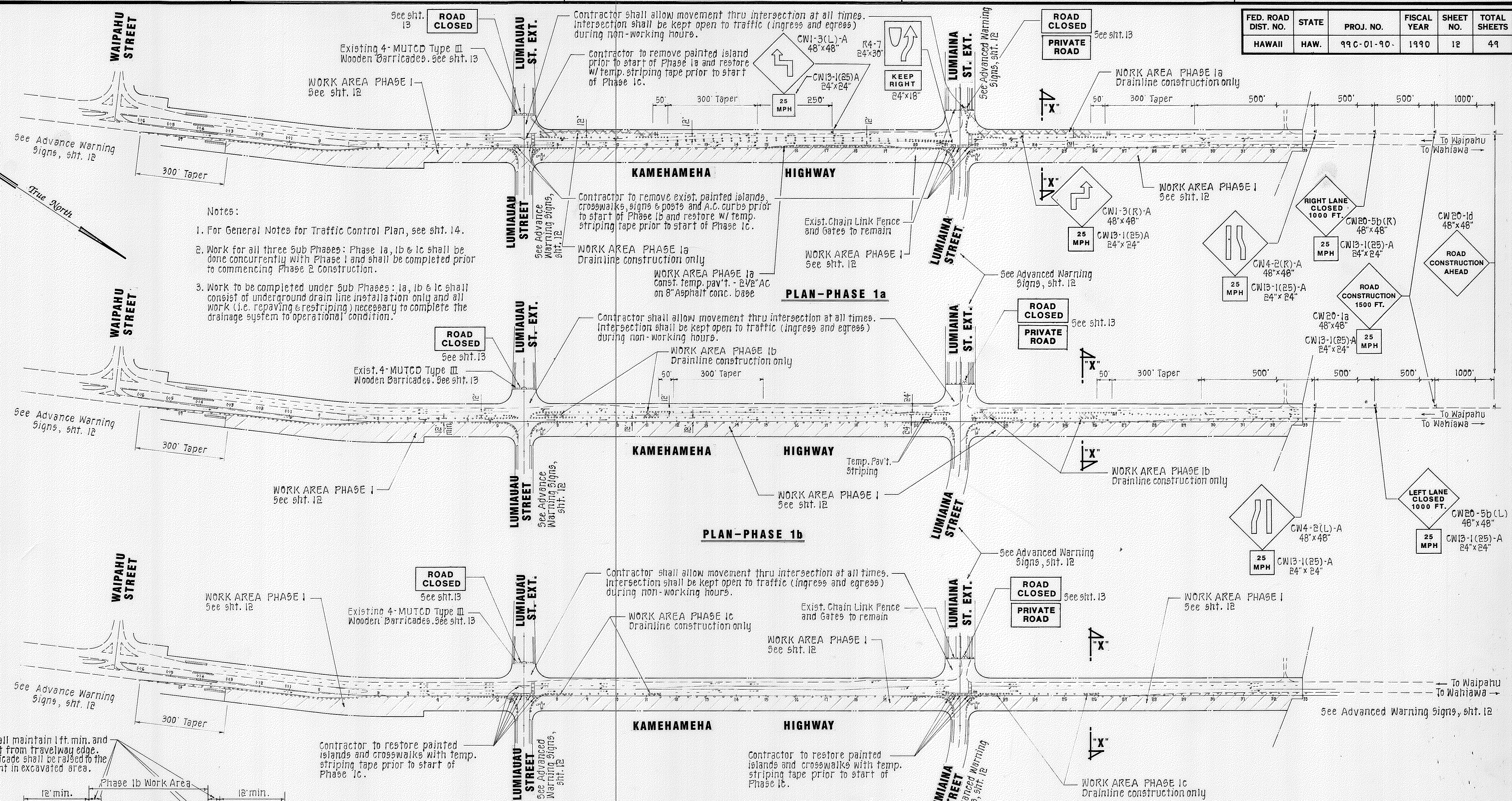
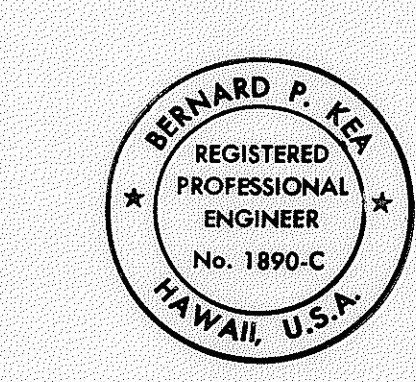
