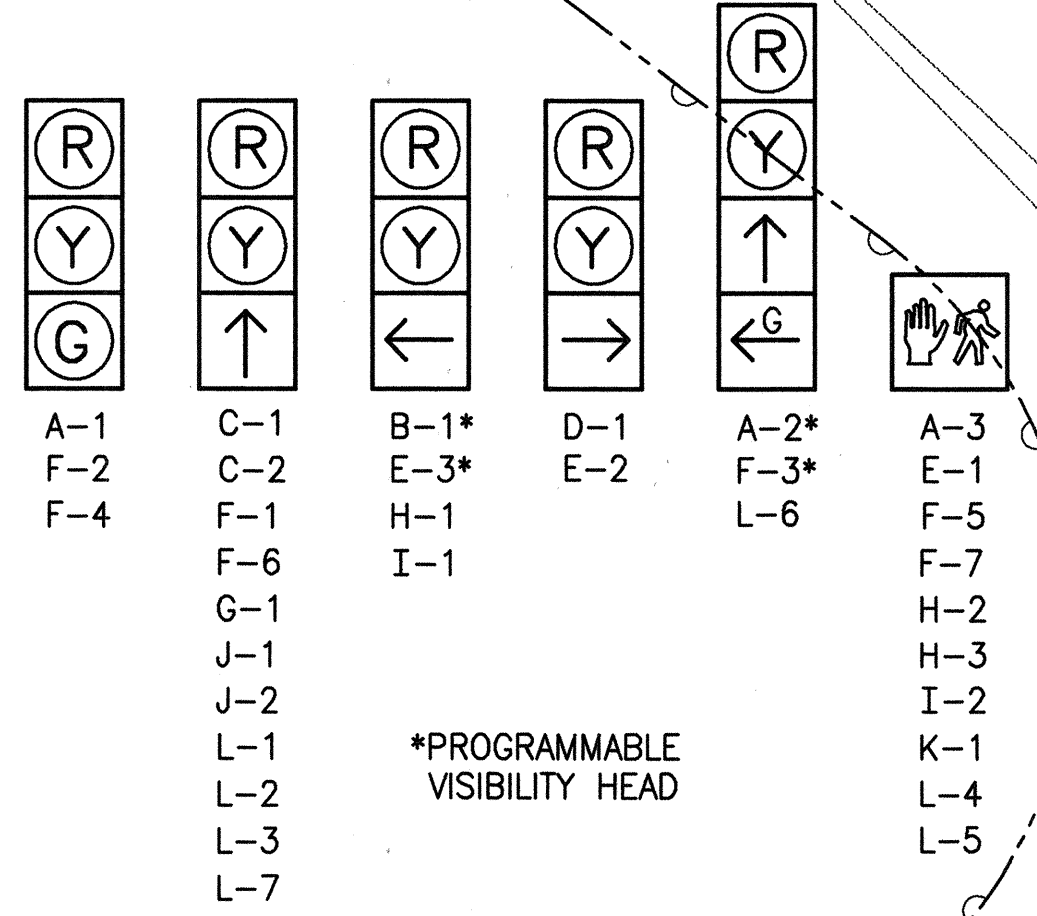


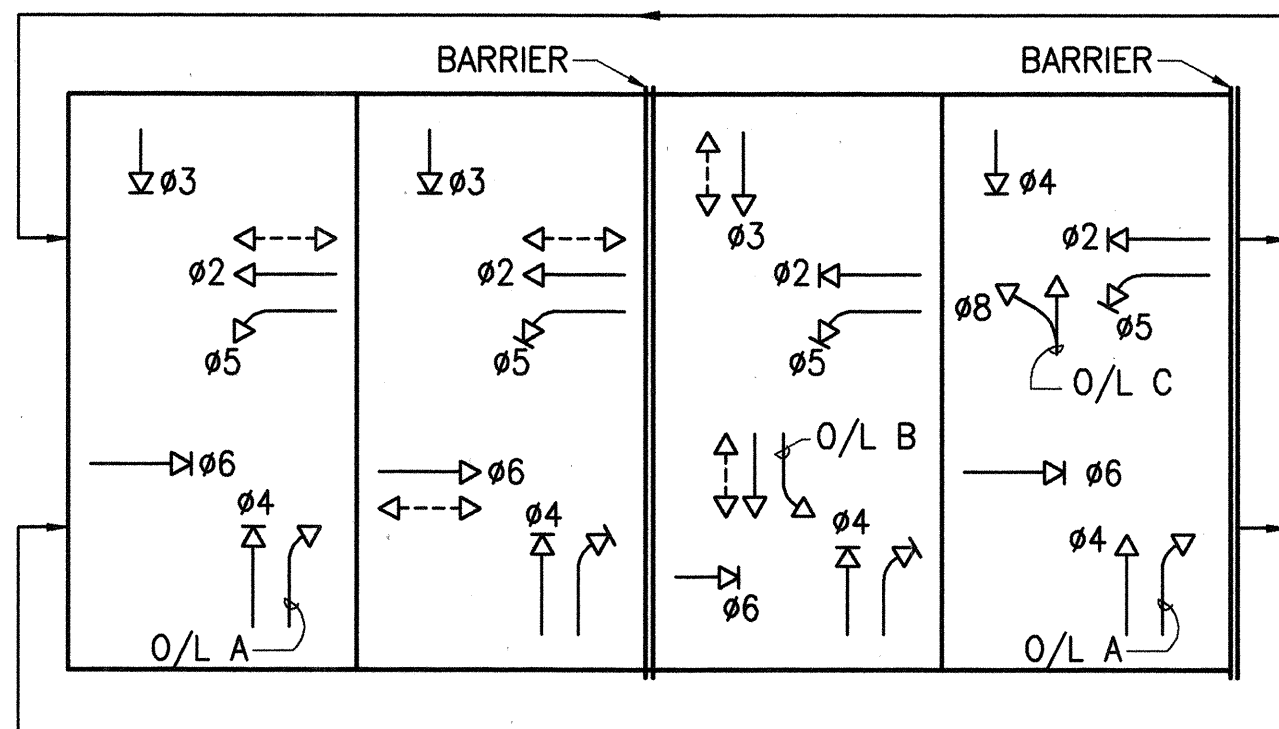
