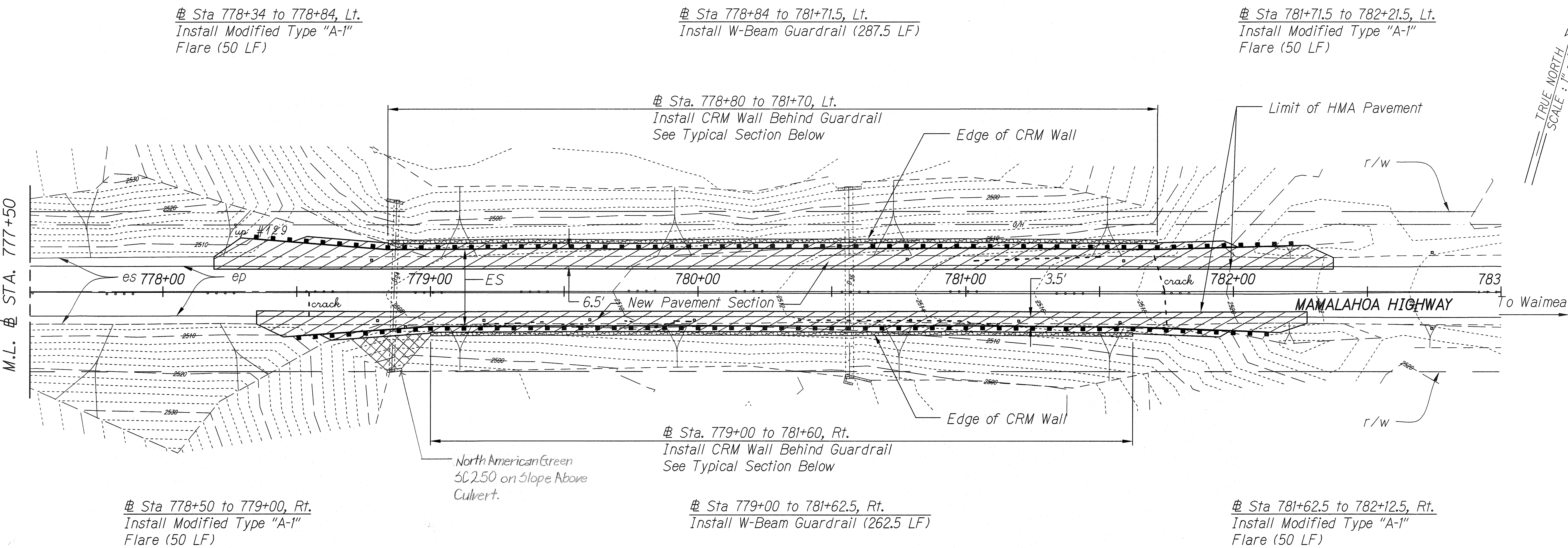
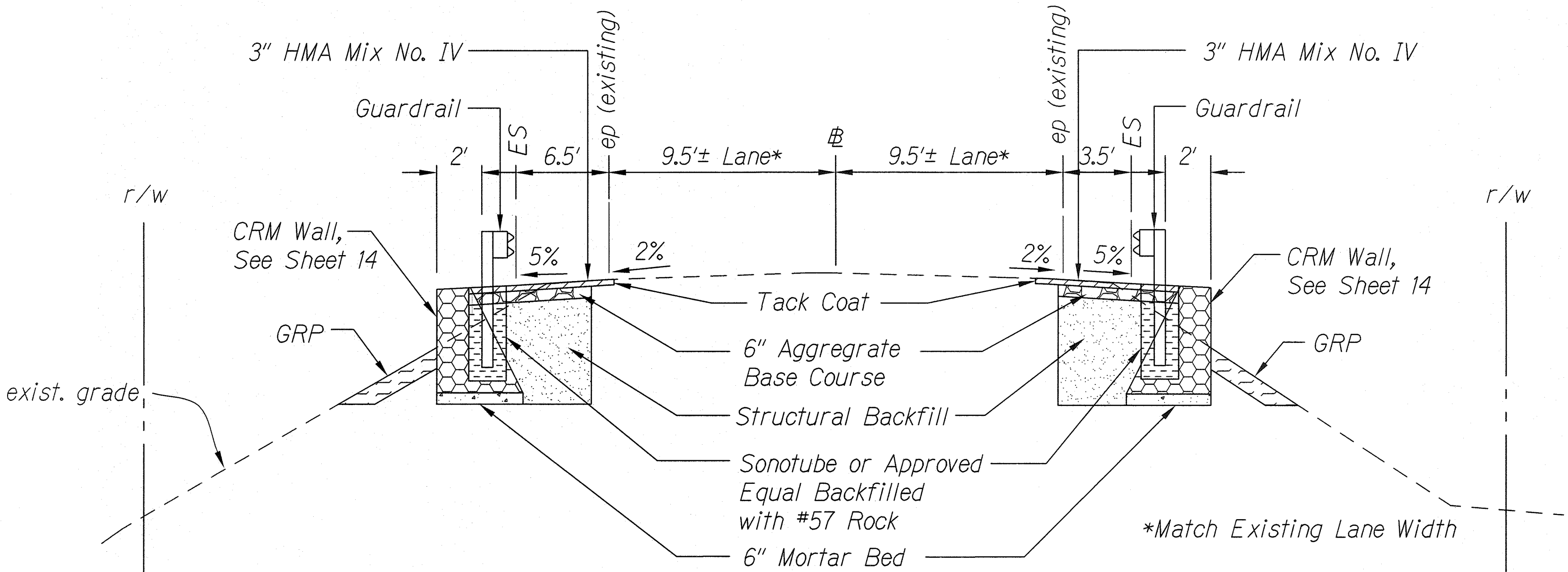


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-15(22)	2009	23	88



PLAN - MP 13.80
 Scale: 1"=20'

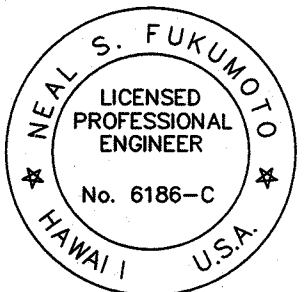


TYPICAL SECTION w/CRM WALL (MP 13.80)
 Scale: Not to Scale

NOTE:

Seal All Existing Cracks in Pavement
 Labeled "crack", Except Where Pavement
 is Noted to be Reconstructed.

