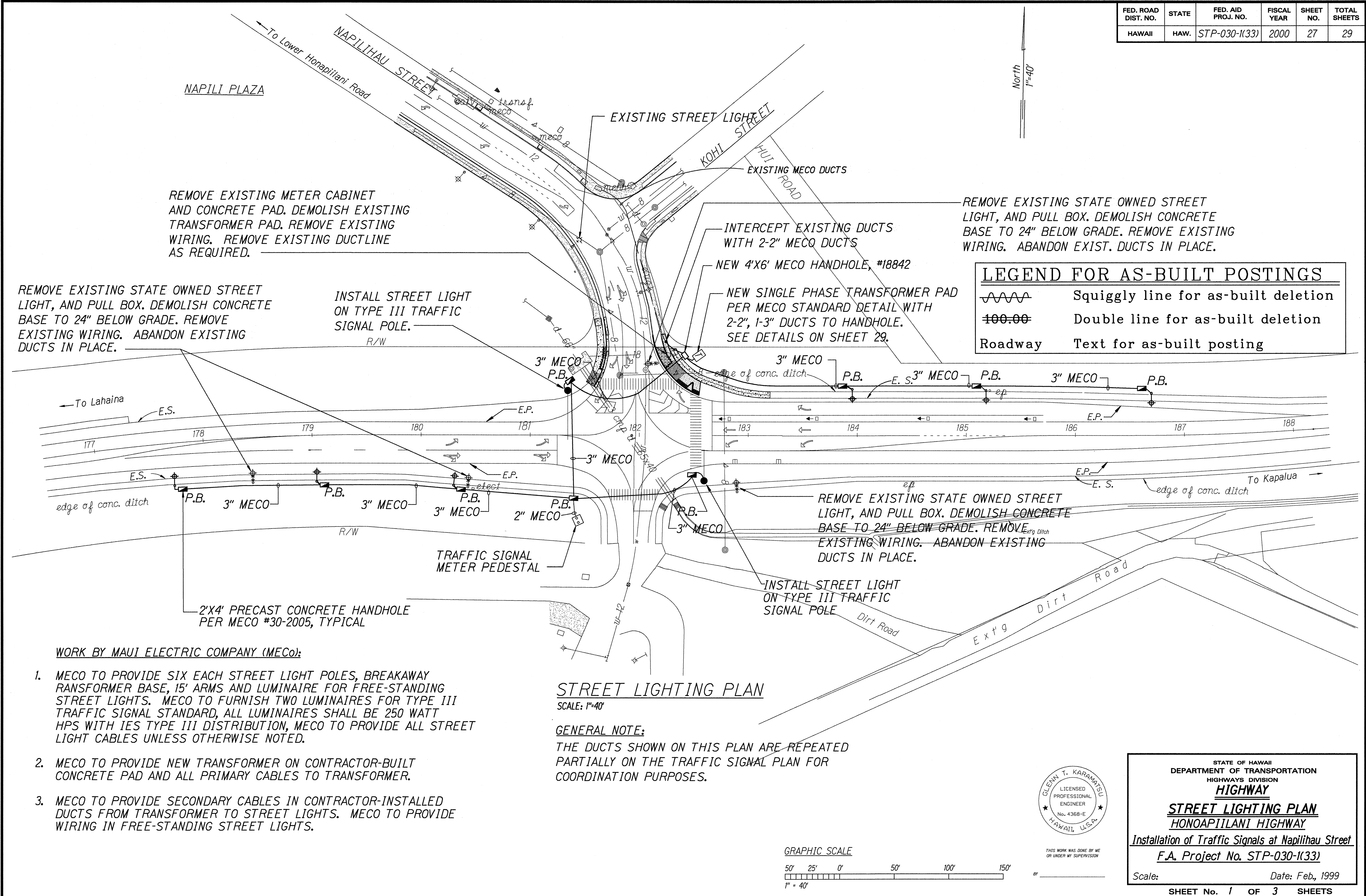
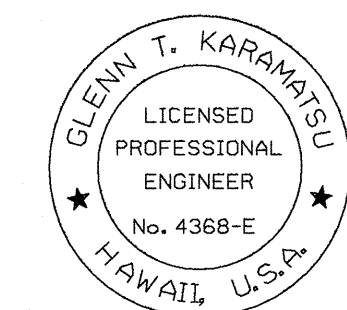


