

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(131):17	1977	33	394

ROADWAY N PAVEMENT ELEVATIONS			
STATION	BASELINE	RIGHT E.P.	LEFT E.P.
10+50	-	5.5	-
+75	-	5.4	-
11+00	-	5.4	-
+25	-	5.3	-
+50	-	5.3	-
+75	-	5.1	-
12+00	-	4.9	-
+25	4.8	4.8	-
+50	4.6	-	-
+75	4.5	-	-
13+00	4.3	-	4.8
+25	4.2	-	4.7
+50	4.1	-	4.6
+75	4.1	-	4.6
14+00	4.2	-	4.7

LEGEND

- 2" Asphalt Conc. Pavement, Mix No. III
6" Aggregate Base
- Bituminous Sidewalk:
2" Asphalt Conc. Pavement, Mix No. V
6" Bedcourse Material
- Provide smooth riding connection with
Asphalt Conc. Pavement, Mix No. V

ROADWAY L PAVEMENT ELEVATIONS			
STATION	BASELINE	RIGHT E.P.	LEFT E.P.
13+50	11.7	-	Not Applicable
+75	11.3	-	
14+00	10.9	-	
+25	10.5	-	
+50	10.6	11.4	
+75	11.3	12.2	
15+00	12.0	12.9	
+25	12.8	13.7	
+50	13.6	14.5	
+75	-	14.6	
16+00	-	14.0	13.6
+25	13.2	-	12.8
+50	13.1	13.1	12.8
+75	13.9	13.5	13.6
17+00	14.9	14.5	14.9
+25	15.9	15.4	16.1
+50	16.3	15.6	16.8 (15' Lt of @)
+75	16.4	15.7	16.8 (15' Lt of @)
18+00	16.5	15.8	17.0
+25	16.6	15.9	17.1
+50	16.7	15.9	17.1
+75	16.6	15.7	17.0

BIKEWAY / WALKWAY PAVEMENT ELEVATIONS		
STATION	RIGHT E.P.	LEFT E.P.
10+60	6.60	6.50
11+00	6.40	6.50
11+50	6.56	6.72
12+00	7.62	7.78
12+50	9.35	9.51
16+75	10.26	10.46
17+00	9.58	9.78
+25	9.08	9.28
+50	9.06	9.26
+75	9.25	9.41
18+00	9.43	9.59
+25	9.63	9.71
+50	9.88	9.83
+75	10.09	9.96
19+00	10.27	10.08
+25	10.41	10.21
+50	10.53	10.33
+75	10.65	10.45
20+00	10.78	10.58
End	See Typical Section of State Access Rd.	

ROADWAY M PAVEMENT ELEVATIONS		
STATION	RIGHT E.P. AND 8	LEFT E.P.
10+00	15.8	-
+25	15.1	-
+50	14.1	15.4
10+75	13.0	14.4

DATE

3/15/78

REVISION

Revised Roadways L, M & N. Added Portables Conc. Guard Rail on Ramp D. Added Bikeway/Walkway from Sta. 10+60 to 12+55

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

ROADWAY CONSTRUCTION PLAN

INTERSTATE ROUTE H-1

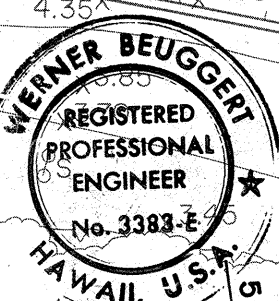
PROJECT NO. I-HI-1(131):17

SCALE 1" = 50'