Scale: 1"=20'



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 or under my supervision.
 Exp. 04-30-10
 Wesley R. Segawa & Associates, Inc.

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
SITE PLAN
SITE 3 - MP 13.80 TO 13.81
 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. 31 OF 37 SHEETS

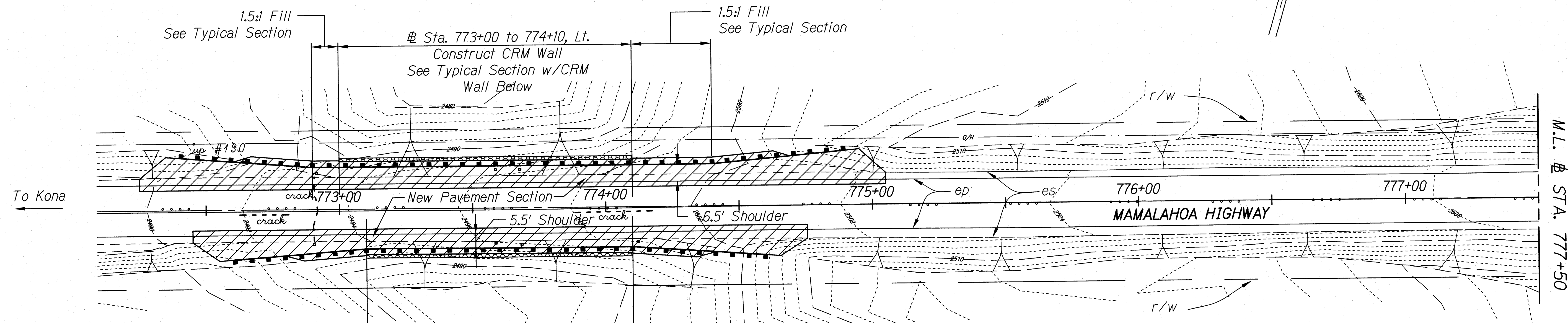
"AS-BUILT"

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-15(22)	2009	24	88

Sta 772+40 to 772+90, Lt.
Install Modified Type "A-1"
Flare (50 LF)

Sta 772+90 to 774+40, Lt.
Install W-Beam Guardrail (150 LF)
4 - 8' Posts at Sta. 772+90 to 773+10 and
4 - 8' Posts at 774+10 to 774+40

Sta 774+40 to 774+90, Lt.
Install Modified Type "A-1"
Flare (50 LF)



NOTE:

Seal All Existing Cracks in Pavement Labeled "crack", Except Where Pavement is Noted to be Reconstructed.

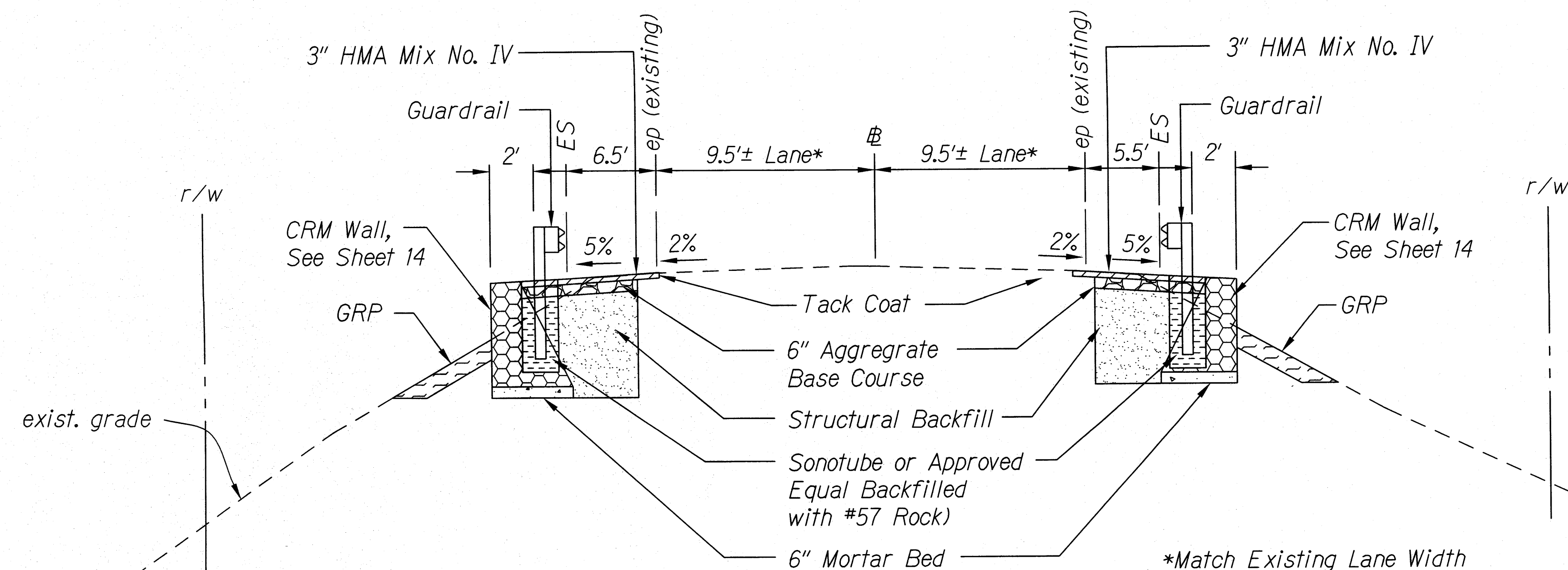
Sta 772+60 to 773+10, Rt.
Install Modified Type "A-1"
Flare (50 LF)

