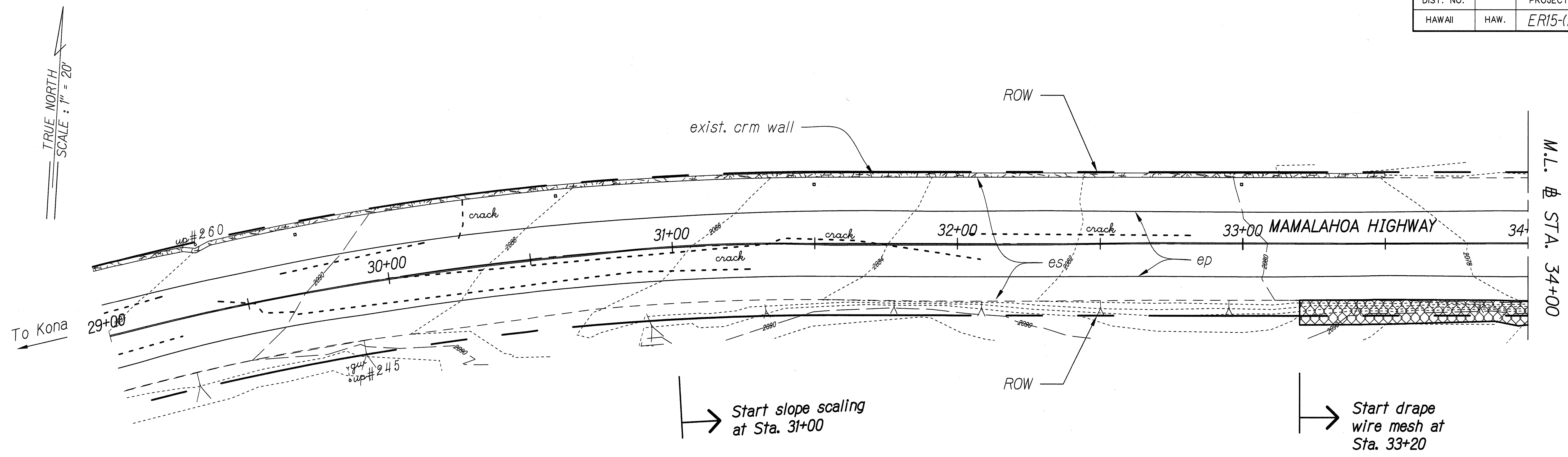
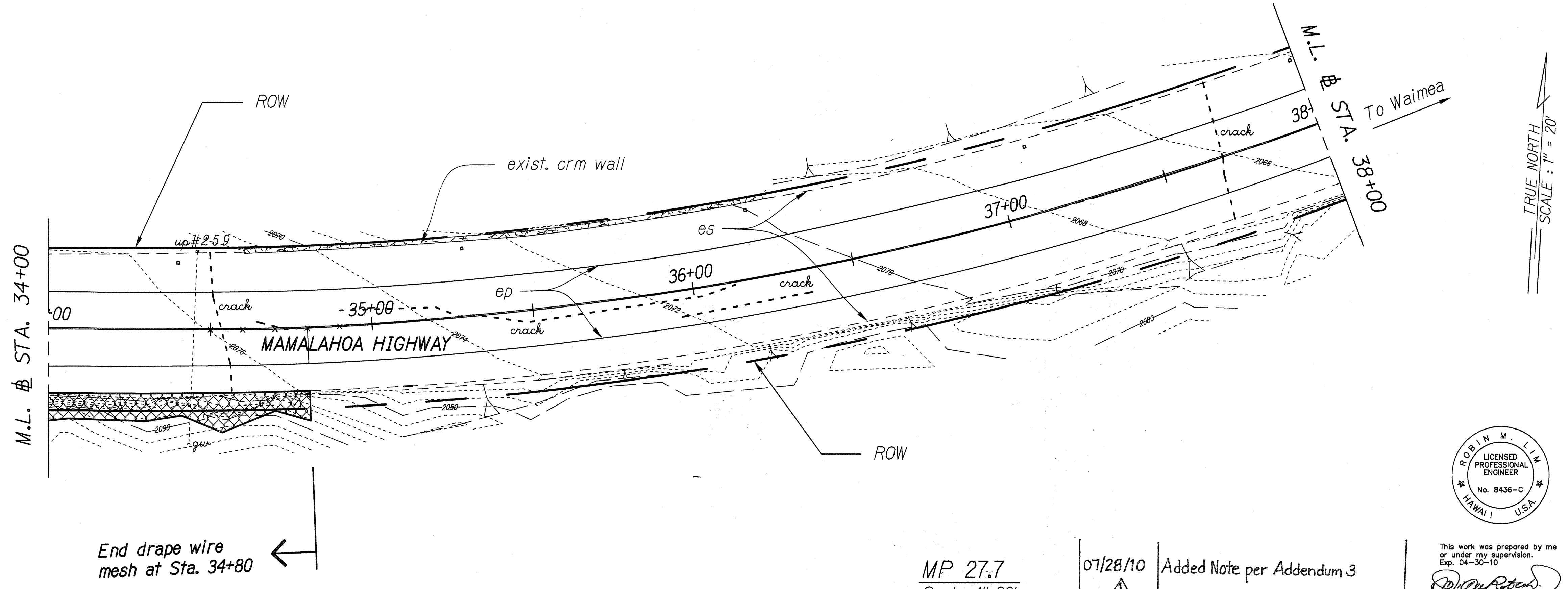


