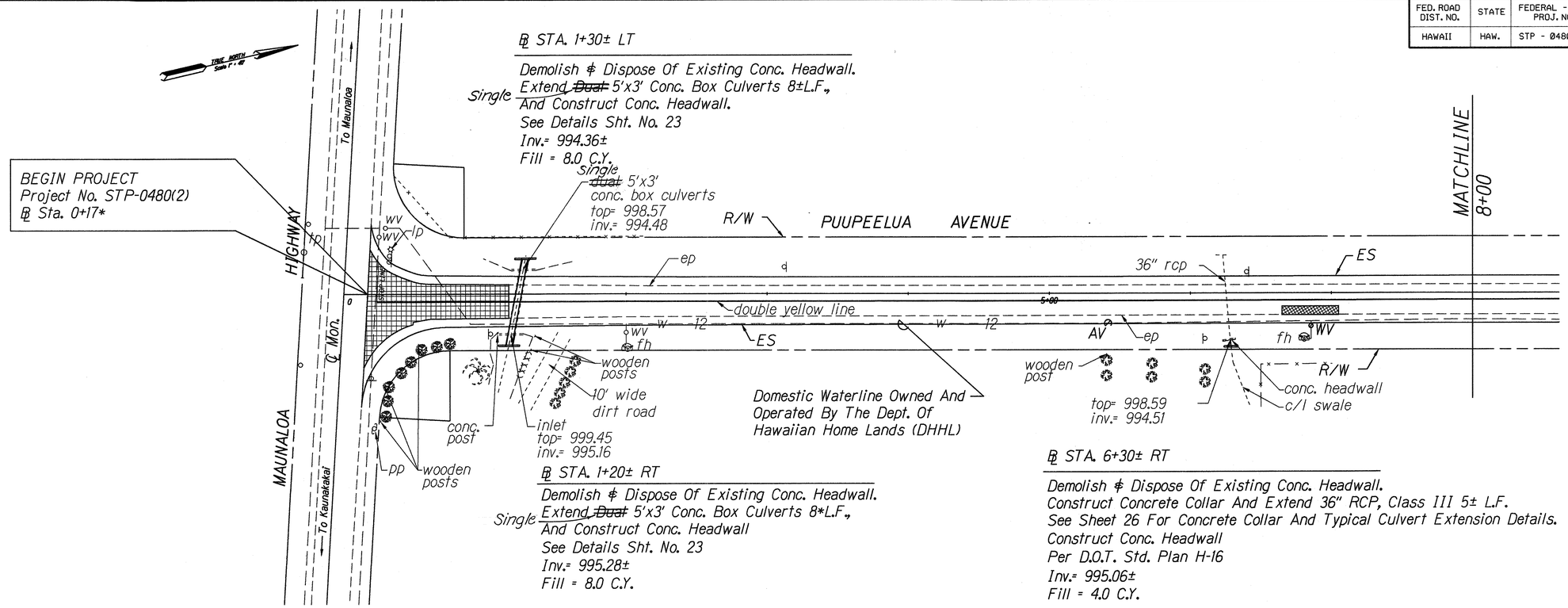
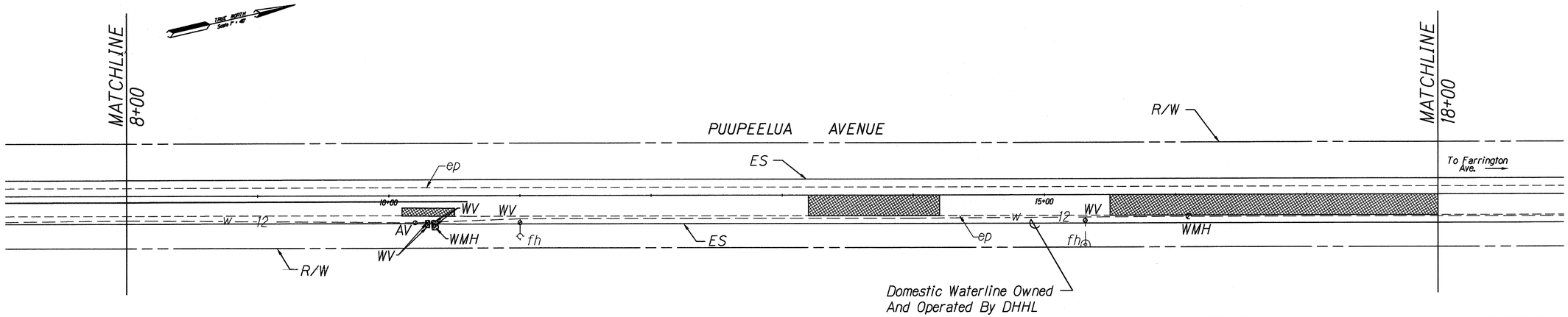
FED. ROAD DIST. NO.	STATE	FEDERAL - AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP - 0480(2)	1998	11	43





℄ STA. 10+30± RT

Remove & Dispose Of Existing Water Manhole Frame
& Cover And Valve Boxes, Install Manhole Frame
& Cover And Valve Boxes To Match Finish Grade
See Details Sht. 5
1-WMH
4-WV

NOTE:
ELEVATIONS SHOWN ON THIS SHEET WERE REFERENCED
FROM ℄ MONUMENT MAUNALOA HIGHWAY -
PUUPEELUA AVENUE INTERSECTION
ELEVATION= 1000.00 (ASSUMED)

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

P:\P0097\MK-PUUPE.DWG
JN: P1P0097
PLOT: H 3/19/98

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

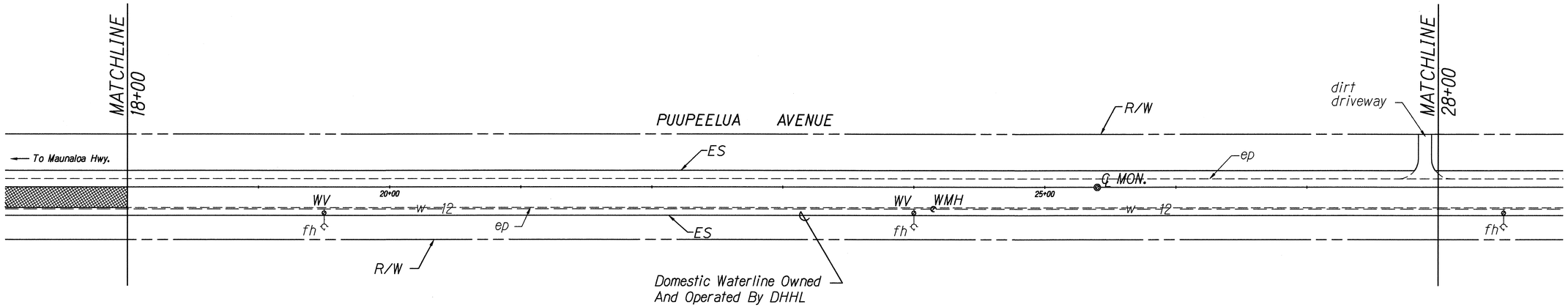
PUUPEELUA AVENUE RESURFACING
Maunaloa Highway to Farrington Avenue
And
FARRINGTON AVENUE RESURFACING
Puupeelua Avenue to Kalae Highway
Federal - Aid Project No. STP - 0480(2)

