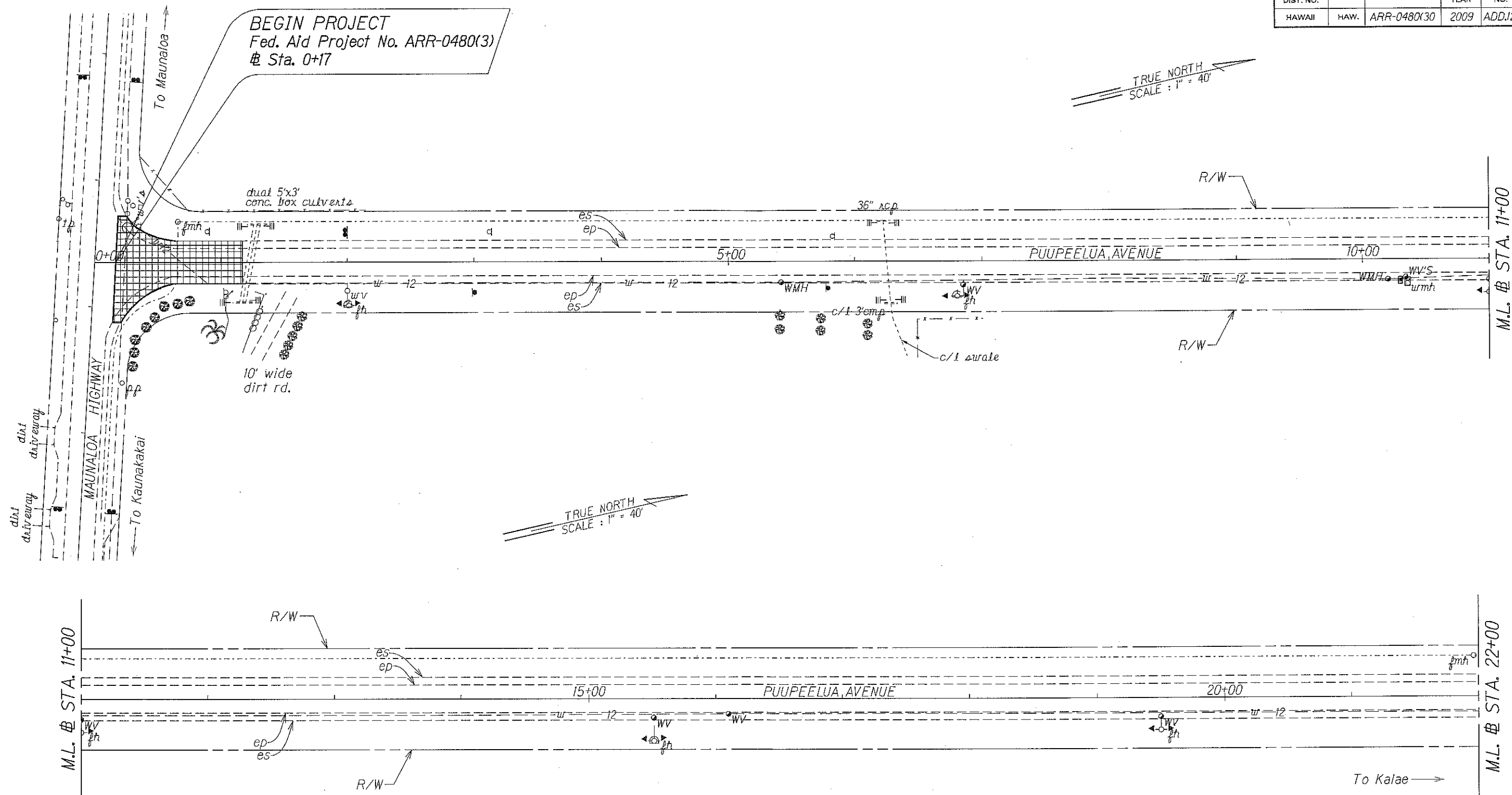


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ARR-0480(30)	2009	ADD.12	35



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

9-25-09	Revised baseline Sta. 0+17 to Sta. 32+00±.
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

