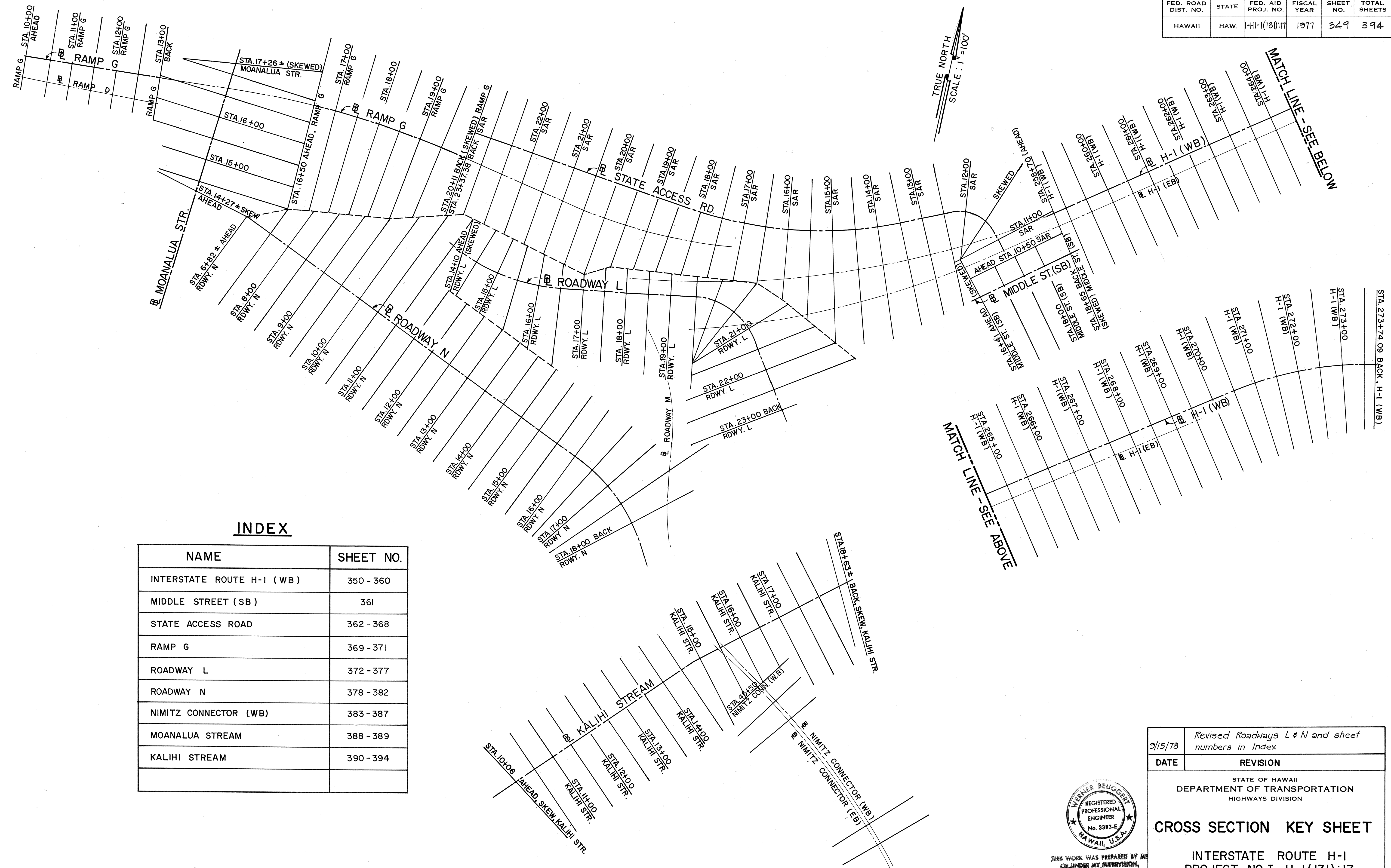


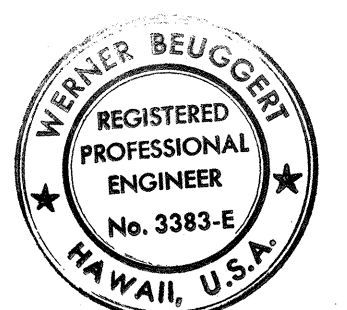
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-H-1(13):17	1977	349	394



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NAME	SHEET NO.
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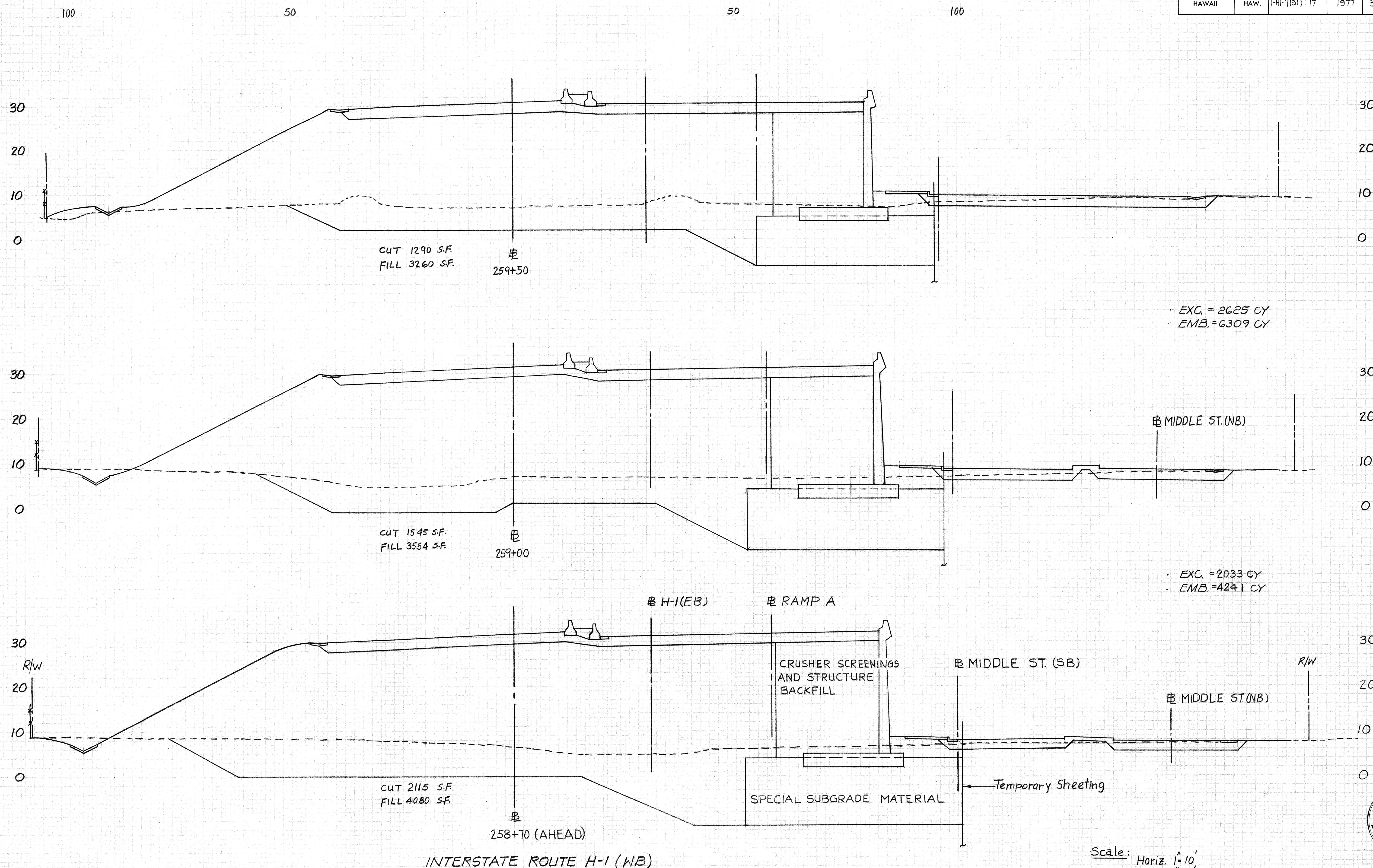
SURVEY PLOTTED BY	DATE
DESIGNED BY	
NOTED BY	
CHECKED BY	



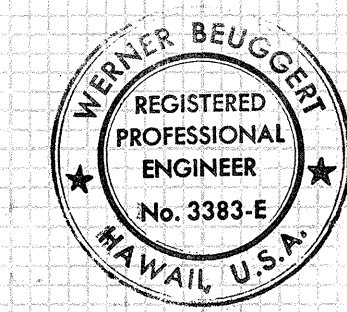
THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION,
Werner Beuggert

9/15/78	Revised Roadways L & N and sheet numbers in Index
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
CROSS SECTION KEY SHEET	
INTERSTATE ROUTE H-1 PROJECT NO. 1-H-1(13):17	
SCALE: 1" = 100'	DATE: AUG. 31, 1977
SHEET NO. 1 OF 1 SHEETS	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	H-1(131):17	1977	350	394



Scale: Horiz. 1" = 10'
Vert. 1" = 10'

