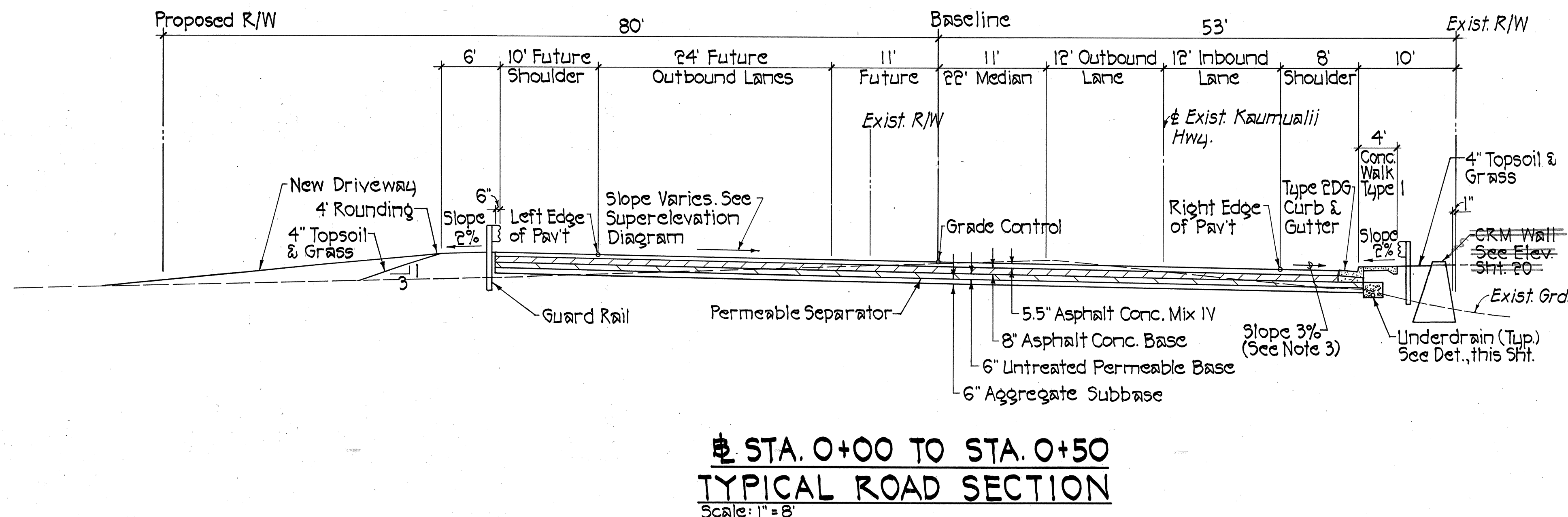
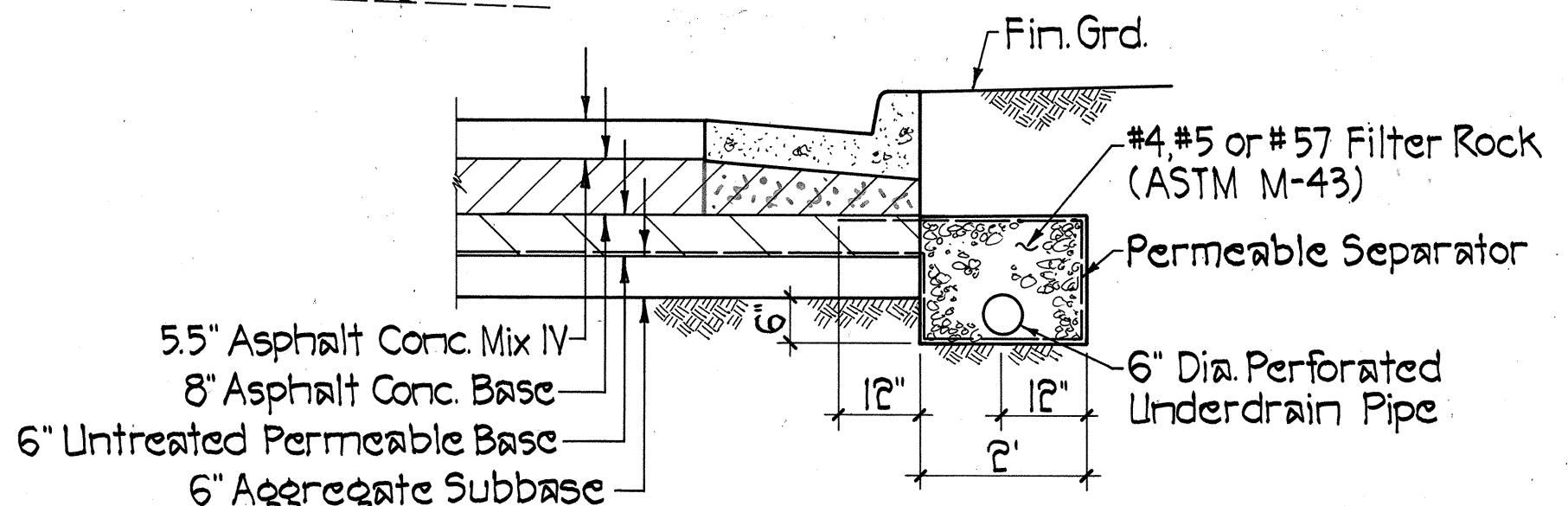
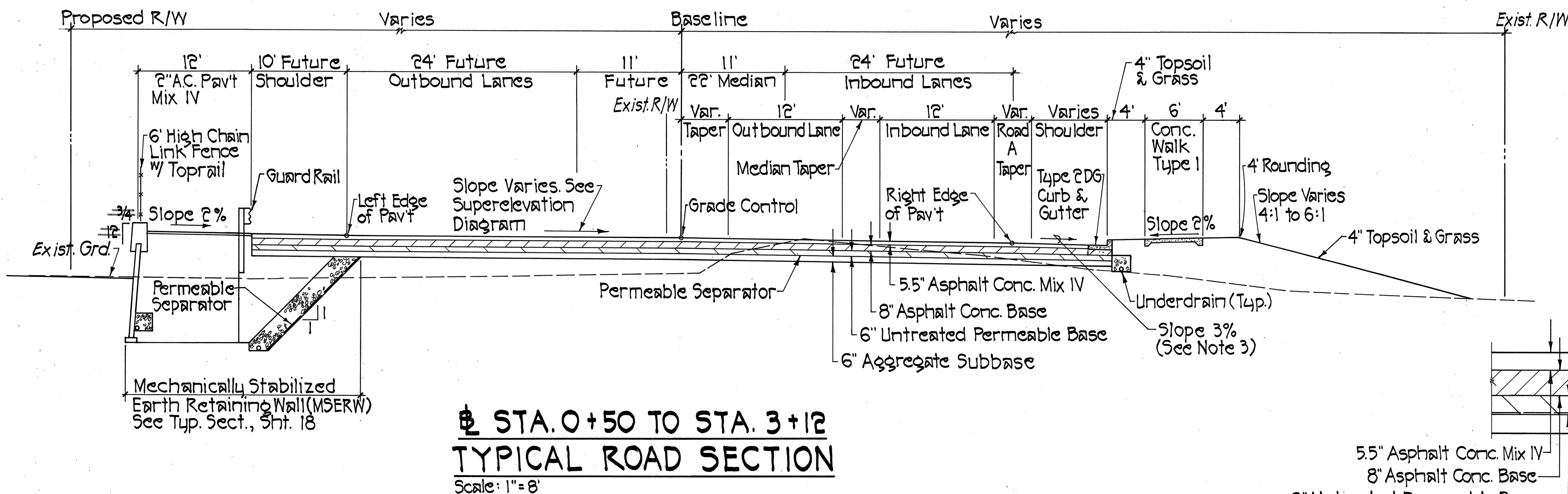