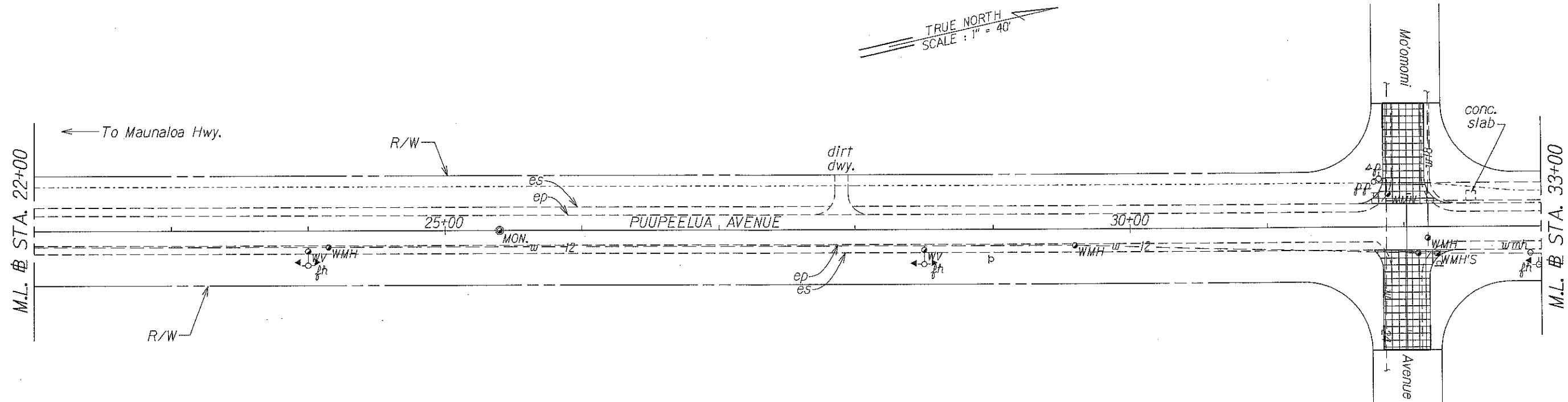
ROADWAY PLAN

PUUPEELUA AVENUE RESURFACING
Maunaloa Highway to Farrington Avenue and
FARRINGTON AVENUE RESURFACING
Puupeeelua Avenue to Kalae Highway
Federal-Aid Project No. ARR-0480(3)

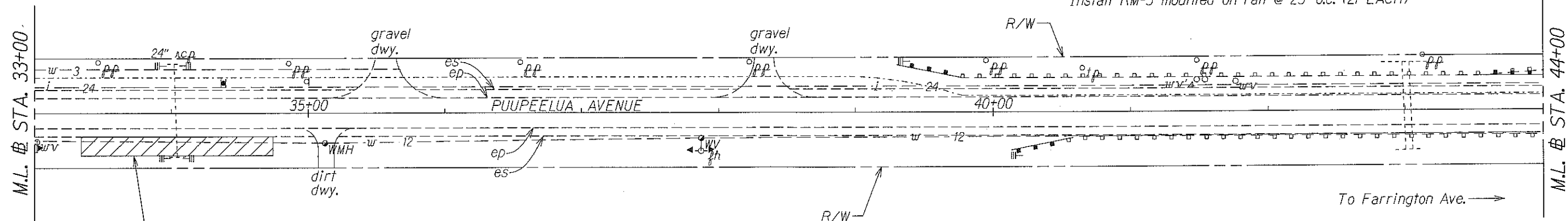
Scale: 1" = 40' Date: February, 2009

SHEET No. 1 OF 9 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ARR-0480(3)	2009	ADD.13	35



TRUE NORTH
SCALE : 1" = 40'



± STA. 33+35± RT. - ± STA. 34+75± RT.
Construct roadway embankment with slope of 2:1 (Max.). See Typical Section on Sht. No. 7

± STA. 39+30± LT. - ± STA. 44+40± LT.
Remove existing approach terminal & replace with Type FLEAT 350 (1 EACH) & extend existing guardrail with steel post 20 L.F..
Remove existing trailing terminal & replace with Type "A" (1 EACH). Reset existing guardrail post (65 EACH)
Install RM-5 mounted on rail @ 25' o.c. (21 EACH)

± STA. 40+15± RT. - ± STA. 45+05± RT.
Remove existing approach terminal & replace with Type "A" (1 EACH) &
Remove existing trailing terminal & replace with Type FLEAT 350 (1 EACH).
Reset existing guardrail post (65 EACH)
Install RM-5 mounted on rail @ 25' o.c. (20 EACH)