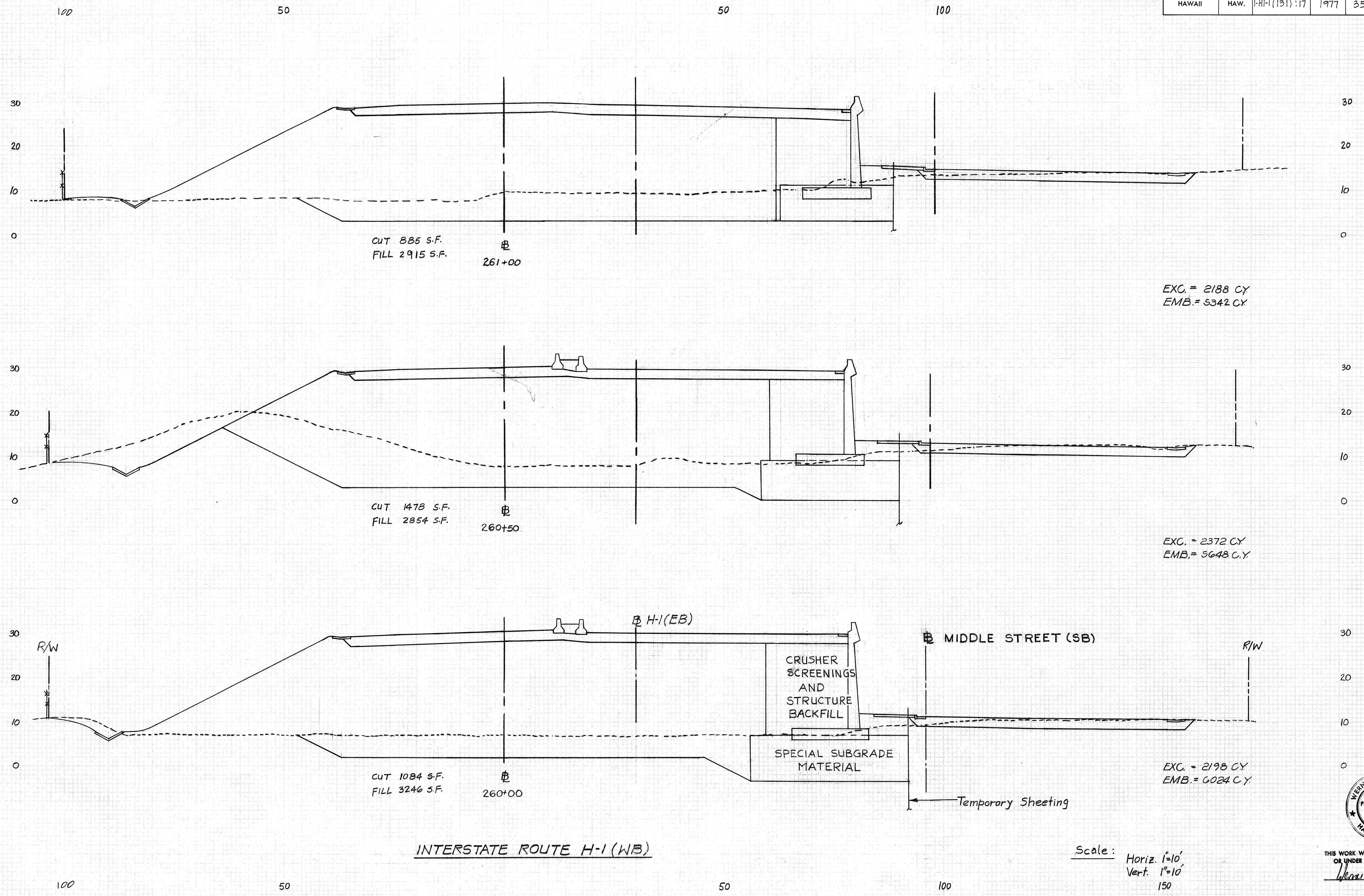


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Rev. 12/18/78

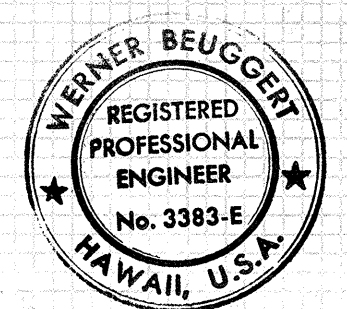
C.O. 350

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	H-1(131):17	1977	351	394



INTERSTATE ROUTE H-1 (WB)

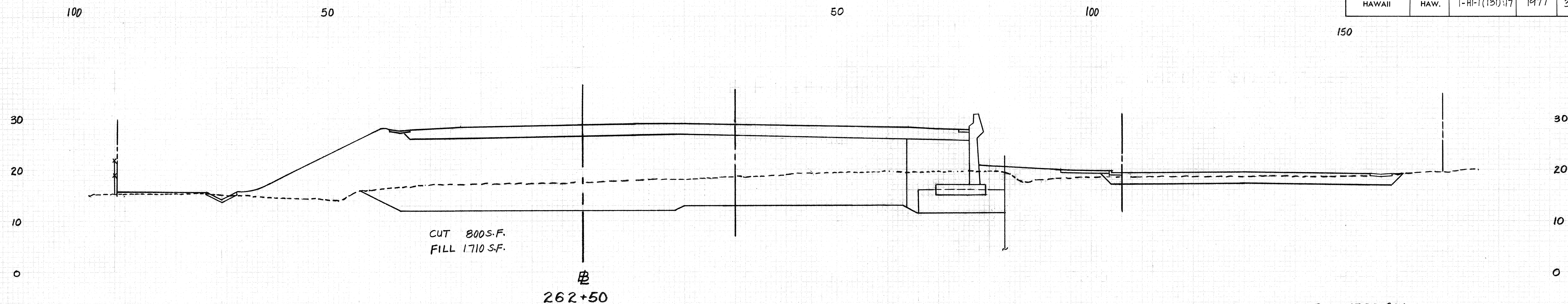
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Vert. 1"=10'
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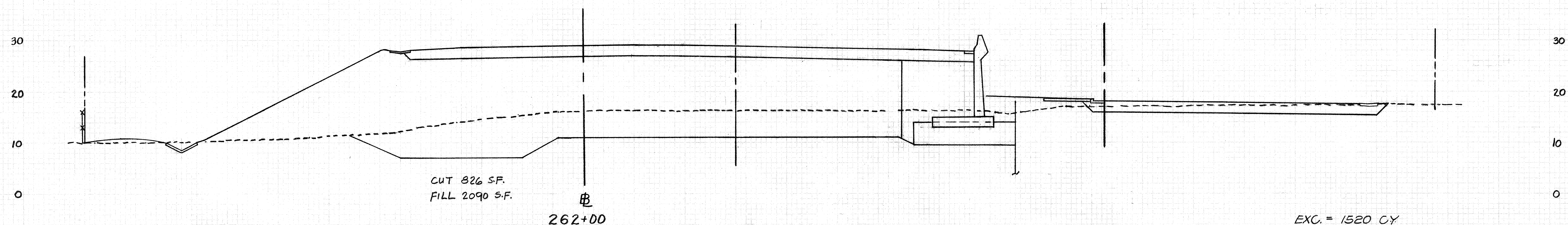
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FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-H-1(13)17	1977	352	394

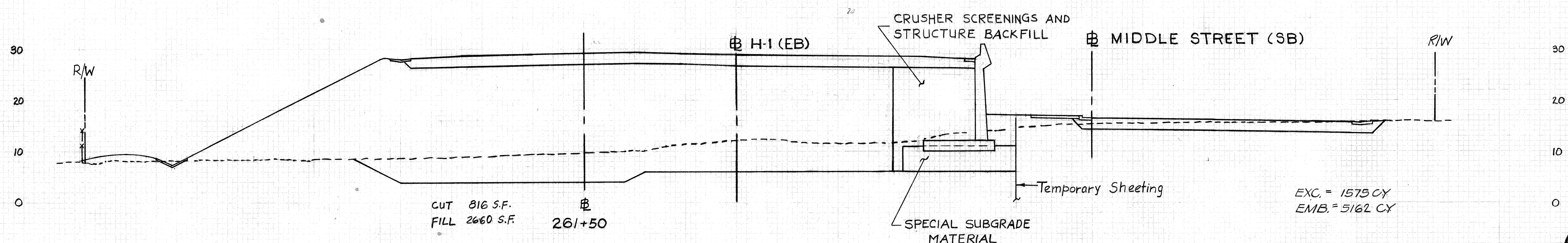
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EMB. = 3518 CY



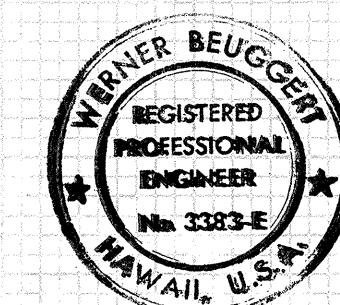
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EXC. = 1575 CY
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INTERSTATE ROUTE H-1 (WB)

Scale: Horiz. 1"=10'
Vert. 1"=10'

