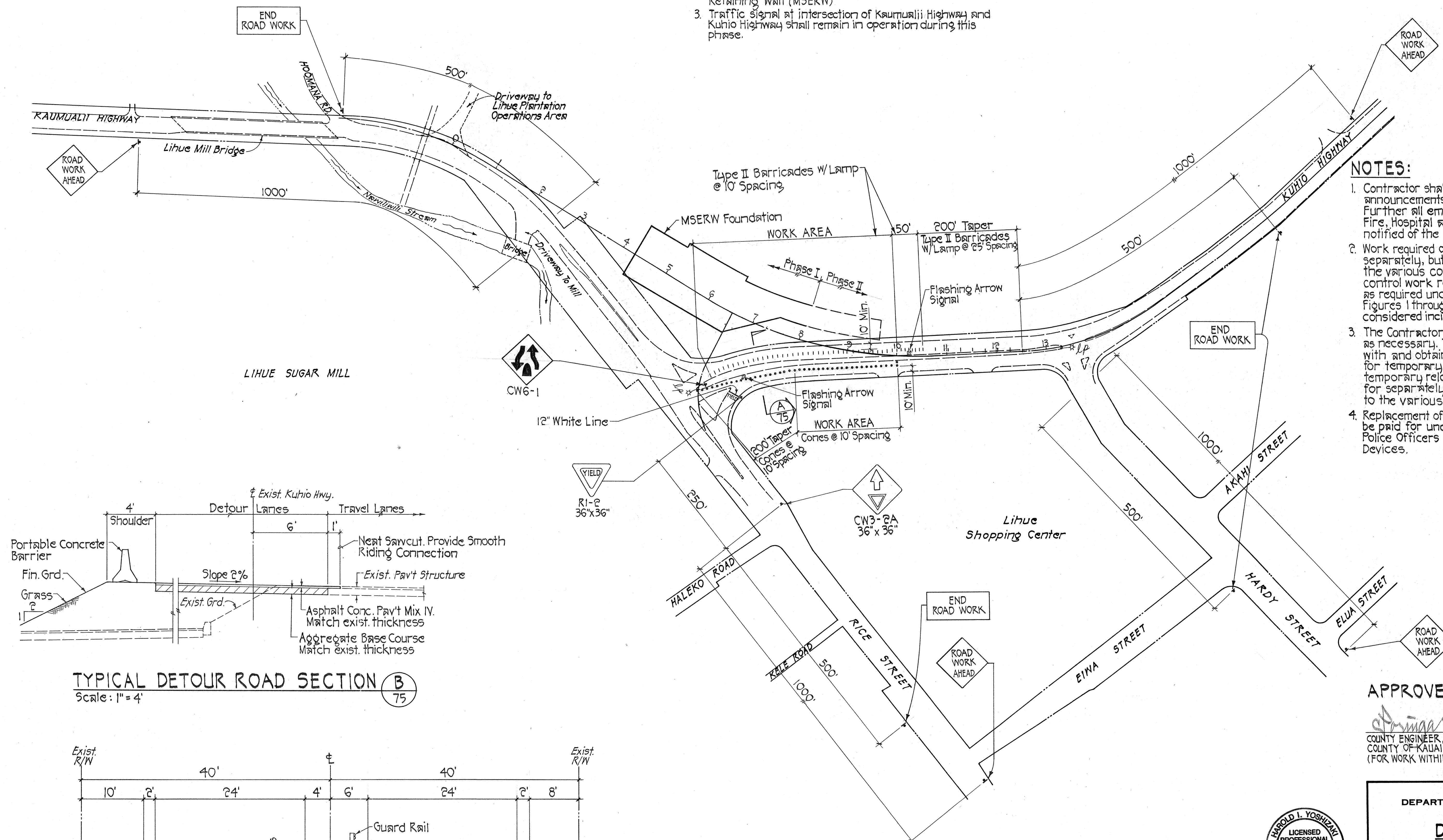


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	50E-01-98	1998	75	79

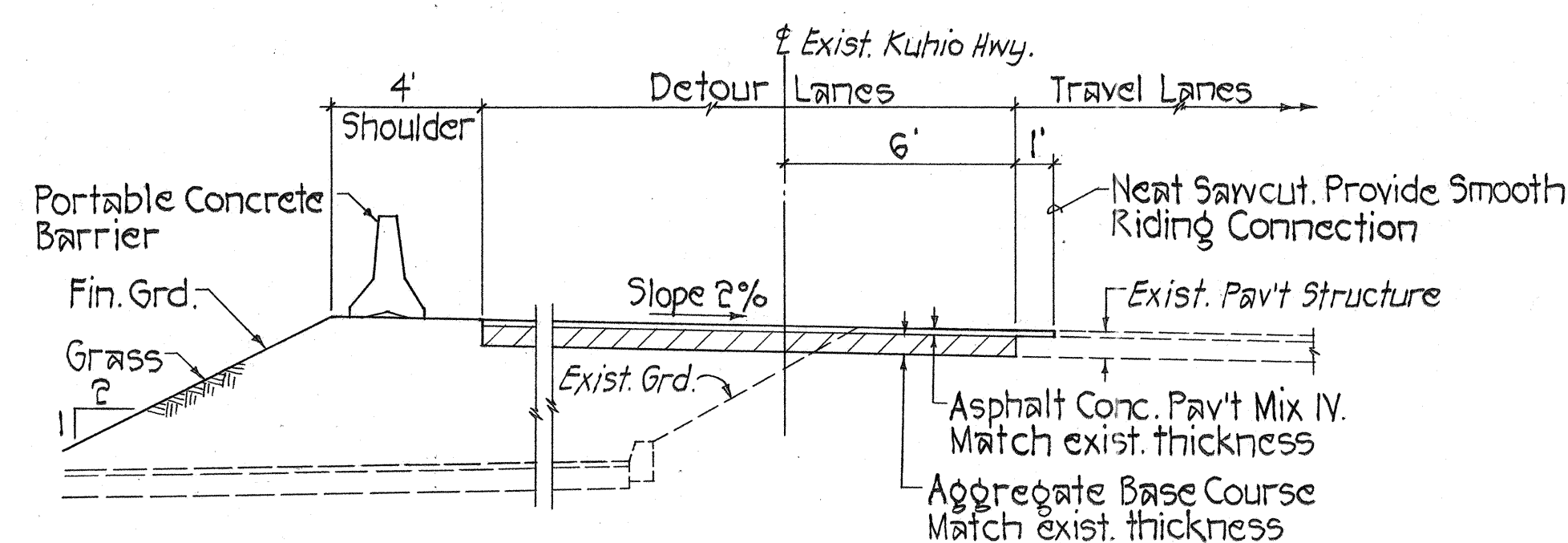
PHASE I

1. Build detour lanes through median on Kuhio Highway.
2. Construct portion of Mechanically Stabilized Earth Retaining Wall (MSERW)
3. Traffic signal at intersection of Kaumualii Highway and Kuhio Highway shall remain in operation during this phase.

