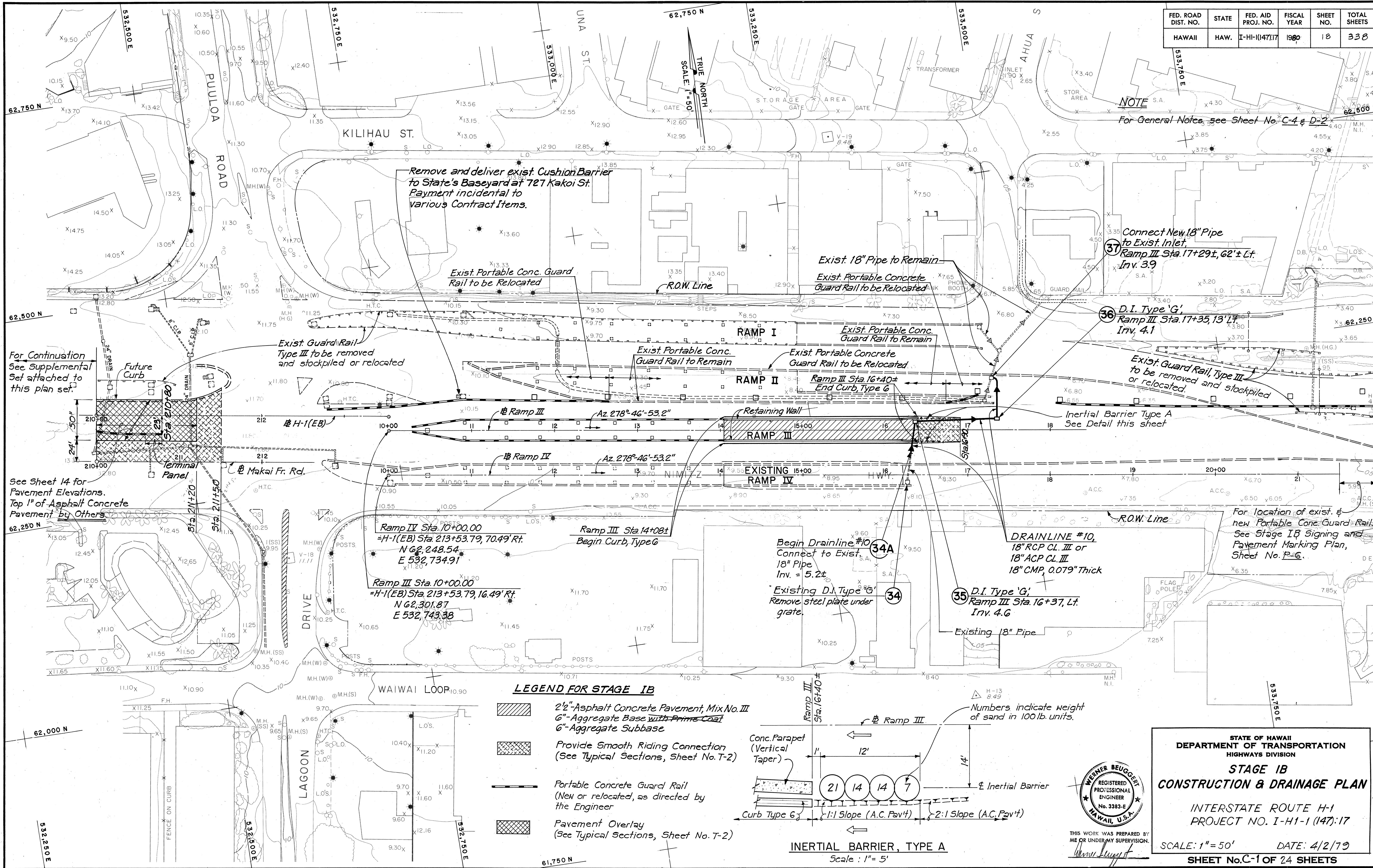


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(147)17	1980	18	338



For Continuation
See Supplemental
Set attached to
this plan set.

See Sheet 14 for
Pavement Elevations.
Top 1" of Asphalt Concrete
Pavement by Others

Remove and deliver exist. Cushion Barrier
to State's Baseyard at 727 Kaka'i St.
Payment incidental to
various Contract Items.

Exist. Portable Conc. Guard
Rail to be Relocated

Exist. 18" Pipe to Remain
Exist. Portable Concrete
Guard Rail to be Relocated

Connect New 18" Pipe
to Exist. Inlet,
Ramp III Sta. 17+29.1, 62'± Lt.
Inv. 3.9

D.I. Type 'G',
Ramp III Sta. 17+35, 13' Lt.
Inv. 4.1

Exist. Guard Rail, Type III
to be removed and stockpiled
or relocated.

Inertial Barrier Type A
See Detail this sheet

For location of exist. &
new Portable Conc. Guard Rails
See Stage 1B Signing and
Pavement Marking Plan,
Sheet No. P-6.

Begin Drainline #10
Connect to Exist.
18" Pipe
Inv. = 5.2±

Existing D.I. Type 'G'
Remove steel plate under
grate.

DRAINLINE #10,
18" RCP CL. III or
18" ACP CL. III
18" CMP, 0.079" Thick

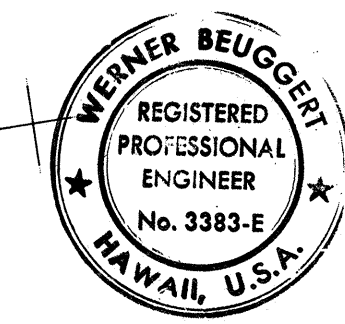
D.I. Type 'G',
Ramp III Sta. 16+37, Lt.
Inv. 4.6

Ramp IV Sta. 10+00.00
=H-1(EB) Sta. 213+53.79, 70.49' Rt.
N 62.248.54
E 532.734.91

Ramp III Sta. 10+00.00
=H-1(EB) Sta. 213+53.79, 16.49' Rt.
N 62.301.87
E 532.743.38