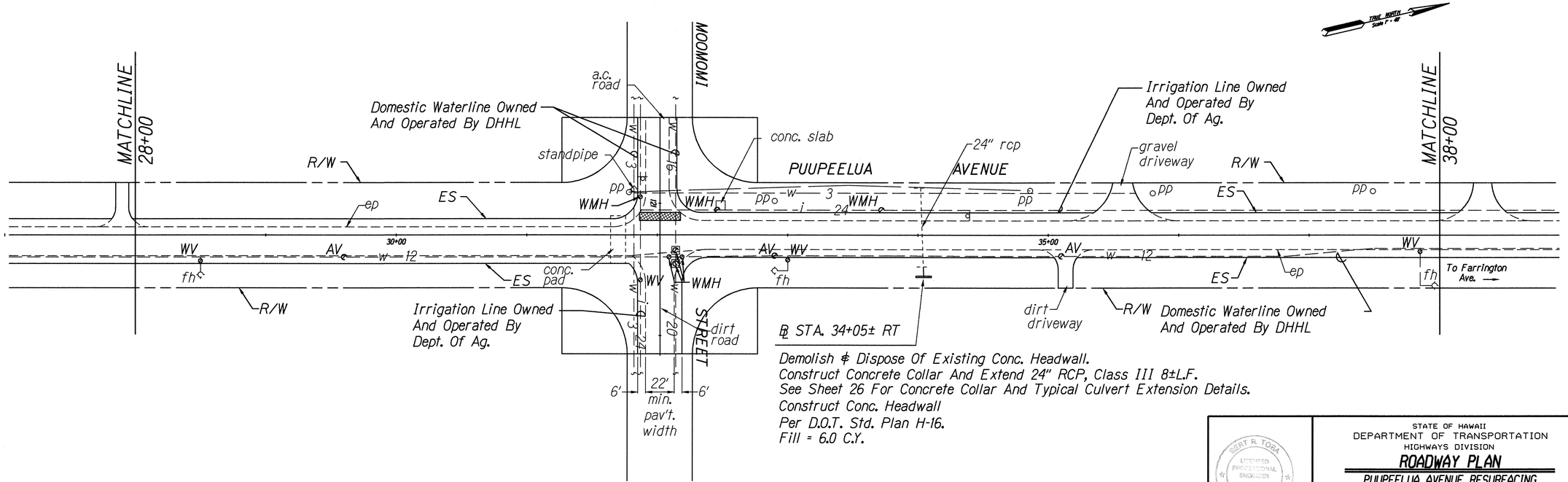
Scale: 1"=40' Date: March 1998

SHEET No. 1 OF 11 SHEETS

"AS-BUILT"

FED. ROAD DIST. NO.	STATE	FEDERAL - AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP - 0480(2)	1998	12	43





Demolish & Dispose Of Existing Conc. Headwall.
Construct Concrete Collar And Extend 24" RCP, Class III 8±L.F.
See Sheet 26 For Concrete Collar And Typical Culvert Extension Details.
Construct Conc. Headwall
Per D.O.T. Std. Plan H-16.
Fill = 6.0 C.Y.

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

BERT R. TORA LICENSED PROFESSIONAL ENGINEER No. 4880-C HAWAII, U.S.A.

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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

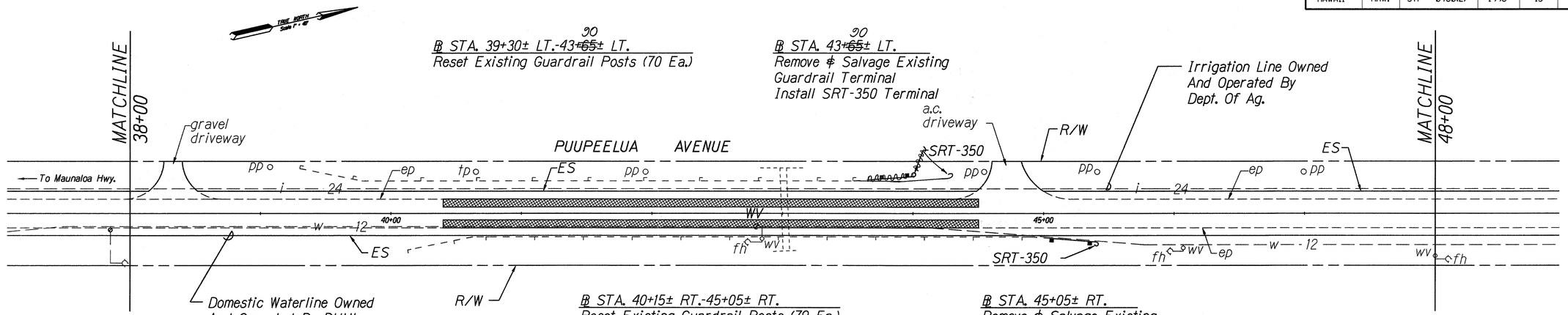
PUUPEELUA AVENUE RESURFACING
Maunaloa Highway to Farrington Avenue
And
FARRINGTON AVENUE RESURFACING
Puupeelua Avenue to Kolae Highway
Federal - Aid Project No. STP - 0480(2)

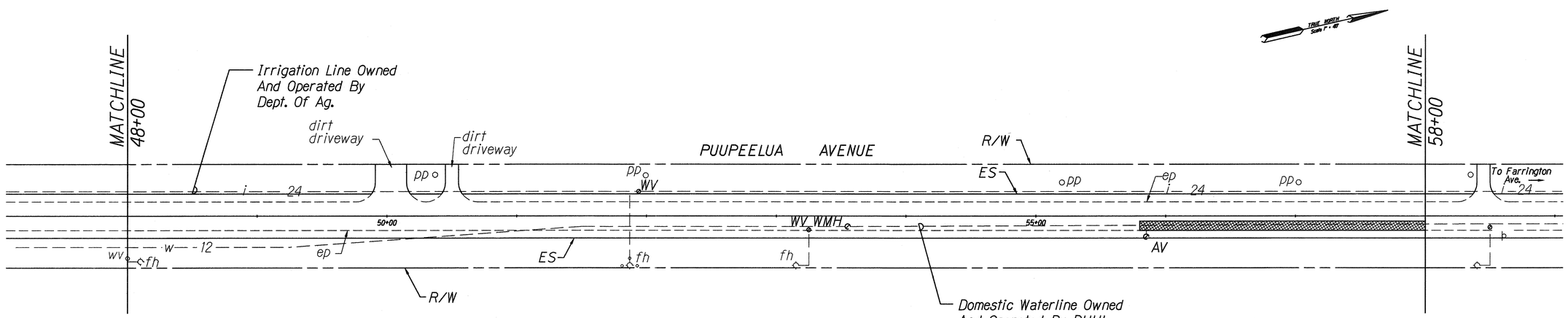
Scale: 1"=40' Date: March 1998

SHEET No. 2 OF 11 SHEETS

P:\P0097 UM-PUUPEELUA
JN: P0097
PLOT: H1 3/19/98

FED. ROAD DIST. NO.	STATE	FEDERAL - AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP - 0480(2)	1998	13	43