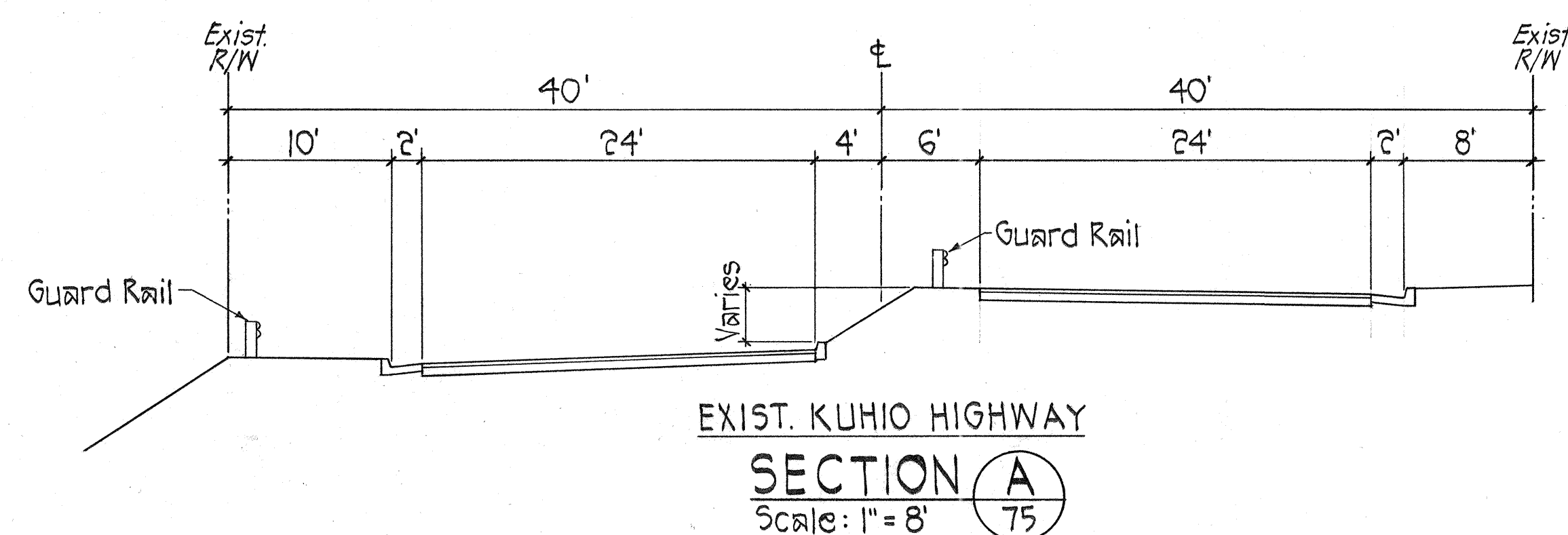


NOTES:

1. Contractor shall provide radio as well as newspaper announcements of the lane closure and detour. Further all emergency agencies such as Police, Fire, Hospital and Ambulance Service shall be notified of the lane closure and detour.
2. Work required on Detour plans will not be paid for separately, but shall be considered incidental to the various contract items. All other traffic control work required only during the work day, as required under Section 645, Traffic Control Plans Figures 1 through 7, will not be paid for but shall be considered incidental to the various contract items.
3. The Contractor shall temporarily relocate utilities as necessary. The Contractor shall coordinate with and obtain approval from the utility companies for temporary relocation work. The cost for temporary relocation of utilities will not be paid for separately, but shall be considered incidental to the various contract items.
4. Replacement of damaged Inertial Barriers shall be paid for under Item No. 645.0100 Additional Police Officers and/or Additional Traffic Control Devices.



TYPICAL DETOUR ROAD SECTION B
Scale: 1" = 4'

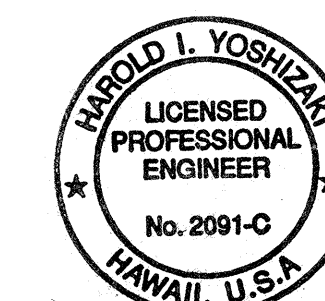


EXIST. KUHIO HIGHWAY
SECTION A
Scale: 1" = 8'

DETOUR PLAN~PHASE I
Scale: 1" = 100'

APPROVED:

[Signature] 7/31/98
COUNTY ENGINEER, DEPT. OF PUBLIC WORKS
COUNTY OF KAUAI
(FOR WORK WITHIN COUNTY R/W)



THIS WORK WAS PREPARED BY ME OR
UNDER MY SUPERVISION
Harold I. Yoshizaki
SHINABUKURO, ENDO & YOSHIKAWA, INC.
1126 12th Avenue
Honolulu, Hawaii 96816

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DETOUR PLAN
PHASE I
KAUMUALII HIGHWAY, KUHIO HIGHWAY &
RICE STREET INTERSECTION IMPROVEMENTS
PROJECT NO. 50E-01-98

SCALE: AS NOTED
DATE:

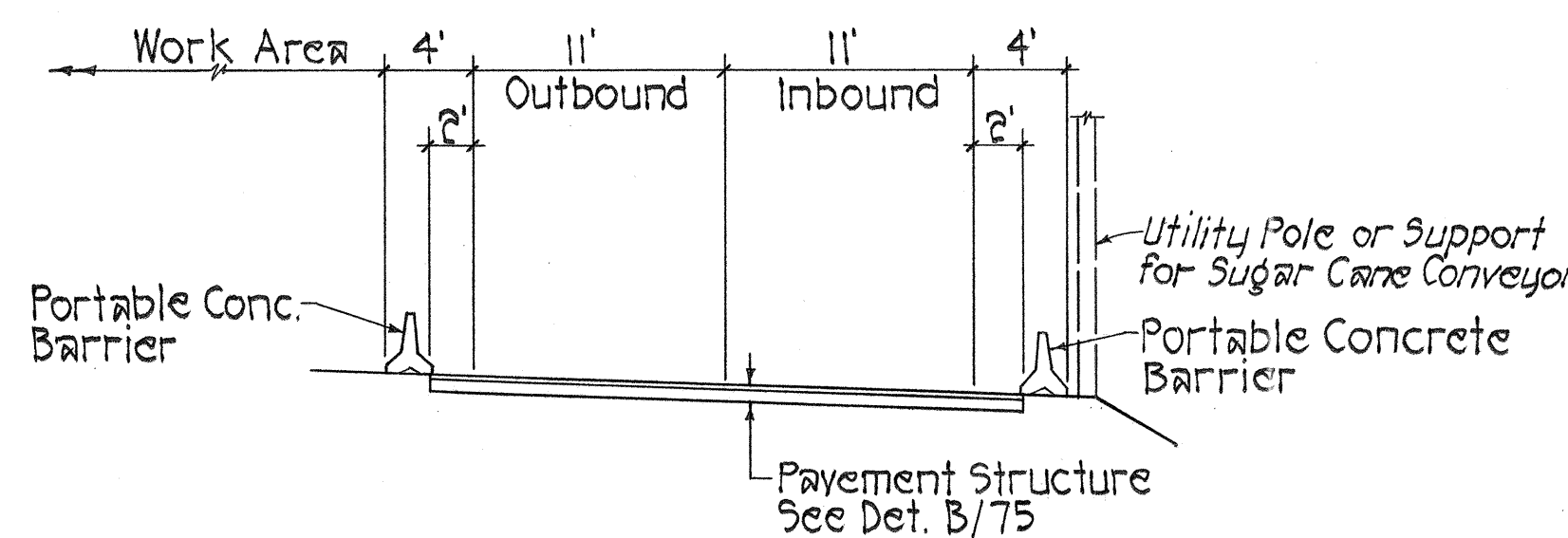
