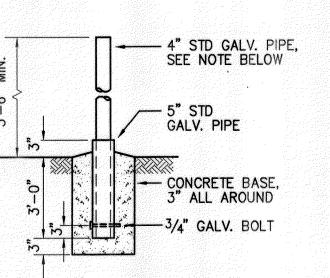


TRANSFORMER PAD DETAIL N.T.S.

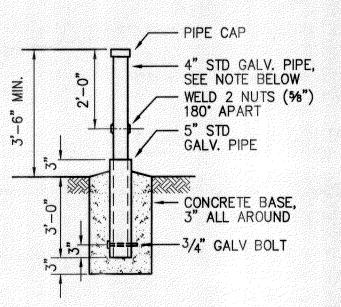
NOTE

- 1. COMPLY WITH ADDITIONAL REQUIREMENTS PER MECO STANDARD DRAWING 7-2-147.
- . CONCRETE COMPRESSIVE STRENGTH: 3000 PSI IN 28 DAYS.
- 3. REINFORCING SHALL BE CLEAN AND NEW ROUND DEFORMED BARS.
- 4. CURE CONCRETE BY APPROVED METHOD.
- 5. TOP OF CONCRETE PAD TO BE SMOOTH, TRUE AND FREE FROM DEFECTS. SIDEWALK FINISH AS PER COUNTY SPECIFICATIONS. ROUND ALL EXPOSED EDGES TO 3/8" RADIUS.
- 6. MAINTAIN A MINIMUM CLEARANCE OF 4'-0" FROM THE SIDES AND BACK OF PAD AND 8'-0" FROM THE FRONT EDGE OF PAD.
- 7. LOCATE, SECURE AND CAP ALL CONDUITS BEFORE POURING PAD.
- 8. CONSTRUCTION TO COMPLY WITH ACI 318 AS AMMENDED.



<u>DETAIL X</u>

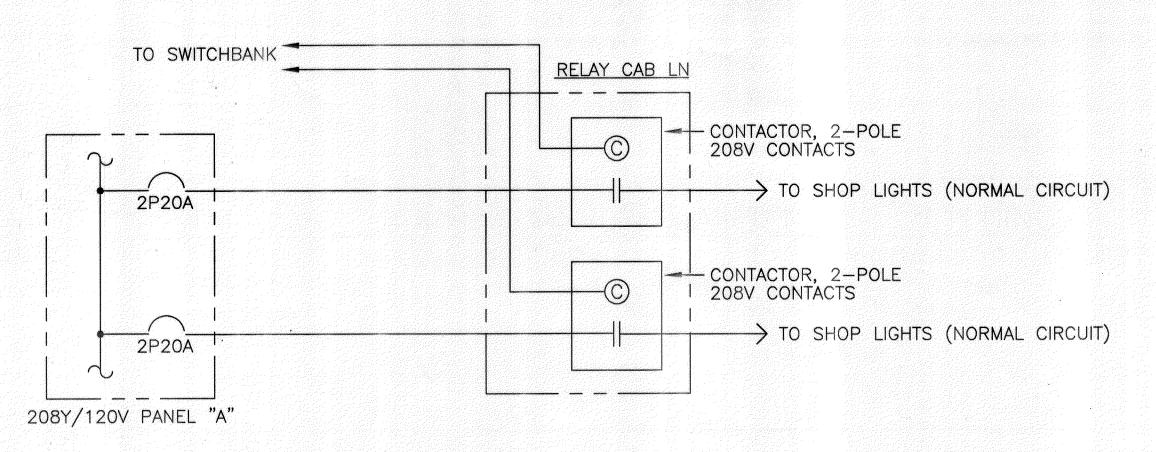
- 1. 4" STANDARD GALVANIZED PIPES SHALL BE FILLED WITH CONCRETE TO WEIGH APPROXIMATELY 150 LBS.
- 2. PAINT YELLOW PER ANSI SPEC. Z53.1 TO COMPLY WITH OSHA STANDARDS FOR COLOR CODING.