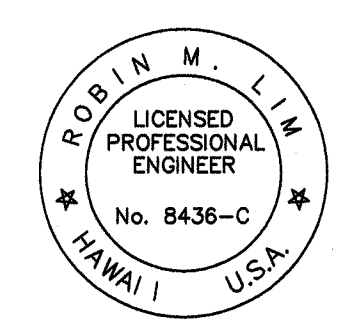
FED. ROAD DIST. NO.	STATE	FED. AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER15-(22)	2009	34R	88



Note:
 Sta. 30+50 to 41+50 Rt.
 Remove and Replace Existing e.p. 4"
 White Stripe with Type "C" Markers
 at 40' o.c.



SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
NOTED BY	
CHECKED BY	



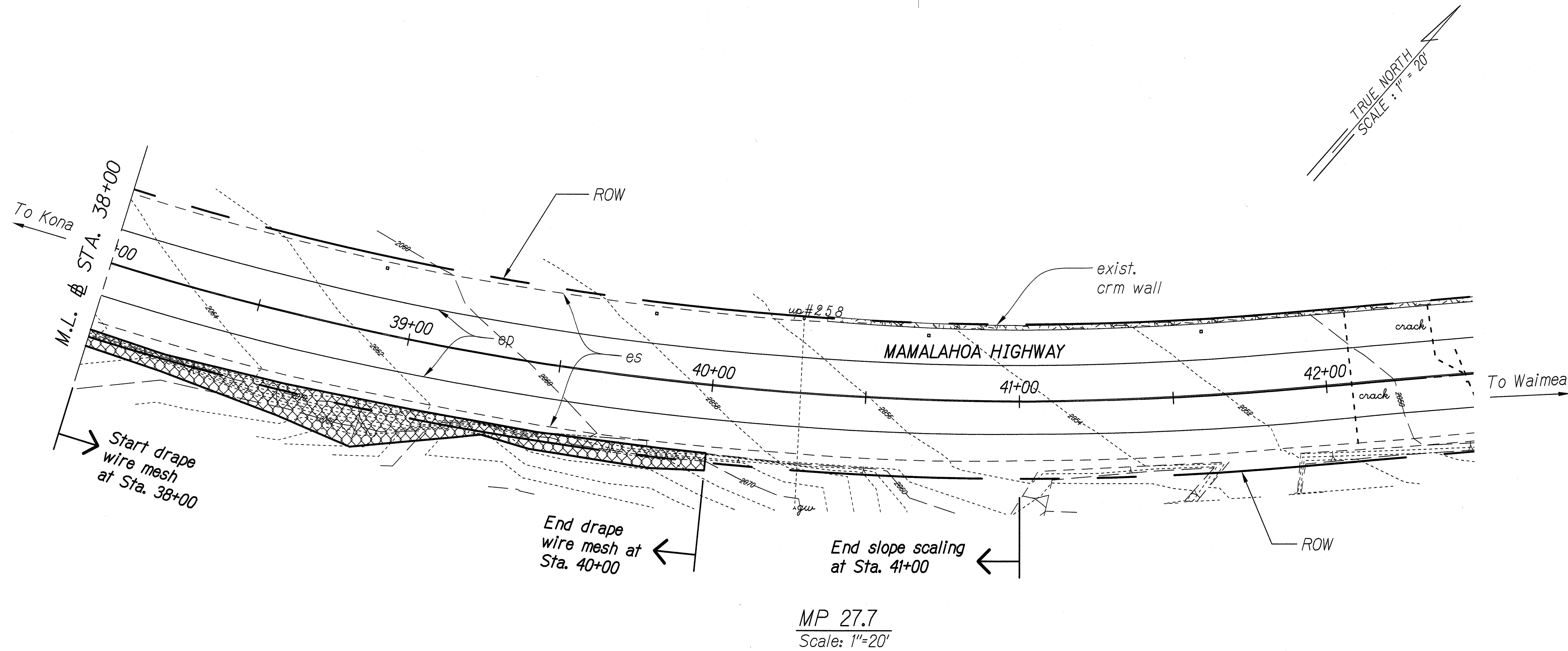
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 Exp. 04-30-10
Robin M. Lim
 Geolabs, Inc.

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
SITE PLAN - 1
SITE 5 - MP 27.7
 EMERGENCY EARTHQUAKE ROCKFALL REPAIRS
 VARIOUS LOCATIONS ON HAWAII, UNIT 4
 Federal Aid Project No. ER-15(22)
 Scale: As Shown Date: December 2009
 SHEET No. G-5.1 OF 9 SHEETS

MP 27.7
 Scale: 1"=20'

07/28/10	Added Note per Addendum 3
DATE	REVISION

FED. ROAD DIST. NO.	STATE	FED. AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER15-(22)	2009	35R	88



⚠ Note: Sta. 30+50 to 41+50 Rt.
Remove and Replace Existing e.p. 4"
White Stripe with Type "C"
Markers at 40' o.c.

