NO. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
	HAWAII	RS-S-0720(3) UNIT 3	1960	G	79
		RP-072-1(6) UNIT 4	1960	G	118

END OF PROJ. NO. S-0720(3) UNIT 3 Sta. 345+50.25 98+78.06

BEG. OF PROJECT No. US-S-0720(3) UNIT 3 Sta. 346+50

ROADWAY RELOCATION H.O.D. FORT SHAFTER SEE SHEET 39

HAWAIIAN ORDNANCE DEPOT FORT SHAFTER

ROADWAY RELOCATION H.O.D. FORT SHAFTER SEE SHT 39

TRUE NORTH Scale 1" = 50'

M.L.

Exist. C.B.M. Wall

Existing 36" RCP

SDMH #2A Inv. = 46.20

Existing Concrete Headwall

"M-1" ℄ P.C. Sta. 32+82.87 R = 850.00'

"M-1" ℄ P.T. Sta. 34+75.07

24" RCP (Class III)

"M-1" ℄ P.O.C. Sta. 34+50.25 98+78.06

Exist. Chain Link Fence

Exist. tile wall Inv. 7.43

8'x3' Conc. Box Culvert

Outlet Inv. = 12.50

Conc. Ditch

R/W Line

SDMH #1A Inv. = 9.06

CB #4A Inv. = 8.03

36" RCP (Class III)

CB #4 Inv. = 8.00

Inv. 7.73

24" RCP (Class III)

CB #4A Inv. = 8.05

84" RCP (Class III)

Existing 8'x3' Box Culvert

Existing 8'x4' Box Culvert

Type "B" curb & gutter

Type "A3" Curb & Gutter

Type "A" Curb

Type "A3" Curb & Gutter

Type "B" Curb

Type "A" Curb & Gutter

Existing 24" RCP

Existing 36" RCP

Existing 48" RCP

Existing 60" RCP

Existing 72" RCP

Existing 84" RCP

Existing 96" RCP

Existing 108" RCP

Existing 120" RCP

Existing 132" RCP

Existing 144" RCP

Existing 156" RCP

Existing 168" RCP

Existing

NO.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	S-0720(3)	1960	G	79
		F-073-1(7)	1960	G	118

ROADWAY RELOCATION H.O.D. FORT SHAFTER SEE SHEET 32

HAWAIIAN ORDNANCE DEPOT FORT SHAFTER

ROADWAY RELOCATION H.O.D. FORT SHAFTER SEE SHT 39

END OF PROJ. NO. S-0720(3)

BEG. OF PROJECT NO. U-S-S-0720(3) UNIT 3 STA. 346+50

TRUE NORTH Scale 1"=50'

M-1 & CURVE DATA Δ = 41°27'20" R = 1720.00 T = 650.80 Lc = 1242.48

KING STREET

RAMP "M-1"

M-1 Station Line CB #10 Inv = 4125

UNIT 3 / UNIT 4

END OF PROJ. No. U-S-S-0720(3) Sta. 359+49.08

BEG. OF PROJ. No. BU-0782-1(2) Sta. 7+50

UNIT 4

Cleanout Sta. 351+15

Cleanout Sta. 351+10

Cleanout Sta. 355+70

Cleanout Sta. 359+50

Existing underground utility vault to be removed

6" Perforated Drain Pipe Line "K"

6" Perforated Subdrain Pipe adjacent to 48" drain pipe (Exact location to be determined by the Engineer)

Cleanout to be similar to that for CMP and shall be incidental to 6" Perforated Subdrain Pipe.

18" Perforated Subdrain Pipe

STRUCTURE "A"

STRUCTURE "E"

