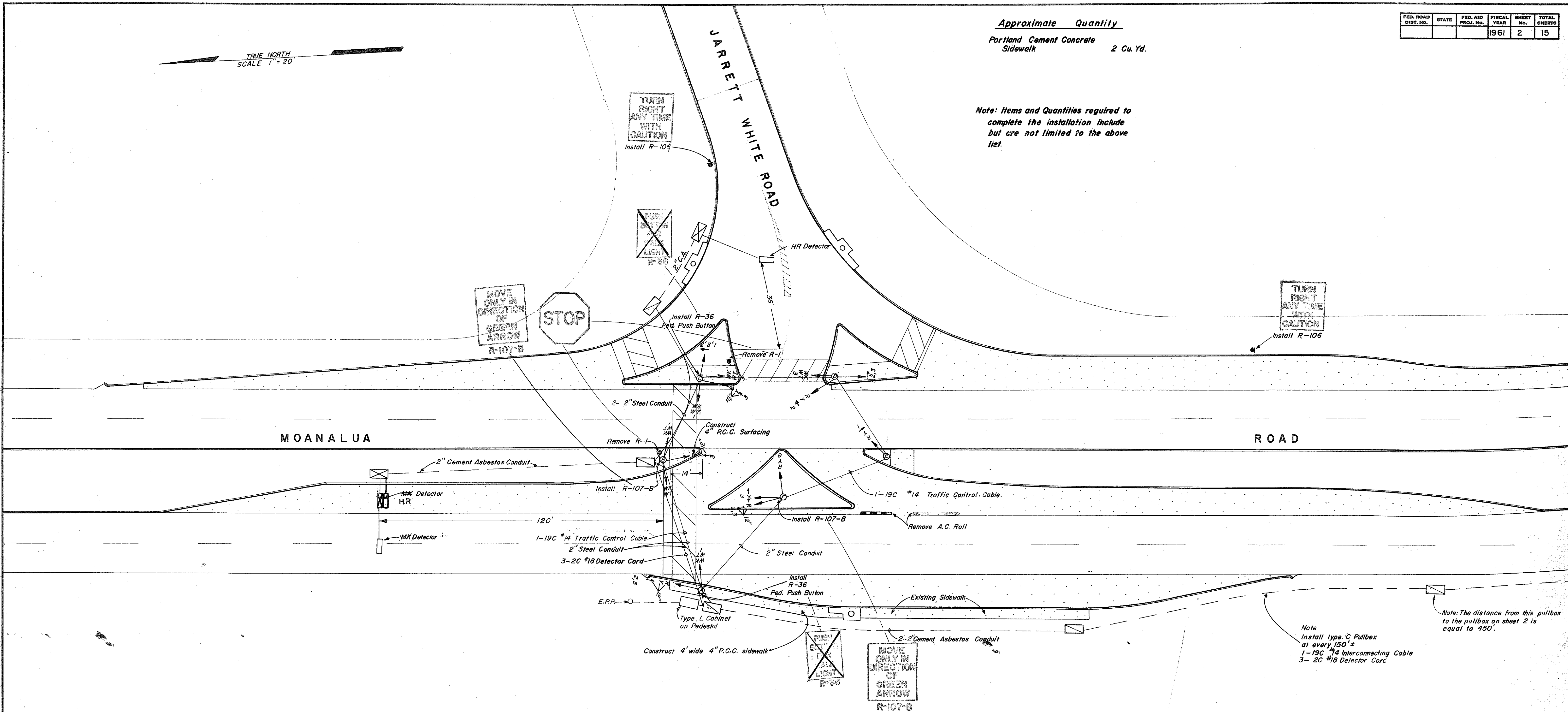


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
			1961	2	15

Approximate Quantity
Portland Cement Concrete Sidewalk 2 Cu. Yd.

