







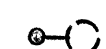
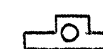
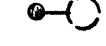





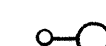
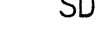

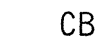

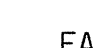


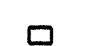
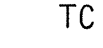

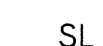



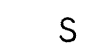

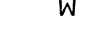
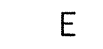
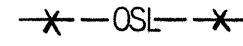
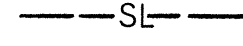
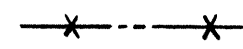
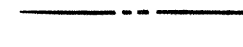



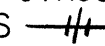
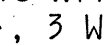

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-098-1(9)	1993	25	35

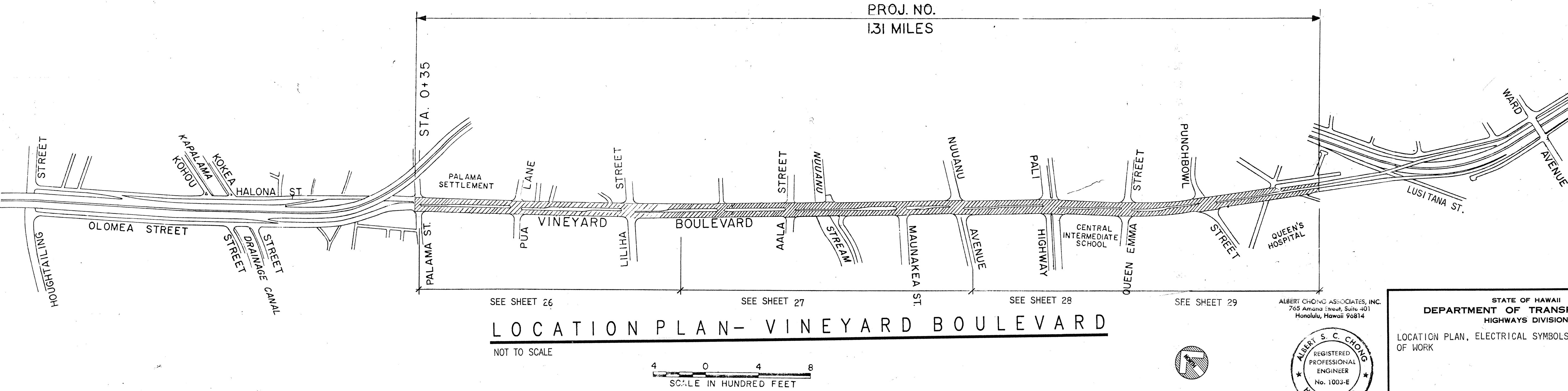
SCHEDULE OF WORK

- REMOVE EXISTING MERCURY VAPOR LUMINAIRE, BALLAST AND WIRING AS REQUIRED ON EXISTING AND POLE SHAFT. PROVIDE NEW 250 WATT HIGH PRESSURE SODIUM LUMINAIRE. REWIRE EXISTING POLE AND CONNECT TO NEW STREET LIGHT WIRING. SEE 
- REMOVE EXISTING MERCURY VAPOR LUMINAIRE AND WIRING FROM WOOD POLE DISCONNECT AND REMOVE EXISTING WIRING AND BALLASTS. PROVIDE NEW 250 WATT HIGH PRESSURE SODIUM LUMINAIRE AND WIRING.
- CUT OFF ENDS OF EXISTING STREET LIGHT WIRING IN POLE BASE COMPARTMENT AND ABANDON EXISTING CONDUIT AND WIRING.
- PROVIDE AND INSTALL NEW TYPE B PULLBOX. RESTORE EXISTING SIDEWALK OR GRADE TO ORIGINAL CONDITION. SEE 
- BREAK AND PATCH EXISTING STREET LIGHT PULLBOX FOR NEW CONDUITS. RESTORE EXISTING SIDEWALK OR GRADE TO ORIGINAL CONDITION.
- REMOVE EXISTING TEMPORARY OVERHEAD WIRING FOR STREET LIGHTS. REMOVE ANY BALLAST MOUNTED TO POLE OR IN POLE BASE COMPARTMENT NO LONGER REQUIRED.
- PROVIDE AND INSTALL NEW CONDUIT AND WIRING. RESTORE EXISTING SIDEWALK OR PAVEMENT TO ORIGINAL CONDITION. SEE 
- REMOVE EXISTING WIRING AND PROVIDE NEW WIRING IN EXISTING CONDUIT.
- PROVIDE NEW TRANSFORMER BASE COMPARTMENT COVER. VERIFY TYPE AND SIZE REQUIRED.
- PROVIDE AND INSTALL NEW TYPE A STREET LIGHT PULLBOX. RESTORE EXISTING SIDEWALK OR GRADE TO ORIGINAL CONDITION. SEE 
- DISCONNECT STEEL POLE FROM BASE AND REMOVE DAMAGED TRANSFORMER COMPARTMENT. PROVIDE NEW TRANSFORMER COMPARTMENT AND ANY ADDITIONAL HARDWARE REQUIRED TO COMPLETE INSTALLATION. VERIFY TYPE AND SIZE REQUIRED TO MATCH EXISTING POLE. RECONNECT POLE SHAFT TO NEW BASE. SEE 
- EXISTING UNDERGROUND STREET LIGHT WIRING TO BE REMOVED OR ABANDONED.
- PROVIDE NEW CONDUIT AND WIRING. BREAK AND PATCH EXISTING AC PAVEMENT AND CONCRETE CURB FOR NEW CONDUIT. SEE 
- DRILL AND PATCH CONCRETE BRIDGE RAILING FOR NEW CONDUIT.
- REMOVE EXISTING MERCURY VAPOR LUMINAIRE, BALLAST AND WIRING AS REQUIRED ON EXISTING STEEL POLE SHAFT. PROVIDE NEW 250 WATT HIGH PRESSURE SODIUM LUMINAIRE. REWIRE EXISTING POLE AND CONNECT TO NEW STREET LIGHT WIRING. SEE 
- PROVIDE EXPOSED WIRING ON SIDE OF BRIDGE RAILING, SEE 