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

PROGRAM: PUUPELIMS
W:\PROJECTS\PUUPELIMS
PLOT: 14 - 3/13/98

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

PUUPEELUA AVENUE RESURFACING
Maunaloa Highway to Farrington Avenue
And
FARRINGTON AVENUE RESURFACING
Puupeelua Avenue to Kalae Highway
Federal - Aid Project No. STP - 0480(2)

BERT R. YOSHI
LICENSED PROFESSIONAL ENGINEER
No. 4866-C
HAWAII, U.S.A.

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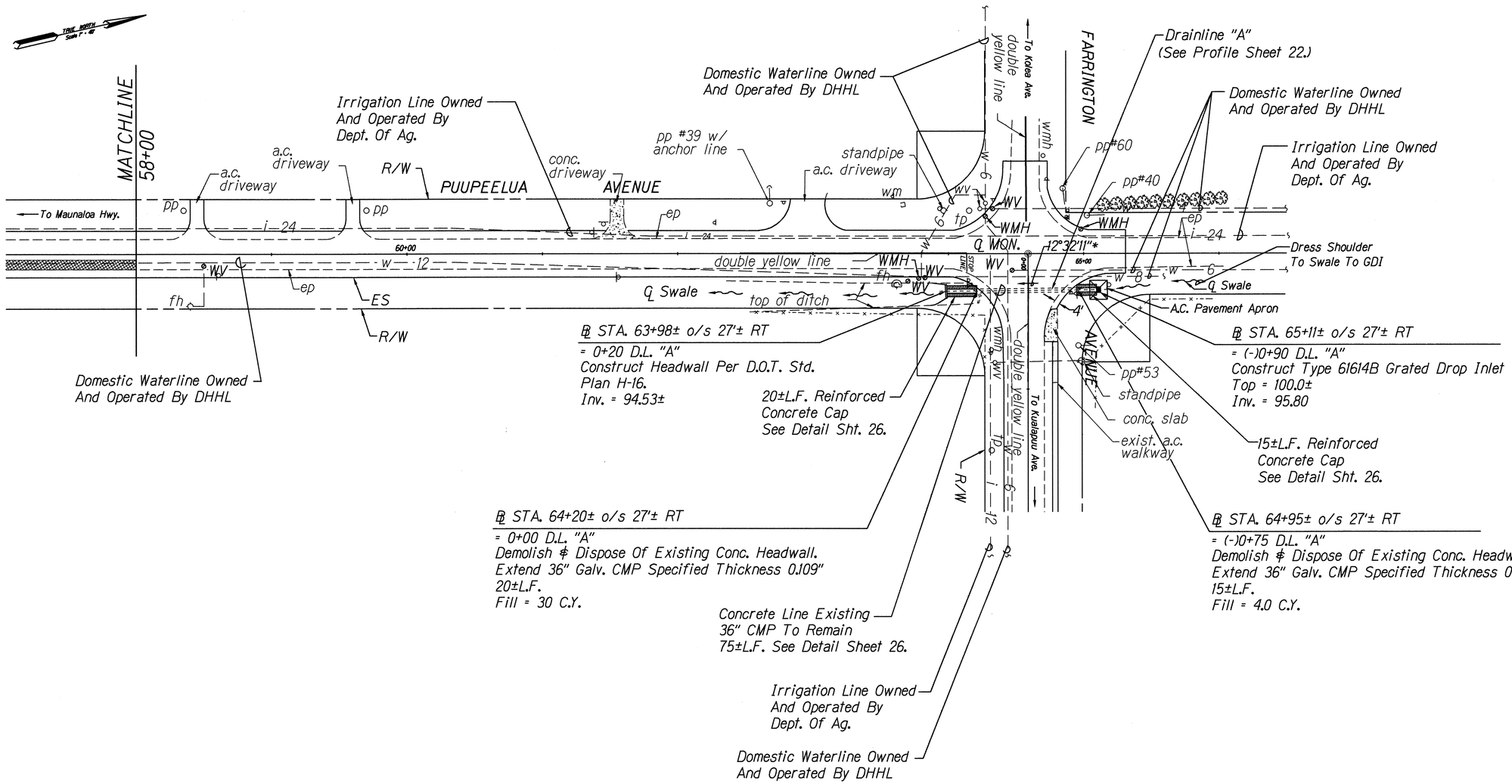
Scale: 1"=40' Date: March 1998

SHEET No. 3 OF 11 SHEETS

"AS-BUILT"

FED. ROAD DIST. NO.	STATE	FEDERAL - AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP - 0480(2)	1998	14	43



NOTE:
ELEVATIONS SHOWN ON THIS SHEET WERE REFERENCED FROM ST. MONUMENT PUUPEELUA AVENUE-FARRINGTON AVENUE ELEVATION=99.57 (ASSUMED)

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

PROJECT LINK-PUUPEELUAVE
JN: PFH0200
PLOT: H1 3/19/98

GERY R. TOBA
LICENSED PROFESSIONAL ENGINEER
No. 4358-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