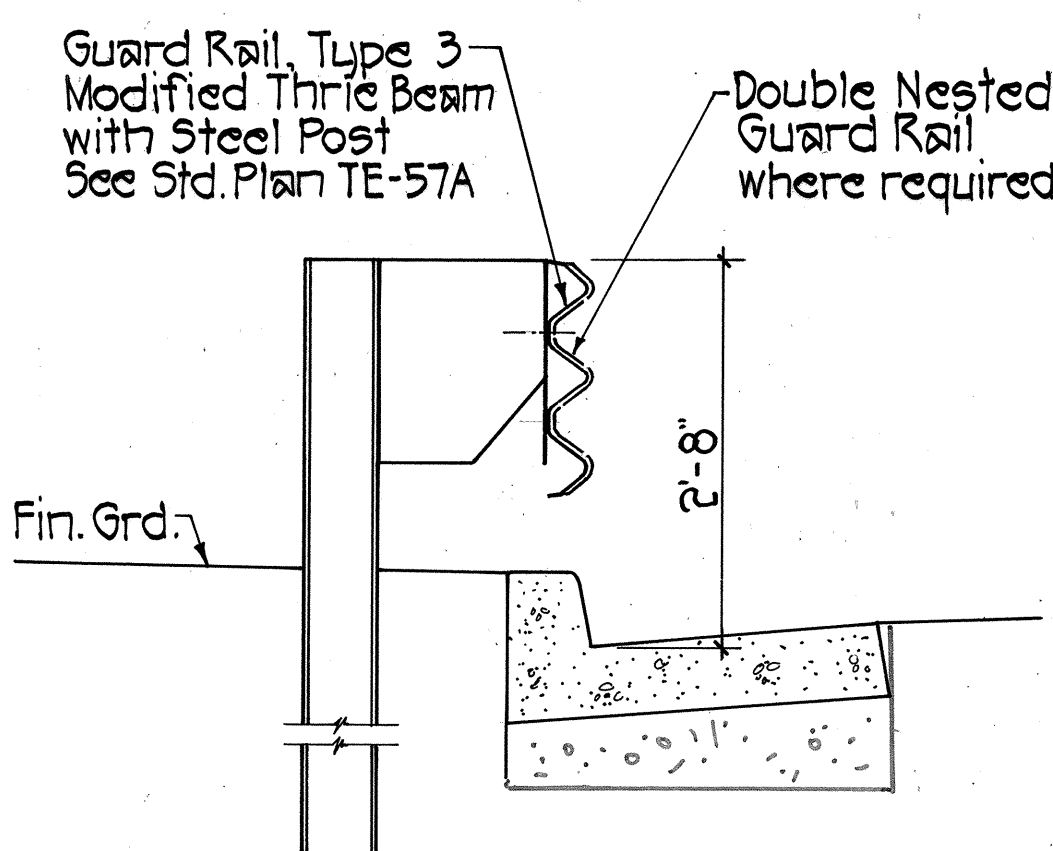
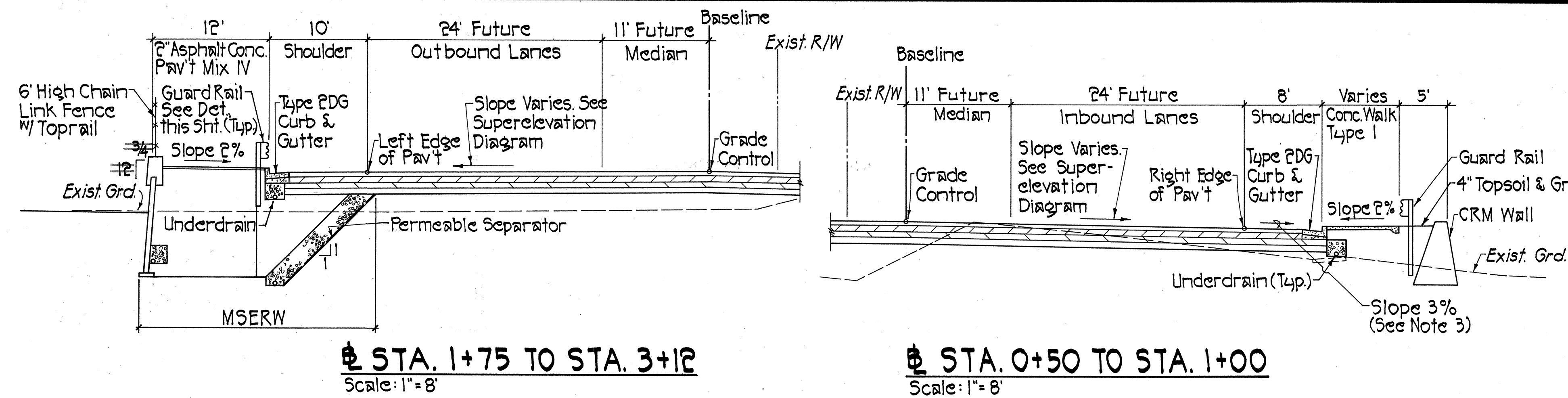


