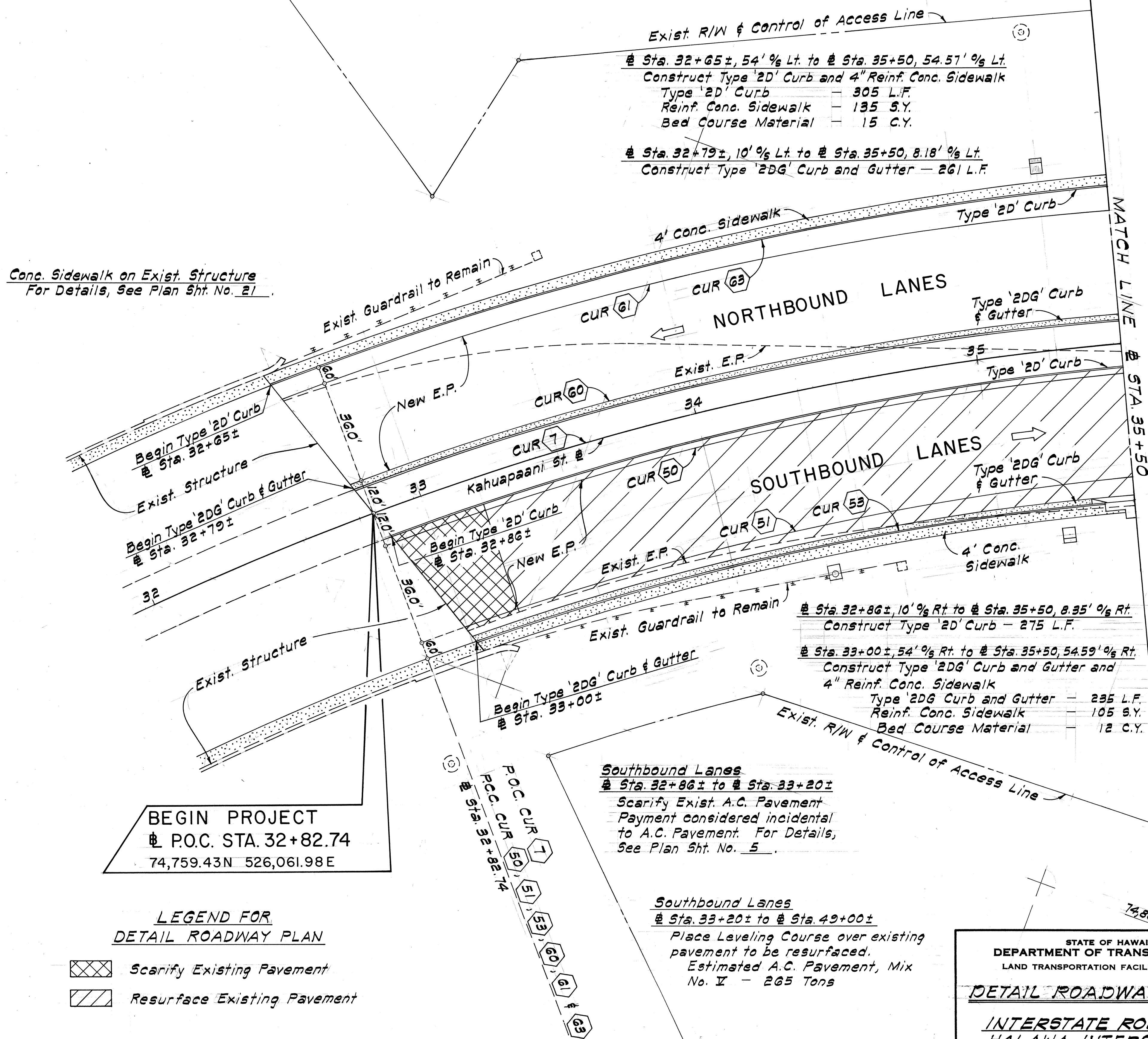


GENERAL NOTES

1. *The Contractor's attention is directed to the following Subsection of the Special Provisions: 107.13 Public Convenience and Safety and 203.02 (A)(8) Unsuitable Material.*
2. *The Contractor shall install the Traffic Signal System at Kahuapaani St. - Salt Lake Boulevard intersection at the earliest time possible and his attention is directed to Subsection 106.13 Ordering of Certain Materials of the Special Provisions.*
3. *Existing utility locations shown on the plans are approximate only. The Contractor shall verify their actual locations and shall be liable for any damages incurred to the existing utilities as a result of his operations.*
4. *The Contractor shall coordinate his activities with the Aloha Stadium Engineer and shall keep two lanes of Ramp 'HS' open to public traffic during Stadium events.*
5. *The Contractor shall coordinate his activities to provide public access to Castle Park at all times.*
6. *The Contractor shall place a leveling course on the existing pavements to be resurfaced, to provide a smooth level surface. Payment will be made under A.C. Pavement, Mix No. V.*
7. *The Contractor shall provide a smooth transition to the existing pavements at the end of the project limits at Ramp 'HS', Salt Lake Boulevard and Castle Park parking lot.*
8. *During asphalt concrete surfacing operations all longitudinal joints shall have a 45° slope.*

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEET
HAWAII	HAW.	I-HI-1(96):13	1981	10	112



BEGIN PROJECT
P.O.C. STA. 32+82.74
74,759.43N 526,061.98E

LEGEND FOR
DETAIL ROADWAY PLAN

-  Scarify Existing Pavement
-  Resurface Existing Pavement

Southbound Lanes

Sta. 32+86± to # Sta. 33+20±
Scarify Exist. A.C. Pavement
Payment considered incidental
to A.C. Pavement. For Details,
See Plan Sht. No. 5.