Salvage existing lava rock curb

Left Edge

Station Line

New R/W Boundary

Middle St. Sta. 20+11.61

MFT Sta. 21+64.13

FW Sta. 8+07.83

Middle St. Sta. 18+60.34

Middle St. Sta. 17+48.50

King St. Sta. 14+27.11

P.C. Sta. 16+36.83

P.T. Sta. 19+32.30

P.C. #2 Sta. 7+02.41

P.T. #2 Sta. 22+46.64

KING ST. & CURVE DATA Δ = 60°03'00" R = 2650.00 T = 101.16 Lc = 208.79

M-1 & CURVE DATA Δ = 15°55'35" R = 9000.00 T = 1256.50 Lc = 2501.50

M-1 & ROC Sta. 37+00.00 96+78.06

M-1 & ROC Sta. 31+82.67 R = 2834.37

M-1 & ROC Sta. 31+75.00

M-1 & ROC Sta. 28+66.73

M-1 & ROC Sta. 27+50.00

M-1 & ROC Sta. 26+50.00

M-1 & ROC Sta. 25+50.00

M-1 & ROC Sta. 24+50.00

M-1 & ROC Sta. 23+50.00

M-1 & ROC Sta. 22+50.00

M-1 & ROC Sta. 21+50.00

M-1 & ROC Sta. 20+50.00

M-1 & ROC Sta. 19+50.00

M-1 & ROC Sta. 18+50.00

M-1 & ROC Sta. 17+50.00

M-1 & ROC Sta. 16+50.00

M-1 & ROC Sta. 15+50.00

M-1 & ROC Sta. 14+50.00

M-1 & ROC Sta. 13+50.00

M-1 & ROC Sta. 12+50.00

M-1 & ROC Sta. 11+50.00

M-1 & ROC Sta. 10+50.00

M-1 & ROC Sta. 9+50.00

M-1 & ROC Sta. 8+50.00

M-1 & ROC Sta. 7+50.00

M-1 & ROC Sta. 6+50.00

M-1 & ROC Sta. 5+50.00

M-1 & ROC Sta. 4+50.00

M-1 & ROC Sta. 3+50.00

M-1 & ROC Sta. 2+50.00

M-1 & ROC Sta. 1+50.00

M-1 & ROC Sta. 0+50.00

M-1 & ROC Sta. -0+50.00

M-1 & ROC Sta. -1+50.00

M-1 & ROC Sta. -2+50.00

M-1 & ROC Sta. -3+50.00

M-1 & ROC Sta. -4+50.00

M-1 & ROC Sta. -5+50.00

M-1 & ROC Sta. -6+50.00

M-1 & ROC Sta. -7+50.00

M-1 & ROC Sta.

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	BU-056-1(2) UNIT 4	1960	7	118
		BU-056-1(1) UNIT 3	1960	6	115

NOTE:
Refer to various Detail Plans and to Profiles of King St., Ola Lane, and to Ramps "M-1", "M-2", "M-3", "M-4".

FREEWAY & CURVE DATA
Δ = 40° 59' 50"
R = 1400.00
T = 651.30
Lc = 1210.22

"M-4" CURVE DATA
Δ = 38° 00' 20"
R = 296.65
T = 102.16
Lc = 196.77

"M-2" & CURVE DATA
Δ = 38° 00' 00"
R = 300.00
T = 103.31
Lc = 199.00

"M-1" & CURVE DATA
Δ = 41° 27' 20"
R = 1720.00
T = 650.89
Lc = 1244.48

℄ CURVE DATA OLA LANE
Δ = 73° 31' 46"
R = 64.00
T = 47.85
Lc = 82.13

℄ CURVE DATA OLA LANE
Δ = 68° 54' 55"
R = 140.00
T = 99.83
Lc = 161.16

"M-2" & CURVE DATA
Δ = 3° 33' 00"
R = 1186.00
T = 334.48
Lc = 661.07

"M-3" & CURVE DATA
Δ = 11° 03' 20"
R = 1284.00
T = 140.72
Lc = 280.56

"M-3" & CURVE DATA
Δ = 13° 48' 00"
R = 1038.98
T = 125.65
Lc = 250.08

℄ CURVE DATA HORNER ST.
Δ = 15° 32' 00"
R = 130.00
T = 17.73
Lc = 35.24

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Civil and Structural Engineers

FREEWAY PROFILE

SHEET No. 2 OF 9 SHEETS

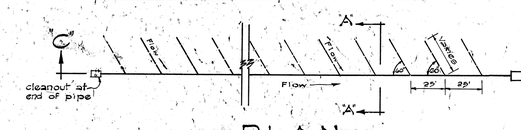
S174.7

S161.6

SUBDRAIN DETAILS

NOTE:
1. Dimensions typical unless noted. Otherwise on plans.
2. All laterals shall be 6" CMP perforated subdrain pipe IG ga.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
		BU-078-(2E) UNIT 2	1960	7	118
		BU-078-1(1) UNIT 3	1960	6	118

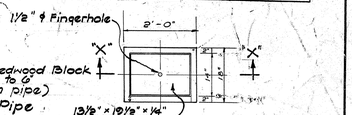


PLAN

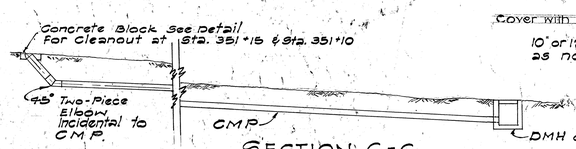


Detail "B"

