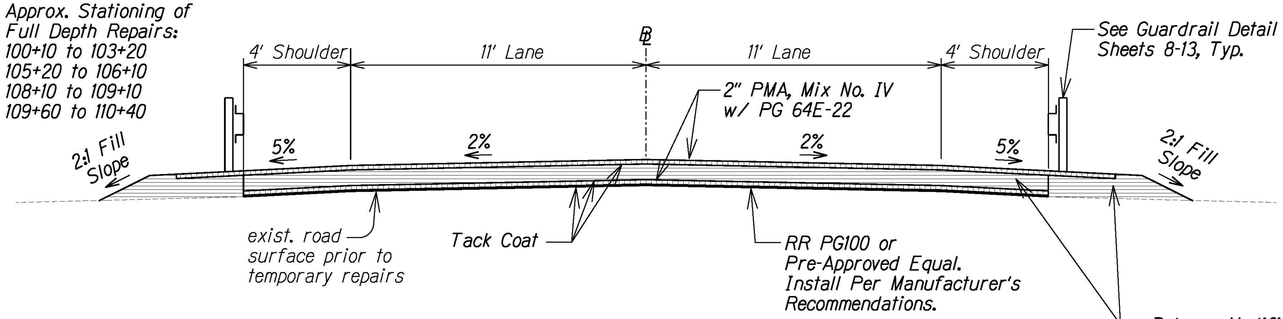
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-21(005)	2021	ADD.7	24

△1 Approx. Stationing of Full Depth Repairs:
100+10 to 103+20
105+20 to 106+10
108+10 to 109+10
109+60 to 110+40

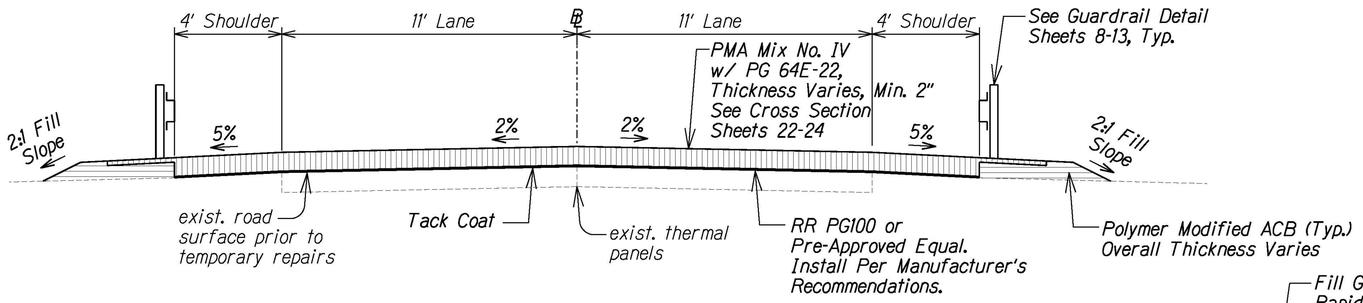


PMA, Mix No. IV w/ PG 64E-22

Polymer Modified ACB w/ PG 64E-22

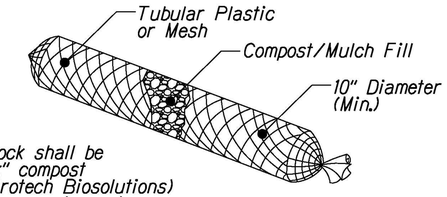
TYPICAL SECTION - FULL DEPTH

Not to Scale



TYPICAL SECTION - PMA MIX NO. IV THICKNESS FROM 2" TO 6"

Not to Scale

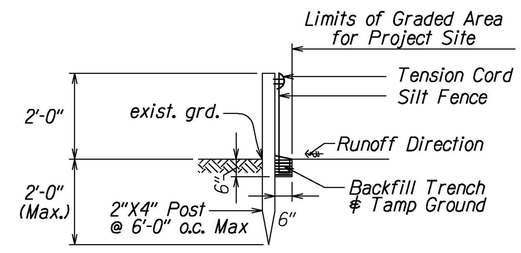


NOTES:

1. Filter sock shall be "Biosock" compost (by Envirotech Biosolutions) or pre-approved equal. Install per manufacturer's recommendations.
2. Filter sock shall not contain biosolids and shall be consistent with EPA guielines.
3. Staking, where required, shall be installed per manufacturer's recommendations.
4. Minimum overlap shall be 2' on the horizontal plane.