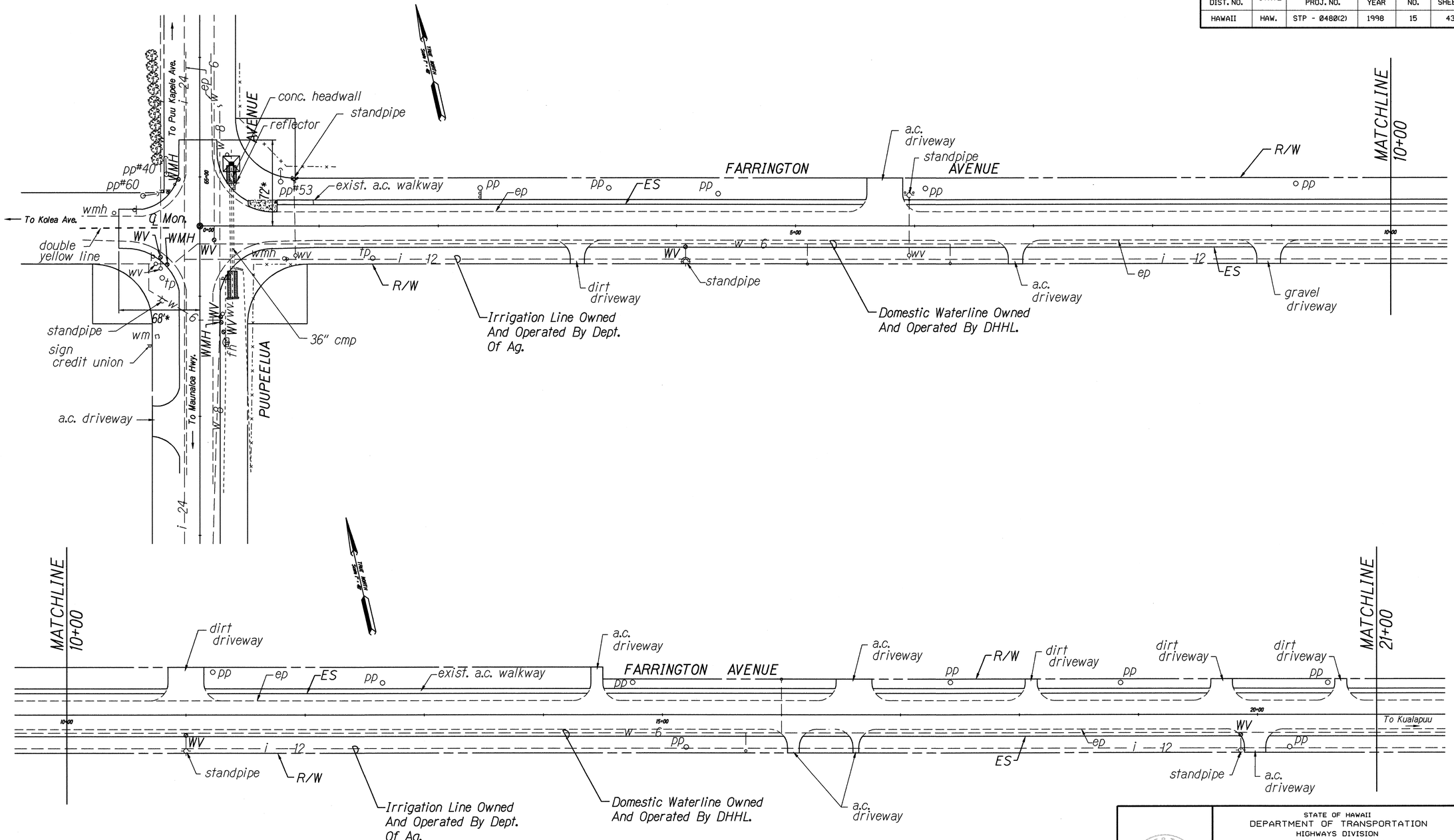
ROADWAY PLAN

PUUPEELUA AVENUE RESURFACING
Maunaloa Highway to Farrington Avenue
And
FARRINGTON AVENUE RESURFACING
Puupeelua Avenue to Kolea Highway
Federal - Aid Project No. STP - 0480(2)

Scale: 1"=40' Date: March 1998

SHEET No. 4 OF 11 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL - AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP - 0480(2)	1998	15	43



NOTE:
ELEVATIONS SHOWN ON THIS SHEET WERE REFERENCED FROM ST. MONUMENT PUUPEELUA AVENUE - FARRINGTON AVENUE
ELEVATION = 99.57 (ASSUMED)

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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

PUUPEELUA AVENUE RESURFACING
Maunaloa Highway to Farrington Avenue
And
FARRINGTON AVENUE RESURFACING
Puupeelua Avenue to Kolae Highway
Federal - Aid Project No. STP - 0480(2)

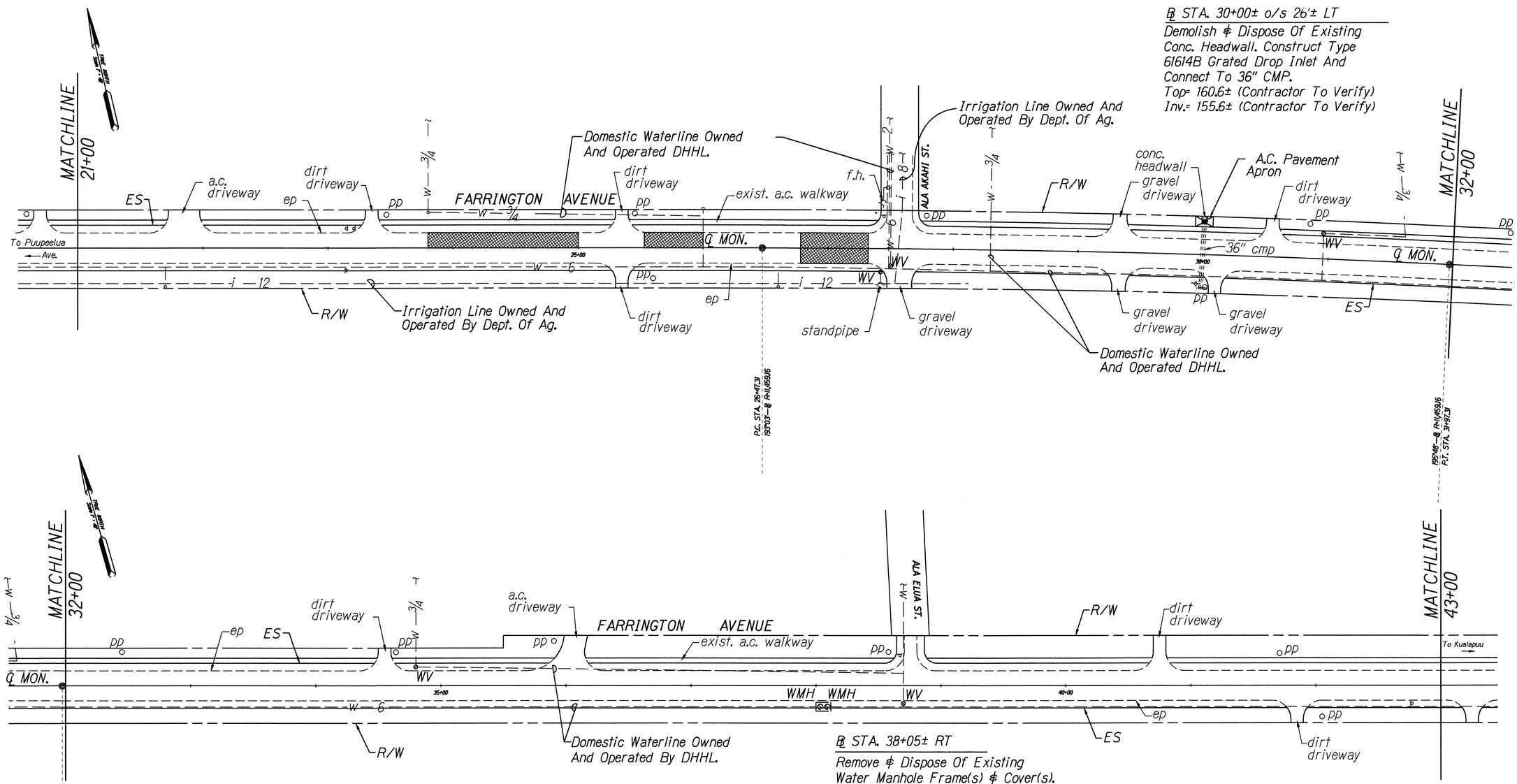
Scale: 1" = 40' Date: March 1998

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

SHEET No. 5 OF 11 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL - AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP - 0480(2)	1998	16	43