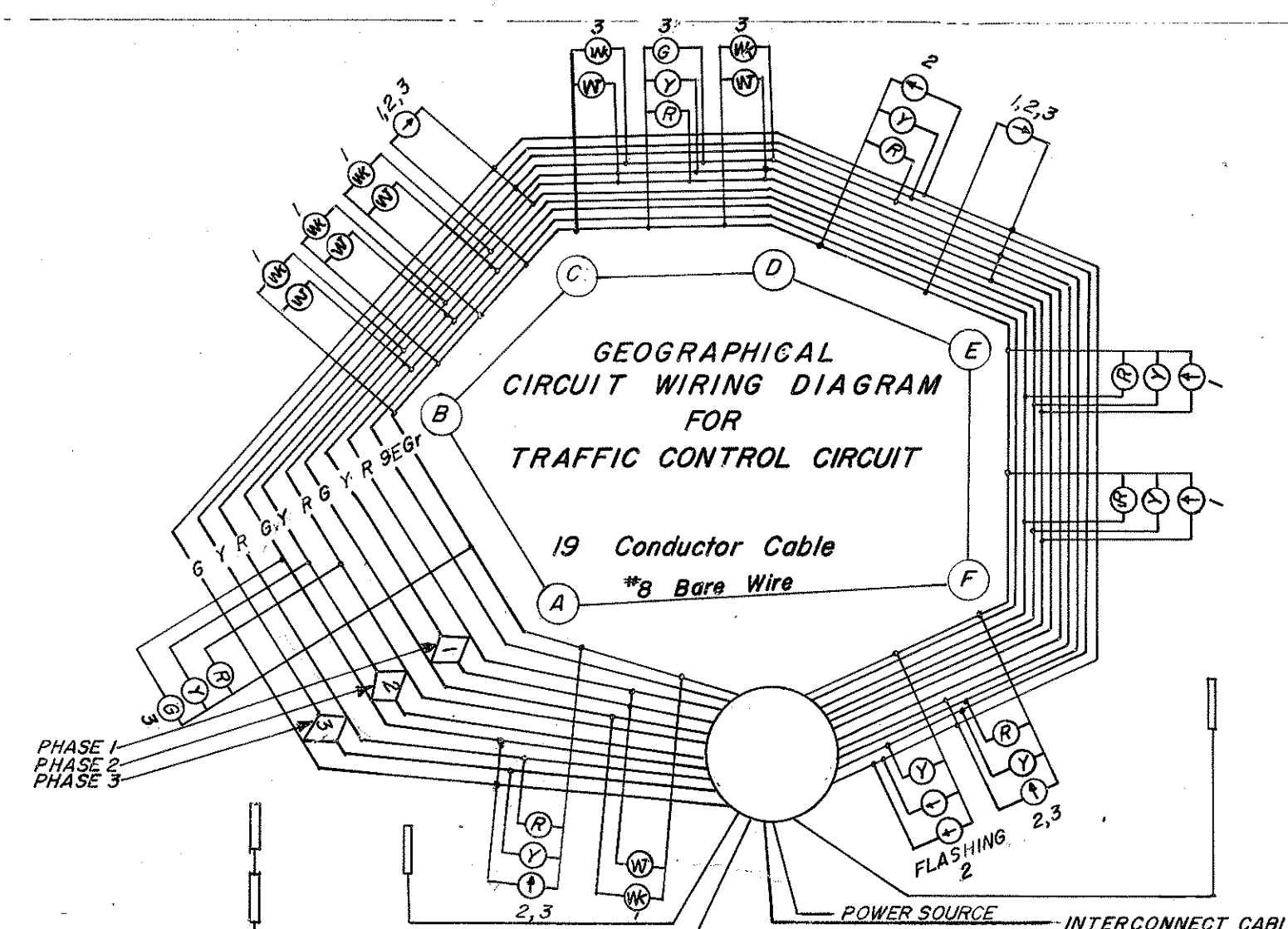
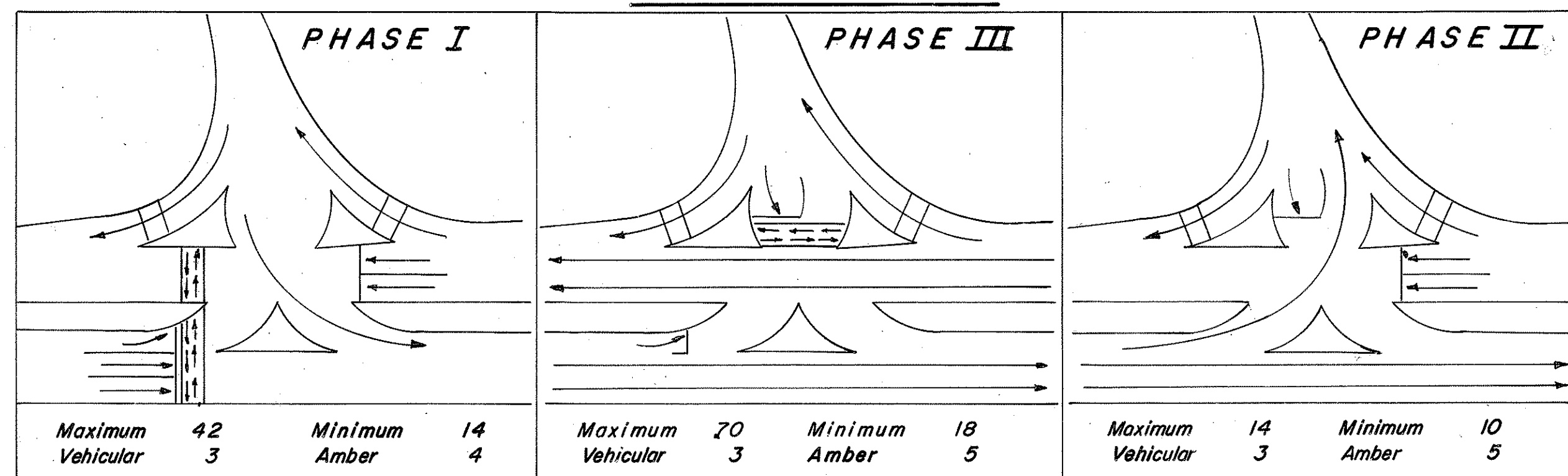
Note: Items and Quantities required to complete the installation include but are not limited to the above list.



Note:
Install type C Pullbox at every 150'±
1-19C #14 Interconnecting Cable
3-2C #18 Detector Cord

Note: The distance from this pullbox to the pullbox on sheet 2 is equal to 450'.