ORIGINAL PLAN	DATE
DESIGNED BY	
CHECKED BY	
NOTED BY	
DATE	

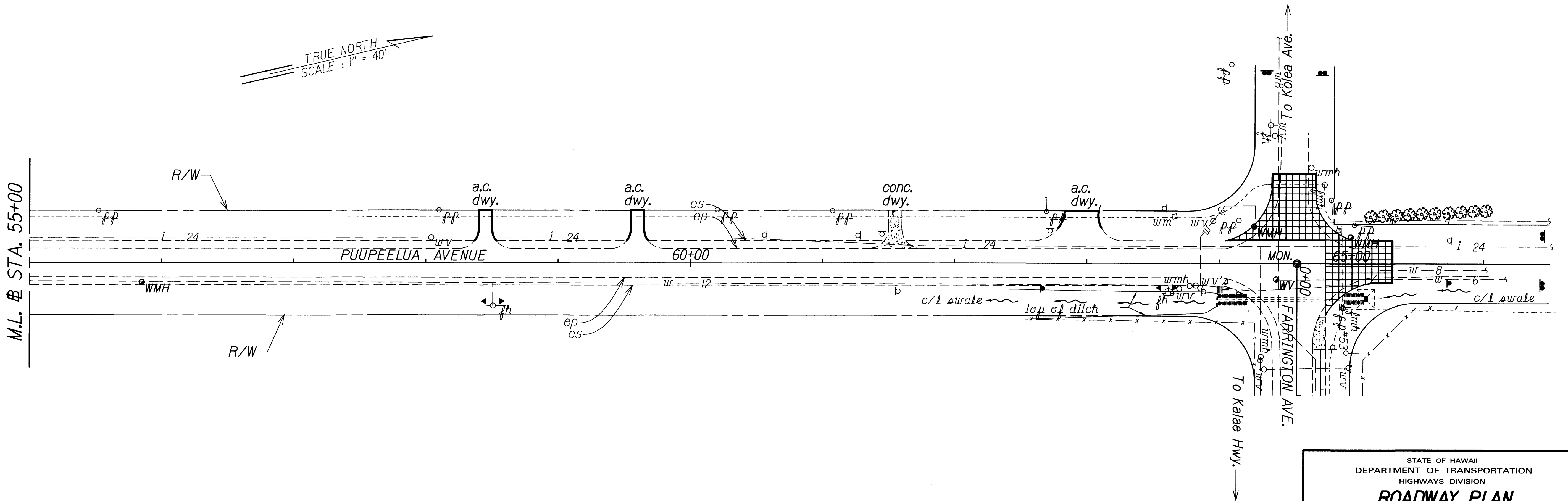
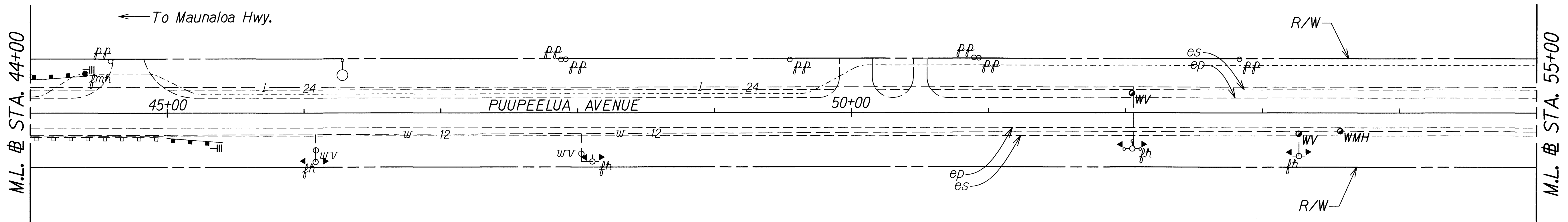
9-25-09 Revised baseline Sta. 0+17 to Sta. 32+00±.

DATE REVISION

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION
ROADWAY PLAN
PUUPEELUA AVENUE RESURFACING Maunaloa Highway to Farrington Avenue and FARRINGTON AVENUE RESURFACING Puupeeelua Avenue to Kalae Highway Federal-Aid Project No. ARR-0480(3) Scale: 1" = 40' Date: February, 2009
SHEET No. 2 OF 9 SHEETS

ADD.13

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ARR-0480(3)	2009	14	35



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTED BY	TRACED BY	
QUANTITIES BY	CHECKED BY	
N. 1/2/09		

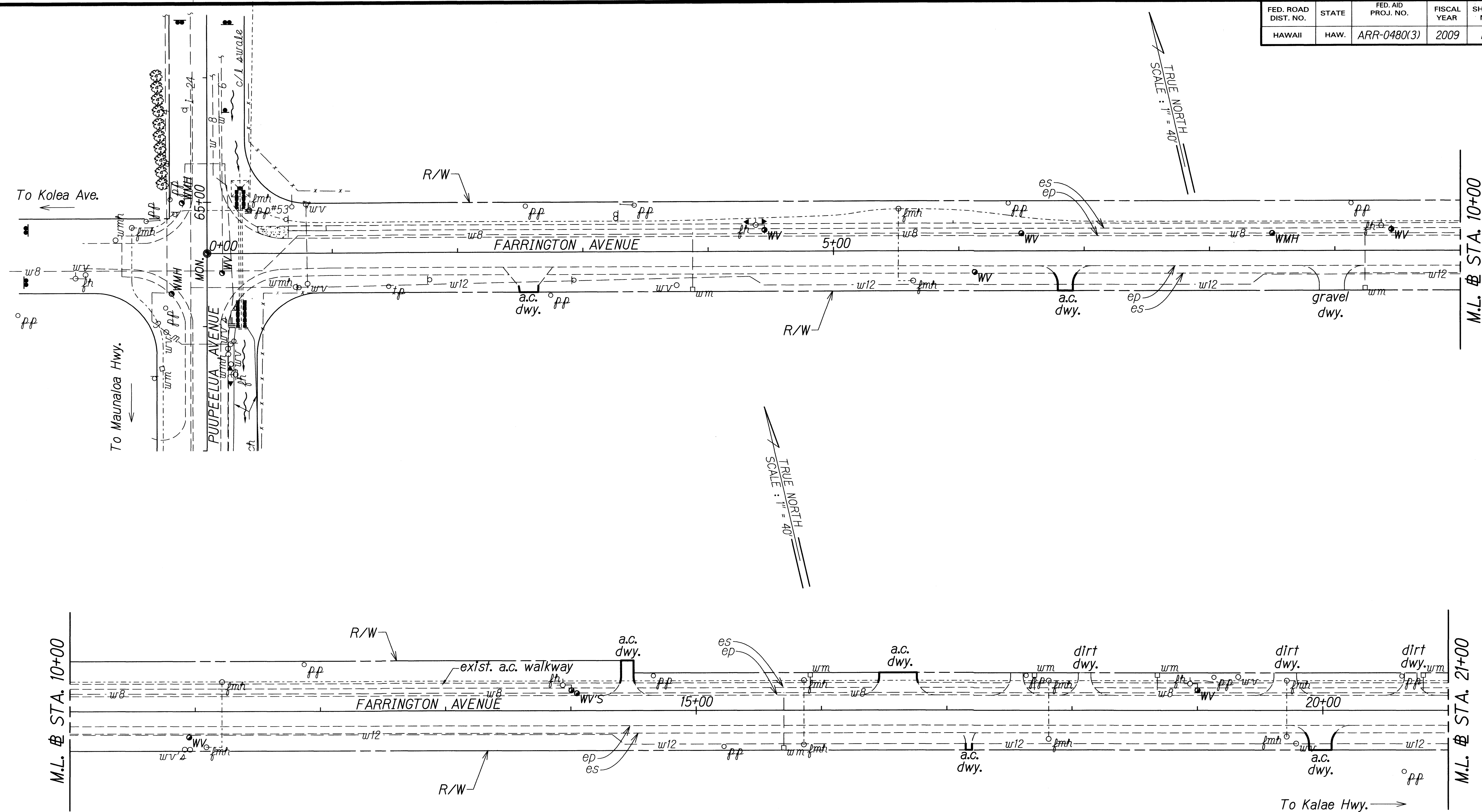
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

