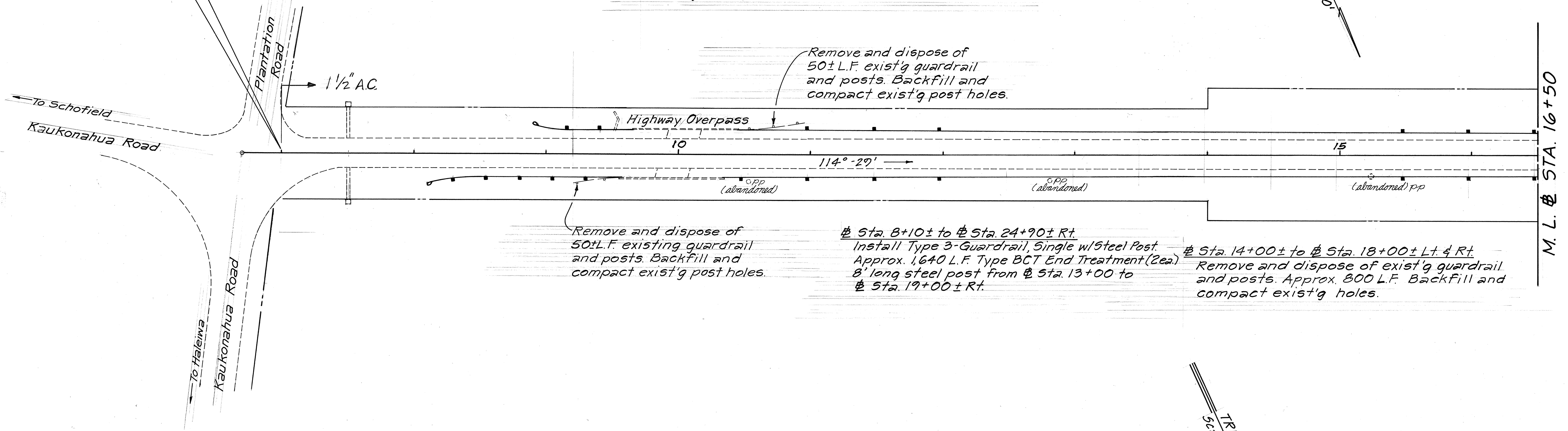


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	RS-0930(5)	1987	7	39

BEGIN PROJECT
STA. 7+00±
M.P. 6.67±

Sta. 8+90± to Sta. 25+50± Lt. & Rt.
Install Type 3-Guardrail, Single w/Steel Post.
Approx. 1,630 L.F. Type BCT End Treatment (2ea.)
8' long steel post from Sta. 13+00± to Sta. 19+00± Lt.

TRUE NORTH
Scale: 1"=40'