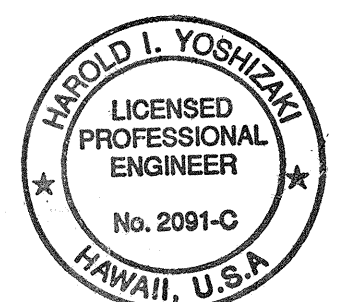
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	50E-01-98	1998	5	79



TYPICAL UNDERDRAIN DETAIL

NOTES:

1. Permeable Separator for roadway shall be Type 1.
2. Permeable Separator for MSERW foundation and filter shall be Type 2.
3. Right shoulder slope between Sta. 0+00 to 1+50 shall be 3%.



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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TYPICAL SECTIONS
STA. 0+00 TO 3+12

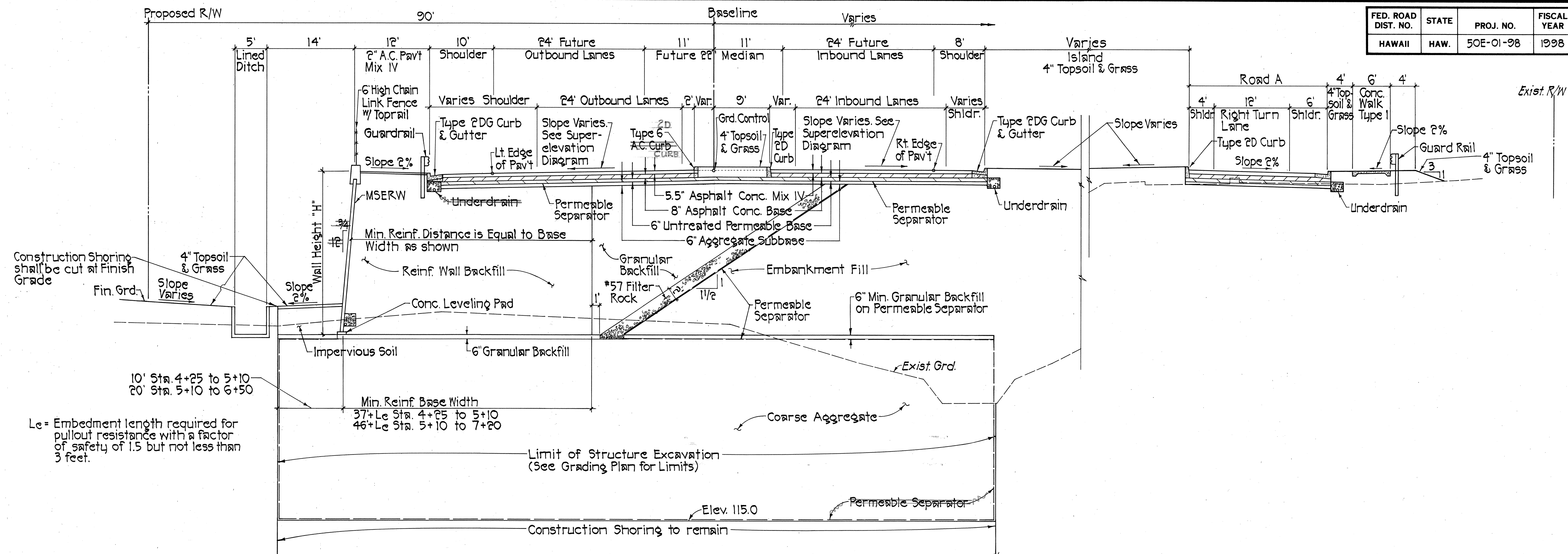
KAUMUALII HIGHWAY, KUHIO HIGHWAY &
RICE STREET INTERSECTION IMPROVEMENTS
PROJECT NO. 50E-01-98

SCALE: AS NOTED DATE: _____

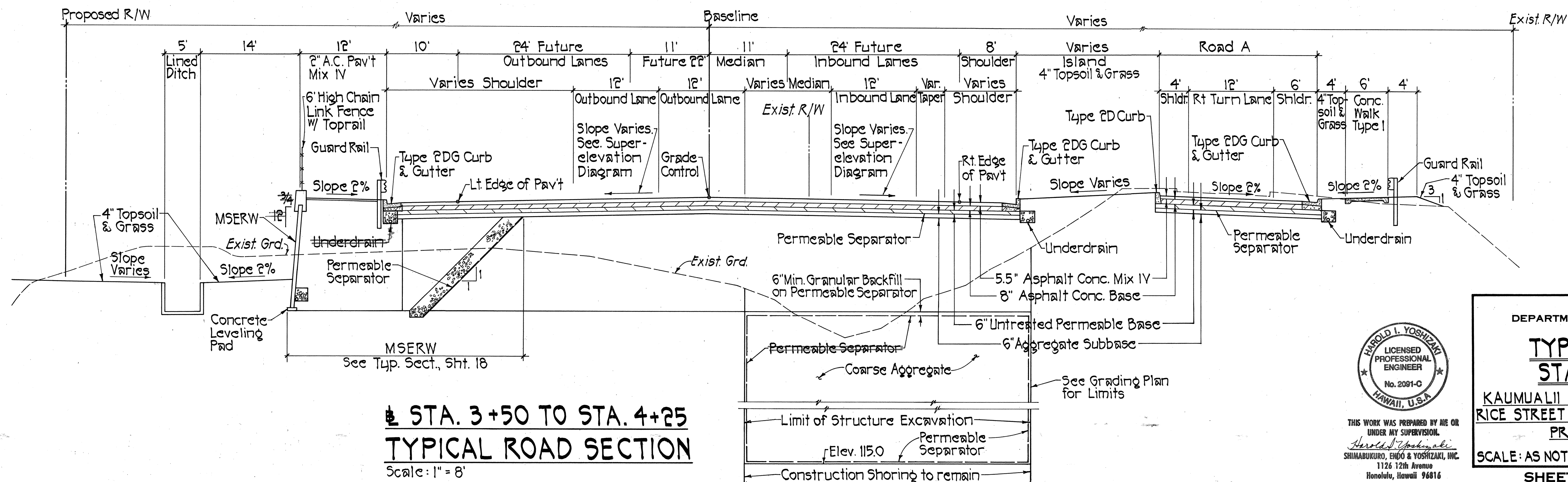
SHEET NO. 1 OF 5 SHEETS

DATE	_____
SURVEY PLOTTED BY	_____
DESIGNED BY	_____
QUANTITIES BY	_____
CHECKED BY	_____
ORIGINAL PLAN	_____
NOTE BOOK	_____
No.	_____

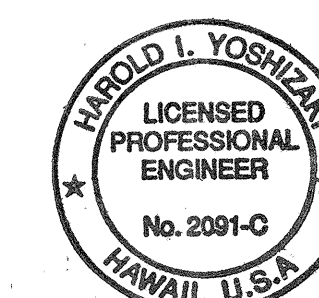
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	50E-01-98	1998	6	79



STA. 4+25 TO STA. 6+50
TYPICAL ROAD SECTION
Scale: 1" = 8'



STA. 3+50 TO STA. 4+25
TYPICAL ROAD SECTION
Scale: 1" = 8'



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1126 12th Avenue
Honolulu, Hawaii 96816