FILTER SOCK DETAIL

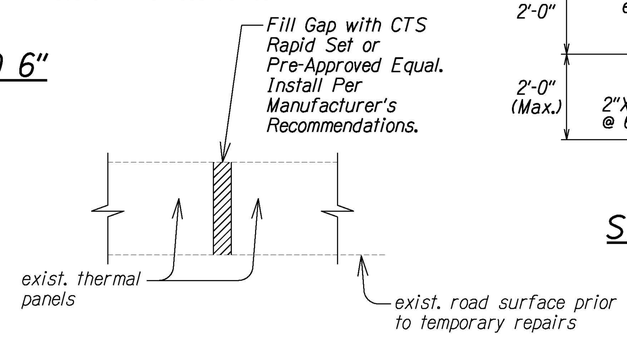
Not to Scale



(For Overland Flow Condition)

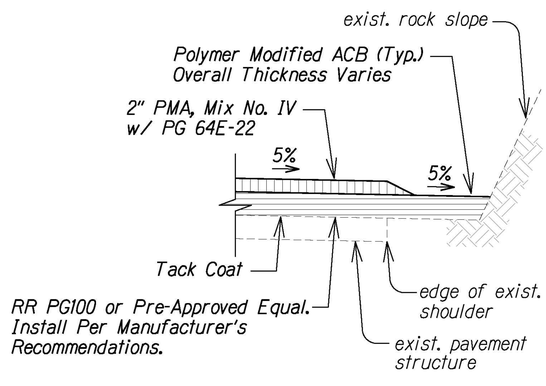
SILT FENCE DETAIL

Not to Scale



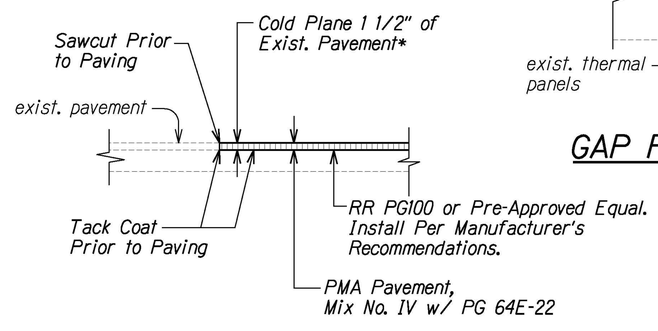
GAP FILLER DETAIL

Not to Scale



TYPICAL SECTION - PAVEMENT STRUCTURE IN ROCK CUT CONDITIONS

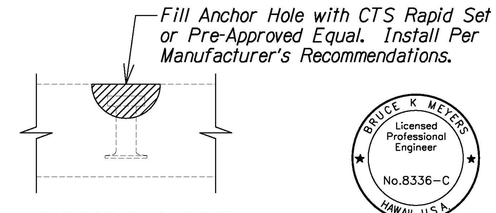
Not to Scale



*See road profile for length of cold plane.

CONNECTION TO EXISTING A.C. PAVEMENT DETAIL

Not to Scale



ANCHOR HOLE FILL-IN DETAIL

Not to Scale

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

BRUCE K MEYERS
Licensed Professional Engineer
No.8336-C
HAWAII, U.S.A.

This work was prepared by me or under my supervision.