PHASE DIAGRAMS



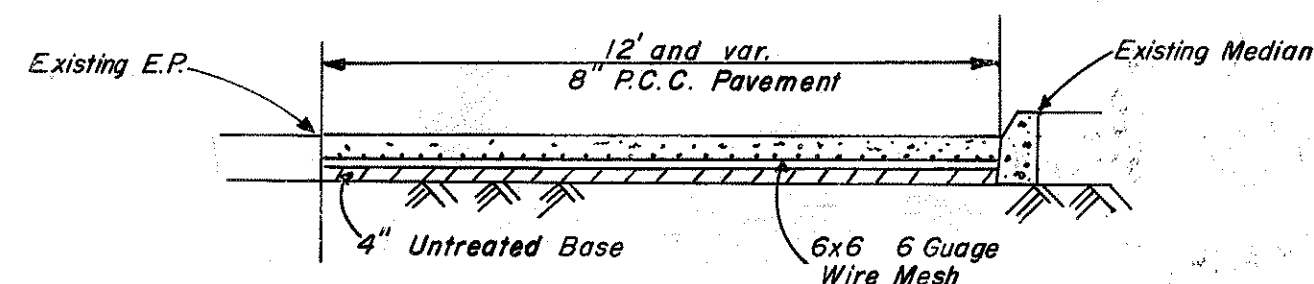
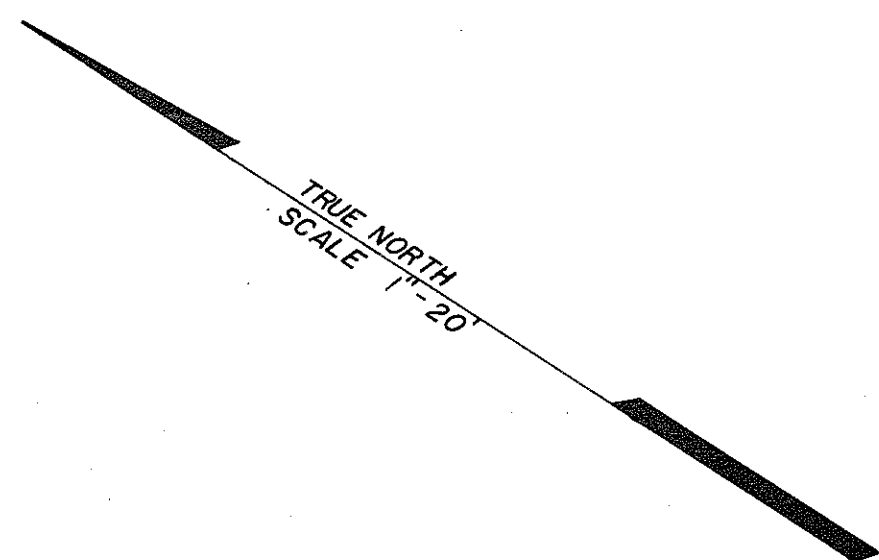
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
INSTALLATION OF
TRAFFIC SIGNALS
MOANALUA ROAD
AT
JARRETT WHITE ROAD