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-030-1(33)	2000	27	29



ORIGINAL PLAN	DATE
DESIGNED BY	02/99
CHECKED BY	
NOTED BY	
QUANTITIES BY	
BY	

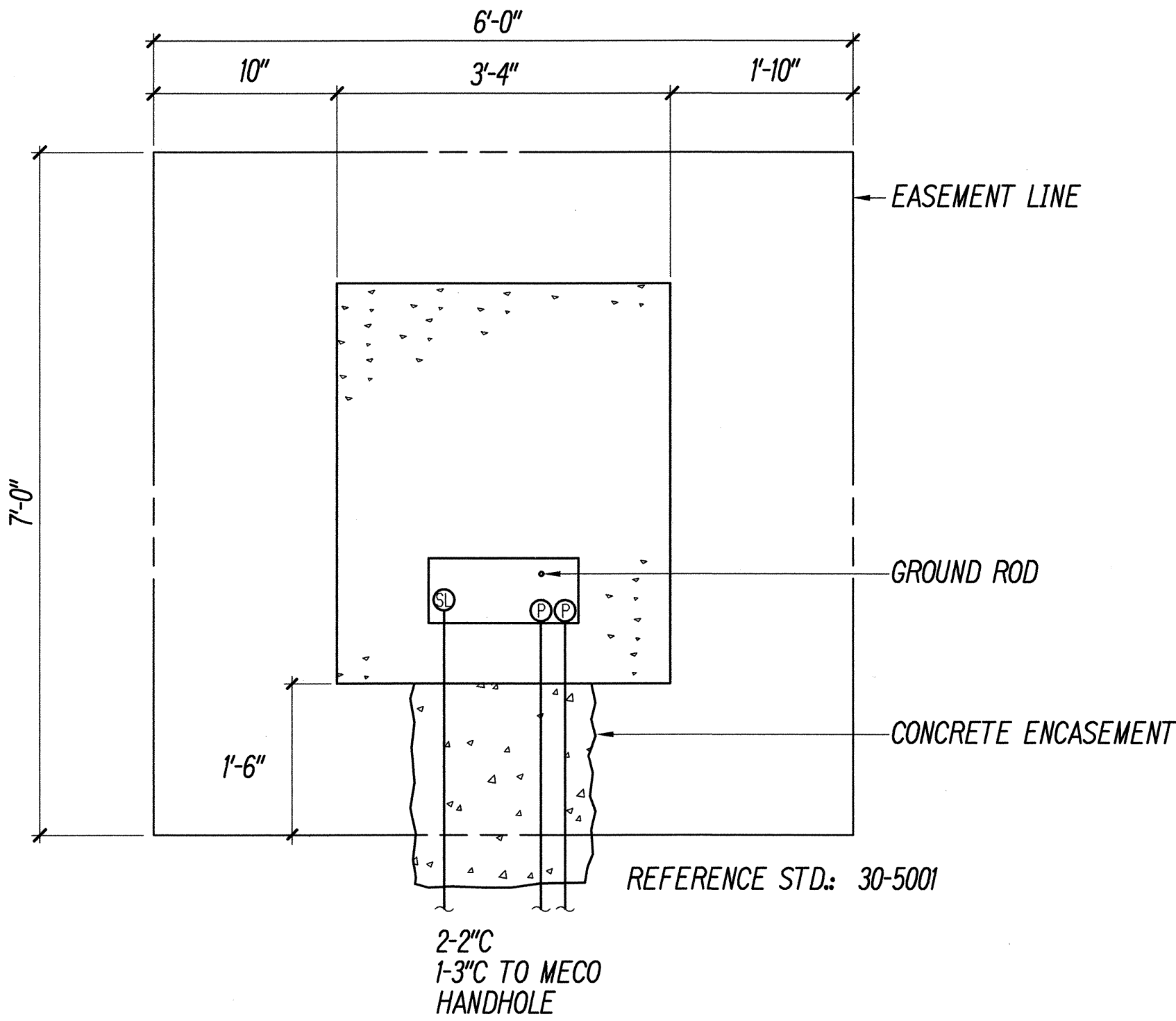


STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
HIGHWAY
STREET LIGHTING PLAN
HONOAPIILANI HIGHWAY
Installation of Traffic Signals at Napilihau Street
F.A. Project No. STP-030-1(33)