Ramp III Sta. 14+08.1
Begin Curb, Type G

DATE	_____
DESIGNED BY	_____
CHECKED BY	_____
NOTED BY	_____
ORIGINAL PLAN	_____
NOTE BOOK	_____
No.	_____



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Werner Beugger

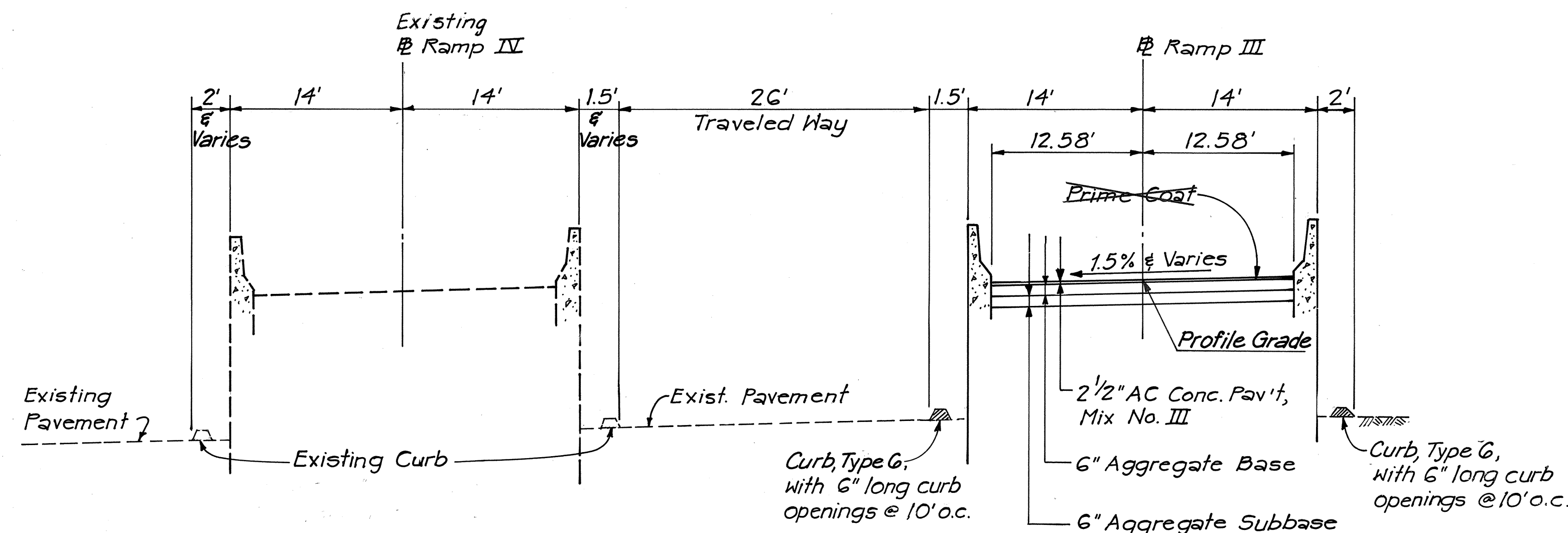
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**STAGE 1B
CONSTRUCTION & DRAINAGE PLAN**

INTERSTATE ROUTE H-1
PROJECT NO. I-HI-1 (147) 17

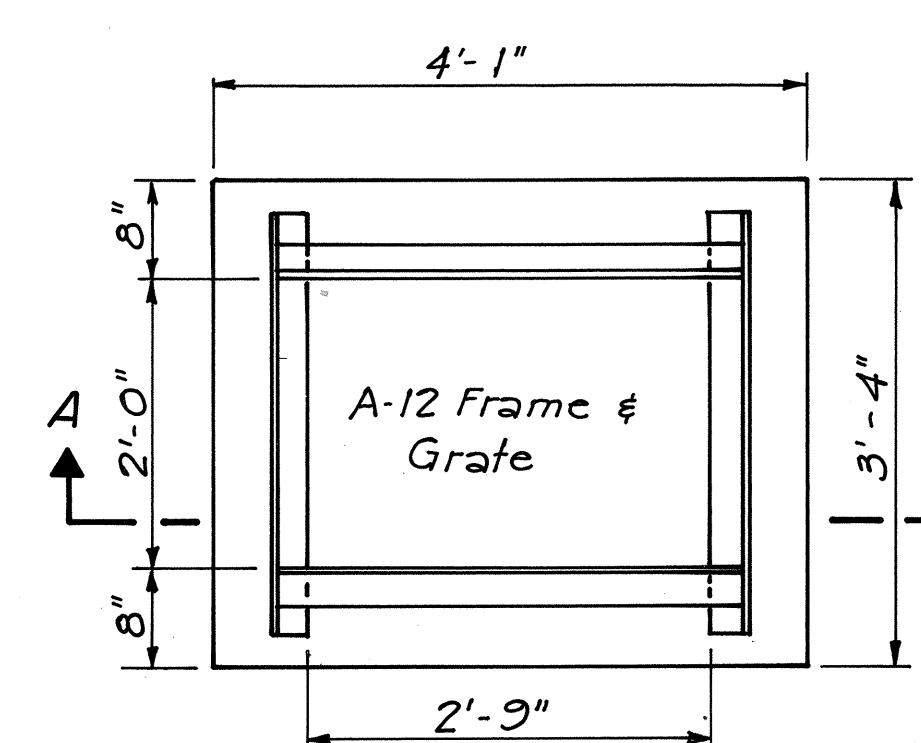
SCALE: 1" = 50' DATE: 4/2/79
SHEET No. C-1 OF 24 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(147):17	1980	19	338

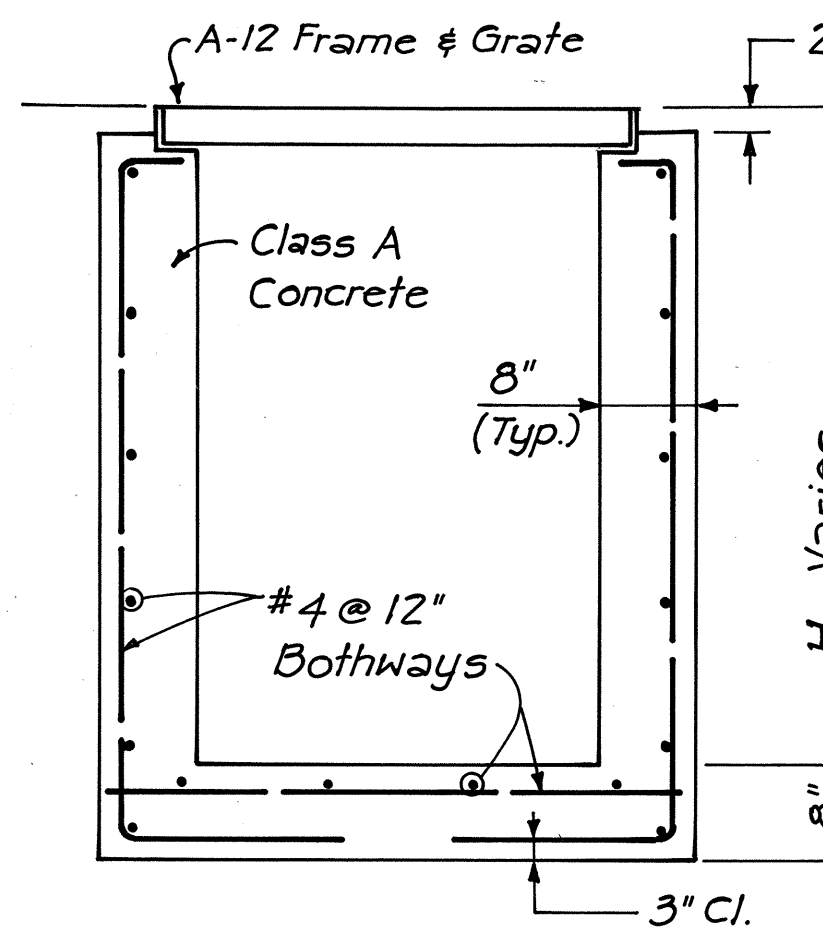


TYPICAL SECTION - RAMP III & IV

N.T.S.