Southbound Lanes

± Sta. 33+20 ± to ± Sta. 49+00 ±
Place Leveling Course over existing
pavement to be resurfaced.
Estimated A.C. Pavement, Mix
No. V - 265 Tons

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
LAND TRANSPORTATION FACILITIES DIVISION

DETAIL ROADWAY PLAN

INTERSTATE ROUTE H-1
HALAWA INTERCHANGE
KAHUAPAANI STREET
F.A.I. Proj. No. I-H-1-(96):13

Scale: 1"=20' Date: April, 1981

SHEET No. 1 OF 7 SHEETS

10

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H-1(196):13	1981	11	112

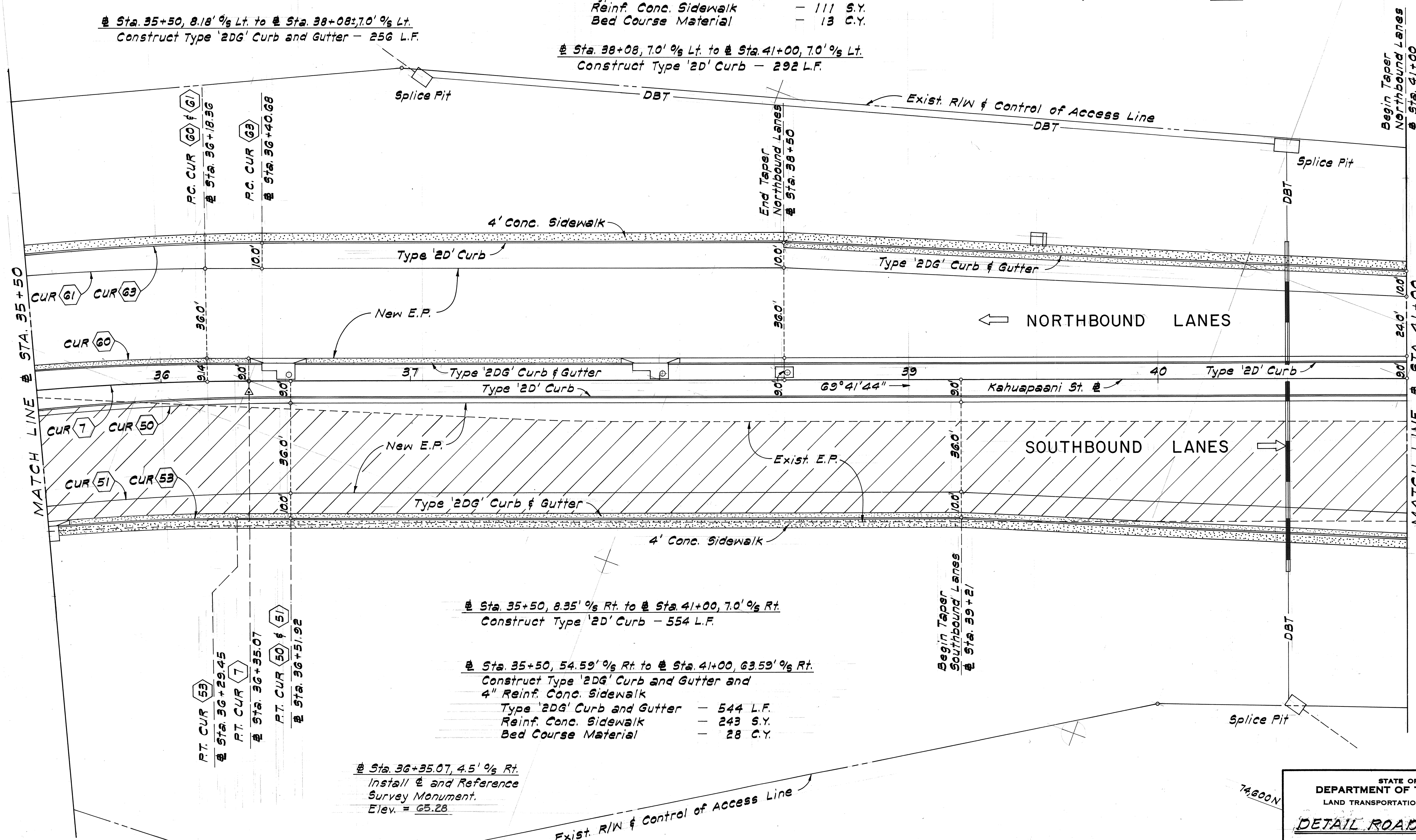
@ Sta. 35+50, 54.57' % Lt. to @ Sta. 38+50, 55' % Lt.
 Construct Type '2D' Curb and 4" Reinf. Conc. Sidewalk
 Type '2D' Curb - 307 L.F.
 Reinf. Conc. Sidewalk - 136 S.Y.
 Bed Course Material - 16 C.Y.

@ Sta. 35+50, 8.18' % Lt. to @ Sta. 38+08, 7.0' % Lt.
 Construct Type '2DG' Curb and Gutter - 256 L.F.

@ Sta. 38+50, 55' % Lt. to @ Sta. 41+00, 43' % Lt.
 Construct Type '2DG' Curb and Gutter and
 4" Reinf. Conc. Sidewalk
 Type '2DG' Curb and Gutter - 250 L.F.
 Reinf. Conc. Sidewalk - 111 S.Y.
 Bed Course Material - 13 C.Y.

@ Sta. 38+08, 7.0' % Lt. to @ Sta. 41+00, 7.0' % Lt.
 Construct Type '2D' Curb - 292 L.F.

@ Sta. 37+05, 122' % Lt. to @ Sta. 40+47, 94' % Lt. and
 @ Sta. 40+52, 94' % Lt. to @ Sta. 40+52, 128' % Rt.
 Relocate Exist. Hawaiian Telephone Co. System
 For Details, See Plan Sht. No. 35.



@ Sta. 35+50, 8.35' % Rt. to @ Sta. 41+00, 7.0' % Rt.
 Construct Type '2D' Curb - 554 L.F.

@ Sta. 35+50, 54.59' % Rt. to @ Sta. 41+00, 63.59' % Rt.
 Construct Type '2DG' Curb and Gutter and
 4" Reinf. Conc. Sidewalk
 Type '2DG' Curb and Gutter - 544 L.F.
 Reinf. Conc. Sidewalk - 243 S.Y.
 Bed Course Material - 28 C.Y.

@ Sta. 36+35.07, 4.5' % Rt.
 Install & and Reference
 Survey Monument.
 Elev. = 65.28

SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
CHECKED BY	
NOTED BY	
NO.	

