

CONSTRUCTION PHASING & TRAFFIC CONTROL NOTES

1. PHASE 1 - CONSTRUCT OUTBOUND LANES STA. 1+50 TO STA. 70+90(±) INCLUDING GRADING OF SHOULDER AREAS.

2. PHASE 2 - CONSTRUCT INBOUND LANES STA. 1+50 TO STA. 70+90(±) INCLUDING GRADING OF SHOULDER AREAS.

3. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE, INSTALL & MAINTAIN TRAFFIC CONTROL DEVICES & MEASURES AS REQUIRED BY STATE & CITY TRAFFIC DEPARTMENTS, WHETHER OR NOT SHOWN ON THE TRAFFIC CONTROL PLANS INCLUDED HEREIN, AT NO ADDITIONAL COST TO THE OWNER.

4. PROVIDE 11' MINIMUM WIDTH TRAFFIC LANES.

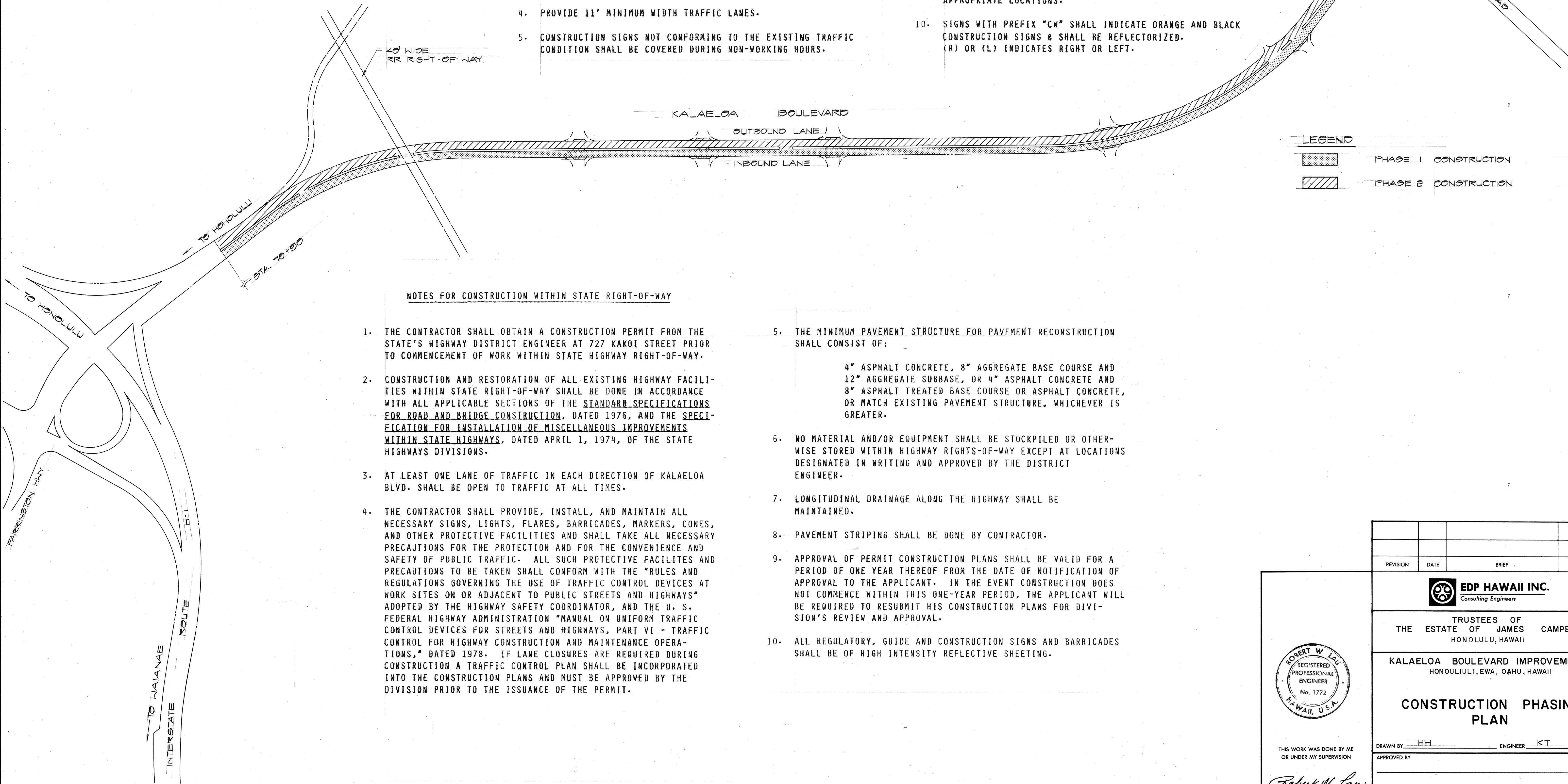
5. CONSTRUCTION SIGNS NOT CONFORMING TO THE EXISTING TRAFFIC CONDITION SHALL BE COVERED DURING NON-WORKING HOURS.
6. INAPPROPRIATE EXISTING SIGNS SHALL BE COVERED DURING CONSTRUCTION.

7. RESTORE PAVEMENT MARKINGS UPON COMPLETION OF EACH TRAFFIC CONTROL PHASE.

8. SIGNS DETAILS SHALL CONFORM TO THE FHWA PUBLICATIONS "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS," 1971 & "STANDARD HIGHWAY SIGNS," 1972 & AS AMENDED.

9. ALL WARNING SIGNS SHALL HAVE 3/8"Ø BOLT HOLES DRILLED AT APPROPRIATE LOCATIONS.

10. SIGNS WITH PREFIX "CW" SHALL INDICATE ORANGE AND BLACK CONSTRUCTION SIGNS & SHALL BE REFLECTORIZED. (R) OR (L) INDICATES RIGHT OR LEFT.



NOTES FOR CONSTRUCTION WITHIN STATE RIGHT-OF-WAY

1. THE CONTRACTOR SHALL OBTAIN A CONSTRUCTION PERMIT FROM THE STATE'S HIGHWAY DISTRICT ENGINEER AT 727 KAKOI STREET PRIOR TO COMMENCEMENT OF WORK WITHIN STATE HIGHWAY RIGHT-OF-WAY.

2. CONSTRUCTION AND RESTORATION OF ALL EXISTING HIGHWAY FACILITIES WITHIN STATE RIGHT-OF-WAY SHALL BE DONE IN ACCORDANCE WITH ALL APPLICABLE SECTIONS OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, DATED 1976, AND THE SPECIFICATION FOR INSTALLATION OF MISCELLANEOUS IMPROVEMENTS WITHIN STATE HIGHWAYS, DATED APRIL 1, 1974, OF THE STATE HIGHWAYS DIVISIONS.