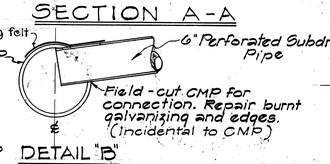
SECTION A-A



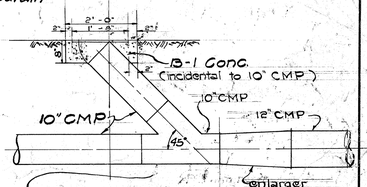
PLAN



SECTION C-C

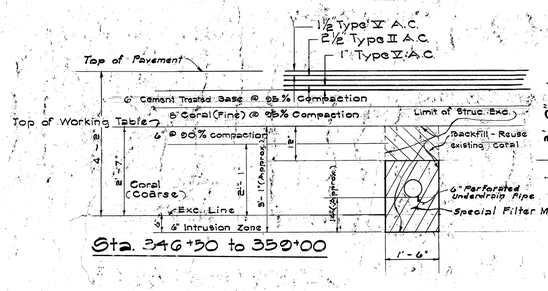


DETAIL "B"

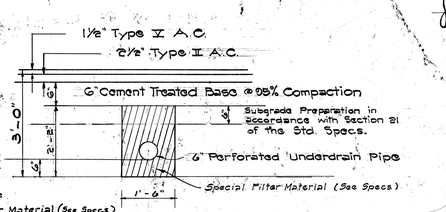


DETAIL of CLEANOUT and CONCRETE BLOCK at Sta. 351+15 & 351+10

SECTION "X-X"