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 LAND TRANSPORTATION FACILITIES DIVISION
DETAIL ROADWAY PLAN
 INTERSTATE ROUTE H-1
 HALAWA INTERCHANGE
 KAHUAPAANI STREET
 F.A.I. Proj. No. I-H-1(196):13
 Scale: 1"=20' Date: April, 1981
 SHEET No. 2 OF 7 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H-1-1(96):13	1981	12	112

@ Sta. 41+00, 43' $\frac{1}{8}$ Lt. to @ Sta. 47+00, 43' $\frac{1}{8}$ Lt.
 Construct Type '2DG' Curb and Gutter and
 4" Reinf. Conc. Sidewalk
 Type '2DG' Curb and Gutter — 600 L.F.
 Reinf. Conc. Sidewalk — 267 S.Y.
 Bed Course Material — 30 C.Y.

@ Sta. 41+00, 7' $\frac{1}{8}$ Lt. to @ Sta. 47+00, 7' $\frac{1}{8}$ Lt.
 Construct Type '2D' Curb — 600 L.F.

@ Sta. 45+45, 3' $\frac{1}{8}$ Lt. to @ Sta. 47+00, 2.52' $\frac{1}{8}$ Lt.
 Construct Type '2DG' Curb and Gutter
 Type '2DG' Curb and Gutter — 155 L.F.

@ Sta. 45+45 to @ Sta. 47+00
 Construct 4" Plain Conc. Sidewalk
 in Median — 69 S.Y.

@ Sta. 45+53.16, 45' $\frac{1}{8}$ Rt.
 Install & Reference
 Survey Monument.
 Elev. = 59.82

@ Sta. 44+59, 67' $\frac{1}{8}$ Rt. to @ Sta. 47+00, 67.48' $\frac{1}{8}$ Rt.
 Construct Type '2D' Curb and 4" Reinf. Conc. Sidewalk
 Type '2D' Curb — 241 L.F.
 Reinf. Conc. Sidewalk — 107 S.Y.
 Bed Course Material — 12 C.Y.

@ Sta. 41+00, 7' $\frac{1}{8}$ Rt. to @ Sta. 45+45, 3' $\frac{1}{8}$ Lt.
 Construct Type '2D' Curb — 446 L.F.

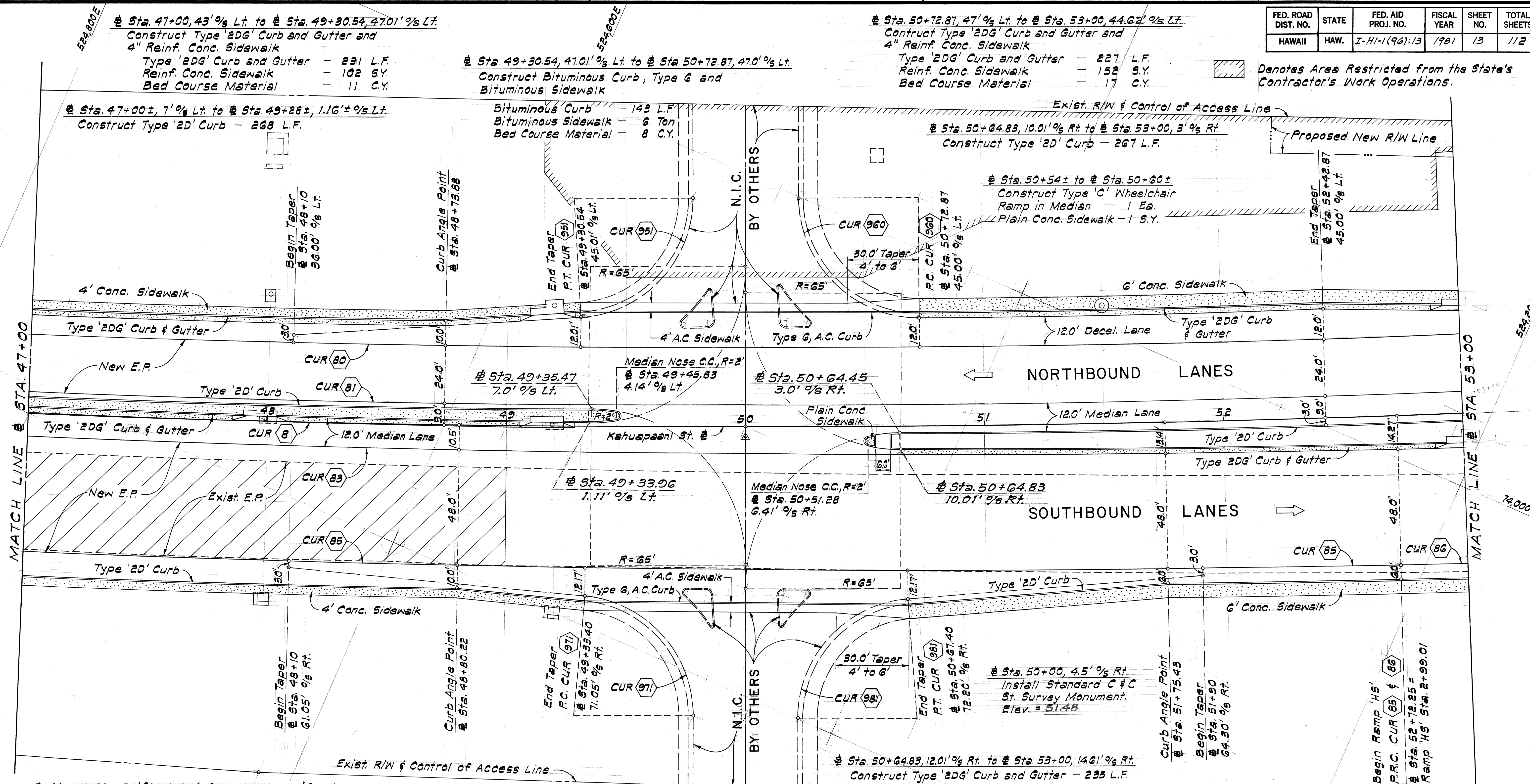
@ Sta. 41+00, 63.59' $\frac{1}{8}$ Rt. to @ Sta. 44+59, 67' $\frac{1}{8}$ Rt.
 Construct Type '2DG' Curb and Gutter and
 4" Reinf. Conc. Sidewalk
 Type '2DG' Curb and Gutter — 329 L.F.
 Reinf. Conc. Sidewalk — 146 S.Y.
 Bed Course Material — 16 C.Y.

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

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 LAND TRANSPORTATION FACILITIES DIVISION
DETAIL ROADWAY PLAN
 INTERSTATE ROUTE H-1
 HALAWA INTERCHANGE
 KAHUAPAANI STREET
 F.A.I. Proj. No. I-H-1-1(96):13
 Scale: 1"=20' Date: April, 1981
 SHEET No. 3 OF 7 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H-1(196)13	1981	13	112

Denotes Area Restricted from the State's Contractor's Work Operations.



