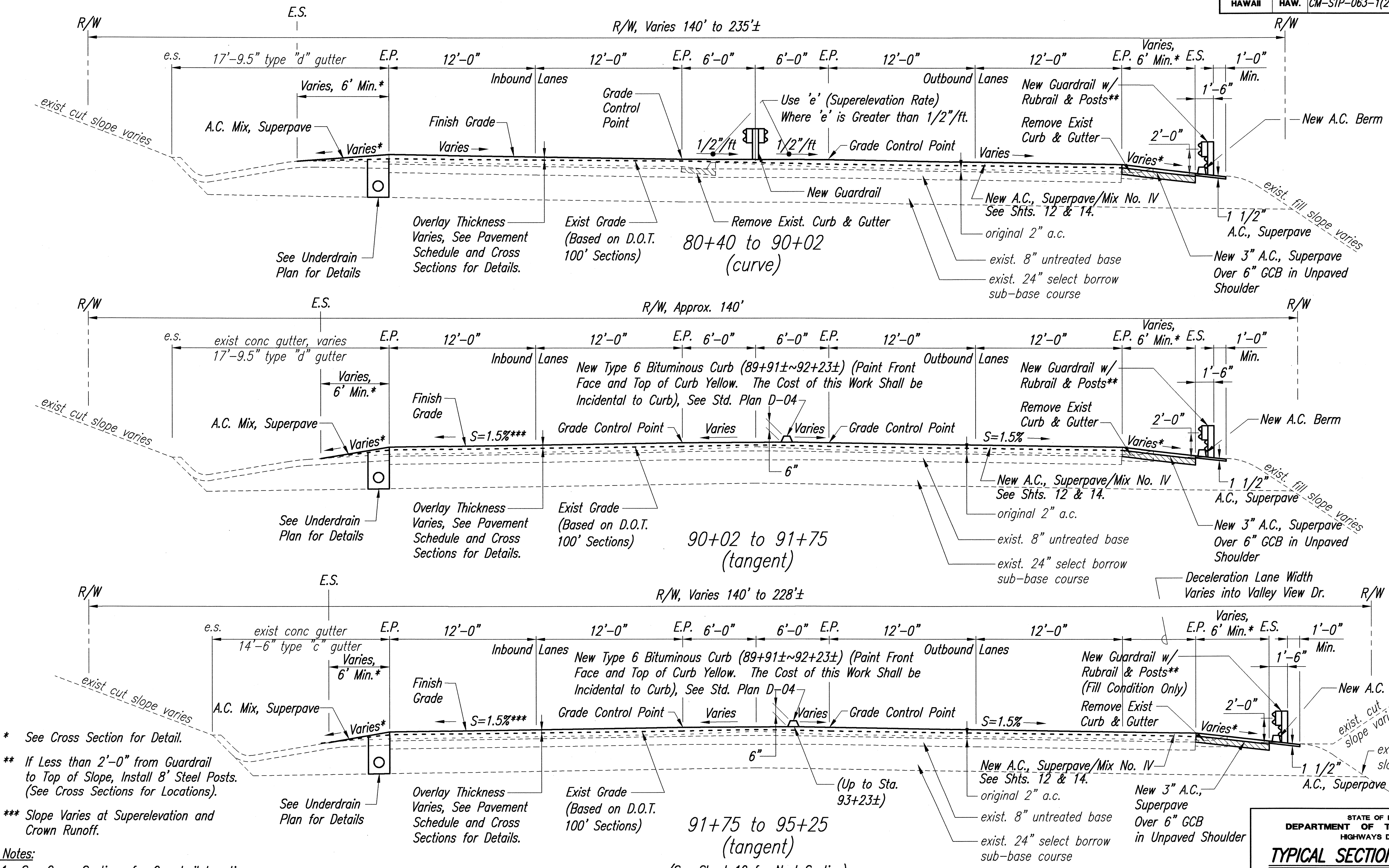
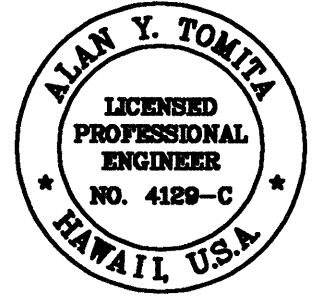


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CM-STP-063-1(21)	2002	6	187



- * See Cross Section for Detail.
- ** If Less than 2'-0" from Guardrail to Top of Slope, Install 8' Steel Posts. (See Cross Sections for Locations).
- *** Slope Varies at Superelevation and Crown Runoff.
- Notes:**
- See Cross Sections for Guardrail Locations.
 - Cold Plane Exist A.C. 1/2-inch Min. to Expose New Aggregate for Bonding with the New A.C. Layer.
 - See Sht. 12 for A.C. Berm Detail
 - See Sht. 14 for Shoulder Reconstruction Schedule.

TYPICAL SECTION - LIKELIKE HIGHWAY
 SCALE: 1/4"=1'-0"



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Alan Y. Tomita

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

TYPICAL SECTIONS & DETAILS

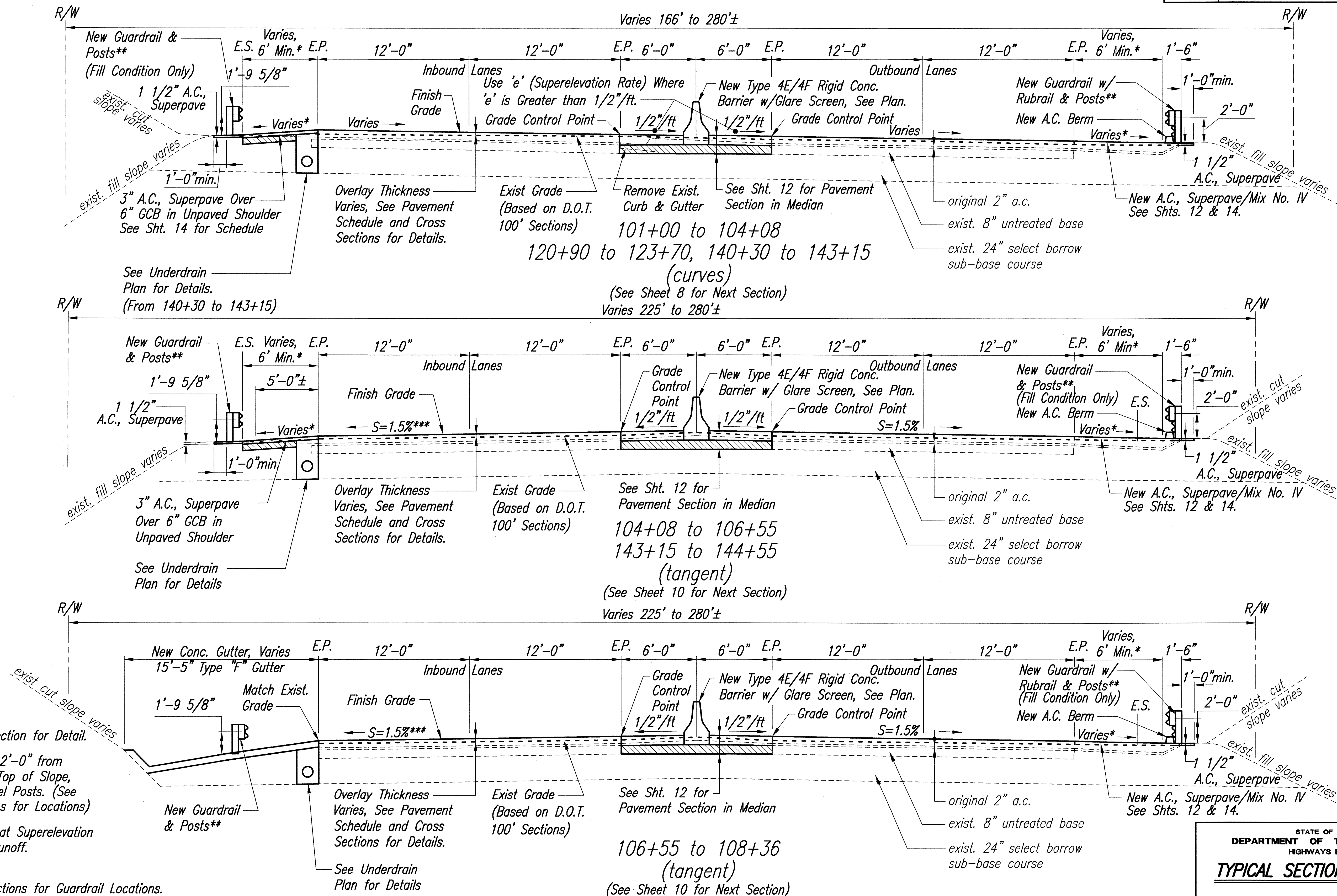
LIKELIKE HIGHWAY RESURFACING
 Emmeline Place to the Wilson Tunnel
 F. A. Project No. CM-STP-063-1(21)

Scale: As Shown Date: December, 2001

SHEET No. 1 OF 9 SHEETS

SURVEY PLOTTED BY	DATE
DESIGNED BY	
TRACED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	
NO.	

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CM-STP-063-1(21)	2002	7	187

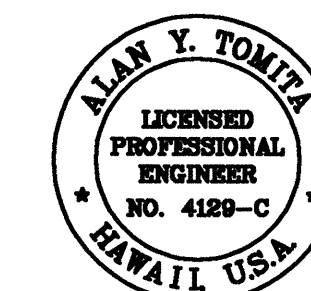


- * See Cross Section for Detail.
- ** If Less than 2'-0" from Guardrail to Top of Slope, Install 8' Steel Posts. (See Cross Sections for Locations)
- *** Slope Varies at Superelevation and Crown Runoff.

Notes:

- See Cross Sections for Guardrail Locations.
- Cold Plane Exist A.C. 1/2-inch Min. to Expose New Aggregate for Bonding with the New A.C. Layer.
- See Sht. 12 for A.C. Berm Detail
- See Sht. 14 for Shoulder Reconstruction Schedule

TYPICAL SECTION - LIKELINE HIGHWAY
 SCALE: 1/4" = 1'-0"



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Alan Y. Tomita

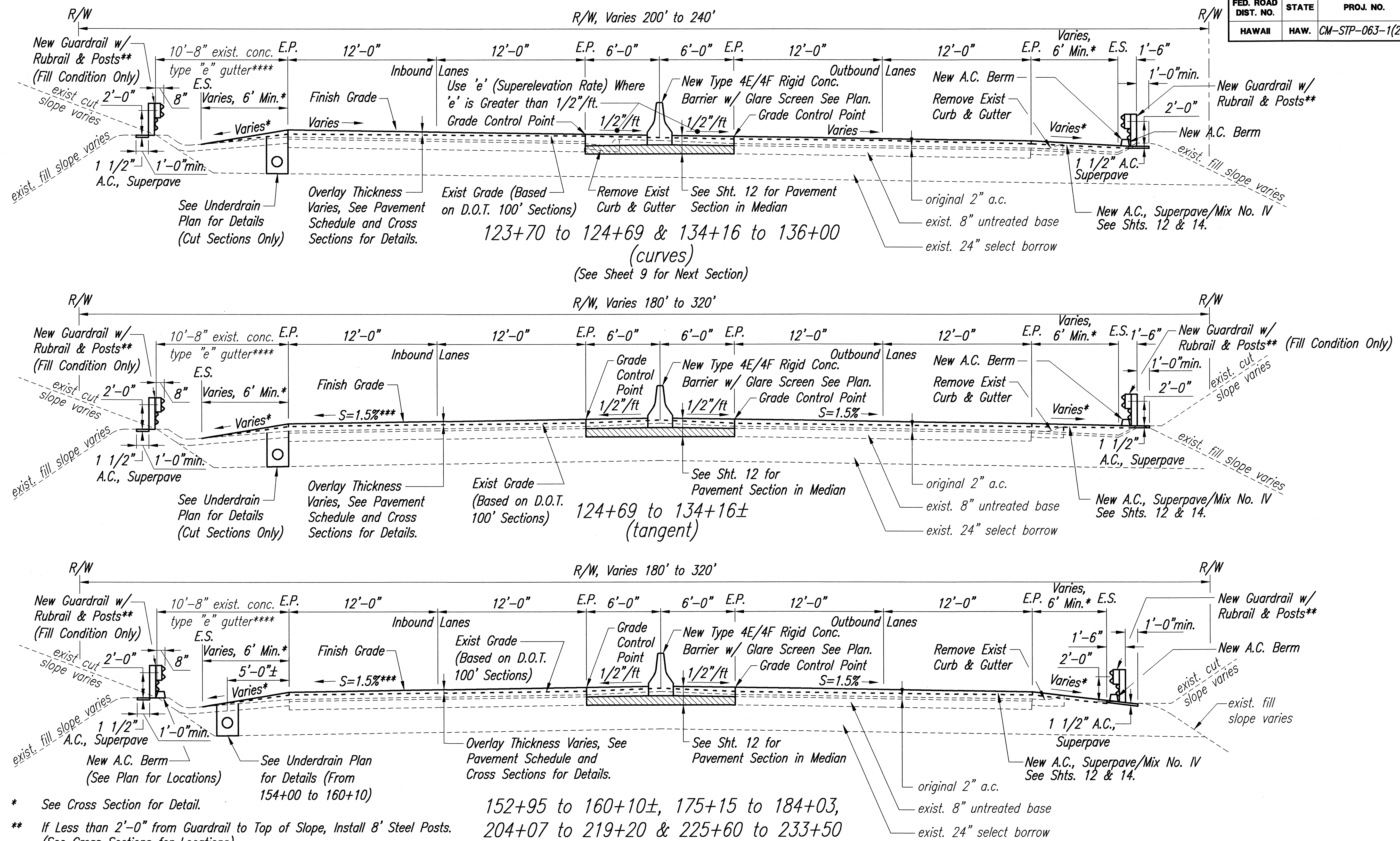
**STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
 TYPICAL SECTIONS & DETAILS**