Expiration Date of License 4/22

Date	Description
10/25/21	△1 Addendum No. 1

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TYPICAL SECTION & DETAILS

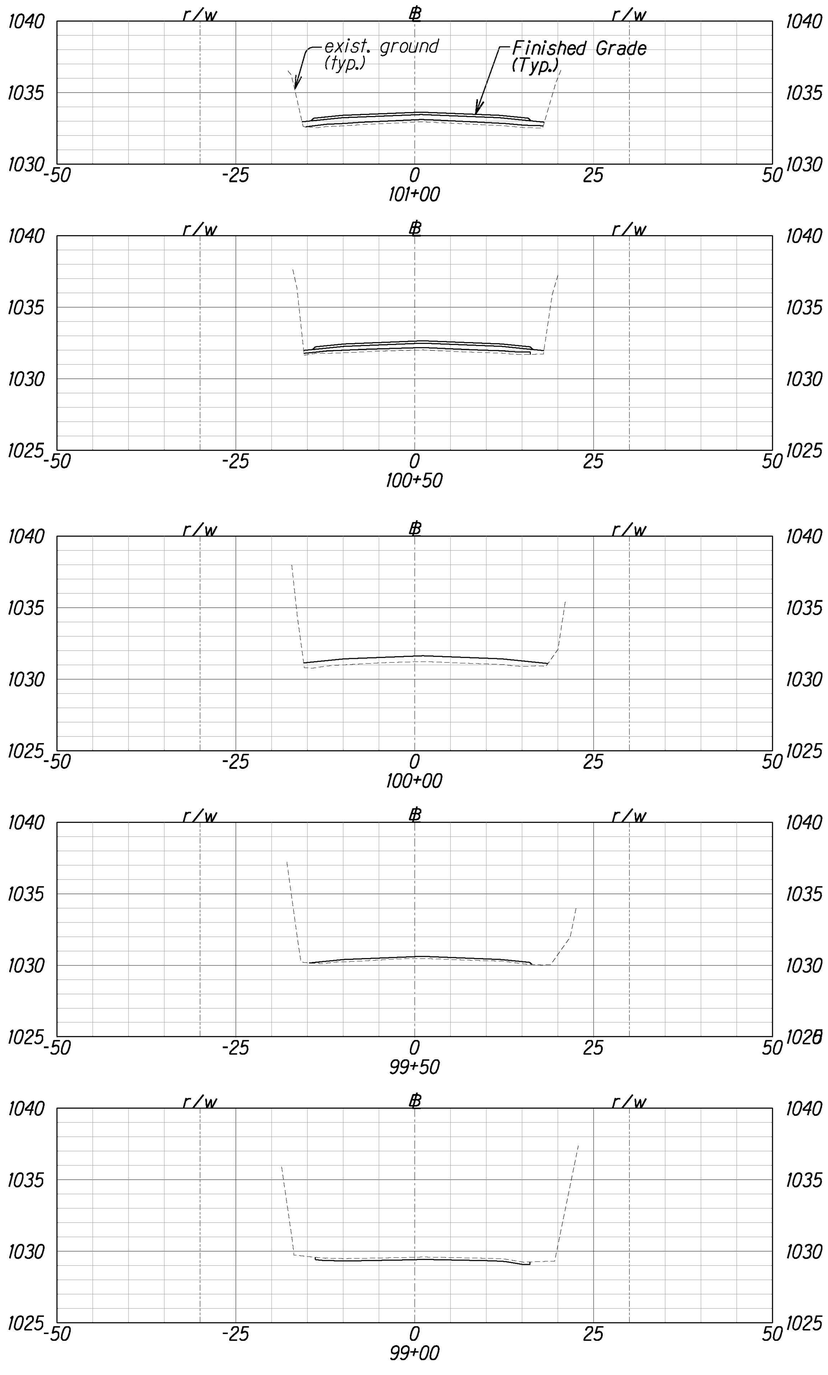
PAHOA-KALAPANA ROAD
2018 KILAUEA ERUPTION PERMANENT REPAIRS
Federal Aid Project No. ER-21(005)