Sta. 47+00, 2.52' % Lt. to Sta. 49+28±, 1.16' % Lt.
 Construct Type '2DG' Curb and Gutter - 228 L.F.
 Sta. 47+00 to Sta. 49+48±, In Median
 Construct 4' Plain Conc. Sidewalk - 110 S.Y.
 Sta. 47+00, 67.48' % Rt. to Sta. 49+33.40, 73.05' % Rt.
 Construct Type '2D' Curb and 4" Reinf. Conc. Sidewalk
 Type '2D' Curb - 234 L.F.
 Reinf. Conc. Sidewalk - 104 S.Y.
 Bed Course Material - 12 C.Y.
 Sta. 49+33.4, 73.05' % Rt. to Sta. 50+67.4, 74.02' % Rt.
 Construct Bituminous Curb, Type G and Bituminous Sidewalk
 Bituminous Curb, Type G - 134 L.F.
 Bituminous Sidewalk - 5 Ton
 Bed Course Material - 8 C.Y.
 Sta. 50+67.4, 74.02' % Rt. to Sta. 53+00, 69.70' % Rt.
 Construct Type '2D' Curb and 4" Reinf. Conc. Sidewalk
 Type '2D' Curb - 233 L.F.
 Reinf. Conc. Sidewalk - 155 S.Y.
 Bed Course Material - 17 C.Y.

CURVE DATA TABLE

NO.	N. COORDINATE	E. COORDINATE	DATA	NO.	N. COORDINATE	E. COORDINATE	DATA
951	P.C. 74,018.26	524,542.24	Δ 86° 38' 05"	971	P.C. 74,188.50	524,517.48	Δ 84° 29' 10"
	P.T. 74,082.80	524,565.49	R 50.00'		P.T. 74,216.11	524,456.19	R 50.00'
	C.C. 74,038.20	524,588.09	L 75.60'		C.C. 74,236.05	524,502.04	L 73.73'
960	P.I. 74,061.49	524,523.44	T 47.15'	981	P.I. 74,174.47	524,474.30	T 45.41'
	P.C. 74,026.34	524,435.72	Δ 90° 31' 19"		P.C. 74,199.68	524,415.36	Δ 85° 25' 27"
	P.T. 74,000.61	524,501.93	R 50.00'		P.T. 74,135.62	524,393.04	R 50.00'
960	C.C. 73,980.67	524,456.08	L 79.00'	981	C.C. 74,179.74	524,369.50	L 74.55'
	P.I. 74,046.88	524,481.81	T 50.46'		P.I. 74,157.35	524,433.77	T 46.16'

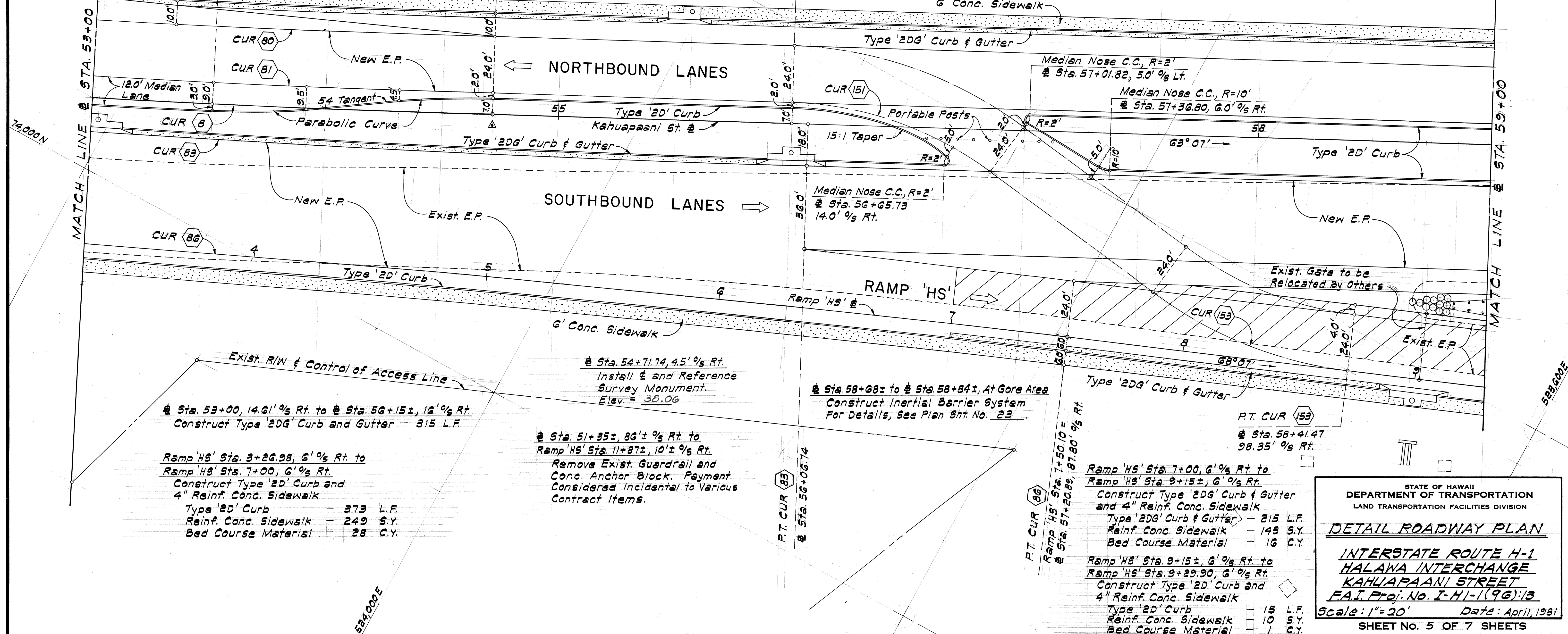
STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 LAND TRANSPORTATION FACILITIES DIVISION
DETAIL ROADWAY PLAN
 INTERSTATE ROUTE H-1
 HALAWA INTERCHANGE
 KAHUAPAANI STREET
 F.A.I. Proj. No. I-H-1(196)13
 Scale: 1" = 20' Date: April, 1981
 SHEET NO. 4 OF 7 SHEETS

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

523,800

Sta. 57+01.82, 7' 0" Lt. to # Sta. 59+00, 16' 0" Rt.
Construct Type '2D' Curb - 210 L.F.

