUPPORT CENTER, CAVERON STATION ALEXANDRIA, VIRGINIA. (LOCATIONS SHOULD BE CONSIDERED APPROXIMATE)
- 4) LIGHTING AND FIRE LINE LOCATIONS WERE DIGITIZED FROM PLANS ENTITLED "SITE PLAN AND DETAILS" DATED DECEMBER 14, 1981, SHEETS 2.3 AND 4 OF 26. PLANS WERE PREPARED BY WUELLER ASSOCIATES, INC. CONSULTING ENGINEERS OF BALTIMORE, MARYLAND FOR DEFENSE FUEL SUPPORT CENTER, CAVERON STATION ALEXANDRIA, VIRGINIA. (LOCATIONS SHOULD BE CONSIDERED APPROXIMATE)
- 5) REFER TO SHEET 1 FOR ADDITIONAL NOTES AND LEGEND.

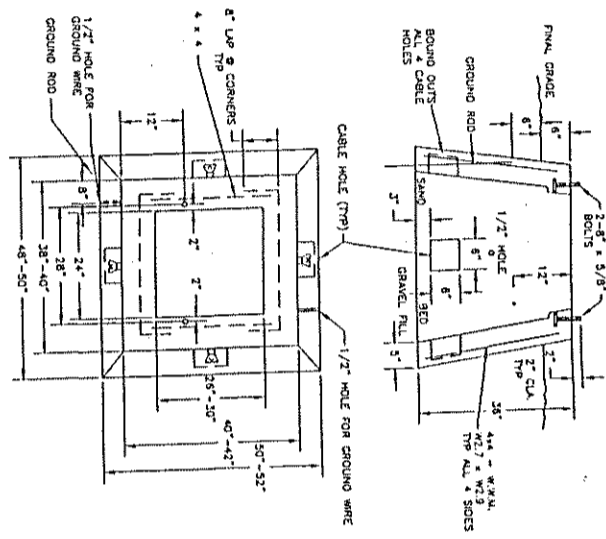
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|----------|-----------|
| JOB | 44-0275 |
| DATE | 2/12/84 |
| SCALE | 1" = 100' |
| DRAWN BY | PMC |

Fayreau's Electric, Inc.
 37 Jordan Avenue
 Brunswick, ME 04011
 207-725-2005

UNDERGROUND UTILITIES
DEFENSE FUEL SUPPORT POINT- CASCO BAY
SOUTH HARPSMEL, MAINE

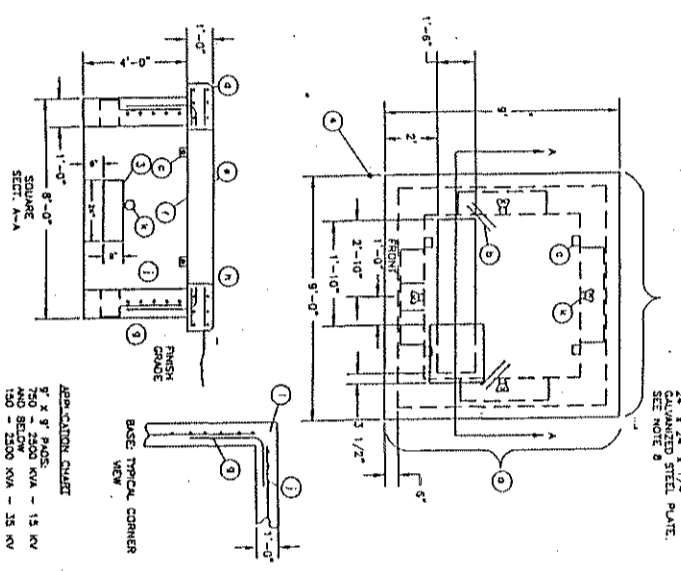


1. Concrete foundation is suitable for both 7500/12470 volt and 20/24 kV single phase transformer and primary junction box installations.
2. Set foundation on suitable ground fill and provide adequate drainage. Location to be determined by owner and suitable protected from fire and traffic damage.
3. Front denotes the side on which the access doors are located. The foundation must be finished so that the "FRONT" is readily accessible.
4. Other CIP approved padmount transformer foundations may be used.
5. Provide 6" square cast-in-place (bond out) 3" up the wall from base. One per wall, and top with concrete.
6. CIP/PCA to furnish a 3/4" x 8" galvanized rod to be finished 6" in front of the left front corner of transformer foundation. The top of the ground rod is to be 6" above the top grade.
7. Pulling eye insert, for use with 3/4" redline course thread anchor (Formrod LCB-1 or equivalent). Locate opposite each cast-in-place steel plate 15" from bottom.
8. Can be used as a foundation for 3 phase junction cabinet CU DCC013 (5/C 62-1450) with CU DCC013S (5/C 67-3211) surge.