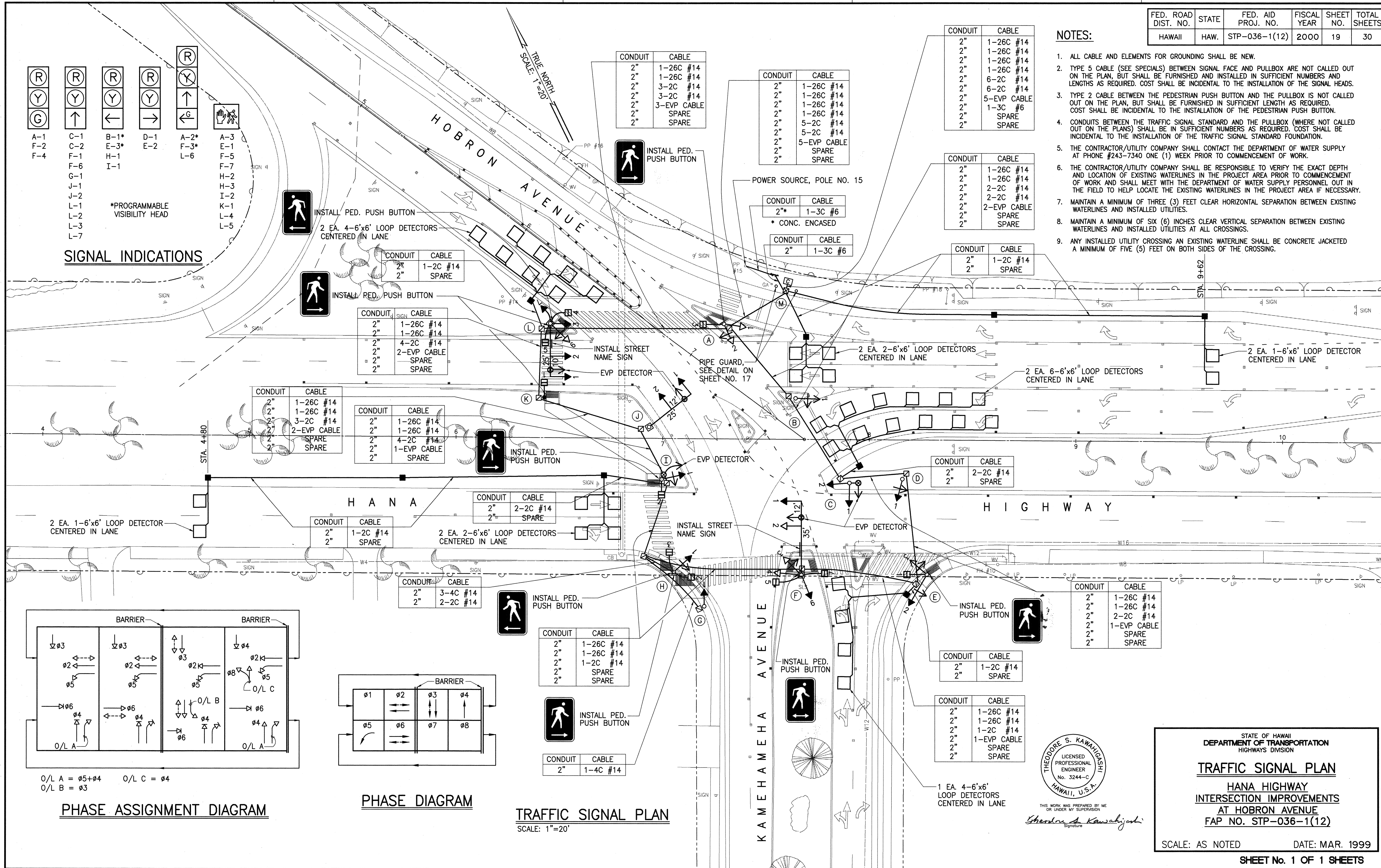
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-036-1(12)	2000	19	30