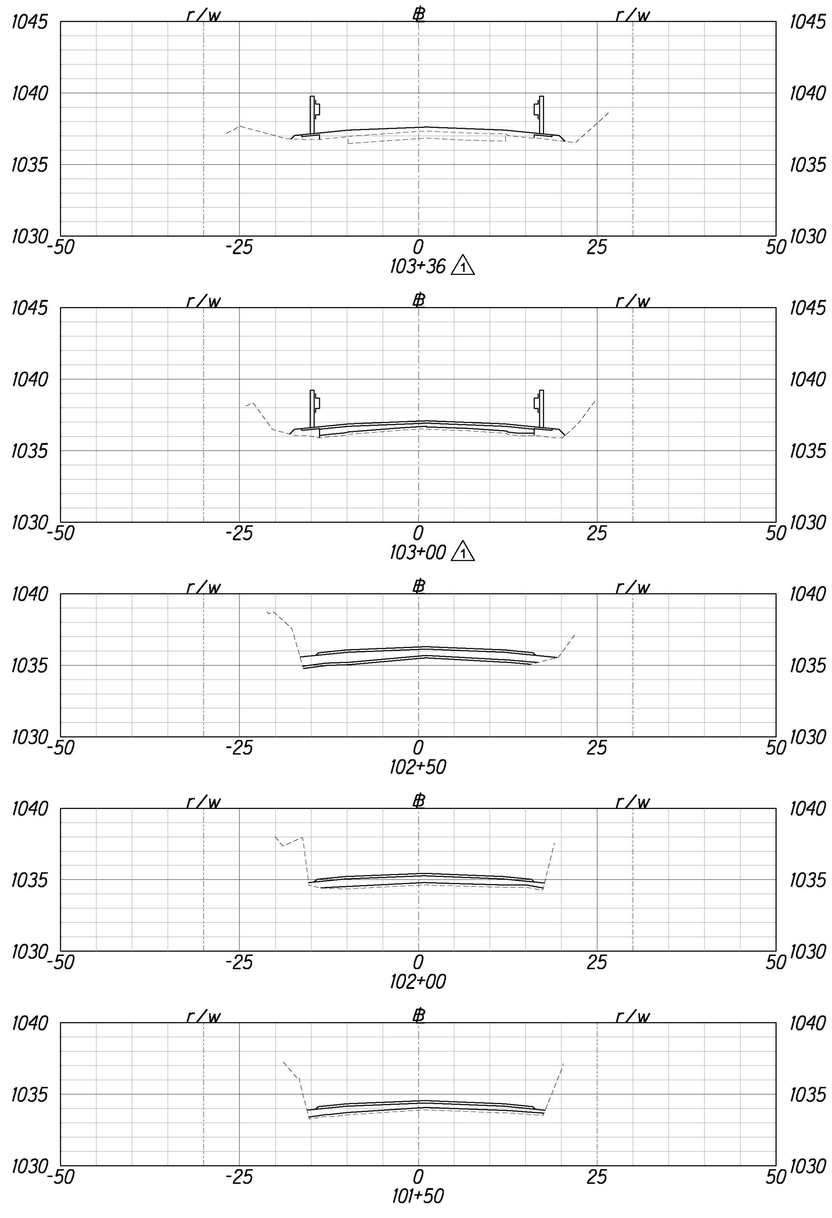
Scale: NTS Date: August 2021

SHEET No. 1 OF 1 SHEETS

ADD.7

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-21(005)	2021	ADD.22	24





Graphic Scales

10′ 5′ 0 10′ 20′

Horiz: 1″=10′

5′ 0 5′ 10′

Vert: 1″=5′

BRUCE K MEYERS
Licensed Professional Engineer
No.8336-C
HAWAII, U.S.A.

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Expiration Date of License 4/22

Date	Description
10/25/21	△1 Addendum No. 1

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CROSS SECTIONS

PAHOA-KALAPANA ROAD
2018 KILAUEA ERUPTION PERMANENT REPAIRS
Federal Aid Project No. ER-21(005)