Exist. R/W & Control of Access Line



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
LAND TRANSPORTATION FACILITIES DIVISION

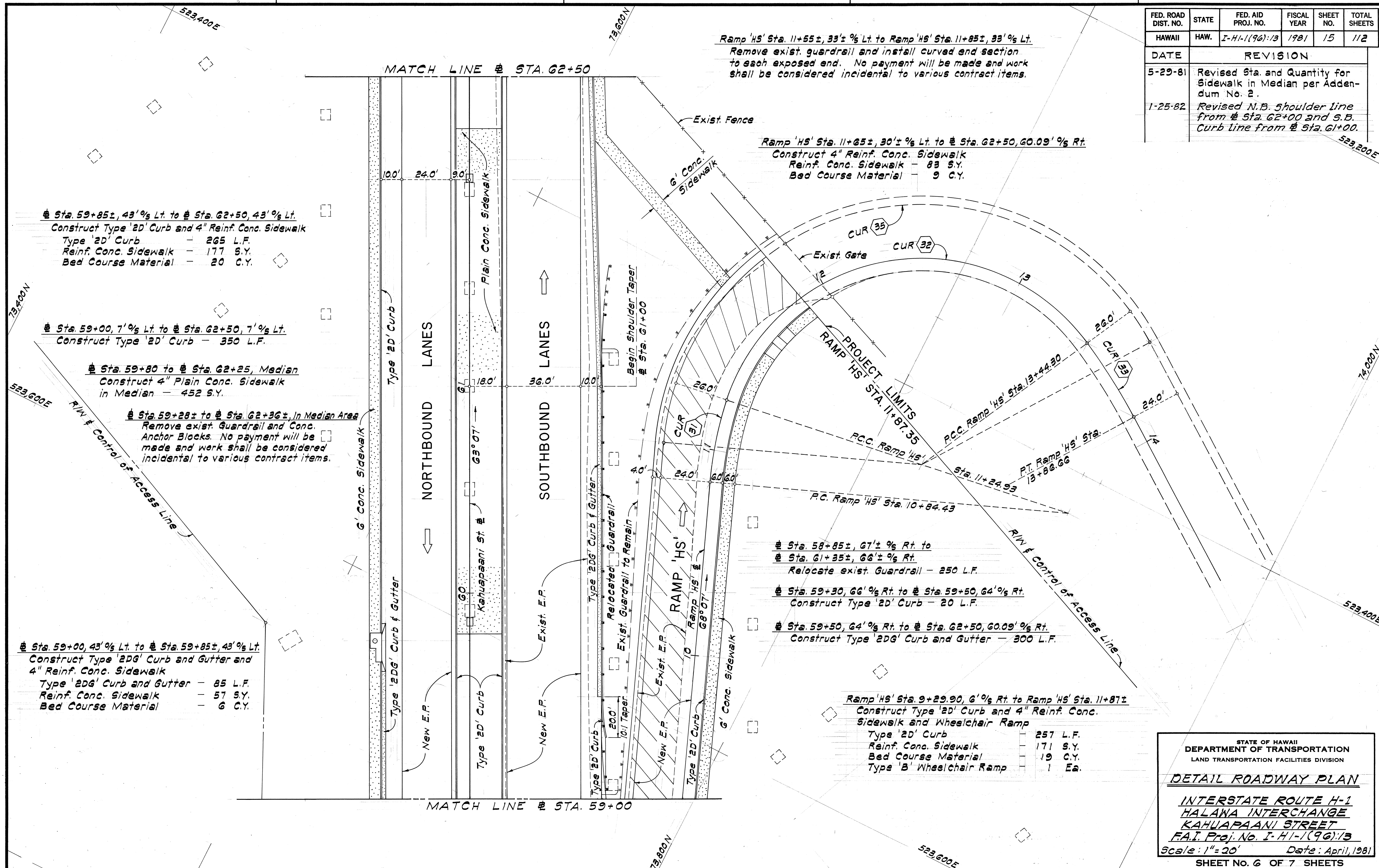
DETAIL ROADWAY PLAN

INTERSTATE ROUTE H-1
HALAWA INTERCHANGE
KAHUAAPAANI STREET
FA.I. Proj. No. I- H1-1(196)113

Scale: 1" = 20' Date: April, 1981

SHEET NO. 5 OF 7 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H-1(196):13	1981	15	112
DATE	REVISION				
5-29-81	Revised Sta. and Quantity for Sidewalk in Median per Addendum No. 2.				
1-25-82	Revised N.B. Shoulder line from Sta. 62+00 and S.B. Curb line from Sta. 61+00.				



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
LAND TRANSPORTATION FACILITIES DIVISION

DETAIL ROADWAY PLAN

**INTERSTATE ROUTE H-1
HALAWA INTERCHANGE
KAHUAPAANI STREET**

F.A.I. Proj. No. I-H-1(196):13

Scale: 1"=20' Date: April, 1981

SHEET No. 6 OF 7 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H-1(96):13	1981	16	112

SALT LAKE BLVD. SOUTHSIDE CURVE POINTS			
POINT	SALT LAKE BLVD. STATION	% FROM &	CURVE RADIUS
P.C. CUR 450	28+20.70	44.0' RT.	30.0'
P.T. CUR 450	28+50.64	72.03' RT.	30.0'
P.C. CUR 451	29+26.06	75.98' RT.	30.0'
P.T. CUR 451	29+56.00	44.0' RT.	30.0'
M2	28+89.91	54.08' RT.	10.0'

S.L. & Sta. 29+28±, 87'± % Rt. to S.L. & Sta. 29+77.64, 44' % Rt.
Construct Type '2D' Curb, Type '2D6' Curb & Gutter,
4" Reinf. Conc. Sidewalk and Wheelchair Ramp
Type '2D' Curb - 172 L.F.
Type '2D6' Curb & Gutter - 17 L.F.
Reinf. Conc. Sidewalk - 116 S.Y.
Bed Course Material - 13 C.Y.
Type 'A' Wheelchair Ramp - 1 Ea.