NOTES:

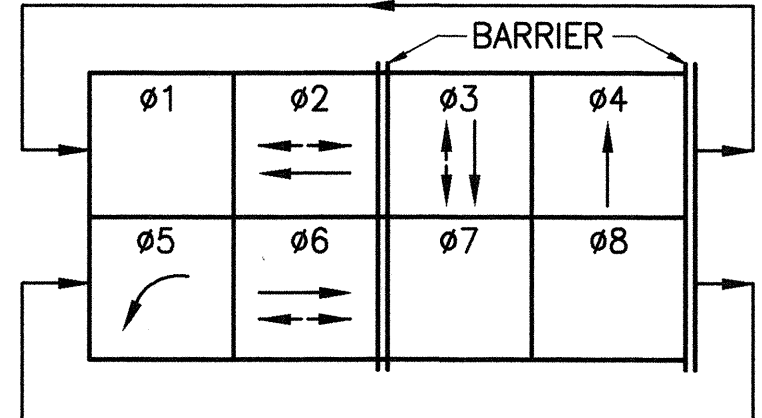
- ALL CABLE AND ELEMENTS FOR GROUNDING SHALL BE NEW.
- TYPE 5 CABLE (SEE SPECIALS) BETWEEN SIGNAL FACE AND PULLBOX ARE NOT CALLED OUT ON THE PLAN, BUT SHALL BE FURNISHED IN SUFFICIENT NUMBERS AND LENGTHS AS REQUIRED. COST SHALL BE INCIDENTAL TO THE INSTALLATION OF THE SIGNAL HEADS.
- TYPE 2 CABLE BETWEEN THE PEDESTRIAN PUSH BUTTON AND THE PULLBOX IS NOT CALLED OUT ON THE PLAN, BUT SHALL BE FURNISHED IN SUFFICIENT LENGTH AS REQUIRED. COST SHALL BE INCIDENTAL TO THE INSTALLATION OF THE PEDESTRIAN PUSH BUTTON.
- CONDUITS BETWEEN THE TRAFFIC SIGNAL STANDARD AND THE PULLBOX (WHERE NOT CALLED OUT ON THE PLANS) SHALL BE IN SUFFICIENT NUMBERS AS REQUIRED. COST SHALL BE INCIDENTAL TO THE INSTALLATION OF THE TRAFFIC SIGNAL STANDARD FOUNDATION.
- THE CONTRACTOR/UTILITY COMPANY SHALL CONTACT THE DEPARTMENT OF WATER SUPPLY AT PHONE #243-7340 ONE (1) WEEK PRIOR TO COMMENCEMENT OF WORK.
- THE CONTRACTOR/UTILITY COMPANY SHALL BE RESPONSIBLE TO VERIFY THE EXACT DEPTH AND LOCATION OF EXISTING WATERLINES IN THE PROJECT AREA PRIOR TO COMMENCEMENT OF WORK AND SHALL MEET WITH THE DEPARTMENT OF WATER SUPPLY PERSONNEL OUT IN THE FIELD TO HELP LOCATE THE EXISTING WATERLINES IN THE PROJECT AREA IF NECESSARY.
- MAINTAIN A MINIMUM OF THREE (3) FEET CLEAR HORIZONTAL SEPARATION BETWEEN EXISTING WATERLINES AND INSTALLED UTILITIES.
- MAINTAIN A MINIMUM OF SIX (6) INCHES CLEAR VERTICAL SEPARATION BETWEEN EXISTING WATERLINES AND INSTALLED UTILITIES AT ALL CROSSINGS.
- ANY INSTALLED UTILITY CROSSING AN EXISTING WATERLINE SHALL BE CONCRETE JACKETED A MINIMUM OF FIVE (5) FEET ON BOTH SIDES OF THE CROSSING.



SIGNAL INDICATIONS



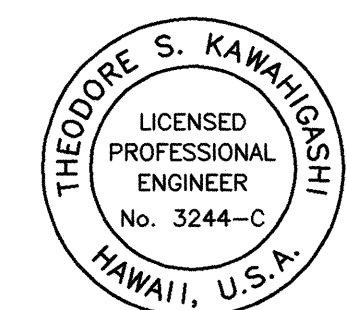
PHASE ASSIGNMENT DIAGRAM



PHASE DIAGRAM

TRAFFIC SIGNAL PLAN

SCALE: 1"=20'



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
Theodore S. Kawahigashi
Signature

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC SIGNAL PLAN

HANA HIGHWAY
INTERSECTION IMPROVEMENTS
AT HOBRON AVENUE
FAP NO. STP-036-1(12)

SCALE: AS NOTED DATE: MAR. 1999

SHEET No. 1 OF 1 SHEETS