℄ STA. 30+00± o/s 26'± LT
Demolish & Dispose Of Existing Conc. Headwall. Construct Type 61614B Grated Drop Inlet And Connect To 36" CMP.
Top= 160.6± (Contractor To Verify)
Inv.= 155.6± (Contractor To Verify)



℄ STA. 38+05± RT
Remove & Dispose Of Existing Water Manhole Frame(s) & Cover(s). Install Manhole Frame(s) & Cover(s) To Match Finish Grade.
See Detail Sheet 5.
2 - WMH

NOTE:
ELEVATIONS SHOWN ON THIS SHEET WERE REFERENCED FROM ST. MONUMENT PUUPEELUA AVENUE - FARRINGTON AVENUE
ELEVATION = 99.57 (ASSUMED)

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

BERT R. TOBA
LICENSED PROFESSIONAL ENGINEER
No. 4559-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

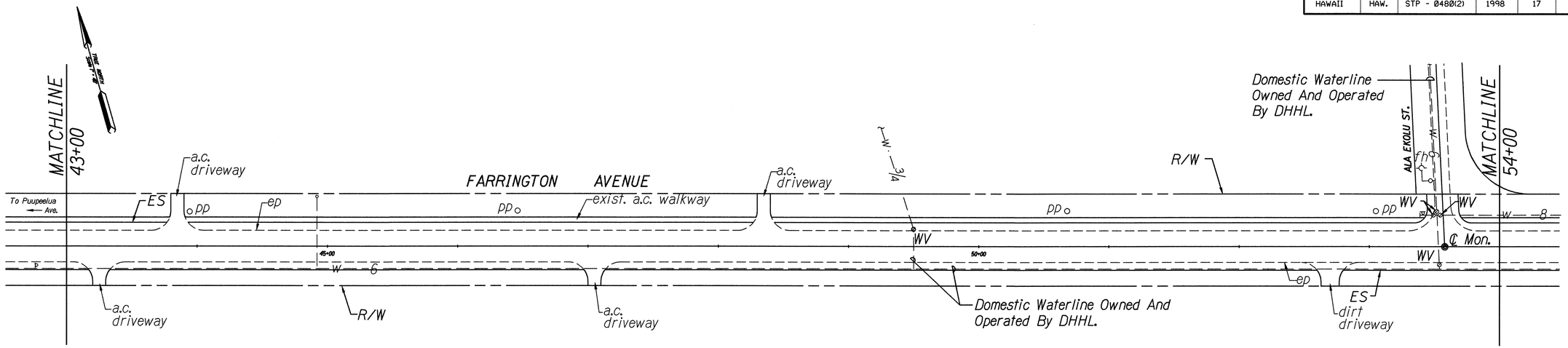
ROADWAY PLAN

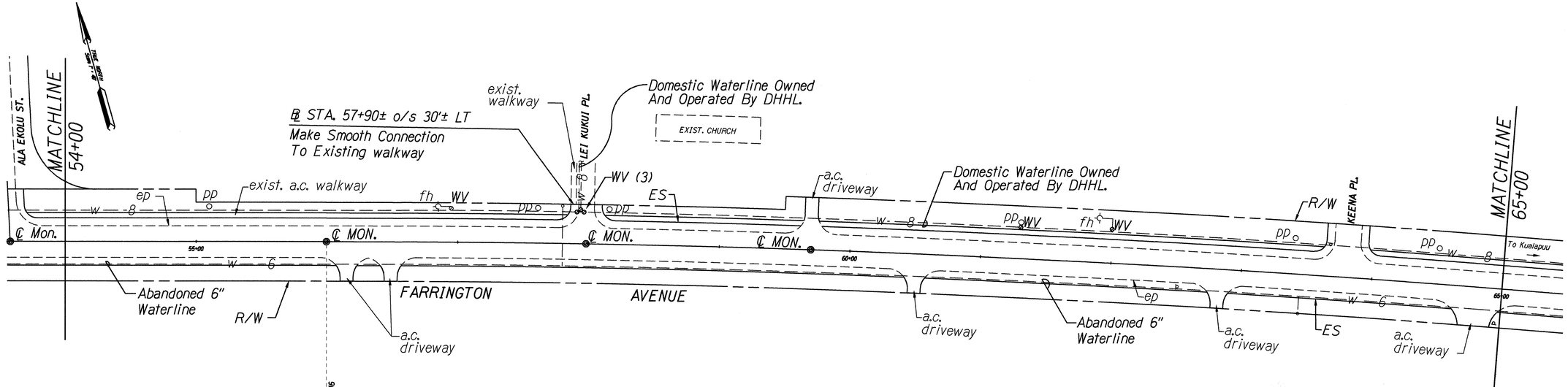
PUUPEELUA AVENUE RESURFACING
Maunaloa Highway to Farrington Avenue
And
FARRINGTON AVENUE RESURFACING
Puupeelua Avenue to Kolae Highway
Federal - Aid Project No. STP - 0480(2)

Scale: 1" = 40' Date: March 1998

SHEET No. 6 OF 11 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL - AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP - 0480(2)	1998	17	43





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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

PUUPEELUA AVENUE RESURFACING
Mauna Loa Highway to Farrington Avenue
And
FARRINGTON AVENUE RESURFACING
Puupeelua Avenue to Kolae Highway
Federal - Aid Project No. STP - 0480(2)

Scale: 1" = 40' Date: March 1998

SHEET No. 7 OF 11 SHEETS

GERT R. TOBA LICENSED PROFESSIONAL ENGINEER No. 4568-C HAWAII, U.S.A.