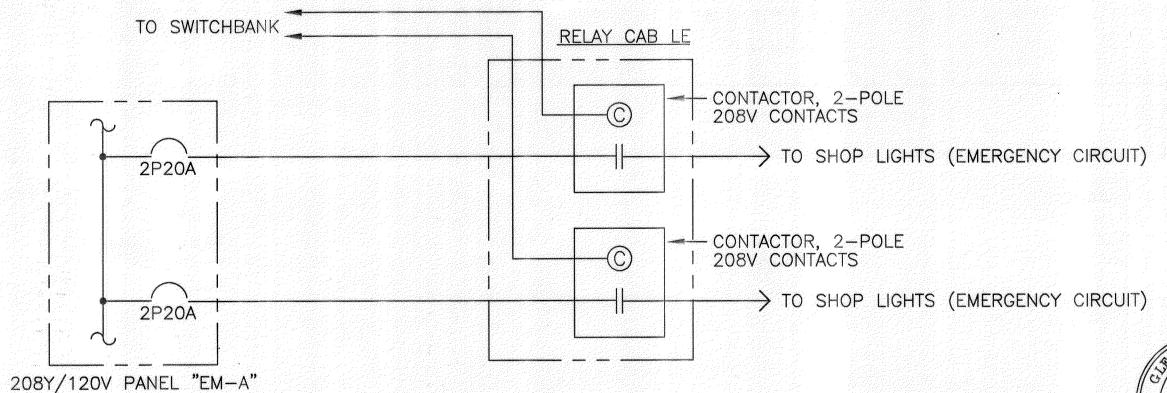


DETAIL X1

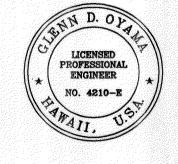
- NOTES:
- 1. 4" STANDARD GALVANIZED PIPE SHALL NOT BE FILLED WITH CONCRETE.
- 2. WELDED NUTS ARE FOR SCREWING IN BOLTS TO ACT AS "HANDLES" FOR LIFTING. BOLTS FOR LIFTING. THE BOLTS SHALL BE REMOVED AFTER INSTALLATION.
- 3. PAINT YELLOW PER ANSI SPEC. Z53.1 TO COMPLY WITH OSHA STANDARDS FOR COLOR CODING.