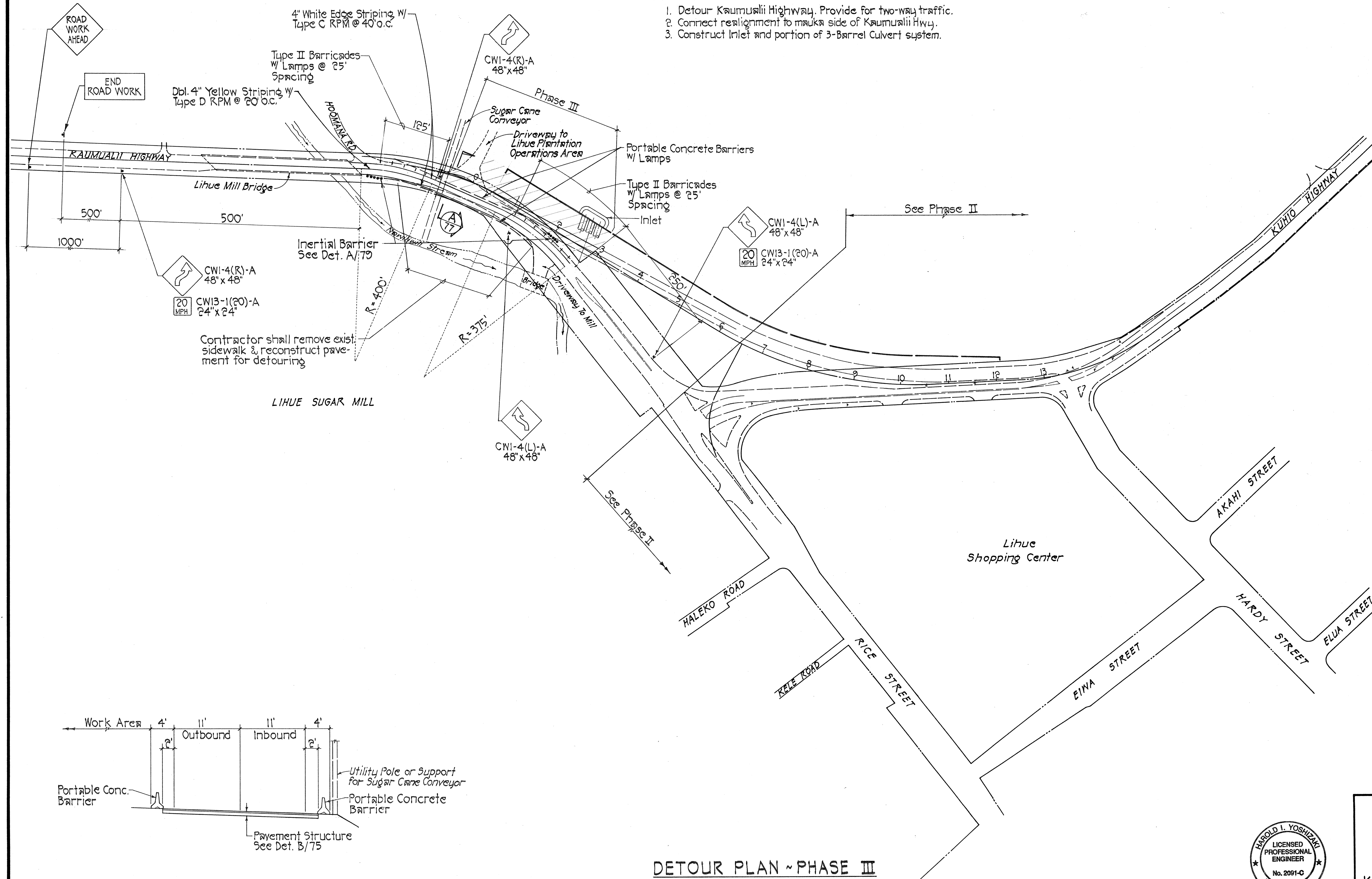
SHEET NO. 1 OF 4 SHEETS