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

07/28/10	Added Note per Addendum 3
DATE	REVISION

ROBIN M. LIM
LICENSED PROFESSIONAL ENGINEER
No. 8438-C
HAWAII U.S.A.

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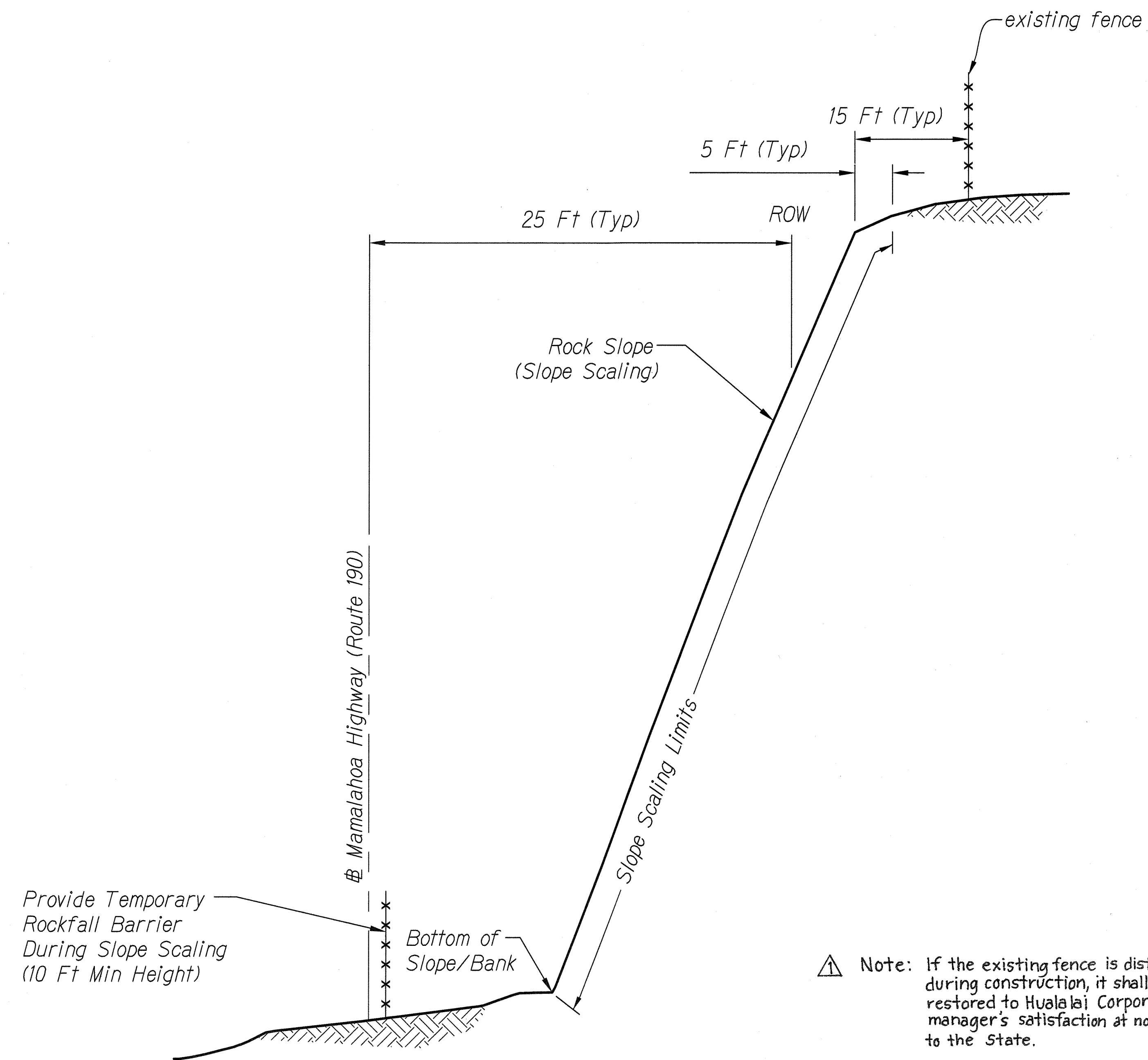
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SITE PLAN - 2
SITE 5 - MP 27.7

EMERGENCY EARTHQUAKE ROCKFALL REPAIRS
VARIOUS LOCATIONS ON HAWAII, UNIT 4
Federal Aid Project No. ER-15(22)