**LIKELINE HIGHWAY RESURFACING
 Emmeline Place to the Wilson Tunnel
 F. A. Project No. CM-STP-063-1(21)**

Scale: As Shown Date: December, 2001

SHEET No. 2 OF 9 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CM-STP-063-1(21)	2002	8	187



- * See Cross Section for Detail.
- ** If Less than 2'-0" from Guardrail to Top of Slope, Install 8' Steel Posts. (See Cross Sections for Locations).
- *** Slope Varies at Superelevation and Crown Runoff.
- **** Transition From Type "E" Gutter to Type "EG" Curb & Gutter Not Shown.

- Notes:
- See Cross Sections for Guardrail Locations.
 - Cold Plane Exist A.C. 1/2-inch Min. to Expose New Aggregate for Bonding with the New A.C. Layer.
 - See Sht. 12 for A.C. Berm Detail
 - See Sht. 14 for Shoulder Reconstruction Schedule

TYPICAL SECTION - LIKELIKE HIGHWAY
SCALE: 1/4"=1'-0"

ALAN Y. TOMIX
LICENSED PROFESSIONAL ENGINEER
NO. 4128-C
HAWAII, USA

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OR UNDER MY SUPERVISION.

Alan Y. Tomix

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

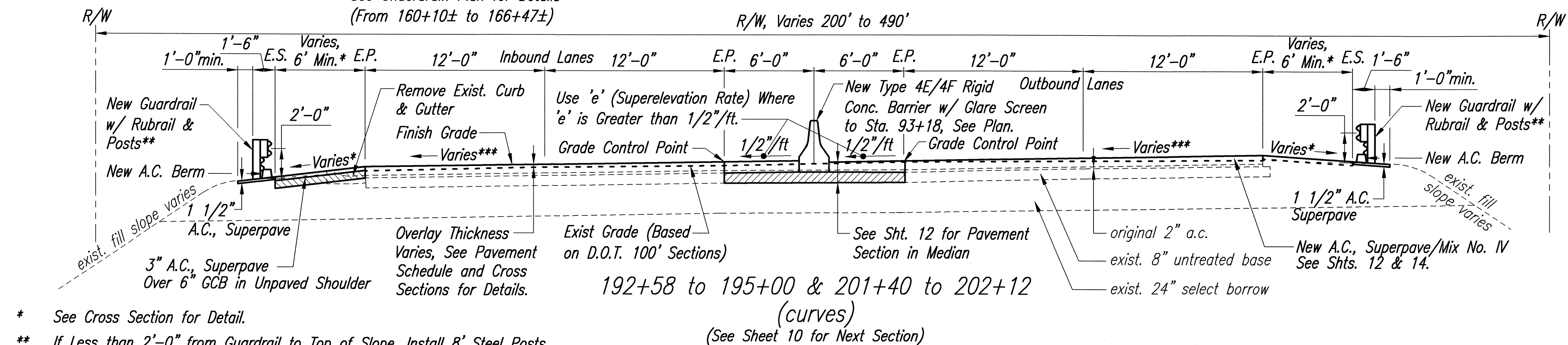
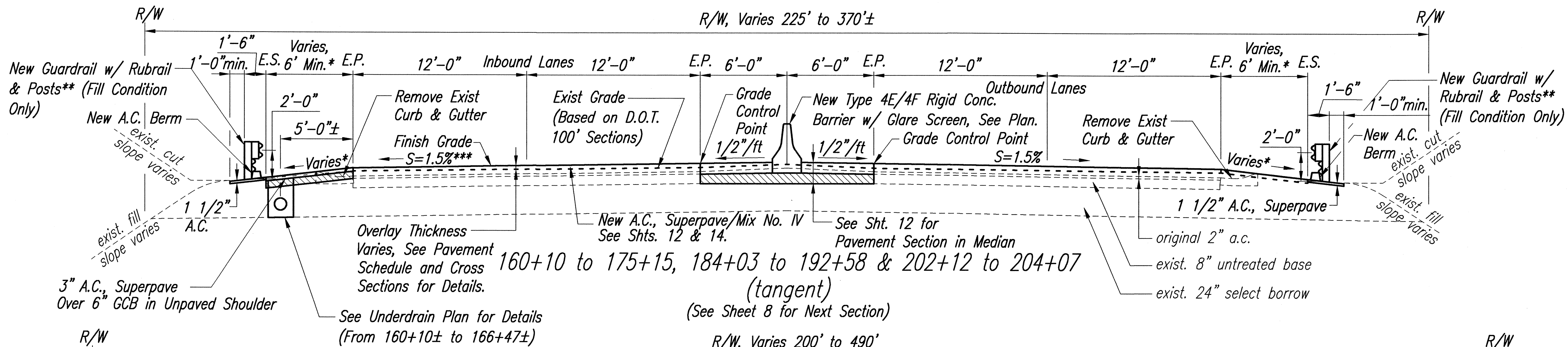
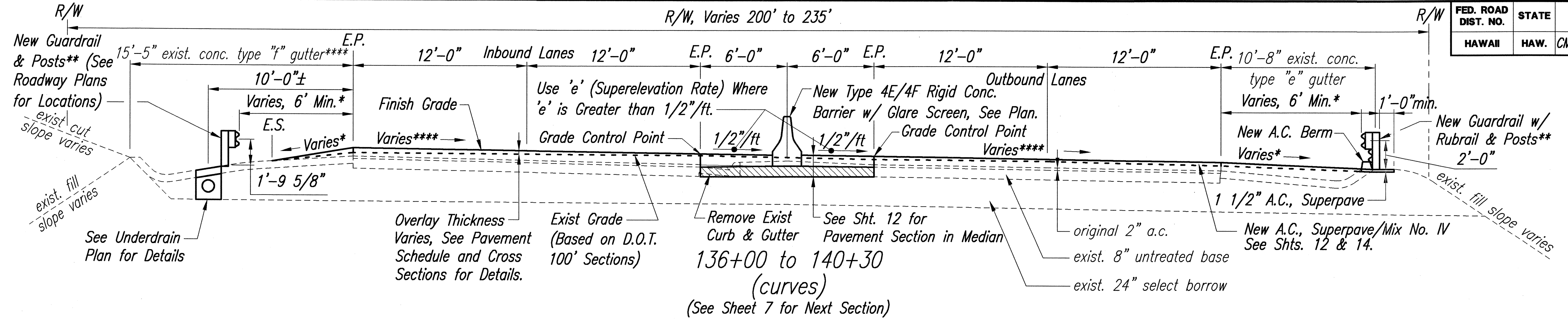
TYPICAL SECTIONS & DETAILS

LIKELIKE HIGHWAY RESURFACING
Emmeline Place to the Wilson Tunnel
F. A. Project No. CM-STP-063-1(21)
Scale: As Shown Date: December, 2001

SHEET No. 3 OF 9 SHEETS

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

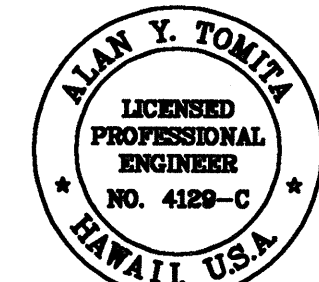
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CM-STP-063-1(21)	2002	9	187



- * See Cross Section for Detail.
- ** If Less than 2'-0" from Guardrail to Top of Slope, Install 8' Steel Posts. (See Cross Sections for Locations).
- *** Slope Varies at Superelevation and Crown Runoff.
- **** Transition From Type "F" Gutter to Spillways Not Shown.

- Notes:**
- See Cross Sections for Guardrail Locations.
 - Cold Plane Exist A.C. 1/2-inch Min. to Expose New Aggregate for Bonding with the New A.C. Layer.
 - See Sht. 12 for A.C. Berm Detail
 - See Sht. 14 for Shoulder Reconstruction Schedule

TYPICAL SECTION - LIKELIKE HIGHWAY
SCALE: 1/4"=1'-0"