3. AT LEAST ONE LANE OF TRAFFIC IN EACH DIRECTION OF KALAELOA BLVD. SHALL BE OPEN TO TRAFFIC AT ALL TIMES.

4. THE CONTRACTOR SHALL PROVIDE, INSTALL, AND MAINTAIN ALL NECESSARY SIGNS, LIGHTS, FLARES, BARRICADES, MARKERS, CONES, AND OTHER PROTECTIVE FACILITIES AND SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE PROTECTION AND FOR THE CONVENIENCE AND SAFETY OF PUBLIC TRAFFIC. ALL SUCH PROTECTIVE FACILITIES AND PRECAUTIONS TO BE TAKEN SHALL CONFORM WITH THE "RULES AND REGULATIONS GOVERNING THE USE OF TRAFFIC CONTROL DEVICES AT WORK SITES ON OR ADJACENT TO PUBLIC STREETS AND HIGHWAYS" ADOPTED BY THE HIGHWAY SAFETY COORDINATOR, AND THE U. S. FEDERAL HIGHWAY ADMINISTRATION "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, PART VI - TRAFFIC CONTROL FOR HIGHWAY CONSTRUCTION AND MAINTENANCE OPERATIONS," DATED 1978. IF LANE CLOSURES ARE REQUIRED DURING CONSTRUCTION A TRAFFIC CONTROL PLAN SHALL BE INCORPORATED INTO THE CONSTRUCTION PLANS AND MUST BE APPROVED BY THE DIVISION PRIOR TO THE ISSUANCE OF THE PERMIT.
5. THE MINIMUM PAVEMENT STRUCTURE FOR PAVEMENT RECONSTRUCTION SHALL CONSIST OF:

4" ASPHALT CONCRETE, 8" AGGREGATE BASE COURSE AND 12" AGGREGATE SUBBASE, OR 4" ASPHALT CONCRETE AND 8" ASPHALT TREATED BASE COURSE OR ASPHALT CONCRETE, OR MATCH EXISTING PAVEMENT STRUCTURE, WHICHEVER IS GREATER.

6. NO MATERIAL AND/OR EQUIPMENT SHALL BE STOCKPILED OR OTHERWISE STORED WITHIN HIGHWAY RIGHTS-OF-WAY EXCEPT AT LOCATIONS DESIGNATED IN WRITING AND APPROVED BY THE DISTRICT ENGINEER.

7. LONGITUDINAL DRAINAGE ALONG THE HIGHWAY SHALL BE MAINTAINED.

8. PAVEMENT STRIPING SHALL BE DONE BY CONTRACTOR.

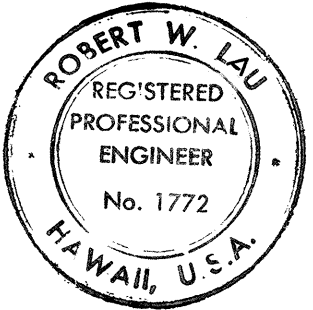
9. APPROVAL OF PERMIT CONSTRUCTION PLANS SHALL BE VALID FOR A PERIOD OF ONE YEAR THEREOF FROM THE DATE OF NOTIFICATION OF APPROVAL TO THE APPLICANT. IN THE EVENT CONSTRUCTION DOES NOT COMMENCE WITHIN THIS ONE-YEAR PERIOD, THE APPLICANT WILL BE REQUIRED TO RESUBMIT HIS CONSTRUCTION PLANS FOR DIVISION'S REVIEW AND APPROVAL.

10. ALL REGULATORY, GUIDE AND CONSTRUCTION SIGNS AND BARRICADES SHALL BE OF HIGH INTENSITY REFLECTIVE SHEETING.

LEGEND

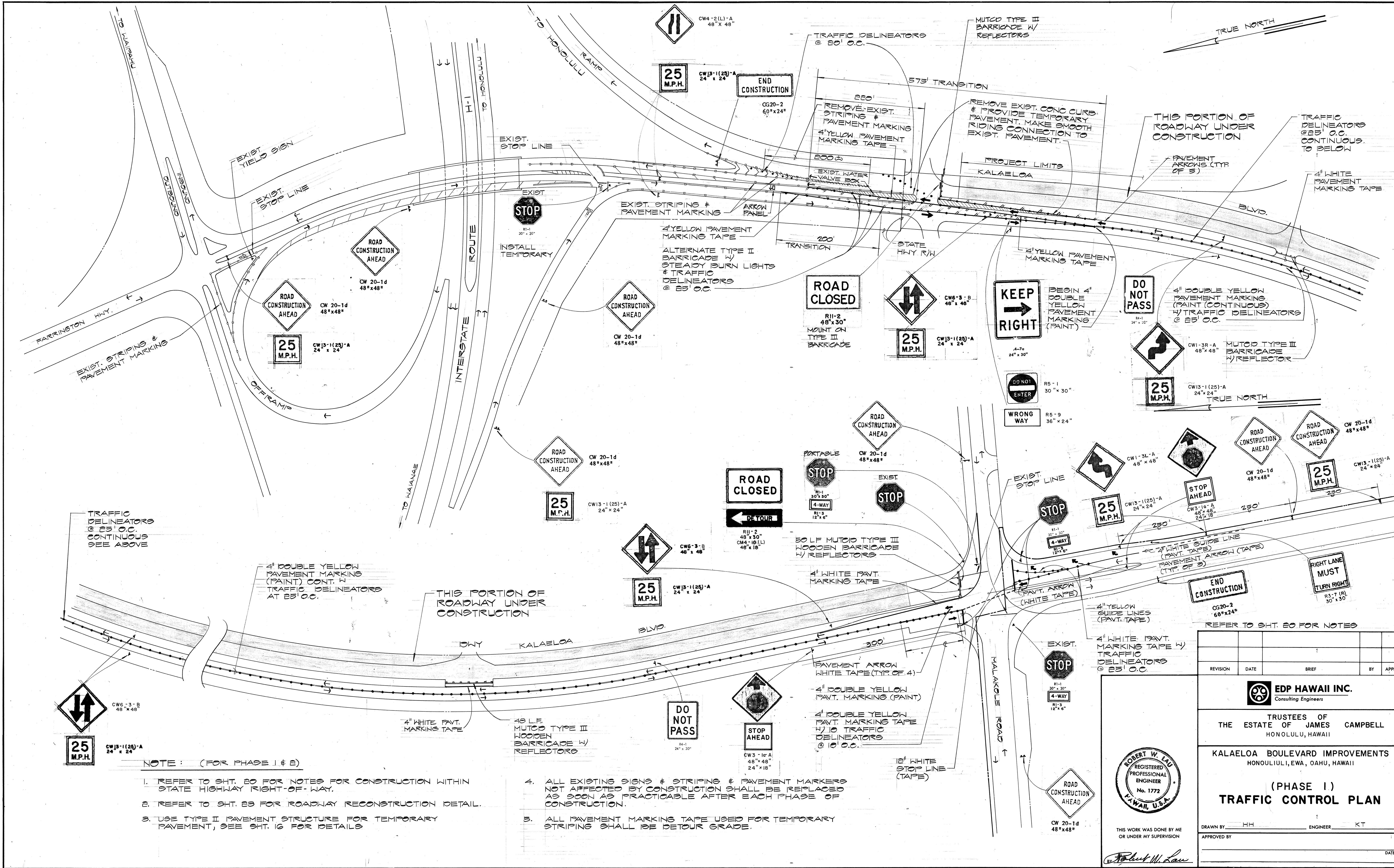
- PHASE 1 CONSTRUCTION
- PHASE 2 CONSTRUCTION

REVISION	DATE	BRIEF	BY	APPR'D
<div><div></div><div>EDP HAWAII INC. Consulting Engineers</div></div>				
TRUSTEES OF THE ESTATE OF JAMES CAMPBELL HONOLULU, HAWAII				
KALAELOA BOULEVARD IMPROVEMENTS HONOLULU, EWA, OAHU, HAWAII				
CONSTRUCTION PHASING PLAN				
DRAWN BY <u>HH</u> ENGINEER <u>KT</u>				
APPROVED BY _____				
DATE _____				