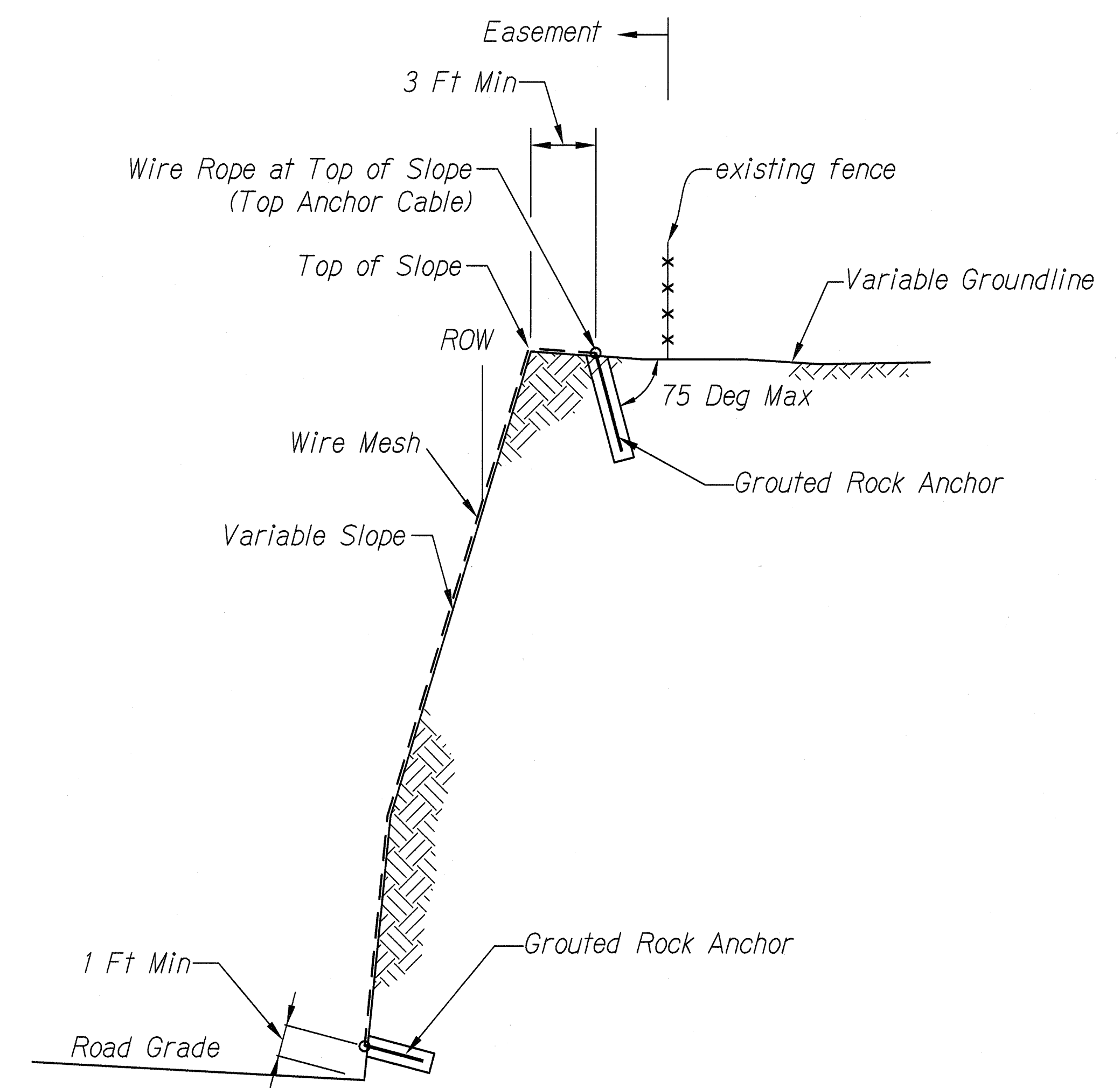
Scale: As Shown Date: December 2009

SHEET No. G-5.2 OF 9 SHEETS

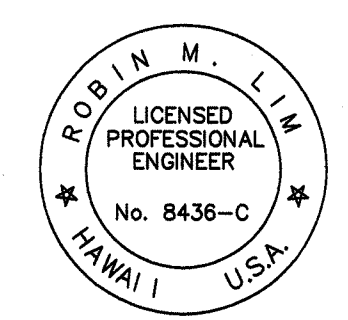


**TYPICAL SECTION
SLOPE SCALING**
Not To Scale
Sta. 31+00 to Sta. 41+00

⚠ Note: If the existing fence is disturbed during construction, it shall be restored to Hualalai Corporation manager's satisfaction at no cost to the State.