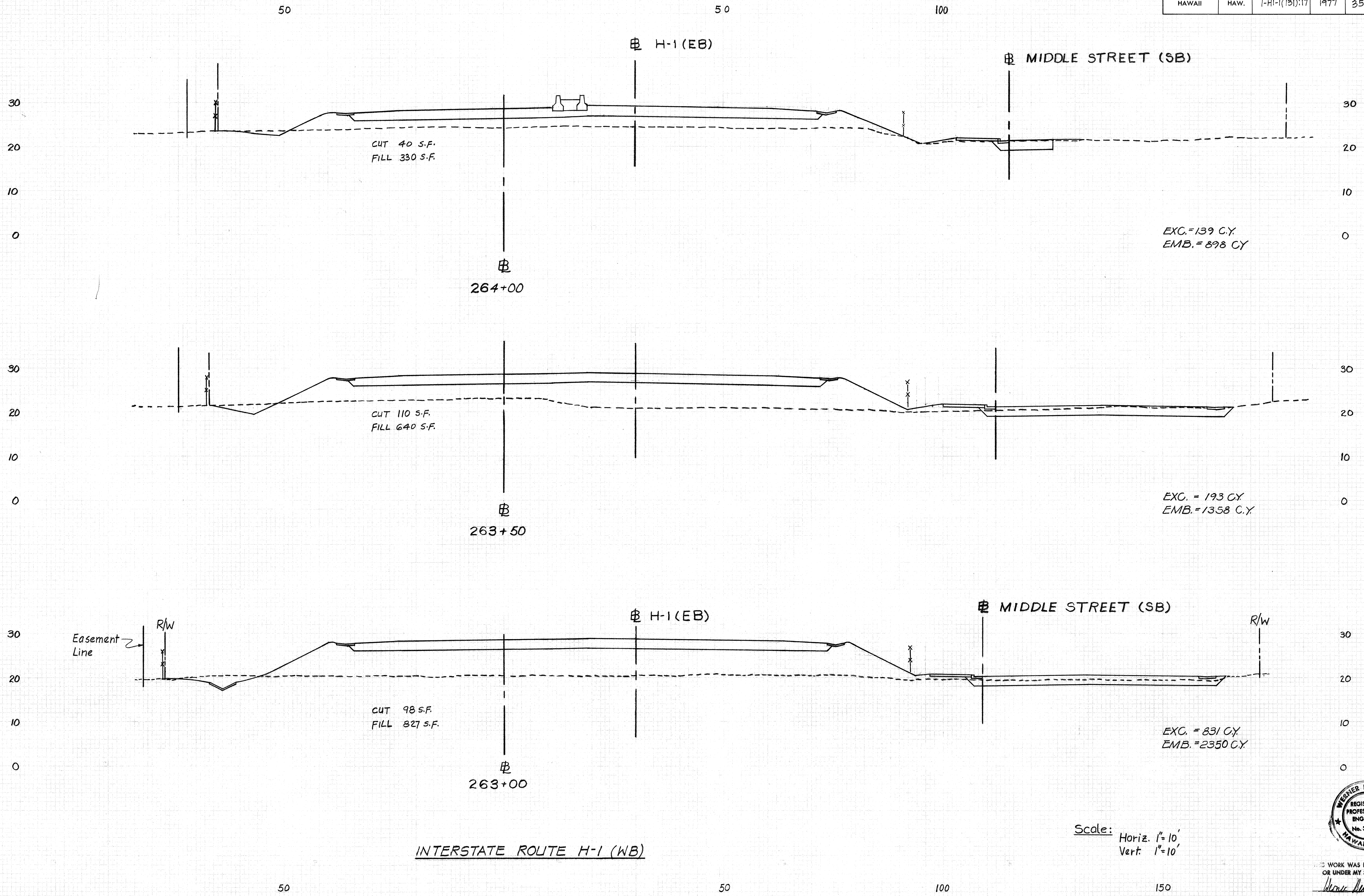


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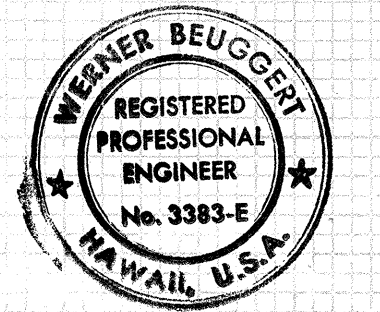
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FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H-1(131):17	1977	353	394



INTERSTATE ROUTE H-1 (WB)

Scale: Horiz. 1"=10'
Vert. 1"=10'

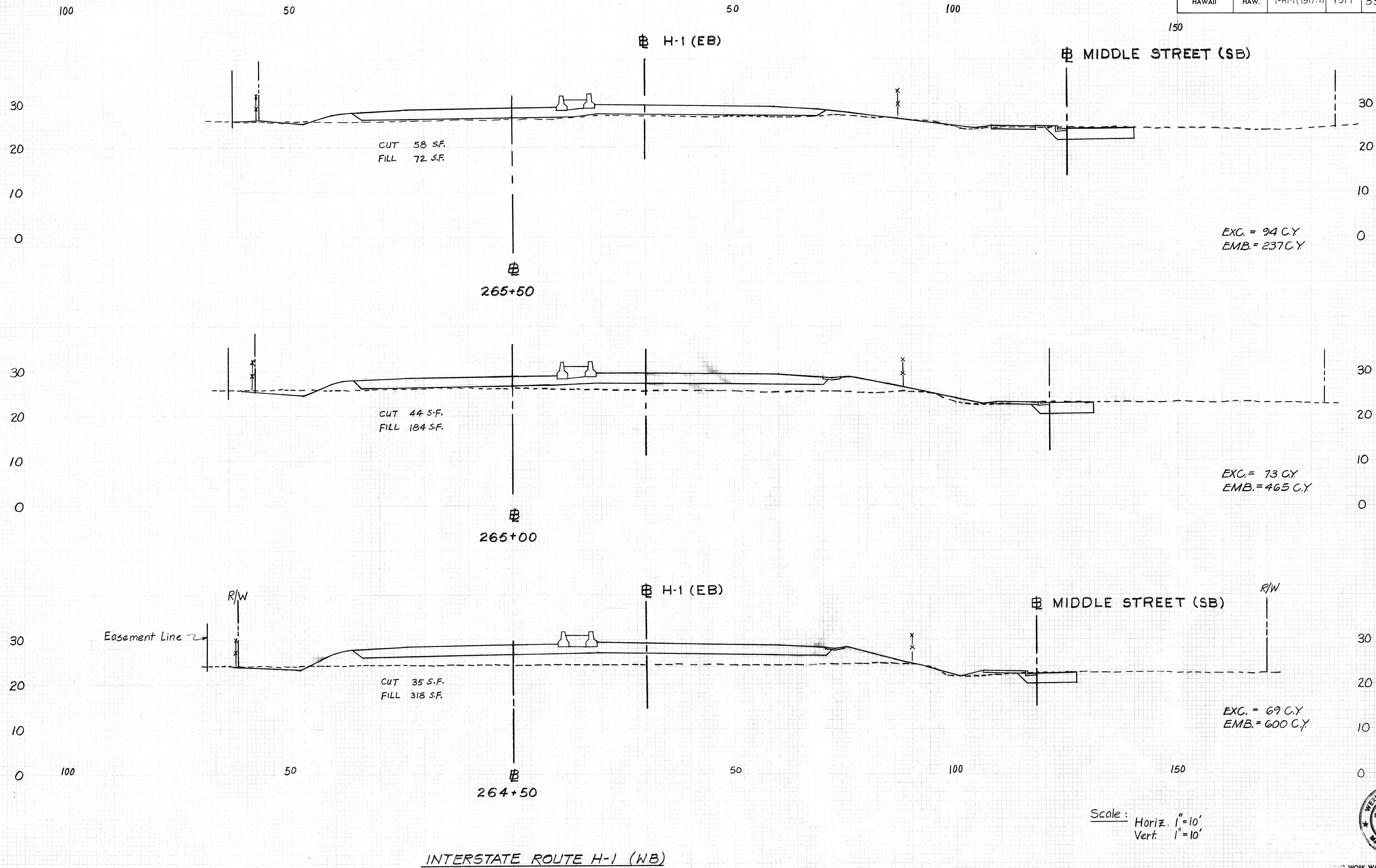


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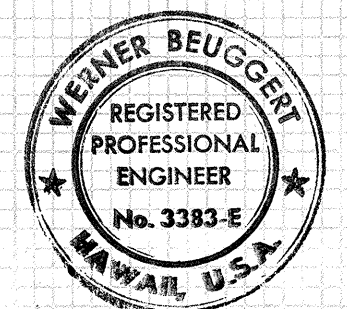
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HAWAII	HAW.	1-H1-1(131):17	1977	354	394

DATE: _____
BY: _____
CHECKED: _____
APPROVED: _____
NO. _____

DATE: _____
BY: _____
CHECKED: _____
APPROVED: _____
NO. _____

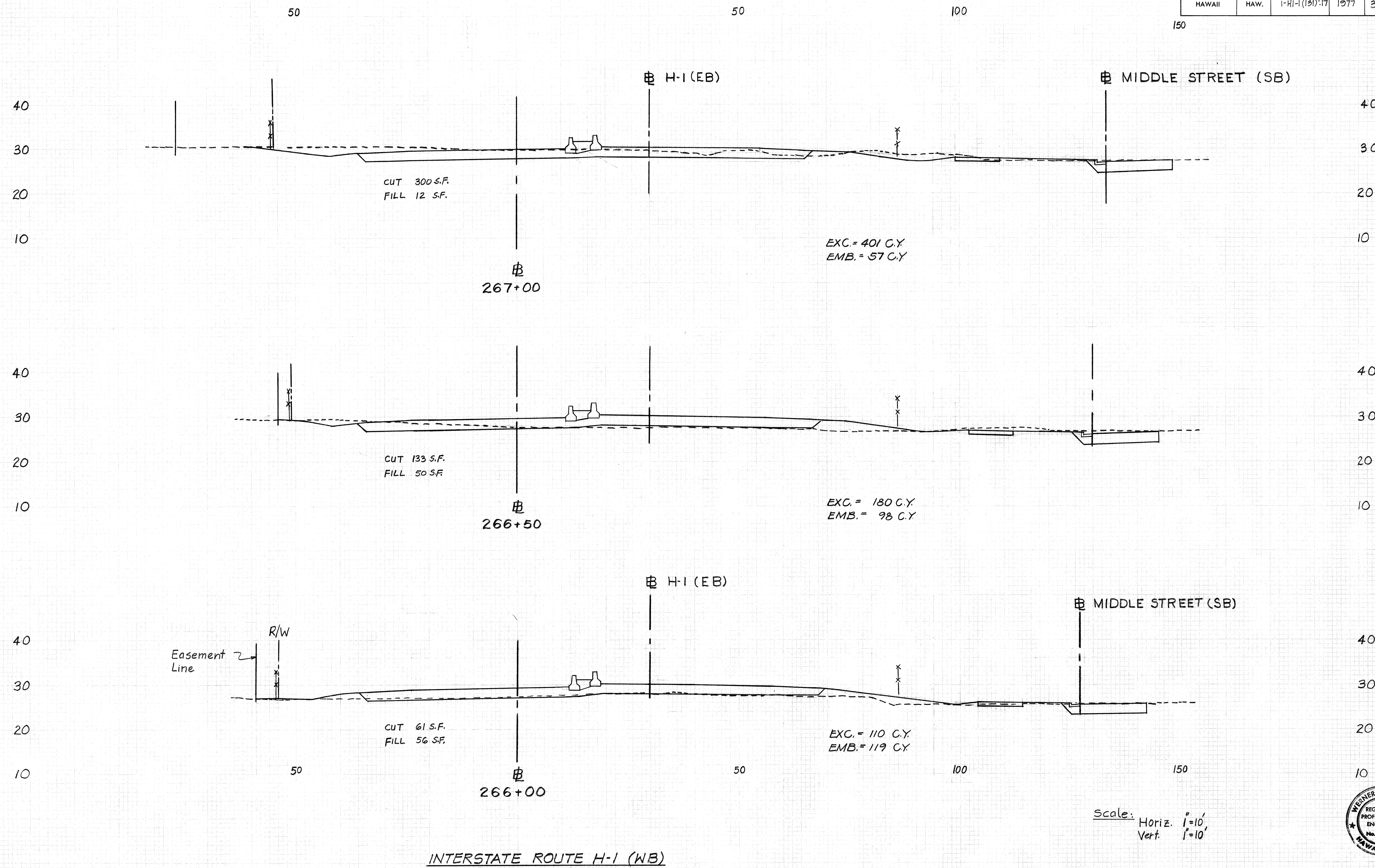


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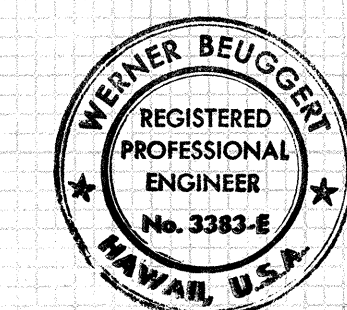