Sta. 773+10 to 774+10, Rt.
Construct CRM Wall,
See Typical Section w/CRM
Wall Below

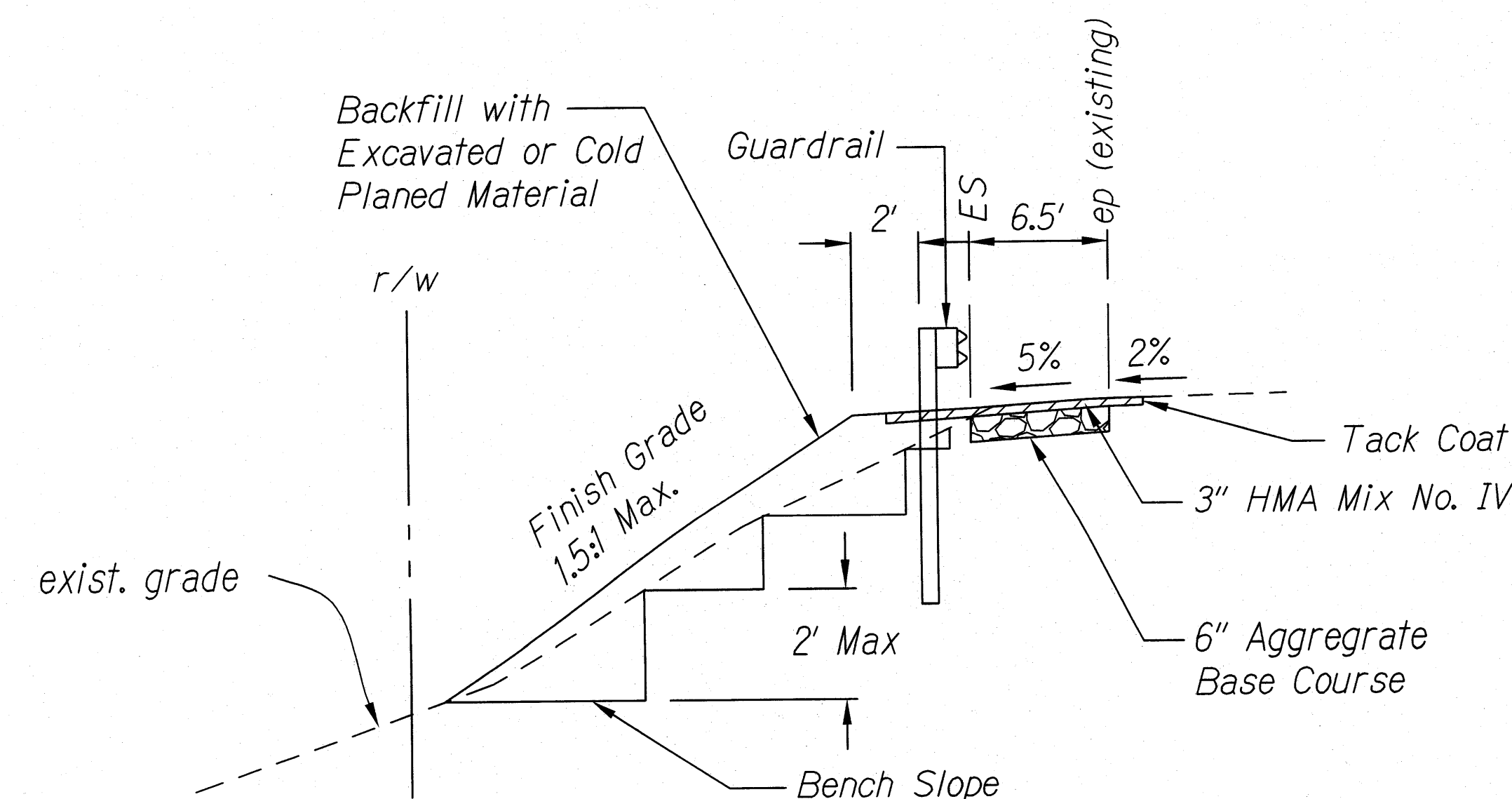
Sta 774+10 to 774+60, Rt.
Install Modified Type "A-1"
Flare (50 LF)

Sta 773+10 to 774+10, Rt.
Install W-Beam Guardrail (100 LF)
2 - 8' Posts at Sta. 773+10 to 773+20

PLAN - MP 13.81
Scale: 1"=20'



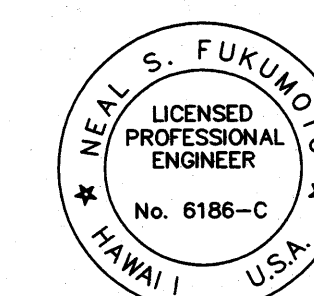
TYPICAL SECTION w/CRM WALL (13.81)
Scale: Not to Scale



TYPICAL FILL SECTION
Scale: Not to Scale

Scale: 1"=20' 20' 0 20' 40'