DATE: AUG. 31, 1977

SHEET NO. 1 OF 5 SHEETS

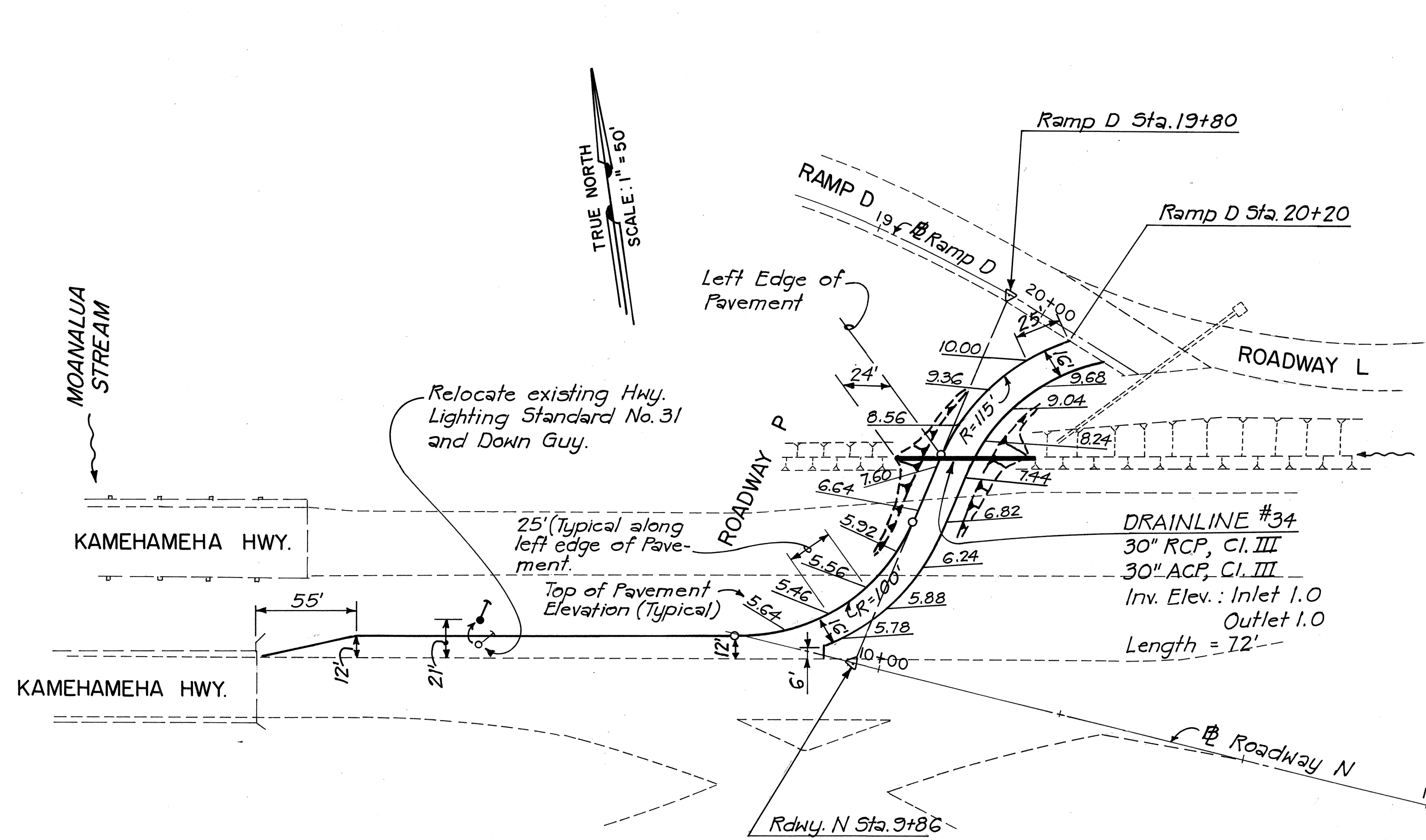
C.O.33



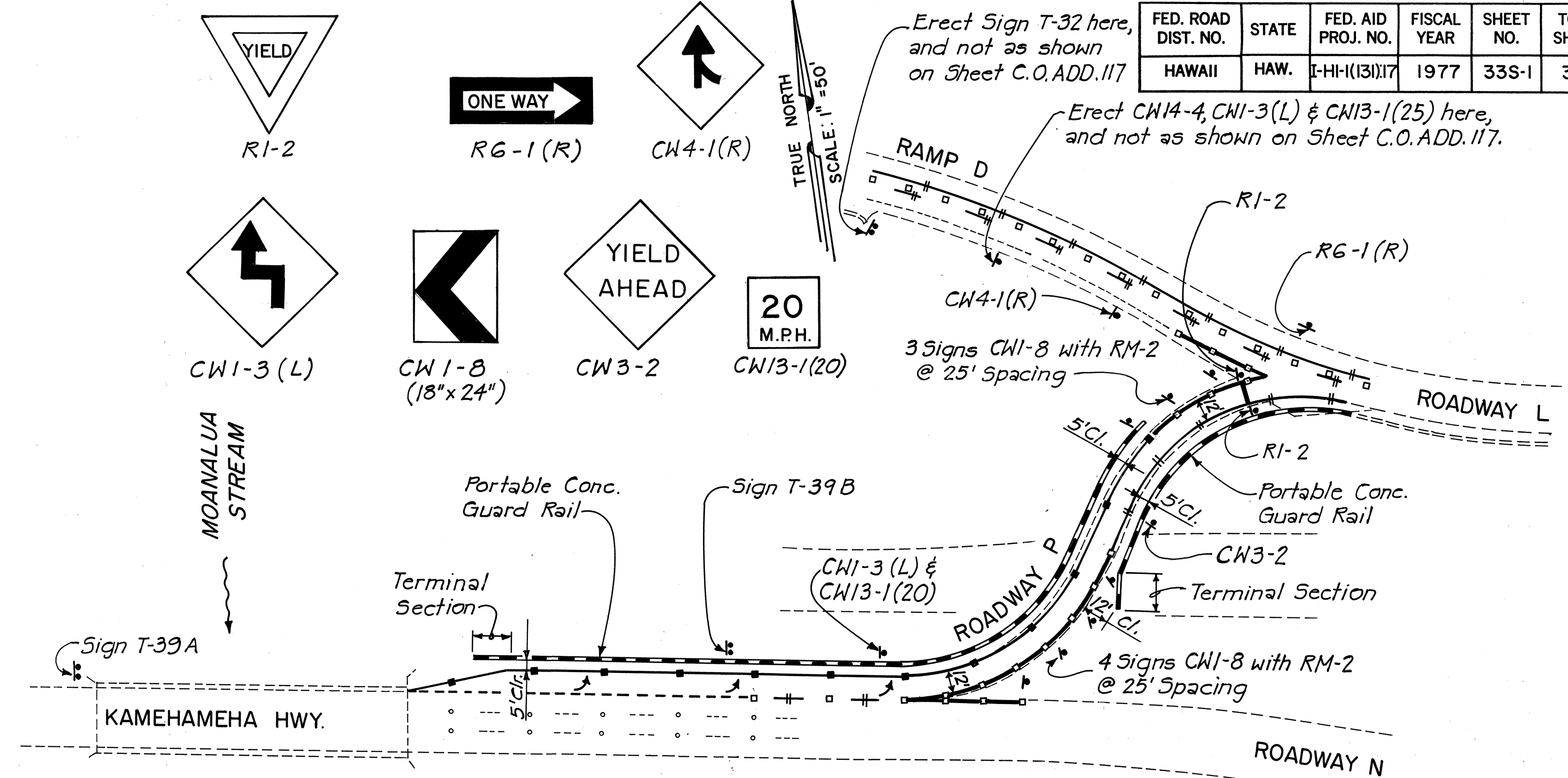
NOTE: For General Notes see Sheet No. 34