THIS WORK WAS DONE BY ME
OR UNDER MY SUPERVISION

Robert W. Lau



NOTE: (FOR PHASE I & 2)

1. REFER TO SHT. 20 FOR NOTES FOR CONSTRUCTION WITHIN STATE HIGHWAY RIGHT-OF-WAY.
2. REFER TO SHT. 23 FOR ROADWAY RECONSTRUCTION DETAIL.
3. USE TYPE II PAVEMENT STRUCTURE FOR TEMPORARY PAVEMENT, SEE SHT. 16 FOR DETAILS

4. ALL EXISTING SIGNS & STRIPING & PAVEMENT MARKERS NOT AFFECTED BY CONSTRUCTION SHALL BE REPLACED AS SOON AS PRACTICABLE AFTER EACH PHASE OF CONSTRUCTION.
5. ALL PAVEMENT MARKING TAPE USED FOR TEMPORARY STRIPING SHALL BE DETOUR GRADE.

REVISION	DATE	BRIEF	BY	APPR'D

EDP HAWAII INC.
Consulting Engineers

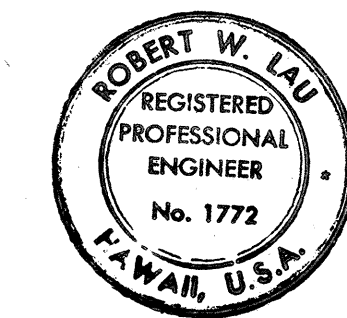
TRUSTEES OF
THE ESTATE OF JAMES CAMPBELL
HONOLULU, HAWAII

KALAELOA BOULEVARD IMPROVEMENTS
HONOLULU, EWA, OAHU, HAWAII

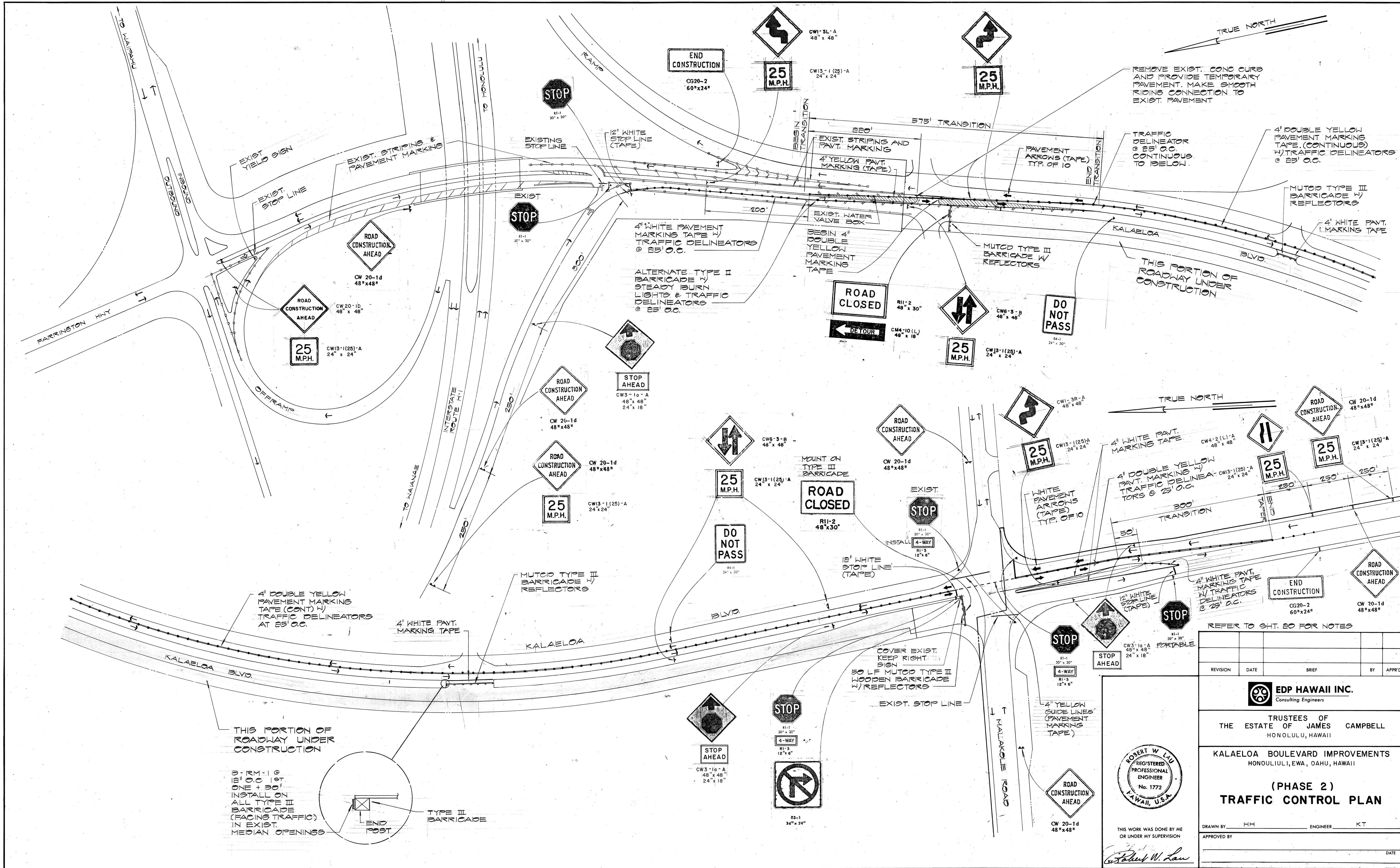
(PHASE I)
TRAFFIC CONTROL PLAN

DRAWN BY: HH ENGINEER: KT

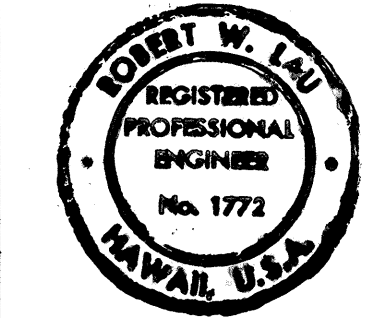
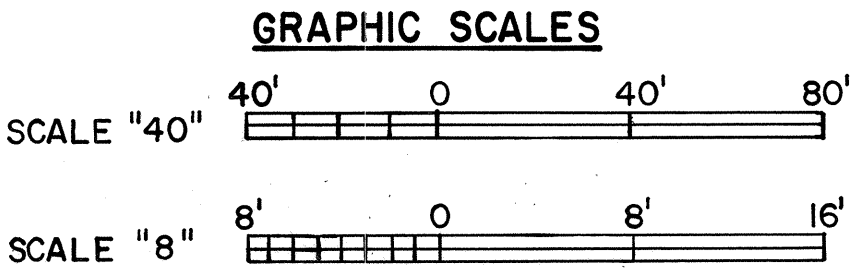
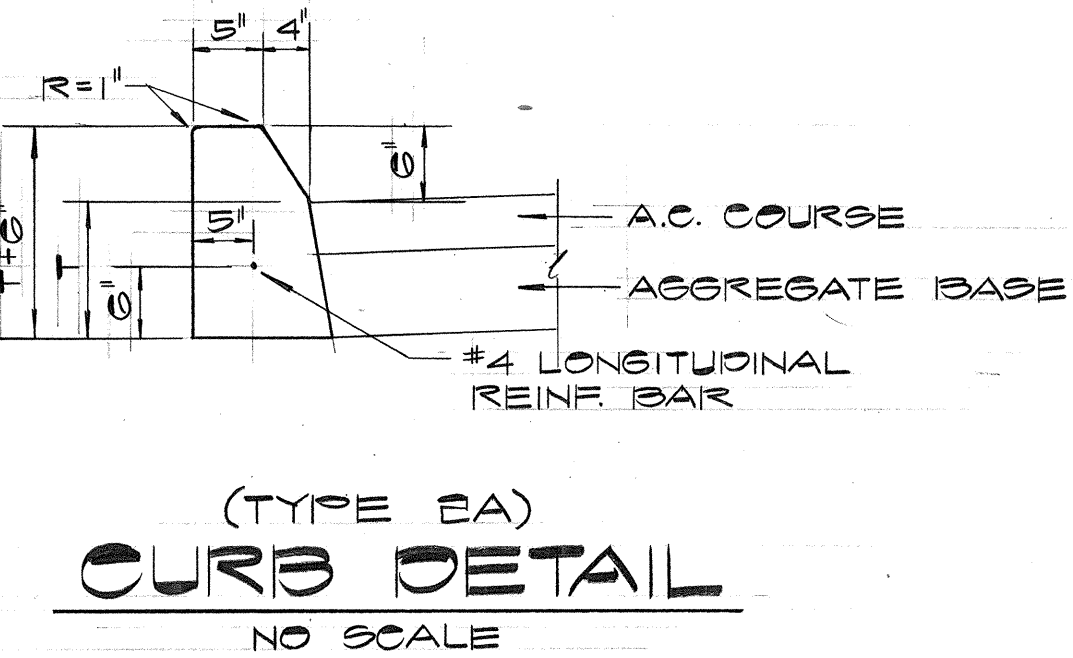
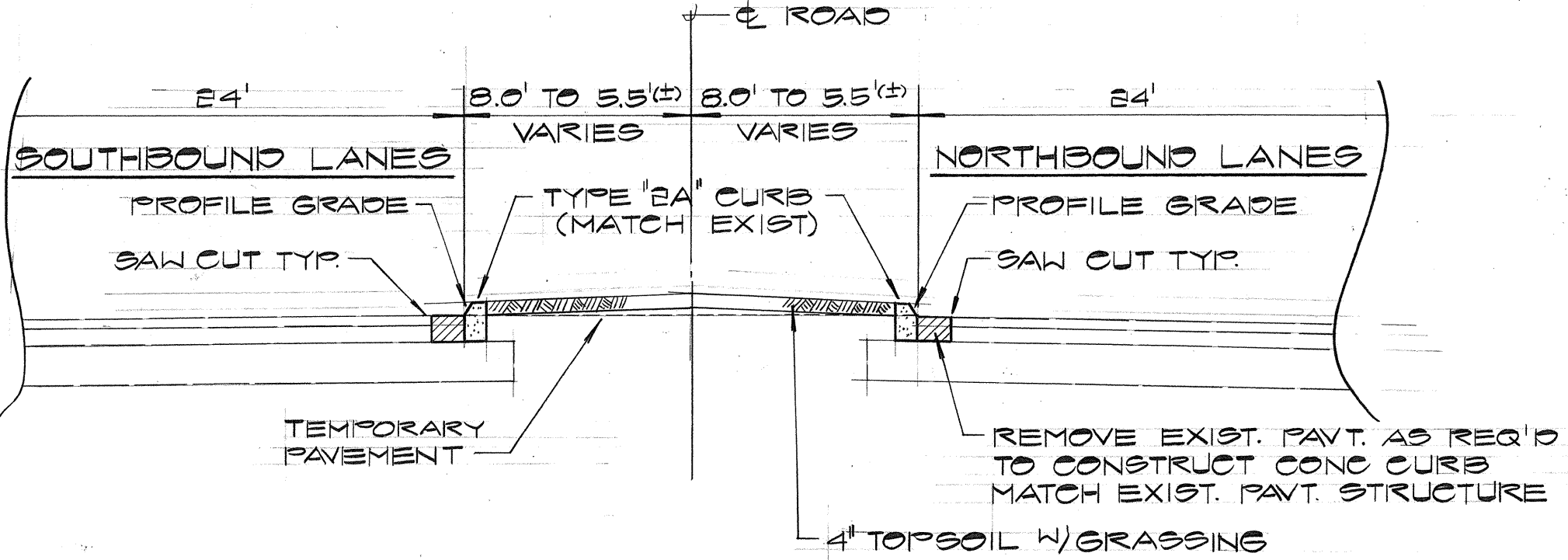
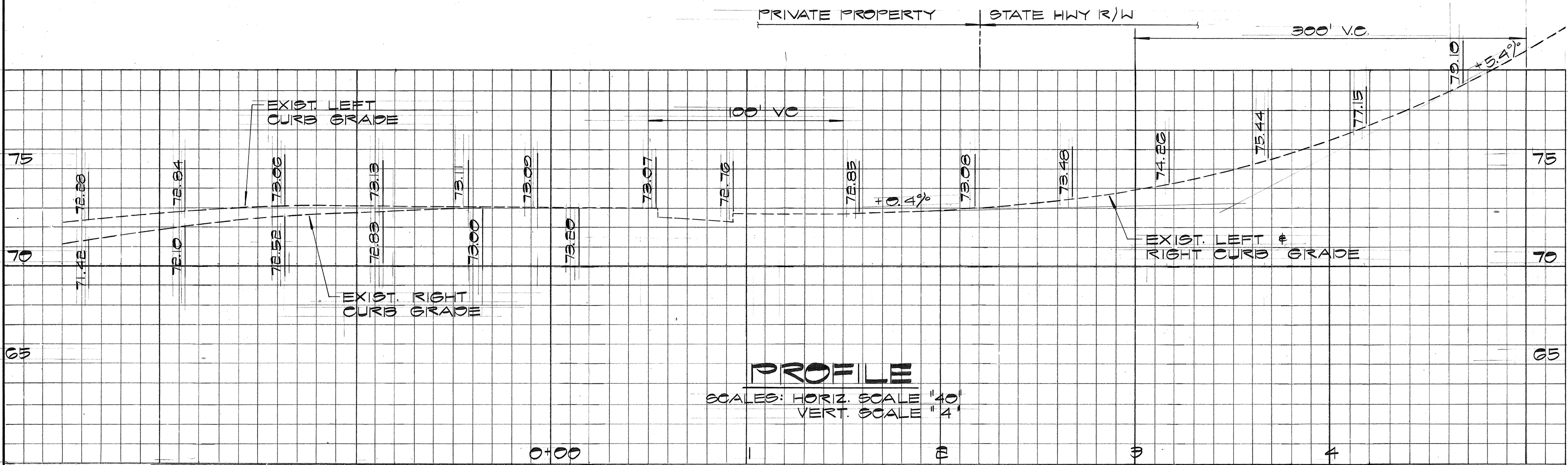
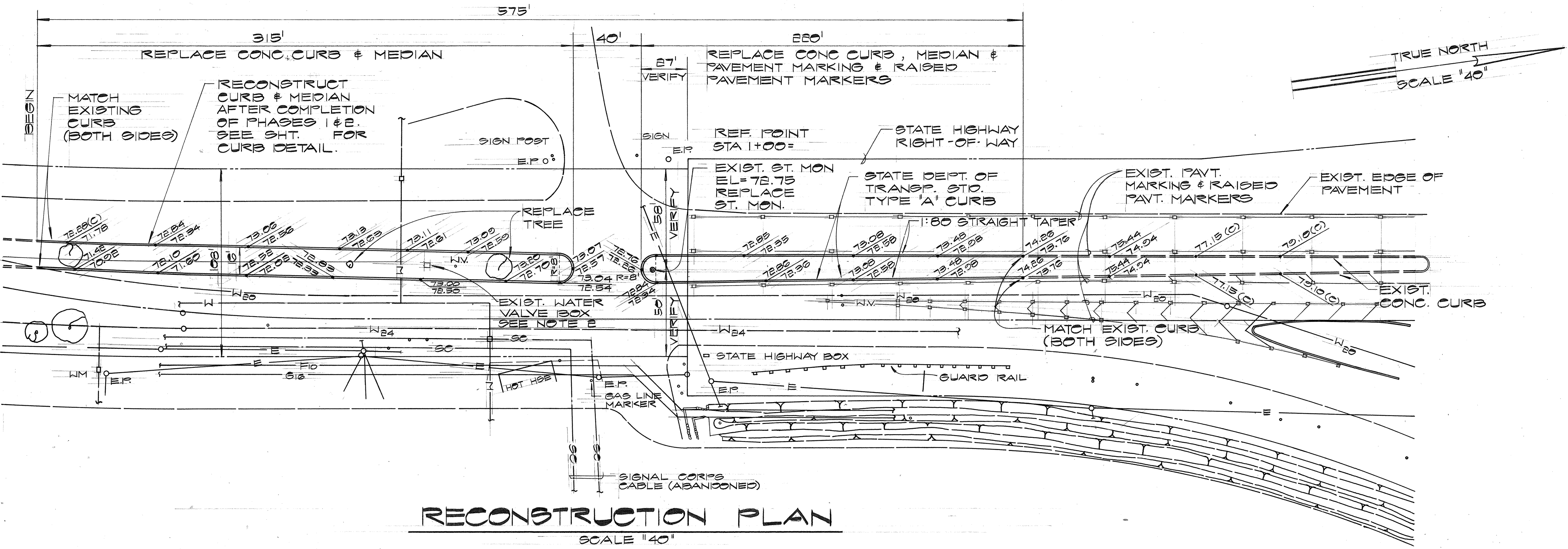
APPROVED BY: _____ DATE: _____