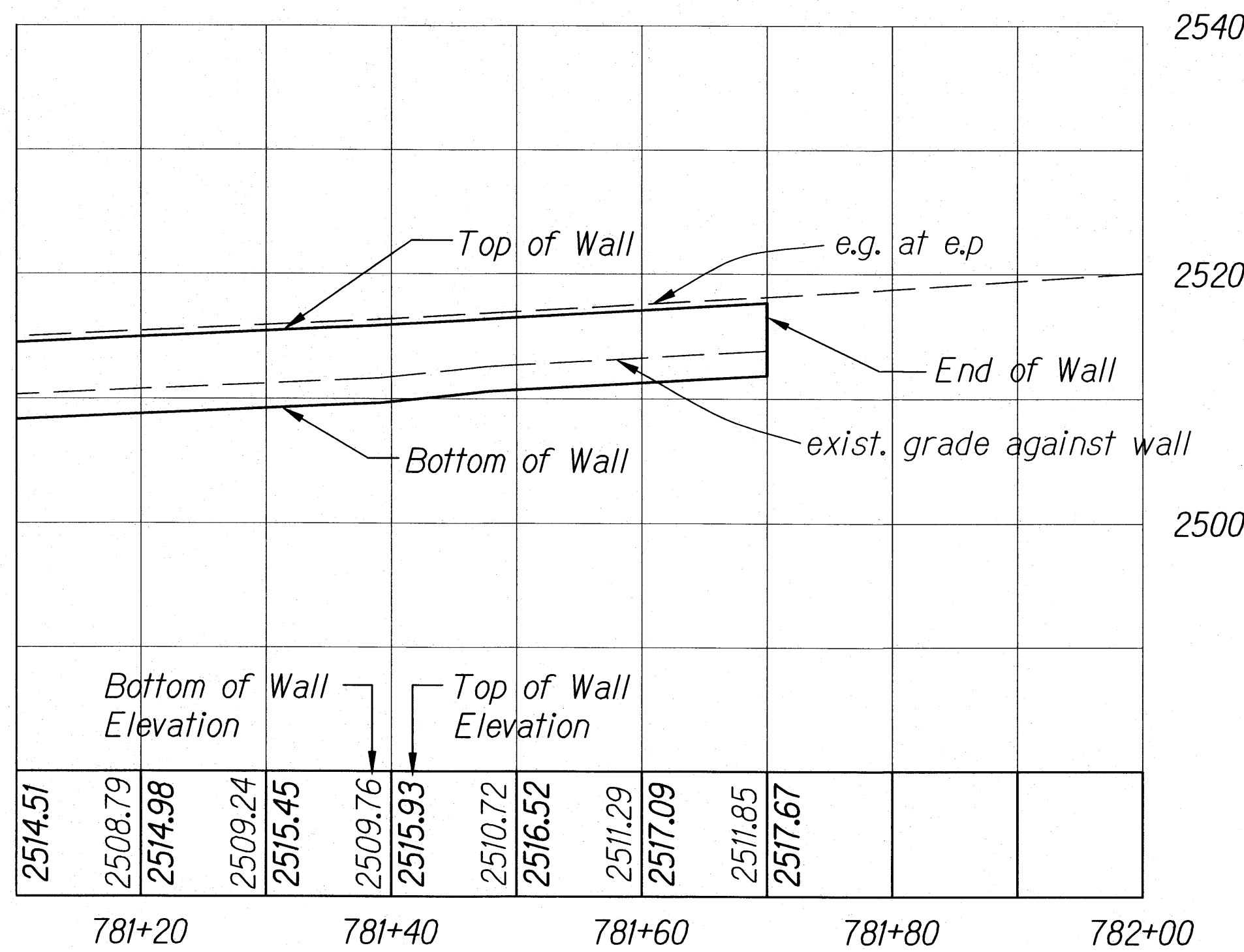
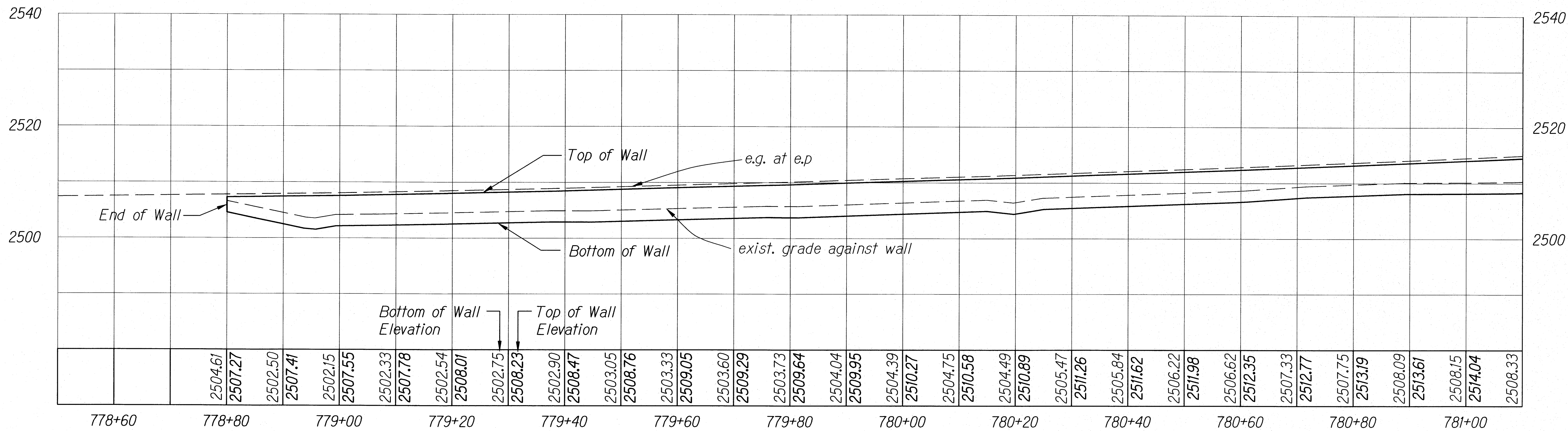
DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
DESIGNED BY	_____
CHECKED BY	_____
ORIGINAL PLAN	_____
NOTE BOOK	_____
_____	_____



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Neal S. Fukunoto
Wesley R. Segawa & Associates, Inc.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
SITE PLAN
SITE 3 - MP 13.80 TO 13.81
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. 3.2 OF 3.7 SHEETS

