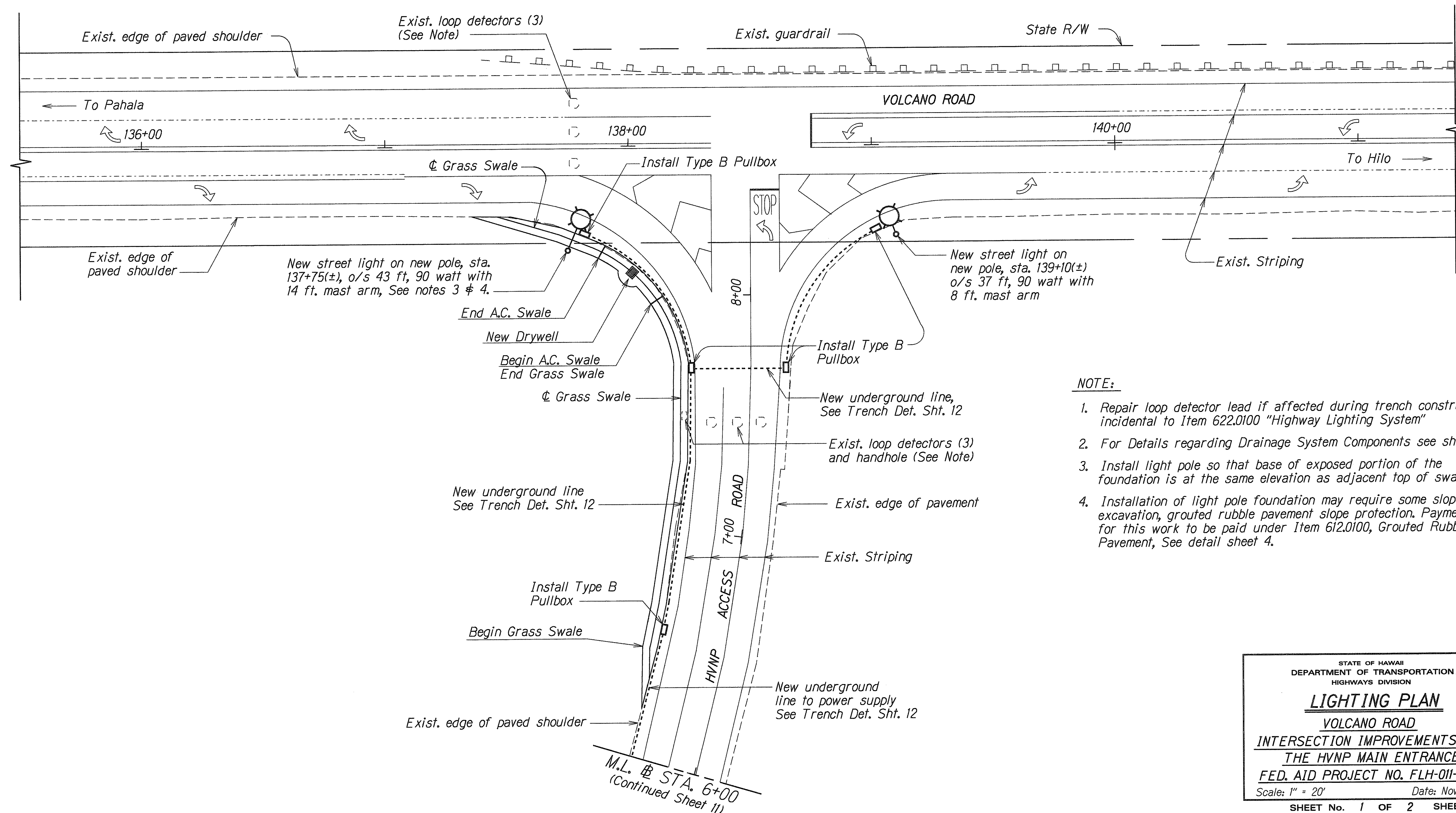


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	FLH-011-2(34)	2001	10	13

TRUE NORTH
SCALE: 1" = 20'



NOTE:

1. Repair loop detector lead if affected during trench construction incidental to Item 622.0100 "Highway Lighting System"
2. For Details regarding Drainage System Components see sheet 6.
3. Install light pole so that base of exposed portion of the foundation is at the same elevation as adjacent top of swale.
4. Installation of light pole foundation may require some slope excavation, grouted rubble pavement slope protection. Payment for this work to be paid under Item 612.0100, Grouted Rubble Pavement, See detail sheet 4.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LIGHTING PLAN

VOLCANO ROAD

INTERSECTION IMPROVEMENTS FOR THE HVNP MAIN ENTRANCE

FED. AID PROJECT NO. FLH-011-2(34)

Scale: 1" = 20' Date: Nov., 1999

SHEET No. 1 OF 2 SHEETS

ORIGINAL PLAN	DATE
SURVEY LOCATED BY	
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

