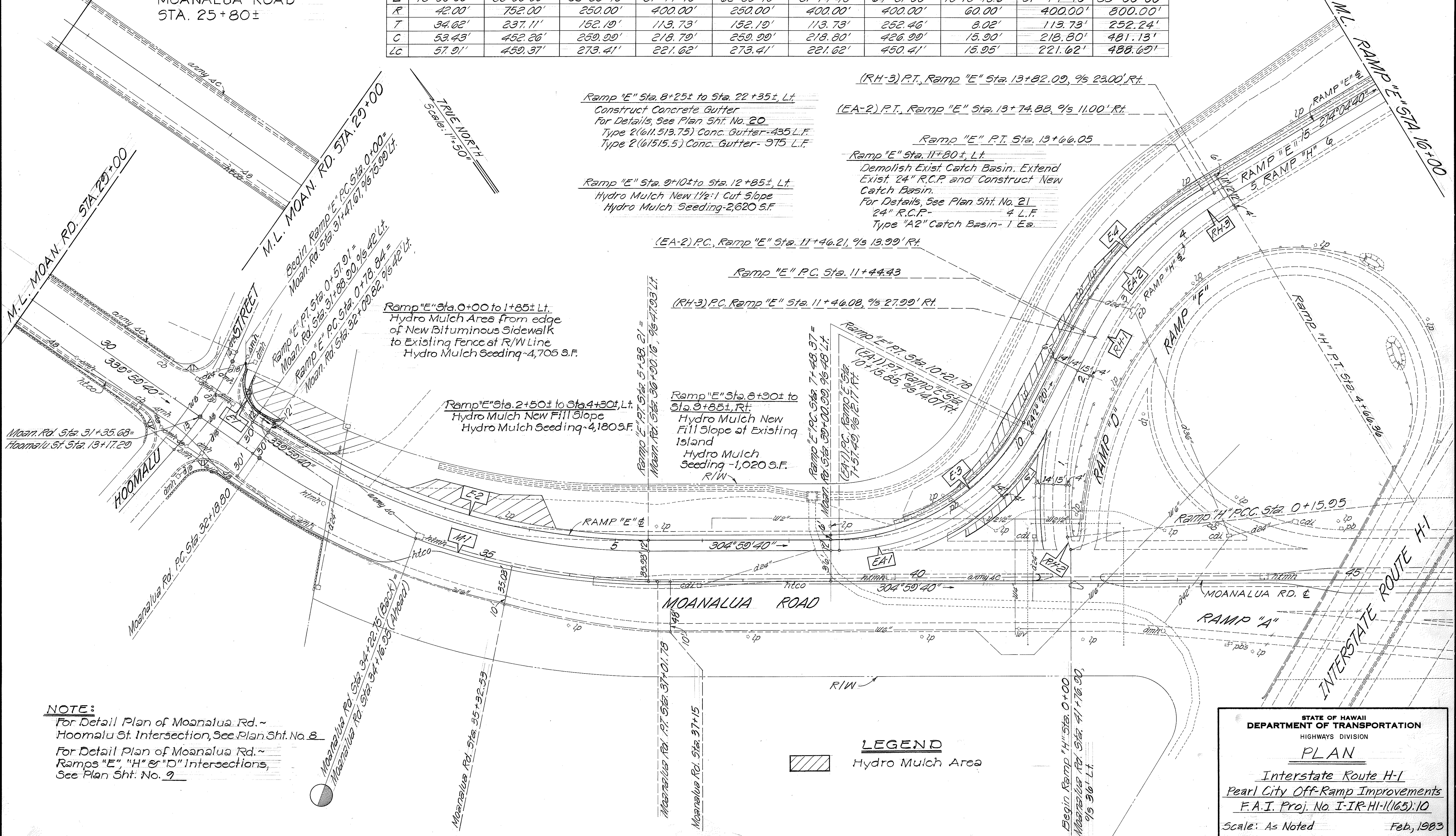


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-IR-HI-1(165):10	1983	5	64

CURVE DATA										
	E-1	E-2	E-3	E-4	EA-1	EA-2	RH-1	RH-2	RH-3	M-1
Δ	79°00'00"	35°00'00"	62°30'40"	31°44'40"	62°30'40"	31°44'40"	64°31'00"	15°13'48.6"	31°44'40"	35°00'00"
R	42.00'	752.00'	250.00'	400.00'	250.00'	400.00'	400.00'	60.00'	400.00'	800.00'
T	34.62'	237.11'	152.10'	113.73'	152.10'	113.73'	252.46'	8.02'	113.73'	252.24'
C	53.43'	452.26'	259.00'	218.79'	259.00'	218.80'	426.90'	15.90'	218.80'	481.13'
LC	57.91'	459.37'	273.41'	221.62'	273.41'	221.62'	450.41'	15.95'	221.62'	488.69'

BEGIN PROJECT
MOANALUA ROAD
STA. 25+80±



(RH-3) P.T. Ramp "E" Sta. 13+82.09, 9% 23.00' Rt.
(EA-2) P.T. Ramp "E" Sta. 13+74.88, 9% 11.00' Rt.
Ramp "E" P.T. Sta. 13+66.05
Ramp "E" Sta. 11+80±, Lt.
Demolish Exist. Catch Basin. Extend Exist. 24" R.C.P. and Construct New Catch Basin.
For Details, See Plan Sht. No. 21
24" R.C.P. - 4 L.F.
Type "A2" Catch Basin - 1 Ea.

Ramp "E" Sta. 9+10± to Sta. 12+85±, Lt.
Hydro Mulch New 1 1/2:1 Cut Slope
Hydro Mulch Seeding - 2,620 S.F.

(EA-2) P.C. Ramp "E" Sta. 11+46.21, 9% 13.99' Rt.

Ramp "E" P.C. Sta. 11+44.43