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WP097.HWK-FARRLDWG
JN: WP097
PLOT: H 12/1/97

FED. ROAD DIST. NO.	STATE	FEDERAL - AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP - 0480(2)	1998	18	43

MOLOKAI HIGH SCHOOL

℄ STA. 66+75± LT

Remove & Dispose Of Existing Manhole Frame(s) & Cover(s). Install Manhole Frame(s) & Cover(s) To Match Finish Grade. See Detail Sheet 5.
2 - WMH

℄ STA. 71+15± LT

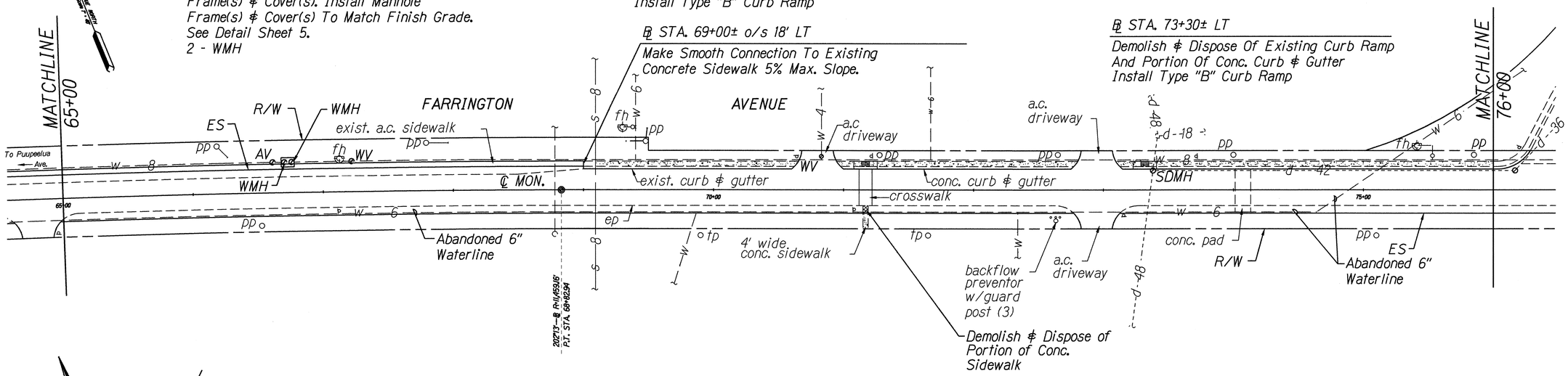
Demolish & Dispose Of Existing Curb Ramp And Portion Of Conc. Curb & Gutter Install Type "B" Curb Ramp

℄ STA. 69+00± o/s 18' LT

Make Smooth Connection To Existing Concrete Sidewalk 5% Max. Slope.

℄ STA. 73+30± LT

Demolish & Dispose Of Existing Curb Ramp And Portion Of Conc. Curb & Gutter Install Type "B" Curb Ramp

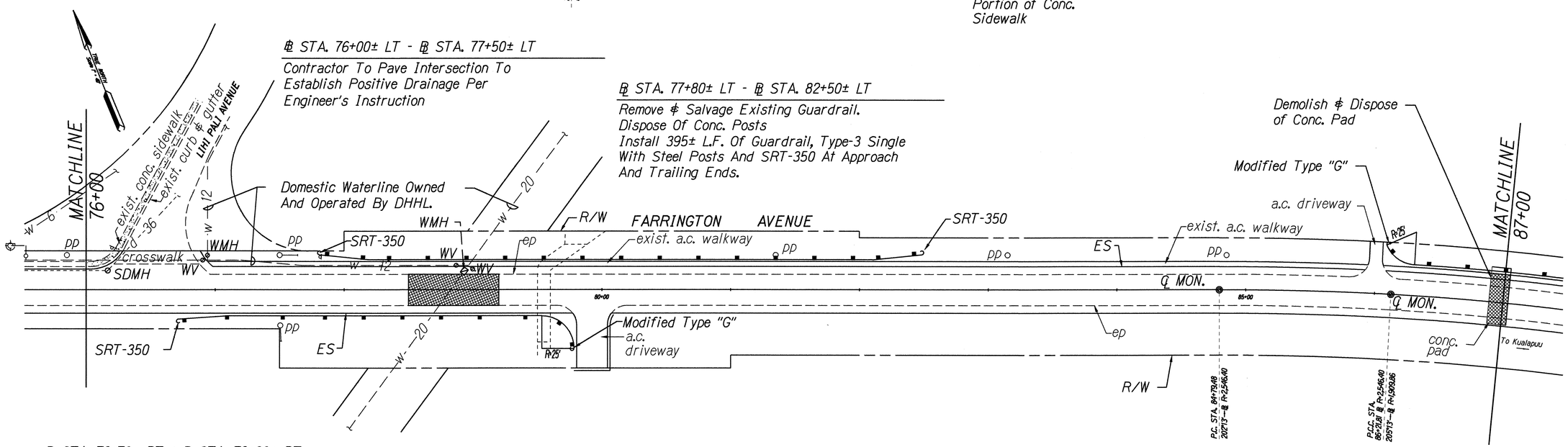


℄ STA. 76+00± LT - ℄ STA. 77+50± LT

Contractor To Pave Intersection To Establish Positive Drainage Per Engineer's Instruction

℄ STA. 77+80± LT - ℄ STA. 82+50± LT

Remove & Salvage Existing Guardrail. Dispose Of Conc. Posts Install 395± L.F. Of Guardrail, Type-3 Single With Steel Posts And SRT-350 At Approach And Trailing Ends.



℄ STA. 76+70± RT - ℄ STA. 79+80± RT

Remove & Salvage Existing Guardrail. Dispose Of Conc. Posts Install 290± L.F. Of Guardrail, Type-3 Single With Steel Posts And SRT-350 At Approach End And Modified Type "G" At Trailing End.

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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

PUUPEELUA AVENUE RESURFACING
Maunaloa Highway to Farrington Avenue
And
FARRINGTON AVENUE RESURFACING
Puupeelua Avenue to Kolae Highway
Federal - Aid Project No. STP - 0480(2)