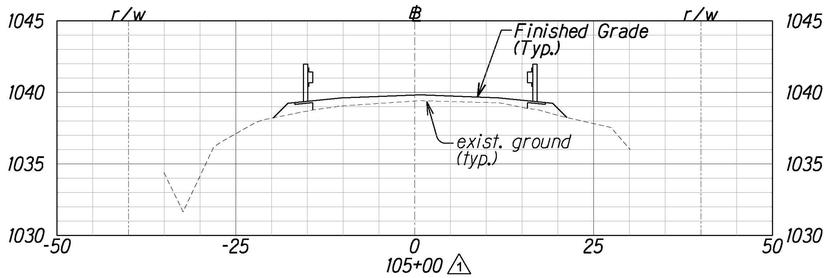
Scale: As Noted Date: August 2021

SHEET No. 1 OF 3 SHEETS

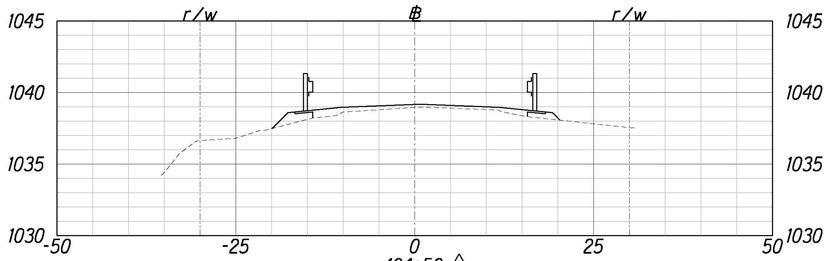
ADD.22

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

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-21(005)	2021	ADD.23	24



105+00 △1



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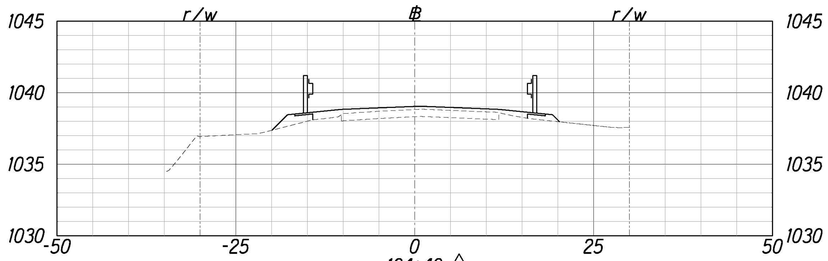

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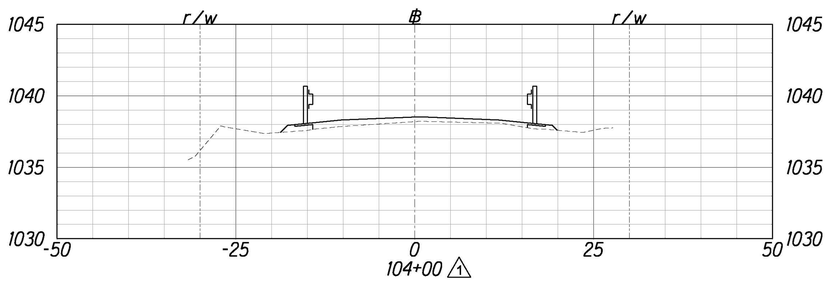

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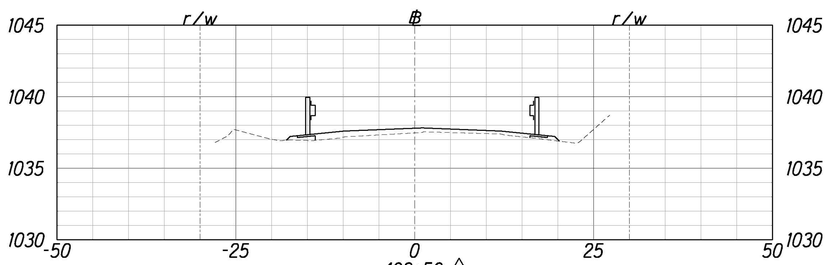

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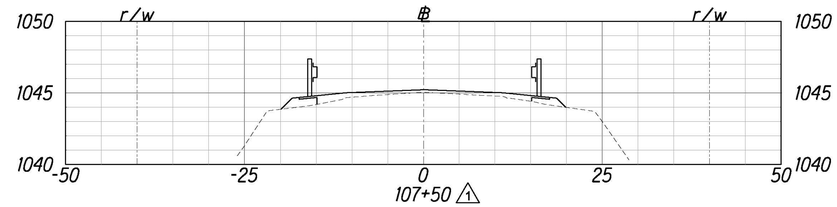
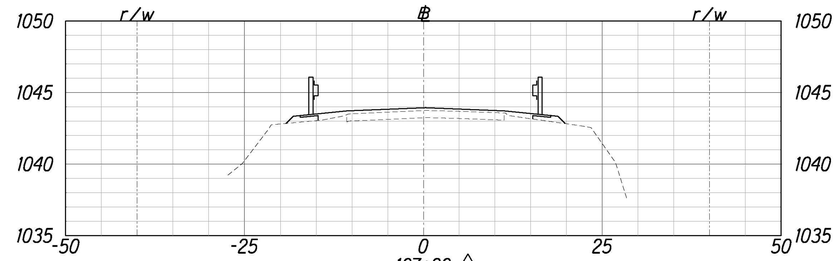