PUUPEELUA AVENUE RESURFACING
Maunaloa Highway to Farrington Avenue and
FARRINGTON AVENUE RESURFACING
Puupeeelua Avenue to Kalae Highway
Federal-Aid Project No. ARR-0480(3)

Scale: 1" = 40' Date: February, 2009

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ARR-0480(3)	2009	15	35



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTES	DRAWN BY	
DESIGNED BY		
CHECKED BY		
DATE		

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

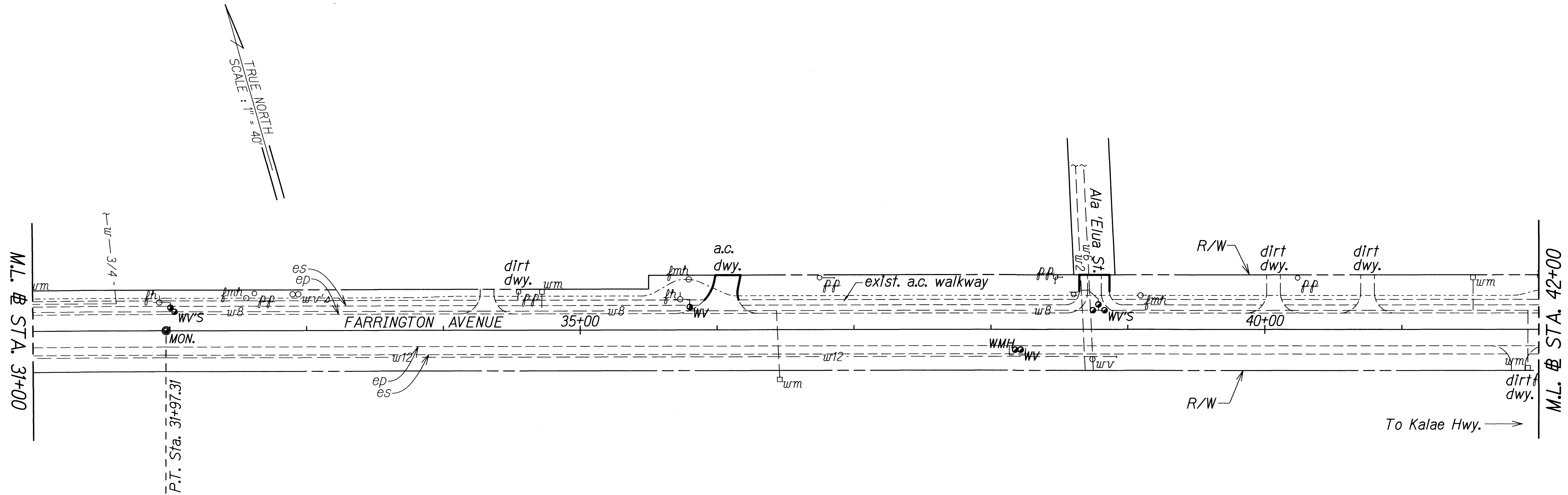
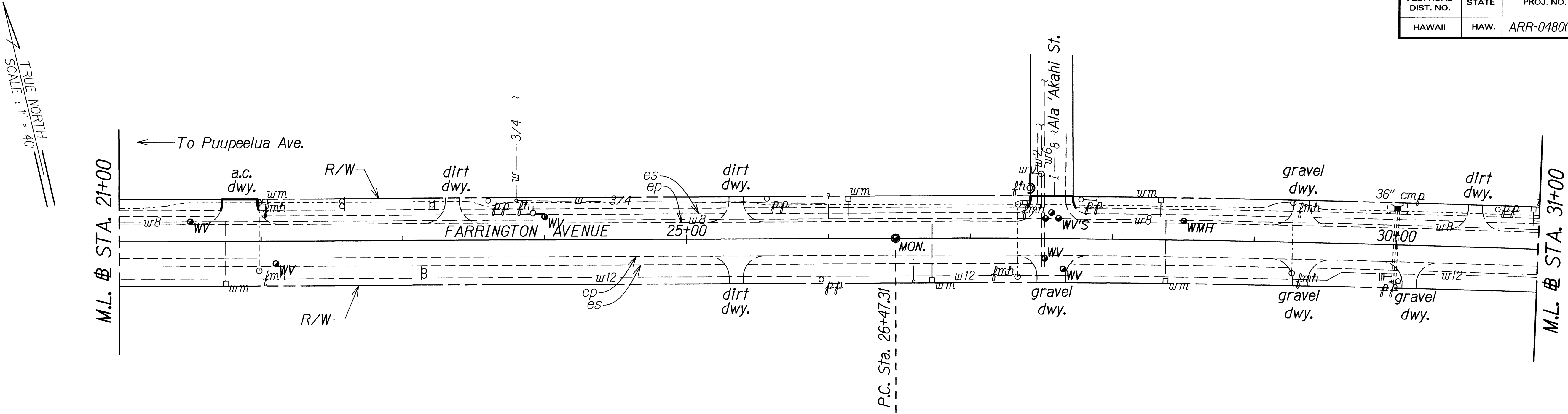
ROADWAY PLAN