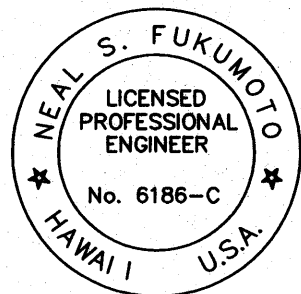
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-15(22)	2009	25	88



CRM WALL PROFILE - MP 13.80 MAKAI

Scale: 1"=10'

Scale: 1"=10' 10' 0 10' 20'



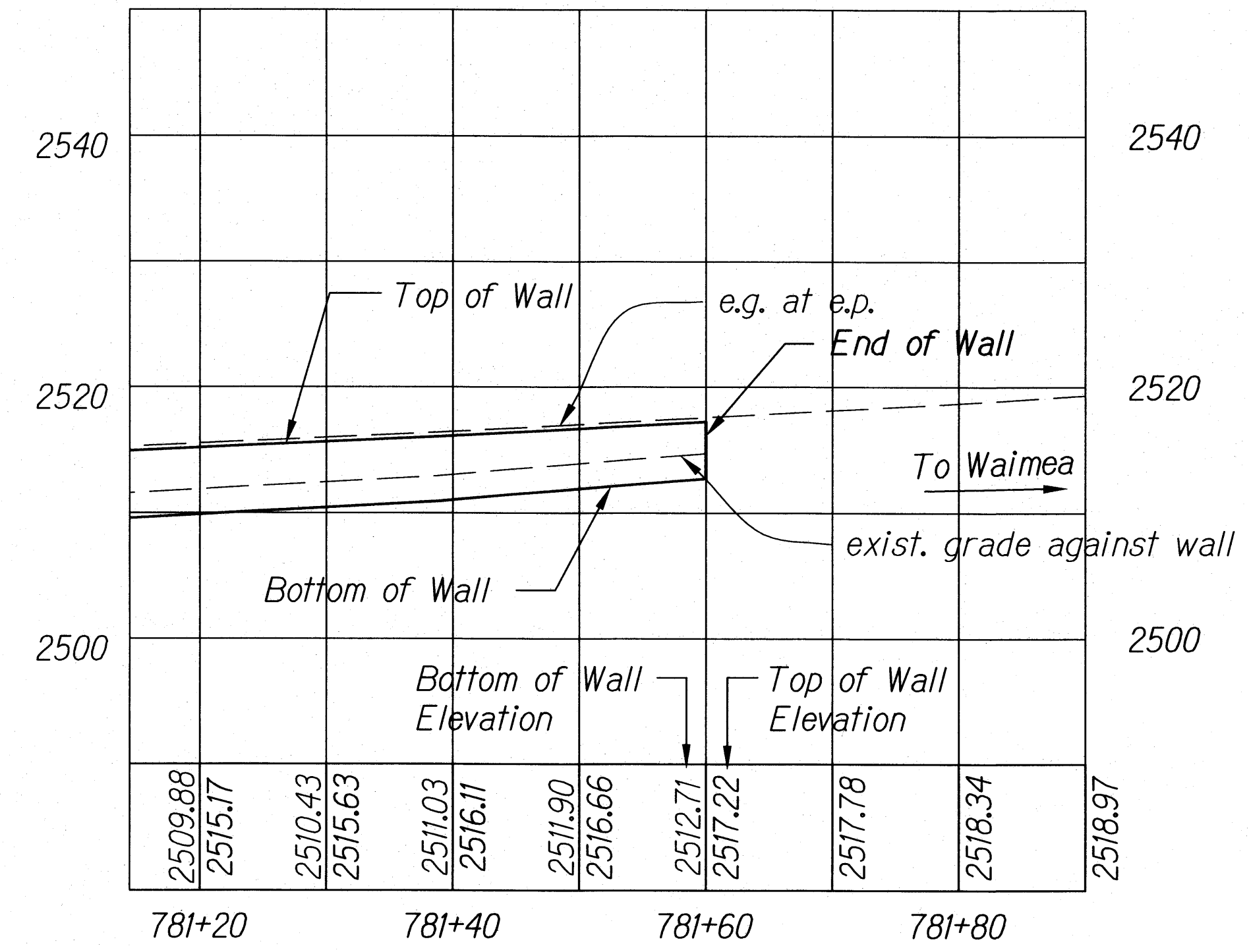
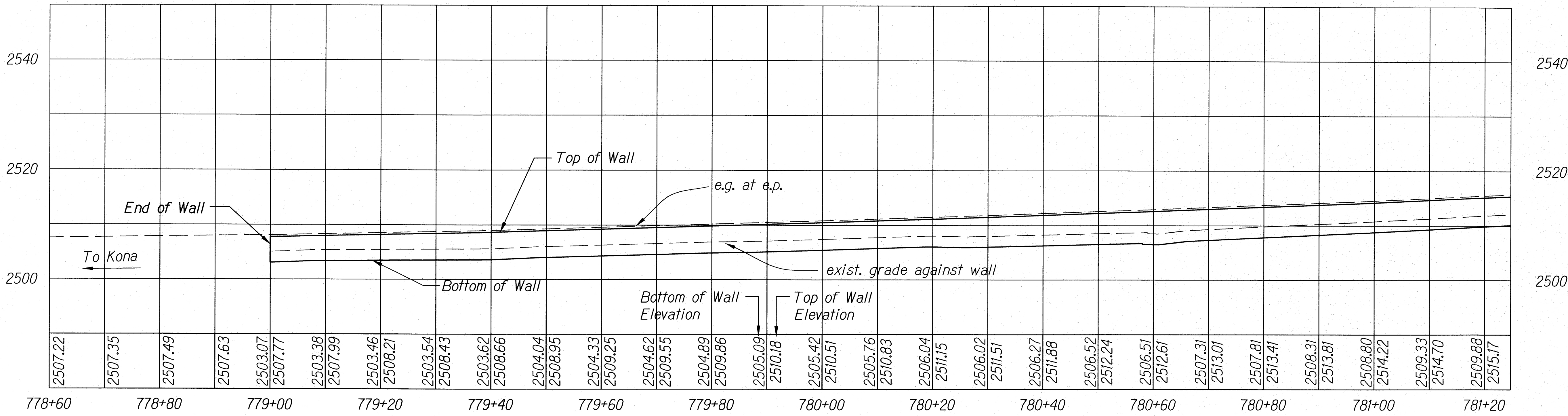
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Exp. 04-30-10