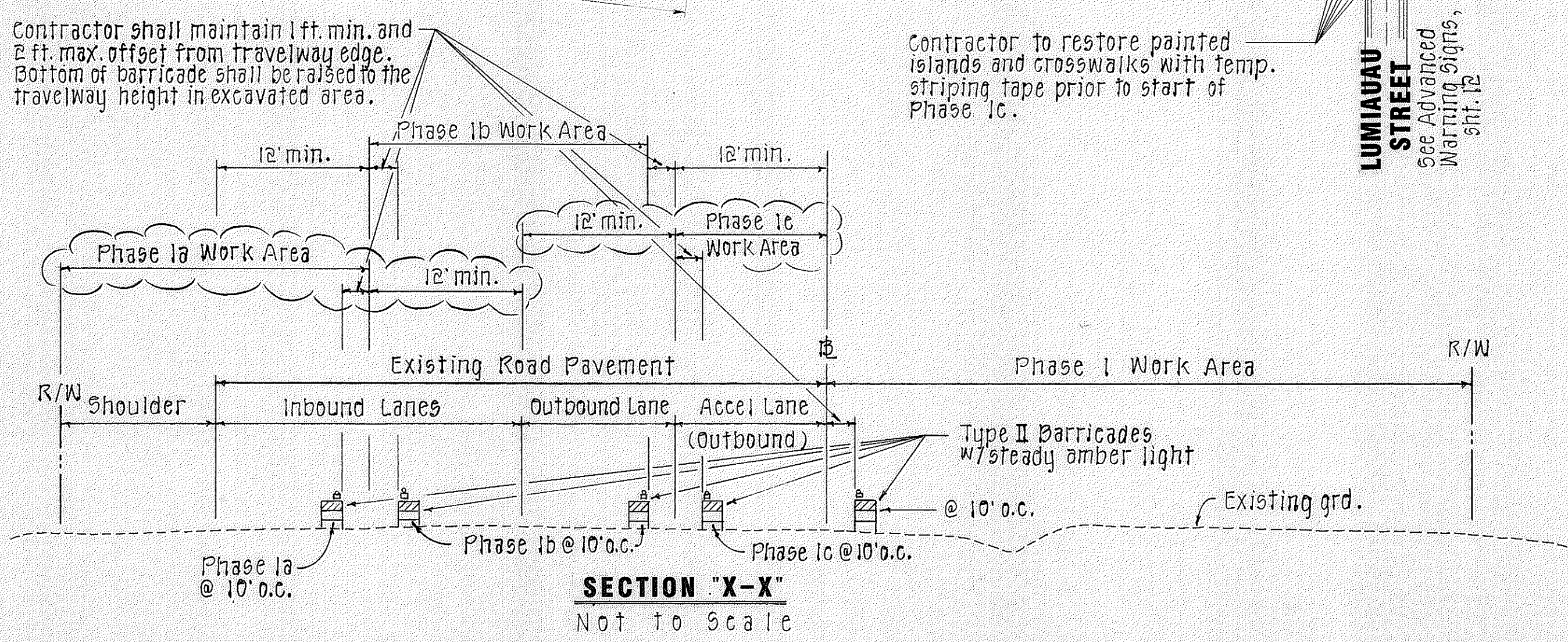