(RH-3) P.C. Ramp "E" Sta. 11+46.08, 9% 27.99' Rt.

Ramp "E" Sta. 0+00 to 1+85±, Lt.
Hydro Mulch Area from edge of New Bituminous Sidewalk to Existing Fence at R/W Line
Hydro Mulch Seeding - 4,705 S.F.

Ramp "E" Sta. 2+50± to Sta. 4+30±, Lt.
Hydro Mulch New Fill Slope
Hydro Mulch Seeding - 4,180 S.F.

Ramp "E" Sta. 8+90± to Sta. 9+85±, Rt.
Hydro Mulch New Fill Slope at Existing Island
Hydro Mulch Seeding - 1,020 S.F.
R/W

Ramp "E" P.C. Sta. 7+48.37 = Moanalua Rd. Sta. 30+02.99, 9% 48' Lt.

(EA-1) P.C. Ramp "E" Sta. 10+15.85, 9% 14.01' Rt.

(EA-1) P.T. Ramp "E" Sta. 10+21.78

(EA-1) P.C. Ramp "E" Sta. 10+15.85, 9% 14.01' Rt.

(EA-1) P.T. Ramp "E" Sta. 10+21.78

(EA-1) P.C. Ramp "E" Sta. 10+15.85, 9% 14.01' Rt.

(EA-1) P.T. Ramp "E" Sta. 10+21.78

(EA-1) P.C. Ramp "E" Sta. 10+15.85, 9% 14.01' Rt.

(EA-1) P.T. Ramp "E" Sta. 10+21.78

(EA-1) P.C. Ramp "E" Sta. 10+15.85, 9% 14.01' Rt.

(EA-1) P.T. Ramp "E" Sta. 10+21.78

(EA-1) P.C. Ramp "E" Sta. 10+15.85, 9% 14.01' Rt.

(EA-1) P.T. Ramp "E" Sta. 10+21.78

(EA-1) P.C. Ramp "E" Sta. 10+15.85, 9% 14.01' Rt.

(EA-1) P.T. Ramp "E" Sta. 10+21.78

(EA-1) P.C. Ramp "E" Sta. 10+15.85, 9% 14.01' Rt.