Wesley R. Grogan
Wesley R. Grogan & Associates, Inc.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
CRM WALL PROFILE
SITE 3 - MP 13.80 TO 13.81
EMERGENCY EARTHQUAKE ROCKFALL REPAIRS
VARIOUS LOCATIONS ON HAWAII, UNIT 4
Federal Aid Project No. ER-15(22)
Scale: 1"=10' Date: Dec. 2009
SHEET No. 3.3 OF 3.7 SHEETS

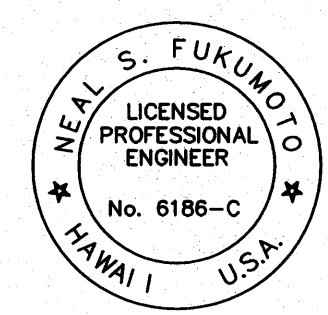
ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	DESIGNED BY	
	CHECKED BY	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-15(22)	2009	26	88



CRM WALL PROFILE - MP 13.80 MAUKA
Scale: 1"=10'

Scale: 1"=10' 10' 0 10' 20'

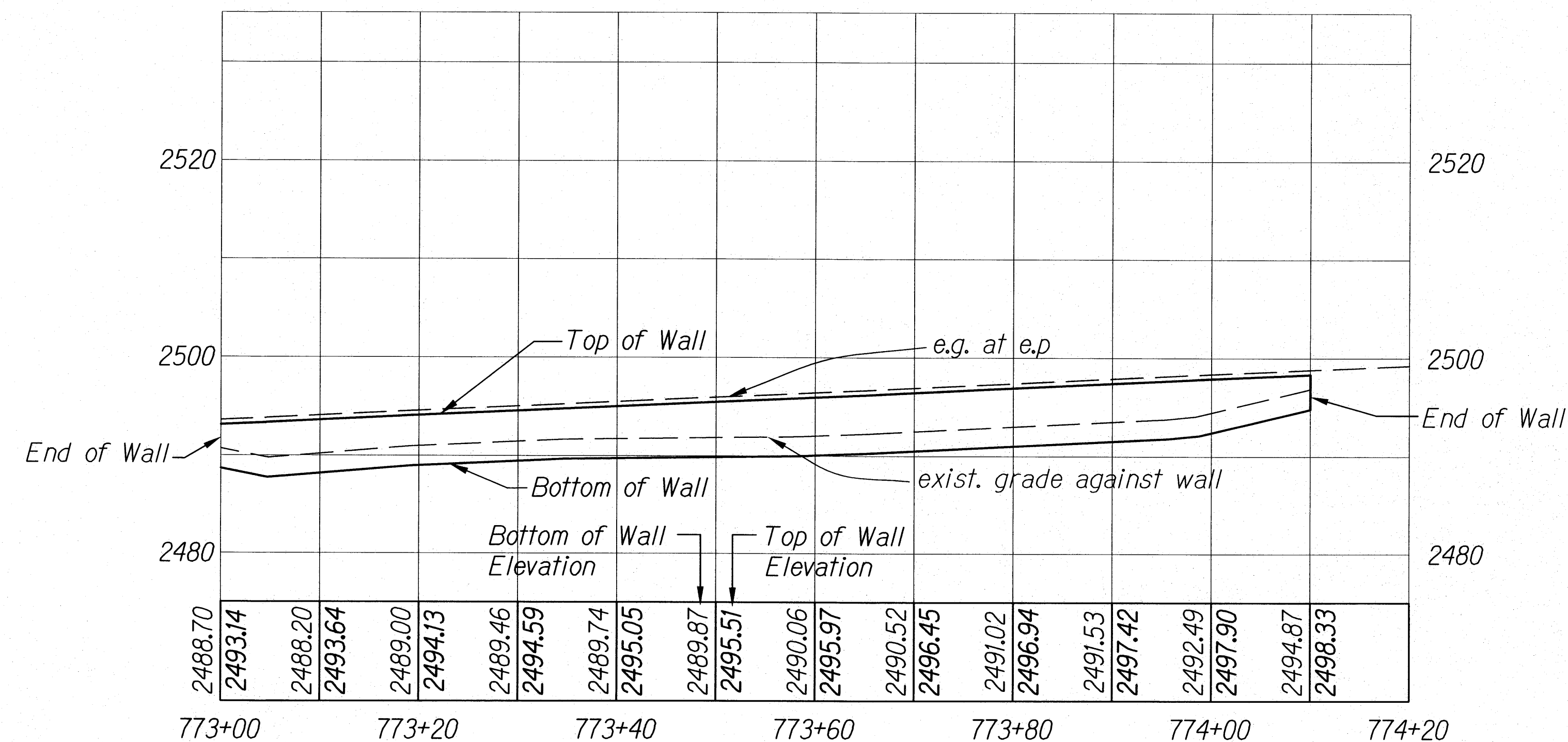