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

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	50E-01-98	1998	77	79

PHASE III

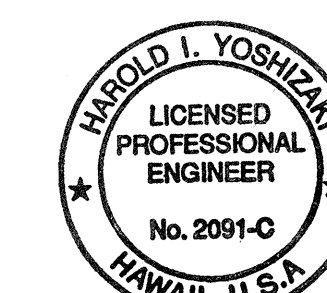
1. Detour Kaumualii Highway. Provide for two-way traffic.
2. Connect realignment to mauka side of Kaumualii Hwy.
3. Construct Inlet and portion of 3-Barrel Culvert system.



DETOUR PLAN - PHASE III

Scale: 1" = 100'

SECTION A
Scale: 1" = 8'



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Harold I. Yoshizaki
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1126 12th Avenue
Honolulu, Hawaii 96816

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**DETOUR PLAN
PHASE III**

KAUMUALII HIGHWAY, KUHIO HIGHWAY &
RICE STREET INTERSECTION IMPROVEMENTS
PROJECT NO. 50E-01-98

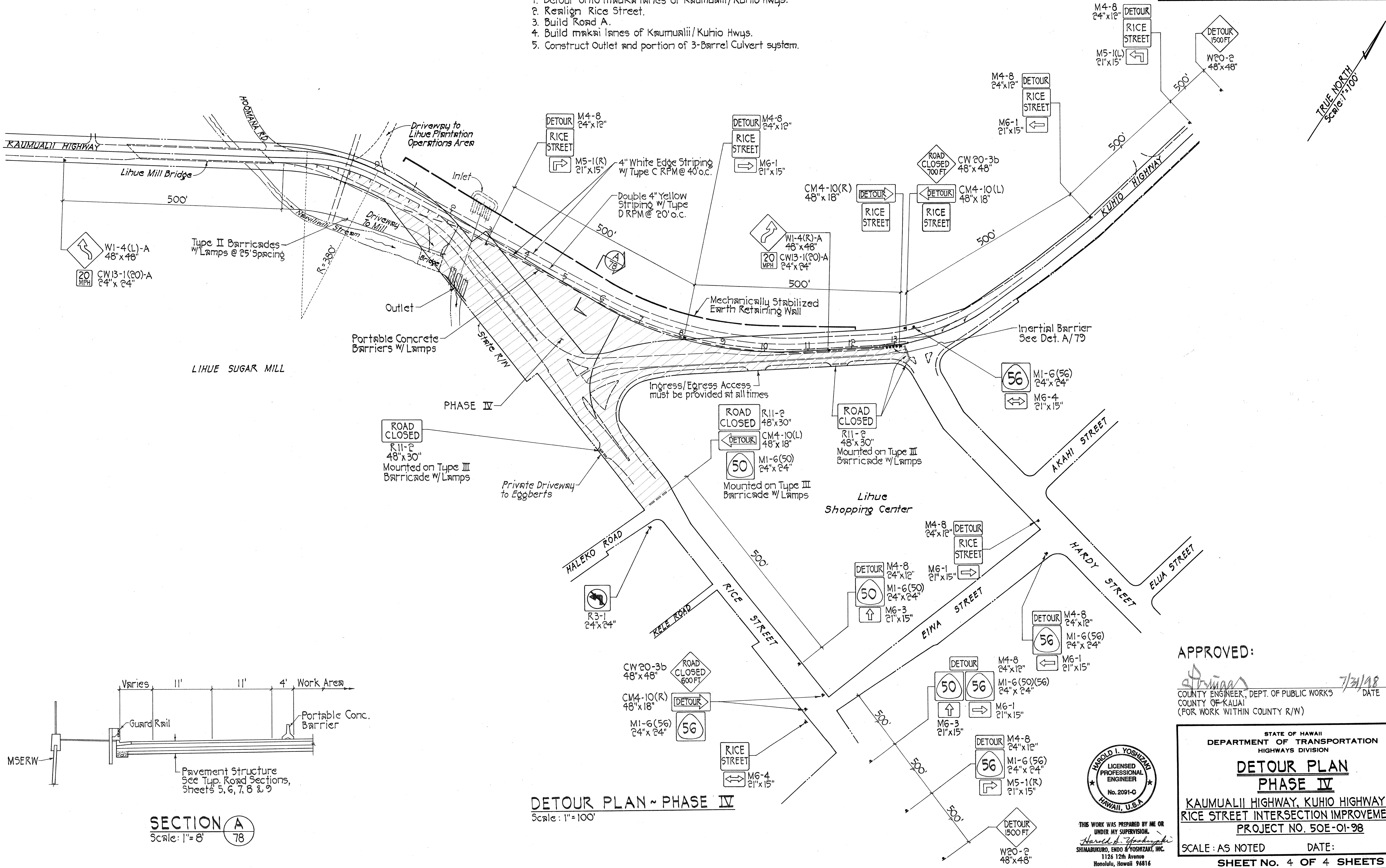
SCALE: AS NOTED DATE:

SHEET NO. 3 OF 4 SHEETS

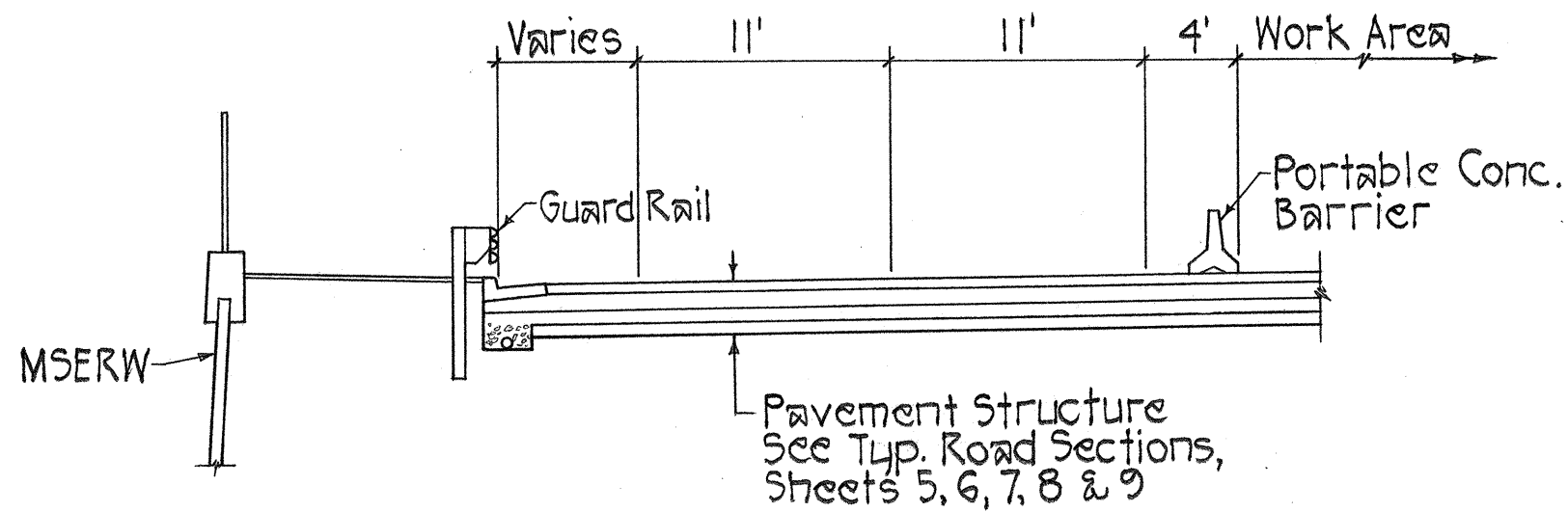
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	50E-01-98	1998	78	79

PHASE IV

1. Detour onto makai lanes of Kaumualii/Kuhio Hwys.
2. Realign Rice Street.
3. Build Road A.
4. Build makai lanes of Kaumualii/Kuhio Hwys.
5. Construct Outlet and portion of 3-Barrel Culvert system.



DATE	7/31/98
SURVEY PLOTTED BY	...
DRAWN BY	...
DESIGNED BY	...
QUANTITIES BY	...
CHECKED BY	...
ORIGINAL PLAN	...
NOTE BOOK	...
NO.	...



SECTION A
Scale: 1"=8'

DETOUR PLAN ~ PHASE IV
Scale: 1"=100'

APPROVED:
[Signature] 7/31/98
COUNTY ENGINEER, DEPT. OF PUBLIC WORKS
COUNTY OF KAUAI
(FOR WORK WITHIN COUNTY R/W)



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
Harold I. Yoshizaki
SHIMABUKURO, ENDO & YOSHIZAKI, INC.
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Honolulu, Hawaii 96816