DRAPED WIRE MESH
Not To Scale
Sta. 33+20 to Sta. 34+80
Sta. 38+00 to Sta. 40+00



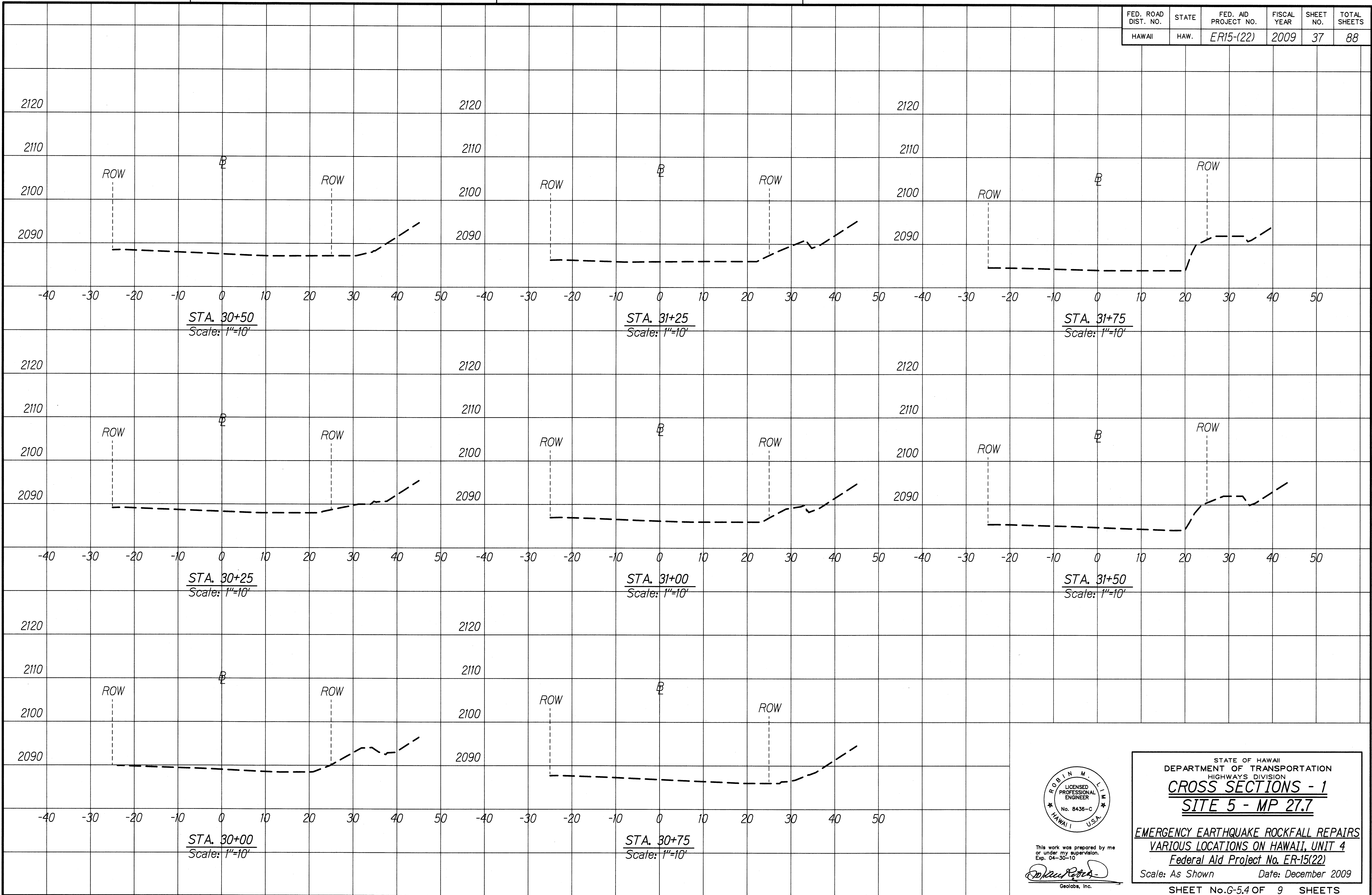
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
TYPICAL SECTIONS
SITE 5 - MP 27.7
EMERGENCY EARTHQUAKE ROCKFALL REPAIRS
VARIOUS LOCATIONS ON HAWAII, UNIT 4
Federal Aid Project No. ER-15(22)
Scale: As Shown Date: December 2009
SHEET No. G-5.3 OF 9 SHEETS

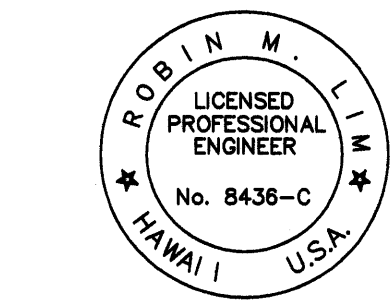
07/28/10	Added Note per Addendum 1
⚠	
DATE	REVISION

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

FED. ROAD DIST. NO.	STATE	FED. AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER15-(22)	2009	37	88