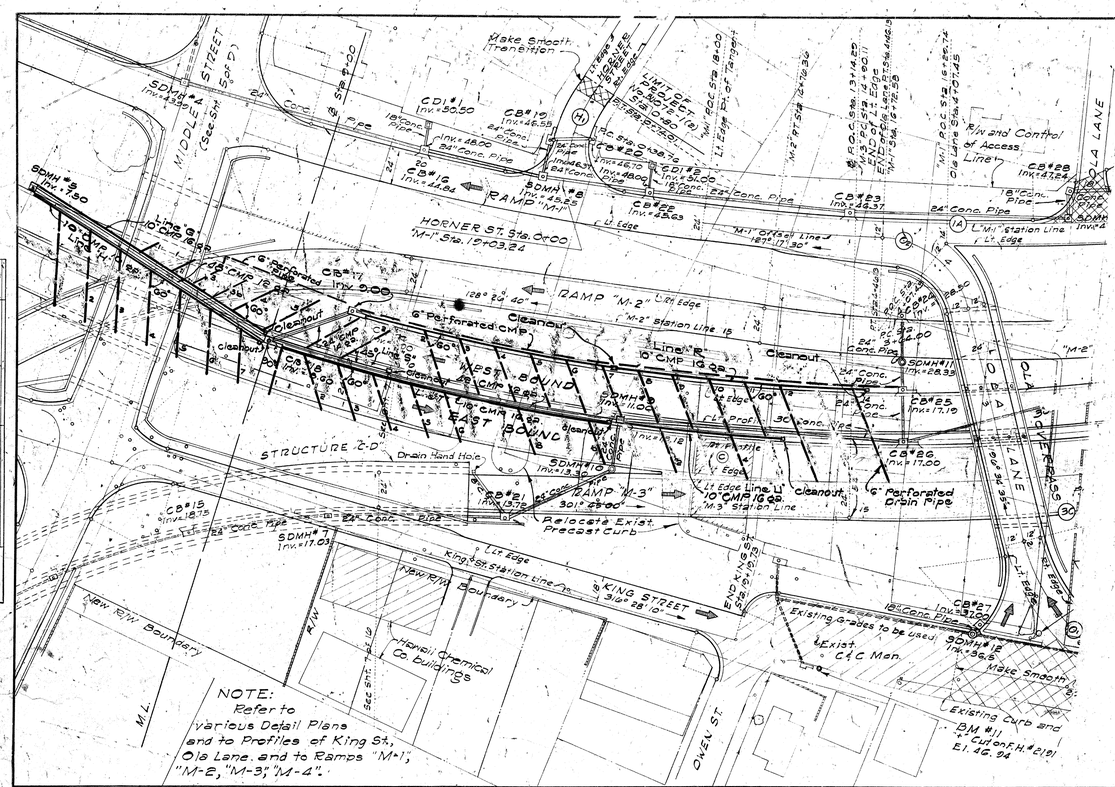
Sta. 346+50 to 350+00



Sta. 350+00 to 14+00

TYPICAL SECTIONS

NOT TO SCALE


Make Smooth Transition
MIDDLE STREET (See Sht. 5 of 5)
CD1#4 Inv.+50.50
CB#19 Inv.+46.50
SDMH#4 Inv.+43.50
CB#16 Inv.+44.84
SDMH#8 Inv.+45.25
RAMP "M-1"
HORNER ST. Sta. 0+00
"M-1" Sta. 12+03.24
CB#17 Inv.+9.00
CB#18 Inv.+8.95
CB#20 Inv.+8.85
RAMP "M-2"
"M-2" Station Line 15
WEST BOUND
EAST BOUND
10" CMP IG ga.
6" Perforated CMP
Cleanout
Line "E"
Line "G"
STRUCTURE "C-D"
Drain Hand Hole
SDMH#10 Inv.+3.42
CB#21 Inv.+13.75
RAMP "M-3"
30:1 Grade
Relocate Exist. Precast Curb
CB#15 Inv.+12.75
SDMH#7 Inv.+11.03
King St. Station Line
Slope 28:12
KING STREET
New R/W Boundary
Hawaii Chemical Co. Buildings
Sec. Sht. 13
R/W
M.L.
OLA LANE
"M-2" Station Line 10
"M-3" Station Line 11
"M-4" Station Line 12
Lt. Edge
Rt. Edge
Prof.
30" Conc. Pipe
24" Conc. Pipe
18" Conc. Pipe
CB#22 Inv.+11.00
CB#23 Inv.+14.31
CB#24 Inv.+14.25
CB#25 Inv.+17.19
CB#26 Inv.+17.00
CB#27 Inv.+21.20
SDMH#11 Inv.+28.39
SDMH#12 Inv.+36.15
SDMH#13 Inv.+36.50
CB#28 Inv.+43.84
CB#29 Inv.+43.37
CB#30 Inv.+43.07
CB#31 Inv.+42.77
CB#32 Inv.+42.47
CB#33 Inv.+42.17
CB#34 Inv.+41.87
CB#35 Inv.+41.57
CB#36 Inv.+41.27
CB#37 Inv.+40.97
SDMH#14 Inv.+41.07
SDMH#15 Inv.+36.50
SDMH#16 Inv.+31.80
SDMH#17 Inv.+27.20
SDMH#18 Inv.+22.60
SDMH#19 Inv.+18.00
SDMH#20 Inv.+13.40
SDMH#21 Inv.+8.80
SDMH#22 Inv.+4.20
SDMH#23 Inv.+0.00
Existing Grades to be used
Exist. C&C Mon.
Existing Curb and C.L.
B.M. #11 Cut on F.H. # 2121 El. 46.94
Make Smooth Transition
END KING ST. Sta. 10+00
Sta. 13+00 Begin Curve
Sta. 14+00 End Curve

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	BU-072-1(7) UNIT 3	1980	7	118
		BU-072-1(8) UNIT 4	1980	8	118

NOTE: Refer To Detail Plans and Other Profile Sheets

NOTE: For Typical Section of RICHARD LANE, see sht. 26
For Typical Section of RICHARD LANE "A", see sht. 25

BEGIN RAMP "M-1" ℄ M-1 Sta 6+88.06 ℄ M-2 Sta 3+73.22

BEGIN RAMP "M-2" Sta 0+00 ℄ P.C.C. Sta 27+41.24

CDI #5A Inv. = 37.50 ℄ Sta 32+00

CDI #5 Inv. = 43.00

CDI #5.5 Inv. = 43.00

SDMH #18 Inv. = 38.48

CB #38 Inv. = 47.00

SDMH #20 Inv. = 44.50

CB #40 Inv. = 50.05

CB #37 Inv. = 40.46

CB #39 Inv. = 45.08

CB #41 Inv. = 37.39

CB (Exist) Inv. = 41.66

CB (Exist) Inv. = 41.66

CB (Exist) Inv. = 48.32

CB (Exist) Inv. = 42.50

SDMH #21 (Exist) Inv. = 43.06

SDMH #G-1 (Exist) Inv. = 47.62 S Inv. = 47.62 E

CB #8 Spike in pav't ℄ Sta. 24+69 ± 90° ℄ El. = 58.32

BM #7 "+" Cut in Mauka rim SMH El. 46.69

BM #6 "Cut on FH" 2182 El. 65.77

"M-1" Station Line

"M-2" Station Line

"M-4" Station Line

M.L.

RAMP "M-2"

RAMP "M-4"

END RAMP "M-4" ℄ M-4 Sta 8+86.15 ℄ P.O.C. Sta 25+54.49

"M-1" Sta 6+20.02 ℄ Sta 22+84.87

"M-2" Rt. Sta 23+72.15

℄ P.C. #3 Sta 23+72.15

"M-2" Sta 24+00.00

P.C. Sta 0+51.09

"M-2"

℄ P.C.C. Sta 27+41.24

New R/W and Control of Access Line

New R/W Line

Control of Access Line

New R/W Boundary

Lt. Edge Point of Tangent Freeway ℄ Sta. 30+50.00

Freeway Lt. Edge Offset (Not Radial)