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

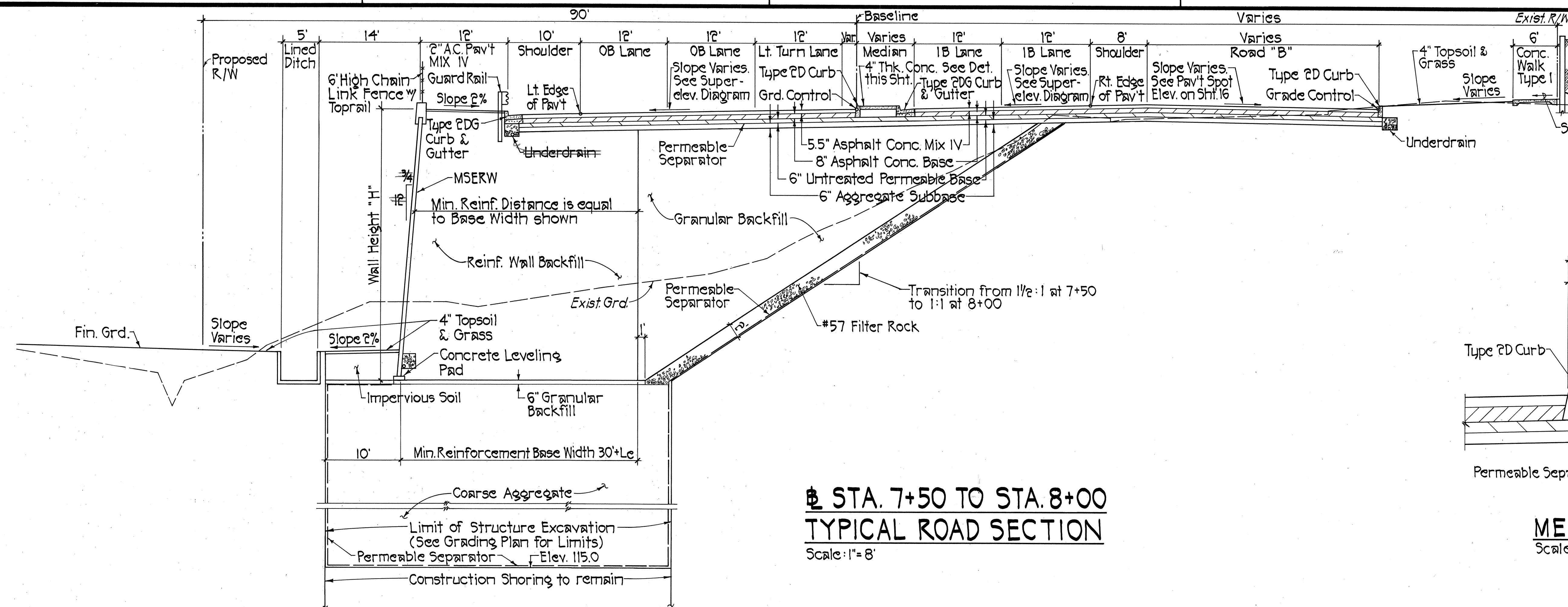
TYPICAL SECTIONS
STA. 3+12 TO 6+50
KAUMUALII HIGHWAY, KUHIO HIGHWAY &
RICE STREET INTERSECTION IMPROVEMENTS
PROJECT NO. 50E-01-98

SCALE: AS NOTED DATE: _____
SHEET NO. 2 OF 5 SHEETS

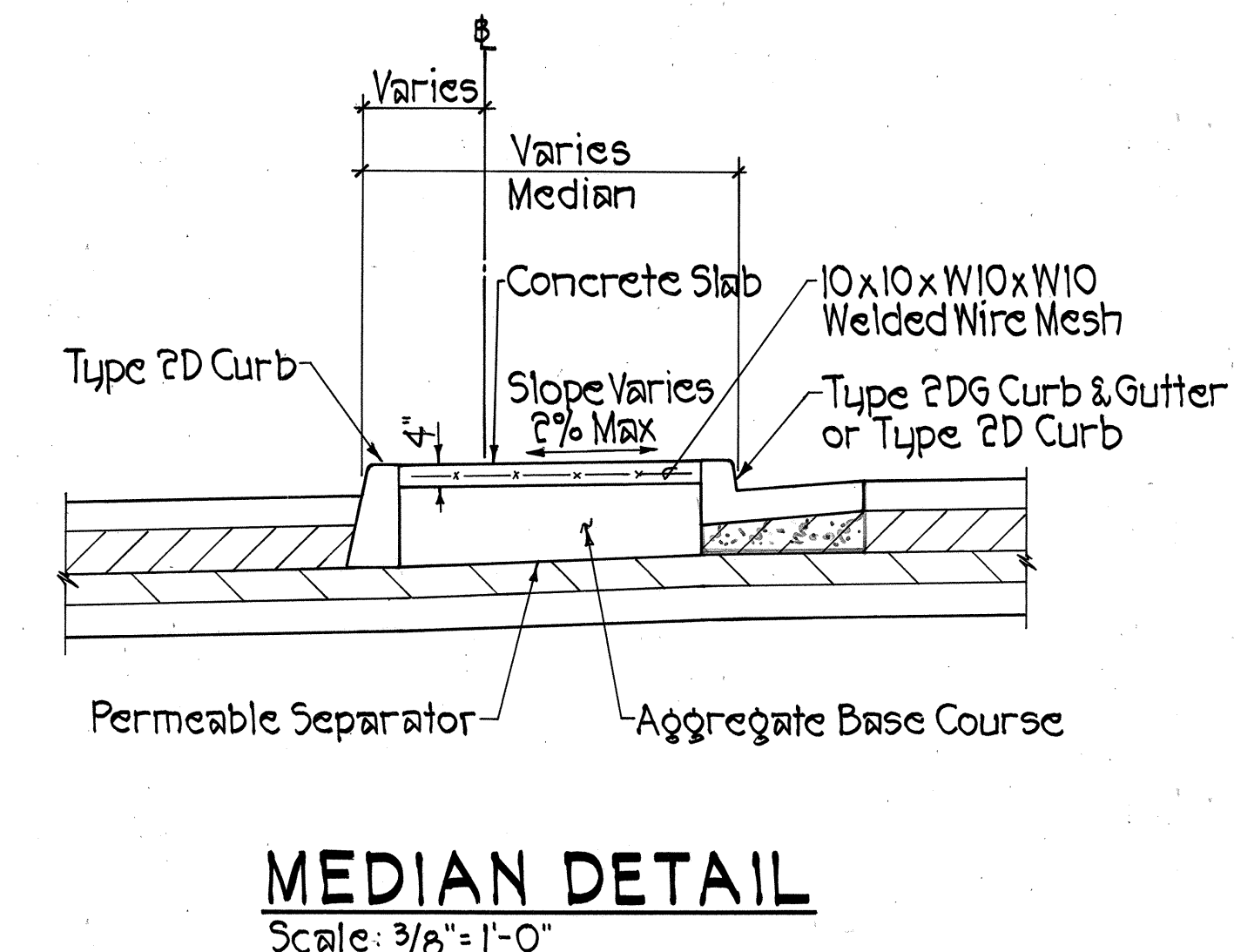
"AS-BUILT"