SHEET No. 1 OF 4 SHEETS

A 720-01-61

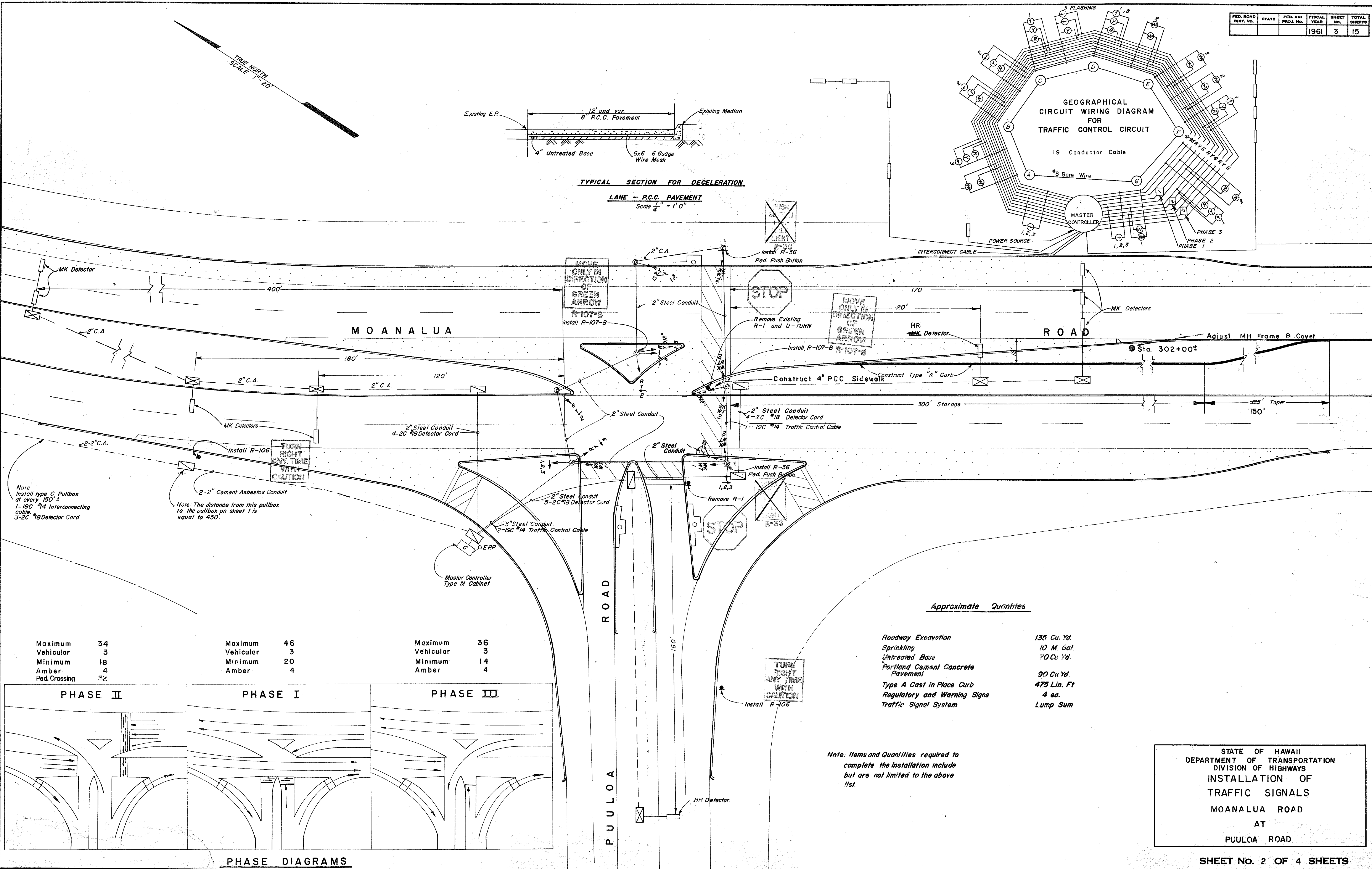
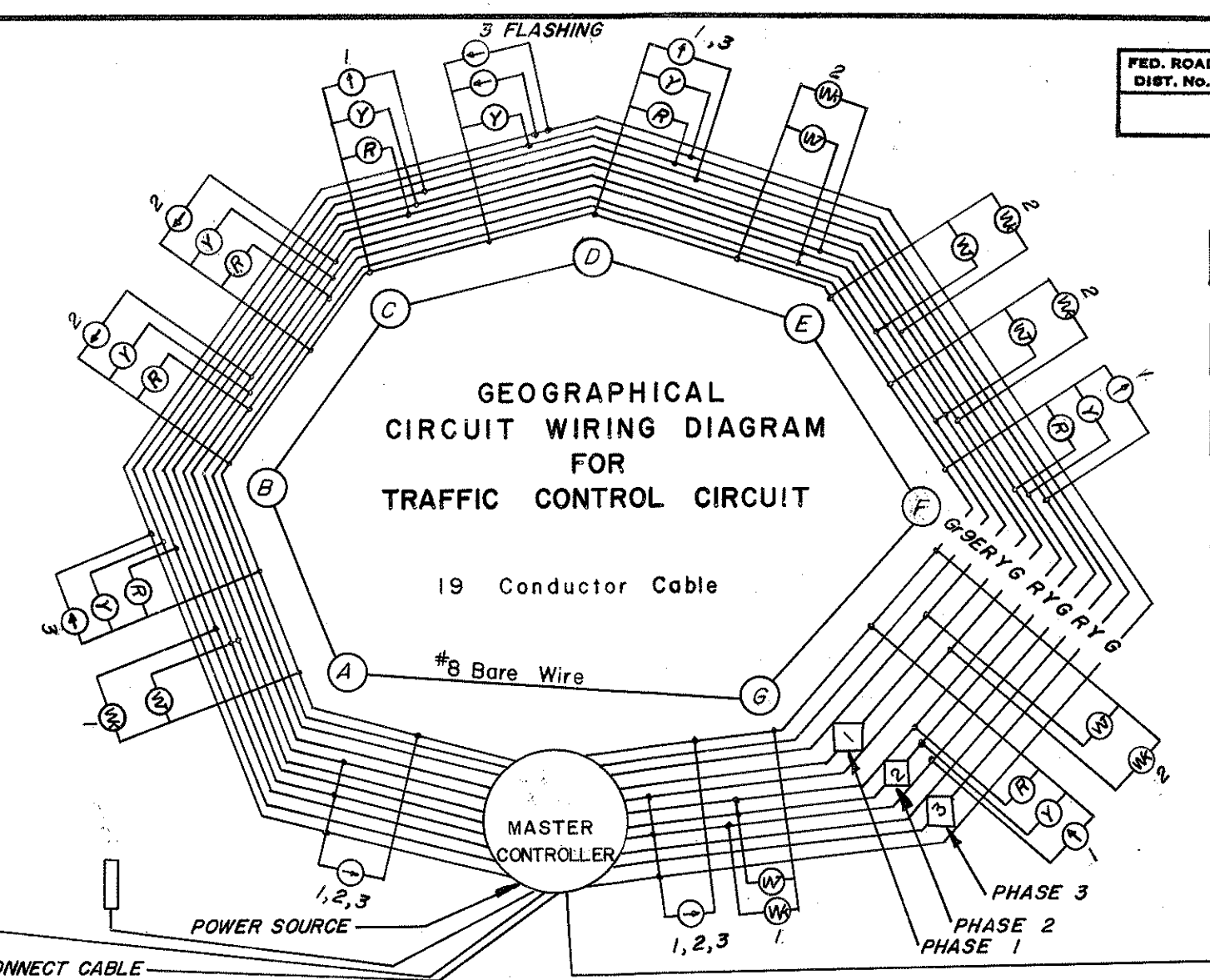
(2)

SURVEY PLOTTED BY	DATE
DESIGNED BY	
TRACED BY	
QUANTITIES CHECKED BY	
NOTE BOOK NO.	