Freeway ℄

Median

Lt. Edge

Lt. Profile

Rt. Profile

Rt. Edge

Lt. Edge "M-4" Station Line

Lt. Edge "M-2" Station Line

Lt. Edge

Rt. Edge

Lt. Edge

Rt. Edge

Lt. Edge

Rt. Edge

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
NAWAII	HAW.	BU-065-1(1) UNIT 3	1966	9	115
		BU-076-1(2) UNIT 4	1966	9	118

SIGNAL CORPS AREA
FT. SHAFTER

ROADWAY RELOCATION
See Sht. 10

New R/W and Control of Access Line

KING STREET

STRUCTURE "E"

Relocate Exist. Precast Curb

EAST BOUND

WEST BOUND

Freeway

RAMP "M-1"

NOTE:
See shts. 1 of 9 and 2 of 9 for (KING ST., FREEWAY and RAMP "M-1" Curve Data.

HAWAIIAN ORDNANCE DEPOT
FT. SHAFTER

TRUE NORTH
Scale: 1"=80'

RAMP "M-2"

24" Conc. Pipe

Rt. Edge

"M-2" Station Line

CB #80
Inv.=27.63

SDM #37
Inv.=20.40

"M-3" Station Line

CB #81
Inv. 20.00

24" Conc. Pipe

Sta. 13+30

Middle St. P.C. Sta. 16+52.83

MIDDLE ST.

2-35° 52' 40"

1.5

Lt. Edge

Rt. Edge

40'

R/W

2-35° 52' 40"

Varies

STRUCTURE "A"

Freeway ℄ P.C. Sta. 7+02.41

Middle St. P.T. Sta. 12+32.30

Make Smooth Transition To Existing Pavement, Sidewalk, Curb & Gutter

R/W Boundary

Relocate Exist. Precast Curb

Lt. Edge

228° 04' 20"

Rt. Edge

20'

Station Line

18'

MIDDLE ST.

R/W Boundary

M.L. Middle St. Sta. 14+00

"M-2" P.T. Sta. 22+25.44

No. BU-065-1(1) UNIT 3

LIMIT OF PROJECT

No. BU-076-1(2) UNIT 4

STRUCTURE "C-D"

STRUCTURE "B"

Relocate Exist. Precast Curb

Sta. 13+75

New R/W Boundary

Sta. 22+50

LIMIT OF PROJECT
No. BU-076-1(2) Sta. 22+75

Note:
Refer To Detail Road Plans and Other Profile Sheets.

F.R/W

"M-3" P.T. Sta. 11+60.87

"M-2" P.T. Sta. 17+25.50

24"

Relocate Exist. Precast Curb

CURVE DATA

(2c) "M-2" ℄ Curve Data
- Δ = 72° 34' 00"
- R = 450.00
- T = 330.36
- L = 569.94

(3B) "M-3" ℄ Curve Data
- Δ = 90° 52' 20"
- R = 550.00
- T = 558.44
- L = 872.31

(M2) Middle St. ℄ Curve Data
- Δ = 7° 48' 20"
- R = 2000.00
- T = 136.44
- L = 272.47

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Civil and Structural Engineers

PLAN: DRAWN, PLOTTED, NOTE BOOK, ALIGNMENT CHECKED, CURVES, R/W, B.M.s NOTED, NO. ___, RT. OF WAY CHECKED, STRUCTURE NOMENCLATURE CHKD., BY, DATE

PROFILE: SURVEYED, PLOTTED, CURVES CHECKED, B.M.s NOTED, NO. ___, BY, DATE

Middle St. Sta. 17+46.89
King St. Sta. 14+47.11
B.V.C. Sta. 17+25.00
53.36
53.50
C.G. Sta. 18+50.00
58.00
E.V.C. Sta. 19+50.00
57.33
Middle St. Sta. 20+11.60
M-1 Sta. 21+54.13
B.V.C. Sta. 20+40.00
56.02
56.13
56.67
56.58
54.95
56.68
56.78
54.87
57.14
57.51
57.97
200' V.C.
E.V.C. Sta. 22+40.00
58.20
C.G. Sta. 21+40.00
56.06
Sta. 22+50.00
Sta. 22+75.00
LIMIT OF PROJECT
54.54
55.43
56.15
56.71
57.11
57.34
57.48
-0.670%
+2.230%
+4.600%
Lt. Edge
Rt. Edge
Rt. and Lt. Edge
Station Line
Profile of Existing Ground
SDMH #4 Inv.=25.00
Inv. 24" Conc. Pipe 0.50%
Inv.=43.5
CB #13
Make Smooth Transition to Existing Grade.