BERT R. TOMA LICENSED PROFESSIONAL ENGINEER No. 4225-C HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

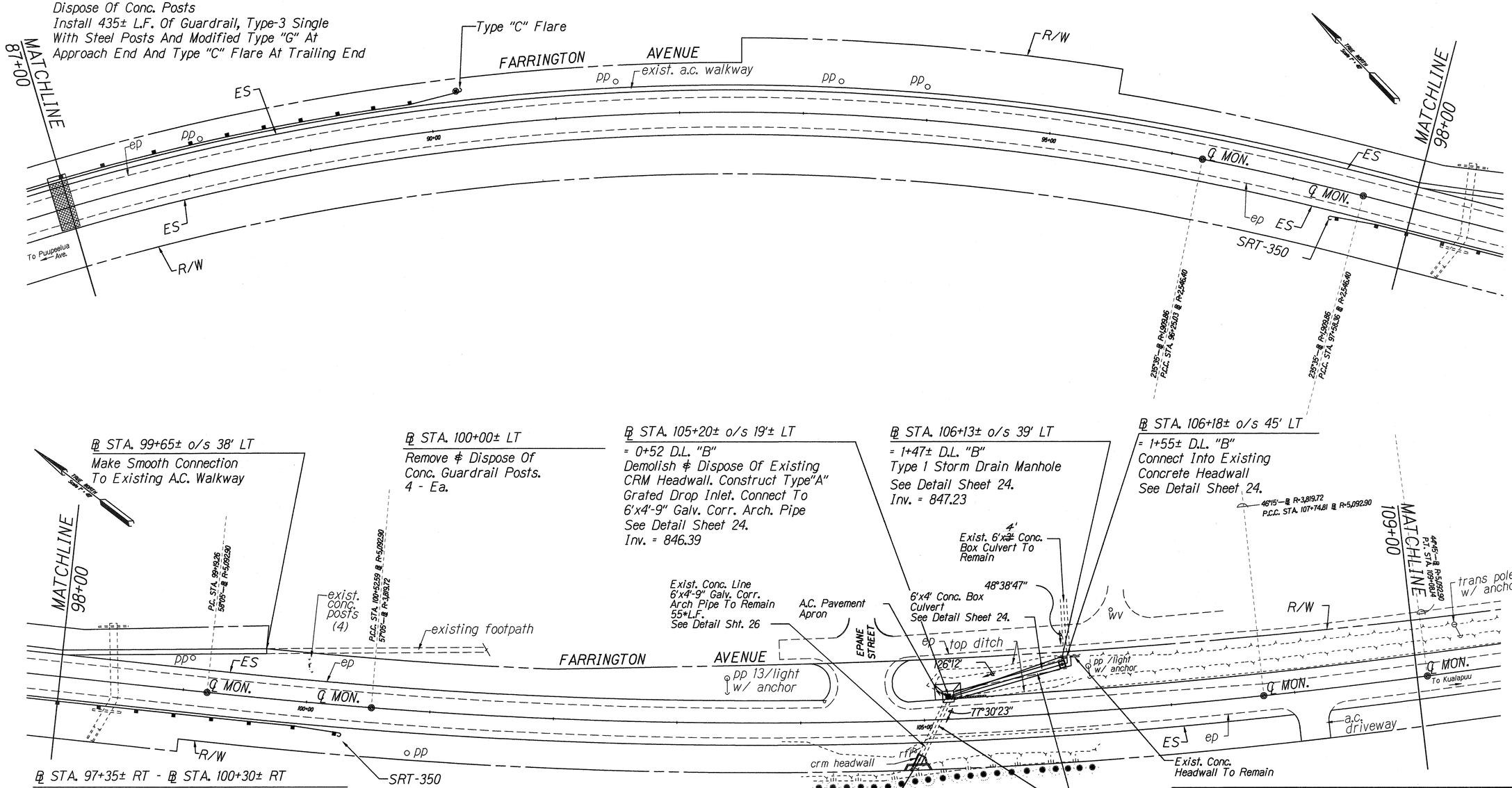
Scale: 1" = 40' Date: March 1998

SHEET No. 8 OF 11 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL - AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP - 0480(2)	1998	19	43

℄ STA. 86+10± LT - ℄ STA. 90+25± LT

Remove & Salvage Existing Guardrail.
Dispose Of Conc. Posts
Install 435± L.F. Of Guardrail, Type-3 Single
With Steel Posts And Modified Type "G" At
Approach End And Type "C" Flare At Trailing End



℄ STA. 99+65± o/s 38' LT

Make Smooth Connection
To Existing A.C. Walkway

℄ STA. 100+00± LT

Remove & Dispose Of
Conc. Guardrail Posts.
4 - Ea.

℄ STA. 105+20± o/s 19'± LT

= 0+52 D.L. "B"
Demolish & Dispose Of Existing
CRM Headwall. Construct Type"A"
Grated Drop Inlet. Connect To
6'x4'-9" Galv. Corr. Arch. Pipe
See Detail Sheet 24.
Inv. = 846.39

℄ STA. 106+13± o/s 39' LT

= 1+47± D.L. "B"
Type 1 Storm Drain Manhole
See Detail Sheet 24.
Inv. = 847.23

℄ STA. 106+18± o/s 45' LT

= 1+55± D.L. "B"
Connect Into Existing
Concrete Headwall
See Detail Sheet 24.

℄ STA. 97+35± RT - ℄ STA. 100+30± RT

Remove & Salvage Existing Guardrail.
Dispose Of Conc. Posts
Install 215± L.F. Of Guardrail, Type-3 Single
With Steel Posts And SRT-350 At Approach
And Trailing Ends.

℄ STA. 104+95± o/s 28'± RT

= 0+00 D.L. "B"
Demolish & Dispose Of Existing
CRM Headwall. Extend 6'x4'-9"
Corr. Galv. Sectional Plate Steel
Pipe, Specified Thickness 0.109" 8±L.F.
Construct Concrete Outlet Structure
See Details Sheet 25.
Inv. = 846.20

Drainline "B"
See Profile Sheet 22.
Fill = 685 C.Y.

NOTE:
ELEVATIONS SHOWN ON THIS SHEET WERE
REFERENCED FROM ℄ MONUMENT @ ℄ STA. 115+57.33
FARRINGTON AVENUE
ELEVATION = 846.50 MSL

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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

PUUPEELUA AVENUE RESURFACING
Maunaloa Highway to Farrington Avenue
And
FARRINGTON AVENUE RESURFACING
Puupeelua Avenue to Kolae Highway
Federal - Aid Project No. STP - 0480(2)

Scale: 1" = 40' Date: March 1998

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SHEET No. 9 OF 43 SHEETS

"AS-BUILT"

MARSHALL W. FARFLUNG
PLOT: H 12/1/97

FED. ROAD DIST. NO.	STATE	FEDERAL - AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP - 0480(2)	1998	20	43

℄ STA. 117+80± o/s 40'±LT - ℄ STA. 118+08± o/s 34'± LT

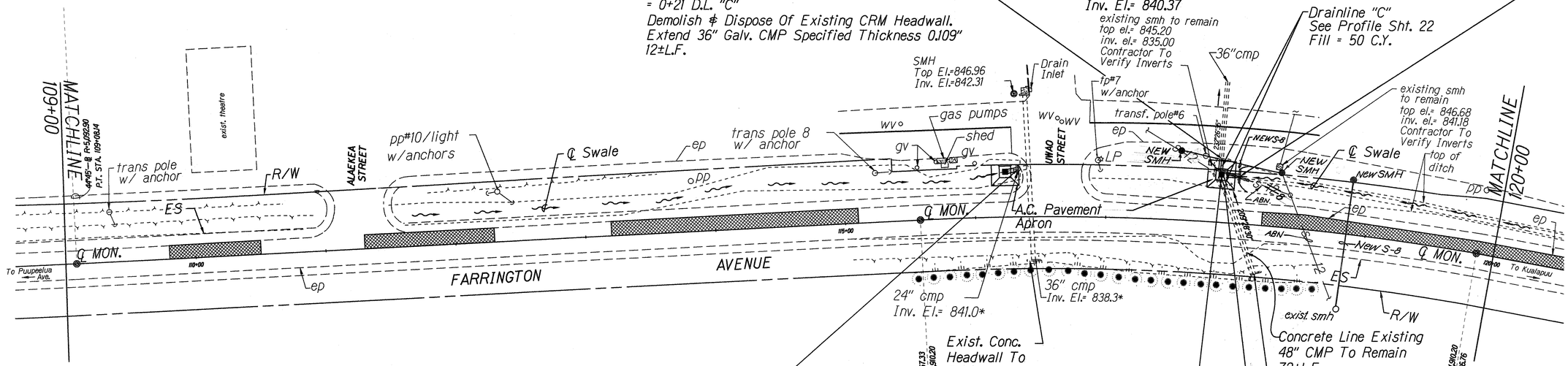
Install 28±L.F. Reinforced
Concrete Jacket Around Existing Sewerline
See DPW Std. Det. S-5.