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Alan Y. Tomita

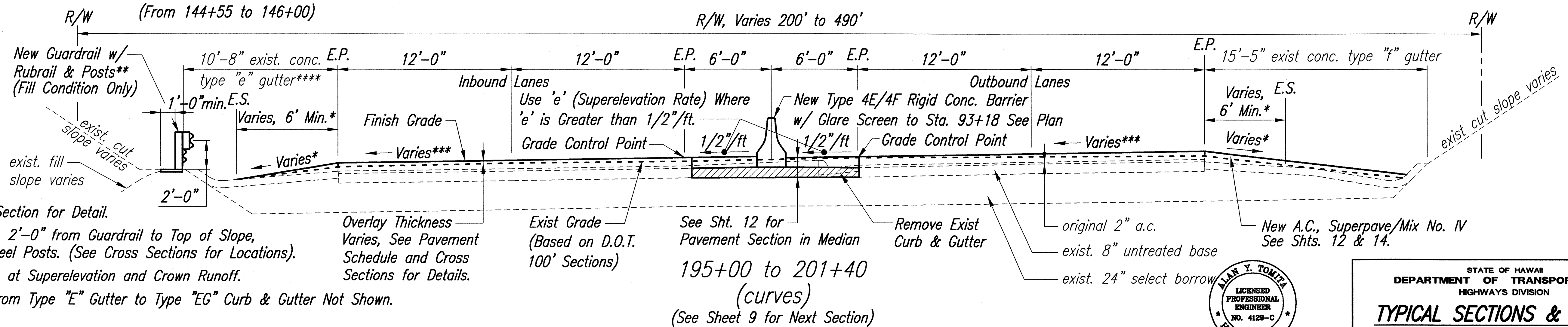
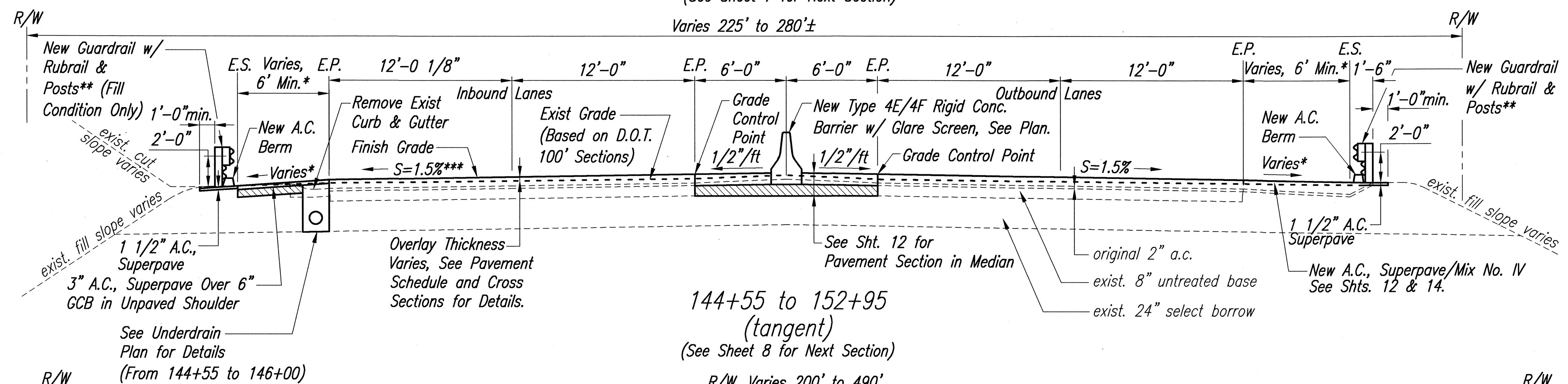
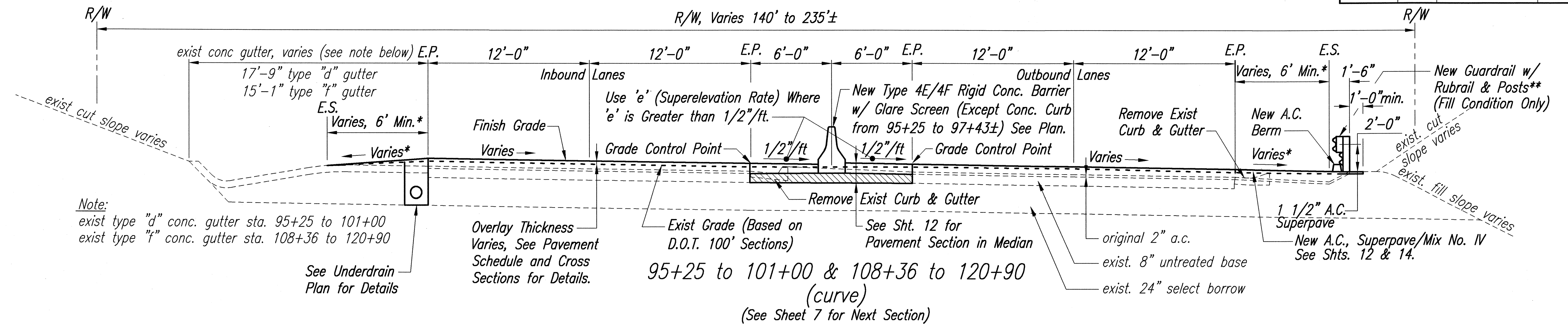
**STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
TYPICAL SECTIONS & DETAILS**

**LIKELIKE HIGHWAY RESURFACING
Emmeline Place to the Wilson Tunnel
F. A. Project No. CM-STP-063-1(21)**

Scale: As Shown Date: December, 2001

SHEET No. 4 OF 9 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CM-STP-063-1(21)	2002	10	187



- | | |
|---|---|
| <p>* See Cross Section for Detail.</p> <p>** If Less than 2'-0" from Guardrail to Top of Slope, Install 8' Steel Posts. (See Cross Sections for Locations).</p> <p>*** Slope Varies at Superelevation and Crown Runoff.</p> <p>**** Transition From Type "E" Gutter to Type "EG" Curb & Gutter Not Shown.</p> | <p>Overlay</p> <p>Varies, S</p> <p>Schedule</p> <p>Sections</p> |
|---|---|

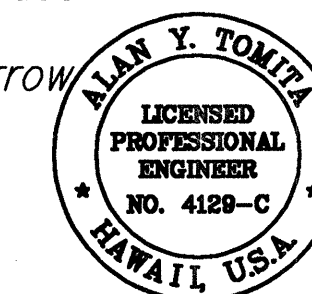
Notes:

1. See Cross Sections for Guardrail Locations.
2. Cold Plane Exist A.C. 1/2-inch Min. to Expose New Aggregate for Bonding with the New A.C. Layer.
3. See Sht. 12 for A.C. Berm Detail
4. See Sht. 14 for Shoulder Reconstruction Schedule

TYPICAL SECTION - LIKELIKE HIGHWAY

SCALE: $1/4" = 1'-0"$

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OR UNDER MY SUPERVISION.



Alan y Tereza

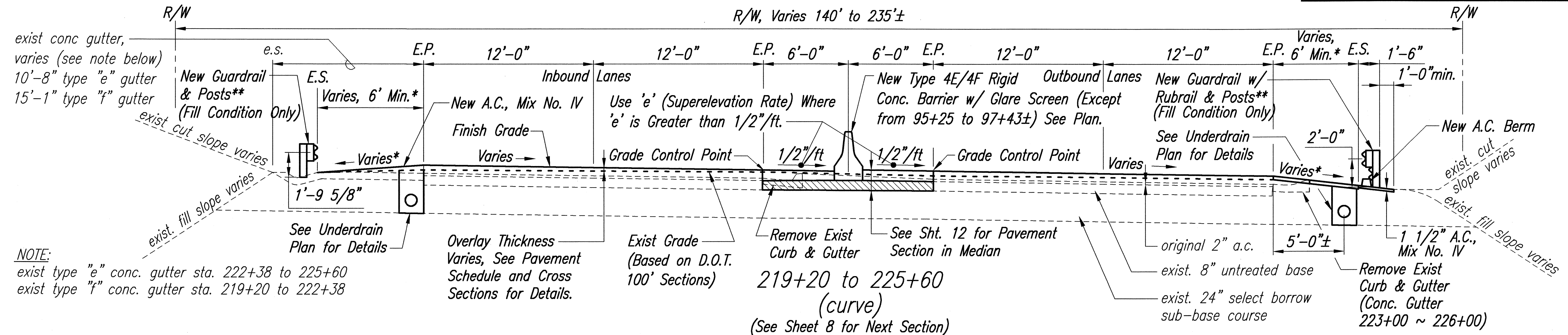
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TYPICAL SECTIONS & DETAILS

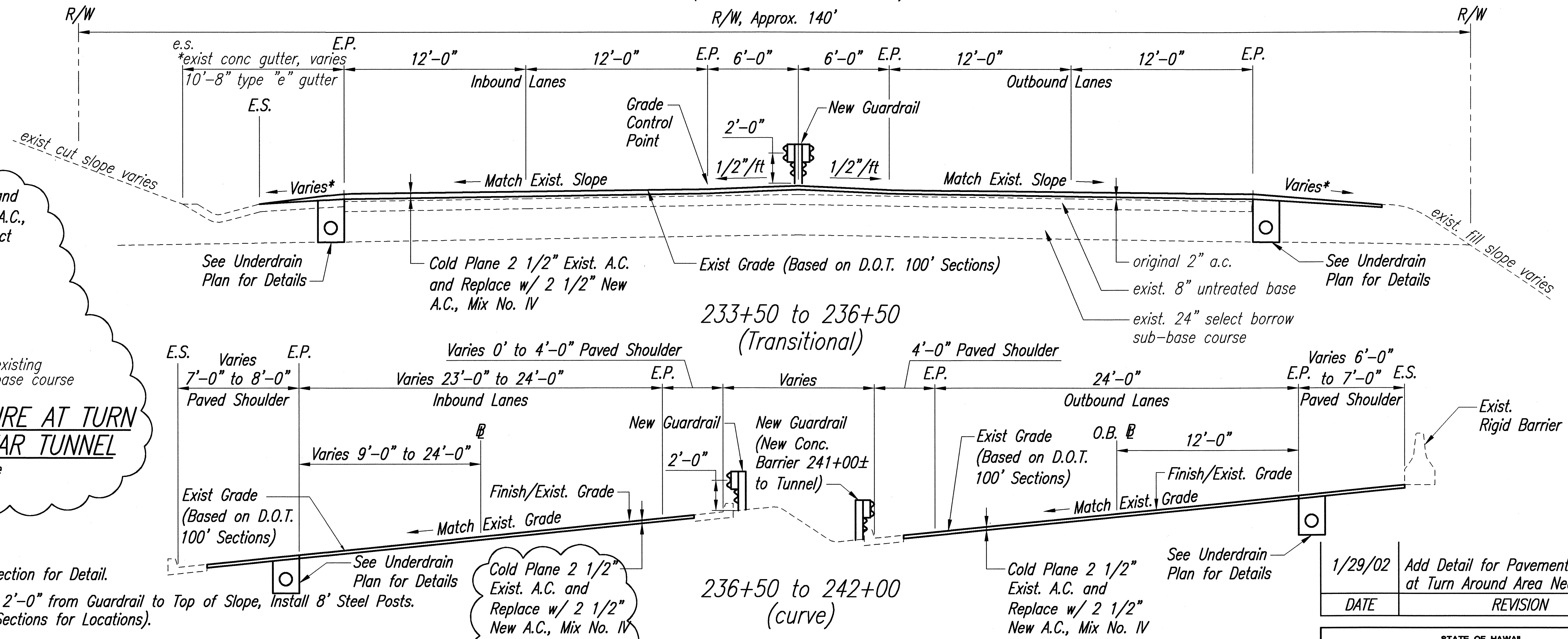
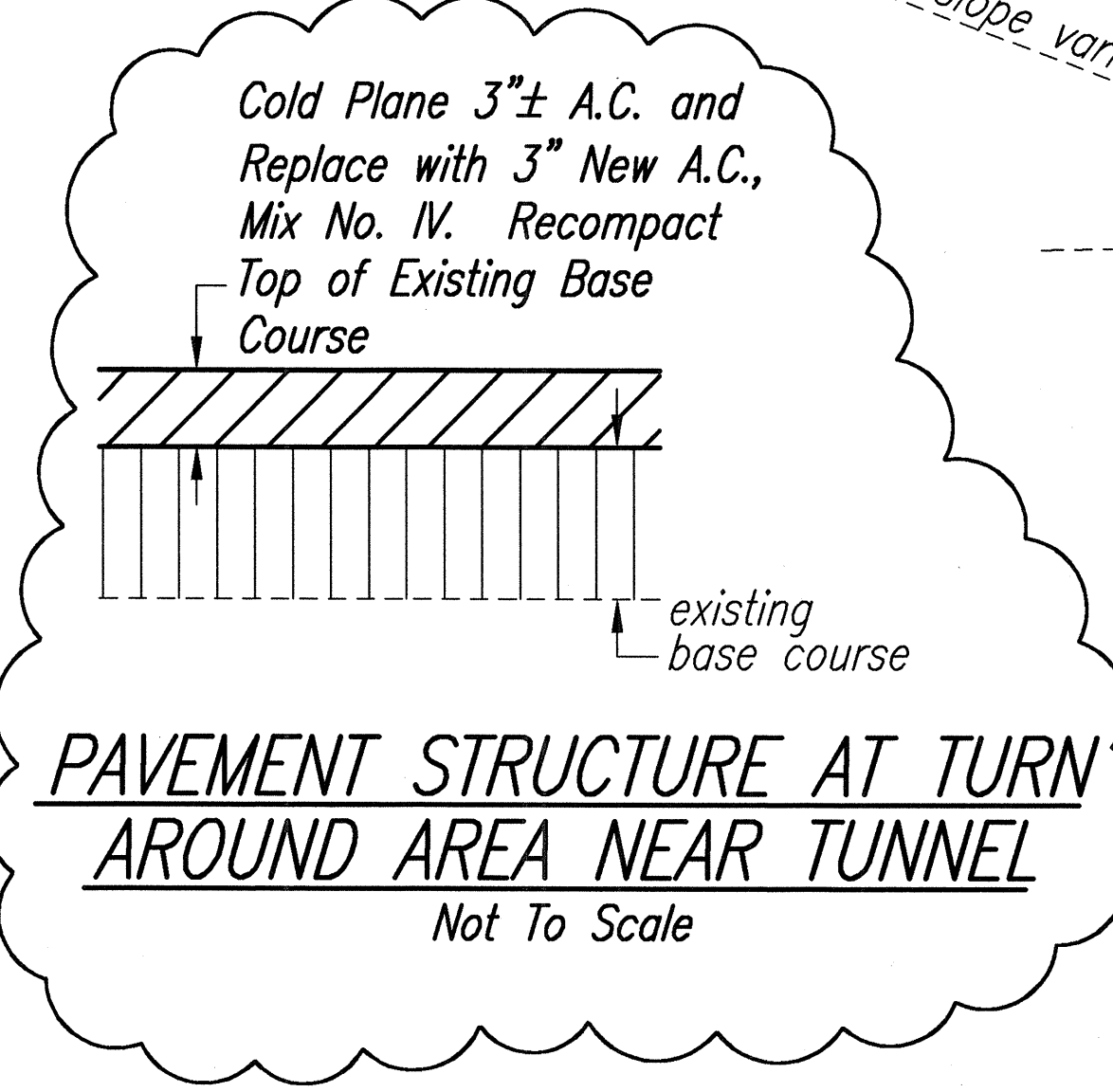
LIKELIKE HIGHWAY RESURFACING
Emmeline Place to the Wilson Tunnel
F. A. Project No. CM-STP-063-1(21)

Scale: As Shown Date: December, 2001

SHEET No. 5 OF 9 SHEETS



NOTE:
 exist type "e" conc. gutter sta. 222+38 to 225+60
 exist type "f" conc. gutter sta. 219+20 to 222+38

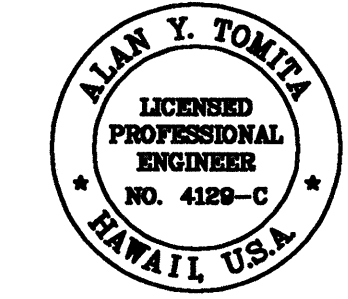


- * See Cross Section for Detail.
- ** If Less than 2'-0" from Guardrail to Top of Slope, Install 8' Steel Posts. (See Cross Sections for Locations).
- *** Slope Varies at Superelevation and Crown Runoff.
- **** Transition From Type "E" Gutter to Type "EG" Curb & Gutter Not Shown.