6

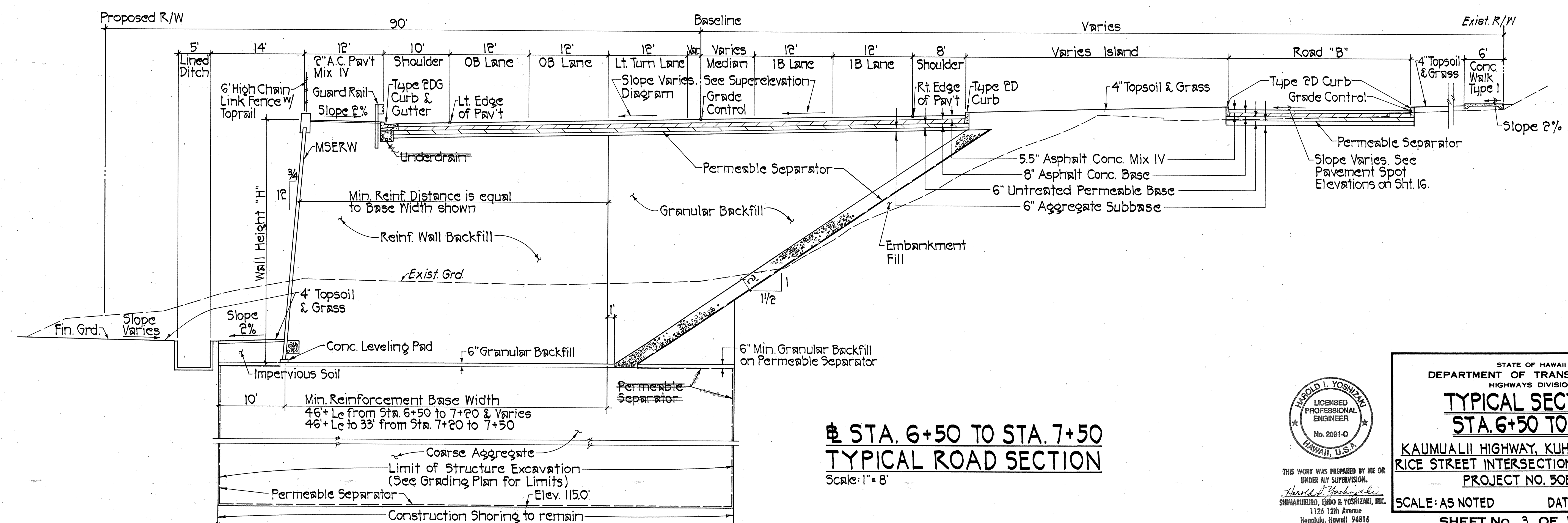
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	50E-01-98	1998	7	79



STA. 7+50 TO STA. 8+00
TYPICAL ROAD SECTION
 Scale: 1" = 8'



MEDIAN DETAIL
 Scale: 3/8" = 1'-0"



STA. 6+50 TO STA. 7+50
TYPICAL ROAD SECTION
 Scale: 1" = 8'

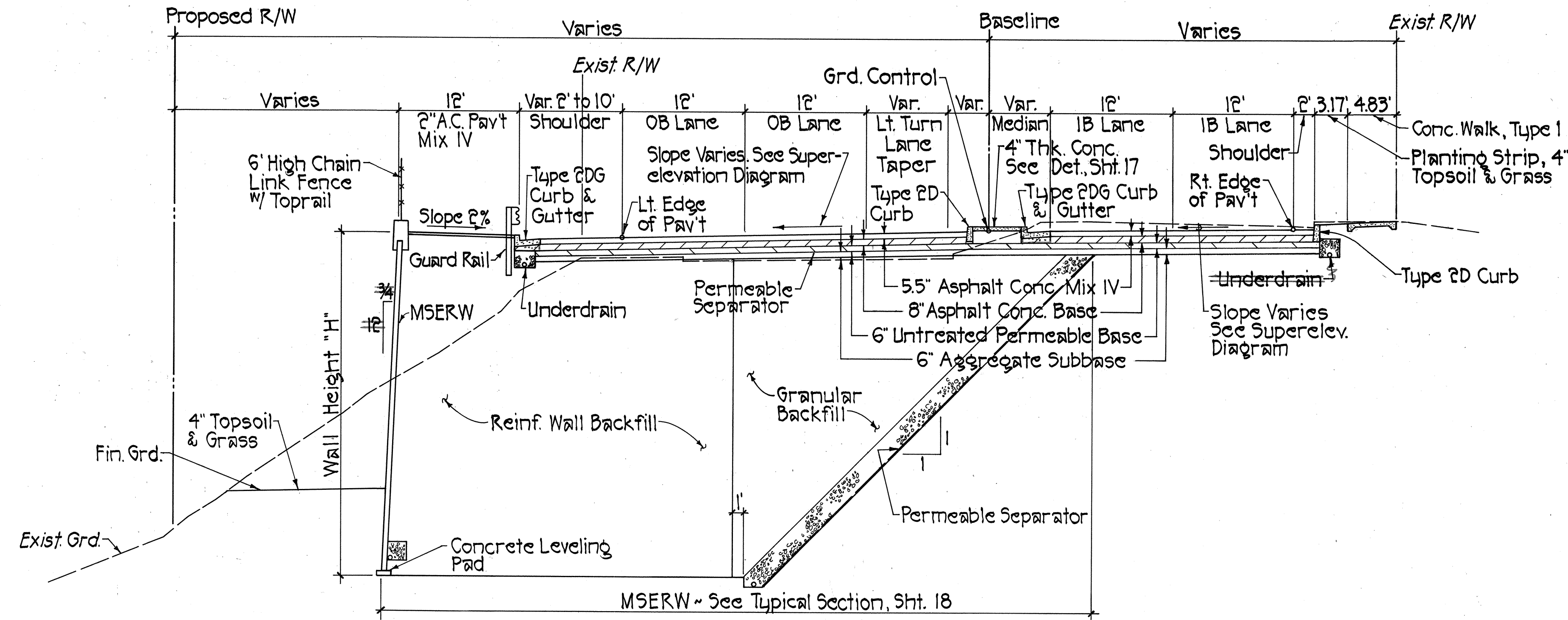
DATE	
DESIGNED BY	
CHECKED BY	
NO.	