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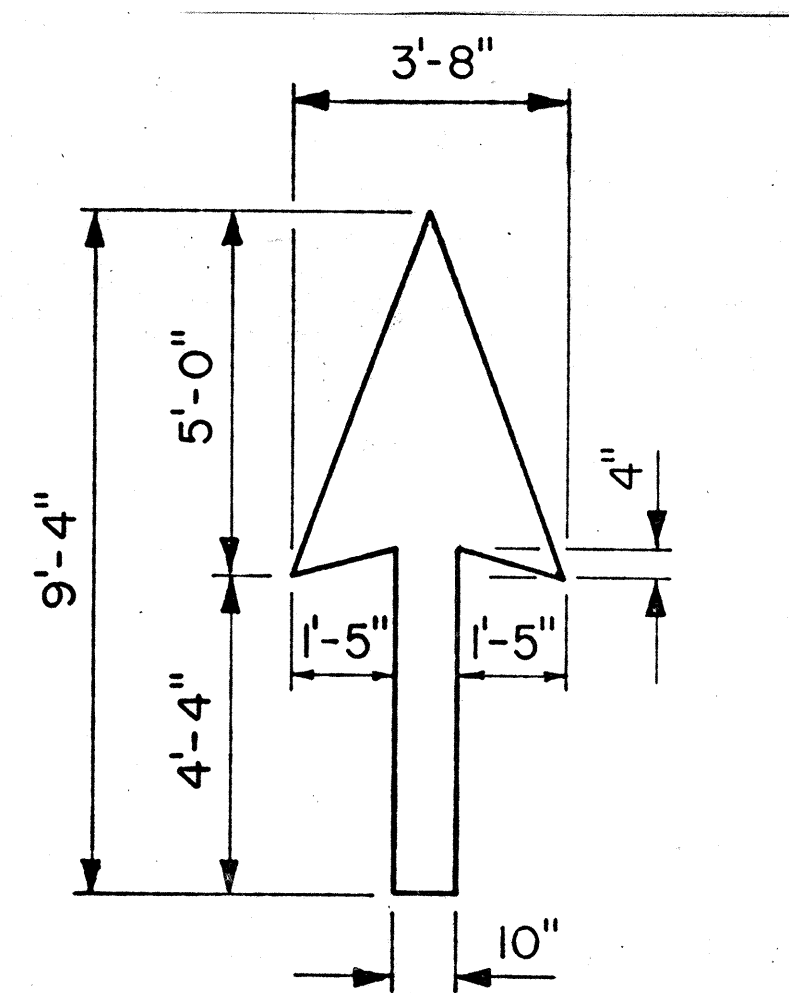
1. ALL EXISTING TREES, GRASSING AND IRRIGATION SYSTEM REMOVED FOR THE DETOUR SHALL BE REPLACED AFTER THE MEDIAN HAS BEEN RECONSTRUCTED.
2. EXISTING CONCRETE VALVE BOX FOR IRRIGATION SYSTEM LOCATED WITHIN THE MEDIAN SHALL BE PROTECTED OR RECONSTRUCTED TO ITS ORIGINAL CONDITION.
3. UPON COMPLETION OF CONSTRUCTION ALL EXISTING ROADWAY FACILITIES, MARKINGS AND APPURTENANCES WITHIN THE STATE HIGHWAY RIGHT-OF-WAY SHALL BE RESTORED BY THE CONTRACTOR.
4. STAKEOUT OF EXISTING CURB SHOWN ON THE RECONSTRUCTION PLAN TO BE DONE BY OWNER, PRIOR TO COMMENCEMENT OF CONSTRUCTION.