- Notes:**
1. See Cross Sections for Guardrail Locations.
 2. Cold Plane Exist A.C. 1/2-inch Min. to Expose New Aggregate for Bonding with the New A.C. Layer.
 3. See Sht. 12 for A.C. Berm Detail
 4. See Sht. 14 for Shoulder Reconstruction Schedule

Cold Plane 2 1/2" Exist. A.C. and Replace w/ 2 1/2" New A.C., Mix No. IV For Pav't Structure of Turn Around Area Near the Tunnel, See Detail This Sheet.

TYPICAL SECTION - LIKELIKE HIGHWAY
SCALE: 1/4"=1'-0"



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 Alan Y. Tomita

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

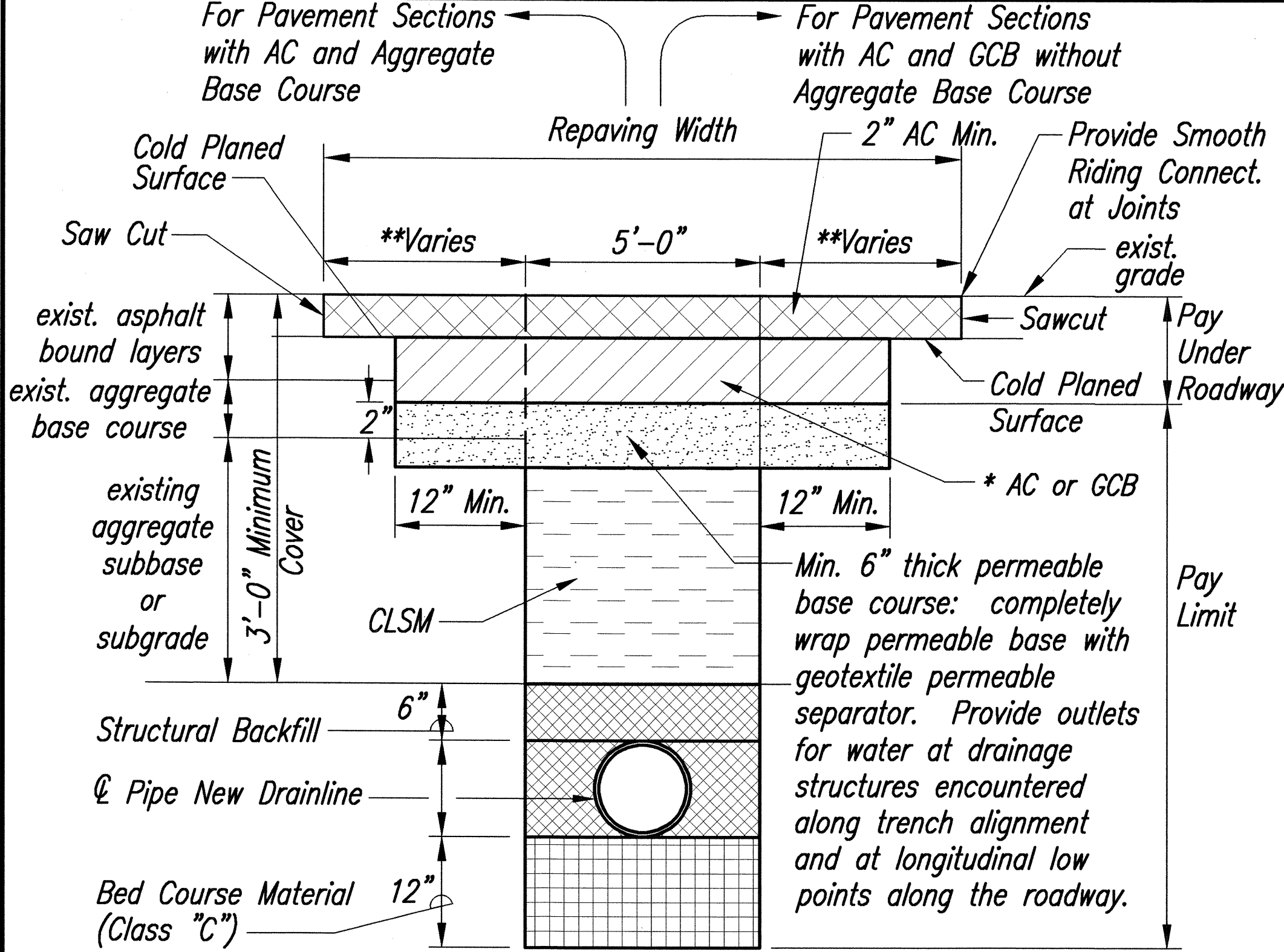
TYPICAL SECTIONS & DETAILS

LIKELIKE HIGHWAY RESURFACING
 Emmeline Place to the Wilson Tunnel
 F. A. Project No. CM-STP-063-1(21)

Scale: As Shown Date: December, 2001

SHEET No. 6 OF 9 SHEETS

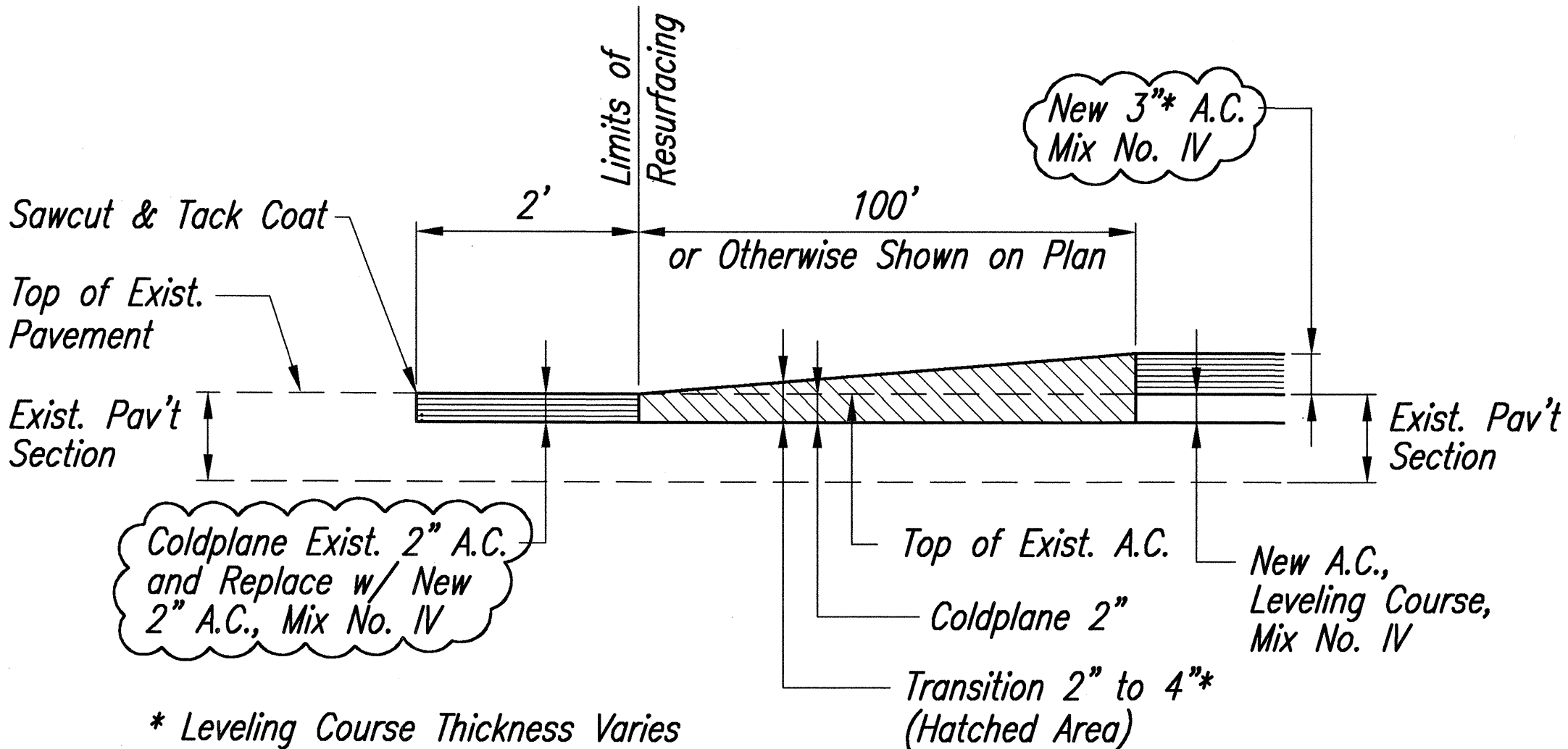
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CM-STP-063-1(21)	2002	ADD 12	187



- NOTES:**
1. This trench restoration is to be used wherever the pavement is an asphalt surface, including medians and paved areas between guardrails.
 2. Tack coat existing asphalt bound material faces prior to filling excavation with asphalt bound material.
- NOTES:**
1. When thickness less than 6" use AC.
 2. When thickness 6" or greater, use GCB or AC.
- NOTES:**
1. If trench aligned traverse to direction of travel, 1 foot on each side of trench.
 2. If trench aligned along direction of travel, to edge of lane in which edge of trench is located.
 3. Smoothness of paved surfaces: The distance from the paved surface to the testing edge of a ten-foot straight edge between two points of contact shall not exceed 3/16".