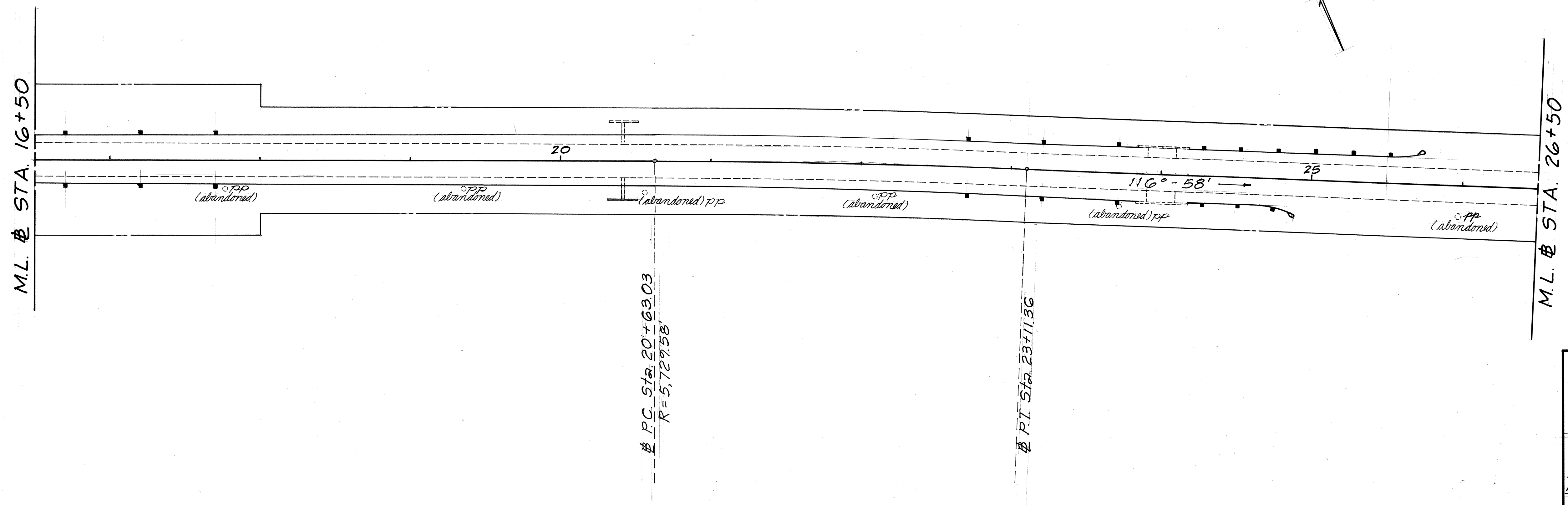


Remove and dispose of 50± L.F. existing guardrail and posts. Backfill and compact exist'g post holes.

Sta. 8+10± to Sta. 24+90± Rt.
Install Type 3-Guardrail, Single w/Steel Post.
Approx. 1,640 L.F. Type BCT End Treatment (2ea.)
8' long steel post from Sta. 13+00 to Sta. 19+00± Rt.

Sta. 14+00± to Sta. 18+00± Lt. & Rt.
Remove and dispose of exist'g guardrail and posts. Approx. 800 L.F. Backfill and compact exist'g holes.

TRUE NORTH
Scale: 1"=40'



ORIGINAL PLAN	DATE
DESIGNED BY	
TRACED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	
No.	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