107+50 △1



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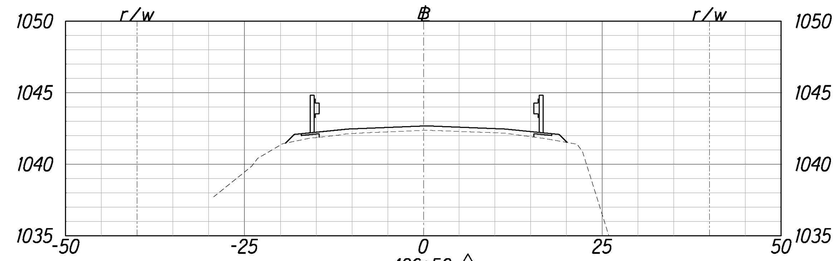

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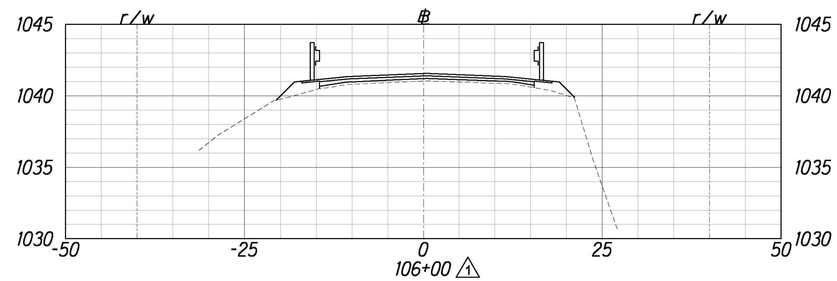

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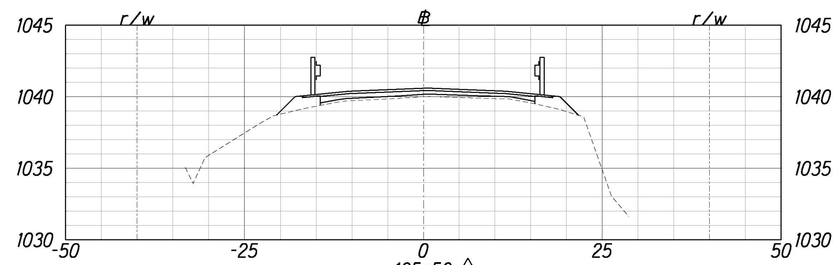


105+50 △1

Graphic Scales

10′ 5′ 0 10′ 20′

Horiz: 1″=10′

5′ 0 5′ 10′

Vert: 1″=5′

BRUCE K MEYERS
Licensed Professional Engineer
No.8336-C
HAWAII, U.S.A.

This work was prepared by me or under my supervision.

Expiration Date of License 4/22

Date	Description
10/25/21	△1 Addendum No. 1

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CROSS SECTIONS

PAHOA-KALAPANA ROAD
2018 KILAUEA ERUPTION PERMANENT REPAIRS
Federal Aid Project No. ER-21(005)