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	99C-01-90	1990	12	49



- Notes:
1. For General Notes for Traffic Control Plan, see sht. 14.
 2. Work for all three Sub Phases: Phase 1a, 1b & 1c shall be done concurrently with Phase 1 and shall be completed prior to commencing Phase 2 Construction.
 3. Work to be completed under Sub Phases: 1a, 1b & 1c shall consist of underground drain line installation only and all work (i.e. repaving & restriping) necessary to complete the drainage system to operational condition.



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION
Bernard P. Kea
Signature

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DETOUR PLAN
PHASES 1a, 1b & 1c
KAMEHAMEHA HIGHWAY WIDENING
PROJ. NO. 99C-01-90

SCALE: 1" = 160'
DATE: JAN. 1990
SHEET No. 2 OF 5 SHEETS

ORIGINAL PLAN	DATE
DRAWN BY	
TRACED BY	
DESIGNED BY	
CHECKED BY	
NO.	

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	99C-01-90	1990	13	49

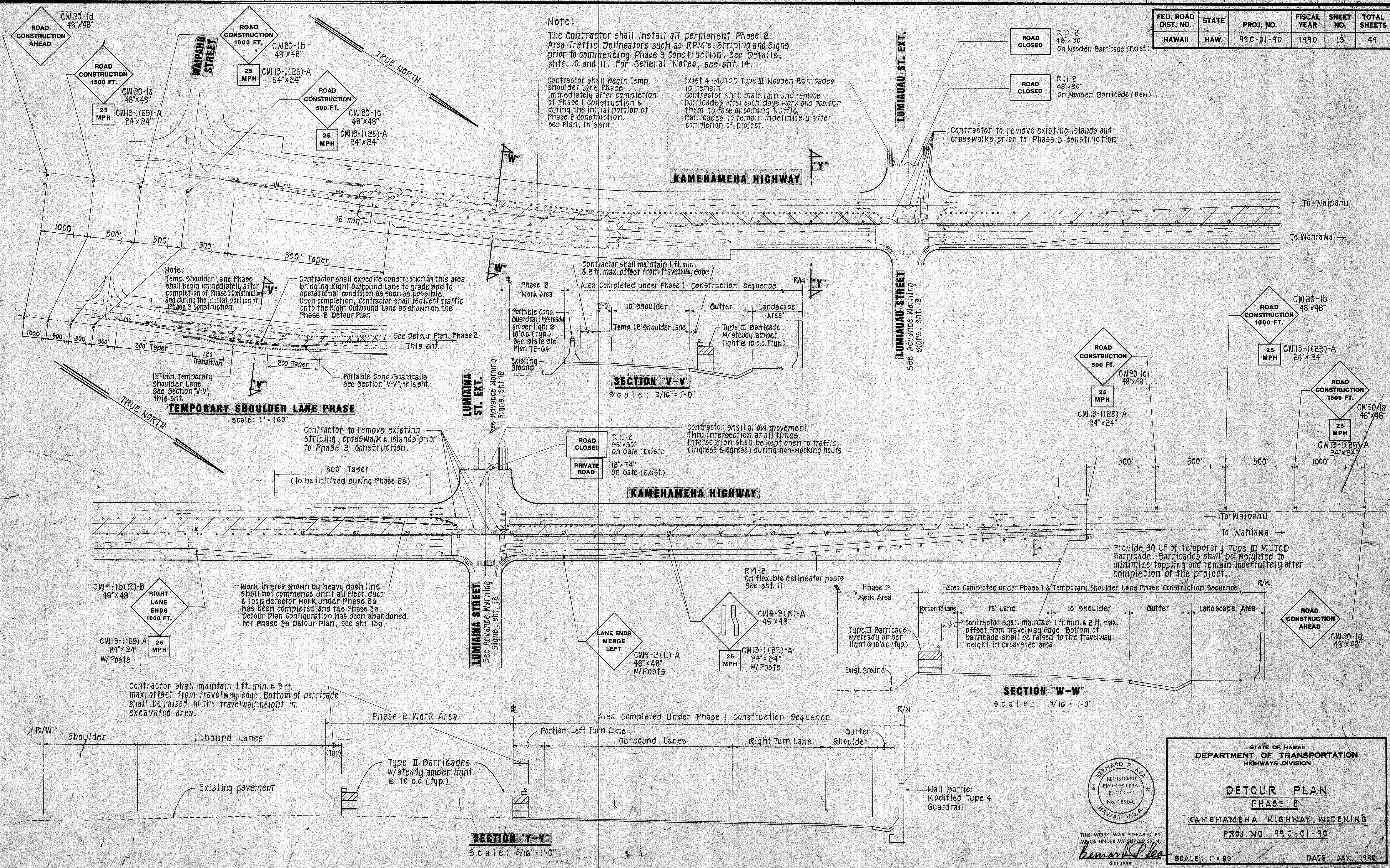
Note:

The Contractor shall install all permanent Phase 2 Area Traffic Delineators such as RPM's, Striping and Signs prior to commencing Phase 3 Construction. See Details, shts. 10 and 11. For General Notes, see sht. 14.

Contractor shall begin Temp. Shoulder Lane Phase immediately after completion of Phase 1 Construction & during the initial portion of Phase 2 Construction. See Plan, this sht.

Exist. 4-MUTCD Type III Wooden Barricades to remain. Contractor shall maintain and replace barricades after each days work and position them to face oncoming traffic. Barricades to remain indefinitely after completion of project.

Contractor to remove existing islands and crosswalks prior to Phase 3 construction



Note: Temp. Shoulder Lane Phase shall begin immediately after completion of Phase 1 Construction and during the initial portion of Phase 2 Construction.

Contractor shall expedite construction in this area bringing Right Outbound Lane to grade and to operational condition as soon as possible. Upon completion, Contractor shall redirect traffic onto the Right Outbound Lane as shown on the Phase 2 Detour Plan.

Contractor shall maintain 1 ft. min. & 2 ft. max. offset from travelway edge

Area Completed under Phase 1 Construction Sequence

SECTION "V-V"
Scale: 3/16" = 1'-0"

Contractor shall allow movement thru intersection at all times. Intersection shall be kept open to traffic (ingress & egress) during non-working hours.

Provide 30 LF of Temporary Type III MUTCD Barricade. Barricades shall be weighted to minimize toppling and remain indefinitely after completion of the project.

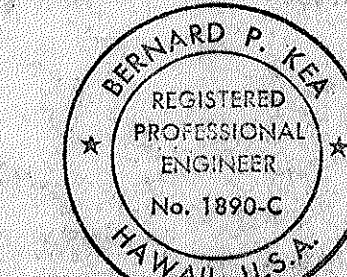
Contractor shall maintain 1 ft. min. & 2 ft. max. offset from travelway edge. Bottom of barricade shall be raised to the travelway height in excavated area.

SECTION "W-W"
Scale: 3/16" = 1'-0"

Contractor shall maintain 1 ft. min. & 2 ft. max. offset from travelway edge. Bottom of barricade shall be raised to the travelway height in excavated area.

Type II Barricades w/ steady amber light @ 10' o.c. (typ.)

SECTION "Y-Y"
Scale: 3/16" = 1'-0"