ELECTRICAL SYMBOLS

EXIST	NEW	EXIST	NEW
	STEEL POLE WITH LUMINAIRE		STEEL POLE WITH LUMINAIRE AND TRAFFIC SIGNAL DEVICE
	WOOD POLE WITH LUMINAIRE		STORM DRAIN
	POLE GUY		FIRE HYDRANT
	EXISTING STEEL POLE. REPLACE EXISTING LUMINAIRE WITH NEW HPS LUMINAIRE		EXISTING UTILITY LINE. TYPE AS INDICATED. (WATER LINE INDICATED)
	EXISTING WOOD POLE. REPLACE EXISTING LUMINAIRE WITH NEW HPS LUMINAIRE		STORM DRAIN
	EXISTING STEEL POLE WITH TRAFFIC SIGNAL DEVICE. REPLACE EXISTING LUMINAIRE WITH NEW HPS LUMINAIRE		CATCH BASIN
	POLE MOUNTED TRANSFORMER		FIRE ALARM
	STREET LIGHT PULLBOX		TRAFFIC CONTROLLER
	PULLBOX OR HANDHOLE, TYPE AS INDICATED		STREET LIGHT
	MANHOLE, TYPE AS INDICATED		TRAFFIC SIGNAL
	PHOTO CELL		SEWER
			WATER
			ELECTRICAL
			TELEPHONE
			TELEVISION
			RIGID GALVANIZED STEEL
			TEMPORARY OVERHEAD WIRING FOR STREET LIGHTS TO BE REMOVED
			OVERHEAD STREET LIGHT WIRING
			WIRING IN RACEWAY BELOW GRADE TO BE REMOVED OR ABANDONED
			WIRING IN EXISTING RACEWAY BELOW GRADE
			WIRING IN RACEWAY BELOW GRADE

- NOTES:
- ANY CIRCUIT WITH NO FURTHER DESIGNATION INDICATES A TWO WIRE CIRCUIT. CIRCUITS WITH ADDITIONAL WIRES ARE INDICATED AS FOLLOWS , 3 WIRES, , 4 WIRES, ETC.
 -  INDICATES GROUNDING CONDUCTOR ELECTRICAL CODE ARTICLE 250.

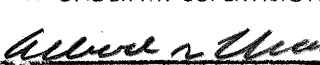


SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
NOTED BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	

ALBERT CHONG ASSOCIATES, INC.
765 Arima Street, Suite 401
Honolulu, Hawaii 96814

ALBERT S. C. CHONG
REGISTERED PROFESSIONAL ENGINEER
No. 1003-E
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME
UNDER MY SUPERVISION



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LOCATION PLAN, ELECTRICAL SYMBOLS AND SCHEDULE OF WORK

HIGHWAY LIGHTING IMPROVEMENTS AND REHABILITATION
VINEYARD BOULEVARD
PALAMA STREET TO PUNCH BOWL STREET

SHEET NO. 25 OF 35 SHEETS