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FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-H1-1 (191) 17	1977	355	394



Scale: Horiz. 1"=10'
Vert. 1"=10'

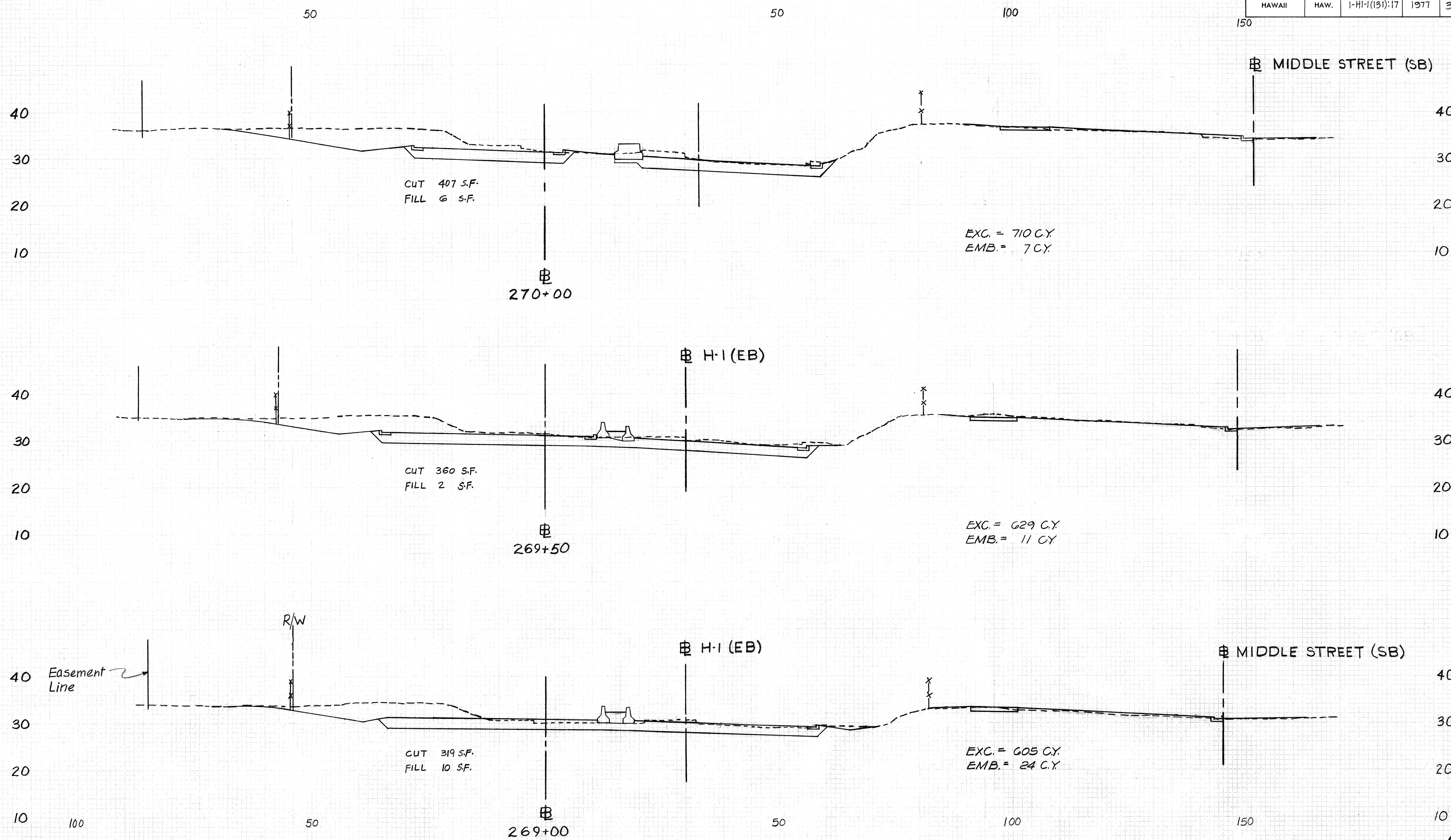


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FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H-1(131):17	1977	357	394

TOTAL
 SURVEY
 DATE BOOK
 NO.

TOTAL
 SURVEY
 DATE BOOK
 NO.

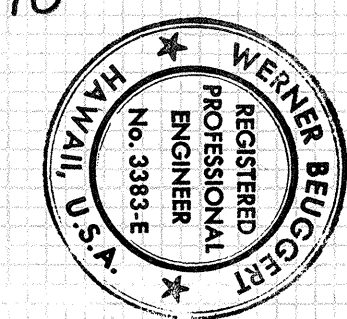
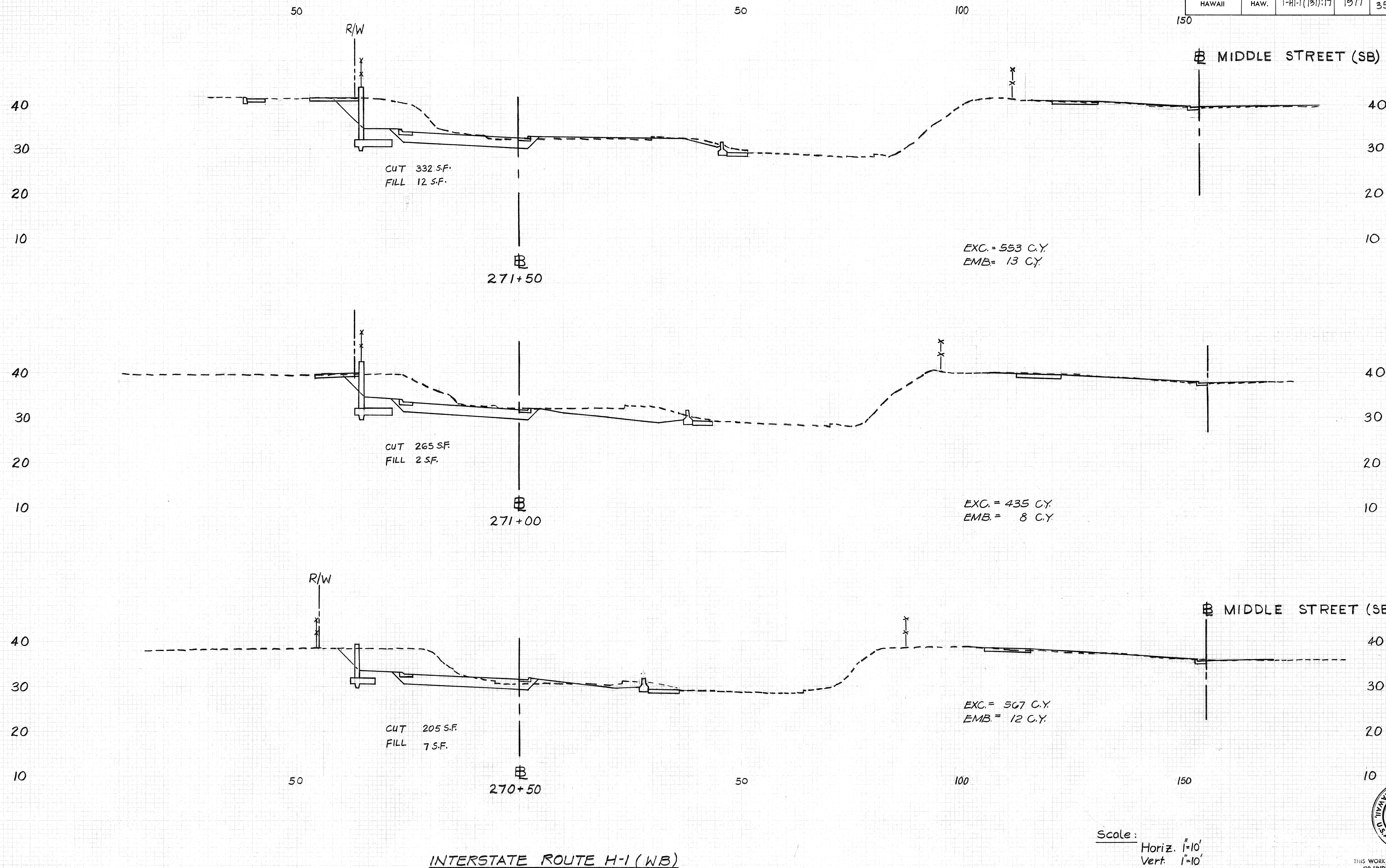


INTERSTATE ROUTE H-1 (WB)

Scale:
 Horiz. 1"=10'
 Vert. 1"=10'

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 [Signature]
 REGISTERED PROFESSIONAL ENGINEER
 HAWAII, U.S.A.
 No. 3383-E
 WERNER BEIGENT