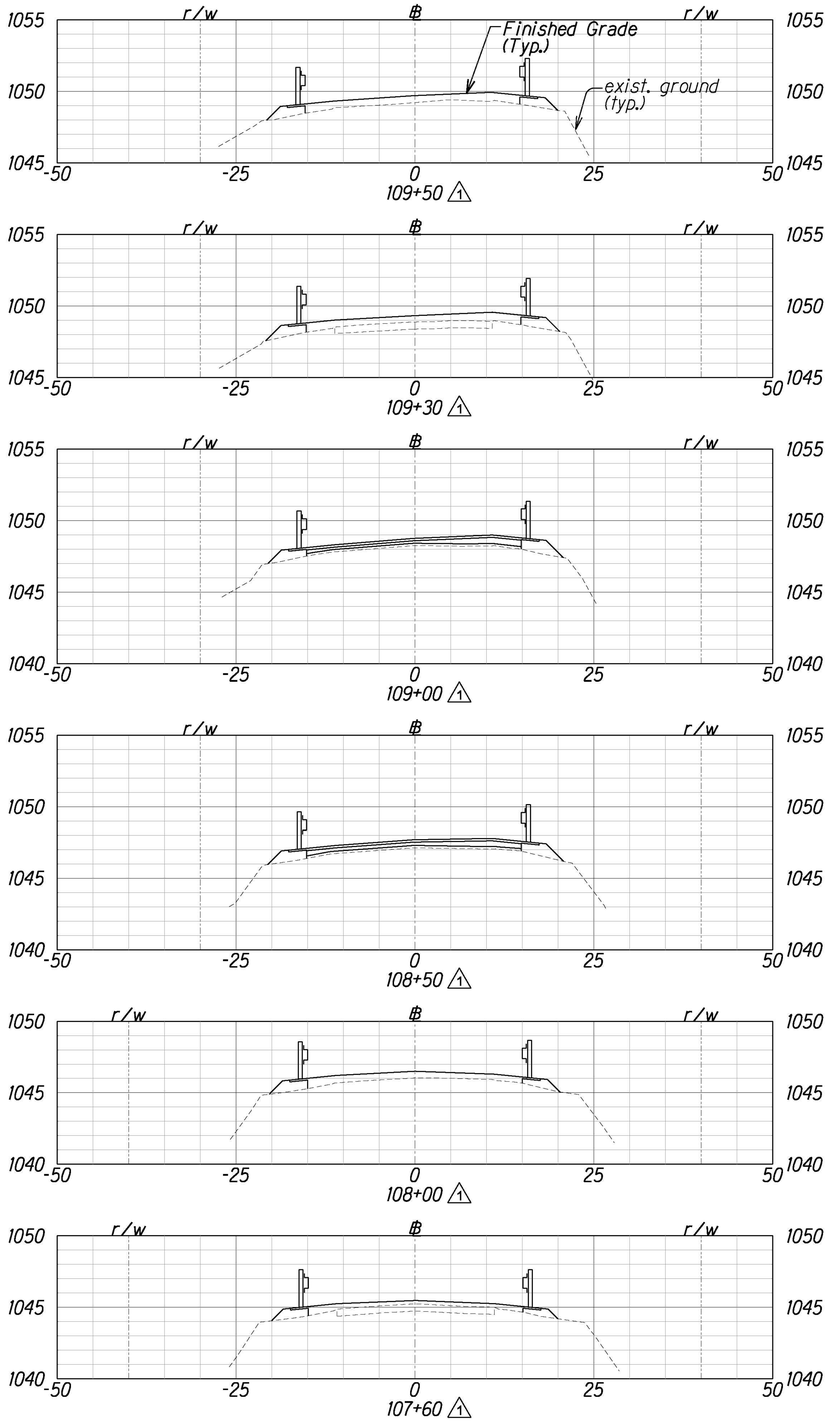
Scale: As Noted Date: August 2021

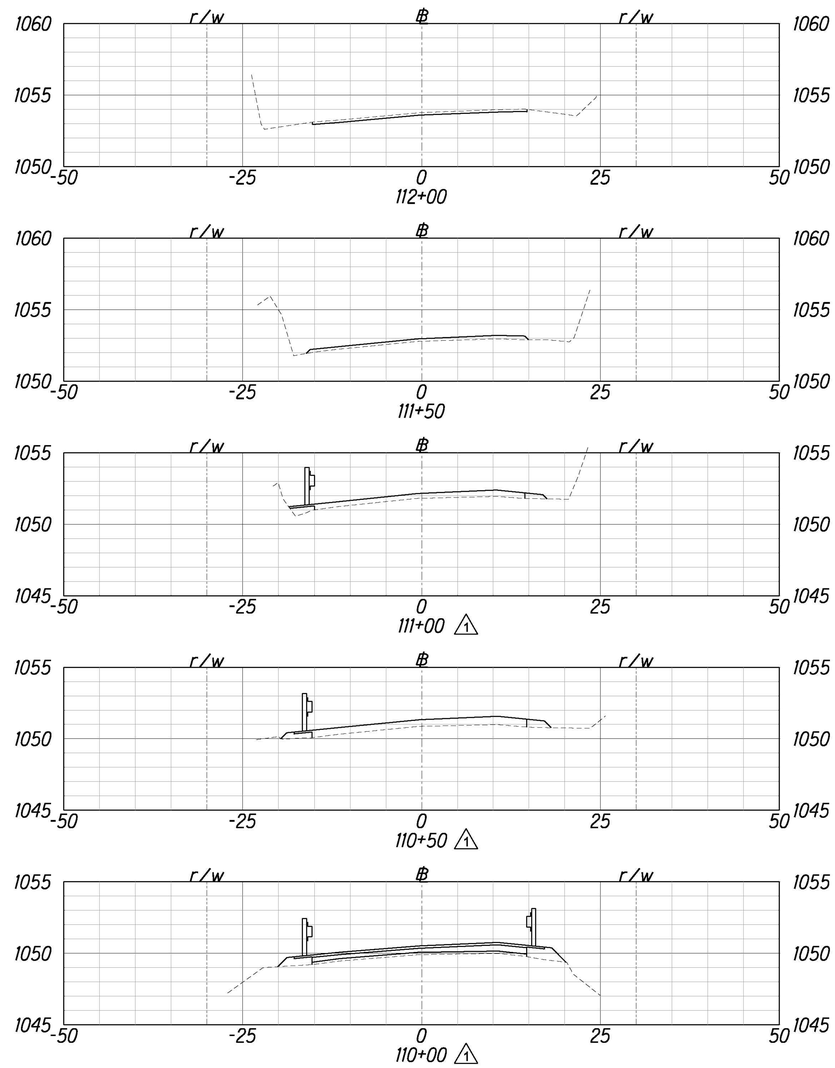
SHEET No. 2 OF 3 SHEETS

ADD.23

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

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-21(005)	2021	ADD.24	24





Sta.	Cl Eg	Cl Fg	11' Lt. Fg	11' Rt. Fg	11' Lt. Eg	11' Rt. Eg
99+00	1029.61	1029.61	1029.39	1029.39	1029.22	1029.22
99+50	1030.48	1030.62	1030.40	1030.40	1030.22	1030.29
100+00	1031.33	1031.63	1031.41	1031.41	1030.99	1031.02
100+50	1032.01	1032.65	1032.43	1032.43	1031.82	1031.78
101+00	1032.95	1033.63	1033.41	1033.41	1032.67	1032.70
101+50	1033.92	1034.56	1034.34	1034.34	1033.56	1033.70
102+00	1034.64	1035.45	1035.23	1035.23	1034.36	1034.48
102+50	1035.51	1036.29	1036.07	1036.07	1035.03	1035.21
103+00	1036.49	1037.08	1036.86	1036.86	1036.13	1036.21
103+36	1037.34	1037.62	1037.40	1037.40	1036.97	1037.13
103+50	1037.53	1037.83	1037.61	1037.61	1037.19	1037.40
104+00	1038.20	1038.53	1038.31	1038.31	1037.86	1038.08
104+40	1038.84	1039.05	1038.83	1038.83	1038.46	1038.62
104+50	1038.97	1039.18	1038.96	1038.96	1038.63	1038.77
105+00	1039.42	1039.83	1039.61	1039.61	1039.05	1039.26
105+50	1040.03	1040.61	1040.39	1040.39	1039.72	1039.85