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

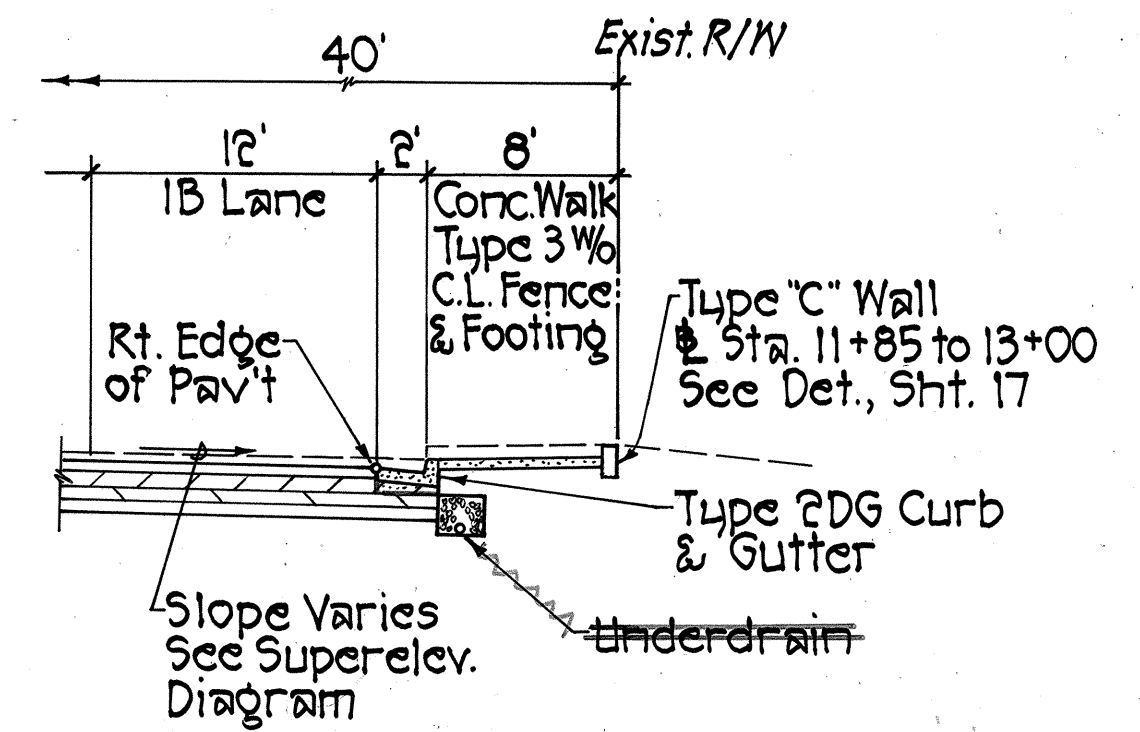
STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
TYPICAL SECTIONS
STA. 6+50 TO 8+00
 KAUMUALII HIGHWAY, KUHIO HIGHWAY &
 RICE STREET INTERSECTION IMPROVEMENTS
 PROJECT NO. 50E-01-98
 SCALE: AS NOTED DATE:
 SHEET No. 3 OF 5 SHEETS

"AS-BUILT"

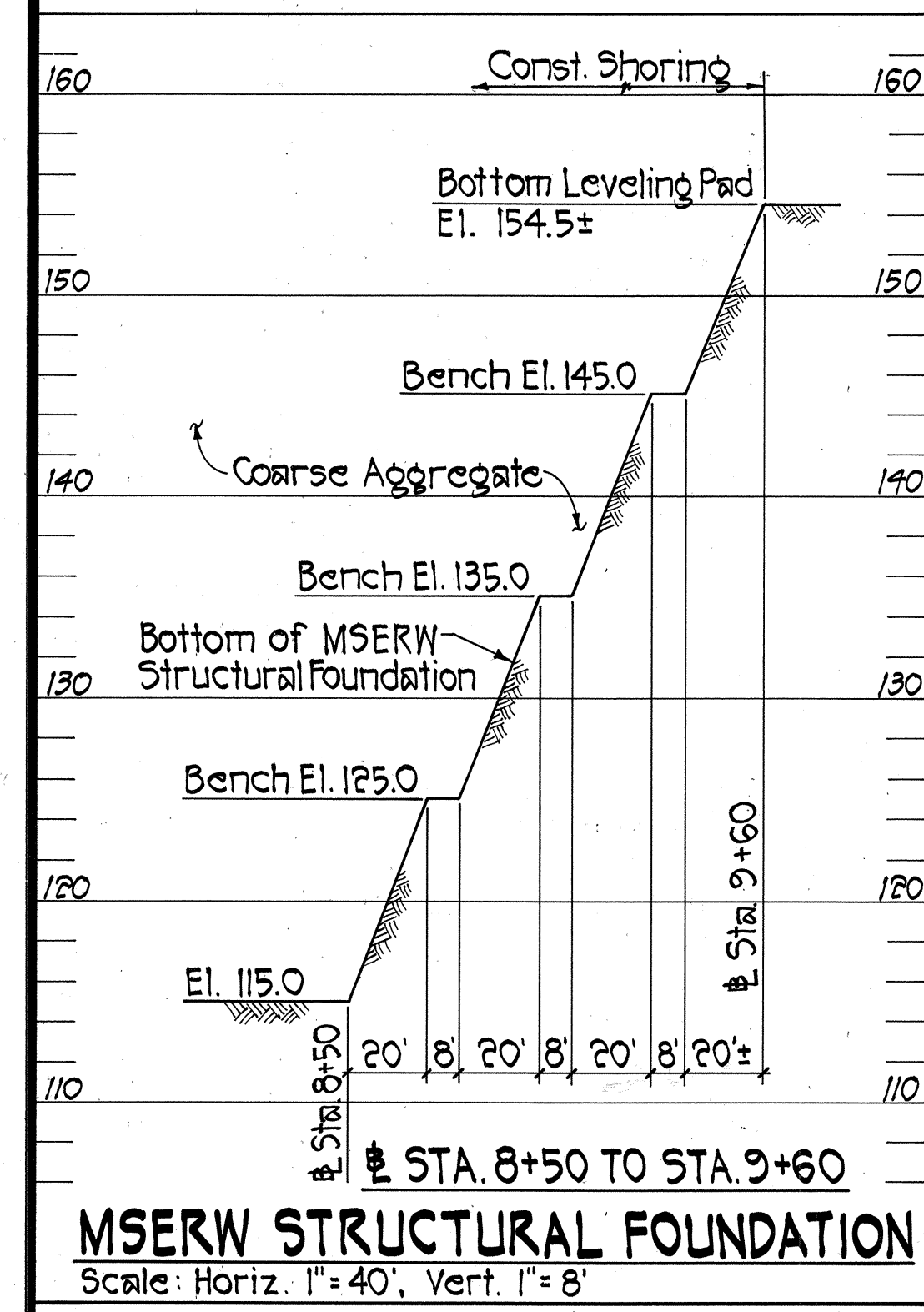
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	50E-01-98	1998	8	79