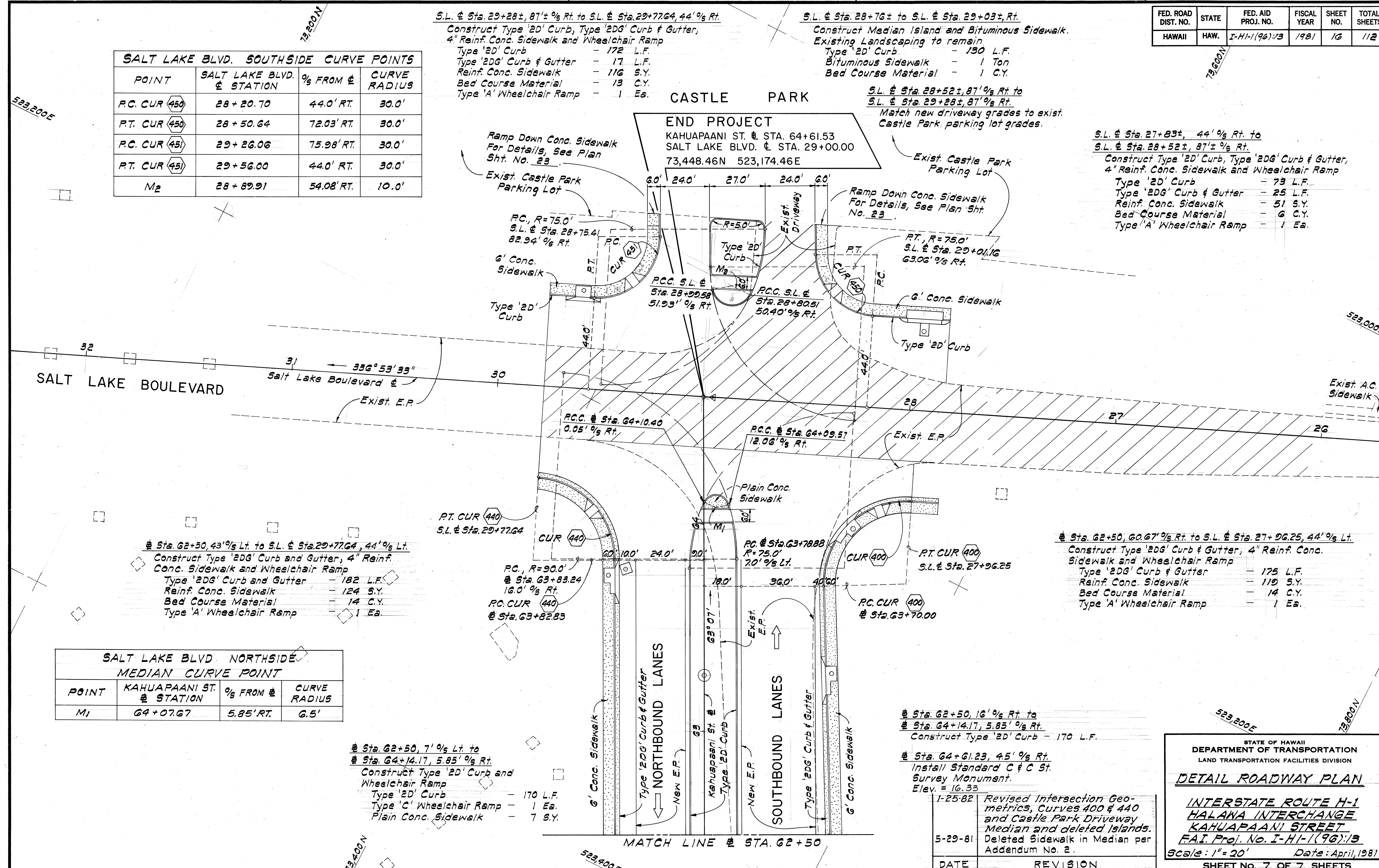
S.L. & Sta. 28+76± to S.L. & Sta. 29+03±, Rt.
Construct Median Island and Bituminous Sidewalk.
Existing Landscaping to remain
Type '2D' Curb - 130 L.F.
Bituminous Sidewalk - 1 Ton
Bed Course Material - 1 C.Y.

S.L. & Sta. 28+52±, 87' % Rt. to
S.L. & Sta. 29+28±, 87' % Rt.
Match new driveway grades to exist.
Castle Park parking lot grades.

S.L. & Sta. 27+83±, 44' % Rt. to
S.L. & Sta. 28+52±, 87' % Rt.
Construct Type '2D' Curb, Type '2D6' Curb & Gutter,
4" Reinf. Conc. Sidewalk and Wheelchair Ramp
Type '2D' Curb - 73 L.F.
Type '2D6' Curb & Gutter - 25 L.F.
Reinf. Conc. Sidewalk - 51 S.Y.
Bed Course Material - 6 C.Y.
Type 'A' Wheelchair Ramp - 1 Ea.

END PROJECT

KAHUAPAANI ST. & STA. 64+61.53
SALT LAKE BLVD. & STA. 29+00.00
73,448.46N 523,174.46E



& Sta. 62+50, 43' % Lt. to S.L. & Sta. 29+77.64, 44' % Lt.
Construct Type '2D6' Curb and Gutter, 4" Reinf. Conc. Sidewalk and Wheelchair Ramp
Type '2D6' Curb and Gutter - 182 L.F.
Reinf. Conc. Sidewalk - 124 S.Y.
Bed Course Material - 14 C.Y.
Type 'A' Wheelchair Ramp - 1 Ea.

& Sta. 62+50, 60.67' % Rt. to S.L. & Sta. 27+96.25, 44' % Lt.
Construct Type '2D6' Curb & Gutter, 4" Reinf. Conc. Sidewalk and Wheelchair Ramp
Type '2D6' Curb & Gutter - 175 L.F.
Reinf. Conc. Sidewalk - 110 S.Y.
Bed Course Material - 14 C.Y.
Type 'A' Wheelchair Ramp - 1 Ea.

SALT LAKE BLVD. NORTHSIDE MEDIAN CURVE POINT			
POINT	KAHUAPAANI ST. STATION	% FROM &	CURVE RADIUS
M1	64+07.67	5.85' RT.	6.5'

& Sta. 62+50, 7' % Lt. to
& Sta. 64+14.17, 5.85' % Rt.
Construct Type '2D' Curb and Wheelchair Ramp
Type '2D' Curb - 170 L.F.
Type 'C' Wheelchair Ramp - 1 Ea.
Plain Conc. Sidewalk - 7 S.Y.