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

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(131)17	1977	335-1	394

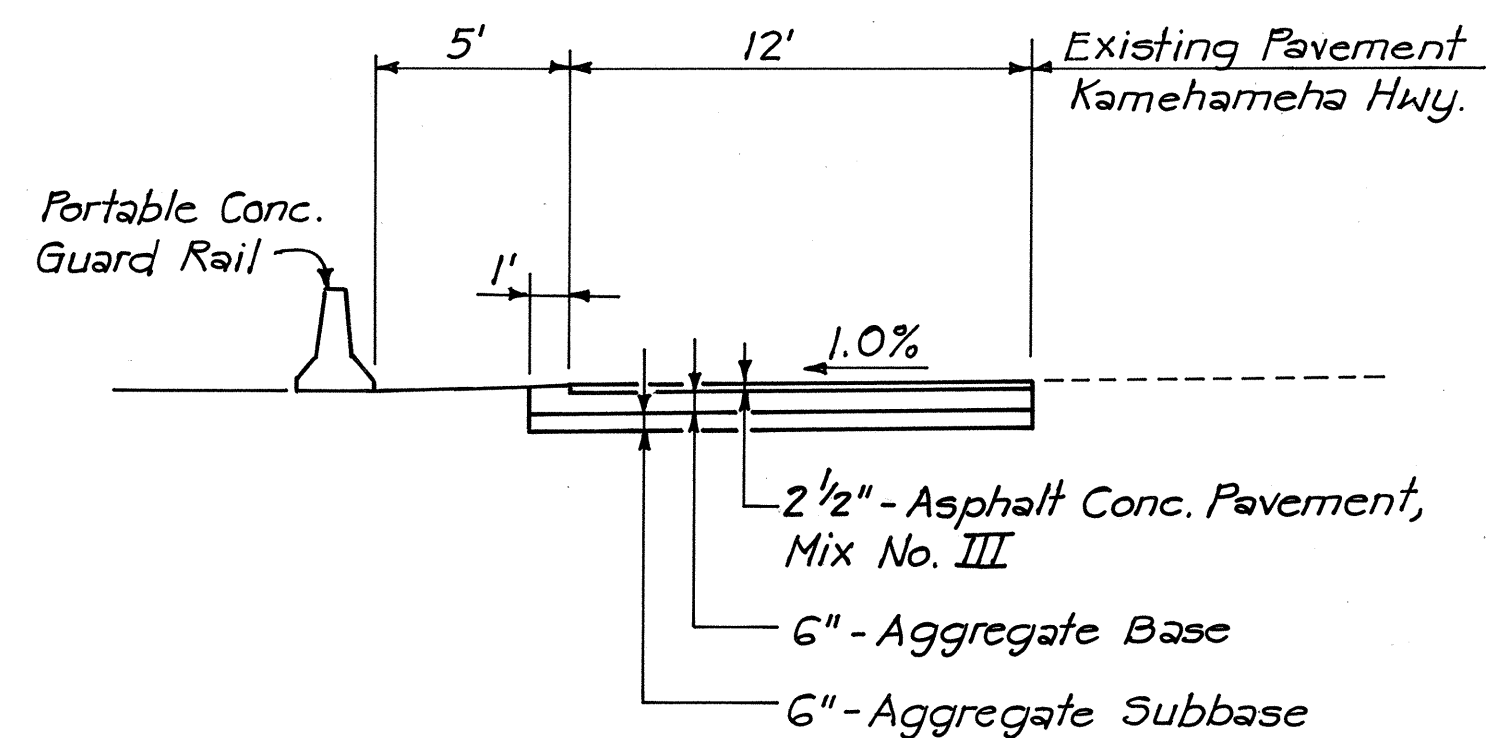


ROADWAY CONSTRUCTION PLAN
Scale: 1" = 50'

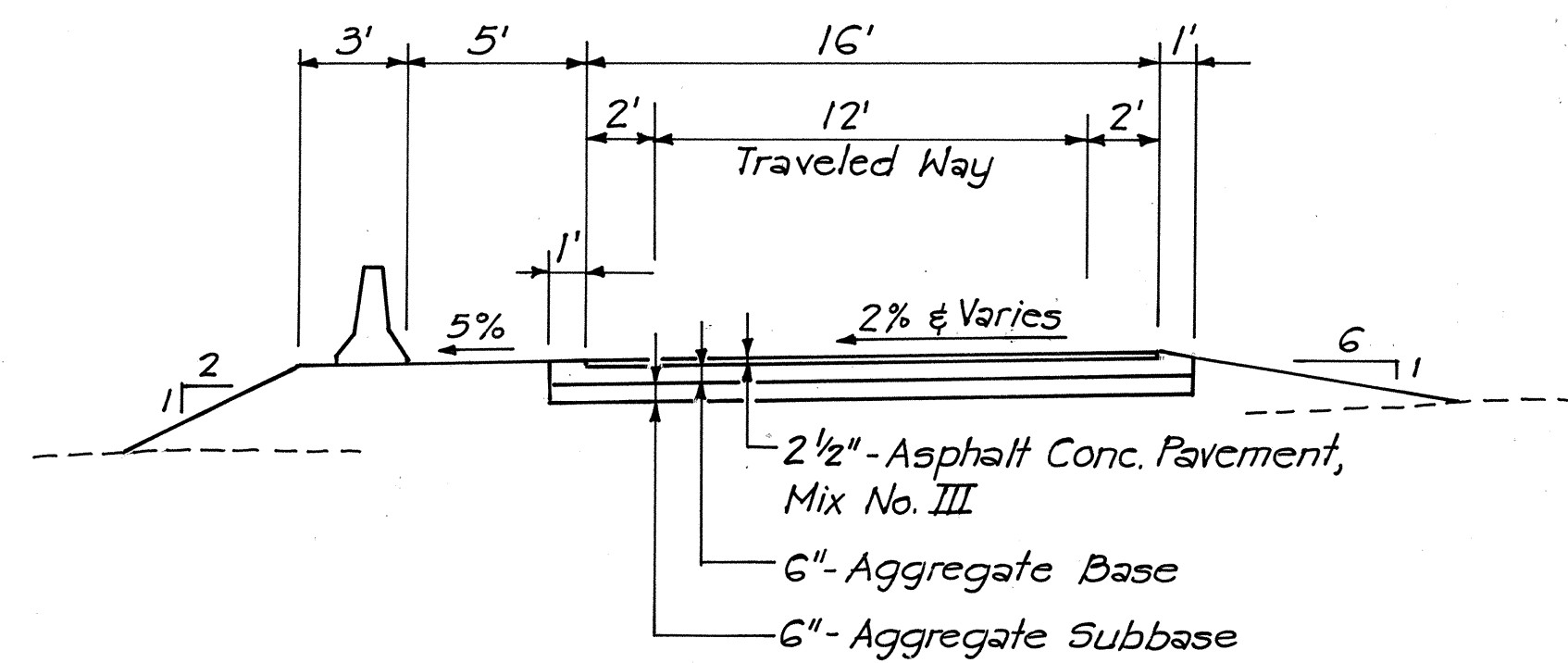


- NOTES: 1. See Sheet C.O. ADD. 117 for Legend.
2. See Sheet C.O. ADD. 120 for Pavement Markings of Roadways L & N. Pavement Markings shown on this sheet supersede markings shown on other sheets.
3. Roadway P shall be opened to traffic within 15 working days from the date of opening Roadways L & N.