POST TYPE BARRIER DETAILS





CONTROL DIAGRAM - SHOP LIGHTS IN MAINTENANCE BUILDING



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

M. Oyane

DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION

MISC. DETAILS

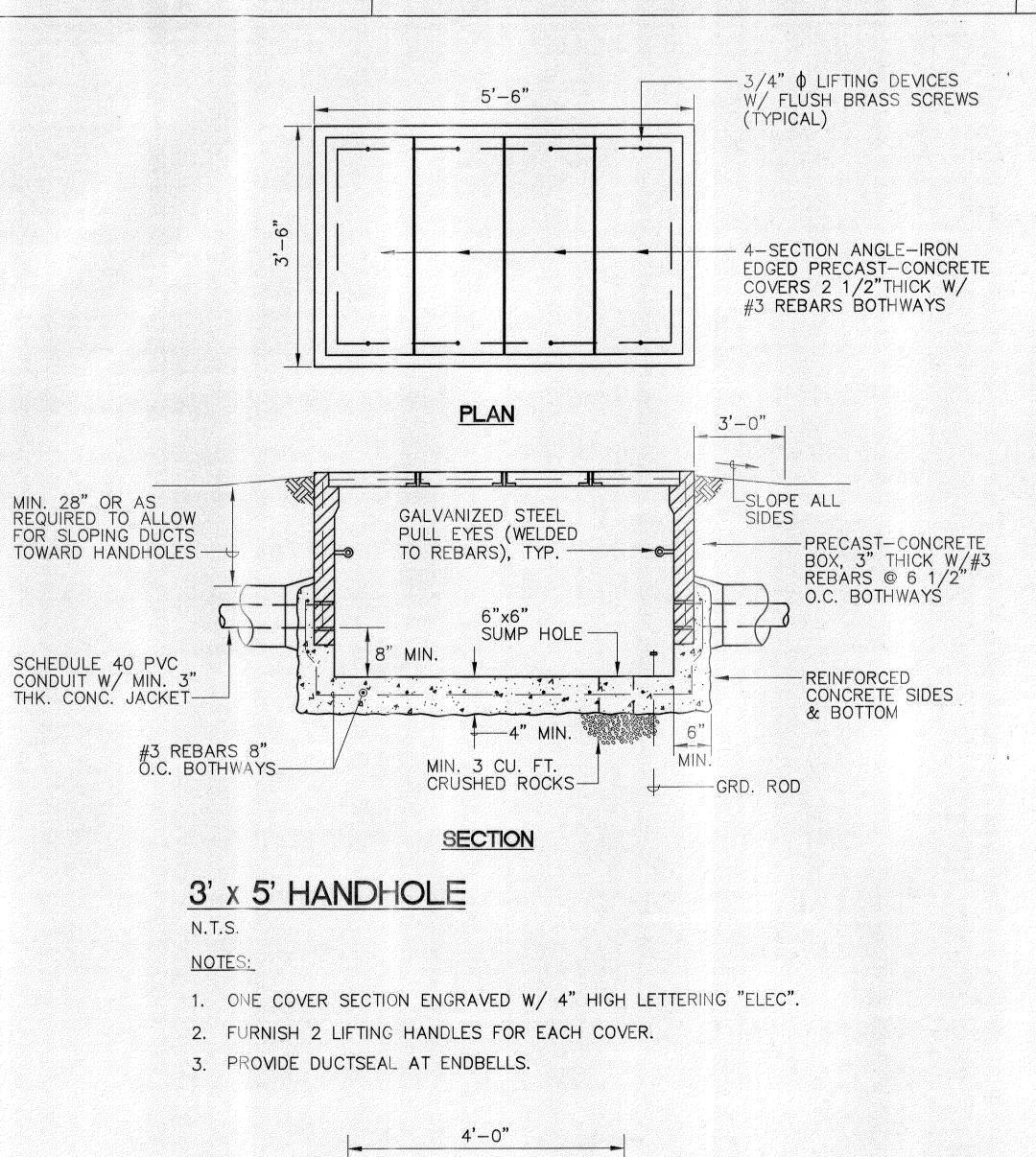
MOLOKAI BASEYARD MOLOKAI INDUSTRIAL PARK Project No. HWY-M-05-98