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-HI-1(121):17	1977	358	394



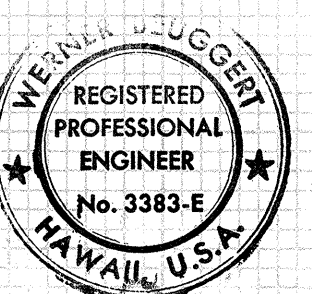
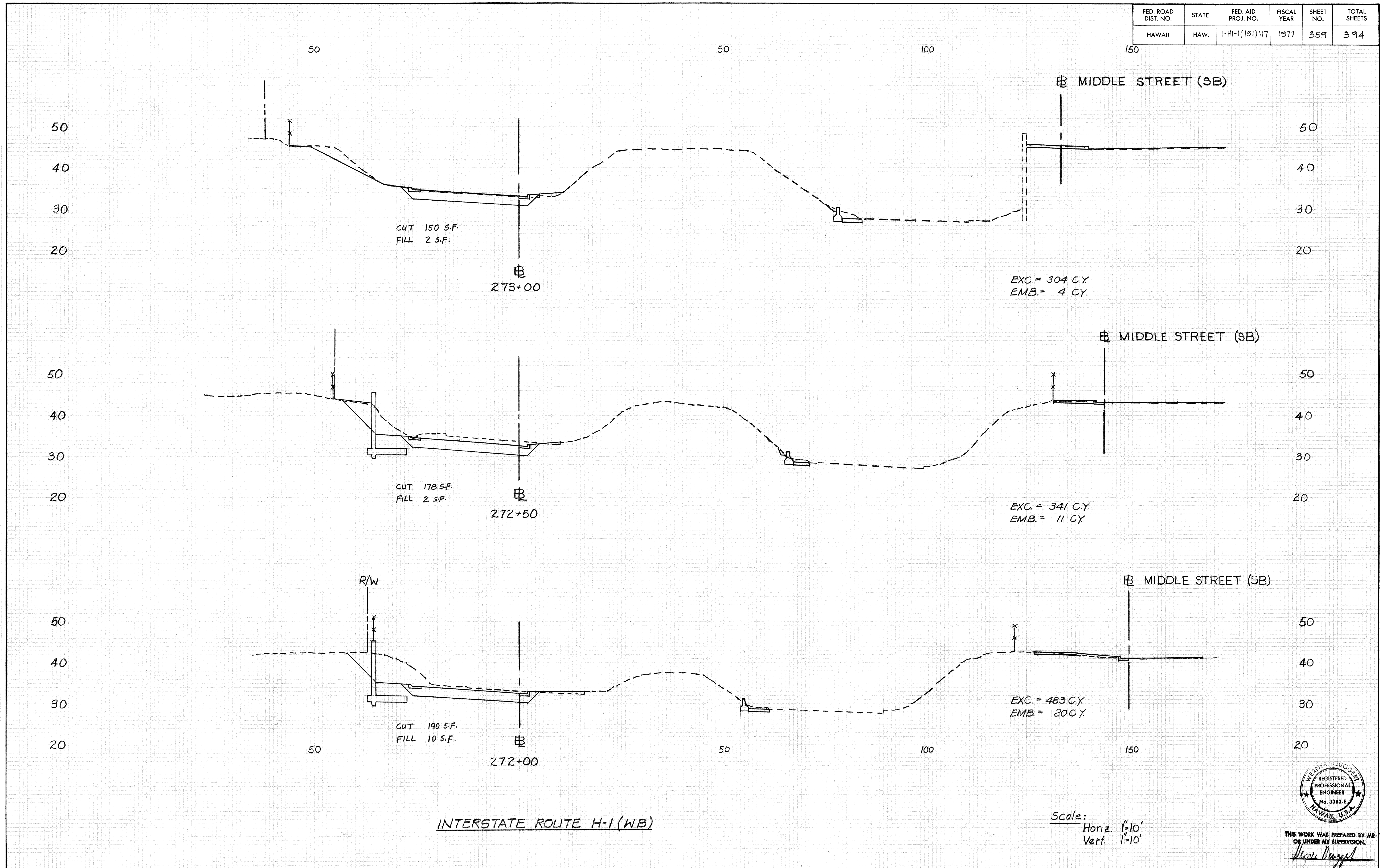
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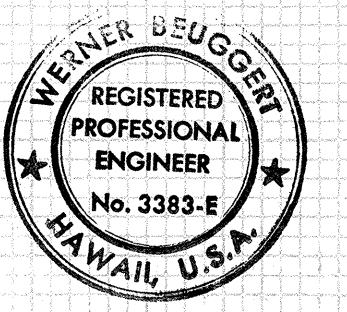
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HAWAII	HAW.	1-HI-1(131):17	1977	359	394

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DESIGNED	PLANNED
NOTED	DATE
NO.	NO.

DATE	BY
DESIGNED	PLANNED
NOTED	DATE
NO.	NO.



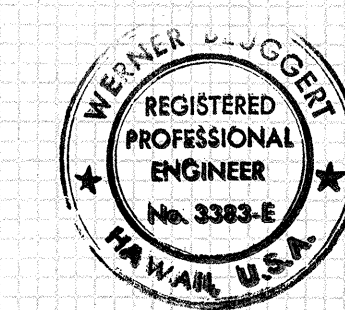
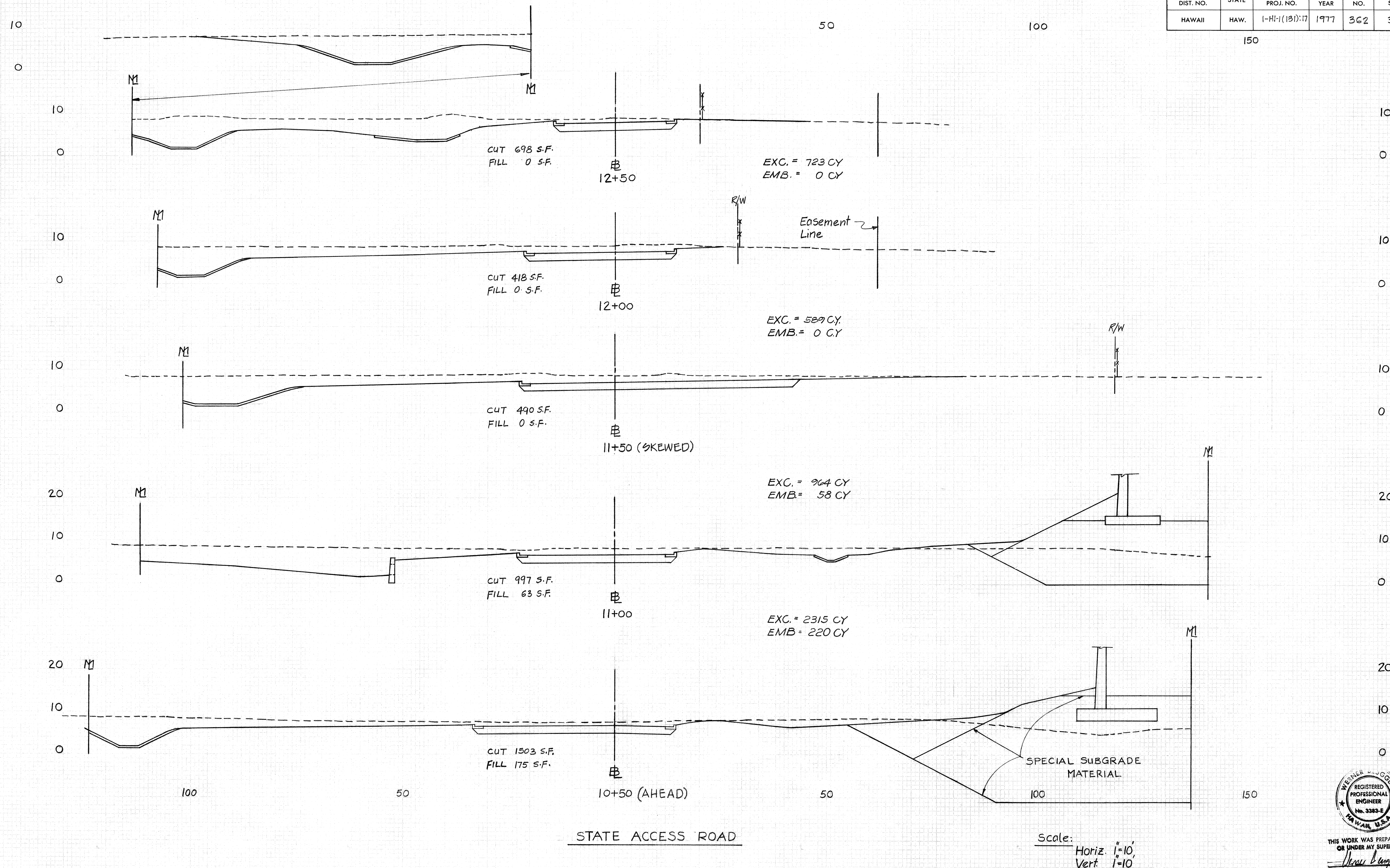
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James Huggel