MIDDLE STREET PROFILE

MIDDLE STREET INTERCHANGE

PLATE 1—PLAN-PROFILE C.P.S.A.B.E. STANDARD
KEUFFEL & ESSER CO. NEW YORK

H.A.B. Co. No. 045-1C

DD_T-X

SHEET No. 5 OF 9 SHEETS

S174.9

S161.9 12

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	H.W.	US-S-0720(3) UNIT 3	1960	7	79
		BU-0TE-1(6) UNIT 4	1960	10	118

FINAL SURVEY — SURVEYED / PLOTTED / TEMPLATE / AREAS / AREAS CHECKED — NOTE BOOK — NO. — DATE — BY

ORIGINAL SURVEY — SURVEYED / PLOTTED / TEMPLATE / AREAS / AREAS CHECKED — NOTE BOOK — NO. — DATE — BY

RAMP "M-1" PROFILE

BEGIN RAMP M-1 Station Line Sta. 6+82.06
Ramp "M-2" Sta. 13+73.22 Rt. Edge — 53.12
Existing Ground Profile
Join to Ramp "M-2" Station Line
Join to Ramp "M-2" Rt. Edge
BEGIN "M-1" Lt. Edge Sta. 8+17.92
Ramp "M-2" Sta. 3+83.34 Rt. Edge — 46.54
-3.612%
B.V.C. Sta. 9+50.00 — 44.45
400' V.C.
+5.700%
E.V.C. Sta. 13+50.00 — 48.81
Lt. Edge
Inv. 24" Conc. Pipe 3.30%
Inv. 24" 0.50% Conc. Pipe
C.G. Sta. 11+75.00 — 37.23
CB # 35 Inv. = 36.56
SDMH # 15 Inv. = 36.06
CB # 31 Inv. = 42.55
C.G. Sta. 14+00.00 — 51.71
B.V.C. Sta. 14+00.00
200' V.C.
SDMH # 13 Inv. = 47.14
E.V.C. Sta. 16+00.00 — 55.65
Lt. Edge
-1.000%
12' ⅝ Left
Inv. 24" 0.50% Conc. Pipe
Sta. "M-1" = Sta. "M-2" 16+72.88 Rt. Edge
CB # 29 Inv. = 46.37
Inv. 24" Conc. Pipe 0.53%
B.V.C. Sta. 17+75.00 — 54.75
200' V.C.
E.V.C. Sta. 19+75.00 — 55.25
+1.500%
Station Line
Inv. 24" Conc. Pipe 0.50%
CB # 22 Inv. = 45.63
SDMH # 8 Inv. = 45.25
CB # 16 Inv. = 44.84
C.G. Sta. 22+50.00 — 50.37
See Middle St. Intersection Ramp "M-1" Profile Detail

MIDDLE STREET INTERCHANGE

+1.500%
B.V.C. Sta. 20+50.00 — 56.37
Inv. 24" Conc. Pipe 0.50%
Inv. 36" Conc. Pipe 1.60%
Inv. 36" Conc. Pipe 1.74%
CB # 16 Inv. = 44.84
SDMH # 4 Inv. = 43.99
CB # 10 Inv. = 41.63
E.V.C. Sta. 24+50.00 — 47.37
CB # 6 Inv. = 36.66
400' V.C.
Station Line
-6.000%
Inv. 36" Conc. Pipe 6.00%
CB # 5 Inv. = 27.06
CB # 1 Inv. = 15.06
Inv. 36" Conc. Pipe 2.8%
Existing Ground Profile
Lt. Edge

RAMP "M-1" PROFILE

MIDDLE STREET INTERSECTION RAMP "M-1" PROFILE DETAIL

B.V.C. Sta. 27+75.00 — 27.67
650' V.C.
E.V.C. Sta. 34+25.00 — 13.47
Inv. 36" Conc. Pipe 0.55%
Inv. 54" Conc. Box Culvert 0.5%
Sta. 34+22.22 END OF RAMP M-1 — 14.55
Existing Pavement
+1.6%
Lt. Edge
+1.5678%
Exist. Box Culvert
CB # 4 Inv. = 8.68
SDMH # 1 Inv. = 9.06
8.37

Middle Street
56.79
"M-1" Sta. 21+34.13 = Middle St. Sta. 20+11.37
"M-1" Sta. 21+54.13 = Middle St. Sta. 20+31.50
"M-1" Sta. 21+74.14 = Middle St. Sta. 20+12.07
56.07
56.02
(Sub) C.G. "M-1" Sta. 20+50.00
Base Grade Profile at Station Line
-0.408%
+1.50%
0.13 Parabolic Crown
Lt. Edge
B.V.C. Sta. 20+50.00 — 56.37
80' V.C.
(Sub) E.V.C. Sta. 21+30.00 — 56.81
Base Grade Profile at Station Line
20+50
21+00
21+50
22+00
22+50