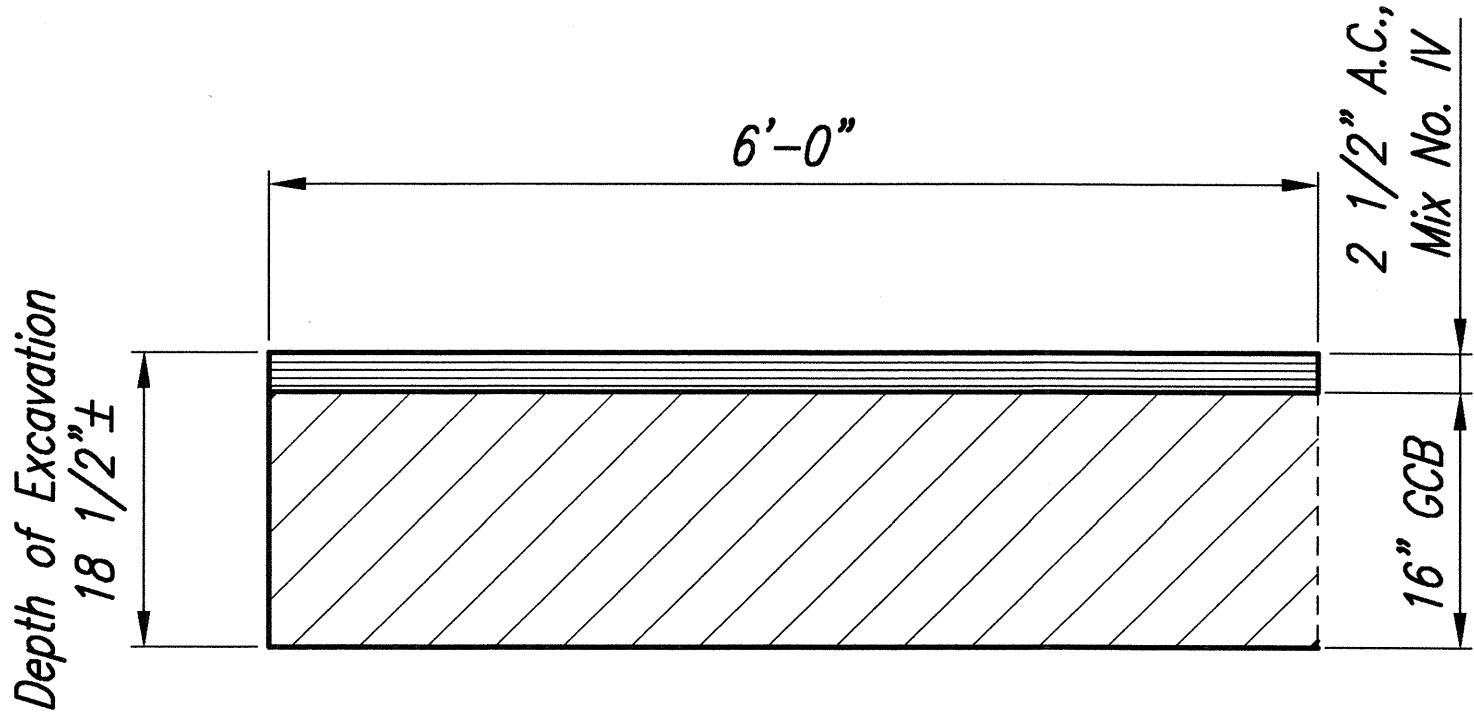
TRENCH RESTORATION DETAIL

Not to Scale



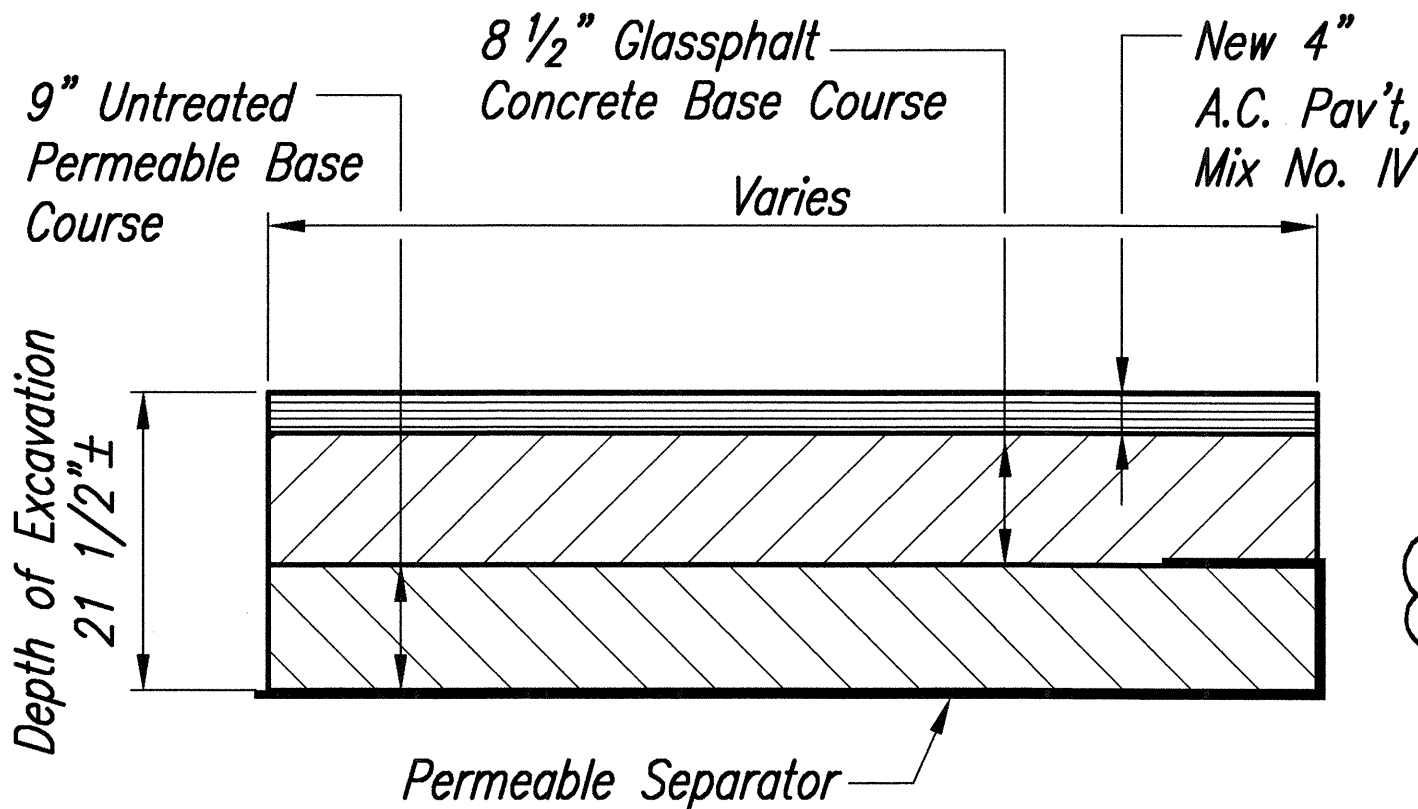
TRANSITION & CONNECTION TO EXISTING A.C. PAVEMENT DETAIL

Not to Scale



PAVEMENT RECONSTRUCTION DETAIL AT STATION 239+40±

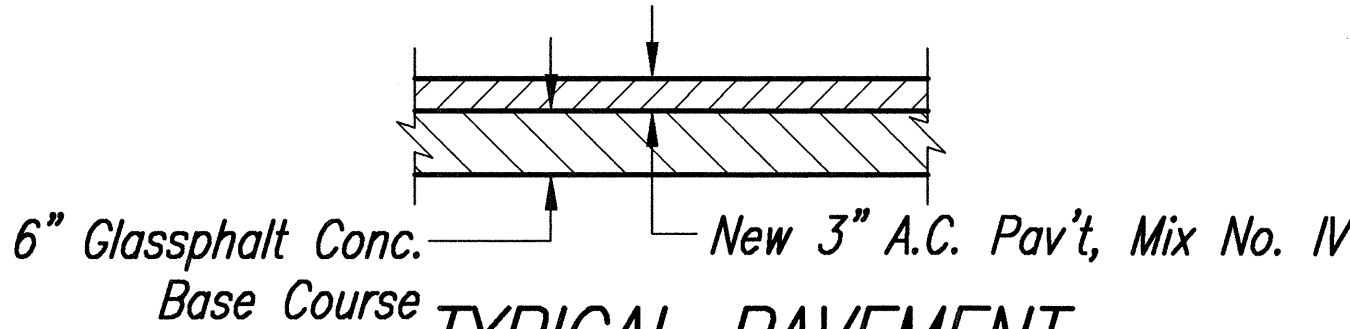
Not To Scale



PAVEMENT RECONSTRUCTION DETAIL AT UNDERDRAIN SECTIONS

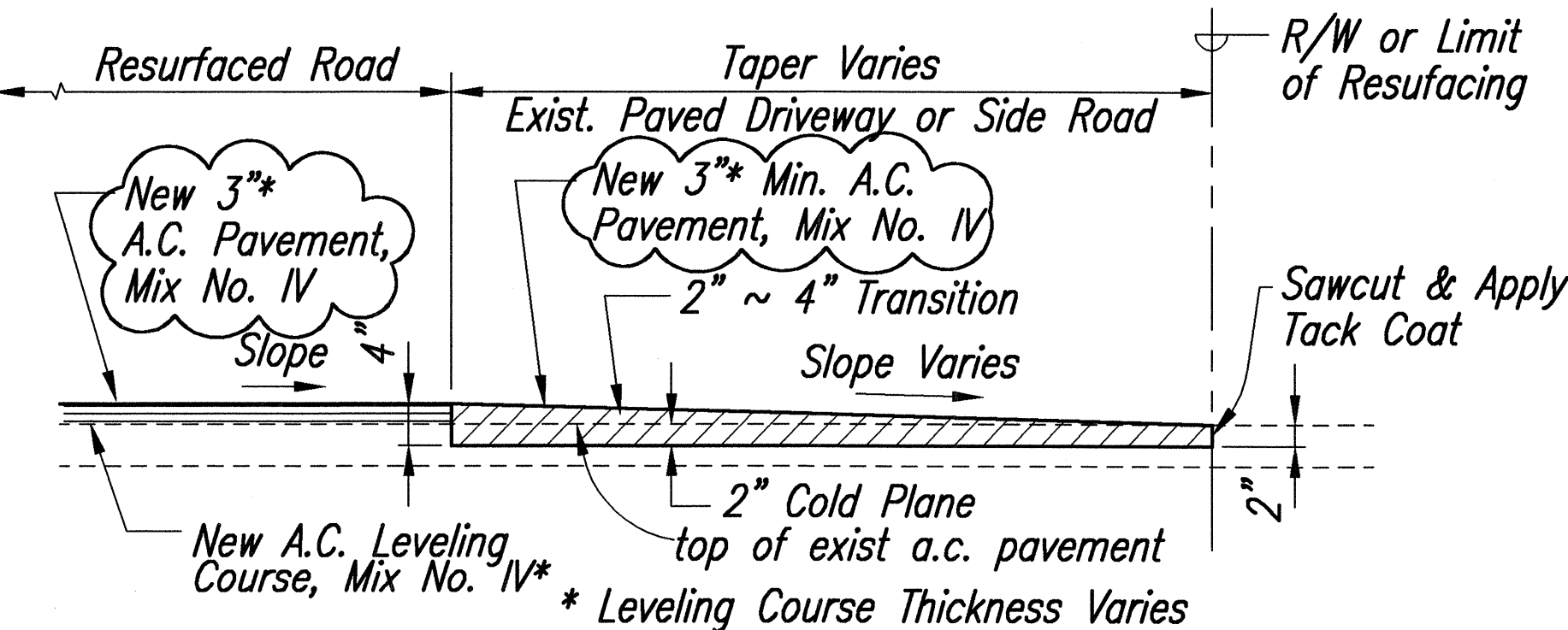
Not To Scale

(Stations 166+00±~168+00±, 75+45±~77+30±)