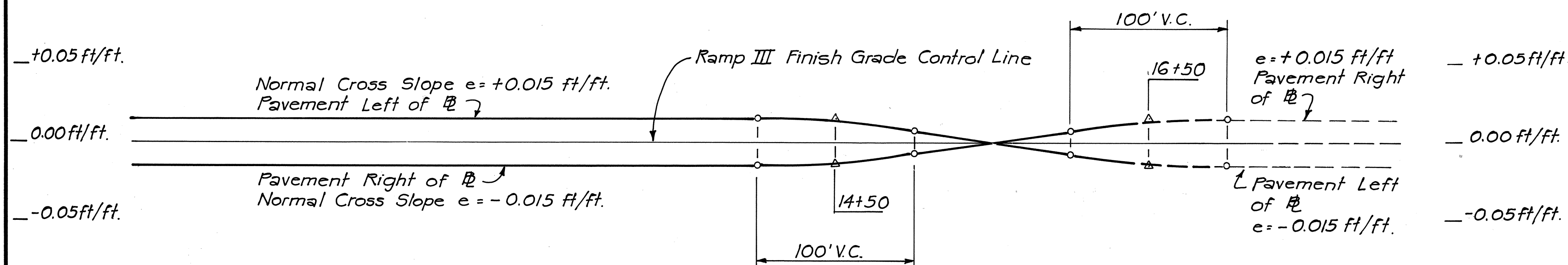
PLAN



SECTION A-A

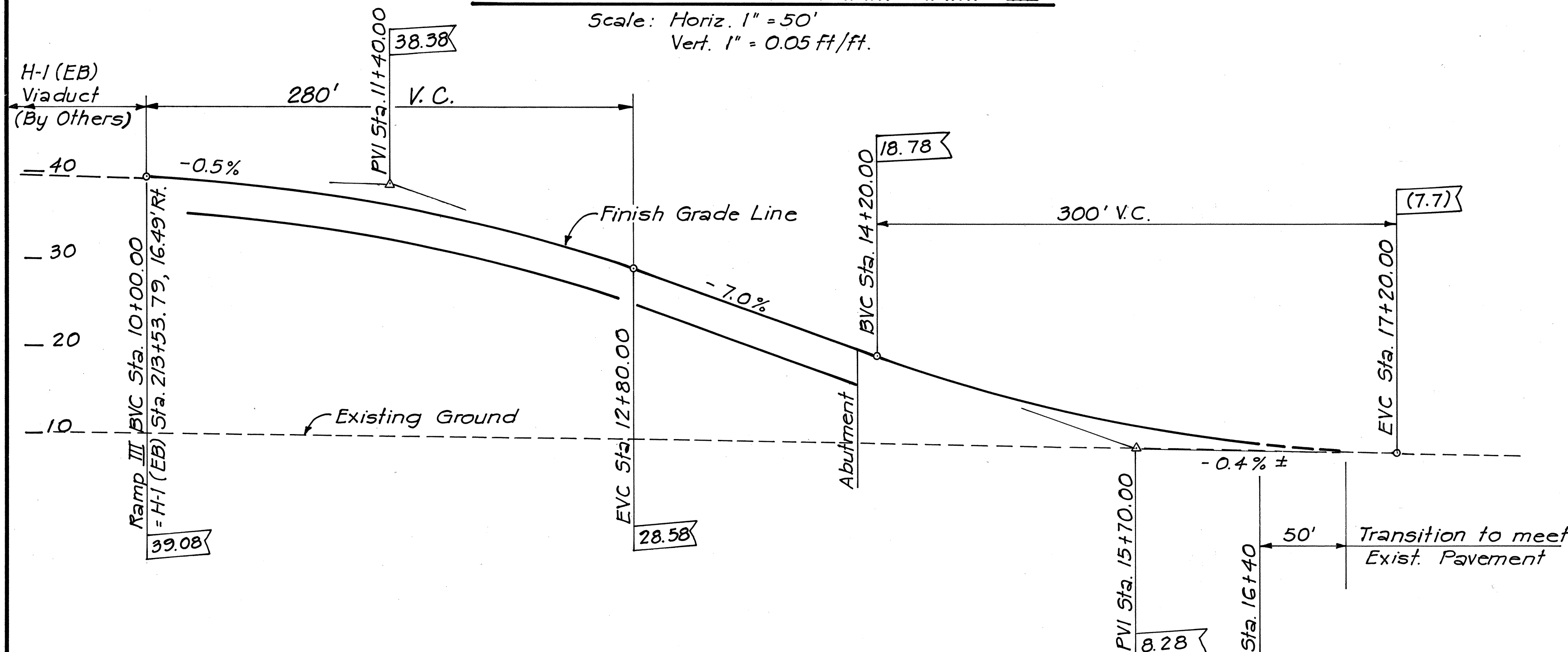
NOTES:

1. Culvert shall leave Drop Intake from any position & any direction indicated by plans or ordered by the Engineer. Culverts may both enter & leave Drop Intake so that Drop Intake will act as Manhole.
2. Manhole Rungs (12" o.c.) are required when "H" is greater than 4 feet 6 inches. Only one rung (16 inches from the bottom) is required if "H" is 4 feet 6 inches or less. Manhole Rungs may be placed at any location as ordered by the Engineer.



SUPERELEVATION - DIAGRAM RAMP III

Scale: Horiz. 1" = 50'
Vert. 1" = 0.05 ft/ft.