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HIGHWAYS DIVISION

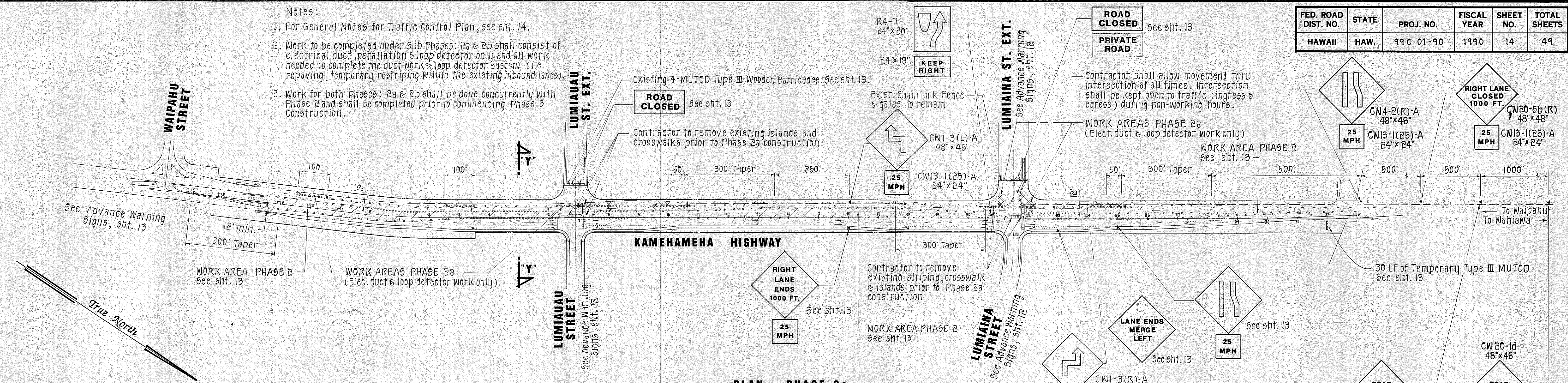
DETOUR PLAN
PHASE 2
KAMEHAMEHA HIGHWAY WIDENING
PROJ. NO. 99C-01-90
SCALE: 1" = 60'
DATE: JAN. 1990
SHEET NO. 3 OF 5 SHEETS

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
NO.	

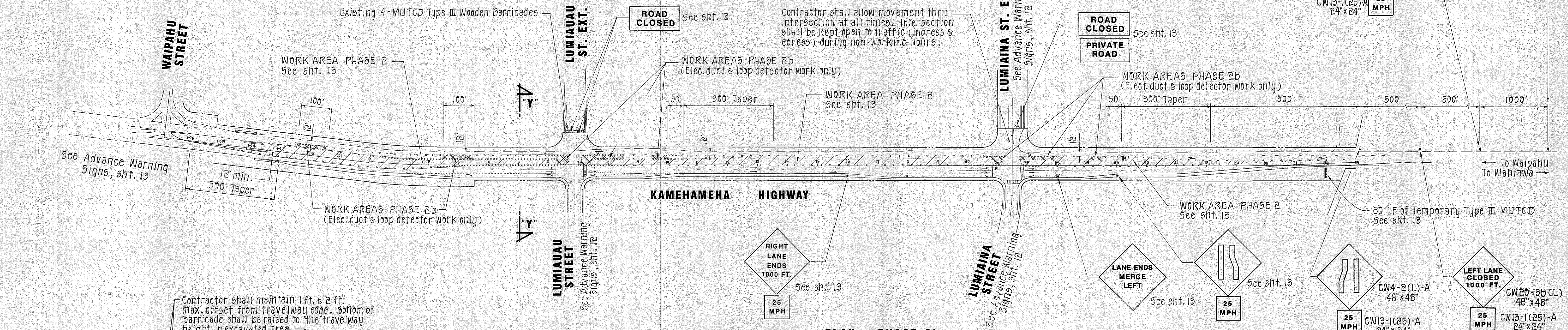
ORIGINAL PLAN	DATE
DRAWN BY	
CHECKED BY	
NOTE BOOK	
CHECKED BY	
NO.	

- Notes:
- For General Notes for Traffic Control Plan, see sht. 14.
 - Work to be completed under Sub Phases: 2a & 2b shall consist of electrical duct installation & loop detector only and all work needed to complete the duct work & loop detector system (i.e. repaving, temporary restriping within the existing inbound lanes).
 - Work for both Phases: 2a & 2b shall be done concurrently with Phase 2 and shall be completed prior to commencing Phase 3 construction.