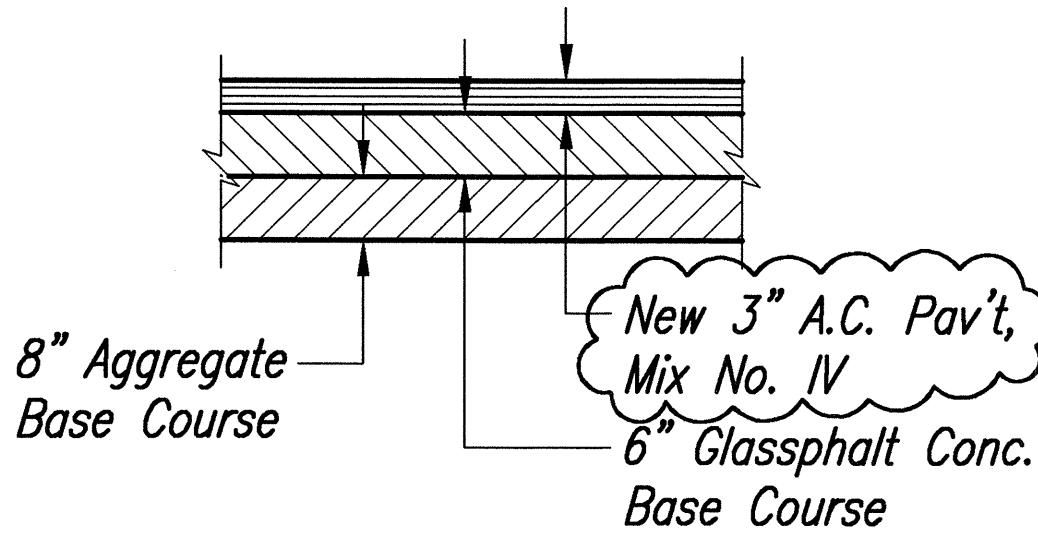
TYPICAL PAVEMENT RECONSTRUCTION DETAIL

Not to Scale



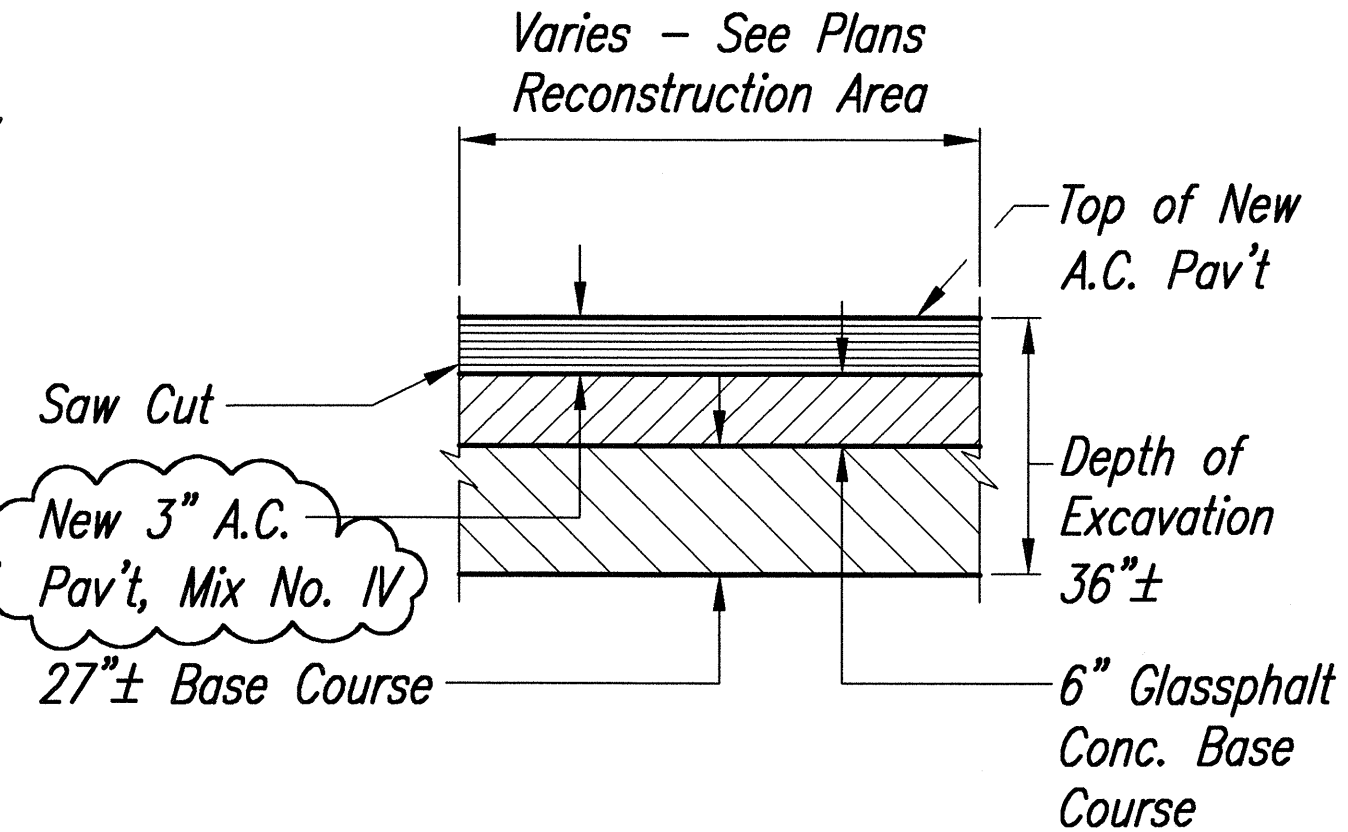
A.C. RESURFACING AT PAVED SIDE ROAD & DRIVEWAY

Not to Scale



PAVEMENT RECONSTRUCTION DETAIL IN MEDIAN

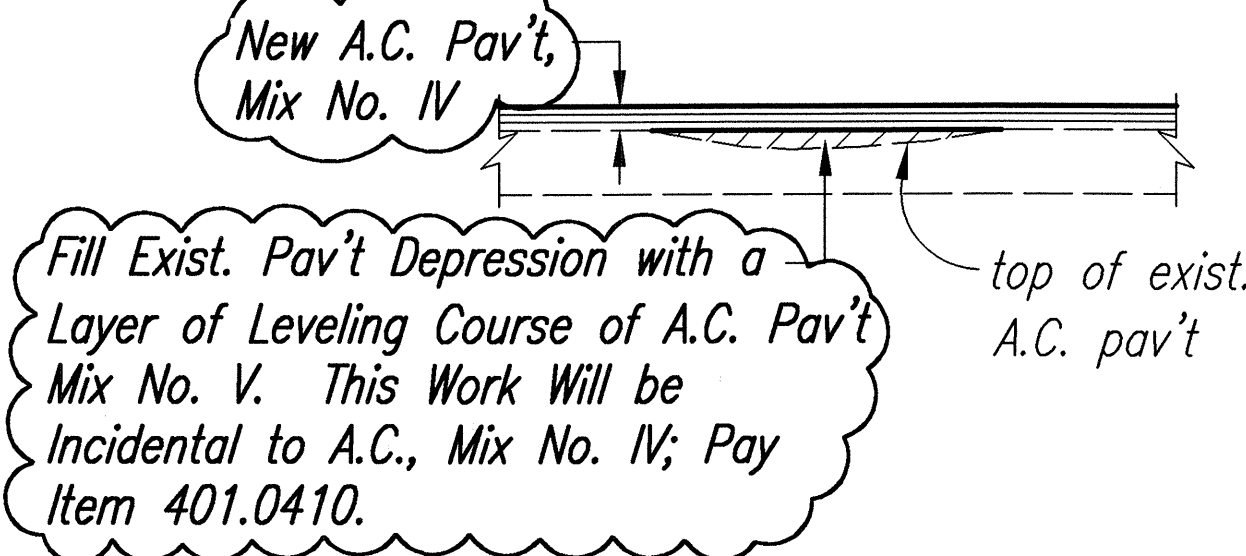
Not to Scale



PAVEMENT RECONSTRUCTION DETAIL FOR SLOPE NEAR EMMELINE PL.

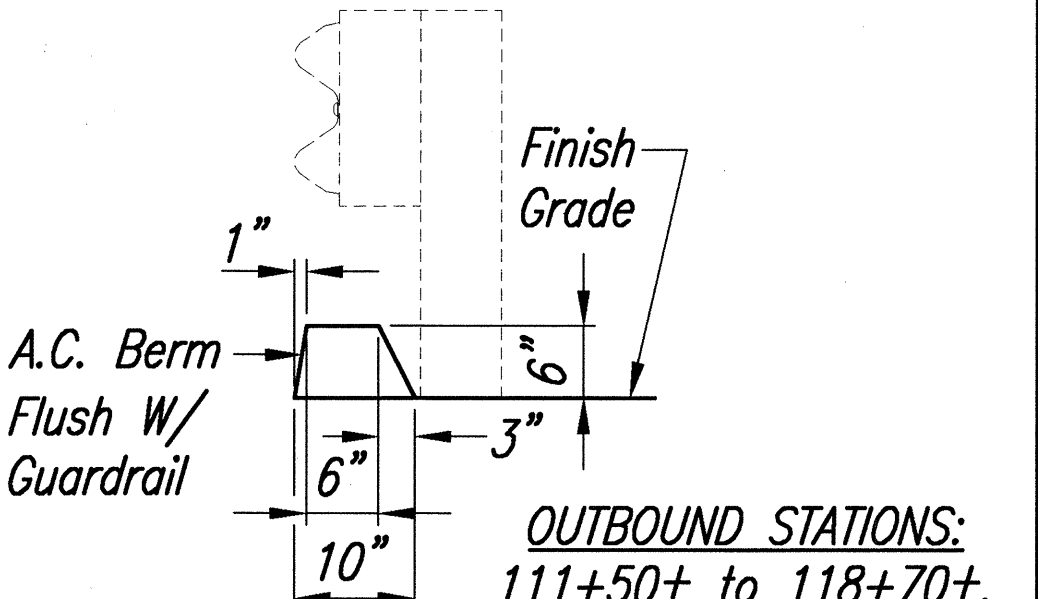
Not to Scale

(Outbound Stations 82+00± to 84+50±)



LEVELING COURSE DETAIL

Not to Scale

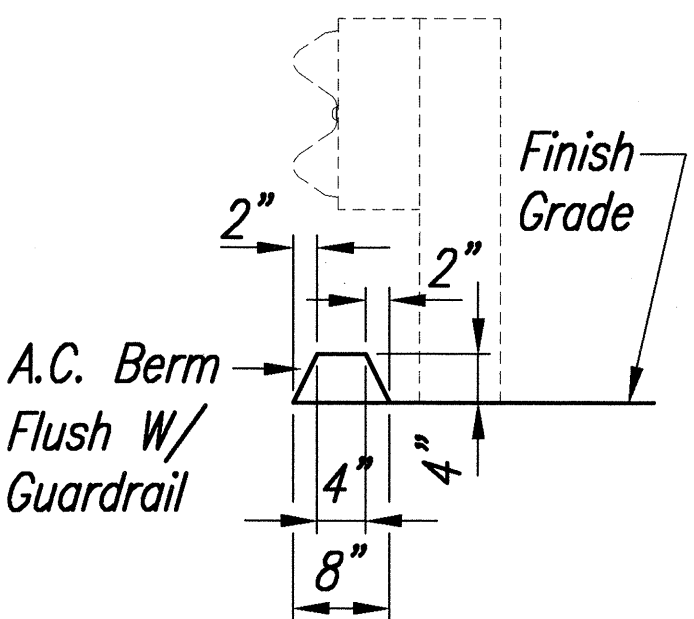


OUTBOUND STATIONS:
111+50± to 118+70±,
121+00± to 129+00±,
140+00± to 152+95±,
183+80± to 187+05±,
213+86± to 219+95±
& 228+20± to 232+50± & 226+18± to 233+05±

INBOUND STATIONS:
146+80± to 152+80±,
183+78± to 187+40±

A.C. BERM DETAIL "A"

Not to Scale



STATIONS:

Other Than Shown Above

A.C. BERM DETAIL "B"

Not to Scale

DATE	REVISION
2/1/02	Revise Pay Item to 401.0410. Revise "Superpave" to "Mix No. IV"

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
TYPICAL SECTIONS & DETAILS

LIKELIKE HIGHWAY RESURFACING
Emmeline Place to the Wilson Tunnel
F. A. Project No. CM-STP-063-1(21)
Scale: As Shown Date: December, 2001
SHEET No. 7 OF 9 SHEETS

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Alan Y. Tomita

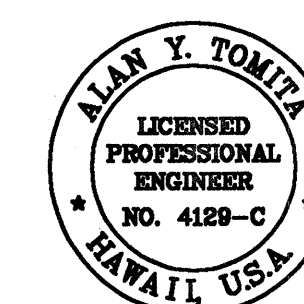
ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DESIGNED BY	
QUANTITIES BY	CHECKED BY	
No.		