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Werner Huggert

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-HI-1(131):17	1977	362	394

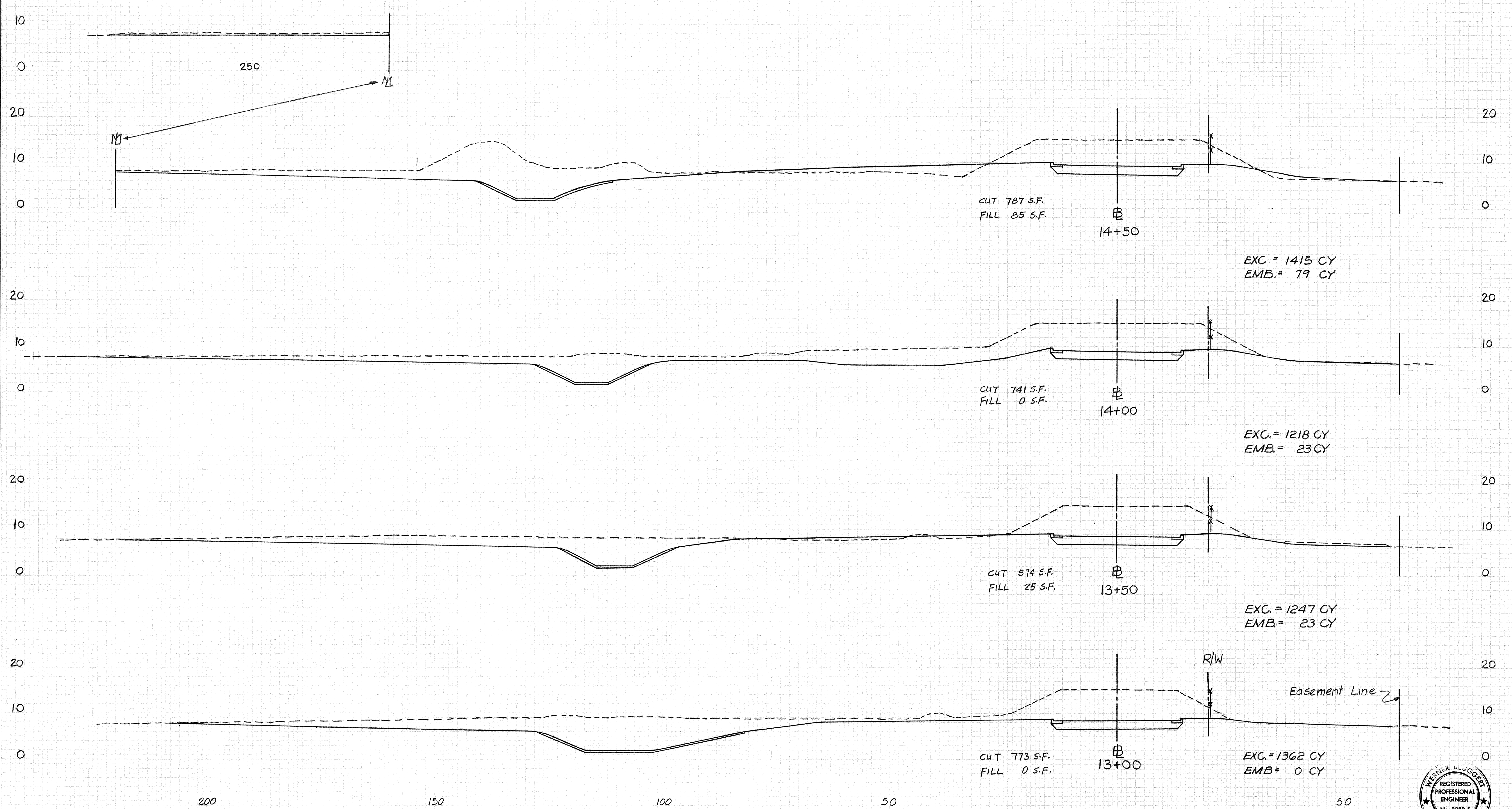
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Werner J. Jorgensen

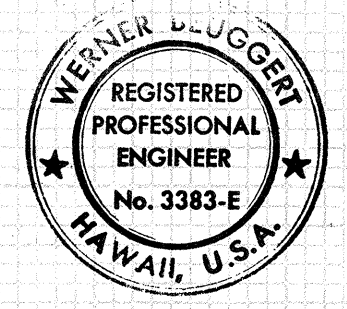
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-H1-1(131):17	1977	363	394

50



STATE ACCESS ROAD

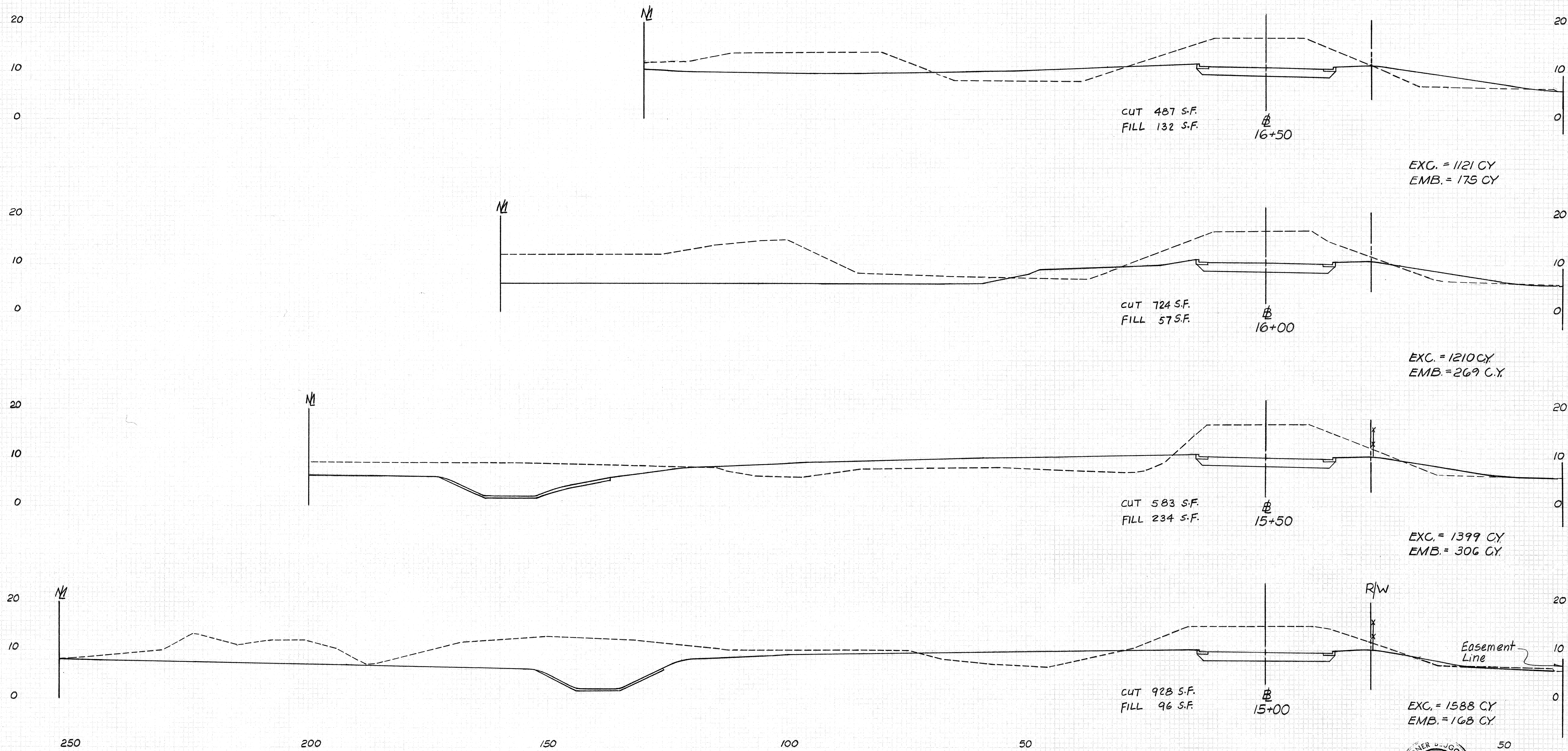
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Horiz. 1"=10'
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Werner Duggert

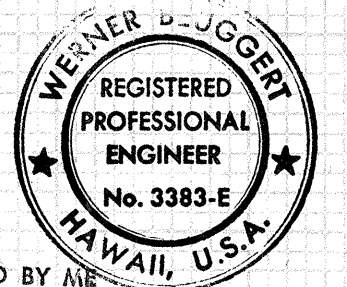
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-HI-1 (131) 17	1977	364	394

50



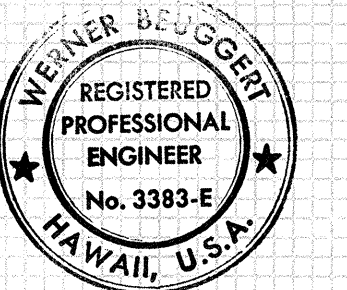
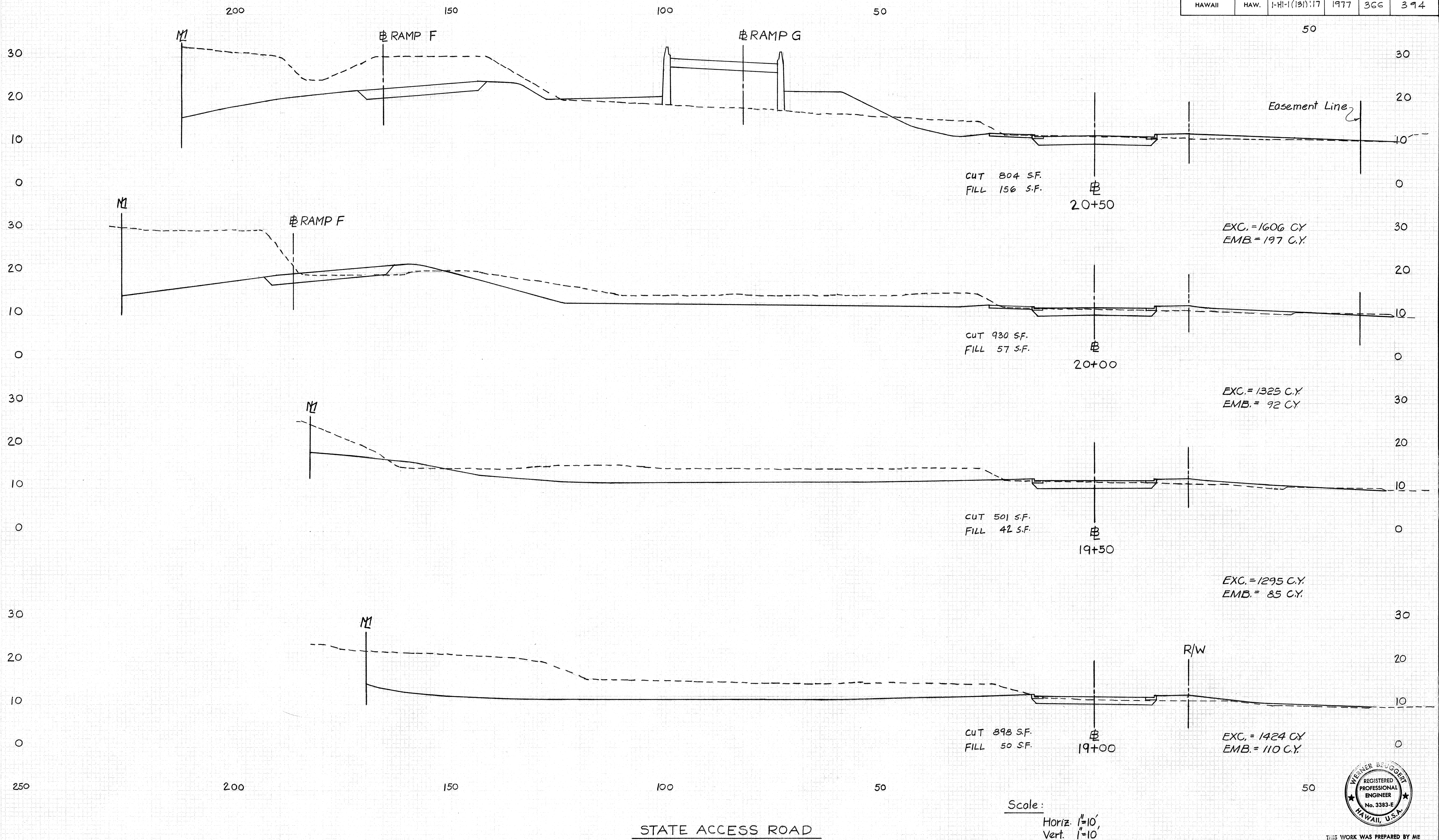
STATE ACCESS ROAD