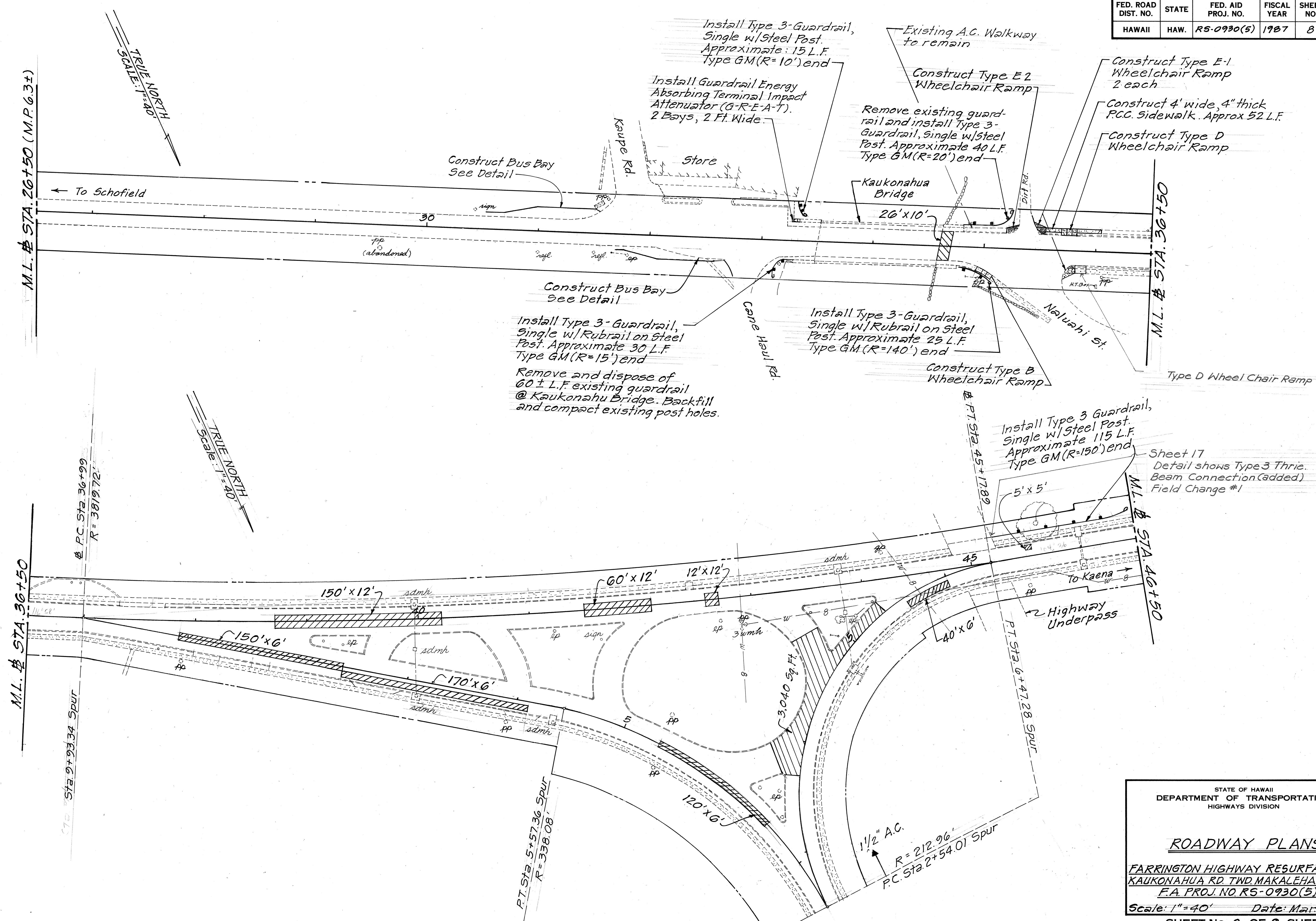
ROADWAY PLANS

FARRINGTON HIGHWAY RESURFACING
KAUKONAHUA RD. TWD. MAKALEHA BRIDGE
F.A. PROJ. NO. RS-0930(5)

Scale: 1"=40' Date: Mar., 1987

SHEET No. 1 OF 9 