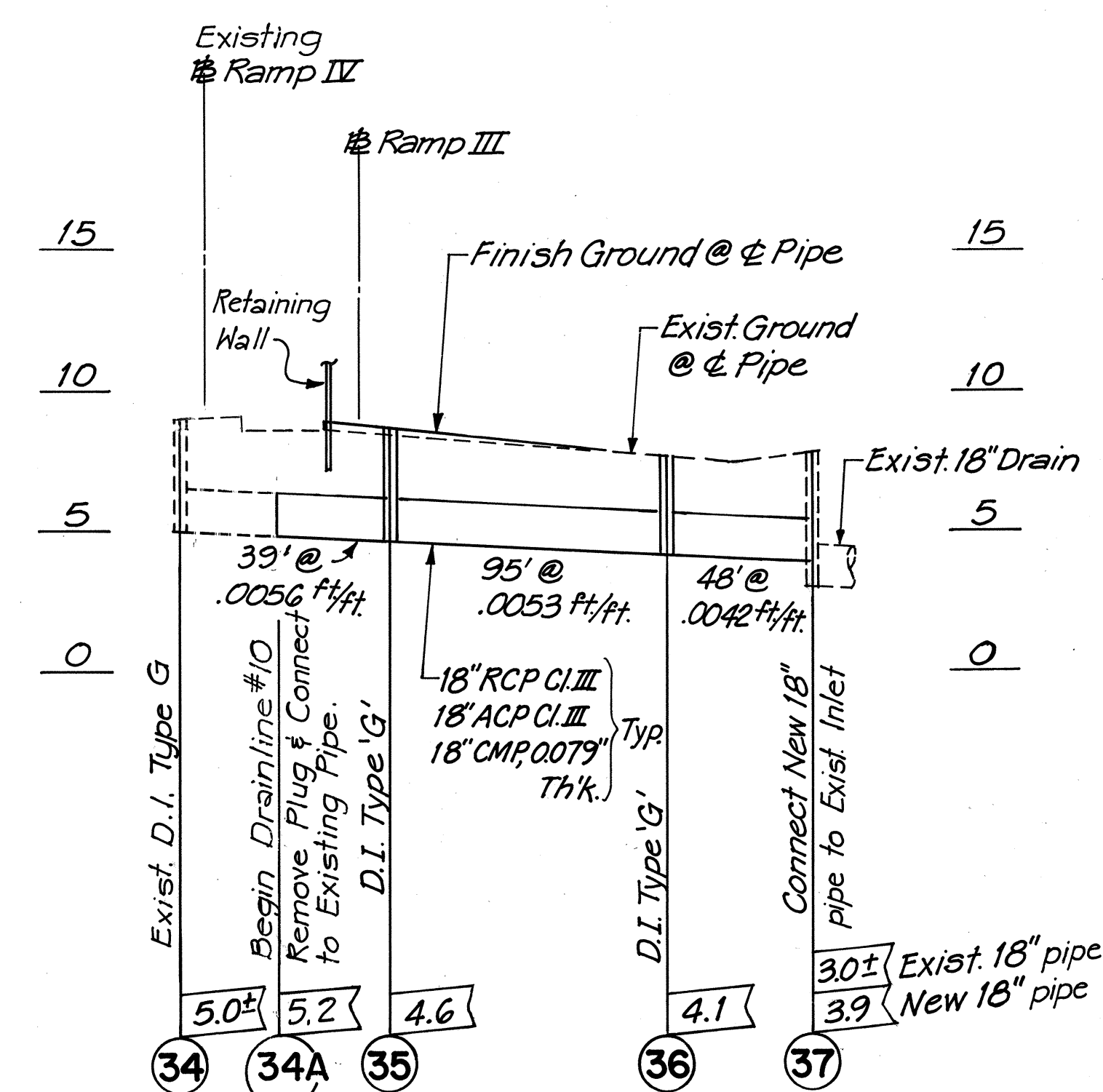


PROFILE - RAMP III

Scale: Horiz. 1" = 50'
Vert. 1" = 10'

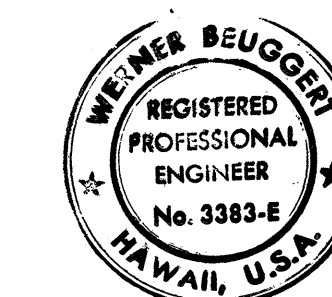
DROP INTAKE TYPE 'G'

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



PROFILE - DRAINLINE #10

Scale: Horiz. 1" = 50'
Vert. 1" = 5'



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**STAGE 1B
PROFILES & DETAILS**

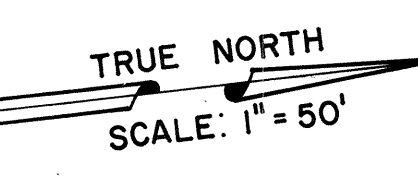
INTERSTATE ROUTE H-1
PROJECT NO. I-HI-1(147):17

SCALE: AS SHOWN DATE: 4/2/79
SHEET No. C-2 OF 24 SHEETS

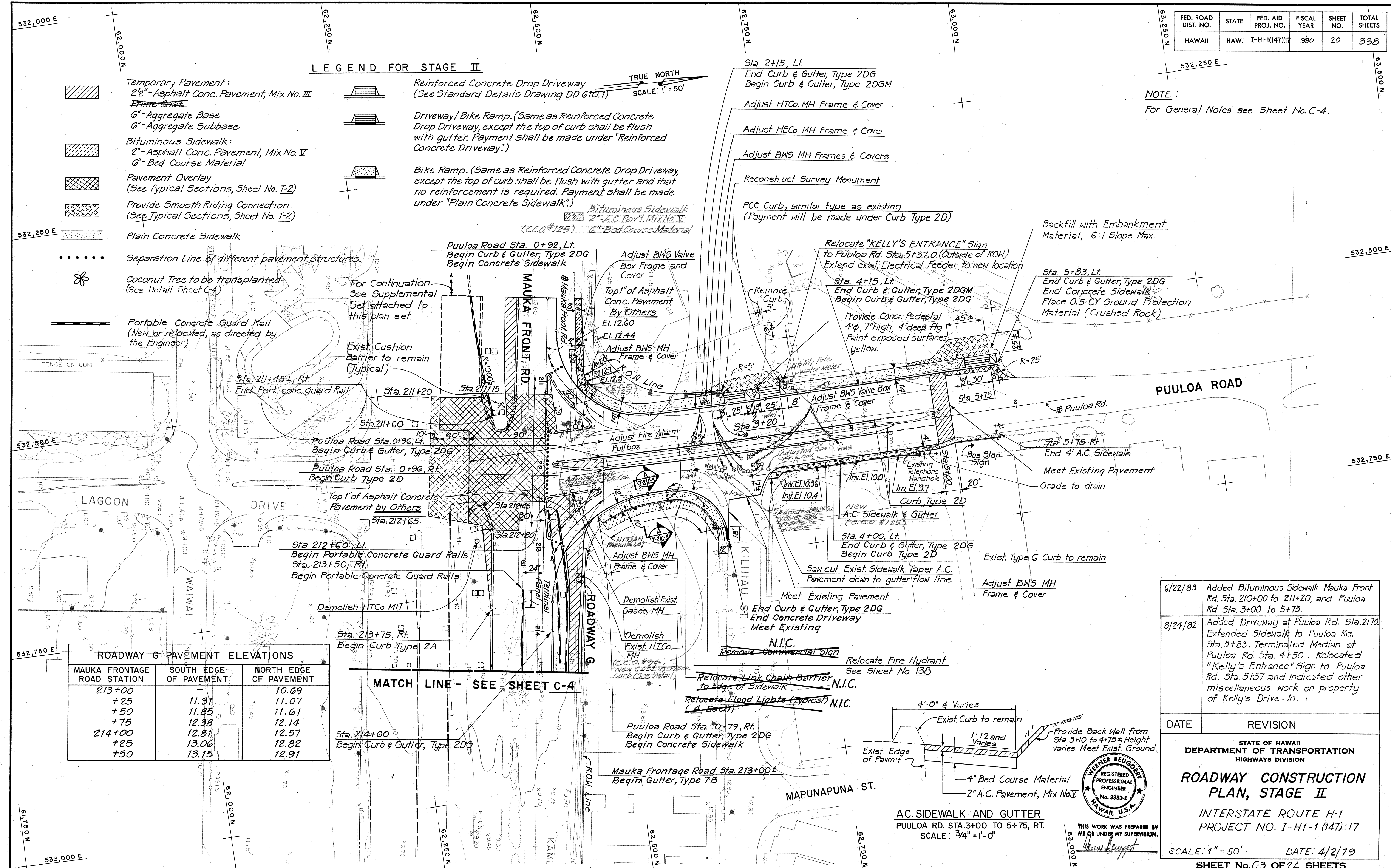
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(147)17	1980	20	338