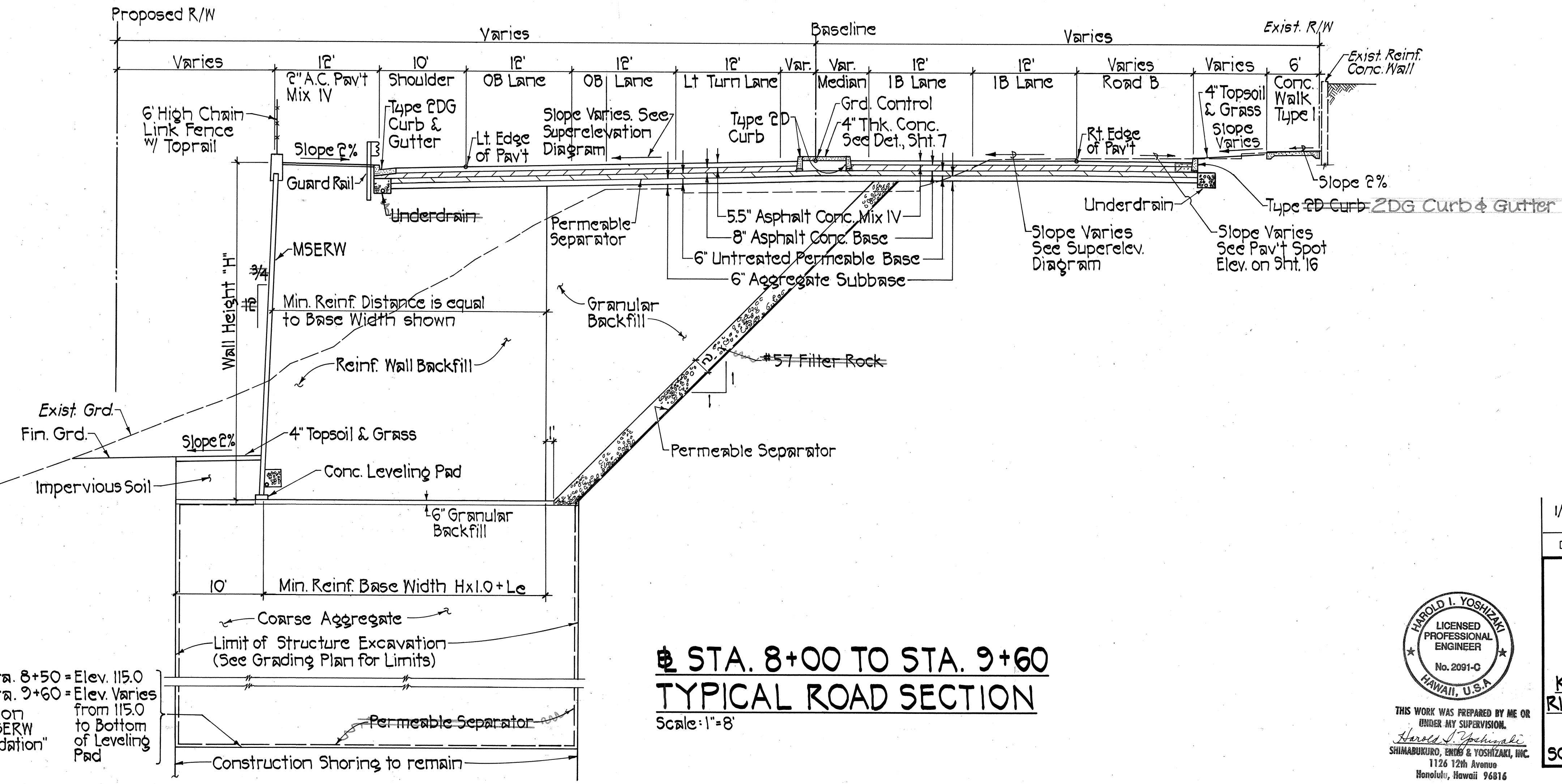
STA. 9+60 TO STA. 13+30
TYPICAL ROAD SECTION
 Scale: 1"=8'



STA. 11+85 TO STA. 13+00
 Scale: 1"=8'



STA. 8+50 TO STA. 9+60
MSERW STRUCTURAL FOUNDATION
 Scale: Horiz. 1"=40', Vert. 1"=8'

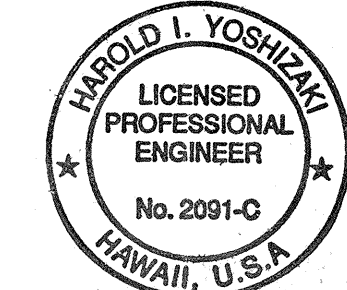


STA. 8+00 TO STA. 9+60
TYPICAL ROAD SECTION
 Scale: 1"=8'

DATE	1/27/00
SURVEY PLOTTED BY	SHIMABUKURO, ENDO & YOSHIZAKI, INC.
DESIGNED BY	SHIMABUKURO, ENDO & YOSHIZAKI, INC.
CHECKED BY	SHIMABUKURO, ENDO & YOSHIZAKI, INC.
ORIGINAL PLAN	NO.
NOTE BOOK	NO.

Sta. 8+00 to Sta. 8+50 = Elev. 115.0
 Sta. 8+50 to Sta. 9+60 = Elev. Varies from 115.0 to Bottom of Leveling Pad
 Bench Foundation Bottom. See "MSERW Structural Foundation" Detail, this Sht.