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	RS-0930(5)	1987	8	37



ORIGINAL PLAN	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

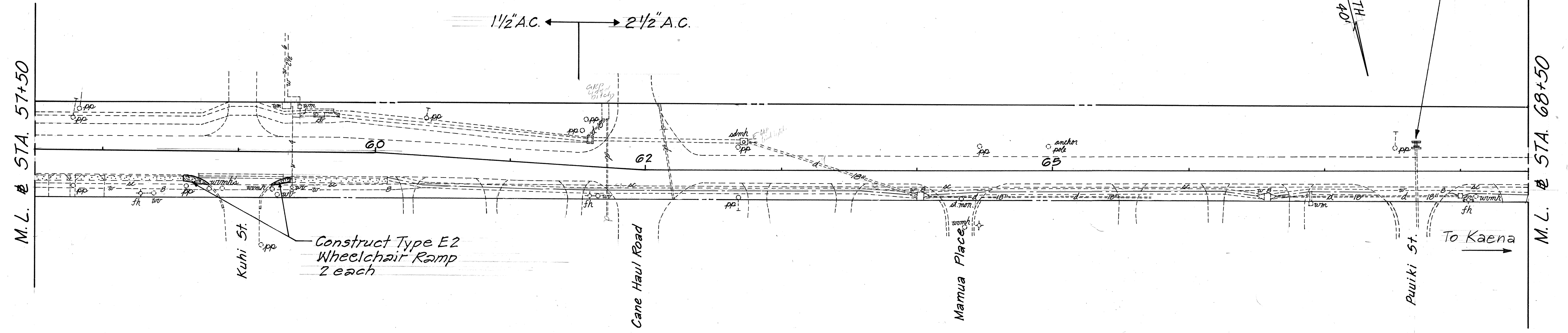
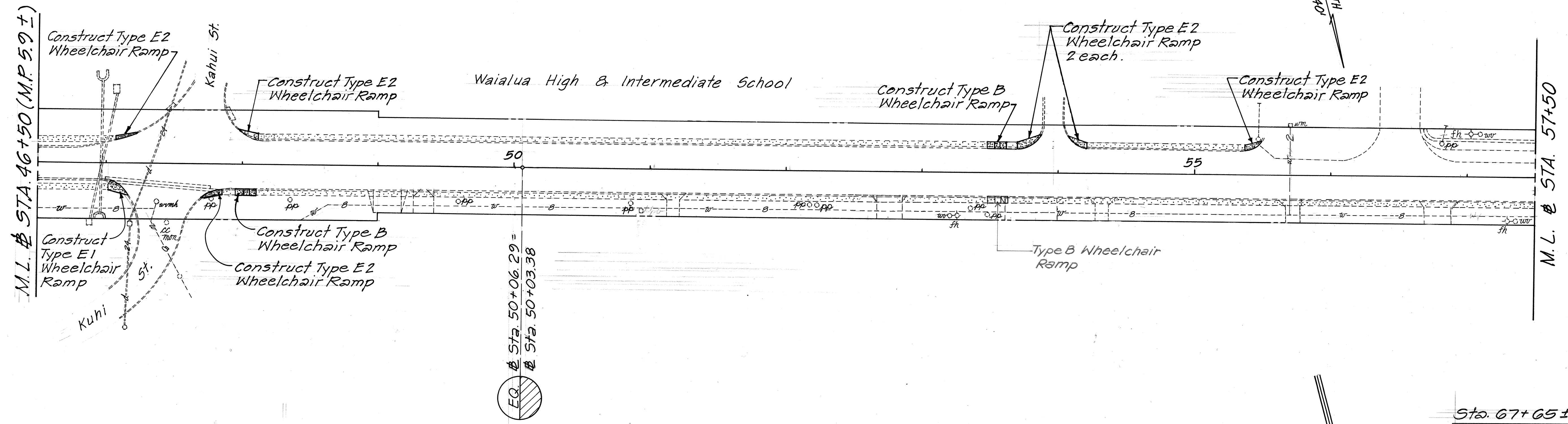
ROADWAY PLANS