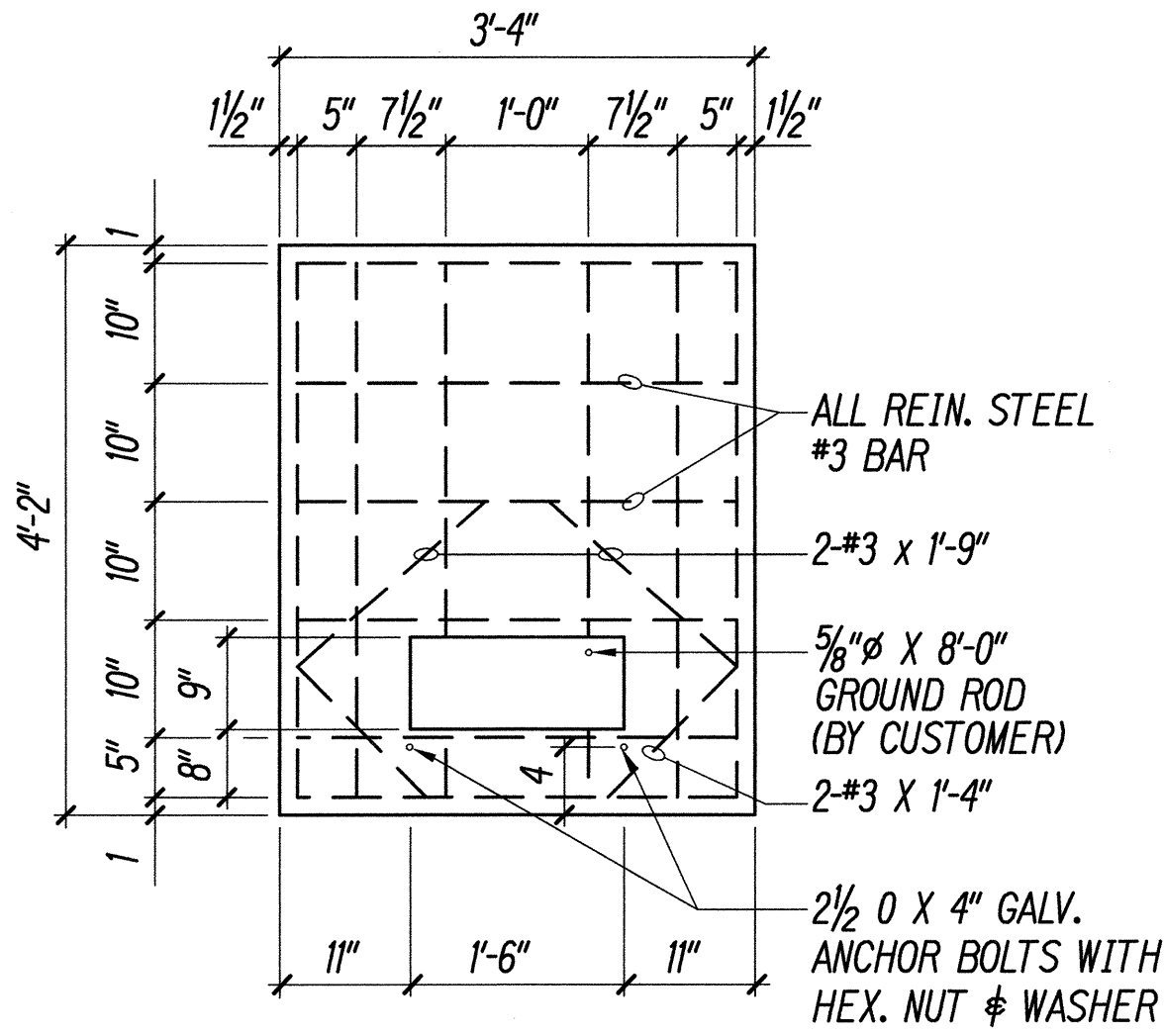
Scale:
Date: Feb., 1999

SHEET No. 1 OF 3 SHEETS

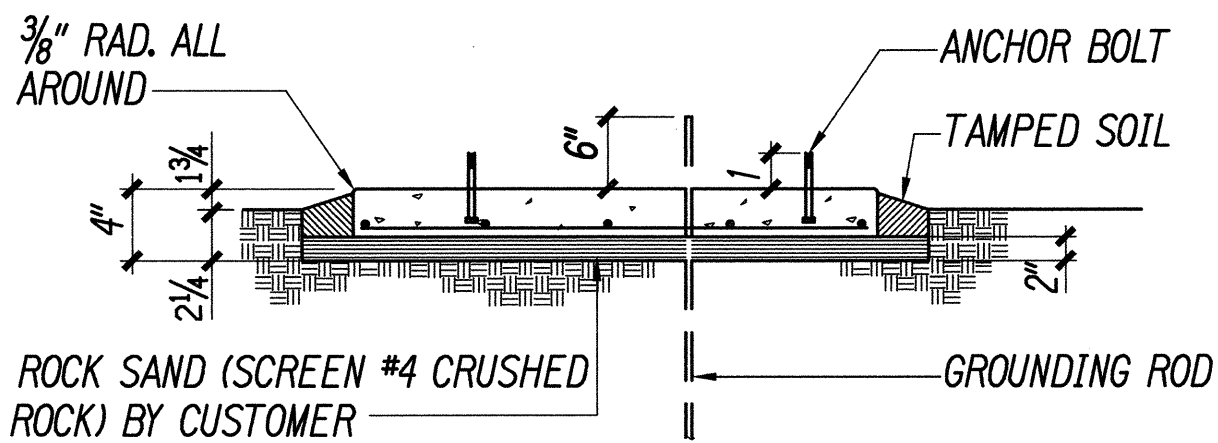
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-030-1(33)	2000	29	29



TRANSFORMER PAD/CONDUIT LAYOUT
NOT TO SCALE



PLAN PRECAST PAD
NOT TO SCALE

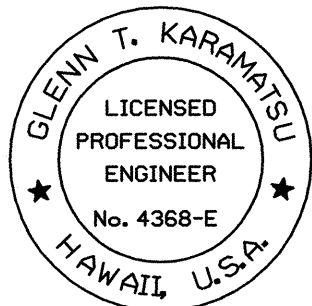


ELEVATION
NOT TO SCALE

TRANSFORMER PAD NOTES:

1. COMPRESSIVE STRENGTH OF CONCRETE SHALL BE 3,000 P.S.I. AT 28 DAYS
2. TOP OF PAD SHALL BE SMOOTH, TRUE, LEVEL AND OTHER EXPOSED SURFACES SHALL BE SMOOTH AND FREE FROM DEFECTS.
3. CONCRETE SHALL BE CURED BY APPROVED METHOD (ASTM A15)
4. REINFORCING BARS SHALL BE CLEAN DEFORMED BARS.
5. PRECAST PAD MADE BY AMERON, MAUI.
6. ALL ITEMS SHALL BE FURNISHED IN PLACE COMPLETE BY CUSTOMER.
7. PAD SITE SHALL BE GRADED AND COMPACTED. COMPACTION SHALL MEET THE REQUIREMENTS OF THE COUNTY OF MAUI "STANDARD SPECIFICATIONS FOR