1/27/00	Revised Inbound Lanes - Sta. 9+60 to 13+30 Typ. Rd Sect. Added Sta. 11+85 to 13+30 Sidewalk Sect.
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
TYPICAL SECTIONS STA. 8+00 TO 13+00	
KAUMUALII HIGHWAY, KUHIO HIGHWAY & RICE STREET INTERSECTION IMPROVEMENTS PROJECT NO. 50E-01-98	
SCALE: AS NOTED	DATE:
SHEET NO. 4 OF 5 SHEETS	



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 HAROLD I. YOSHIZAKI
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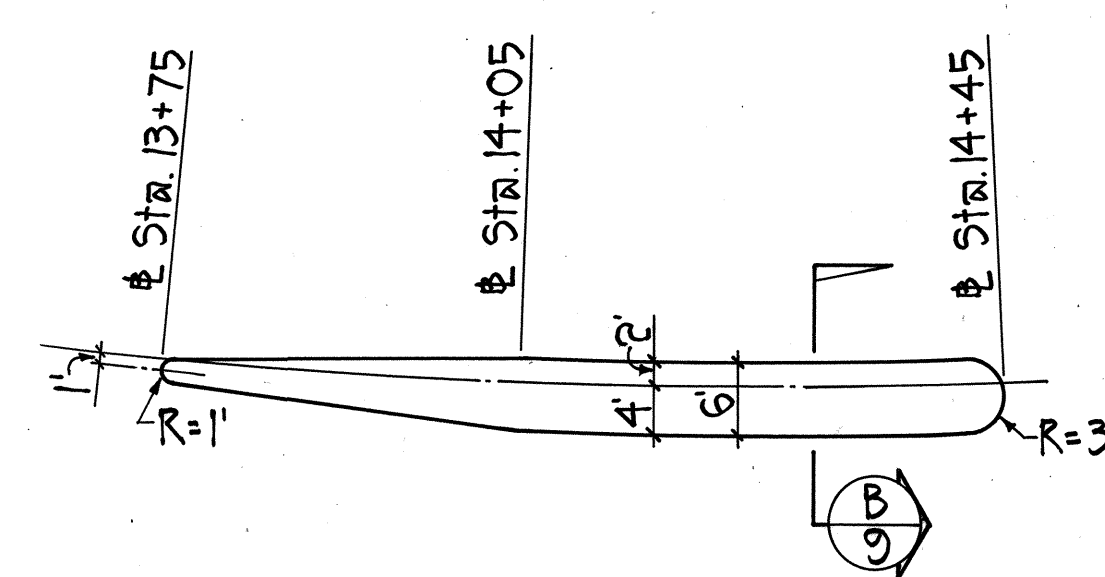
"AS-BUILT"

C.O. 8

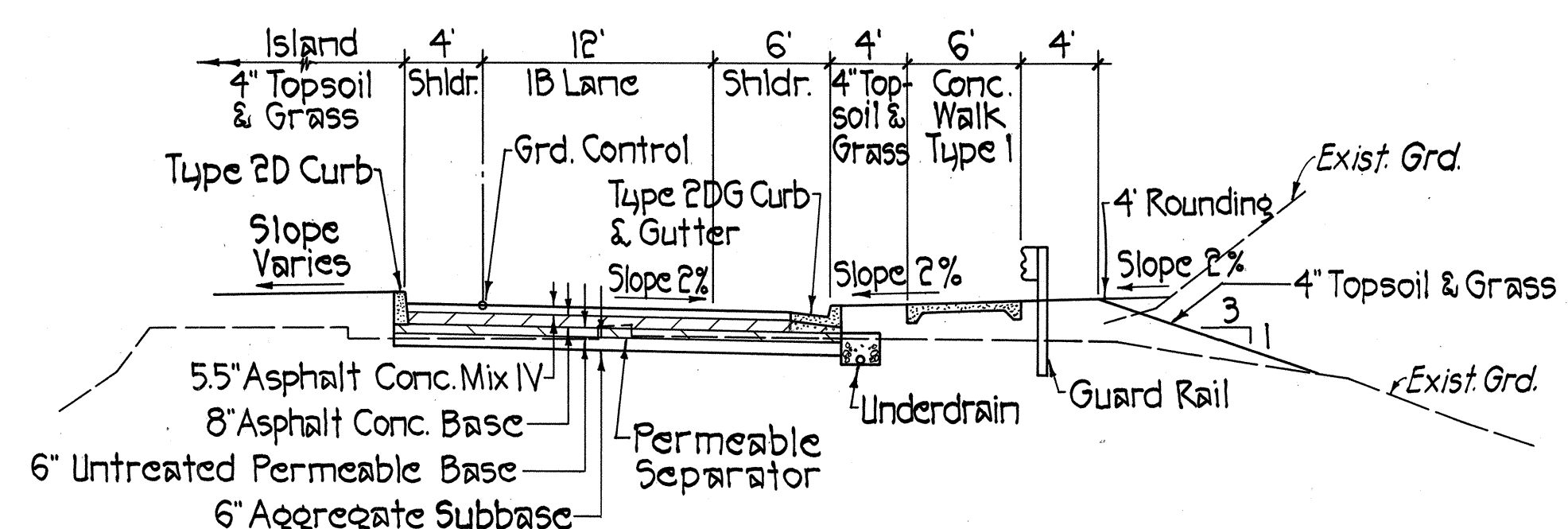
Diagram of a concrete curb cross-section. The curb is 6'-0" wide at the top and 5'-6" wide at the base. The top 3" is Asphalt Concrete Mix No. IV, and the bottom 6" is concrete. The curb is 6" high. The base is labeled "Exist. Grd."

Paint Curb Face Yellow.
All Sides. Provide 2 coats
Traffic Paint

NOTE:
Painting of curb face will not be paid for separately but shall be considered incidental to the AC island.

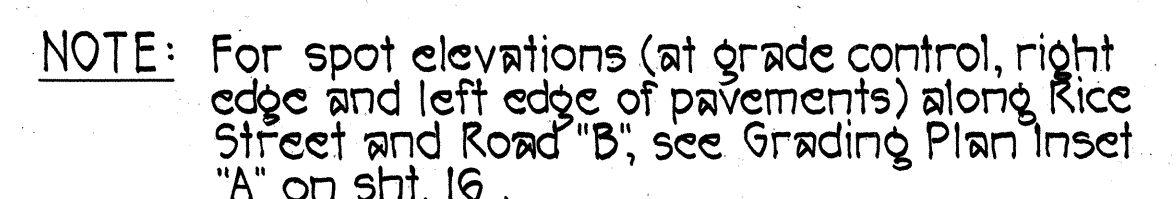


RICE ST. ~ STA. 3+10 TO STA. 4+64.10
TYPICAL ROAD SECTION
Scale: 1"=8'



The diagram illustrates a pavement transition. On the left, a cross-section shows a 5.5" AC Pav't Mix No. IV layer. A horizontal line indicates the 'Top of Exist. Pav't'. A vertical line marks a 'Sawcut'. To the right of the sawcut, the pavement transitions to a 'New 2" AC Pavement Mix No. IV'. The transition area is labeled 'Varies Transition'. Below the transition, a hatched area represents the 'Cold Plane exist. AC Pav't 0" to 2"'. Another 'Sawcut' is indicated on the far right.

COLD PLANED TRANSITION
TO EXISTING A.C. PAYEMENT DETAIL @
BEGIN & ENDS OF PROJECT
Not To Scale



6/18/98	Added A.C. Island Detail A/9 & Section B/9.
DATE	REVISION

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

TYPICAL SECTIONS
RICE ST. & ROAD "A"

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

SCALE: AS NOTED DATE:

SHEET No. 5 OF 5 SHEETS