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CM-STP-063-1(21)	2002	13	187

PAVEMENT SCHEDULE					
STATION		INBOUND		OUTBOUND	
FROM	TO	COLD PLANE (in.)	LEVELING COURSE (in.)	COLD PLANE (in.)	LEVELING COURSE (in.)
80+00	81+00				
81+00	82+00				
82+00	83+00	0.5 - 2.0	0 - 2.0	0.5	1.0 - 4.5
83+00	84+00	0.5 - 2.0	0 - 2.0	0.5	1.0 - 4.0
84+00	85+00	0.5 - 1.0	0 - 2.5	0.5 - 1.0	0 - 3.0
85+00	86+00	0.5 - 1.0	0 - 4.5	0.5 - 1.0	0 - 2.5
86+00	87+00	0.5 - 1.0	0 - 4.5	0.5	0.5 - 4.5
87+00	88+00	0.5 - 1.0	0 - 4.0	0.5	0.5 - 6.0
88+00	89+00	0.5 - 3.0	0 - 2.0	0.5 - 2.0	0 - 6.0
89+00	90+00	0.5 - 3.0	0 - 3.5	0.5 - 3.0	0 - 4.5
90+00	91+00	0.5 - 2.5	0 - 3.5	0.5 - 3.0	0 - 5.0
91+00	92+00	0.5 - 1.0	0 - 2.0	0.5 - 1.5	0 - 5.5
92+00	93+00	0.5 - 1.0	0 - 2.0	0.5 - 1.5	0 - 5.5
93+00	94+00	0.5	0.5 - 5.5	1.0 - 3.5	0
94+00	95+00	0.5	0.5 - 5.5	0.5 - 3.5	0 - 2.5
95+00	96+00	0.5	0.5 - 4.5	0.5 - 2.5	0 - 2.5
96+00	97+00	0.5 - 3.5	0 - 4.5	0.5 - 1.0	0 - 9.0
97+00	98+00	0.5 - 3.5	0 - 1.5	0.5 - 1.0	0 - 9.0
98+00	99+00	0.5 - 1.0	0 - 2.0	0.5 - 3.0	0 - 4.0
99+00	100+00	0.5 - 1.0	0 - 2.0	1.5 - 3.5	0
100+00	101+00	0.5 - 1.0	0 - 2.0	1.0 - 3.5	0
101+00	102+00	0.5 - 1.0	0 - 5.0	0.5 - 2.0	0 - 3.5
102+00	103+00	0.5	3.5 - 6.0	0.5	3.0 - 9.5
103+00	104+00	0.5 - 7.0	0 - 6.0	0.5 - 4.5	0 - 4.5
104+00	105+00	0.5 - 8.5	0 - 4.5	0 - 4.5	0 - 8.0
105+00	106+00	0.5 - 11.0	0 - 4.5	0.5	1.5 - 8.0
106+00	107+00	1.0 - 11.0	0	0.5 - 3.0	0 - 3.0
107+00	108+00	3.5 - 7.0	0	2.5 - 3.5	0
108+00	109+00	2.0 - 6.5	0	0.5 - 3.5	0 - 0.5
109+00	110+00	0.5 - 5.5	0 - 2.5	0.5 - 1.0	0 - 1.0
110+00	111+00	0.5	1.0 - 4.0	0.5	0 - 4.5
111+00	112+00	0.5	2.5 - 4.0	0.5	1.5 - 4.5
112+00	113+00	0.5	2.5 - 3.5	0.5	1.5 - 3.5
113+00	114+00	0.5	2.5 - 4.0	0.5	1.5 - 4.5
114+00	115+00	0.5	2.5 - 4.0	0.5	2.0 - 6.0
115+00	116+00	0.5	2.0 - 3.0	0.5	0.5 - 6.0
116+00	117+00	0.5	0.5 - 2.0	0.5 - 1.0	0 - 4.0
117+00	118+00	0.5 - 1.0	0 - 2.0	0.5 - 1.5	0 - 1.0
118+00	119+00	0.5 - 1.0	0 - 2.0	0.5 - 1.5	0 - 4.0
119+00	120+00	0.5 - 1.5	0 - 1.5	0.5	0.5 - 4.0
120+00	121+00	1.0 - 2.0	0	0.5 - 2.5	0 - 2.0
121+00	122+00	1.0 - 2.0	0	0.5 - 2.5	0 - 0.5
122+00	123+00	1.0 - 1.5	0	0.5 - 1.5	0 - 0.5
123+00	124+00	0.5 - 1.5	0 - 2.5	0.5 - 2.0	0 - 0.5
124+00	125+00	0.5 - 1.0	0 - 3.5	0.5 - 2.0	0 - 0.5
125+00	126+00	0.5 - 1.5	0 - 3.5	0.5 - 2.0	0 - 0.5
126+00	127+00	0.5 - 1.5	0 - 2.0	0.5 - 2.0	0 - 0.5
127+00	128+00	0.5	0.5 - 2.0	0.5 - 1.0	0 - 0.5
128+00	129+00	0.5 - 2.0	0 - 1.5	0.5 - 1.0	0 - 0.5
129+00	130+00	0.5 - 2.5	0	0.5 - 2.5	0

PAVEMENT SCHEDULE					
STATION		INBOUND		OUTBOUND	
FROM	TO	COLD PLANE (in.)	LEVELING COURSE (in.)	COLD PLANE (in.)	LEVELING COURSE (in.)
130+00	131+00	0.5 - 2.5	0 - 1.5	0.5 - 2.5	0 - 3.0
131+00	132+00	0.5 - 2.5	0 - 1.5	0.5	0.5 - 3.0
132+00	133+00	0.5 - 1.0	0 - 2.5	0.5 - 2.0	0 - 1.5
133+00	134+00	0.5	0.5 - 2.5	1.0 - 2.0	0
134+00	135+00	0.5 - 2.0	0 - 1.5	0.5 - 2.0	0 - 3.5
135+00	136+00	0.5 - 2.0	0. - 2.5	0.5 - 1.0	0 - 3.5
136+00	137+00	0.5	2.5 - 3.5	0.5	0.5 - 2.0
137+00	138+00	0.5	2.0 - 4.0	0.5	1.0 - 2.0
138+00	139+00	0.5	2.0 - 4.0	0.5	0.5 - 1.5
139+00	140+00	0.5	1.5 - 4.0	0.5 - 1.5	0 - 1.5
140+00	141+00	0.5	0.5 - 3.0	0.5 - 1.5	0 - 2.5
141+00	142+00	0.5	0.5 - 4.0	0.5 - 1.0	0 - 3.0
142+00	143+00	0.5	0.5 - 4.0	0.5 - 1.5	0 - 4.5
143+00	144+00	0.5	0.5 - 1.5	0.5 - 1.5	0 - 5.5
144+00	145+00	0.5 - 1.5	0 - 1.0	0.5 - 2.5	0 - 5.5
145+00	146+00	0.5 - 1.5	0 - 1.0	0.5 - 2.5	0 - 2.5
146+00	147+00	0.5 - 1.0	0 - 1.5	0.5 - 2.0	0 - 2.5
147+00	148+00	0.5	1.0 - 1.5	0.5 - 1.5	0 - 2.5
148+00	149+00	0.5	0.5 - 1.5	0.5 - 1.5	0 - 2.5
149+00	150+00	0.5	0.5 - 2.0	0.5 - 1.5	0 - 2.5
150+00	151+00	0.5	0.5 - 2.0	0.5 - 1.0	0 - 3.5
151+00	152+00	0.5	0.5 - 1.5	0.5 - 1.0	0 - 3.5
152+00	153+00	0.5	1.0 - 1.5	0.5 - 2.5	0 - 3.5
153+00	154+00	0.5 - 1.5	0 - 2.0	1.0 - 2.5	0
154+00	155+00	0.5 - 2.0	0 - 2.0	0.5 - 3.5	0 - 0.5
155+00	156+00	0.5 - 2.0	0 - 1.5	0.5 - 3.5	0 - 3.0
156+00	157+00	0.5 - 1.0	0 - 2.5	0.5 - 2.0	0 - 3.5
157+00	158+00	0.5	0.5 - 3.0	0.5 - 2.5	0 - 3.5
158+00	159+00	0.5 - 1.5	0 - 3.0	0.5 - 2.5	0 - 1.5
159+00	160+00	0.5 - 1.5	0 - 3.0	0.5 - 2.0	0 - 4.0
160+00	161+00	0.5 - 2.5	0 - 3.0	0.5	2.5 - 5.0
161+00	162+00	0.5 - 2.5	0 - 0.5	0.5	1.0 - 5.0
162+00	163+00	0.5 - 3.0	0 - 0.5	0.5 - 2.0	0 - 3.5
163+00	164+00	0.5 - 3.0	0 - 0.5	0.5 - 3.5	0 - 0.5
164+00	165+00	0.5 - 2.5	0 - 1.0	0.5 - 3.5	0 - 4.5
165+00	166+00	0.5	0 - 3.5	0.5	1.0 - 6.5
166+00	167+00	0.5 - 2.0	0 - 3.5	0.5 - 2.5	0 - 6.5
167+00	168+00	0.5 - 2.5	0 - 1.0	0.5 - 3.5	0 - 1.5
168+00	169+00	0.5 - 2.5	0 - 1.5	0.5 - 3.5	0 - 2.5
169+00	170+00	0.5	0.5 - 3.5	0.5 - 1.5	0 - 3.5
170+00	171+00	0.5	2.0 - 3.5	0.5 - 1.5	0 - 3.5
171+00	172+00	0.5 - 1.5	0 - 2.5	0.5 - 3.0	0 - 2.0
172+00	173+00	1.0 - 2.5	0	0.5 - 3.0	0 - 4.0
173+00	174+00	0.5 - 2.5	0 - 5.0	0.5	0.5 - 9.5
174+00	175+00	0.5 - 1.0	0 - 5.0	0.5	0.5 - 9.5
175+00	176+00	0.5 - 1.5	0 - 1.0	0.5 - 2.5	0 - 5.0
176+00	177+00	0.5 - 1.5	0 - 1.5	1.5 - 2.5	0
177+00	178+00	0.5	0.5 - 2.0	1.5 - 2.5	0
178+00	179+00	0.5	2.0 - 7.0	0.5 - 1.5	0 - 4.0
179+00	180+00	0.5 - 1.0	0 - 7.0	0.5 - 1.5	0 - 4.0

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



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.

Alan y Gernik

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAVEMENT SUMMARY & DETAILS

LIKELIKE HIGHWAY RESURFACING
Emmeline Place to the Wilson Tunnel
F. A. Project No. CM-STP-063-1(21)

Scale: As Shown Date: December, 2001

SHEET No. 8 OF 9 SHEETS

Doc: hwy024r05 COF-SPECIAL MAINT PROJECTS\8850 LIKELIKE HWY RESURF.41IK006-014.TYP SECT&DET.dwg December 11, 2001 11:32AM HikiJUT

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CM-STP-063-1(21)	2002	ADD 14	187