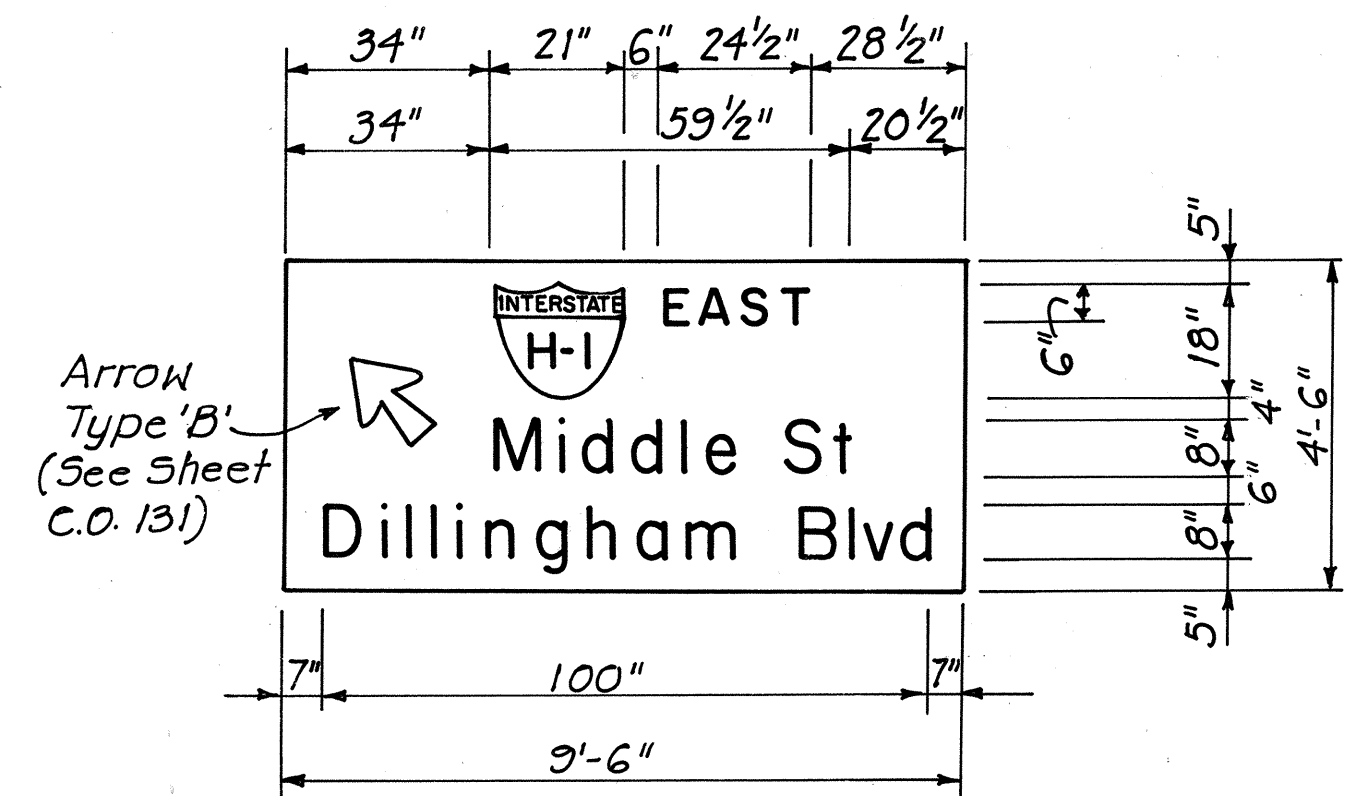
SIGNING & PAVEMENT MARKING PLAN
Scale: 1" = 50'



TYPICAL SECTION
Scale: 1" = 5'



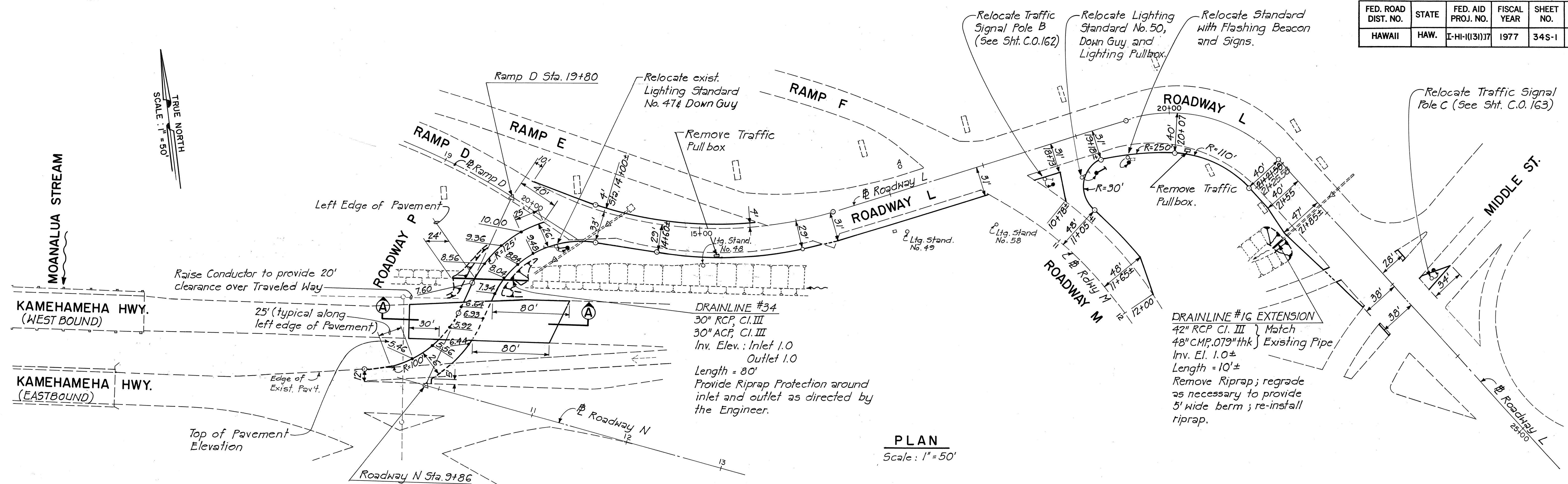
TYPICAL SECTION
Scale: 1" = 5'



SIGN T-39A & T-39B
Scale: 3/8" = 1'-0"

2/5/82	Sheet added for Construction of Roadway P
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
ROADWAY P	
INTERSTATE ROUTE H-1 PROJECT NO. I-HI-1(131)17	
SCALE: AS SHOWN	DATE: 2/5/82
SHEET No. 1A OF 5 SHEETS	