& Sta. 62+50, 16' % Rt. to
& Sta. 64+14.17, 5.85' % Rt.
Construct Type '2D' Curb - 170 L.F.

& Sta. 64+61.23, 4.5' % Rt.
Install Standard C & C St.
Survey Monument.
Elev. = 16.33

1-25-82	Revised Intersection Geometrics, Curves 400 & 440 and Castle Park Driveway Median and deleted Islands.
5-29-81	Deleted Sidewalk in Median per Addendum No. 2.
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
LAND TRANSPORTATION FACILITIES DIVISION

DETAIL ROADWAY PLAN

**INTERSTATE ROUTE H-1
HALANA INTERCHANGE
KAHUAPAANI STREET**
F.A.I. Proj. No. I-H-1(96):13
Scale: 1" = 20' Date: April, 1981
SHEET NO. 7 OF 7 SHEETS

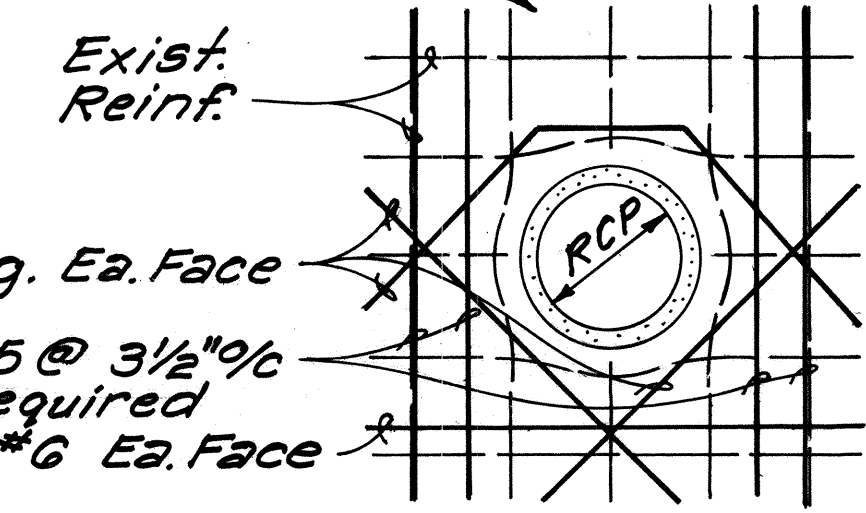
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FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(96):13	1982	C016S-1	112

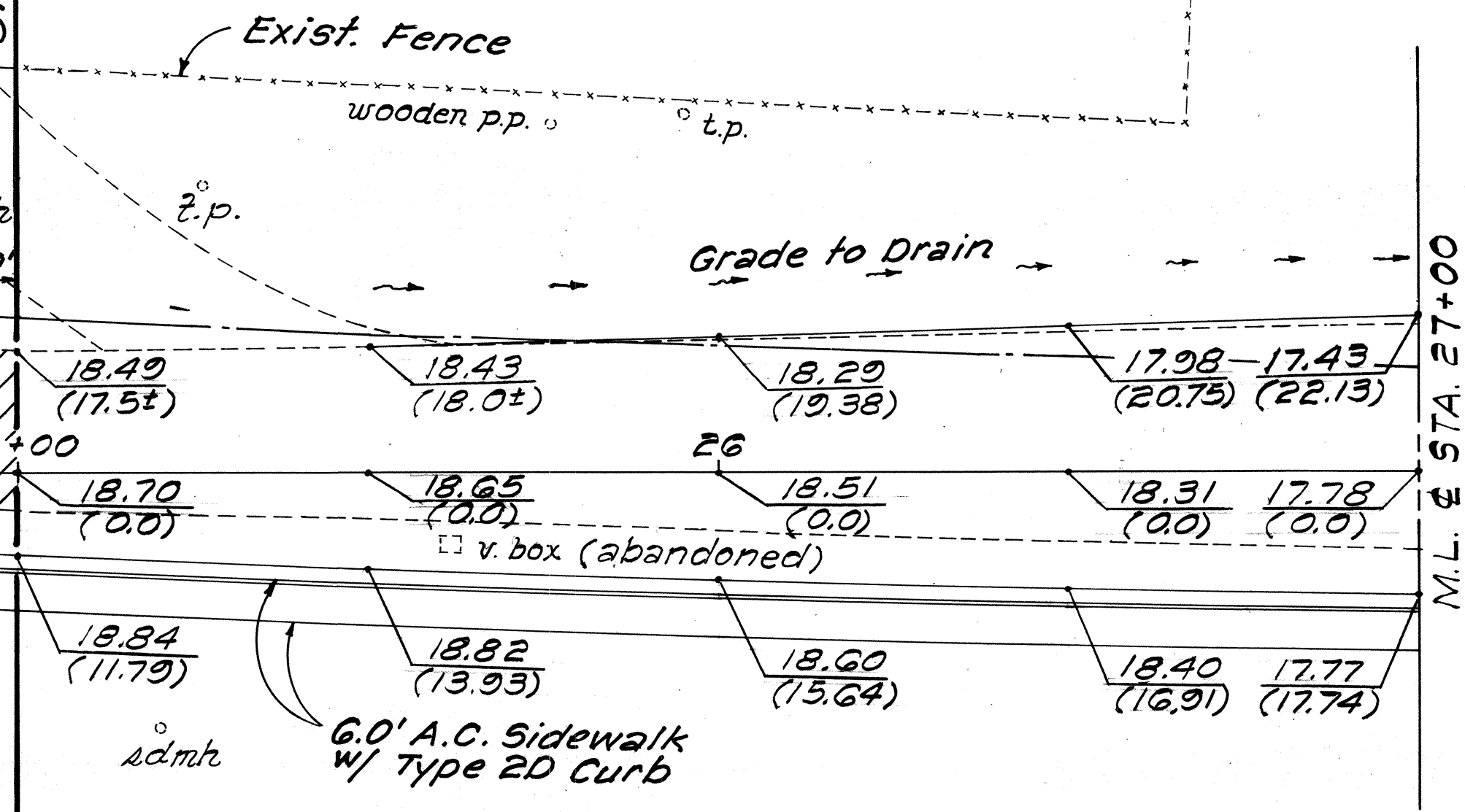
LEGEND

- ± of Graded Swale
- 0.0 Elev. on top
- (0.0) Offset from Extended ± on bottom
- ± of Standard Oil Pipe Line Easement
- Match to Existing Pavement