COMPACTING SIDEWALK AREA." THE HIGHER FRONT OR SIDEWALK CORNER SHALL MATCH THE ADJACENT SIDEWALK GRADE. SLOPE SHALL BE TOWARDS THE SIDEWALK OR ROAD, NOT EXCEEDING 1/2" PER FOOT.
8. AREA SURROUNDING THE TRANSFORMER SITE SHALL BE SUFFICIENTLY GRADED OR A SUITABLE RETAINING WALL BUILT TO PREVENT FAILURE FILLING IN THE LOT.
9. AN AREA 3'-8" X 4'-6" AND 2" DEEP SHALL BE EXCAVATED AFTER COMPACTION. THIS AREA SHALL BE FILLED WITH THE 2" BASE MATERIAL AND COMPACTED (SEE ELEVATION).

SURVEY PLOTTED BY	DATE
DRAWN BY	02/99
DESIGNED BY	02/99
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	



THIS WORK WAS DONE BY ME
OR UNDER MY SUPERVISION

by *Glen Karamisu*

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

HIGHWAY STREET LIGHTING NOTES

HONOAPIILANI HIGHWAY
Installation of Traffic Signals at Napilihau Street
F.A. Project No. STP-030-1(33)

Scale: None
Date: Feb., 1999

SHEET No. 3 OF 3 SHEETS