FARRINGTON HIGHWAY RESURFACING
KAUKONAHUA RD. TWD. MAKALEHA BRIDGE
F.A. PROJ. NO. RS-0930(5)

Scale: 1"=40' Date: Mar., 1987

SHEET No. 2 OF 9 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	RS-0930(5)	1987	9	39



ORIGINAL PLAN	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

FARRINGTON HIGHWAY RESURFACING
KAUKONAHUA RD. TWO MAKALEHA BRIDGE
F.A. PROJ. NO. RS-0930(5)
Scale: 1"=40' Date: Mar. 1987

SHEET No. 3 OF 9 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	RS-0930(5)	1987	10	39

TRUE NORTH
Scale: 1"=40'

M.L. # STA. 68+50 (M.P. 5.5±)

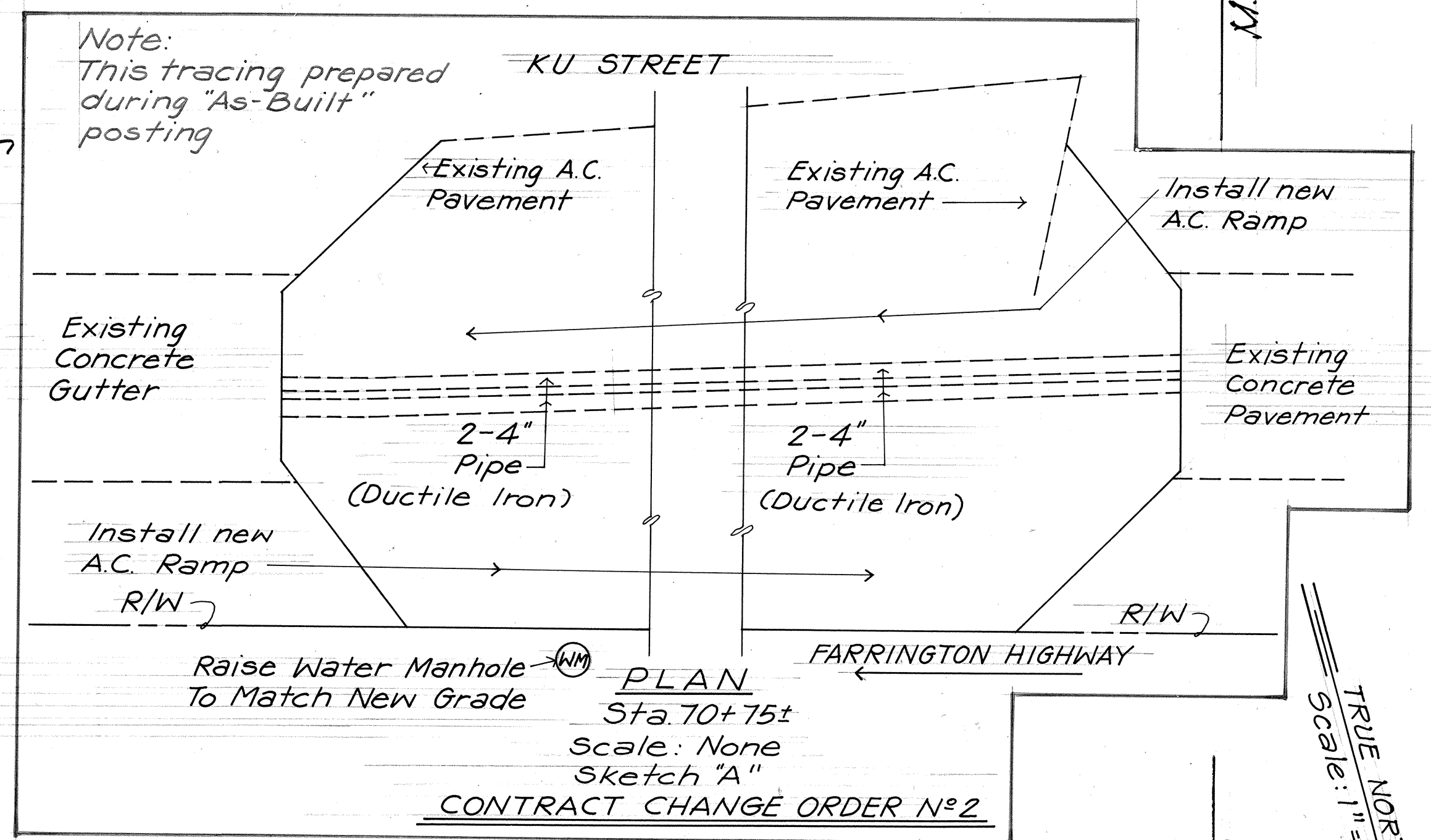
← To Schofield

CCO #2
Asphalt Concrete Ramp
Over 2-4" Drain Pipes
(See Detail)

Ku Place

Sta. 72+10 Rt.
Construct Double Grate
Concrete Ramp Inlets on
both sides of driveway.
For details see sht. 3H.

Sta. 74+05 Rt.
Construct Single Grate
Concrete Ramp Inlets on
both sides of driveway.
For details see sht. 3H.



M.L. # STA. 80+00

EQ # Sta. 83+00 =
Sta. 40+00

Sta. 82+80 Rt. to Sta. 43+80 Rt.
Flatten Side Slopes
For details see sht. 1H.

Sta. 43+80 Rt.
Extend Exist. 24" RCP 12'
Construct Std. Concrete
Headwall. For details
see sht. 2H.

Cane Haul Road

CCO #2
Ponding of Rain Water
Stabilized along new 4
feet shoulder

M.L. # STA. 48+50

TRUE NORTH
Scale: 1"=40'

ORIGINAL	SURVEY PLOTTED BY	DATE
PLAN	DESIGNED BY	
NOTE BOOK	QUANTITIES BY	
	CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

FARRINGTON HIGHWAY RESURFACING
KAUKONAHUA RD TWP MAKALEHA BRIDGE
F.A. PROJ. NO. RS-0930(5)
Scale: 1"=40' Date: Mar., 1987
SHEET No. 4 OF 9 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	RS-0930(5)	1987	11	39

M.L. # STA. 48+50 (M.P. 5.1±)

← To Schofield

TRUE NORTH
Scale: 1" = 40'