106+00	1041.04	1041.56	1041.34	1041.34	1040.78	1040.84
106+50	1042.37	1042.67	1042.45	1042.45	1042.12	1042.16
107+00	1043.74	1043.93	1043.71	1043.71	1043.50	1043.56
107+50	1045.04	1045.22	1045.00	1045.00	1044.66	1044.75
107+60	1045.24	1045.48	1045.26	1045.26	1044.88	1045.01
108+00	1046.03	1046.5	1046.28	1046.30	1045.76	1045.92
108+50	1047.12	1048.58	1048.36	1048.67	1047.80	1047.94
109+00	1048.25	1048.75	1048.53	1048.99	1048.04	1048.23
109+30	1048.88	1049.33	1049.11	1049.57	1048.62	1048.96
109+50	1049.20	1049.69	1049.47	1049.93	1049.01	1049.32
110+00	1049.91	1050.52	1050.30	1050.76	1049.69	1049.99
110+50	1050.87	1051.34	1051.12	1051.58	1050.66	1051.00
111+00	1051.82	1052.14	1051.92	1052.38	1051.58	1051.95
111+50	1052.78	1052.95	1052.73	1053.19	1052.56	1052.94
112+00	1053.76	1053.76	1053.54	1054.00	1053.37	1053.83

Graphic Scales

10' 5' 0 10' 20'

Horiz: 1"=10'

5' 0 5' 10'

Vert: 1"=5'

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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CROSS SECTIONS

PAHOA-KALAPANA ROAD
2018 KILAUEA ERUPTION PERMANENT REPAIRS
Federal Aid Project No. ER-21(005)

Scale: As Noted Date: August 2021

SHEET No. 3 OF 3 SHEETS

ADD.24

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