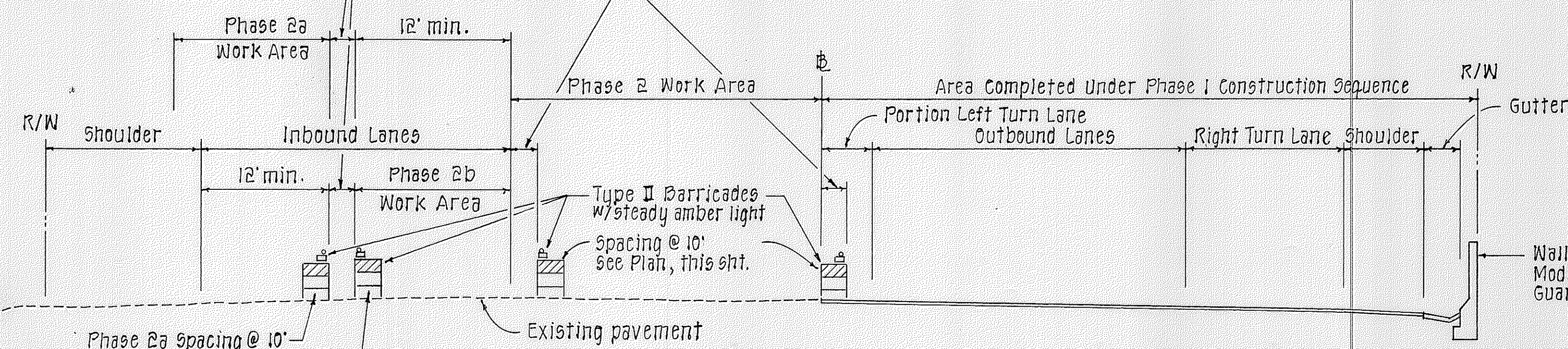
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	99C-01-90	1990	14	49