LEGEND FOR STAGE II

- Temporary Pavement:
2 1/2" Asphalt Conc. Pavement, Mix No. III
Prime Coat
6" Aggregate Base
6" Aggregate Subbase
- Bituminous Sidewalk:
2" Asphalt Conc. Pavement, Mix No. II
6" Bed Course Material
- Pavement Overlay.
(See Typical Sections, Sheet No. T-2)
- Provide Smooth Riding Connection.
(See Typical Sections, Sheet No. T-2)
- Plain Concrete Sidewalk
- Separation Line of different pavement structures.
- Coconut Tree to be transplanted.
(See Detail Sheet C-4)
- Portable Concrete Guard Rail
(New or relocated, as directed by the Engineer)
- Reinforced Concrete Drop Driveway
(See Standard Details Drawing DD G10.1)
- Driveway/Bike Ramp. (Same as Reinforced Concrete Drop Driveway, except the top of curb shall be flush with gutter. Payment shall be made under "Reinforced Concrete Driveway".)
- Bike Ramp. (Same as Reinforced Concrete Drop Driveway, except the top of curb shall be flush with gutter and that no reinforcement is required. Payment shall be made under "Plain Concrete Sidewalk".)
- Bituminous Sidewalk
2" A.C. Pavt. Mix No. II
6" Bed Course Material
(C.C.O. #125)



NOTE:
For General Notes see Sheet No. C-4.

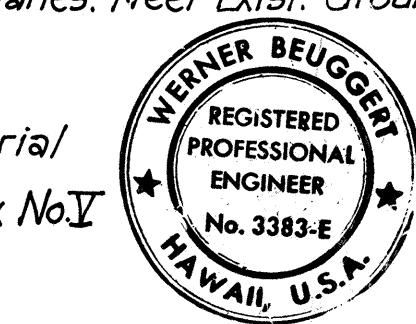


MAUKA FRONTAGE ROAD STATION	SOUTH EDGE OF PAVEMENT	NORTH EDGE OF PAVEMENT
213+00	-	10.69
+25	11.31	11.07
+50	11.85	11.61
+75	12.38	12.14
214+00	12.81	12.57
+25	13.06	12.82
+50	13.15	12.91

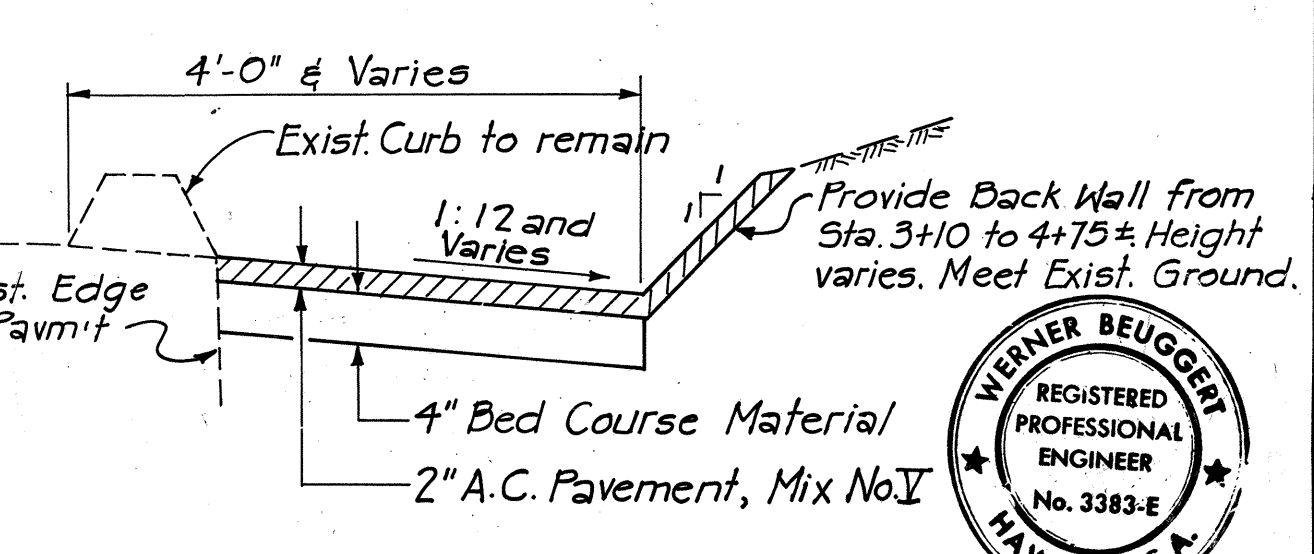
DATE	
SURVEY PLATTED BY	
DRAWN BY	
TRACED BY	
NOTED BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	

6/22/83	Added Bituminous Sidewalk Mauka Front Rd. Sta. 210+00 to 211+20, and Puuloa Rd. Sta. 3+00 to 5+75.
8/24/82	Added Driveway at Puuloa Rd. Sta. 2+70. Extended Sidewalk to Puuloa Rd. Sta. 5+83. Terminated Median at Puuloa Rd. Sta. 4+50. Relocated "Kelly's Entrance" Sign to Puuloa Rd. Sta. 5+37 and indicated other miscellaneous work on property of Kelly's Drive-In.

DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION ROADWAY CONSTRUCTION PLAN, STAGE II INTERSTATE ROUTE H-1 PROJECT NO. I-HI-1 (147):17 SCALE: 1" = 50' DATE: 4/2/79 SHEET No. C-3 OF 24 SHEETS	