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

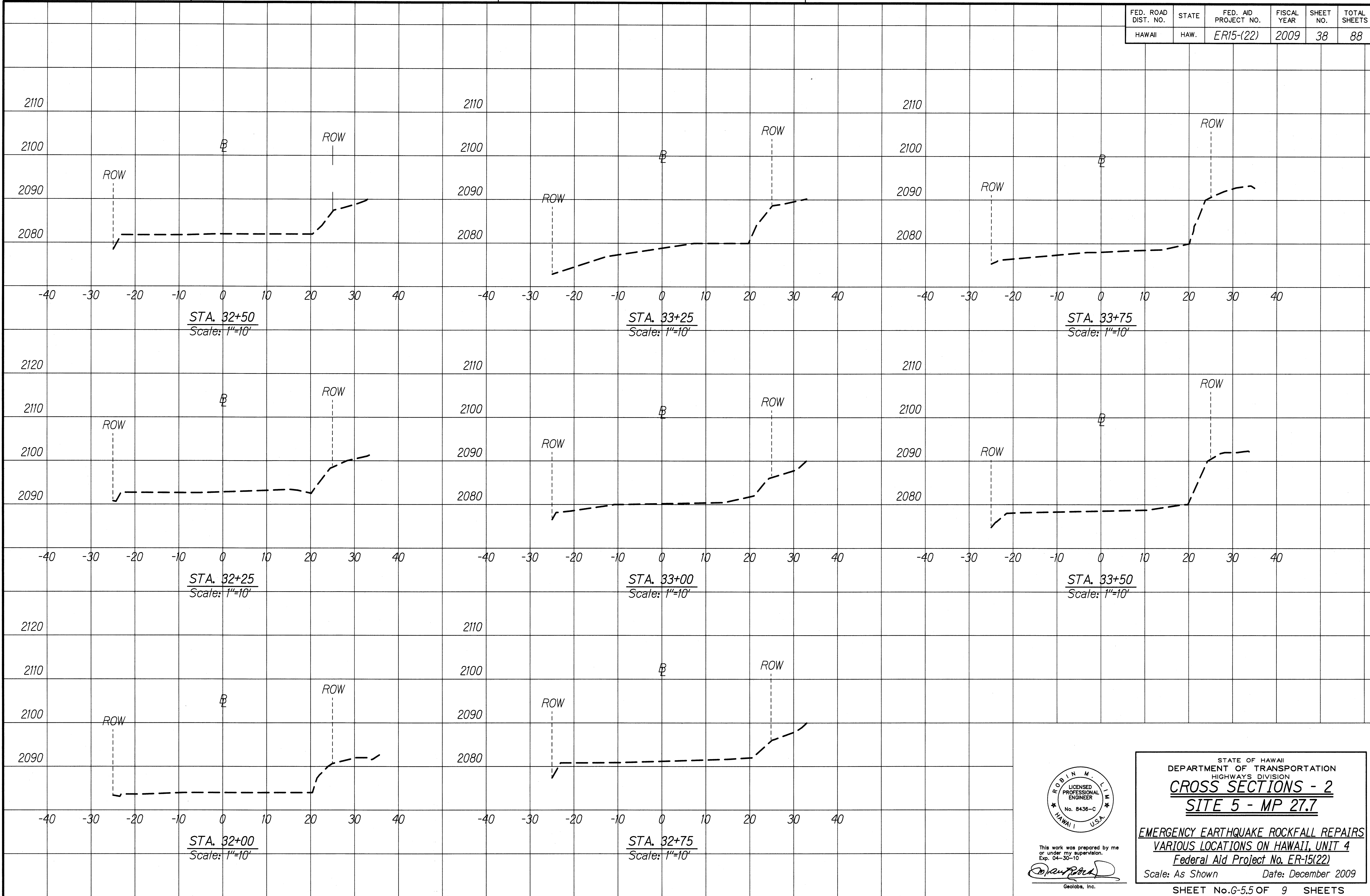


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Geolabs, Inc.

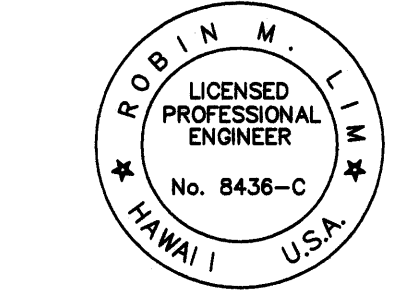
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
CROSS SECTIONS - 1
SITE 5 - MP 27.7

EMERGENCY EARTHQUAKE ROCKFALL REPAIRS
VARIOUS LOCATIONS ON HAWAII, UNIT 4
Federal Aid Project No. ER-15(22)
Scale: As Shown Date: December 2009
SHEET No. G-5.4 OF 9 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER15-(22)	2009	38	88



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
DESIGNED BY		
NOTED BY		
CHECKED BY		
IN CHARGE		



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Geolabs, Inc.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
CROSS SECTIONS - 2
SITE 5 - MP 27.7
EMERGENCY EARTHQUAKE ROCKFALL REPAIRS
VARIOUS LOCATIONS ON HAWAII, UNIT 4
Federal Aid Project No. ER-15(22)
Scale: As Shown Date: December 2009
SHEET No. G-5.5 OF 9 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER15-(22)	2009	39	88

2110

2100

2100

2100

2090

2090

2090

2080

2080

2080

2070

2070

-40

-30

-20

-10

0

10

20

30

40

STA. 34+50
Scale: 1"=10'

-40

-30

-20

-10

0

10

20

30

40

STA. 35+25
Scale: 1"=10'

-40

-30

-20

-10

0

10

20

30

40

STA. 35+75
Scale: 1"=10'

2110

2100

2100

2100

2090

2090

2090

2080

2080

2080

2070

2070

-40

-30

-20

-10

0

10

20

30

40

STA. 34+25
Scale: 1"=10'

-40

-30

-20

-10

0

10

20

30

40

STA. 35+00
Scale: 1"=10'

-40

-30

-20

-10

0

10

20

30

40

STA. 35+50
Scale: 1"=10'

2110

2110

2100

2100

2090

2090

2080

2080

-40

-30

-20

-10

0

10

20

30

40

STA. 34+00
Scale: 1"=10'

-40

-30

-20

-10

0

10

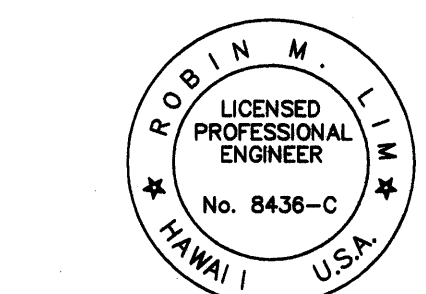
20

30

40

STA. 34+75
Scale: 1"=10'