SHEET No. 6 OF 7 SHEETS

13

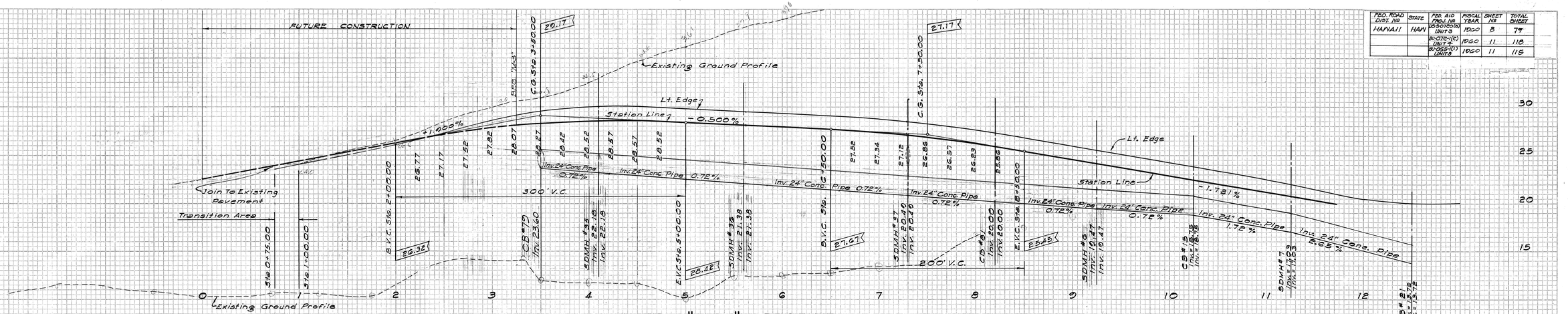
S526.7

S174.10

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO. (IF APPLICABLE)	FISCAL YEAR	SHEET NO.	TOTAL SHEET
HAWAII	HAW		1960	8	79
		IM-0108-1(6) UNIT 4	1960	11	118
		BRIDGE-(10) UNIT 3	1960	11	115