PUUPEELUA AVENUE RESURFACING
Maunaloa Highway to Farrington Avenue and
FARRINGTON AVENUE RESURFACING
Puupeeelua Avenue to Kalae Highway
Federal-Aid Project No. ARR-0480(3)

Scale: 1" = 40' Date: February, 2009

SHEET No. 4 OF 9 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ARR-0480(3)	2009	16	35



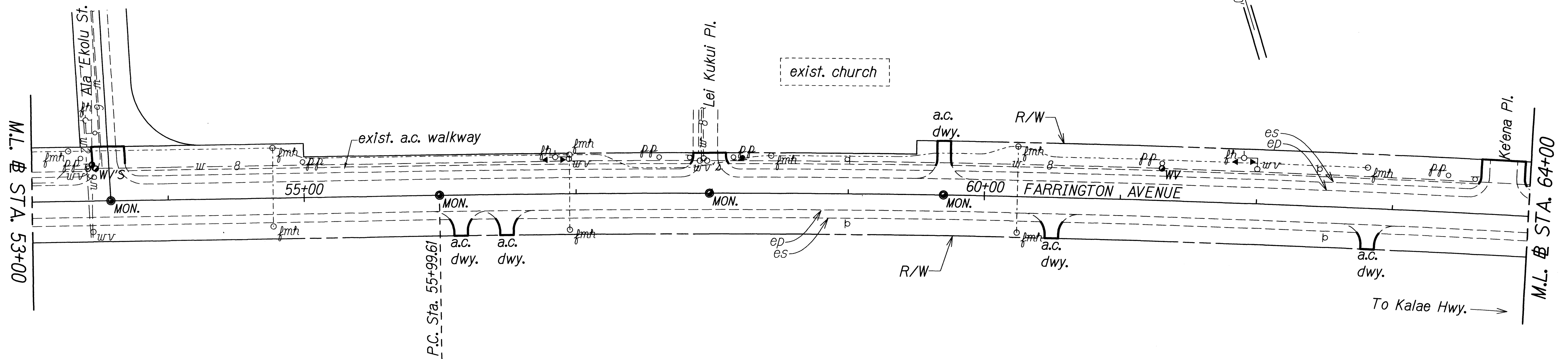
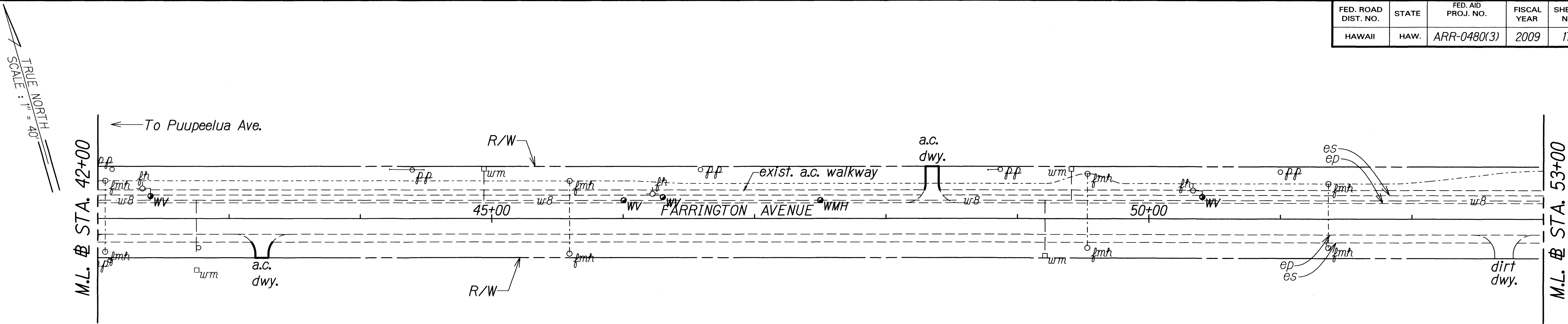
ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
DESIGNED BY		
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN
PUUPEELUA AVENUE RESURFACING
Maunaloa Highway to Farrington Avenue and
FARRINGTON AVENUE RESURFACING
Puupeelua Avenue to Kalae Highway
Federal-Aid Project No. ARR-0480(3)
Scale: 1" = 40' Date: February, 2009