(EA-1) P.T. Ramp "E" Sta. 10+21.78

(EA-1) P.C. Ramp "E" Sta. 10+15.85, 9% 14.01' Rt.

(EA-1) P.T. Ramp "E" Sta. 10+21.78

(EA-1) P.C. Ramp "E" Sta. 10+15.85, 9% 14.01' Rt.

(EA-1) P.T. Ramp "E" Sta. 10+21.78

(EA-1) P.C. Ramp "E" Sta. 10+15.85, 9% 14.01' Rt.

(EA-1) P.T. Ramp "E" Sta. 10+21.78

(EA-1) P.C. Ramp "E" Sta. 10+15.85, 9% 14.01' Rt.

(EA-1) P.T. Ramp "E" Sta. 10+21.78

(EA-1) P.C. Ramp "E" Sta. 10+15.85, 9% 14.01' Rt.

(EA-1) P.T. Ramp "E" Sta. 10+21.78

(EA-1) P.C. Ramp "E" Sta. 10+15.85, 9% 14.01' Rt.

(EA-1) P.T. Ramp "E" Sta. 10+21.78

(EA-1) P.C. Ramp "E" Sta. 10+15.85, 9% 14.01' Rt.

(EA-1) P.T. Ramp "E" Sta. 10+21.78

(EA-1) P.C. Ramp "E" Sta. 10+15.85, 9% 14.01' Rt.

(EA-1) P.T. Ramp "E" Sta. 10+21.78

(EA-1) P.C. Ramp "E" Sta. 10+15.85, 9% 14.01' Rt.

(EA-1) P.T. Ramp "E" Sta. 10+21.78

(EA-1) P.C. Ramp "E" Sta. 10+15.85, 9% 14.01' Rt.

(EA-1) P.T. Ramp "E" Sta. 10+21.78

(EA-1) P.C. Ramp "E" Sta. 10+15.85, 9% 14.01' Rt.

(EA-1) P.T. Ramp "E" Sta. 10+21.78

(EA-1) P.C. Ramp "E" Sta. 10+15.85, 9% 14.01' Rt.

(EA-1) P.T. Ramp "E" Sta. 10+21.78

NOTE:
For Detail Plan of Moanalua Rd. ~
Hoomalu St. Intersection, See Plan Sht. No. 8
For Detail Plan of Moanalua Rd. ~
Ramps "E", "H" & "D" Intersections,
See Plan Sht. No. 9

LEGEND
Hydro Mulch Area

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN
Interstate Route H-1
Pearl City Off-Ramp Improvements
F.A.I. Proj. No. I-IR-HI-1(165):10
Scale: As Noted
Feb, 1983

SHEET NO. 1 OF 3 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
DRAWN BY		
DESIGNED BY		
NOTED BY		
CHECKED BY		
NO.		

CURVE DATA		
	E-5	H-1 E
Δ	5°00'00"	44°59'00"
R	4670.85'	2,500.00'
T	203.93'	1,035.11'
C	407.48'	1,912.75'
LC	407.61'	1,962.77'