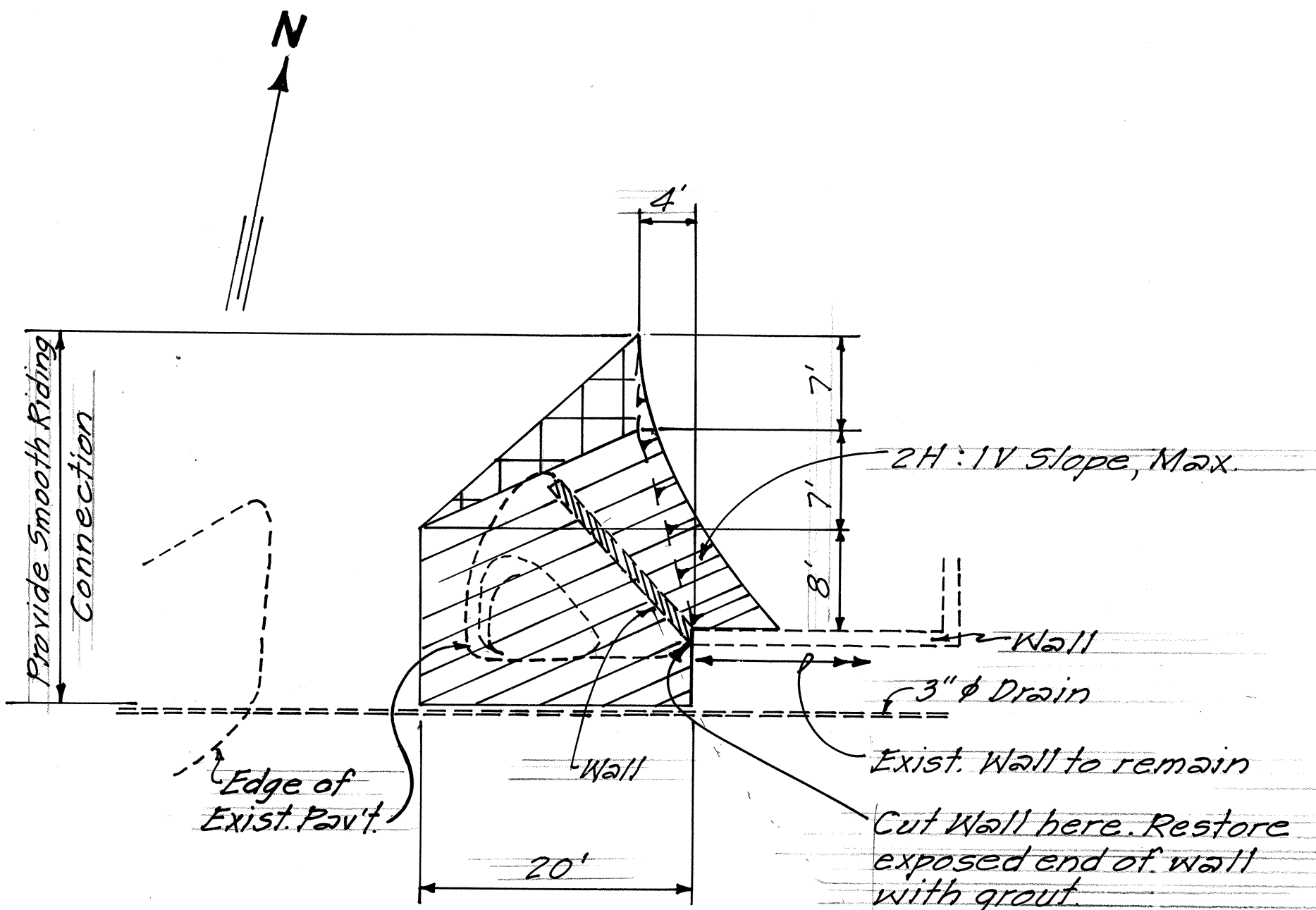


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A.C. SIDEWALK AND GUTTER
PUULOA RD. STA. 3+00 TO 5+75, RT.
SCALE: 3/4" = 1'-0"

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HI-1(147):17	1980	C.O.20 S-1	338



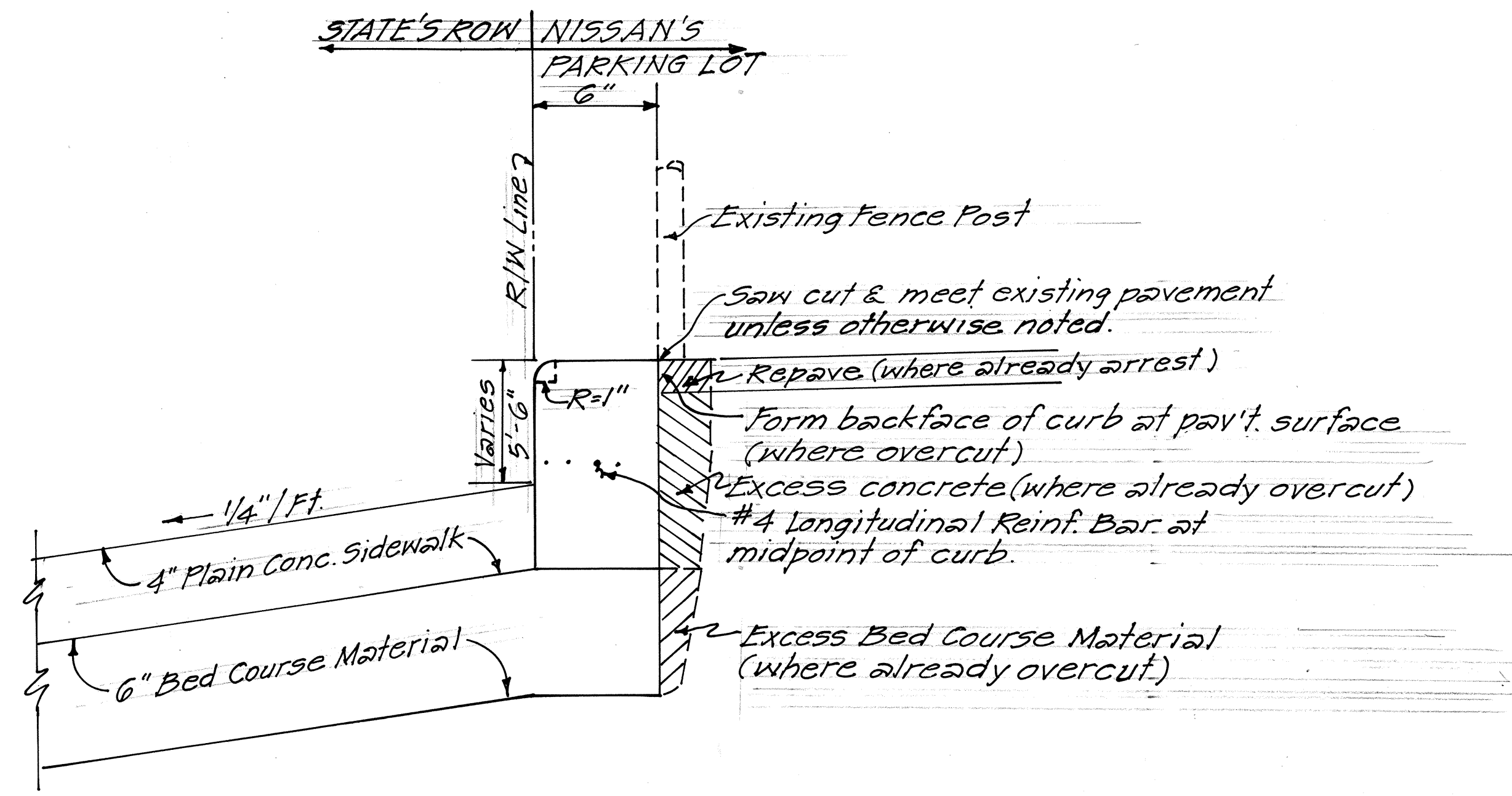
LEGEND

- 2" Asphalt Conc. Pavement, Mix No. I, 6" Aggregate Base
- Pavement Overlay with Mix No. I, Bituminous Tack Coat
- Remove existing wall

WALL REMOVAL AND A.C. PAVEMENT WORK AT KELLY'S DRIVE-IN

Scale: Approx. 1" = 10'