SHEET No. 5 OF 9 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ARR-0480(3)	2009	17	35



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTED BOOK	DRAWN BY	
DESIGNED BY	CHECKED BY	
DATE		

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. ARR-0480(3)

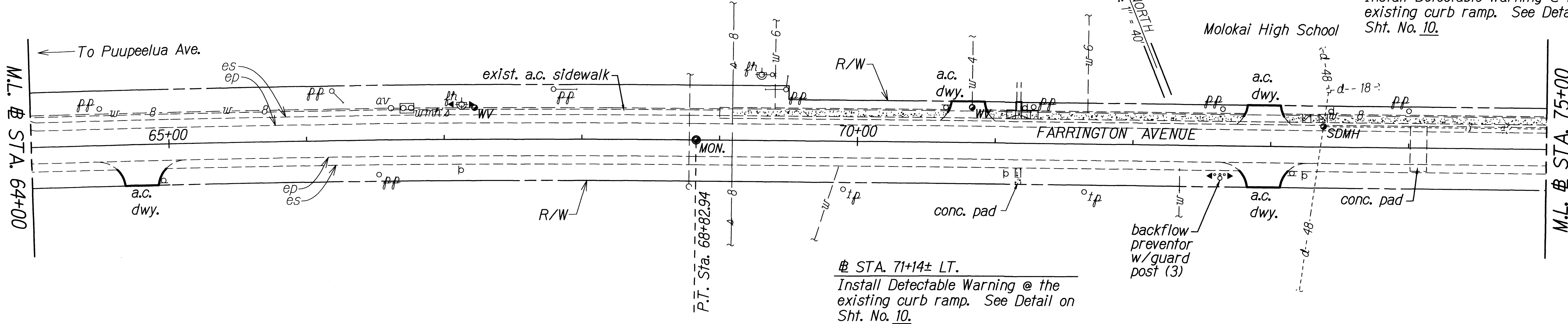
Scale: 1" = 40' Date: February, 2009

SHEET No. 6 OF 9 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ARR-0480(3)	2009	18	35

STA. 69+00± LT. - # STA. 76+40± LT.
Prior to resurfacing cold plane @ the face of the existing concrete curb. See detail on Sht. No. 7.

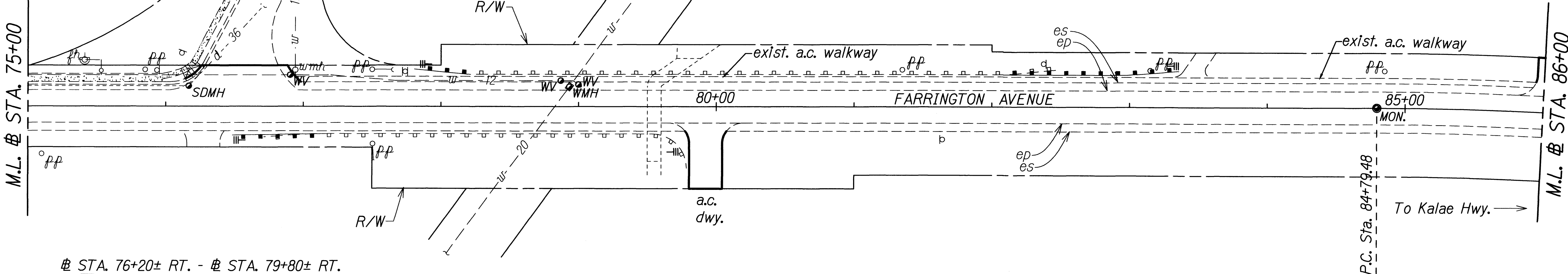
STA. 73+30± LT.
Install Detectable Warning @ the existing curb ramp. See Detail on Sht. No. 10.



STA. 71+14± LT.
Install Detectable Warning @ the existing curb ramp. See Detail on Sht. No. 10.

STA. 76+20± LT.
Install Detectable Warning @ the existing curb ramp. See Detail on Sht. No. 10.