M.L. # STA. 60+00

Sta. 56+00 Rt. to Sta. 60+00 Rt.
Flatten Side Slope
For Detail See Sheet 1H

M.L. # STA. 60+00

TRUE NORTH
Scale: 1" = 40'

M.L. # STA. 71+50

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

7-7-87	Added Flatten Side Slope Note
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

FARRINGTON HIGHWAY RESURFACING
KAUKONAHUA RD. TWO MAKALEHA BRIDGE
F.A. PROJ. NO. RS-0930(5)

Scale: 1" = 40' Date: Mar., 1987

SHEET No. 5 OF 9 SHEETS

ADD. 11

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	RS-0930(5)	1987	12	37

TRUE NORTH
Scale: 1" = 40'

M.L. & STA. 83+00

Sta. 74+00 ± to Sta. 77+00 ± Lt.
Install Type 3-Guardrail, Single
w/Steel Post (including 50 L.F.
rubrail @ power pole). Approx. 250 L.F.
Type BCT end treatment (2 ea.)

Sta. 74+85 ± Lt. & Rt.
Extend Concrete Culvert.
Install Type 3-Guardrail,
Three Beam w/Steel Post.
See Detail.

Sta. 72+40 ± to Sta. 75+00 ± Rt.
Install Type 3-Guardrail, Single
w/Steel Post (including 50 L.F.
rubrail @ power pole). Approx. 235 L.F.
Type BCT approach end treatment.
Type GM (R=20' ±) trailing end.

Sta. 73+00 Lt. to Sta. 78+00 Lt.
Flatten Side Slope
For Detail See Sheet 1H

TRUE NORTH
Scale: 1" = 40'

M.L. & STA. 94+50

To Kaena

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

M.L. & STA. 71+50 (M.P. 4.7 ±)

M.L. & STA. 83+00

7-7-87	Added Flatten Side Slope Note
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS
FARRINGTON HIGHWAY RESURFACING
KAUKONAHUA RD. TWO MAKALEHA BRIDGE
F.A. PROJ. NO. RS-0930(5)
Scale: 1" = 40' Date: Mar, 1987
SHEET NO. 6 OF 9 SHEETS

ADD. 12

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	RS-0930(5)	1987	13	39

TRUE NORTH
Scale: 1" = 40'

M.L. & STA. 106+00

To Schofield

M.L. & STA. 94+50 (M.P. 4.2±)