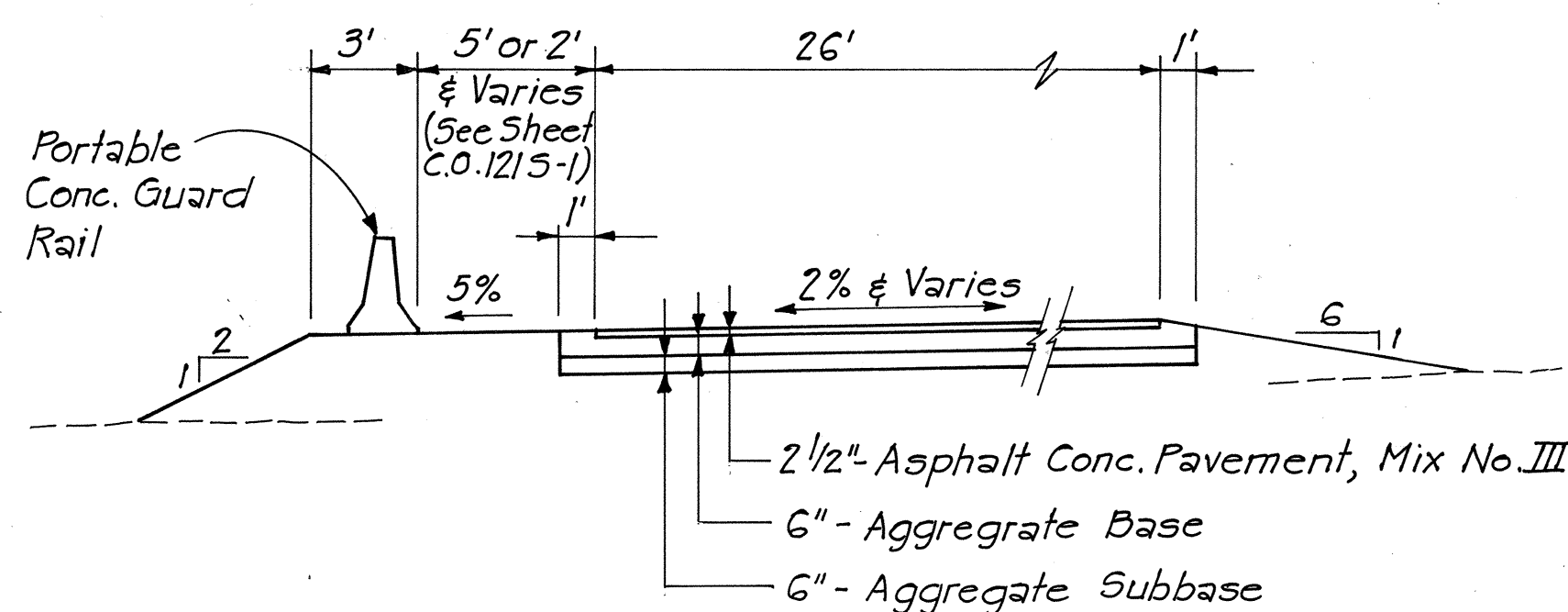
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(131)17	1977	34S-1	394



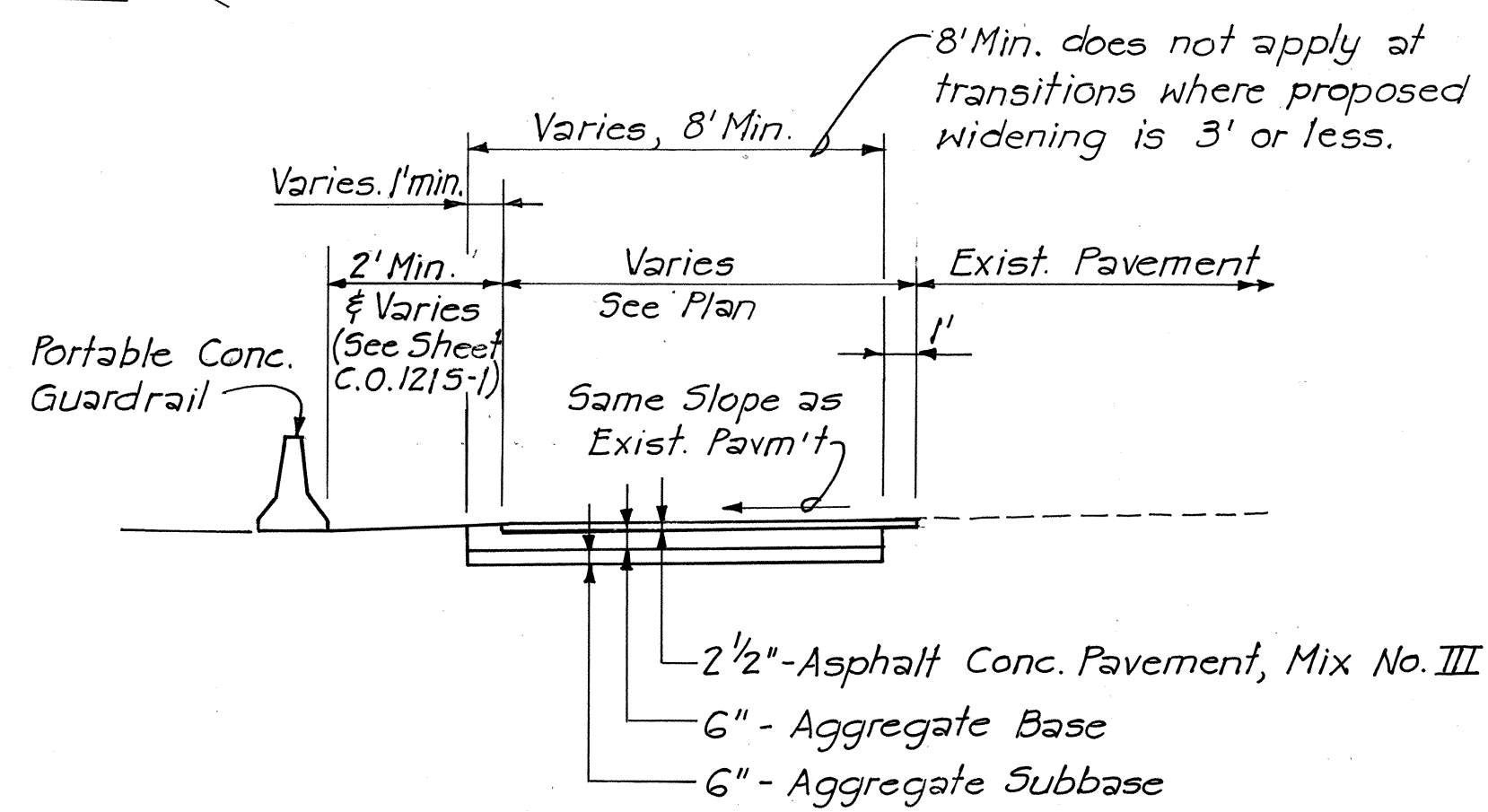
PLAN
Scale: 1" = 50'