TYPICAL SECTION FOR DECELERATION

LANE - P.C.C. PAVEMENT
Scale $\frac{1}{4}'' = 1' 0''$



Approximate Quantities

Roadway Excavation	135 Cu. Yd.
Sprinkling	10 M. Gal
Untreated Base	70 Cu. Yd.
Portland Cement Concrete Pavement	90 Cu. Yd.
Type A Cast in Place Curb	475 Lin. Ft.
Regulatory and Warning Signs	4 ea.
Traffic Signal System	Lump Sum

Note: Items and Quantities required to complete the installation include but are not limited to the above list.

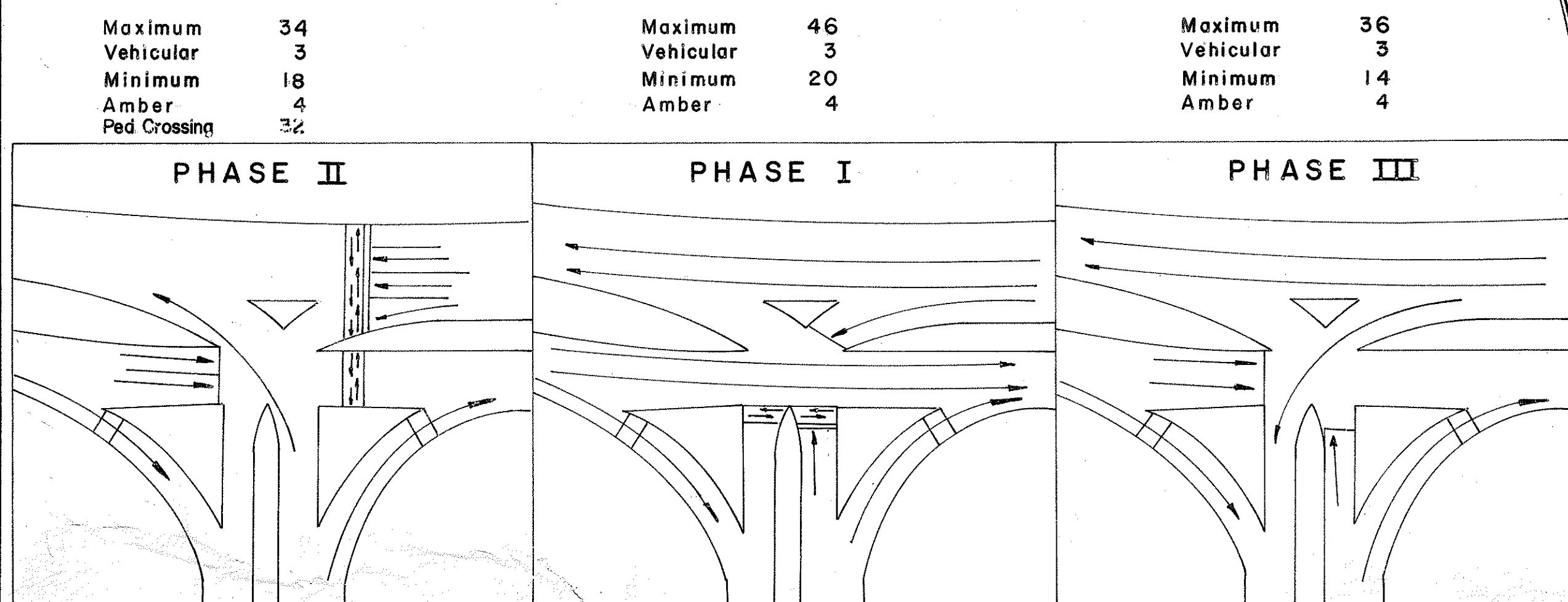
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
INSTALLATION OF
TRAFFIC SIGNALS
MOANALUA ROAD
AT
PUULOA ROAD