STA. 77+80± LT. - # STA. 83+25± LT.
Remove existing approach terminal & replace with Type FLEAT 350 (1 EACH) & extend existing guardrail Type 3 single with steel post (75 L.F.)
Remove existing trailing terminal & replace with Type FLEAT 350 (1 EACH).
Reset existing guardrail post (64 EACH)
Install RM-5 mounted on rail @ 25' o.c. (22 EACH)



STA. 76+20± RT. - # STA. 79+80± RT.
Remove existing approach terminal & replace with Modified Type G (1 EACH)
Extend existing guardrail Type 3 single with steel post (50 L.F.)
Remain existing trailing terminal
Reset existing guardrail post (50 EACH)
Install RM-5 mounted on rail @ 25' o.c. (15 EACH)

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
DESIGNED BY	TRACED BY	
CHECKED BY	CHECKED BY	
N. X. dgg		

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

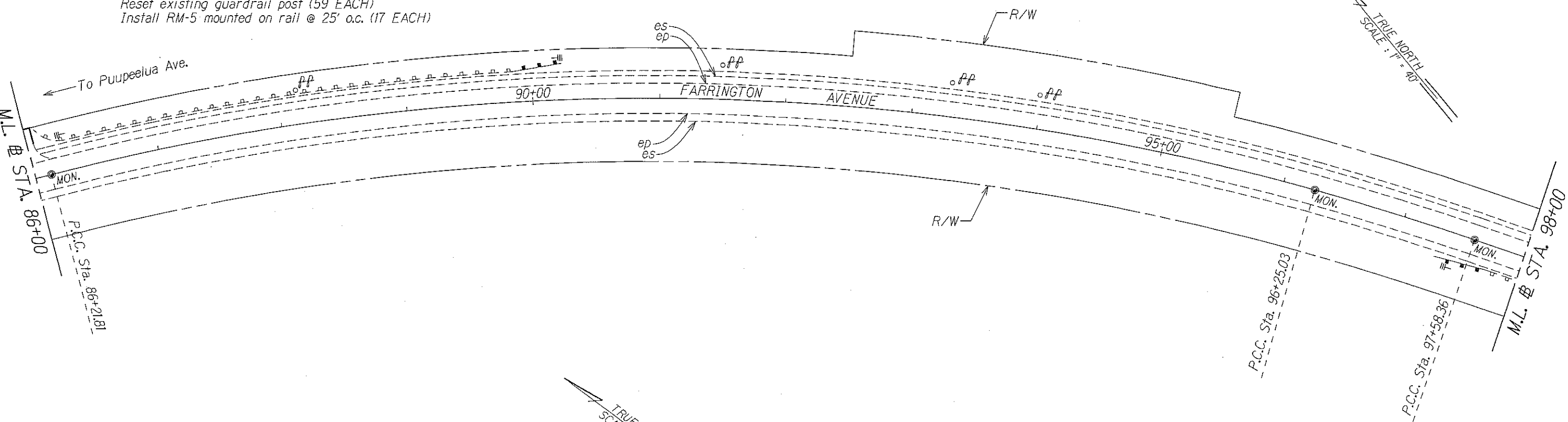
ROADWAY PLAN

PUUPEELUA AVENUE RESURFACING
Maunaloa Highway to Farrington Avenue and
FARRINGTON AVENUE RESURFACING
Puupeeelua Avenue to Kalae Highway
Federal-Aid Project No. ARR-0480(3)

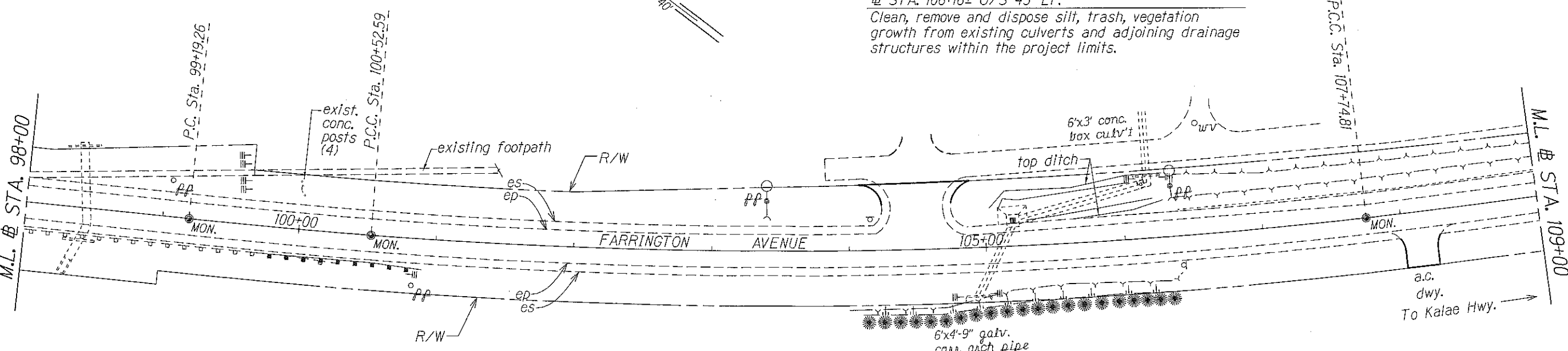
Scale: 1" = 40' Date: February, 2009

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ARR-0480(3)	2009	ADD.19	35

@ STA. 86+10± LT. - @ STA. 90+25± LT.
 Remove existing approach terminal & replace with Type "A" (1 EACH)
 Remain existing guardrail & trailing terminal
 Reset existing guardrail post (59 EACH)
 Install RM-5 mounted on rail @ 25' o.c. (17 EACH)



@ STA. 106+18± O/S 45' LT.
 Clean, remove and dispose silt, trash, vegetation growth from existing culverts and adjoining drainage structures within the project limits.