FINAL SURVEY — SURVEYED, PLOTTED, TRIANGULATE, NOTE BOOK, AREAS, NO., DATE, BY, AREAS CHECKED

ORIGINAL SURVEY — SURVEYED, PLOTTED, TRIANGULATE, NOTE BOOK, AREAS, NO., DATE, BY, AREAS CHECKED

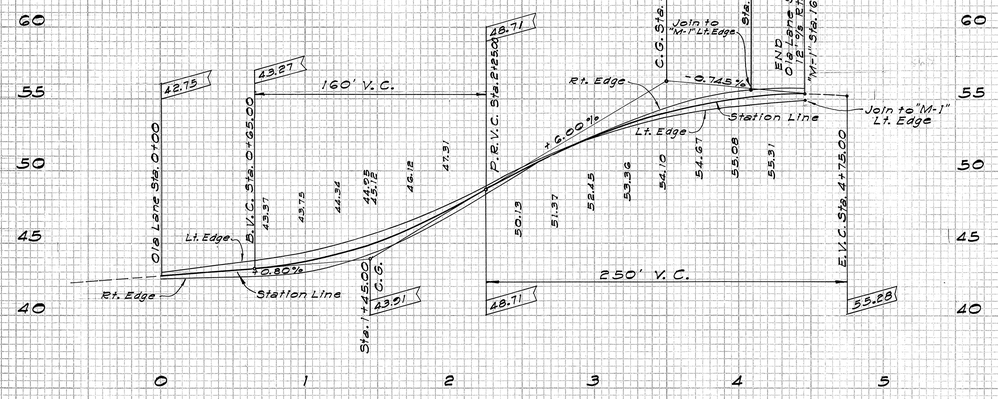


SHEET No. 8 OF 79 SHEETS

S526.5 S174.11 S161.11 15A

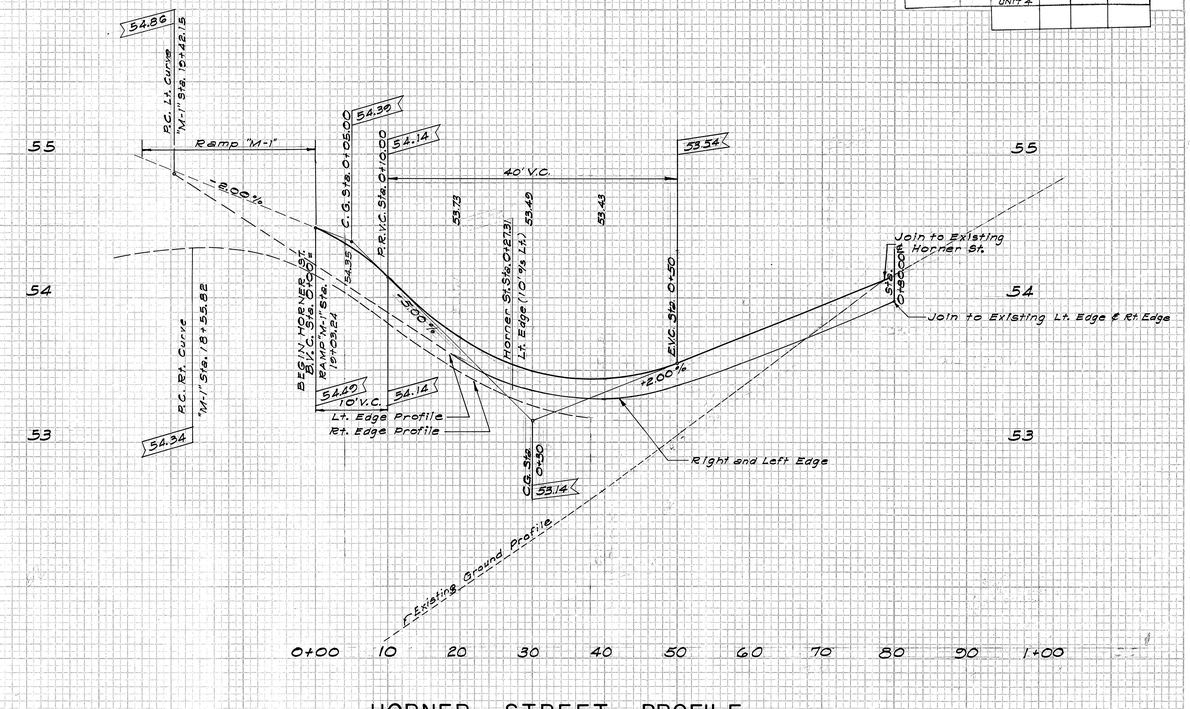
FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	NUSTP-1(20) Unit 2	1960	12	118

FINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, AREAS, AREAS CHECKED — NOTE BOOK — NO. — BY — DATE



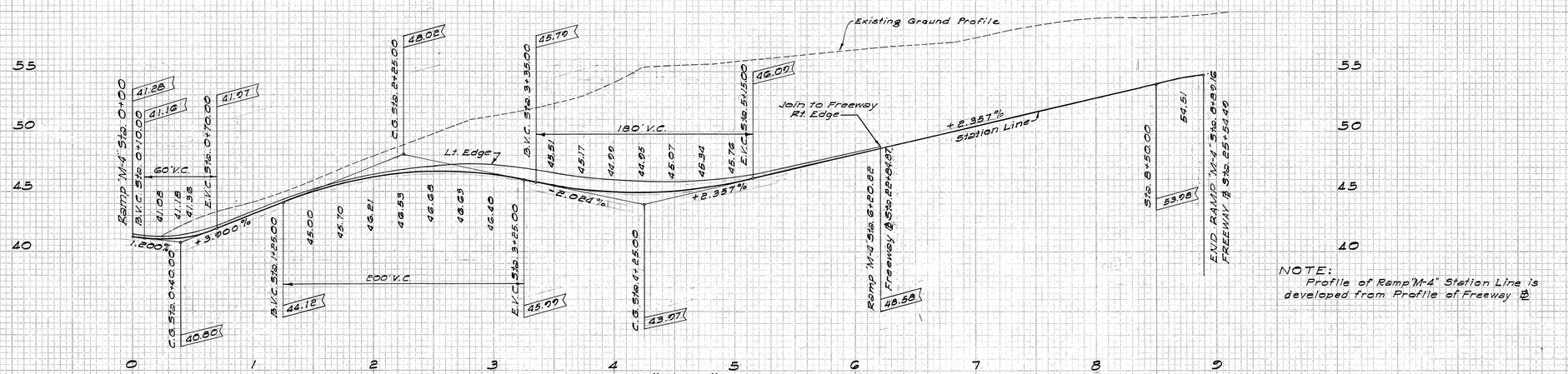
OLA LANE PROFILE

MIDDLE STREET INTERCHANGE



HORNER STREET PROFILE

MIDDLE STREET INTERCHANGE



NOTE:
Profile of Ramp "M-4" Station Line is developed from Profile of Freeway ℄

RAMP "M-4" PROFILE

MIDDLE STREET INTERCHANGE

PLATE 3. CROSS SECTION U. P. R. & R. C. STANDARD
KEUFFEL & ESSER CO., NEW YORK.
K & E Co., No. 346-20

SHEET No. 7 OF 7 SHEETS

S 17 4.12

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