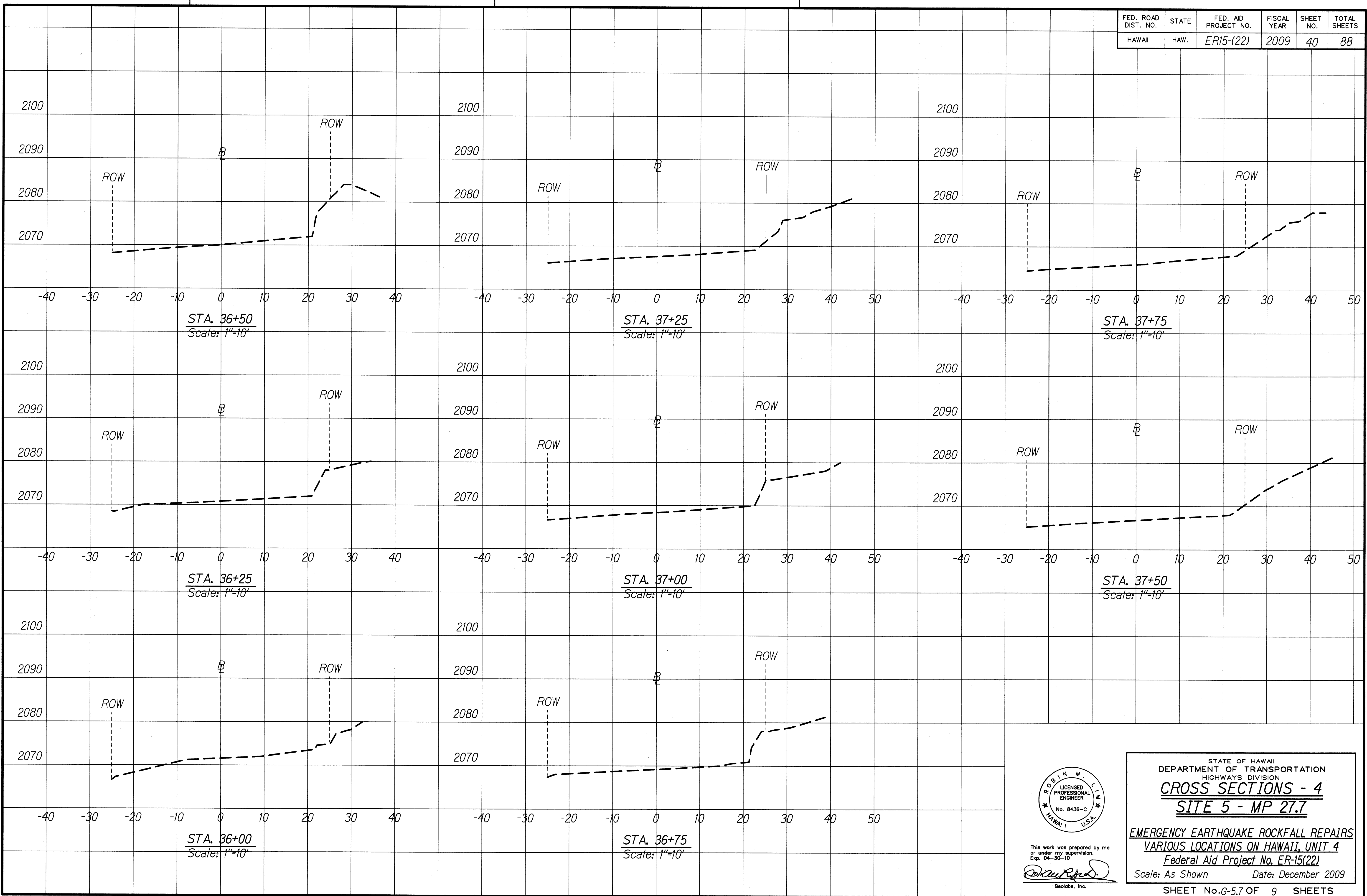
ORIGINAL PLAN	DATE
DESIGNED BY	
TRACED BY	
NOTE BOOK	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
N.	



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Robin M. Lim
Geolabs, Inc.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
CROSS SECTIONS - 3
SITE 5 - MP 27.7
EMERGENCY EARTHQUAKE ROCKFALL REPAIRS
VARIOUS LOCATIONS ON HAWAII, UNIT 4
Federal Aid Project No. ER-15(22)
Scale: As Shown Date: December 2009
SHEET No. G-5.6 OF 9 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER15-(22)	2009	40	88



ORIGINAL PLAN	DATE
DESIGNED BY	
NOTED BY	
CHECKED BY	
DATE	

ROBIN M. LEE
 LICENSED PROFESSIONAL ENGINEER
 No. 8436-C
 HAWAII, U.S.A.