Break Conc. wall, cut & bend bars around new pipe & reconstruct. New pipe shall be cut flush with inside face of wall



DETAIL - PIPE CONNECTION TO EXIST. BOX CULVERT Not to Scale



LIMITS OF CHANGE ORDER

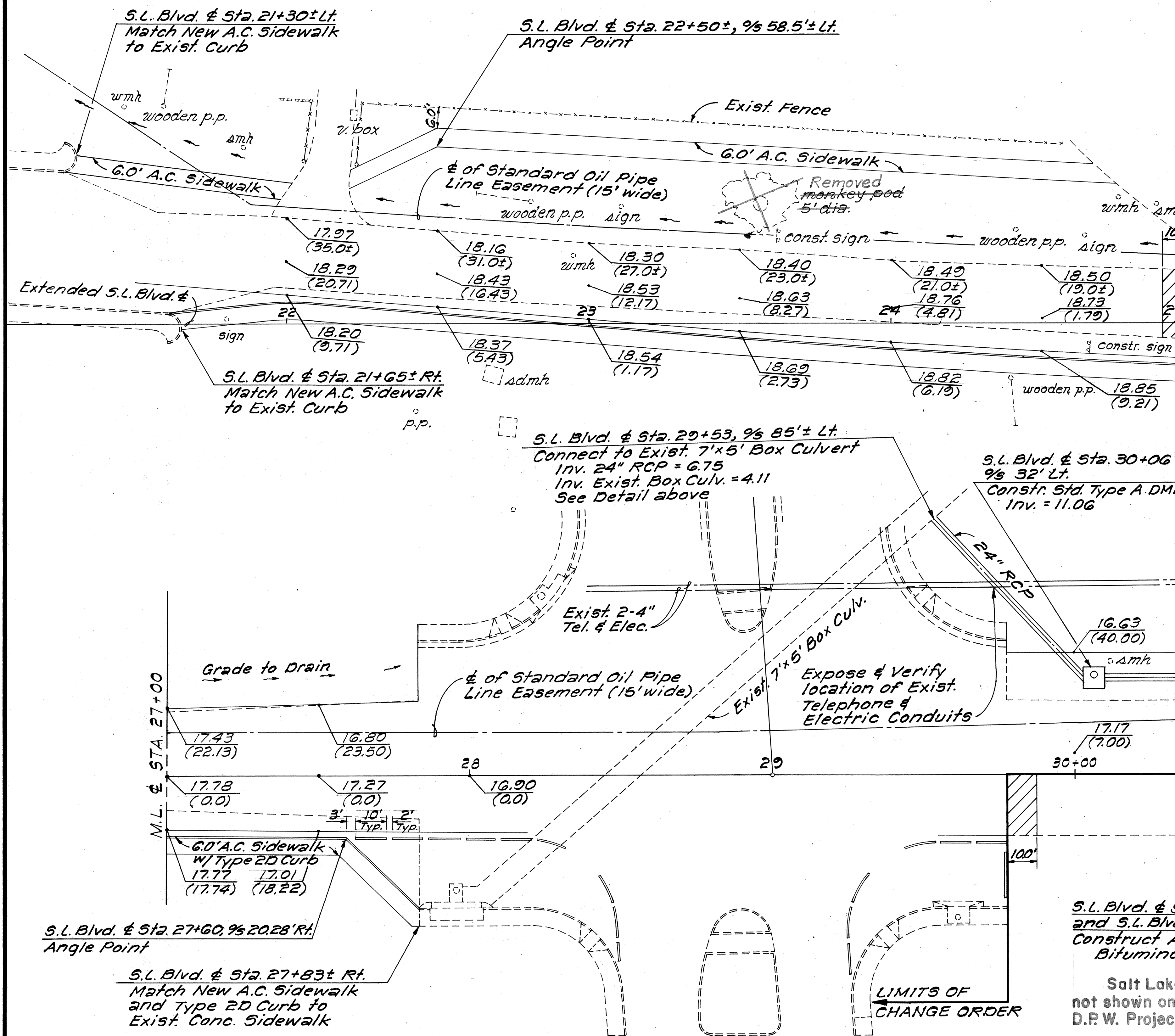
S.L. Blvd. & Sta. 30+11.5±, % 37'± Lt. and
S.L. Blvd. & Sta. 30+46.5±, % 38'± Lt.
Adjust Sewer Manhole Frame and Cover

LIMITS OF CHANGE ORDER

S.L. Blvd. & Sta. 32+56, % 32'± Lt.
End 24" RCP & Plug
Inv. = 13.56

S.L. Blvd. & Sta. 21+30± Lt. to & Sta. 27+83± Lt.
Construct 6.0' A.C. Sidewalk
Bituminous Sidewalk
Bed Course Material

S.L. Blvd. & Sta. 25+00 Rt. to & Sta. 27+83± Rt.
Construct 6.0' A.C. Sidewalk &
Type 2D Curb
Bituminous Sidewalk 16 Tons
Bed Course Material 20 C.Y.
Type 2D Curb 295 L.F.



S.L. Blvd. & Sta. 27+65±, % 20'± Rt. to & Sta. 28+50±, % 60'± Rt. and S.L. Blvd. & Sta. 29+25±, % 60'± Rt. to & Sta. 29+78±, % 22'± Rt.
Construct A.C. Curb
Bituminous Curb, Type G 165 L.F.

Salt Lake Blvd. Improvements from Kahuapaani Street to Luapele Road, not shown on the contract plans, was constructed under C & C of Honolulu, D.P.W. Project Salt Lake Blvd. Improvements, Phase 2, Job No. 37-82.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
LAND TRANSPORTATION FACILITIES DIVISION

DETAIL ROADWAY PLAN

INTERSTATE ROUTE H-1
HALAWA INTERCHANGE
KAHUAPAANI STREET
F.A.I. Proj. No. I-HI-1(96):13
Scale: 1"=20' Date: Apr. 1982
SHEET No. 7A OF 7 SHEETS

DATE	
SURVEY PLOTTED BY	
DRAWN BY	
TRACED BY	
CHECKED BY	
NOTE BOOK	
NO.	