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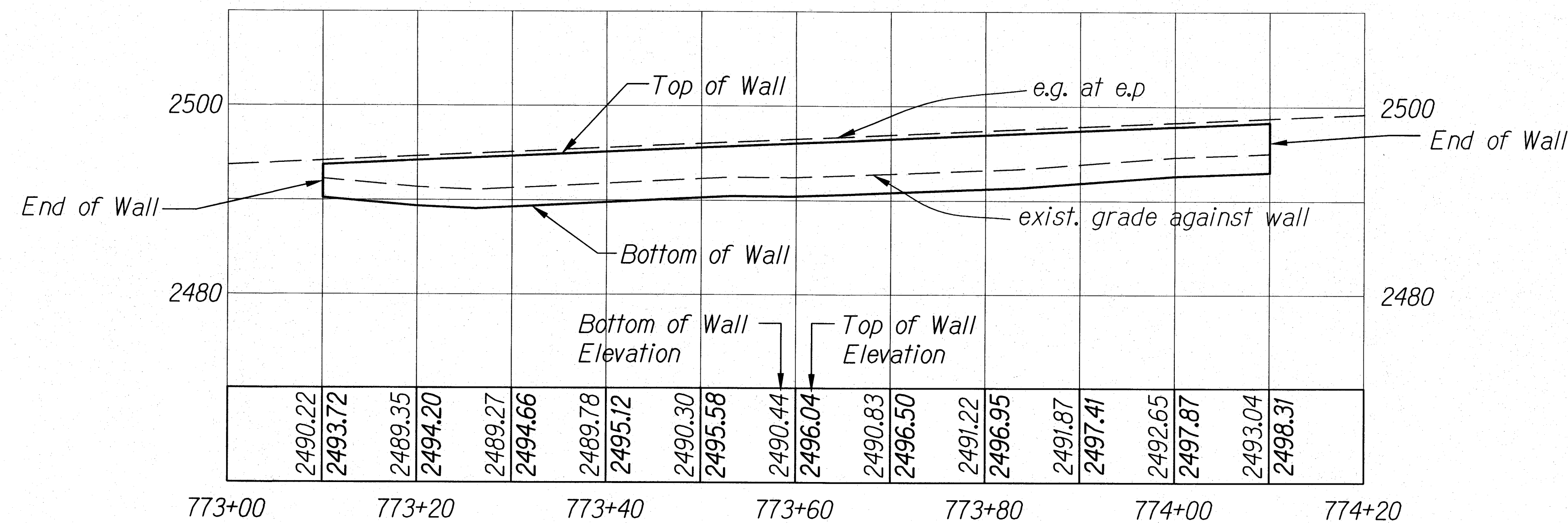
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
CRM WALL PROFILE
SITE 3 - MP 13.80 TO 13.81
EMERGENCY EARTHQUAKE ROCKFALL REPAIRS
VARIOUS LOCATIONS ON HAWAII, UNIT 4
Federal Aid Project No. ER-15(22)
Scale: 1"=10' Date: Dec. 2009
SHEET No. 3.4 OF 3.7 SHEETS

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

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-15(22)	2009	27	88

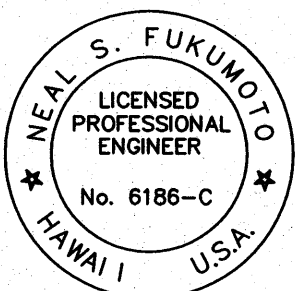


CRM WALL PROFILE - MP 13.81 MAKAI
Scale: 1"=10'



CRM WALL PROFILE - MP 13.81 MAUKA
Scale: 1"=10'

Scale: 1"=10' 10' 0 10' 20'