℄ STA. 117+86± o/s 37'± LT - ℄ STA. 118+00± o/s 36'± LT

Install 36" RCP Class III 15± L.F. @ S=1.0%
Construct Concrete Headwall Per D.O.T.
Std. Plan H-16
Inv. El.= 840.37

℄ STA. 117+86± o/s 48'± LT

= 0+21 D.L. "C"
Demolish & Dispose Of Existing CRM Headwall.
Extend 36" Galv. CMP Specified Thickness 0.109"
12±L.F.



℄ STA. 116+30± o/s 36'± LT

Demolish & Dispose Of Existing Concrete Headwall.
Extend 24" Galv. CMP Specified Thickness 0.109"
10±L.F. Construct Type 61614B Grate Drop Inlet.
Fill Depression And Dress Shoulder To Flow To GDI.
Top = 846.3±
Inv. = 841.19
Fill = 95 C.Y.

℄ STA. 117+86± o/s 37'± LT

= 0+09 D.L. "C"
Construct Type "B" Grated Drop Inlet
See Detail Sheet 25.
Inv = 840.22

(-) 0+72 D.L. "C"
Existing CRM Headwall
To Remain
Inv. El.= 835.86

℄ STA. 117+90± o/s 28'± LT

= 0+00 D.L. "C"
Demolish & Dispose Of Existing CRM Headwall.
Extend 48" Galv. CMP Specified Thickness 0.168
9±L.F.

NOTE:
ELEVATIONS SHOWN ON THIS SHEET WERE
REFERENCED FROM ℄ MONUMENT @ ℄ STA. 115+57.33
FARRINGTON AVENUE
ELEVATION = 846.50 MSL

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

WRIGHT,WIRK-FARRLING
WILBUR-WHITE
PLOT: H1 12/1/97

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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

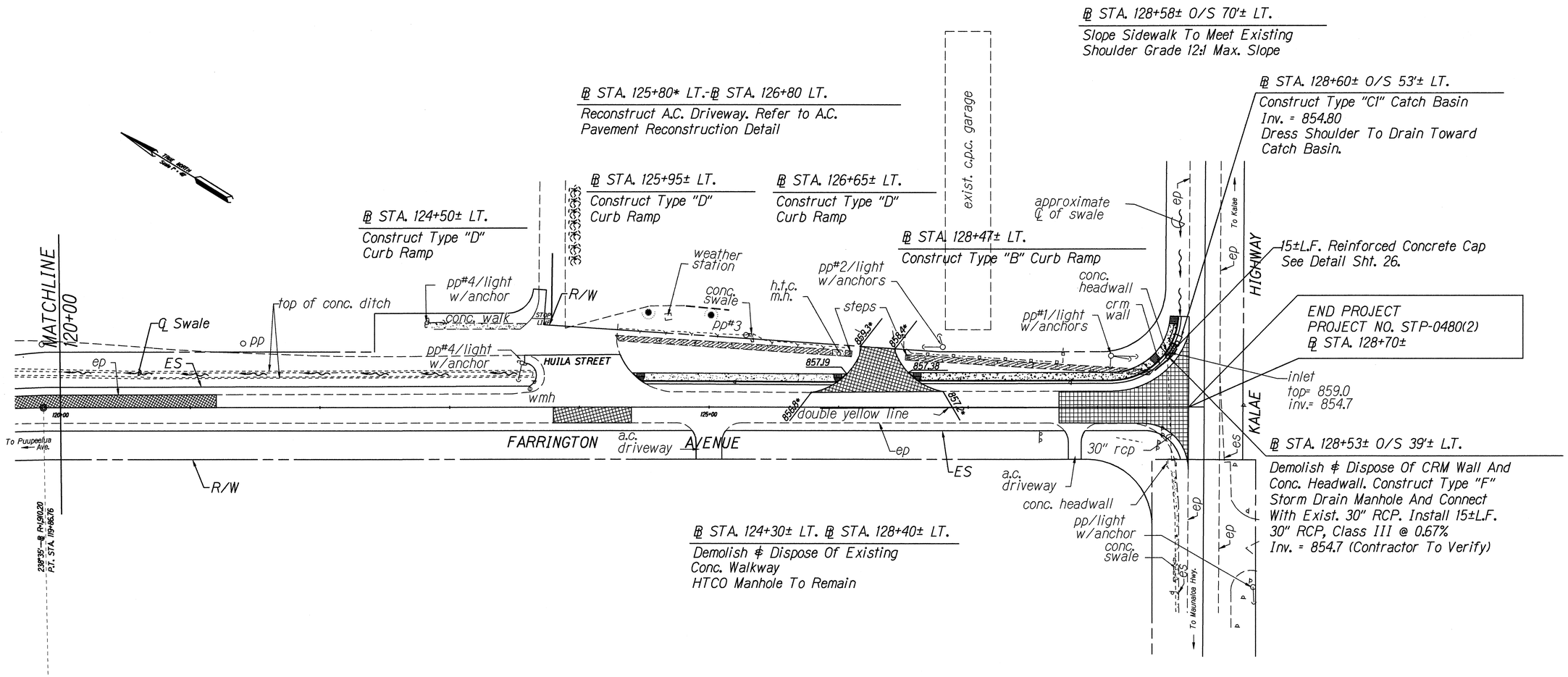
PUUPEELUA AVENUE RESURFACING
Mauna loa Highway to Farrington Avenue
And
FARRINGTON AVENUE RESURFACING
Puupeelua Avenue to Kalae Highway
Federal - Aid Project No. STP - 0480(2)

Scale: 1" = 40' Date: March 1998

SHEET No. 10 OF 11 SHEETS

"AS-BUILT"

FED. ROAD DIST. NO.	STATE	FEDERAL - AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP - 0480(2)	1998	21	43



NOTE:
ELEVATIONS SHOWN ON THIS SHEET WERE
REFERENCED FROM ℄ MONUMENT @ ℄ STA. 115+57.33
FARRINGTON AVENUE
ELEVATION = 846.50 MSL

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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

PUUPEELUA AVENUE RESURFACING
Maunaloa Highway to Farrington Avenue
And
FARRINGTON AVENUE RESURFACING
Puupeelua Avenue to Kalae Highway
Federal - Aid Project No. STP - 0480(2)

Scale: 1" = 40' Date: March 1998

BERT R. TORA
LICENSED PROFESSIONAL ENGINEER
No. 4358-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

SHEET No. 11 OF 11 SHEETS