SHEET No. 2 OF 4 SHEETS

A 720-02-61

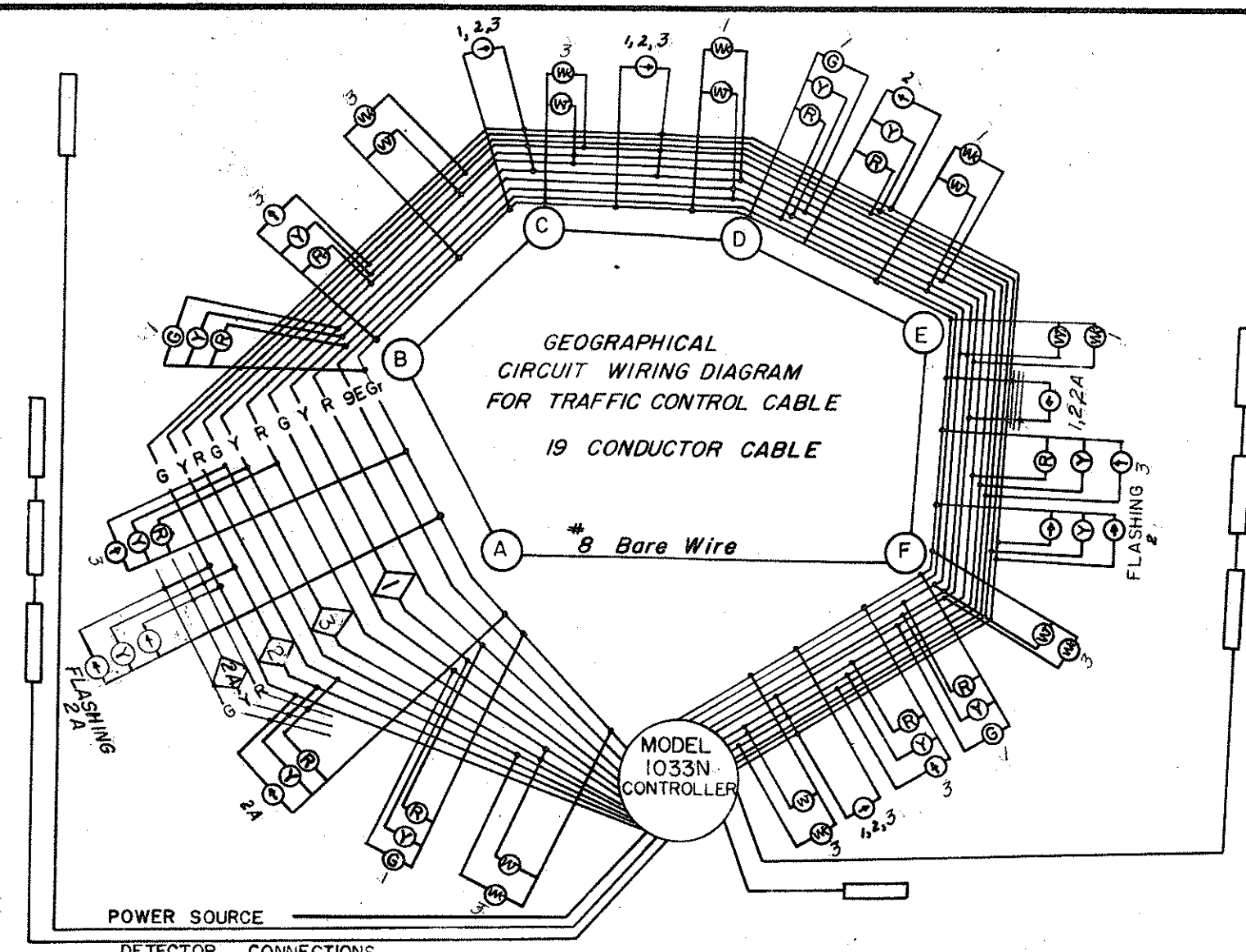
(3)

PHASE DIAGRAMS



Maximum Vehicular	34	Maximum Vehicular	46	Maximum Vehicular	36
Minimum Vehicular	18	Minimum Vehicular	20	Minimum Vehicular	14
Amber	4	Amber	4	Amber	4
Ped Crossing	32				

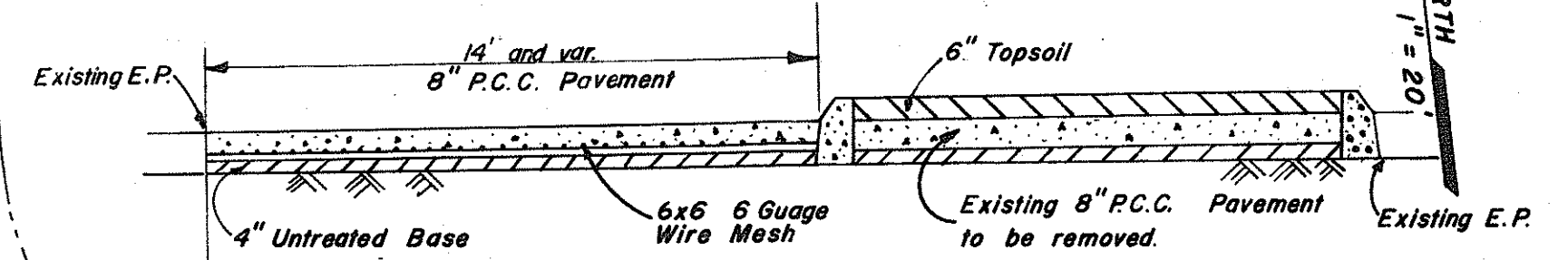
DESIGNED BY	DATE
TRACED BY	
QUANTITIES BY	
CHECKED BY	
NOTE BOOK No.	