NOTE:

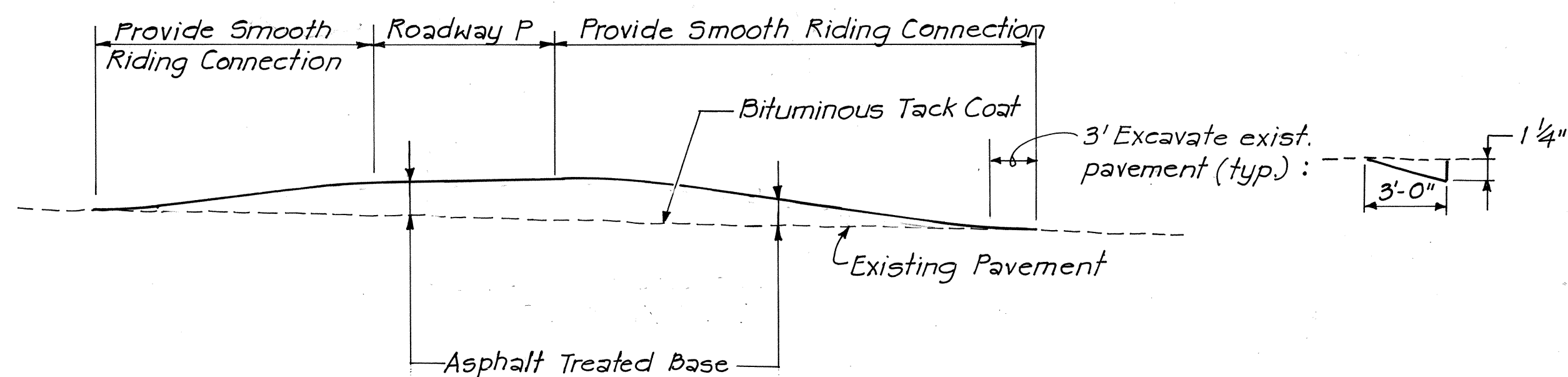
Construction of Roadway P across Kamehameha Hwy. (Westbound) shall not proceed earlier than 10 working days prior to the traffic pattern change.



TYPICAL SECTION - ROADWAY P
Scale: 1" = 5'



TYPICAL SECTION - WIDENING OF EXIST. PAVEMENT
Scale: 1" = 5'



SECTION A
Not to Scale

9/17/82	Sheet added for construction of Roadway P and additional lane on Roadway L.
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
ROADWAY CONSTRUCTION PLAN (ROADWAY P & WIDENING OF ROADWAY L)	
INTERSTATE ROUTE H-1 PROJECT NO. I-HI-1(131)17	
SCALE: As shown	DATE: 4/30/82
SHEET No. 2A OF 5 SHEETS	

GENERAL NOTES

- All existing pavements within areas to be graded shall be removed, unless otherwise noted or directed by the Engineer. Payment for removal and disposal of existing structures, concrete slabs, existing pavement, A.C. curbs on existing pavement, guard rails, trees and bushes, etc. shall be considered incidental to various Contract Items. Removed guard rails shall be salvaged and stockpiled on site as directed by the Engineer.
- The rehabilitation work for Nimitz Hwy. and Middle St. shown on plans are for estimate purposes only. Actual rehabilitation work relating to removal of existing pavement, excavation, aggregate subbase, asphalt treated base and asphalt concrete pavement for traveled ways will be determined by the State's Materials Testing and Research Laboratory during construction.
- Where required, restoration of existing pavement demolished by construction operations, such as excavation for trenches, shall be considered incidental to various Contract Items.
- Standard Chain Link Fences shall be placed within the Highway Right-of-Way along the R/W line as shown on Standard Detail Drawing D.D.607.1. Security Chain Link Fences shall be placed outside the Highway Right-of-Way along the R/W line, unless shown otherwise.
- For location of portable concrete guard rail on H-1 (WB) Viaduct see Signing and Pavement Marking Plans sheet No's 117 & 118.
- The Roadway Construction Plans do not fully reflect previous Keahi Interchange construction work. See Drainage and Grading Plans for updated existing ground contours.
- Construction of Ramp D Sta. 19+00 to 20+95, and Roadway M Sta. 10+00 to 14+00 shall not proceed earlier than 45 calendar days prior to the traffic pattern change.
- All metal guard rails including end shoes shall be lapped in the direction of the traffic.

LEGEND FOR MIDDLE STREET:

- Overlay Pavement (See Detail (A) Sheet C.O.35)
- Reconstruct Roadway (19 1/2" Aggr. Subbase; 6" Asphalt Treated Base; 2 1/2" Asphalt Concr. Pavement Mix No. V)

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-HI-1(131):17	1977	34	394

Roadway 'R'
See Sheet C.O.65 S-1

(WB)
H-1(EB) Sta. 261+50
End Guard Rails Type 4E,
Continuation by Others.
Provide Timber Bulkhead to
retain soil (Payment incidental
to Guard Rail)

Meet Exist. Pavement

State Access Road, Sta. 11+00
End Curb & Gutter, Type 2DG
Begin Curb & Gutter, Type 2DG

Reconstructed 6 Ft. Security
Chain Link Fence at R/W Line
Begin Guard Rails Type 4E
Meet Structure Parapet

New 20 Ft. wide Security
Chain Link Gate

Guard Rail Type 3-Single

Top 1" of Asphalt
Concrete Pavement
on Roadway & Shoulders
by Others

H-1(WB)
Gutter, Type 2A

H-1(EB) Sta. 260+38
End Gutter,
Type 2A

H-1(EB) Sta. 260+70
Begin Gutter,
Type 2A

RAMP A

BIKEWAY/WALKWAY

MIDDLE STREET

Adjust HTCo MH
Frame & Cover
Gutter, Type 2G

Provide smooth riding
connection with Asphalt
Concrete Pavement, Mix No. V

Adjust BWS Valve Box
Frame and Cover

Middle St. (SB) Sta. 19+00
End Curb & Gutter, Type 2DG
Begin Curb & Gutter, Type 2DG

10/6/80 Added Roadway 'R'
Revised Pavement Elevations of Rdwy. L.
Changed top of Traffic Islands from
A.C. Pavement to Plain Concrete.