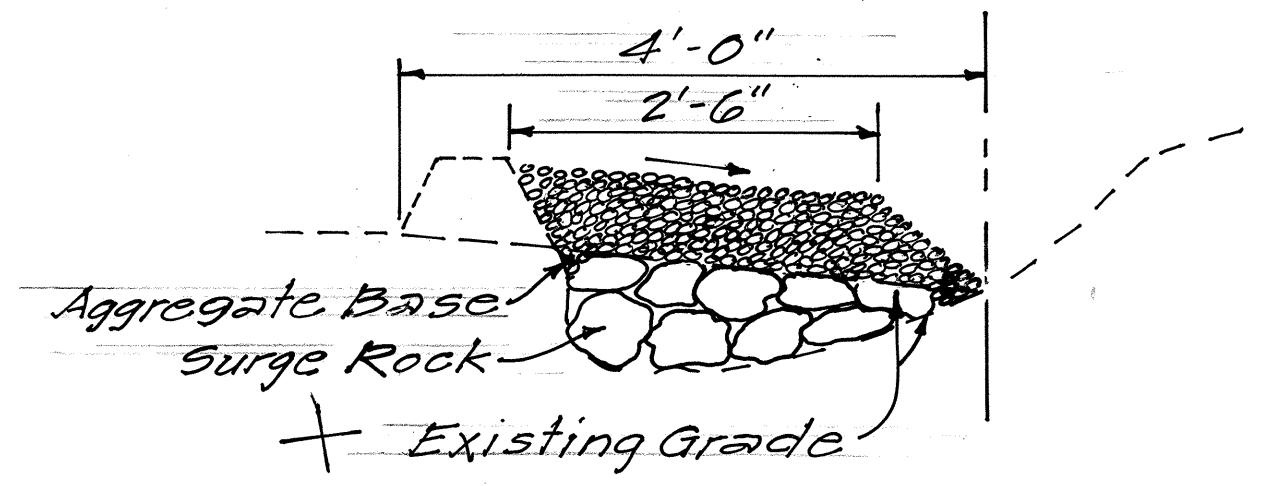
CHANGE ORDER #100 Date: 8/24/82



DETAIL OF CAST-IN-PLACE CURB @ NISSAN PARKING LOT

CHANGE ORDER #74

Date: 7/14/82



TYPICAL SIDEWALK
PUULOA RD. STA. 3+00 to 5+75 RT.
Scale: 3/4" = 1'-0"

CHANGE ORDER #125

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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
LAND TRANSPORTATION FACILITIES DIVISION

ROADWAY CONSTRUCTION
PLAN, STAGE II
INTERSTATE ROUTE H-1
PROJECT NO. I-HI-1(147):17
Scale: 1" = 50'

GENERAL NOTES

- Unless noted or directed otherwise, existing pavement below proposed roadways and pavement within 6' of the finished grade in areas to be graded shall be removed. All other existing pavement shall be rooted, plowed, pulverized or scarified to a min. depth of 6" below existing pavement surface or a min. 12" below the proposed finished grade, whichever is lower. Payment for removal of existing pavement will be made under "Roadway Excavation". Payment for scarifying, etc. of existing pavement shall be considered incidental to various contract items.
- Payment for removal and disposal of existing structures, concrete slabs, manholes, A.C. curbs on existing pavement, guard rails, trees and bushes, etc. shall be considered incidental to various contract items, unless indicated otherwise. Removed guard rails shall be salvaged and stockpiled on site as directed by the Engineer.
- The rehabilitation work for Puuloa Rd., Ahua St. and Kakoi St. shown on plans are for bidding 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.
- The Roadway Construction Plans for Stage II do not fully reflect previous Keolu Interchange construction work. See Sheet No. C-1 for updated existing condition.
- Existing pavement which is damaged through excavation or other work shall be restored to its original condition if necessary for the maintenance of traffic in this contract, or directed by the Engineer. Portable Concrete Guard Rails which have been removed for construction purposes shall be reset at the original location. Payment for the above work items shall be considered incidental to various contract items.
- All metal guard rails including end shoes shall be lapped in the direction of the traffic.
- Transition from one type to another type of Curb & Gutter shall be 10' long.
- Covers of utility structures which are in service shall be adjusted to finish grade whether or not they are shown on Plans. Abandoned utility manholes, boxes, etc., within area of work shall be demolished and ducts, pipes, etc. shall be plugged; payment shall be considered incidental to various contract items.
- The field office area shall be secured with temporary fencing comparable to the proposed fence during removal work of existing fence and until new fence is completed. Payment considered incidental to various contract items.
- Provide 6" Bed Course Material under Driveways and Bike Ramps.
- Existing fences within construction easements may be temporarily removed if it facilitates the construction of permanent roadway facilities. The properties shall be secured with temporary fencing comparable to the existing at all times. Payment for temporary fencing shall be considered incidental to various contract items. Payment for removal and reconstruction of existing fences shall be considered incidental to various contract items unless removal & reconstruction of fence is indicated on Plans.

ROADWAY G PAVEMENT ELEVATIONS		
MAUKA FRONTAGE ROAD STATION	SOUTH EDGE OF PAVEMENT	NORTH EDGE OF PAVEMENT
214+50	13.15	12.91
214+75	13.07	12.83
215+00	12.94	12.70
215+50	12.68	12.44
216+00	12.42	12.18
216+50	12.16	11.92
217+00	11.90	11.66
217+50	11.64	11.40
218+00	11.35	11.11
218+25	11.06	10.82
218+50	10.65	10.41
219+00	9.50	9.26
219+50	8.26	8.02
220+00	7.05	6.81

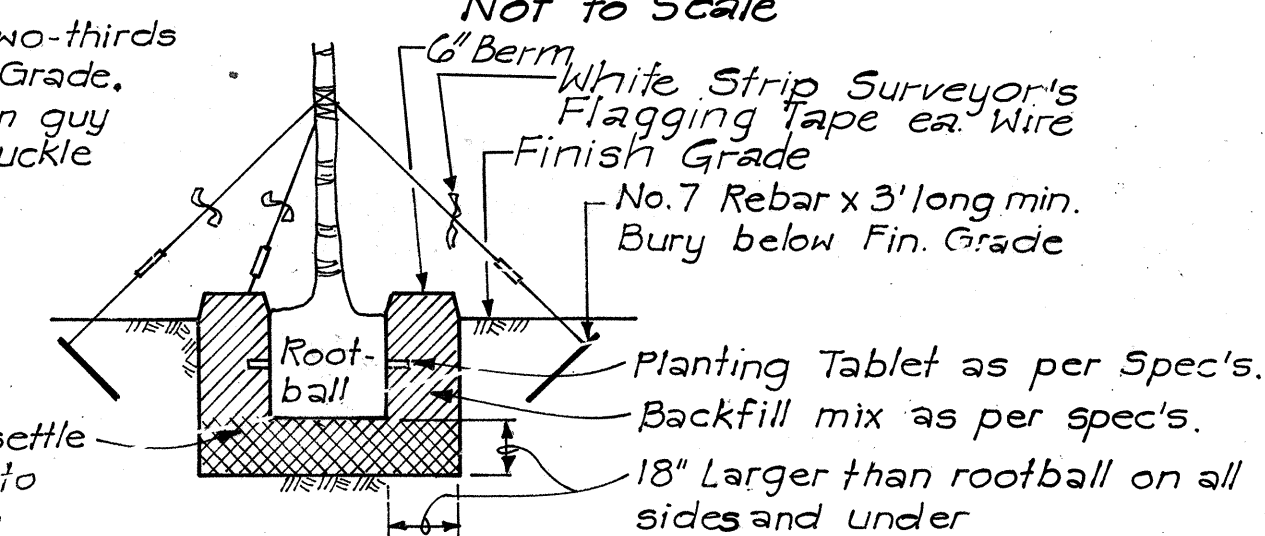
BIKEWAY/WALKWAY PAVEMENT ELEVATIONS		
MAUKA FRONTAGE ROAD STATION	SOUTH EDGE OF PAVEMENT	NORTH EDGE OF PAVEMENT
222+00	6.33	6.17
222+25	5.81	5.65
222+50	5.29	5.13
222+75	4.79	4.63
223+00	4.40	4.24
223+25	4.14	3.98
223+50	4.02	3.86
223+75	4.00	3.84
225+00	4.00	3.84