Scale:
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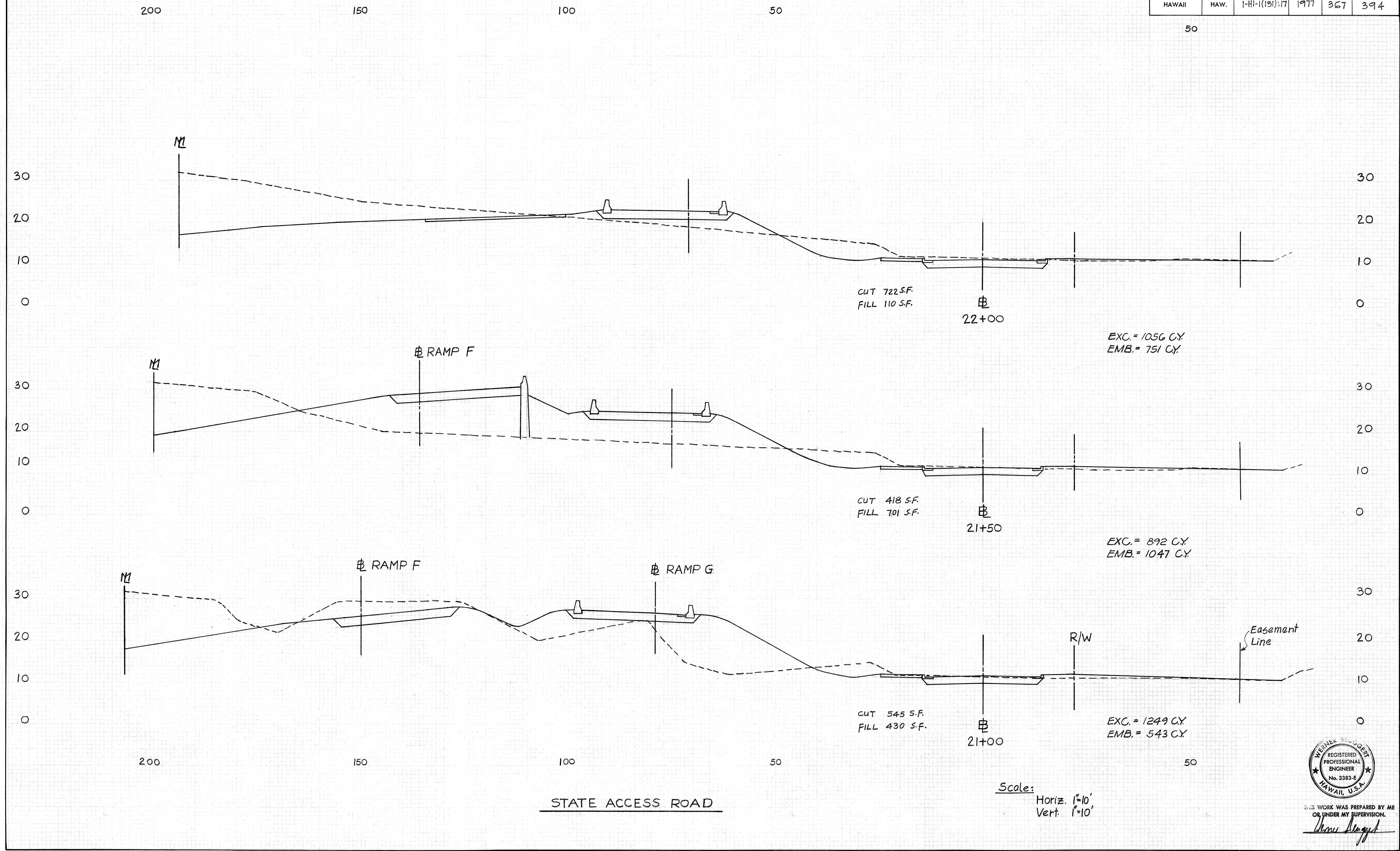
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Werner D. Jorgensen

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-HI-1(131):17	1977	366	394



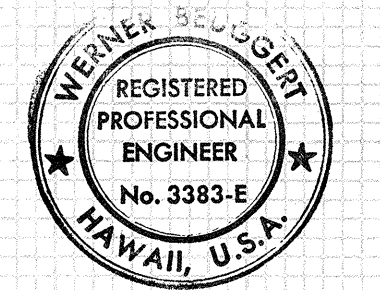
THIS WORK WAS PREPARED BY ME
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Werner Bruggert

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-H1-1(131):17	1977	367	394



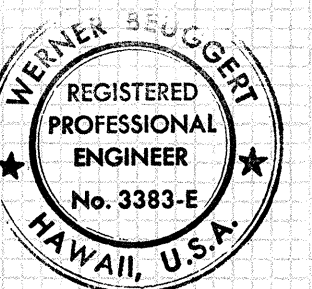
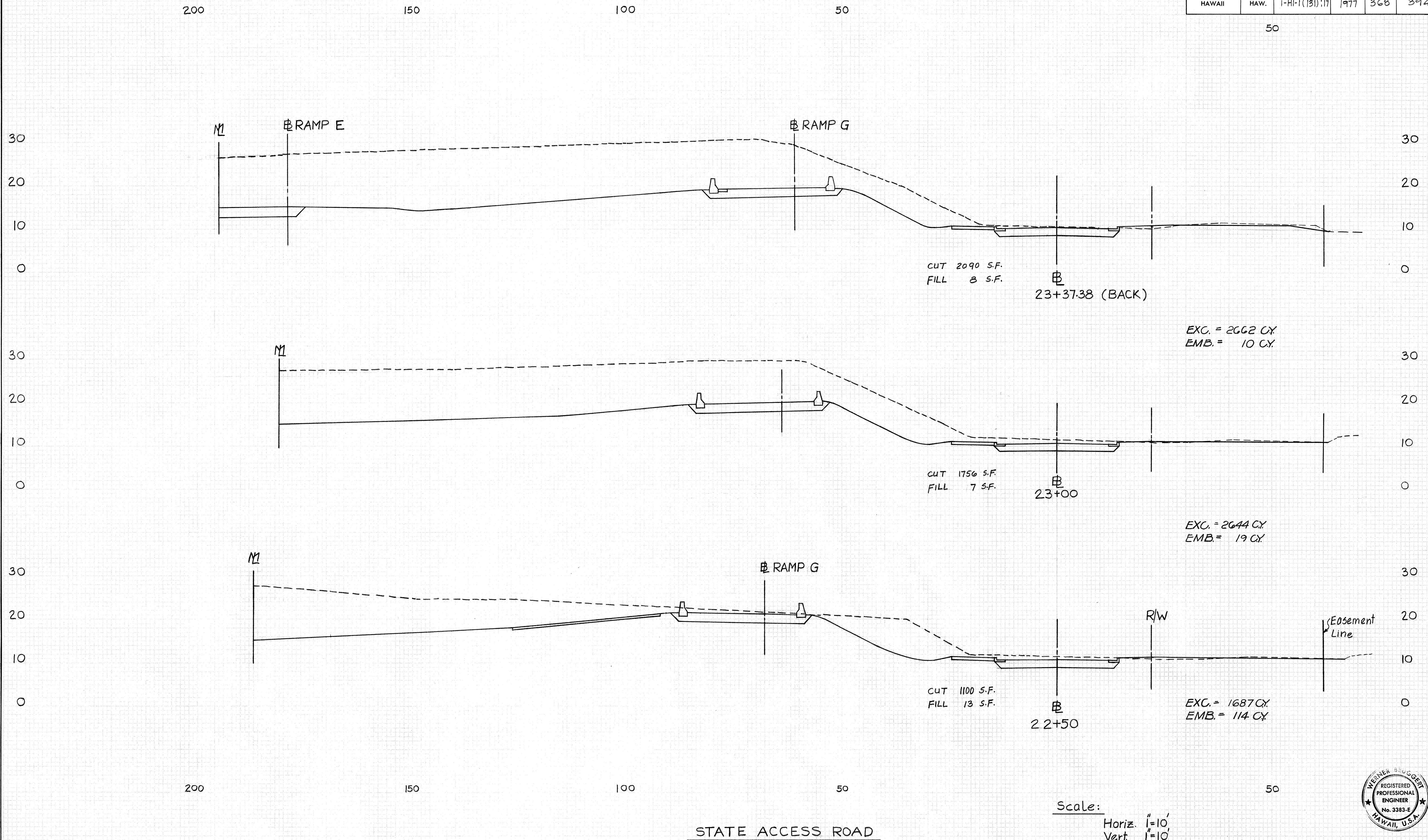
STATE ACCESS ROAD

Scale: Horiz. 1"=10'
Vert. 1"=10'



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FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-HI-1(131):17	1977	368	394