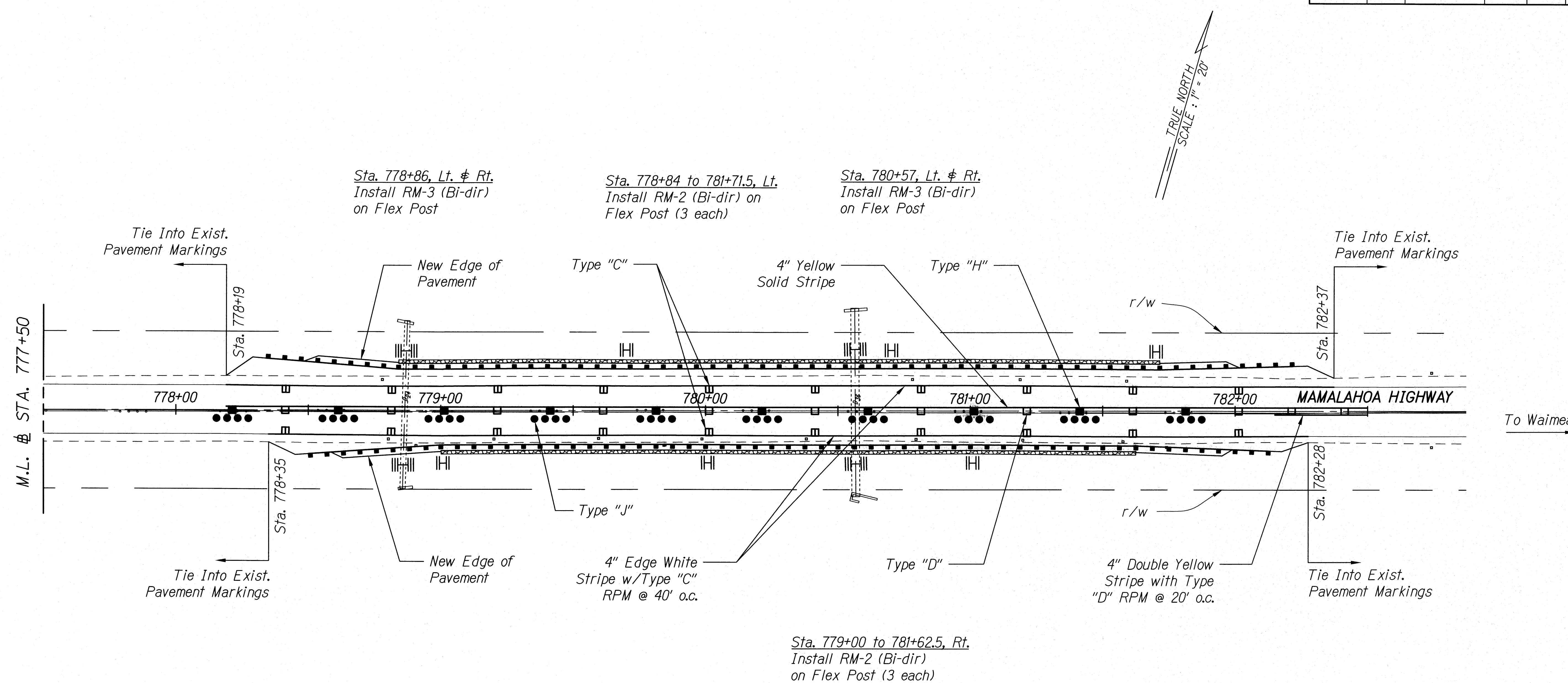


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Wesley R. Segawa
Wesley R. Segawa & Associates, Inc.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
CRM WALL PROFILE
SITE 3 - MP 13.80 TO 13.81
EMERGENCY EARTHQUAKE ROCKFALL REPAIRS
VARIOUS LOCATIONS ON HAWAII, UNIT 4
Federal Aid Project No. ER-15(22)
Scale: 1"=10' Date: Dec. 2009
SHEET No. 3.5 OF 3.7 SHEETS

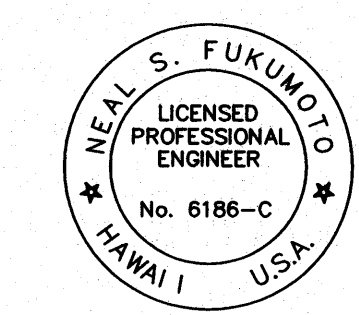
ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
No.	DESIGNED BY	
	CHECKED BY	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-15(22)	2009	28	88



STRIPING PLAN - MP 13.80
Scale: 1"=20'

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



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Exp. 04-30-10
Wesley R. Segawa
Wesley R. Segawa & Associates, Inc.

Scale: 1"=20' 20' 0 20' 40'

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

STRIPING PLAN

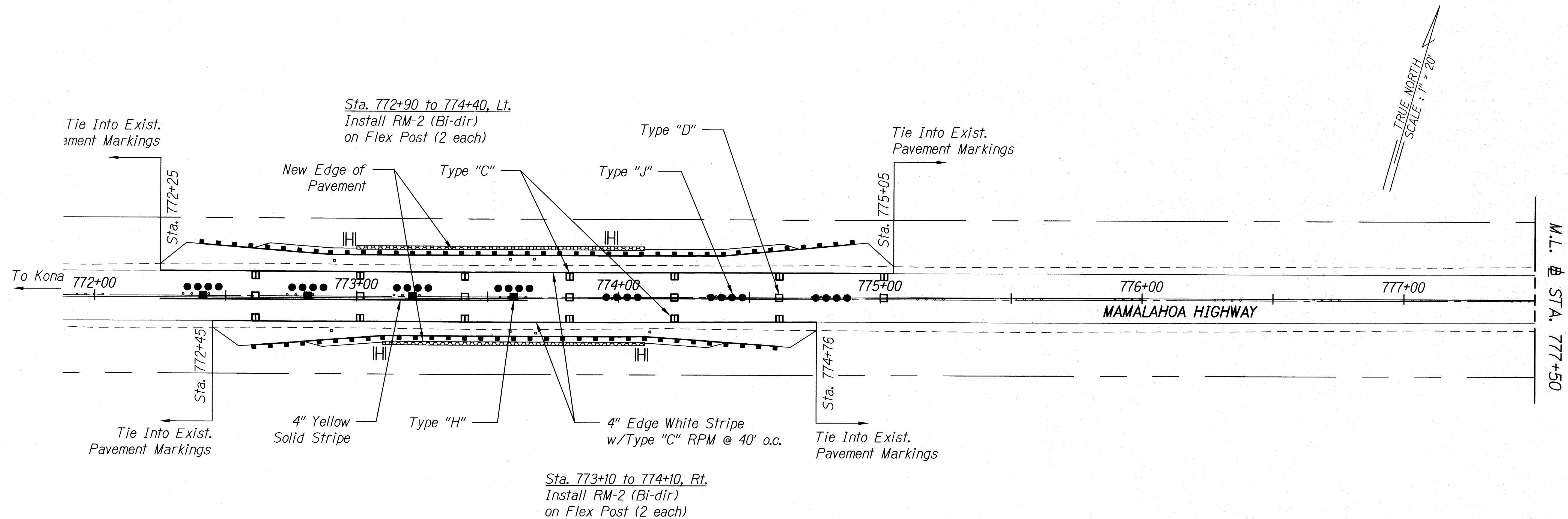
SITE 3 - MP 13.80 TO 13.81

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

Scale: 1"=20' Date: Dec. 2009

SHEET No. 3.7 OF 3.7 SHEETS

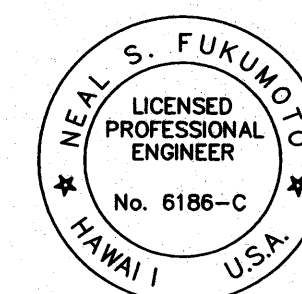
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-15(22)	2009	29	88



STRIPING PLAN - MP 13.81
Scale: 1"=20'

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

Scale: 1"=20' 20' 0 20' 40'



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Exp. 04-30-10
Neal S. Fukunoto
Wesley R. Segawa & Associates, Inc.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

STRIPING PLAN

SITE 3 - MP 13.80 TO 13.81

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

Scale: As Shown Date: Dec. 2009

SHEET No. 3.6 OF 3.7 SHEETS