9/15/78

DATE REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CONSTRUCTION
PLAN

INTERSTATE ROUTE H-1
PROJECT NO. 1-HI-1(131):17

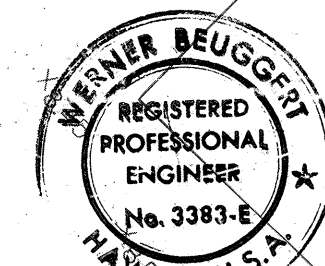
SCALE: 1" = 50' DATE: AUG. 31, 1977
SHEET NO. 2 OF 5 SHEETS

ROADWAY L PAVEMENT ELEVATIONS				
STATION	℄	RIGHT E.P.	LEFT E.P.	
19+00	16.2	15.1	16.7	
+25	15.5	14.1	16.4	
+50	14.7	13.0	16.1	
+75	14.0	12.0	15.8	
20+00	13.3	11.0	15.2	
+25	12.5	10.0	14.5	
+50	11.8	9.3	13.7	
+75	11.1	8.7	13.0	
21+00	10.3	8.1	12.0	
+25	9.6	8.0	10.7	
+50	8.9	7.9	9.5	
+75	8.1	7.7	8.4	
22+00	7.6	7.5	7.8	
+25	7.5	7.5	7.5	
+50	7.5	7.5	7.4	

DATE	10/17/77
SURVEY PLOTTED BY	W. H. M. L.
DRAWN BY	W. H. M. L.
DESIGNED BY	W. H. M. L.
NOTED BY	W. H. M. L.
CHECKED BY	W. H. M. L.
DATE	10/17/77
ORIGINAL PLAN	10/17/77
NOTE BOOK	10/17/77
CHECKED BY	W. H. M. L.
DATE	10/17/77

C.C.O. NO. 129 Chief, Planning & Engineering Div., BWS

3/31/83	Deleted Traffic Islands from Middle Street.	9/22/81	Revised Note 2 & deleted Note 7. Revised rehabilitation work for Middle Street.
DATE	REVISION	DATE	REVISION



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

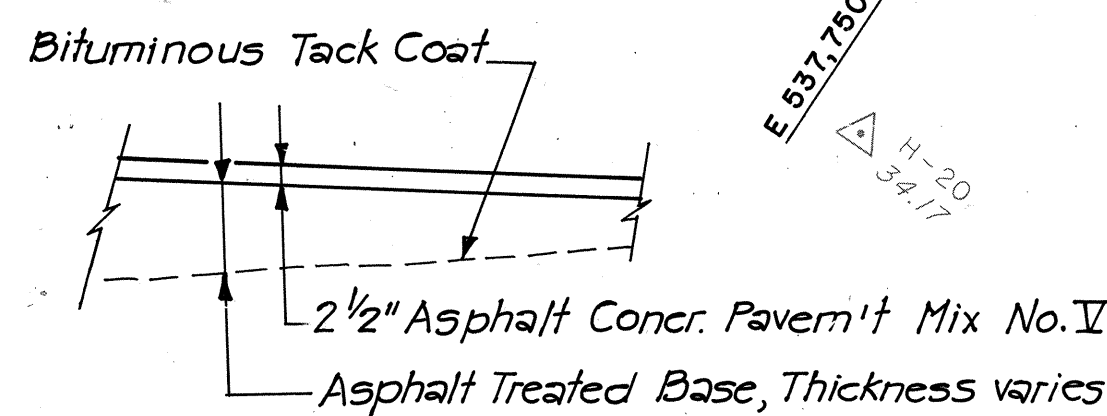
10/17/77 Date

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(131).17	1977	35	394

LEGEND FOR MIDDLE STREET:

- Overlay Pavement (See Detail A) this sheet.
- Reconstruct Roadway (19 1/2" Aggr. Subbase; 6" Asphalt Treated Base; 2 1/2" Asphalt Concr. Pavement Mix No. V)

DETAIL A N.T.S.



H-1(W.B) Sta. 261+50
End Guard Rails Type IV E,
Continuation by Others
Provide Timber Bulkhead to
retain soil (Payment incidental
to Guard Rail)

Top 1" of Asphalt Concrete Pavement
on Roadway & Shoulders By Others

Existing 6 Ft. Security Chain
Link Fence to be Removed and
Reconstructed as Shown

Reconstructed 6 Ft.
Security Chain Link
Fence at ROW Line

(W.B.)
H-1(W.B) Sta. 264+50
End Portable Conc.
Guard Rail

(W.B.)
H-1(W.B) Sta. 264+50
Begin Guard Rails, Type 4E
Provide Timber Bulkhead to
retain soil (Payment incidental
to Guard Rail)

H-1(W.B) Sta. 266+75 ±
End Guard Rail, Type 3-Single

Provide Smooth Vertical Transition
to meet top of Guard Rail at H-1(W.B.)
Begin Curb & Gutter, Type 2AG

Begin Curb & Gutter, Type 2EGM
Provide 10' long vertical curb
taper (from 0" to 4" height)
SIGNAL CORPS ROAD

Existing 6 Ft. Security Chain
Link Fence to be Removed
and Reconstructed as
Shown

H-1(W.B) Sta. 270+00 ±
End Guard Rails, Type 4E
Begin Guard Rail, Type 4A

End Reconstructed
6 Ft. Security Chain
Link Fence. Meet
Fence on Wall.

Transition
Structure (To
be paid as
Guard Rail,
Type 4A)

Begin Curb, Type 2D
Meet Existing Curb

Retaining Wall & Fence
See Sheet No. 229

End Curb, Type 2D
Meet Existing Curb

Existing Fence to be Removed
and Reconstructed at same
Location as Required for
Excavation of Retaining Wall.