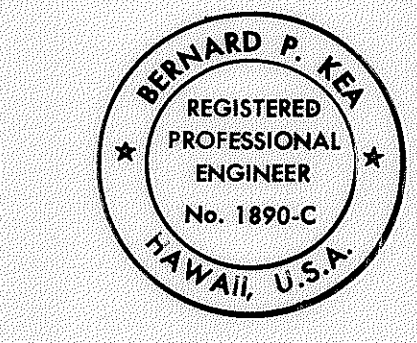
PLAN - PHASE 2a



PLAN - PHASE 2b



SECTION "Y-Y"
Not to Scale



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Signature

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

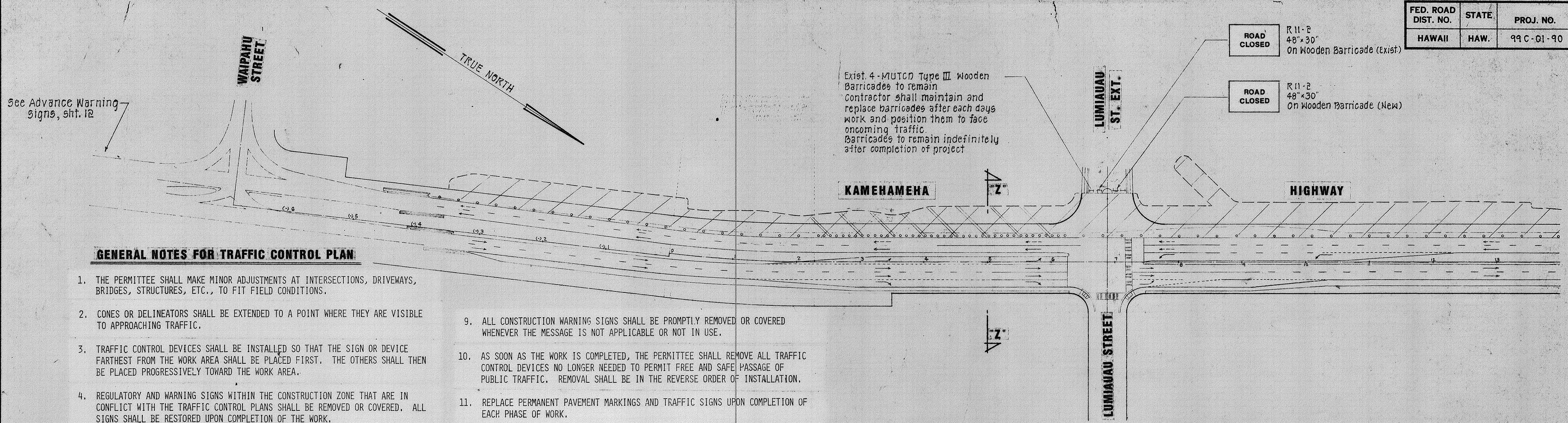
DETOUR PLAN
PHASES 2a & 2b

KAMEHAMEHA HIGHWAY WIDENING
PROJ. NO. 99C-01-90

SCALE: 1" = 100' DATE: JAN. 1990

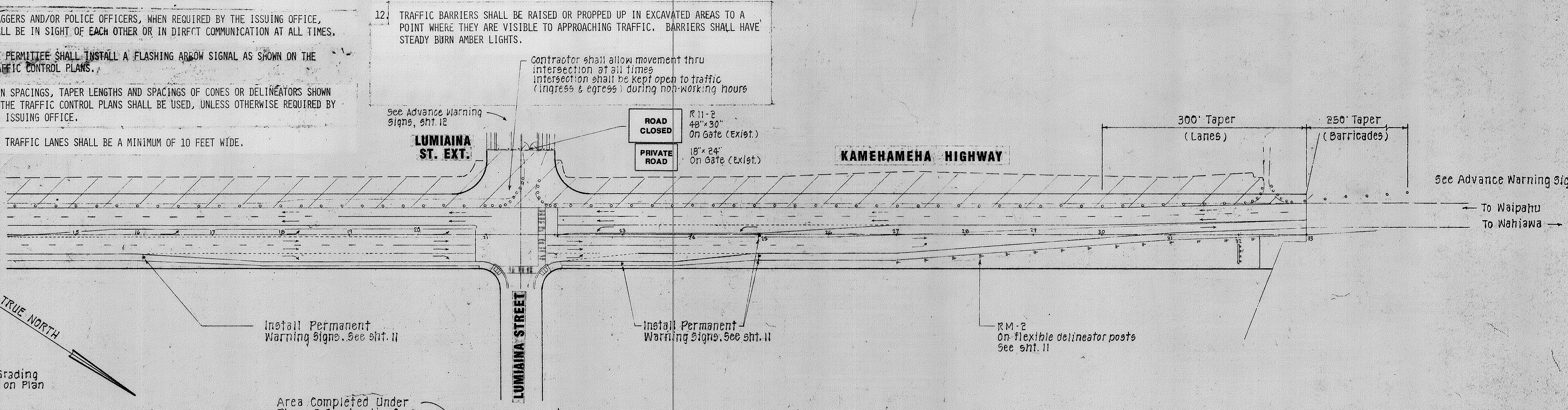
SHEET NO. 4 OF 5 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	99C-01-90	1990	15	49