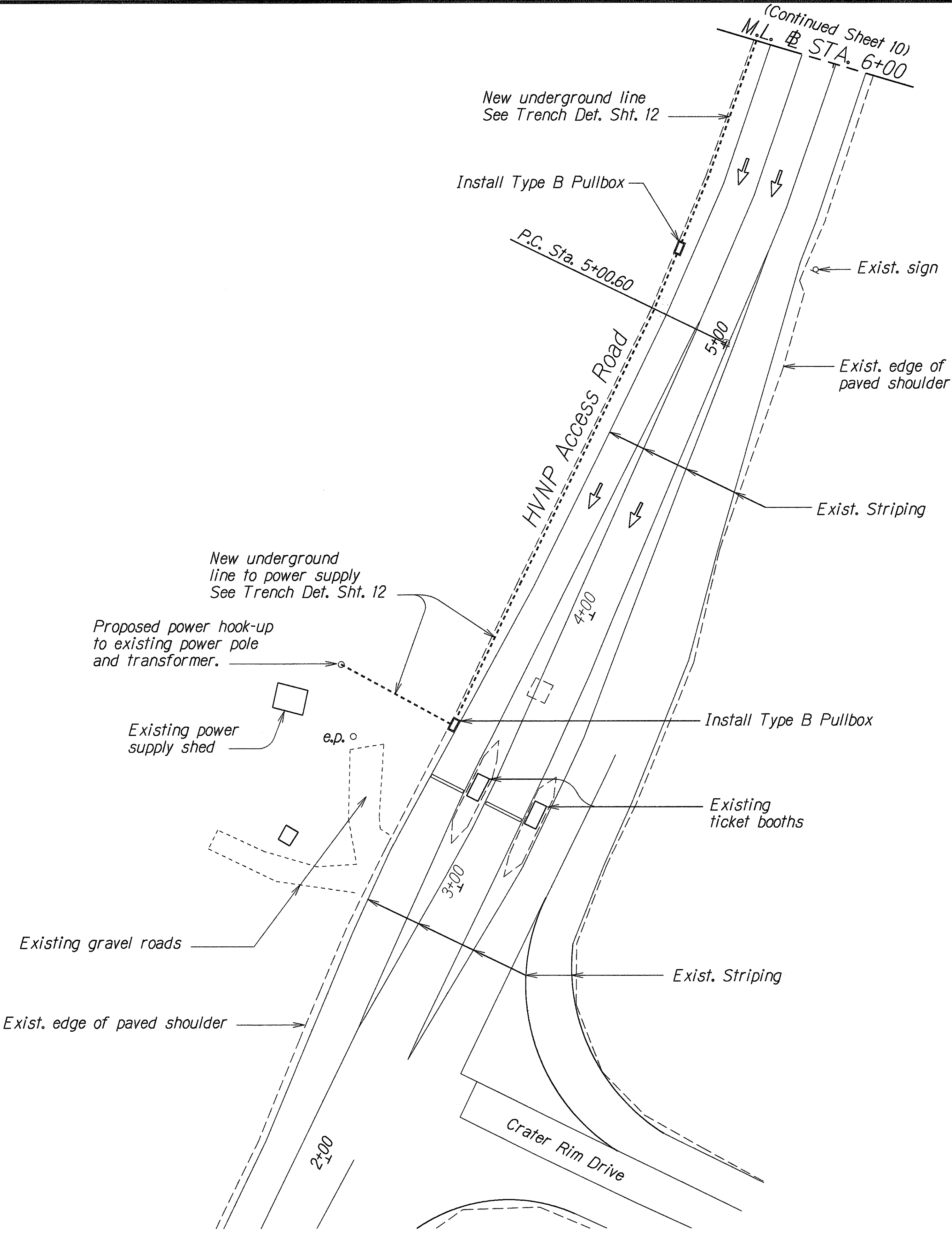
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	FLH-011-2(34)	2001	11	13

ITEM 622.0100 HIGHWAY LIGHTING SYSTEM		
ITEM DESCRIPTION	UNIT	QUANTITY
Roadway Excavation	C.Y.	185
Trench Backfill	C.Y.	55
Base Course	C.Y.	35
Subbase Course	C.Y.	50
Asphalt Concrete Mix V	Ton	44
Concrete for Casement	C.Y.	40
Luminaire (90 watt) Low Pressure Sodium	Each	2
Light Mast	Each	2
Light Standard	Each	2
Foundation	Each	2
3" Conduit, PVC Sched. 80	L.F.	1,416
Cable	L.F.	710
Type B Pullbox	Each	7
Electric Service Drop and Hookup	Each	1

NOTE:

1. Payment for highway lighting system shall be made on a lump sum basis under Item No. 622.0100, Highway Lighting System. Payment shall be considered full compensation for all labor, equipment, materials and incidentals needed to complete the work in accordance with the Contract Plans and Specifications.
2. Power hook up shall be done by the Contractor. All activities and cost to do so shall be paid for by the Contractor. The cost for the work shall be incidental to Item No. 622.0100, Highway Lighting System.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
LIGHTING PLAN
VOLCANO ROAD
INTERSECTION IMPROVEMENTS FOR
THE HVNP MAIN ENTRANCE
FED. AID PROJECT NO. FLH-011-2(34)
Scale: 1" = 20' Date: Nov., 1999
SHEET No. 2 OF 2 SHEETS



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
hel	CHECKED BY	
Nov 22 2000		