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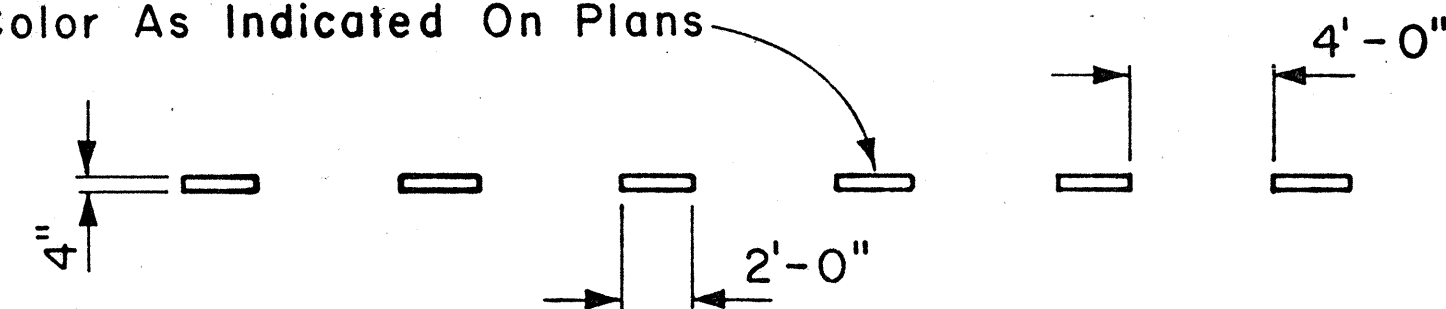
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EDP HAWAII INC. Consulting Engineers				
TRUSTEES OF THE ESTATE OF JAMES CAMPBELL HONOLULU, HAWAII				
KALAELOA BOULEVARD IMPROVEMENTS HONOLULU, EWA, OAHU, HAWAII				
ROADWAY RECONSTRUCTION DETAILS				
DRAWN BY <u>HH</u> ENGINEER <u>KT</u>				
APPROVED BY				
Chief, Div. of Engineering, D.P.W. DATE Director, Dept. of Transportation Services DATE				



PAVEMENT ARROWS

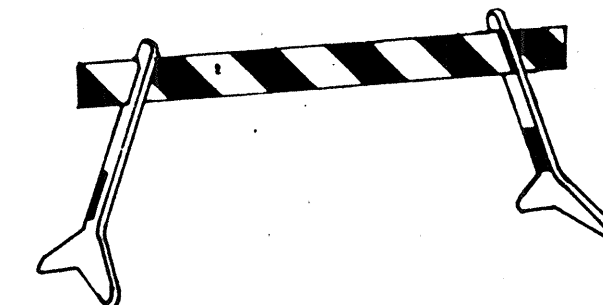
Scale: 3/8" = 1'

Color As Indicated On Plans

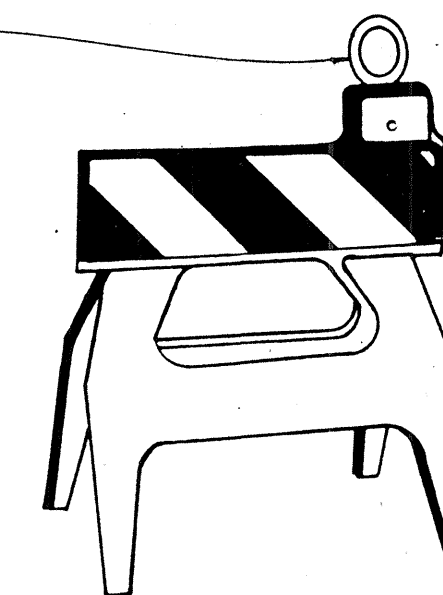


4" GUIDE LINE

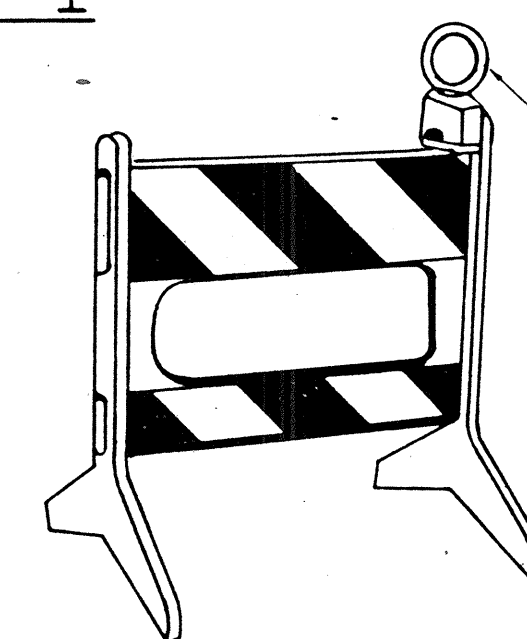
Amber flasher or steady burn lamp as required