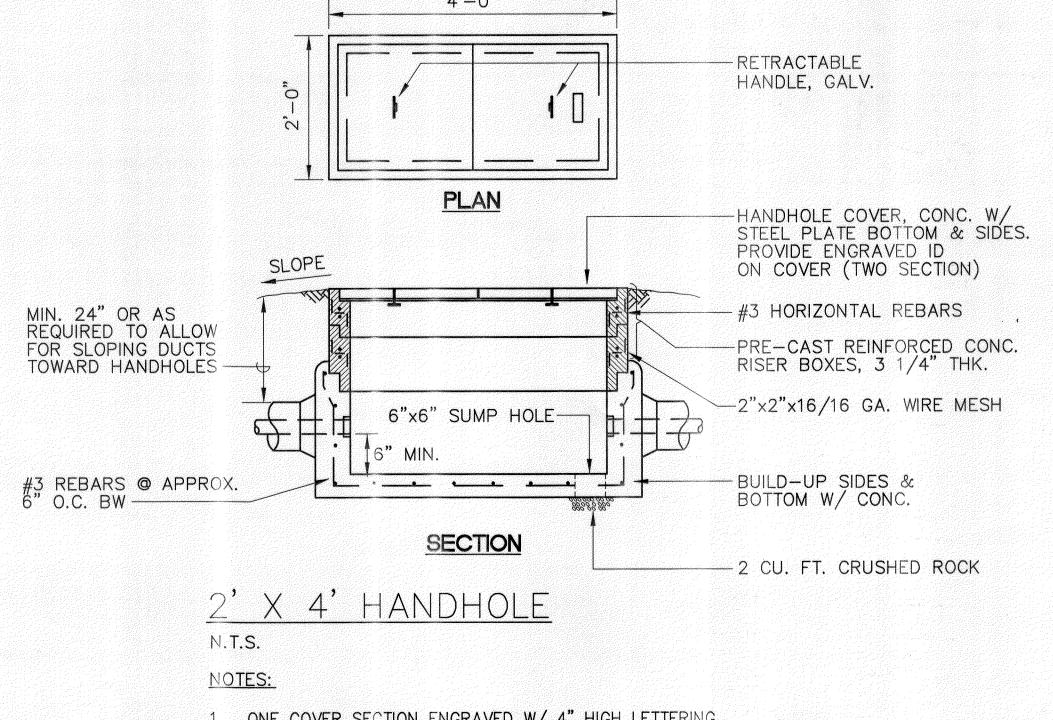
Scale: As Noted

Date: SEPT. 13, 2001

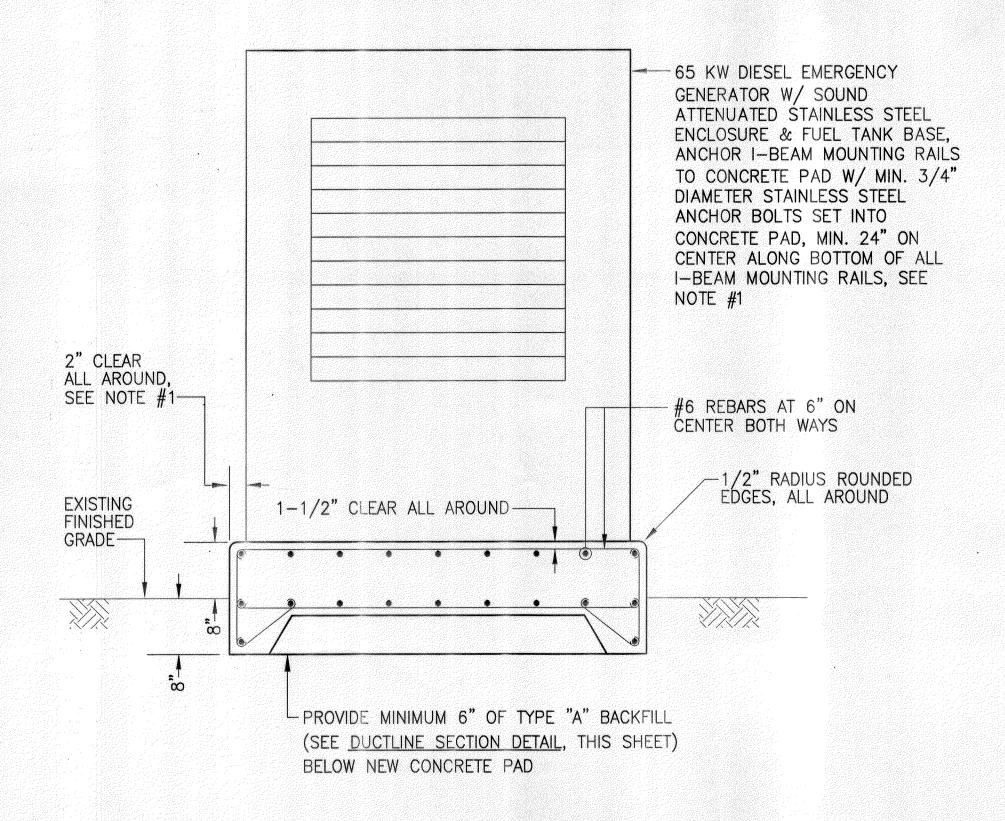
SHEET No. E4.2 OF E4.3 SHEETS

5....