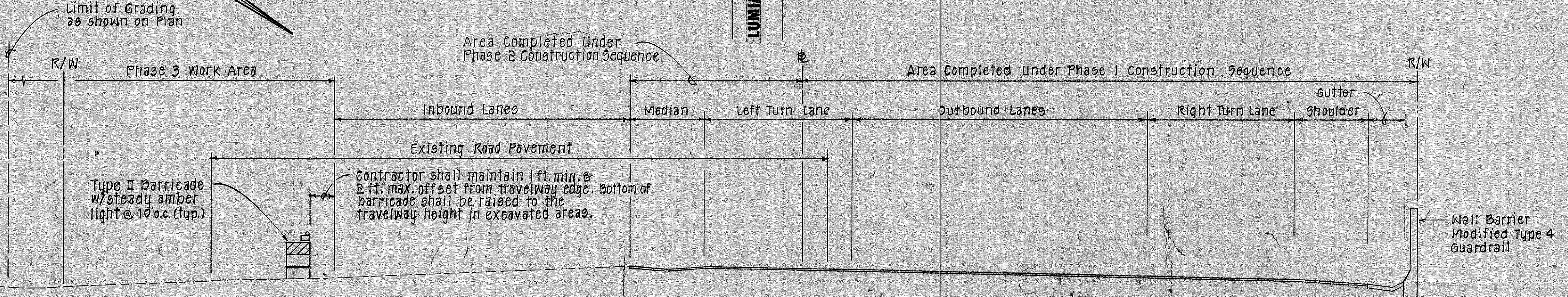


GENERAL NOTES FOR TRAFFIC CONTROL PLAN

1. THE PERMITTEE SHALL MAKE MINOR ADJUSTMENTS AT INTERSECTIONS, DRIVEWAYS, BRIDGES, STRUCTURES, ETC., TO FIT FIELD CONDITIONS.
2. CONES OR DELINEATORS SHALL BE EXTENDED TO A POINT WHERE THEY ARE VISIBLE TO APPROACHING TRAFFIC.
3. TRAFFIC CONTROL DEVICES SHALL BE INSTALLED SO THAT THE SIGN OR DEVICE FARTEST FROM THE WORK AREA SHALL BE PLACED FIRST. THE OTHERS SHALL THEN BE PLACED PROGRESSIVELY TOWARD THE WORK AREA.
4. REGULATORY AND WARNING SIGNS WITHIN THE CONSTRUCTION ZONE THAT ARE IN CONFLICT WITH THE TRAFFIC CONTROL PLANS SHALL BE REMOVED OR COVERED. ALL SIGNS SHALL BE RESTORED UPON COMPLETION OF THE WORK.
5. FLAGGERS AND/OR POLICE OFFICERS, WHEN REQUIRED BY THE ISSUING OFFICE, SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES.
6. THE PERMITTEE SHALL INSTALL A FLASHING ARROW SIGNAL AS SHOWN ON THE TRAFFIC CONTROL PLANS.
7. SIGN SPACINGS, TAPER LENGTHS AND SPACINGS OF CONES OR DELINEATORS SHOWN ON THE TRAFFIC CONTROL PLANS SHALL BE USED, UNLESS OTHERWISE REQUIRED BY THE ISSUING OFFICE.
8. ALL TRAFFIC LANES SHALL BE A MINIMUM OF 10 FEET WIDE.
9. ALL CONSTRUCTION WARNING SIGNS SHALL BE PROMPTLY REMOVED OR COVERED WHENEVER THE MESSAGE IS NOT APPLICABLE OR NOT IN USE.
10. AS SOON AS THE WORK IS COMPLETED, THE PERMITTEE SHALL REMOVE ALL TRAFFIC CONTROL DEVICES NO LONGER NEEDED TO PERMIT FREE AND SAFE PASSAGE OF PUBLIC TRAFFIC. REMOVAL SHALL BE IN THE REVERSE ORDER OF INSTALLATION.
11. REPLACE PERMANENT PAVEMENT MARKINGS AND TRAFFIC SIGNS UPON COMPLETION OF EACH PHASE OF WORK.
12. TRAFFIC BARRIERS SHALL BE RAISED OR PROPPED UP IN EXCAVATED AREAS TO A POINT WHERE THEY ARE VISIBLE TO APPROACHING TRAFFIC. BARRIERS SHALL HAVE STEADY BURN AMBER LIGHTS.



DATE	_____
DESIGNED BY	_____
CHECKED BY	_____
NO.	_____



SECTION "Z-Z"
SCALE: 3/4" = 1'-0"



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DETOUR PLAN
PHASE 3
KAMEHAMEHA HIGHWAY WIDENING
PROJ. NO. 99C-01-90

SCALE: 1" = 80'
DATE: JAN. 1990
SHEET NO. 5 OF 5 SHEETS