TYPE I



TYPE I

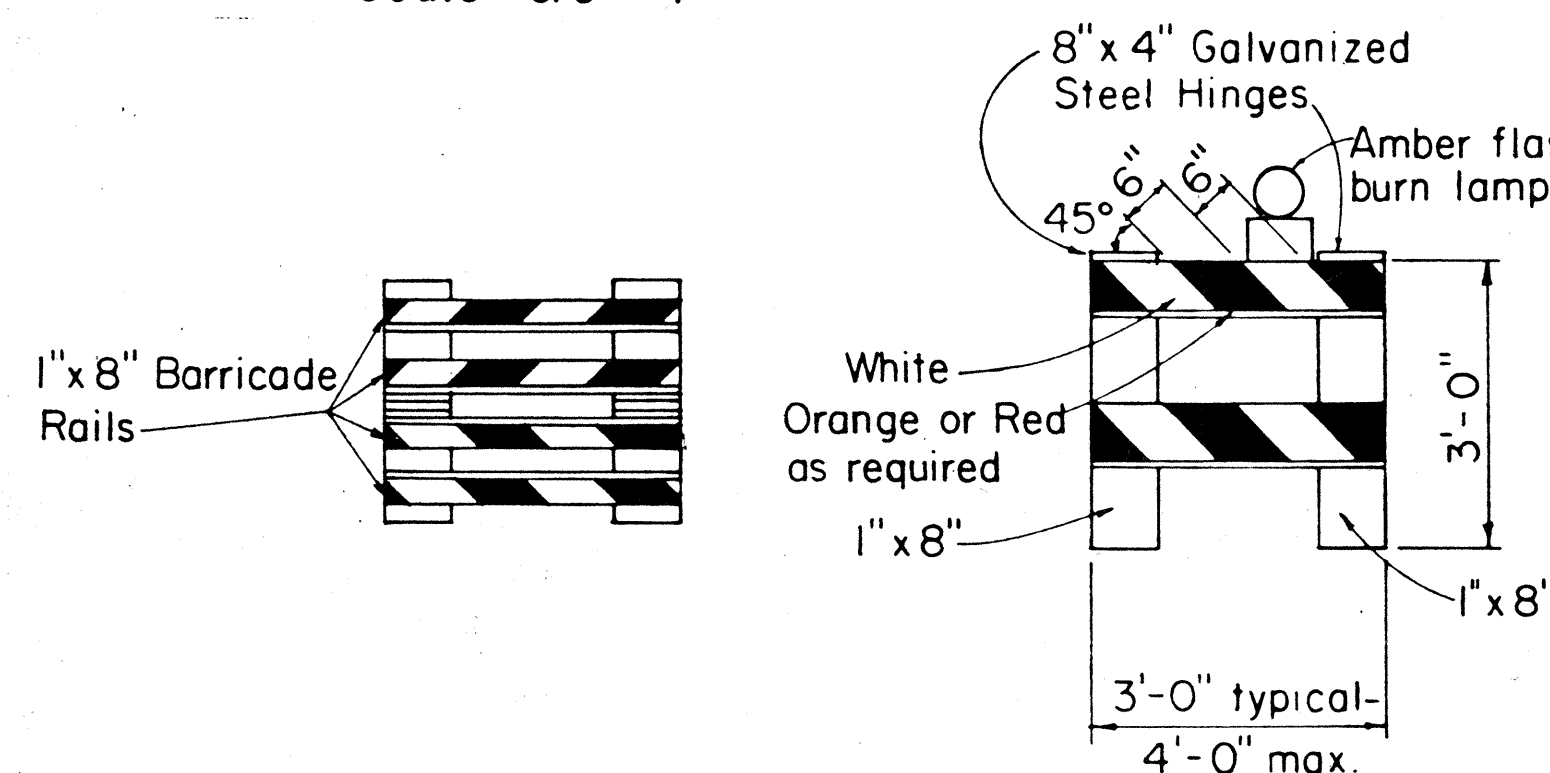


TYPE II

Amber flasher or steady burn lamp as required

GENERAL NOTES

1. The front and back faces of each barricade rail shall be reflectorized with stripes sloping downward toward the same side (traveled way) of each barricade.
2. Contractor may submit alternate barricade designs for approval.
3. Sandbags or other approved weights shall not be placed on top of any striped rail.
4. The Contractor is directed to Section 626.
5. Pavement marking and striping shall conform to the latest edition of the "Manual on Uniform Traffic Control Devices for Streets and Highways," by the FHWA, and as amended.
6. Layout of pavement markings and striping shall be done by the Contractor. The Contractor shall check layout of markings and striping with the Engineer prior to performing work.



PLAN VIEW

FRONT VIEW

END VIEW

TYPE II BARRICADE

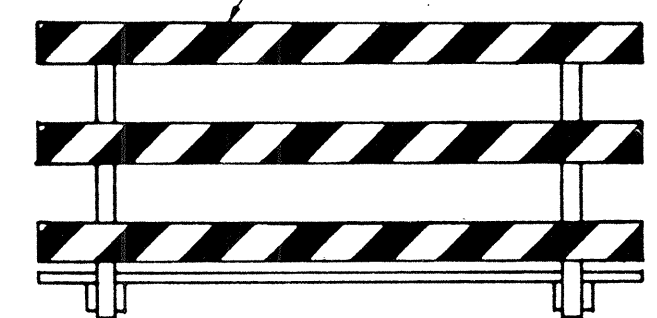
Scale: 1/2" = 1'-0"

PLASTIC MOLDED BARRICADE OPTIONS*

Not to Scale

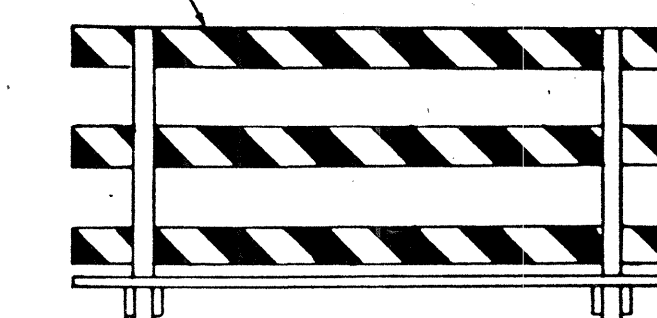
* Shop Drawings must be submitted for approval.