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DETOUR PLAN
PHASE IV

KAUMUALII HIGHWAY, KUHIO HIGHWAY &
RICE STREET INTERSECTION IMPROVEMENTS
PROJECT NO. 50E-01-98

SCALE: AS NOTED DATE: 7/31/98

SHEET NO. 4 OF 4 SHEETS

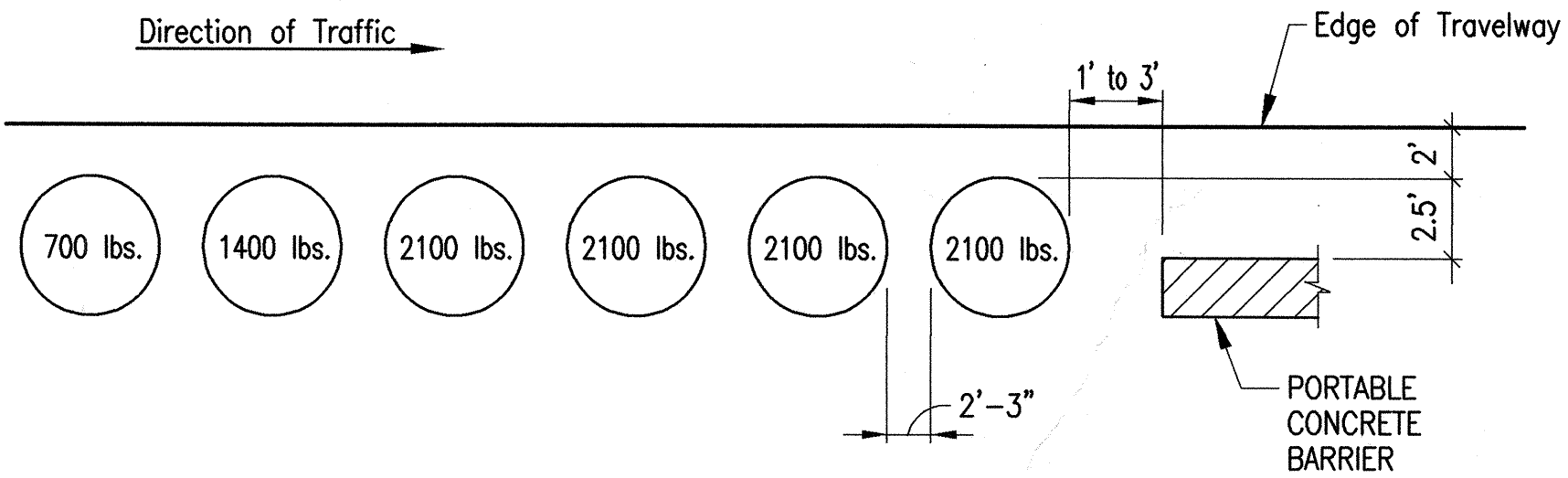
P H A S E I			
E S T I M A T E D Q U A N T I T I E S			
ITEM NO.	ITEM	QUANTITY	UNIT
1	Traffic Cones	45	Each
2	Type II Barricades w/Lamp	55	Each
3	Flashing Arrow Signal	2	Each
4	Traffic Control Signs	11	Each
5	12" White Line	25	Lin. Ft.

P H A S E III			
E S T I M A T E D Q U A N T I T I E S			
ITEM NO.	ITEM	QUANTITY	UNIT
1	Portable Concrete Barrier w/Lamp	36	Each
2	Inertial Barrier	2	Each
3	Type II Barricades w/Lamp	10	Each
4	Traffic Control Sign	6	Each
5	4" Pavement Stripe	1000	Lin. Ft.
6	4" Double Pavement Stripe	500	Lin. Ft.
7	Type CL Pavement Marker	25	Each
8	Type DL Pavement Marker	25	Each

P H A S E II			
E S T I M A T E D Q U A N T I T I E S			
ITEM NO.	ITEM	QUANTITY	UNIT
1	Portable Concrete Barrier w/Lamp	40	Each
2	Type II Barricades w/Lamp	10	Each
3	Type III Barricades w/Lamp	4	Each
4	Traffic Control Sign	10	Each
5	4" Pavement Stripe	1000	Lin. Ft.
6	4" Double Pavement Stripe	950	Lin. Ft.
7	Pavement Arrow	3	Each
8	Type CL Pavement Marker	25	Each
9	Type DL Pavement Marker	50	Each
10	Inertial Barrier	1	Each

P H A S E IV			
E S T I M A T E D Q U A N T I T I E S			
ITEM NO.	ITEM	QUANTITY	UNIT
1	Portable Concrete Barriers w/Lamp	60	Each
2	Crash Cushion	1	Each
3	Type II Barricades w/Lamp	18	Each
4	Type III Barricades w/Lamp	10	Each
5	Traffic Control Sign	52	Each
6	4" Pavement Stripe	3400	Lin. Ft.
7	4" Double Pavement Stripe	1700	Lin. Ft.
8	Type CL Pavement Marker	85	Each
9	Type DL Pavement Marker	85	Each

FED.ROAD DIST. NO	STATE	PROJ. NO	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	50E-01-98	1998	79	79



INERTIAL BARRIER DETAIL A
NOT TO SCALE 79

SURVEY PLOTTED	DATE
DRAWN BY	
TRACED BY	
CHECKED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	

HAROLD I. YOSHIZAKI
LICENSED PROFESSIONAL ENGINEER
No. 2091-C
HAWAII, U.S.A.
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
SHIMABUKURO, ENDO & YOSHIZAKI, INC.
1126 12th Avenue
Honolulu, Hawaii 96816

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
DETOUR PLAN
ESTIMATED QUANTITIES
KAUMUALII HIGHWAY, KUHIO HIGHWAY &
RICE STREET INTERSECTION IMPROVEMENTS
PROJECT NO. 50E-01-98
SCALE: AS NOTED DATE:
SHEET NO. 1 OF 1 SHEETS