2

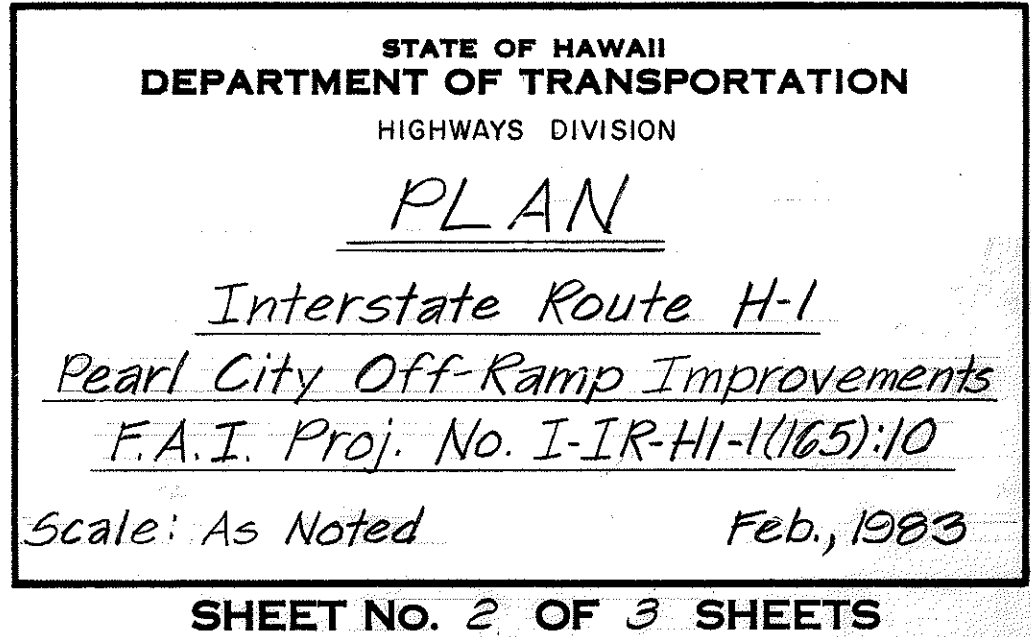
Ramp "E" Sta. 2X+35± to Sta. 29+70±, Lt.

Install New Guard Rail with 8 feet
Steel Post.

G

Sta. 21+35± - Type "K" Flare
Sta. 29+70± - Connect to New Conc.
Barrier Wall

Guard Rail, Type 3 - Single with 8 feet
Steel Post - 835 L.F.



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

CURVE DATA			
	E-5	E-6	H-1
Δ	5°00'00"	12°16'00"	44°59'00"
R	4,670.85'	2,569.00'	2,500.00'
T	203.93'	276.06'	1,035.11'
C	407.48'	548.96'	1,912.75'
LC	407.61'	550.01'	1,962.77'

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-IR-HI-(165)-10	1983	7	64

Ramp "E" Sta. 41+11± to Sta. 41+85±

Remove and Dispose of exist. Guard Rail and Anchor Block. This work shall be considered incidental to new Guard Rail.

Ramp "E" Sta. 41+30± to 41+90± Lt.

Install New Guard Rail
Sta. 41+30± ~ Connect to New Conc. Barrier Wall
Sta. 41+90± ~ Connect to Exist. Guard Rail
Guard Rail, Type 3 ~ Single with Steel Post ~ 60 L.F.

Ramp "E" Sta. 29+70± to Sta. 41+60± Lt.