Edge of Traveled Way



FRONT FACE

Edge of Traveled Way

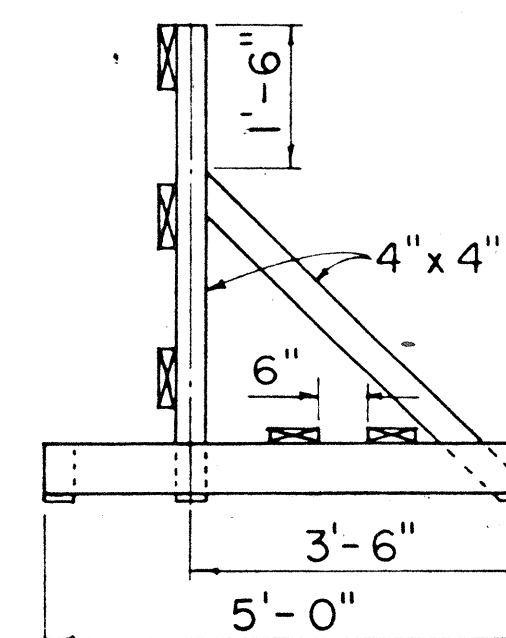


BACK FACE

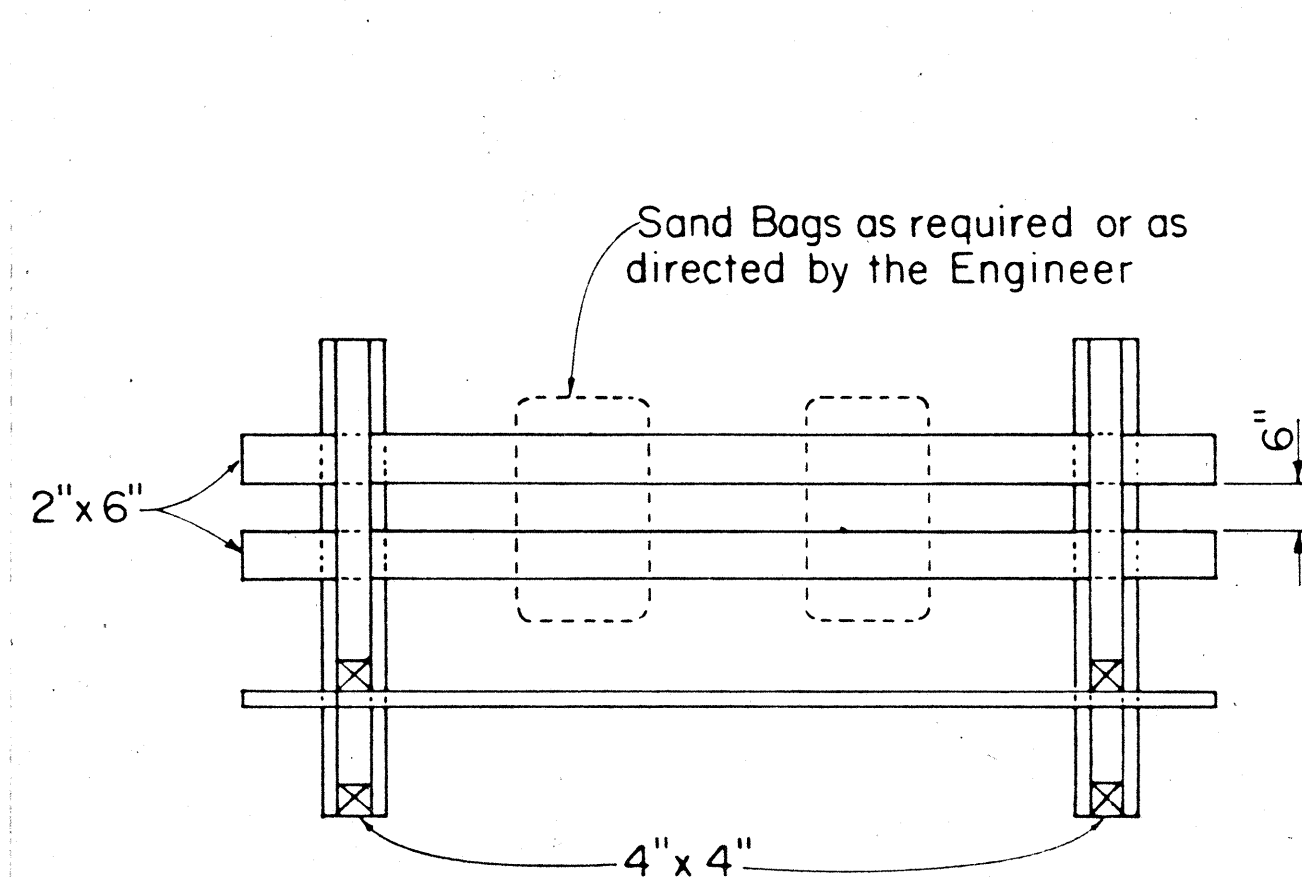
TYPICAL BARRICADE STRIPING DETAILS**

Not to Scale

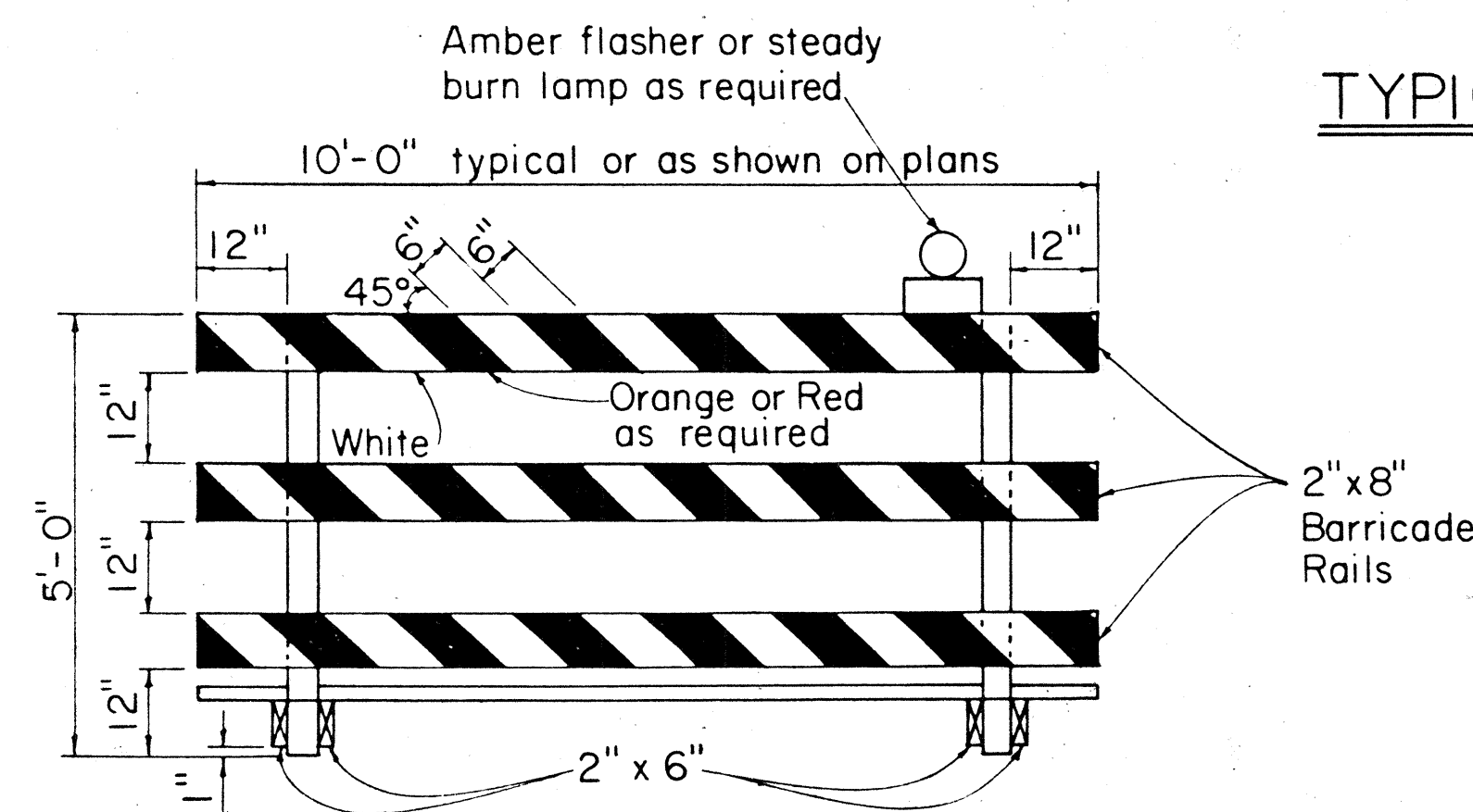
** Similar for Types I & II



END VIEW



PLAN VIEW



FRONT VIEW

TYPE III BARRICADE

Scale: 1/2" = 1'-0"

REVISION	DATE	BRIEF	BY	APPROD
TRUSTEES OF THE ESTATE OF JAMES CAMPBELL HONOLULU, HAWAII				
KALAELOA BOULEVARD IMPROVEMENTS HONOLULU, EWA, OAHU, HAWAII				
TRAFFIC CONTROL DETAILS				
DRAWN BY: _____ ENGINEER: _____				
APPROVED BY: _____				