MATCH LINE - SEE SHEET C-3

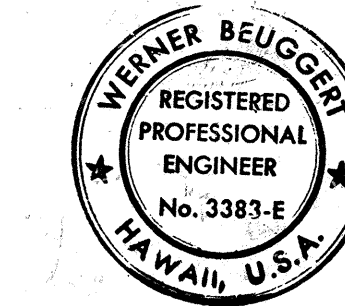
MATCH LINE SEE SHEET C-5

NOTE:

Guy Tree @ two-thirds ht. from Fin. Grade. No. 9 galv. iron guy wire w/ turnbuckle ea. wire.



TRANSPLANTED COCONUT TREES
Not to Scale



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7/1/81 Revised Sidewalk at Ahua St. intersection and added Wheel Chair Ramp Details
DATE REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CONSTRUCTION
PLAN, STAGE II

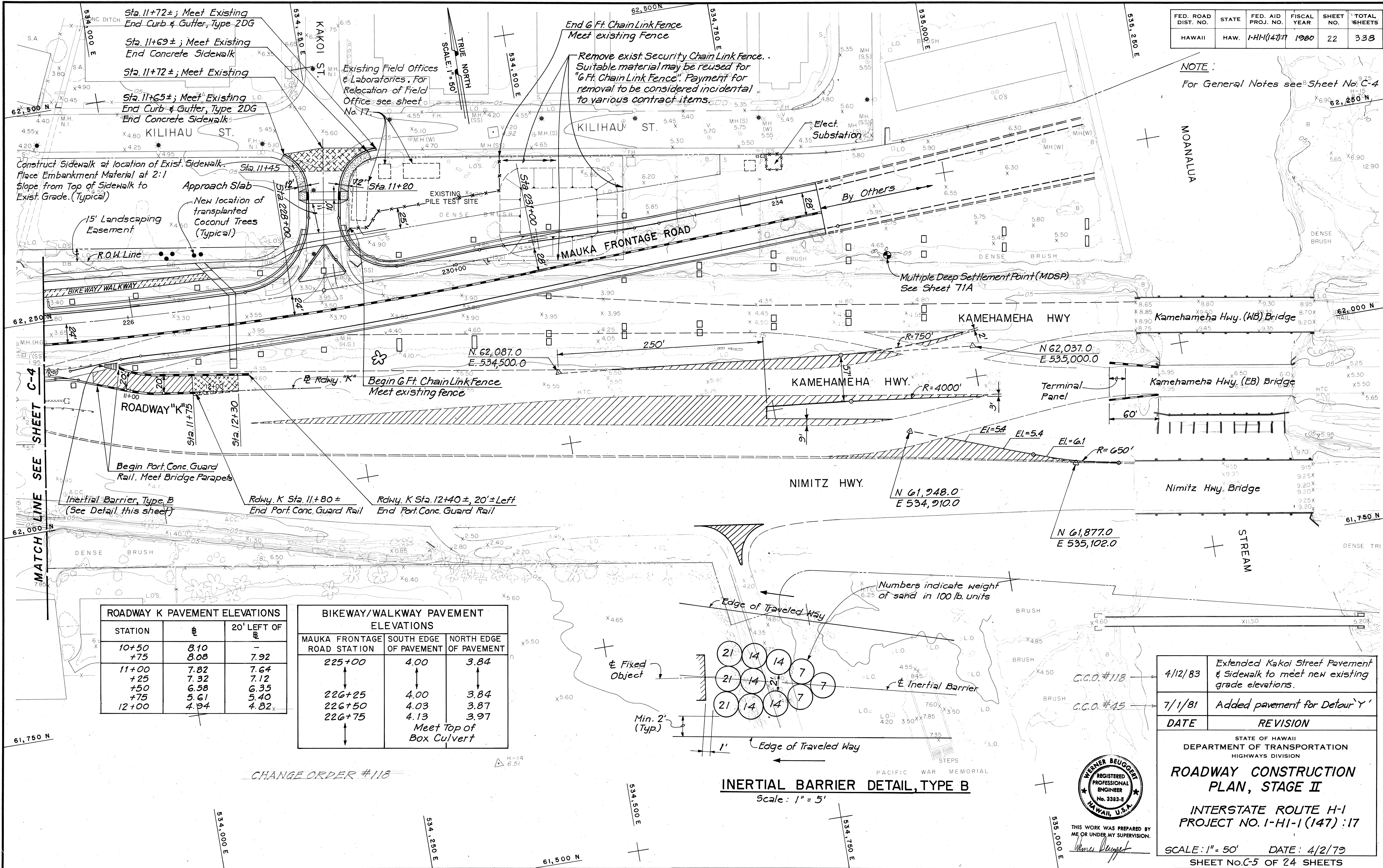
INTERSTATE ROUTE H-1
PROJECT NO. I-H1-1 (147):17

SCALE: 1" = 50' DATE: 4/2/79
SHEET No. C-4 OF 24 SHEETS

C.O. 21

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(147)17	1980	22	338

NOTE:
For General Notes see Sheet No. C-4



ROADWAY K PAVEMENT ELEVATIONS		
STATION	EL	20' LEFT OF EL
10+50	8.10	-
+75	8.08	7.92
11+00	7.82	7.64
+25	7.32	7.12
+50	6.58	6.35
+75	5.61	5.40
12+00	4.94	4.82

BIKEWAY/WALKWAY PAVEMENT ELEVATIONS		
MAUKA FRONTAGE ROAD STATION	SOUTH EDGE OF PAVEMENT	NORTH EDGE OF PAVEMENT
225+00	4.00	3.84
226+25	4.00	3.84
226+50	4.03	3.87
226+75	4.13	3.97
Meet Top of Box Culvert		

INERTIAL BARRIER DETAIL, TYPE B
Scale: 1" = 5'

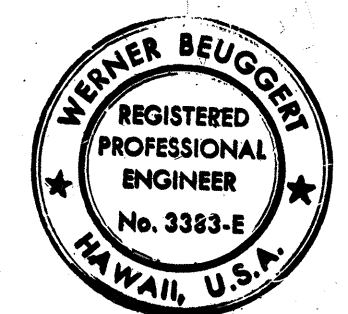
DATE	REVISION
4/12/83	Extended Kakoi Street Pavement & Sidewalk to meet new existing grade elevations.
7/1/81	Added pavement for Detour 'Y'

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**ROADWAY CONSTRUCTION
PLAN, STAGE II**

INTERSTATE ROUTE H-1
PROJECT NO. I-HI-1(147)17

SCALE: 1" = 50' DATE: 4/2/79
SHEET NO. C-5 OF 24 SHEETS



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