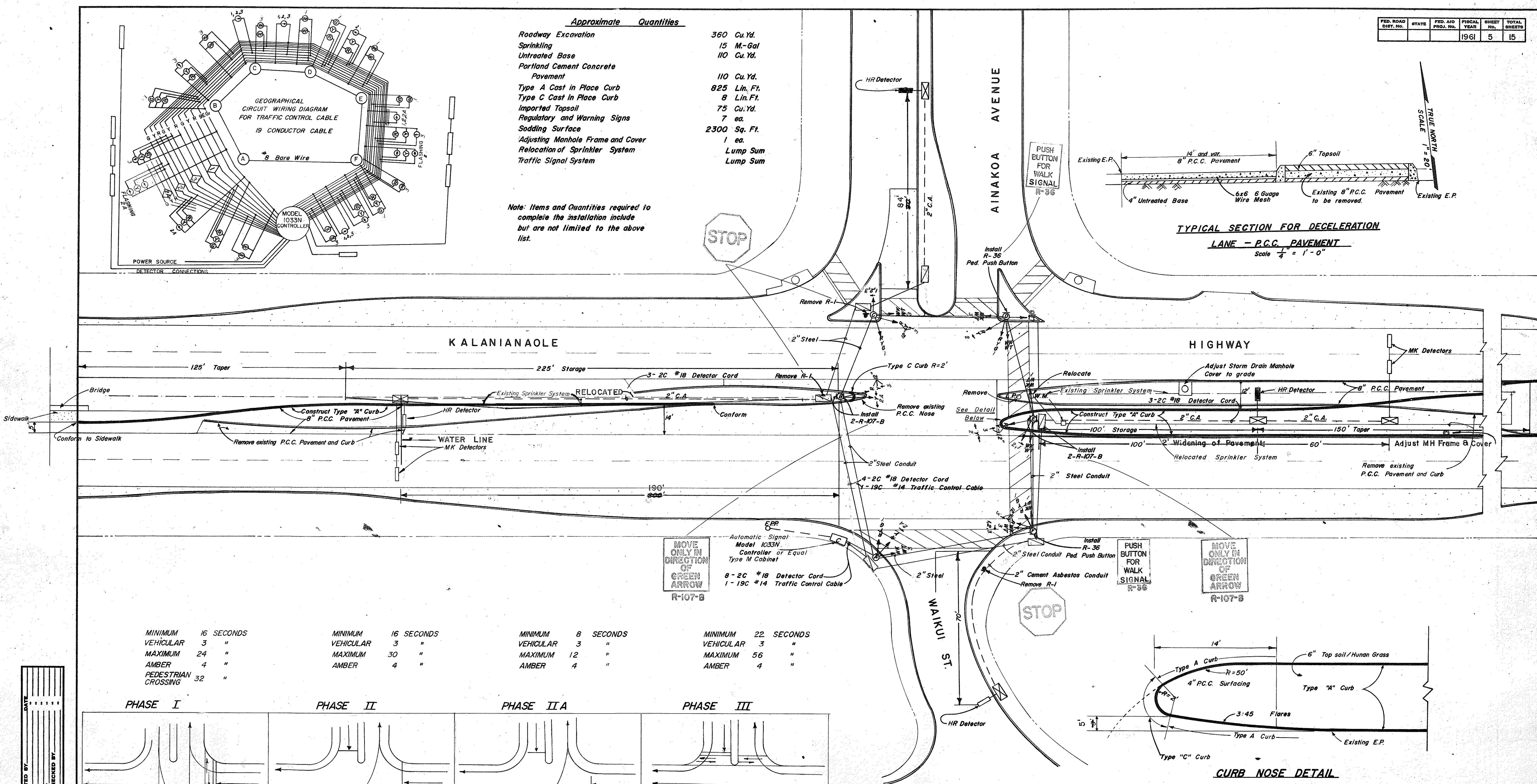
Approximate Quantities

Roadway Excavation	360 Cu. Yd.
Sprinkling	15 M-Gal
Untreated Base	110 Cu. Yd.
Portland Cement Concrete Pavement	110 Cu. Yd.
Type A Cast in Place Curb	825 Lin. Ft.
Type C Cast in Place Curb	8 Lin. Ft.
Imported Topsoil	75 Cu. Yd.
Regulatory and Warning Signs	7 ea.
Sodding Surface	2300 Sq. Ft.
Adjusting Manhole Frame and Cover	1 ea.
Relocation of Sprinkler System	Lump Sum
Traffic Signal System	Lump Sum

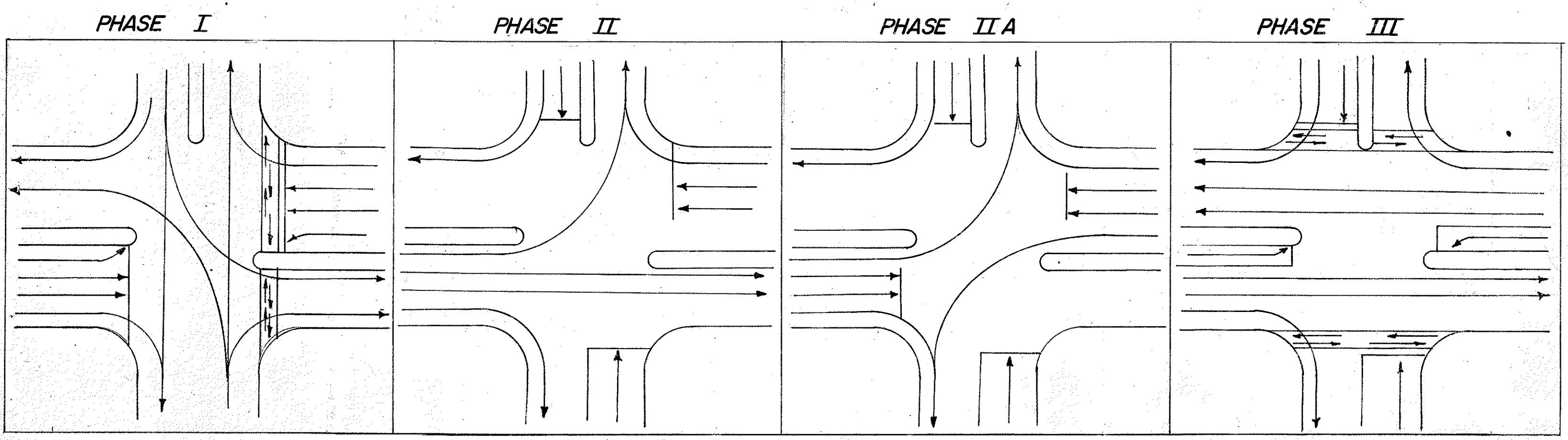
Note: Items and Quantities required to complete the installation include but are not limited to the above list.