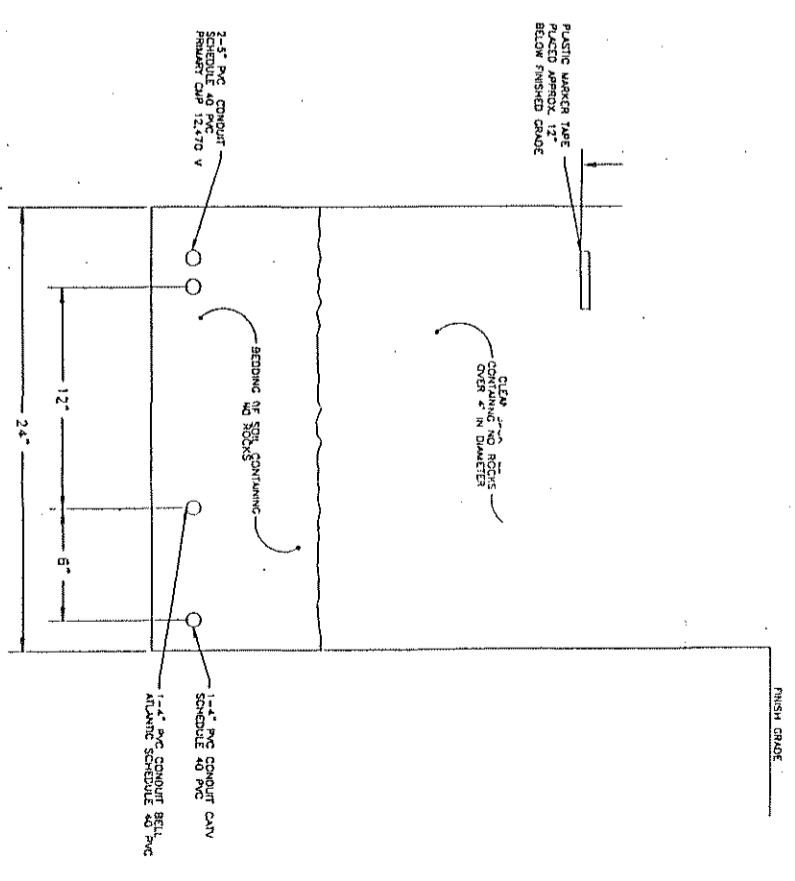


SINGLE PHASE CONCRETE TRANSFORMER FOUNDATION 25 TO 167 KVA
N.T.S.

1. FRONT denotes the side on which the access doors are located. The foundation must be finished so that the FRONT is accessible by truck and suitable protected from fire and traffic damage.
2. The concrete base shall be set on a suitable ground base. Provide adequate drainage away from the base. Finish grade shall be grade away from the foundation.
3. Provide 6" x 24" cable rods (bond out) 8" up the wall from the base. Locate one each side per wall, more if necessary. Line up each rod with vertical center of the left FRONT corner of the foundation. The top of the ground rod is to be 6 inches above final grade.
4. CIP/PCA to furnish a 3/4" x 8" galvanized ground rod to be finished 6 inches in front of the left FRONT corner of the foundation. The top of the ground rod is to be 6 inches above final grade.
5. Concrete compressive strength shall be 4000psi @ 28 days. For cast-in-place every high strength may be used with a minimum of seven days cure time.
6. Reinforcing steel to have: Fy = 60 TSI.
7. For precast units: The precast supplier shall provide lifting lugs in the slab and provide a minimum of 12" of concrete above the slab to the base prior to shipping to the site to ensure that the slab end base fit properly with no risk of the slab ending).
8. The foundation supplier to supply a 3/4" x 24" x 1/2" galvanized steel plate to be finished 6 inches in front of the left FRONT corner of the foundation. The top of the ground rod is to be 6 inches above final grade. The customer may be required to cut the steel plate.
9. 3-#5 Rebar evenly spaced each way top and bottom.
10. 2-#4 Corner diagonal rebar 2'-0" long top and bottom.
11. 4" x 4" x 1/2" angle 6" long with 2-3/4" dia. expansion anchors spaced - 4 pieces (two pieces precast only).
12. Chamfer typical.
13. 2" Concrete cover over top rebar.
14. 3" Concrete cover over bottom rebar.
15. 1-#6 @ 12" (cast-in-place only).
16. 24" x 24" x 1/2" galvanized steel plate.
17. 6 x 8 steel @ center of cover.
18. #5 Rebar on 12" centers.
19. Pulling eye insert, for use with 3/4" redline course thread anchor (Formrod LCB-1 or equivalent). Locate opposite each cast-in-place steel plate 15" from the bottom.
20. All rebar ends to be covered by 1" of concrete, minimum.



LARGE (9'x9') THREE TRANSFORMER FOUNDATION
N.T.S.



TRENCH DETAIL
N.T.S.

Favreau's Electric, Inc.
37 Jordan Avenue
Brunswick, ME 04011
207-725-2005

DEFENSE FUEL SUPPORT POINT - CASCO BAY
SOUTH HARPSWEL, MAINE

DETAIL SHEET

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|-----------|----------|---------|
| REVISIONS | JOB | 44-0025 |
| | DATE | 2/12/84 |
| | SCALE | N.T.S. |
| | DRAWN BY | PAC |