PAVEMENT SCHEDULE

STATION		INBOUND		OUTBOUND	
FROM	TO	COLD PLANE (in.)	LEVELING COURSE (in.)	COLD PLANE (in.)	LEVELING COURSE (in.)
180+00	181+00	0.5 - 1.0	0 - 1.5	1.0 - 2.5	0
181+00	182+00	0.5 - 1.0	0 - 1.5	1.0 - 3.5	0
182+00	183+00	0.5	0.5 - 2.0	2.5 - 4.0	0
183+00	184+00	0.5	1.0 - 2.0	0.5 - 4.0	0 - 3.5
184+00	185+00	0.5	1.0 - 4.0	0.5	1.0 - 8.5
185+00	186+00	0.5	0.5 - 4.0	0.5	4.0 - 8.5
186+00	187+00	0.5 - 1.0	0 - 1.0	0.5	1.5 - 8.5
187+00	188+00	0.5 - 2.0	0 - 1.0	0.5 - 2.5	0 - 6.0
188+00	189+00	1.0 - 2.0	0	0.5 - 2.5	0 - 2.5
189+00	190+00	0.5 - 1.5	0 - 1.5	0.5 - 1.5	0 - 3.5
190+00	191+00	0.5	0 - 5.5	0.5	1.0 - 6.0
191+00	192+00	0.5	1.5 - 5.5	0.5	1.5 - 8.5
192+00	193+00	0.5 - 1.5	0 - 2.5	0.5	1.0 - 8.5
193+00	194+00	0.5 - 2.5	0 - 1.0	0.5	1.0 - 7.0
194+00	195+00	1.0 - 3.5	0	0.5	1.5 - 7.0
195+00	196+00	3.0 - 4.5	0	0.5	0 - 5.0
196+00	197+00	2.0 - 4.5	0	0.5	0 - 4.5
197+00	198+00	0.5 - 2.0	0	0.5	1.5 - 6.0
198+00	199+00	0.5 - 1.0	0 - 1.0	0.5	2.0 - 6.0
199+00	200+00	0.5	0 - 1.0	0.5	1.0 - 6.0
200+00	201+00	0.5	0.5 - 1.0	0.5	0.5 - 8.0
201+00	202+00	0.5	1.0 - 2.0	0.5	0.5 - 12.0
202+00	203+00	0.5	1.0 - 2.0	0.5	1.5 - 12.0
203+00	204+00	0.5	1.0 - 1.5	0.5 - 1.5	0 - 6.0
204+00	205+00	0.5 - 1.0	0 - 1.0	0.5 - 2.0	0 - 4.5
205+00	206+00	0.5 - 1.0	0 - 1.0	0.5 - 2.0	0 - 5.5
206+00	207+00	0.5	0.5 - 1.5	0.5	1.5 - 6.5
207+00	208+00	0.5 - 1.0	0 - 1.5	0.5	0.5 - 6.5
208+00	209+00	0.5 - 1.0	0 - 1.5	0.5 - 1.5	0 - 4.0
209+00	210+00	0.5 - 1.5	0 - 1.0	0.5 - 1.5	0 - 2.0
210+00	211+00	0.5 - 1.5	0 - 1.0	0.5 - 2.5	0 - 3.0
211+00	212+00	0.5 - 1.5	0 - 1.5	0.5 - 2.5	0 - 3.0
212+00	213+00	0.5 - 1.0	0 - 2.5	0.5 - 2.5	0 - 3.0
213+00	214+00	0.5	1.0 - 3.0	0.5 - 1.0	0 - 5.0
214+00	215+00	0.5	1.5 - 3.0	0.5	1.0 - 5.0
215+00	216+00	0.5	0.5 - 2.0	0.5	0.5 - 3.5
216+00	217+00	0.5	0 - 1.5	0.5 - 1.5	0 - 3.0
217+00	218+00	0.5	0 - 1.5	0.5 - 1.5	0 - 4.5
218+00	219+00	0.5 - 1.5	0 - 1.5	0.5 - 2.0	0 - 4.5
219+00	220+00	0.5 - 1.5	0 - 1.0	0.5 - 4.0	0 - 1.0
220+00	221+00	0.5 - 2.5	0 - 1.5	2.0 - 4.0	0
221+00	222+00	0.5 - 2.5	0 - 1.5	0.5 - 2.5	0 - 4.5
222+00	223+00	0.5 - 3.0	0 - 1.0	0.5 - 1.0	0 - 8.5
223+00	224+00	1.5 - 3.5	0	0.5 - 1.0	0 - 8.5
224+00	225+00	3.0 - 4.5	0	0.5 - 1.5	0 - 6.0
225+00	226+00	2.0 - 4.5	0	0.5 - 1.5	0 - 6.0
226+00	227+00	1.5 - 3.0	0	0.5 - 1.5	0 - 6.0
227+00	228+00	0.5 - 1.5	0 - 0.5	0.5 - 3.0	0 - 2.0
228+00	229+00	0.5 - 1.5	0 - 0.5	0.5 - 3.0	0 - 2.0
229+00	230+00	0.5 - 1.5	0 - 0.5	0.5 - 3.5	0 - 1.5

PAVEMENT SCHEDULE

STATION		INBOUND		OUTBOUND	
FROM	TO	COLD PLANE (in.)	LEVELING COURSE (in.)	COLD PLANE (in.)	LEVELING COURSE (in.)
230+00	231+00	1.0 - 2.0	0	0.5 - 3.5	0 - 1.0
231+00	232+00	0.5 - 2.0	0 - 1.0	0.5 - 2.5	0 - 2.0
232+00	233+00	0.5 - 1.5	0 - 2.0	0.5 - 1.0	0 - 3.0
233+00	234+00	0.5 - 1.5	0 - 2.5	0.5	0.5 - 7.0
234+00	235+00	0.5 - 2.5	0 - 2.5	0.5	1.0 - 9.5
235+00	236+00	0.5 - 2.5	0 - 2.0	0.5 - 1.0	0 - 9.5
236+00	237+00	0.5 - 1.5	0 - 2.5	0.5 - 5.5	0 - 11.5
237+00	238+00	0.5 - 3.5	0 - 2.5	0.5 - 5.5	0 - 11.5
238+00	239+00	0.5 - 3.5	0 - 1.0	0.5 - 5.0	0 - 4.5

CONCRETE MEDIAN BARRIER SCHEDULE

STATION		CONCRETE BARRIER TYPE
FROM	TO	
97+43	131+90	4F
131+90	132+10	4E
132+10	144+00	4F
144+00	149+40	4E
149+40	164+70	4F
164+70	166+10	4E
166+10	185+00	4F
185+00	186+00	4E
186+00	190+80	4F
190+80	191+30	4E
191+30	205+70	4F
205+70	207+40	4E
207+40	232+26	4F

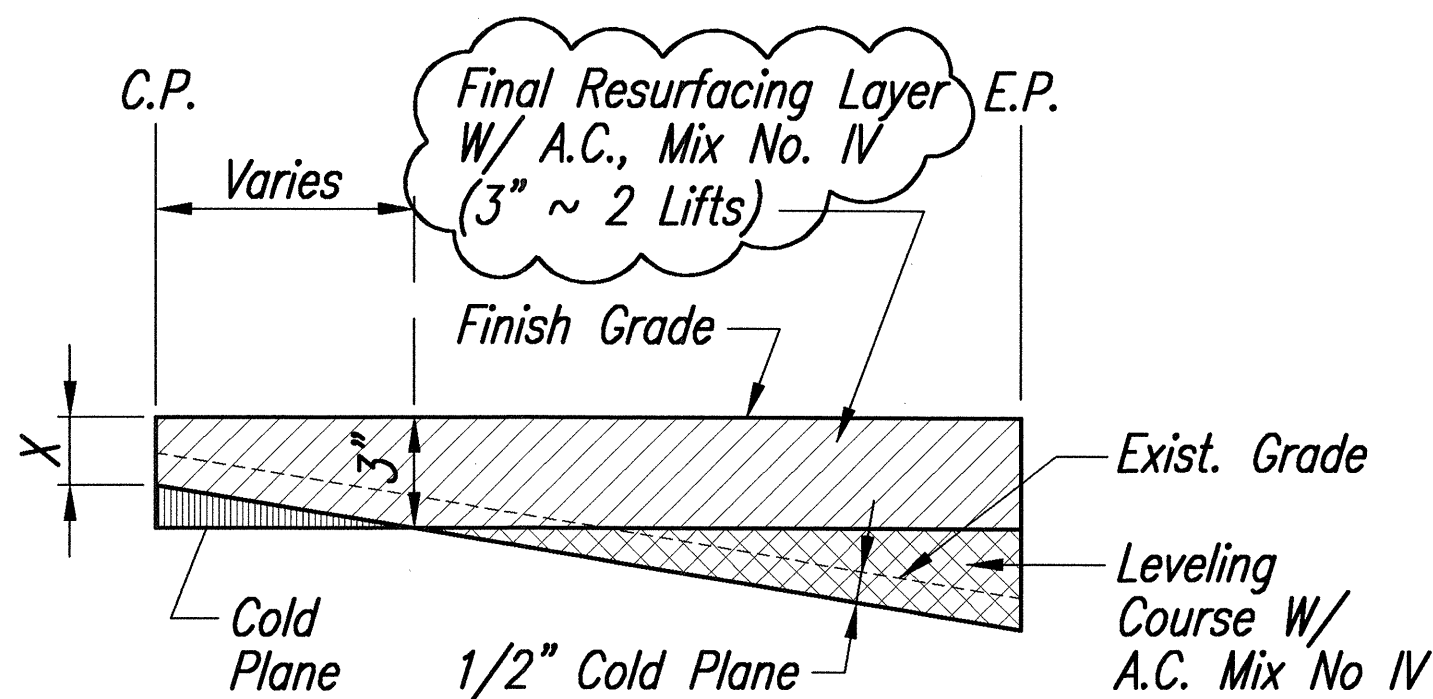
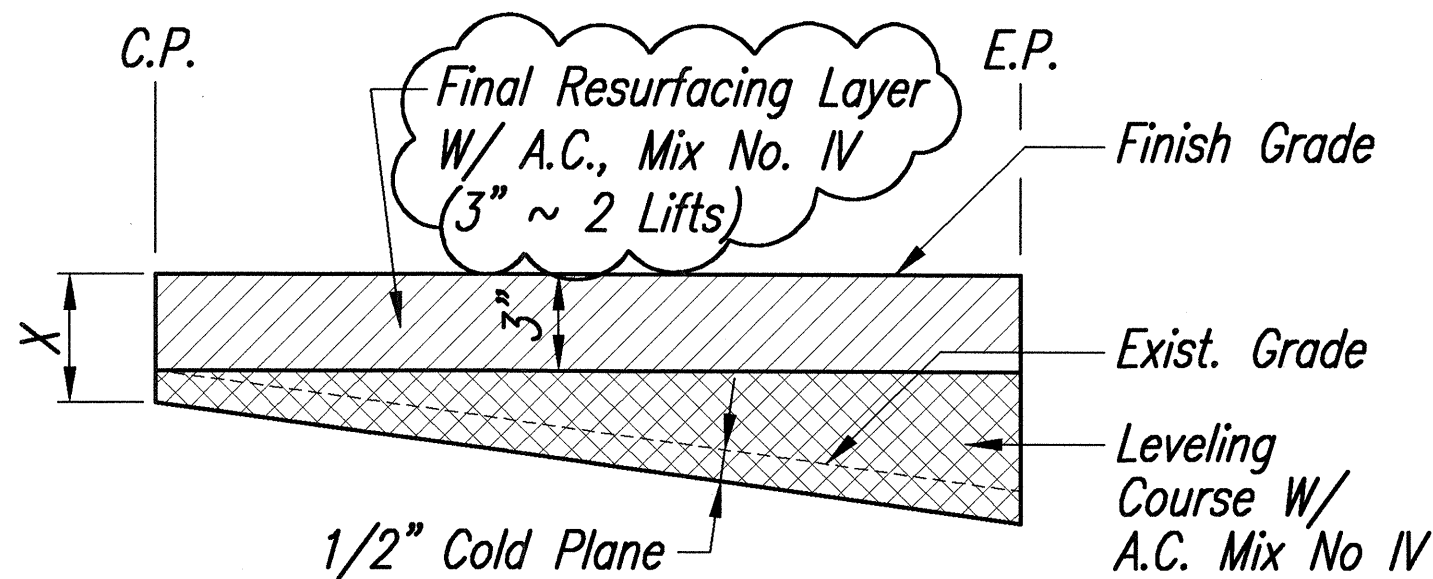
NOTES:

- When Z is less than 1/2", type 4E barrier is used.
- If Z is less than 1/2" at one station and more than 1/2" at next station, the length for type 4E and 4F barrier is prorated.

Z - finish grade difference between inbound side and outbound side of barrier. (see conc. barrier sht.)

SHOULDER RECONSTRUCTION SCHEDULE

STATION		INBOUND	OUTBOUND
FROM	TO		
80+40	93+50		•
101+00±	106+80±	•	
121+00±	130+00±	•	
129+15±	129+95±		•
140+00±	153+00±	•	
160+00±	175+00±	•	
184+00±	198+00±	•	
228+00±	232+50±	•	

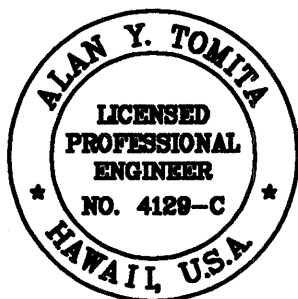
 $X < 3"$  $X > 3"$

NOTE:

Pavement is to be Reconstructed Where the Finish Grade is Lower Than the Existing Ground.

PAVEMENT COLD-PLANING/LEVELING COURSE DETAIL

Not to Scale



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Alan Y. Tomita

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAVEMENT SUMMARY & DETAILS

LIKELIKE HIGHWAY RESURFACING
Emmeline Place to the Wilson Tunnel
F. A. Project No. CM-STP-063-1(21)

Scale: As Shown

Date: December, 2001

SHEET No. 9 OF 9 SHEETS

ADD 14

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