TYPICAL SECTION FOR DECELERATION LANE - P.C.C. PAVEMENT
Scale 1/4" = 1' - 0"



MINIMUM	16 SECONDS	MINIMUM	16 SECONDS	MINIMUM	8 SECONDS	MINIMUM	22 SECONDS
VEHICULAR	3 "	VEHICULAR	3 "	VEHICULAR	3 "	VEHICULAR	3 "
MAXIMUM	24 "	MAXIMUM	30 "	MAXIMUM	12 "	MAXIMUM	56 "
AMBER	4 "	AMBER	4 "	AMBER	4 "	AMBER	4 "
PEDESTRIAN CROSSING	32 "						

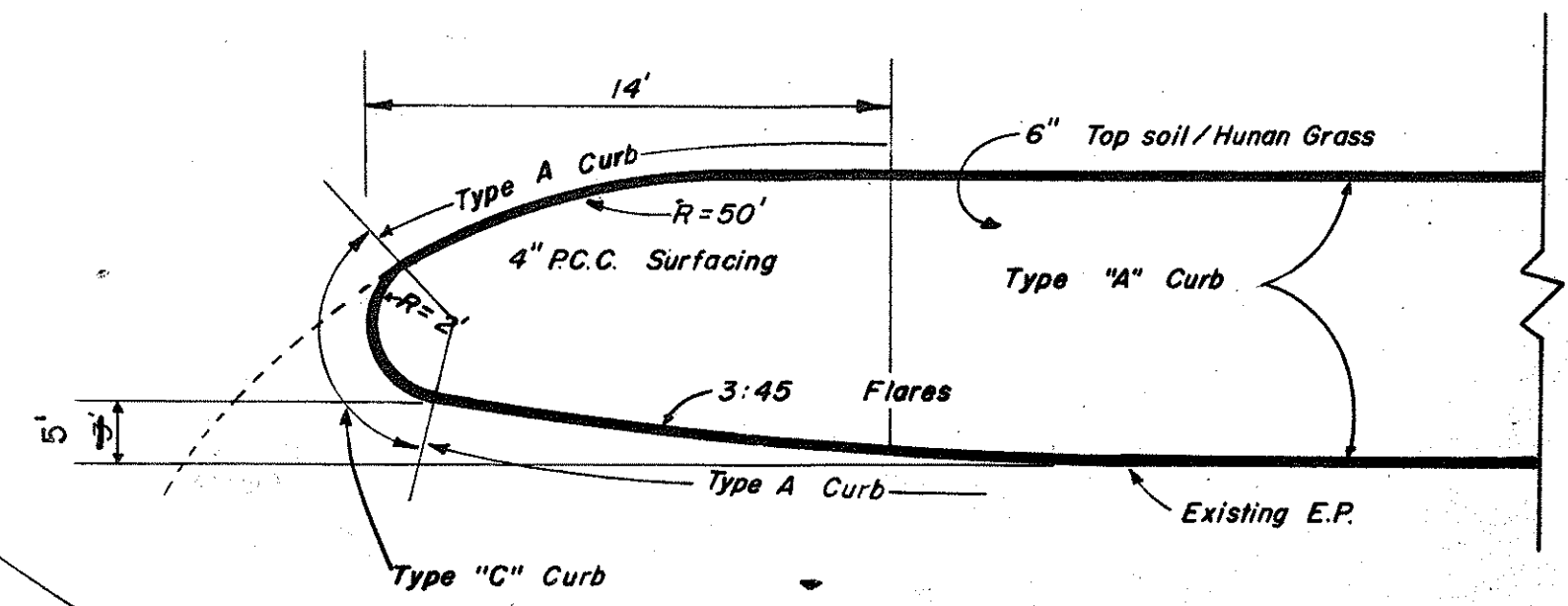


PHASE DIAGRAMS

GENERAL NOTES

1. Exact location of Traffic Light Standards, Controller Base, and Pullboxes shall be determined in the field by the Engineer.
2. All pavement markings to be done by others.

CURB NOSE DETAIL



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
**INSTALLATION OF
TRAFFIC SIGNALS**
KALANIANA'OLE HIGHWAY
AT
AINAKOA AVE. & WAIKUI ST.

DESIGNED BY: _____
DRAWN BY: _____
CHECKED BY: _____
DATE: _____