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STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

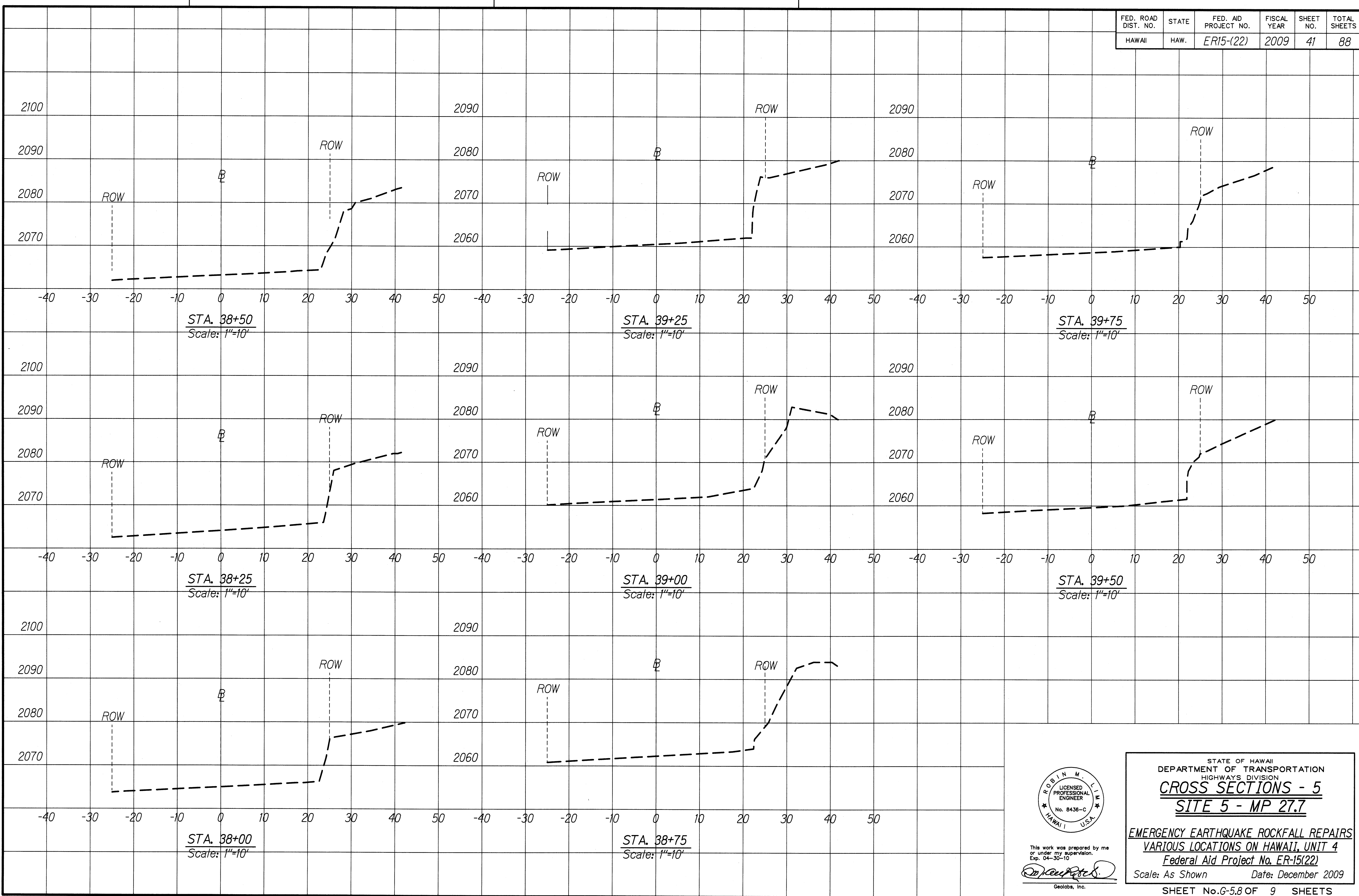
CROSS SECTIONS - 4
SITE 5 - MP 27.7

EMERGENCY EARTHQUAKE ROCKFALL REPAIRS
 VARIOUS LOCATIONS ON HAWAII, UNIT 4
 Federal Aid Project No. ER-15(22)

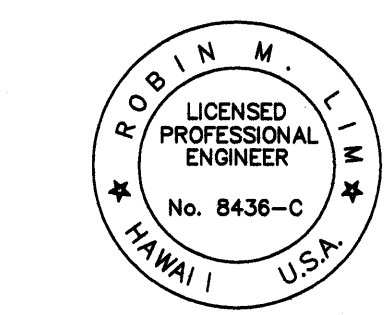
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SHEET No. G-5.7 OF 9 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER15-(22)	2009	41	88



SURVEY PLOTTED BY _____ DATE _____
 PLAN _____
 NOTE BOOK _____
 DESIGNED BY _____
 QUANTITIES BY _____
 CHECKED BY _____
 N. _____



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STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
CROSS SECTIONS - 5
SITE 5 - MP 27.7
 EMERGENCY EARTHQUAKE ROCKFALL REPAIRS
 VARIOUS LOCATIONS ON HAWAII, UNIT 4
 Federal Aid Project No. ER-15(22)
 Scale: As Shown Date: December 2009
 SHEET No. G-5.8 OF 9 SHEETS