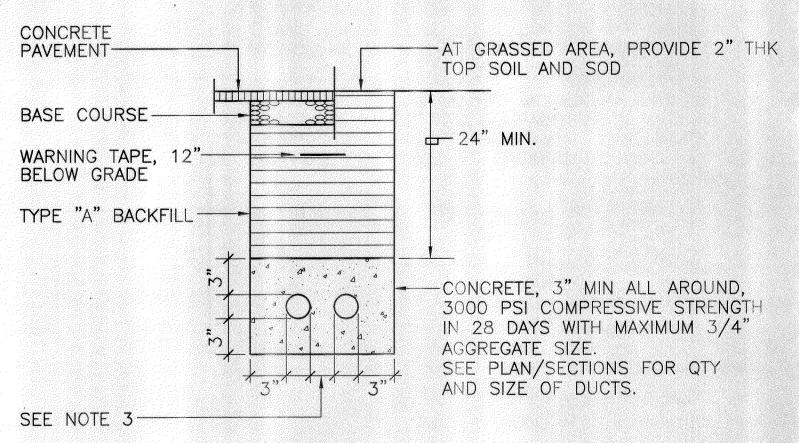
FED. ROAD DIST. NO. FISCAL SHEET NO. TOTAL SHEETS HAW. | HWY-M-05-98 | 2002 | 99



GENERATOR CONCRETE PAD DETAIL N.T.S.

NOTES:

- 1. VERIFY ALL DIMENSIONS WITH ACTUAL EQUIPMENT SUPPLIER/MANUFACTURER AND ADJUST ALL DIMENSIONS ACCORDINGLY.
- 2. COMPRESSIVE STRENGTH OF CONCRETE SHALL BE MINIMUM 3000 PSI IN 28 DAYS.
- 3. TOP OF CONCRETE PAD TO BE BROOM FINISH, TRUE AND LEVEL. OTHER EXPOSED SURFACES TO BE SMOOTH AND FREE FROM DEFECTS



TYPICAL DUCT SECTION

<u>NOTES</u>

- 1. ALL DUCTS SHALL BE SCHEDULE 40 PVC & PROVIDED WITH A POLYOLEFIN PULL LINE (JET LINE CAT. #232 OR EQUIVALENT).
- BACKFILL DATA

TYPE "A" BACKFILL: EARTH AND GRAVEL, MAXIMUM ROCK SIZE SHALL BE 1" AND THE MIXTURE SHALL CONTAIN NOT MORE THAN 50% BY VOLUME OF ROCK PARTICLES, 95% COMPACTION

TYPE "B" BACKFILL: EARTH AND GRAVEL, MIXTURE MUST PASS A 1/2" MESH SCREEN & CONTAIN NOT MORE THAN 20% BY VOLUME OF ROCK PARTICLES, 95% COMPACTION. IF MATERIAL AT BOTTOM OF TRENCH IS NOT TYPE "B", AN ADDITIONAL 3" SHALL BE EXCAVATED AND TYPE "B" BACKFILL PROVIDED

3. DUCT SEPARATION REQUIREMENTS (MINIMUM)

ELEC - ELEC ELEC - SIGNAL/COMM SIGNAL/COMM - SIGNAL/COMM

- 4. PERFORM A MANDREL TEST AFTER DUCTS ARE INSTALLED.
- 5. PAVEMENT AND/OR CONCRETE SIDEWALK RESTORATION SHALL BE EQUAL OR BETTER THAN ORIGINAL IN QUALITY AND THICKNESS.
- 6. WHERE GRASSED AREAS AND PLANTS HAVE BEEN DAMAGED DURING CONSTRUCTION, RESTORE THE AREAS TO AS CLOSE AS THEIR ORIGINAL CONDITION AS PRACTICABLE.
- 7. COMPLY WITH EIA/TIA 569 & UTILITY COMPANY REQUIREMENTS.



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION MISC. DETAILS

MOLOKAI BASEYARD MOLOKAI INDUSTRIAL PARK Project No. HWY-M-05-98

SHEET No. E4.3 OF E4.3 SHEETS

Scale: As Noted

Date: SEPT. 13, 2001

1. ONE COVER SECTION ENGRAVED W/ 4" HIGH LETTERING "TEL", "CATV" OR "TEL/CATV", AS APPLICABLE PER PLAN. 2. PROVIDE DUCTSEAL AT ENDBELLS.