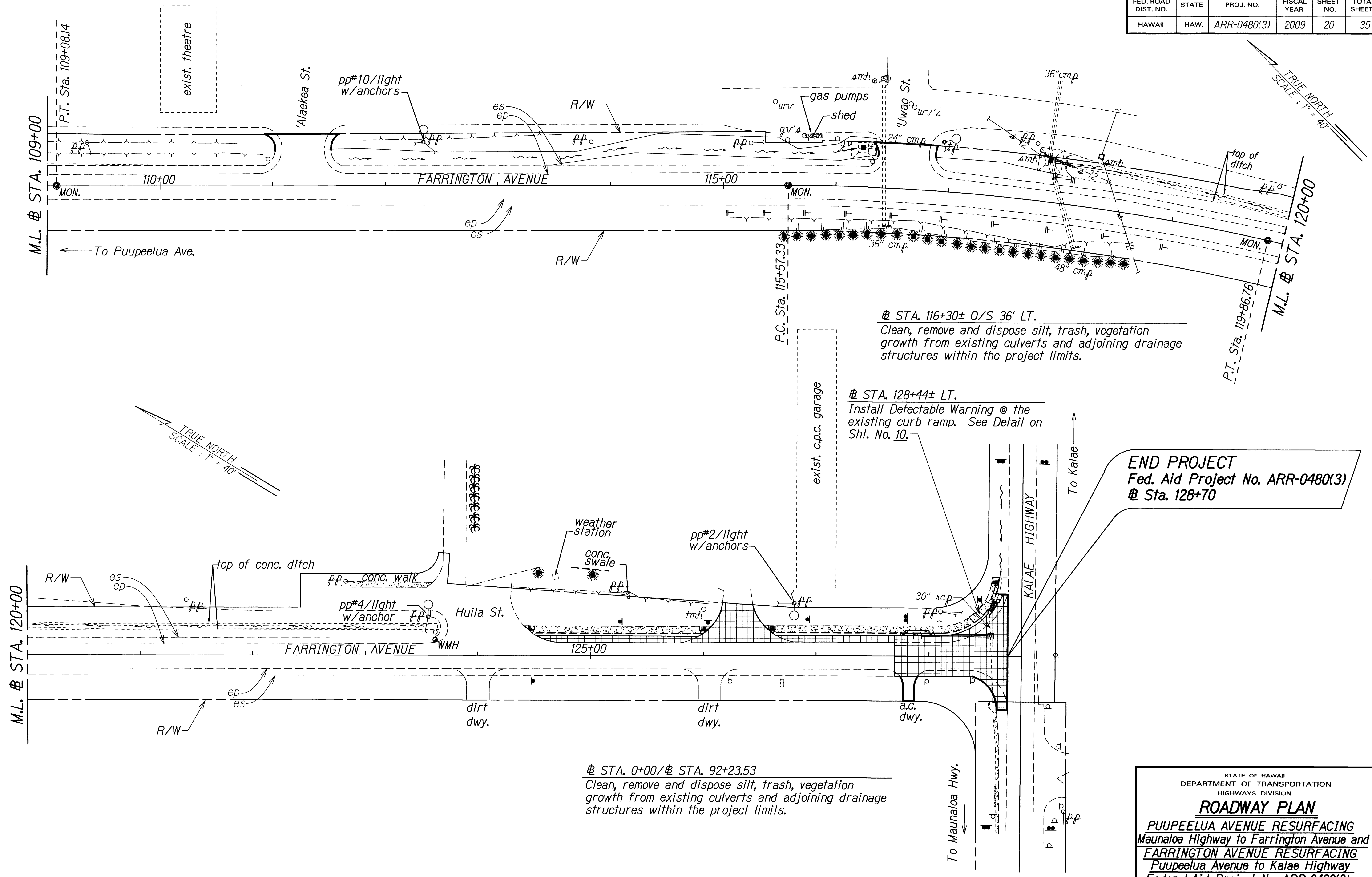
@ STA. 96+73± RT. - @ STA. 100+30± RT.
 Remove existing approach & trailing terminals & replace with Type "FLEAT 350" (2 EACH)
 Extend existing guardrail Type 3 single with steel post (62.5 L.F.)
 Remain existing guardrail & approach terminal
 Reset existing guardrail post (40 EACH)
 Install RM-5 mounted on rail @ 25' o.c. (15 EACH)

DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
NOTED BY	
QUANTITIES BY	
ORIGINAL PLAN	

9-25-09	Revised remark @ Sta. 96+73± Rt. - @ Sta. 100+30± Rt.
DATE	REVISION

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
ROADWAY PLAN
 PUUPEELUA AVENUE RESURFACING
 Maunaloa Highway to Farrington Avenue and
 FARRINGTON AVENUE RESURFACING
 Puupeeelua Avenue to Kalae Highway
 Federal-Aid Project No. ARR-0480(3)
 Scale: 1" = 40' Date: February, 2009
 SHEET No. 8 OF 9 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ARR-0480(3)	2009	20	35



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTED BY	DRAWN BY	
CHECKED BY	DESIGNED BY	
	APPROVED 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. ARR-0480(3)
Scale: 1" = 40' Date: February, 2009

SHEET No. 9 OF 9 SHEETS