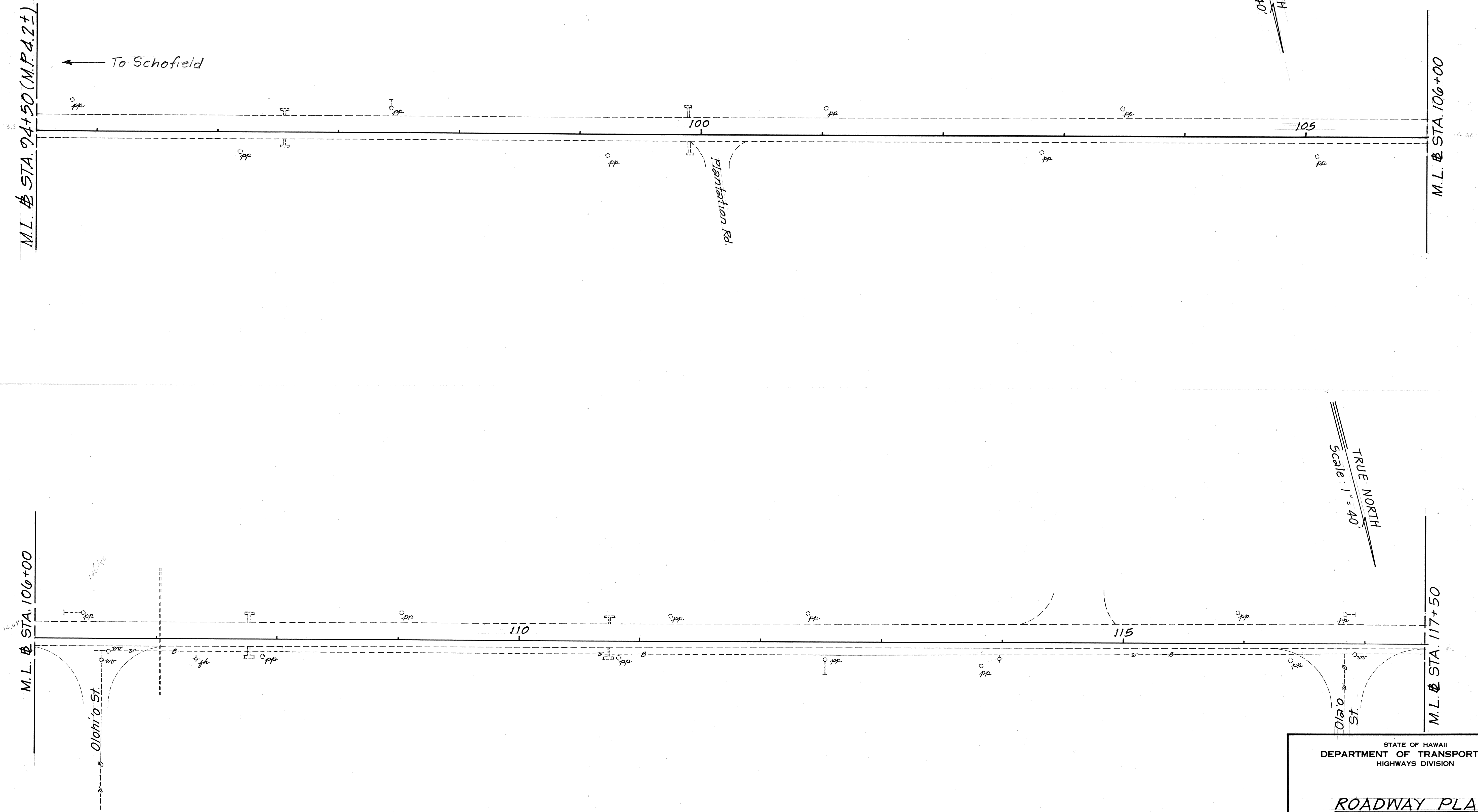
TRUE NORTH
Scale: 1" = 40'

M.L. & STA. 117+50

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS
FARRINGTON HIGHWAY RESURFACING
KAUKONAHUA RD. TWD. MAKALEHA BRIDGE
F.A. PROJ. NO. RS-0930(5)
Scale: 1" = 40' Date: Mar., 1987
SHEET No. 7 OF 9 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	RS-0930(5)	1987	14	39

M.L. ± STA. 117+50 (M.P. 38±)

← To Schofield

TRUE NORTH
Scale: 1"=40'

M.L. ± STA. 129+00

TRUE NORTH
Scale: 1"=40'

M.L. ± STA. 140+50

M.L. ± STA. 129+00

130

135

140

Kaiahulu Rd.

Dirt Rd.

ROADWAY PLANS

FARRINGTON HIGHWAY RESURFACING
KAUKONAHUA RD. TWD MAKALEHA BRIDGE
F.A. PROJ. NO. RS-0930(5)

Scale: 1"=40' Date: Mar., 1987

SHEET No. 8 OF 9 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	RS-0930(5)	1987	15	39

M.L. # STA. 140+50 (M.P. 3.3 ±)

To Schofield

145

Makuleia Homestead Rd.
(Private Rd.)

TRUE NORTH
SCALE: 1"=40'

M.L. # STA. 226+00

EQ
STA 147+80 =
STA 222+00

2 1/2" A.C.

END PROJECT
STA. 223+00 ±
M.P. 3.2 ±

TRUE NORTH
SCALE: 1"=40'

M.L. # STA. 226+00

MAKALEHA
BRIDGE

To Kaena

7-7-87 Added 2 1/2" A.C. Note
DATE REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

FARRINGTON HIGHWAY RESURFACING
KAUKONAHUA RD. TWD. MAKALEHA BRIDGE
F.A. PROJ. NO. RS-0930(5)

Scale: 1"=40' Date: Mar., 1987

SHEET No. 9 OF 9 SHEETS

ADD. 15

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	