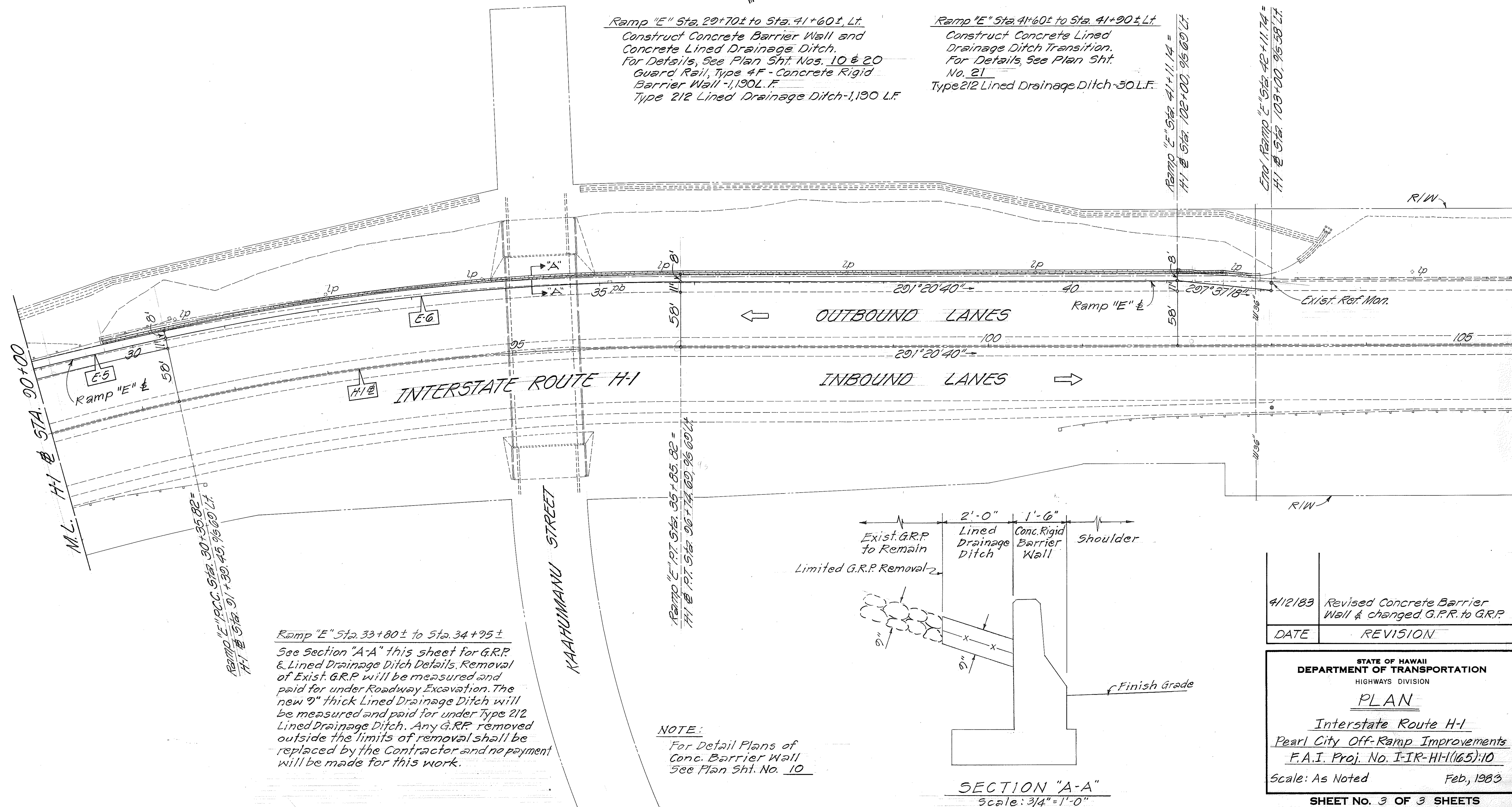
Construct Concrete Barrier Wall and Concrete Lined Drainage Ditch.
For Details, See Plan Sht. Nos. 10 & 20
Guard Rail, Type 4F - Concrete Rigid Barrier Wall - 1,190 L.F.
Type 212 Lined Drainage Ditch - 1,190 L.F.

Ramp "E" Sta. 41+60± to Sta. 41+90± Lt.

Construct Concrete Lined Drainage Ditch Transition.
For Details, See Plan Sht. No. 21
Type 212 Lined Drainage Ditch - 50 L.F.

End Ramp "E" Sta. 42+11.74 =
H-1 Sta. 103+00, 95.58' Lt.

Ramp "E" Sta. 41+11.14 =
H-1 Sta. 102+00, 95.00' Lt.



Ramp "E" Sta. 33+80± to Sta. 34+95±

See Section "A-A" this sheet for G.R.P. & Lined Drainage Ditch Details. Removal of Exist. G.R.P. will be measured and paid for under Roadway Excavation. The new 9" thick Lined Drainage Ditch will be measured and paid for under Type 212 Lined Drainage Ditch. Any G.R.P. removed outside the limits of removal shall be replaced by the Contractor and no payment will be made for this work.

NOTE:

For Detail Plans of Conc. Barrier Wall See Plan Sht. No. 10

SECTION "A-A"
Scale: 3/4" = 1'-0"

4/12/83	Revised Concrete Barrier Wall & changed G.R.P. to G.R.P.
DATE	REVISION

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
PLAN	
Interstate Route H-1	
Pearl City Off-Ramp Improvements	
F.A.I. Proj. No. I-IR-HI-(165)-10	
Scale: As Noted	Feb, 1983
SHEET NO. 3 OF 3 SHEETS	

ADD. 7