End Curb & Gutter, Type 2EGM
Meet Existing

End Curb & Gutter, Type 2AG
Meet Existing

INTERSTATE ROUTE H-1 (WESTBOUND)

INTERSTATE ROUTE H-1 (EASTBOUND)

BIKEWAY/WALKWAY

Middle St. (Southbound)

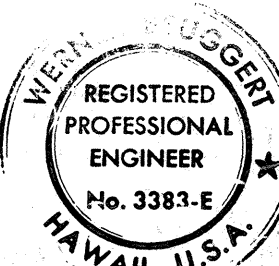
BOARD OF WATER SUPPLY NOTES

- Unless otherwise specified, all materials and construction of the water system facilities and appurtenances shall be in accordance with the Standard Specifications for Road and Bridge Construction, dated 1976, and as amended, of the Hawaii Highways Division, Department of Transportation.
- The Contractor shall give the Board of Water Supply in writing, at least one week advance notice of intent to commence work on the water system.
- Prior to excavating for other new utility lines, the Contractor shall verify in the field the location of existing water mains and appurtenances. Where other new utility lines are to cross over or under existing water mains, the Contractor shall expose the existing water mains prior to trenching. Excavation around water mains shall be done by hand.
- Plans approved by the Board of Water Supply are based solely on the adequacy of the water system supply, discrepancies, if any, of alignments, grades, fittings, etc., are the responsibility of the Engineer who prepared the Plans.

BIKEWAY/WALKWAY PAVEMENT ELEVATIONS

MIDDLE ST.(SB) STATION	LEFT E.P.	RIGHT E.P.
25+50	24.90	24.70
26+00	25.92	25.72
26+50	26.94	26.74
27+00	27.96	27.76
27+50	28.98	28.78
28+00	30.00	29.80
28+50	31.67	31.47
29+00	33.33	33.13
29+50	35.00	34.80
30+00	36.67	36.47
30+50	38.33	38.13
31+00	40.00	39.80
31+50	41.67	41.47
32+00	43.32	43.12

[Signature]
Chief, Planning & Engineering Div, BWS
Date 10/1/77

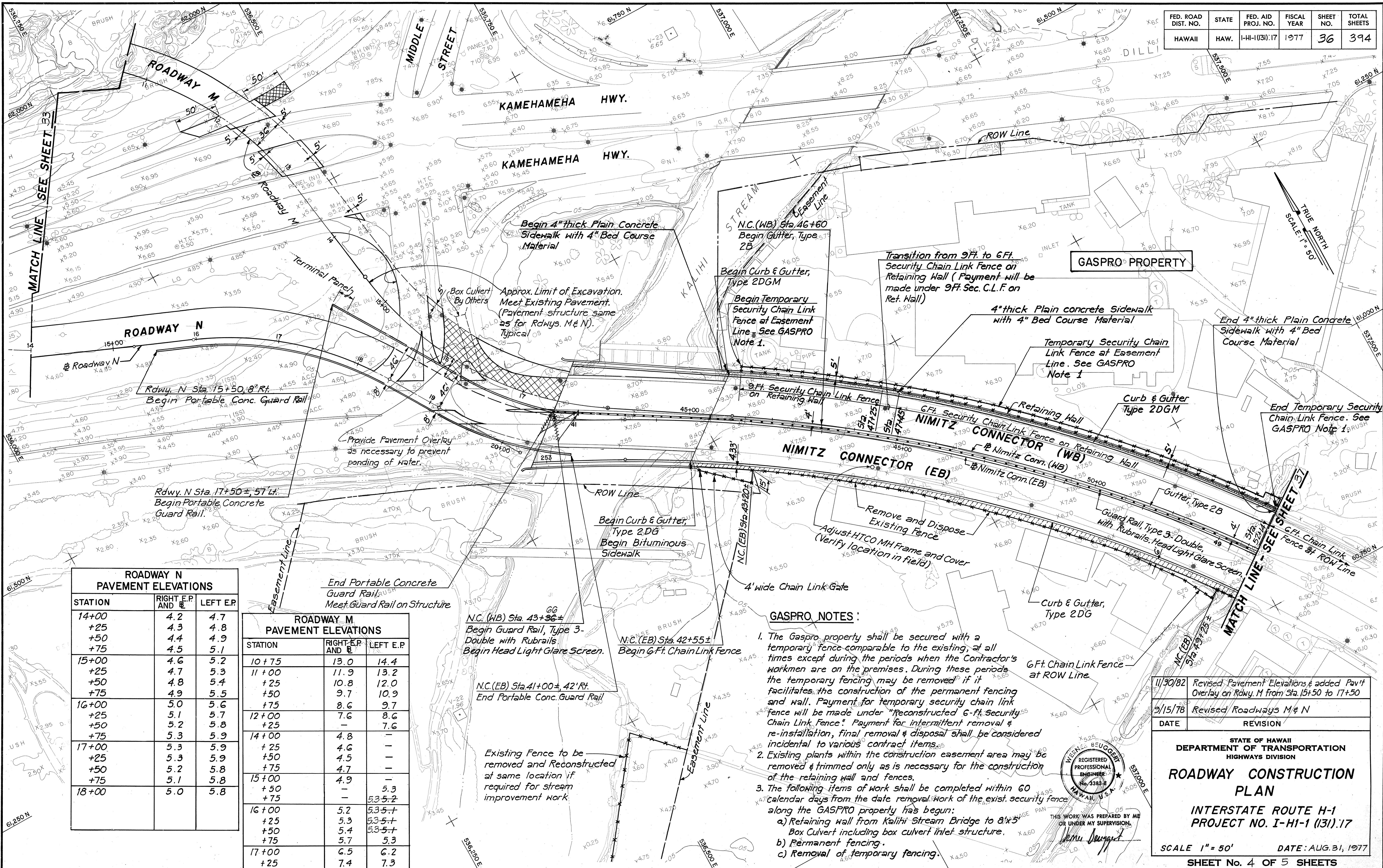


THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.
[Signature]

DATE	REVISION
9/22/81	Revised rehabilitation work for Middle Street.
9/15/78	Changed guard rail end from Type B Flare to Breakaway Cable Terminal. Revised facilities in area between Middle St. & H-1(EB) to maintain existing road.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**ROADWAY CONSTRUCTION
PLAN**
INTERSTATE ROUTE H-1
PROJECT NO. I-HI-1 (131).17
SCALE: 1" = 50' DATE: AUG. 31, 1977
SHEET NO. 3 OF 5 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(131):17	1977	36	394



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(131):17	1977	37	394