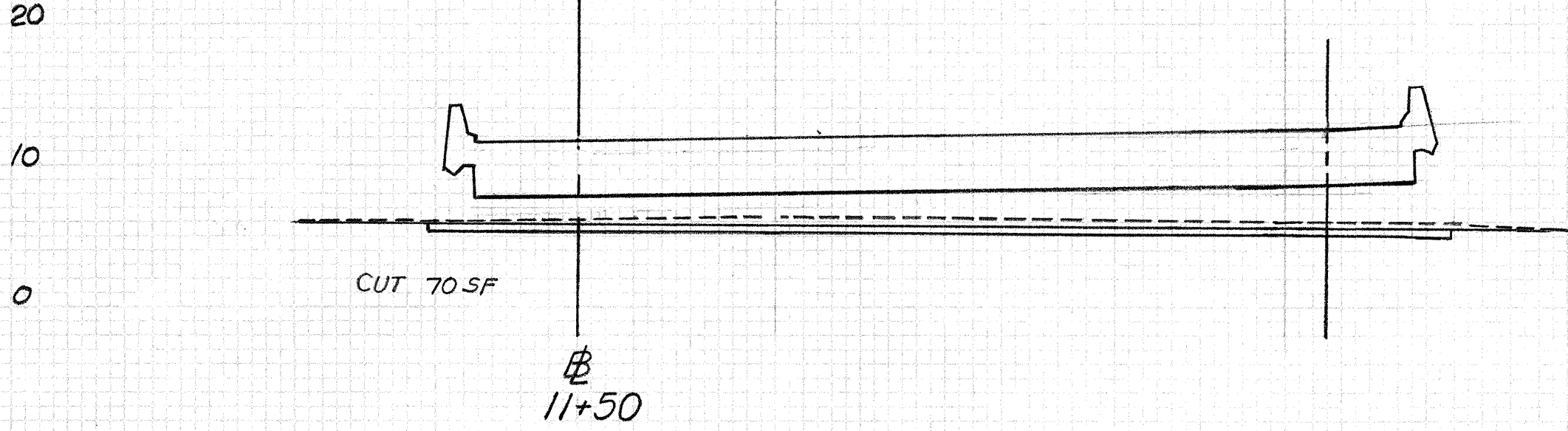
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Werner Seugert

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-HI-1(13)17	1977	369	394

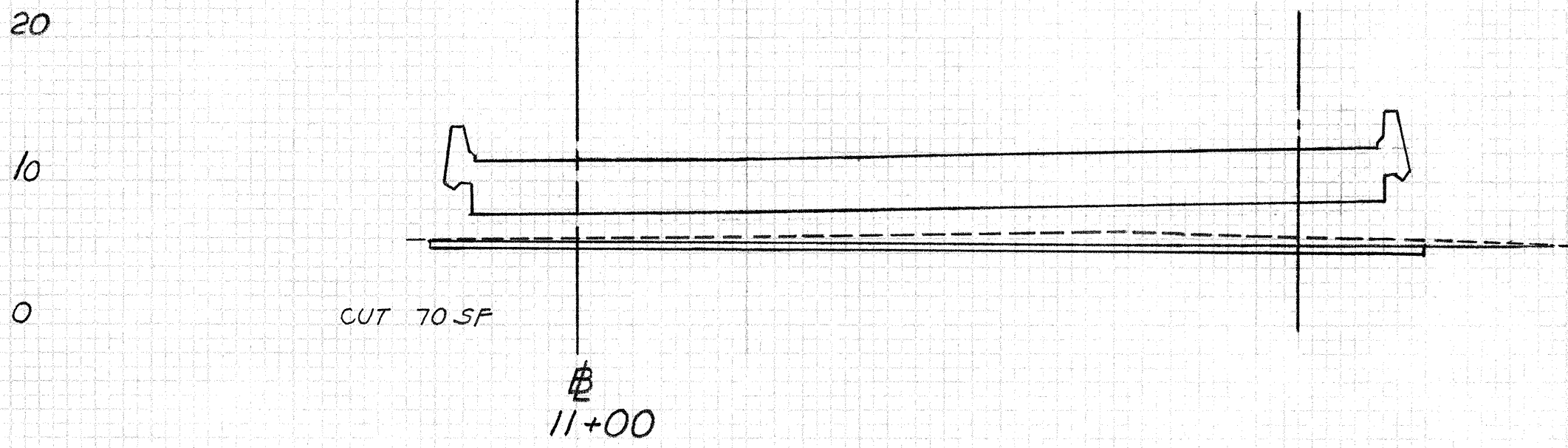
DATE	BY	CHKD	APPROVED
STATE	ROUTE	PROJECT	DATE
ROUTE	PROJECT	DATE	BY

DATE	BY	CHKD	APPROVED
STATE	ROUTE	PROJECT	DATE
ROUTE	PROJECT	DATE	BY

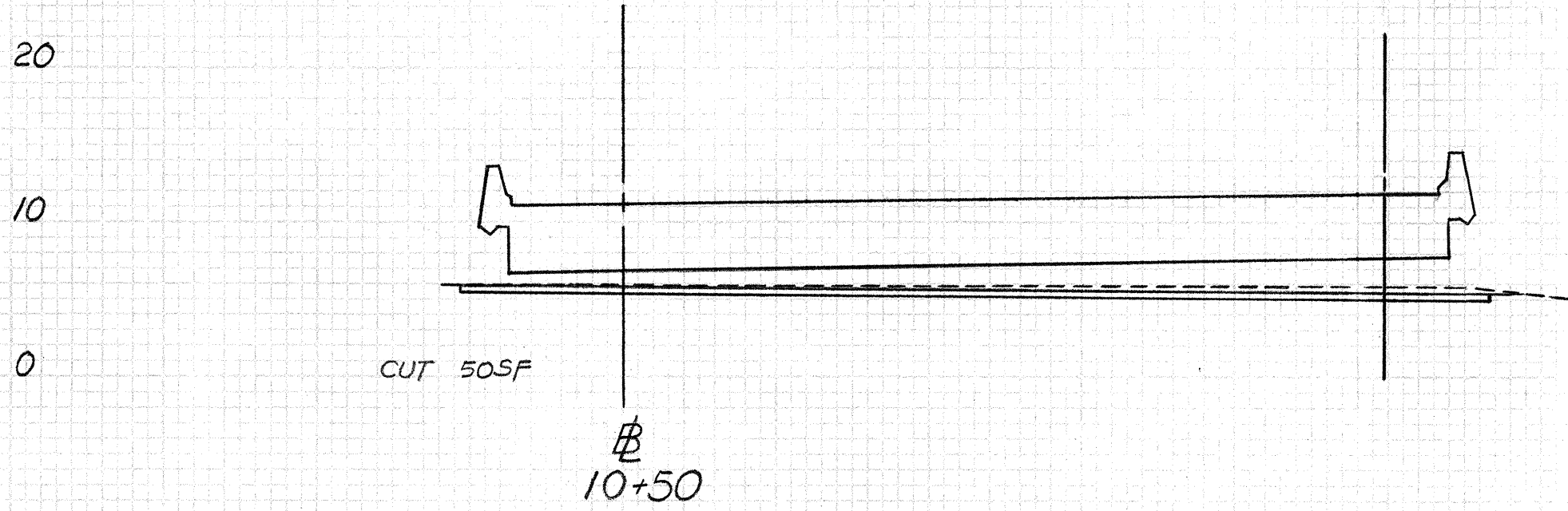
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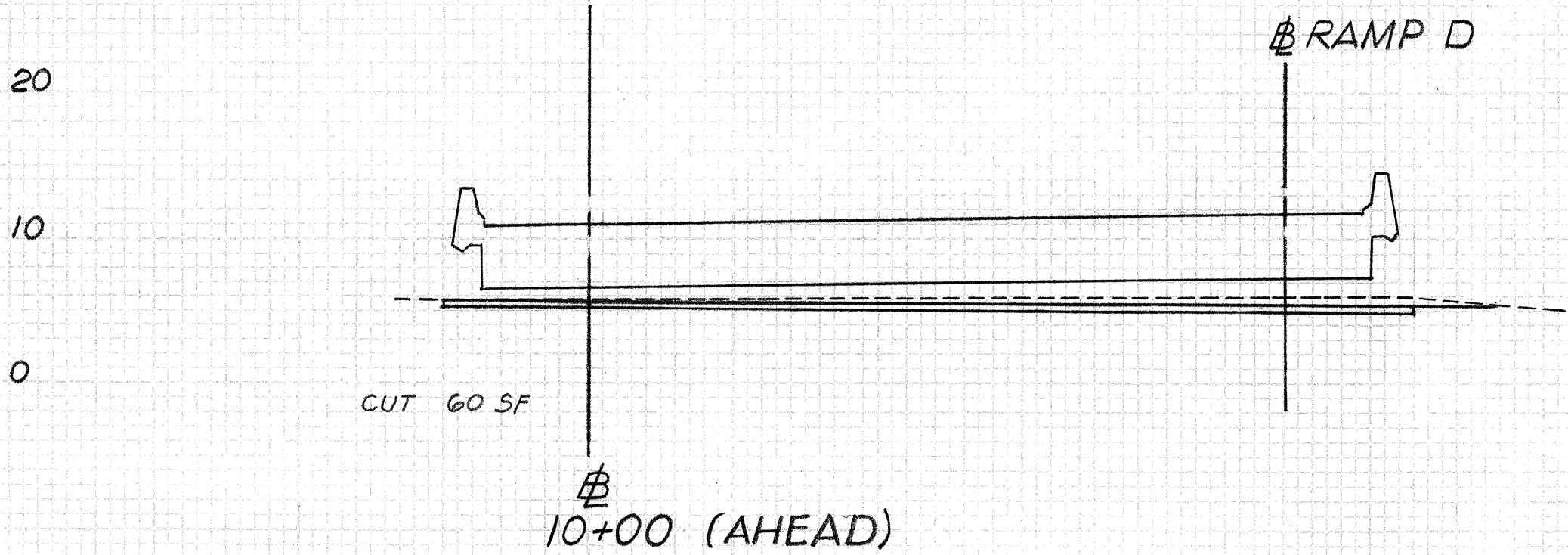
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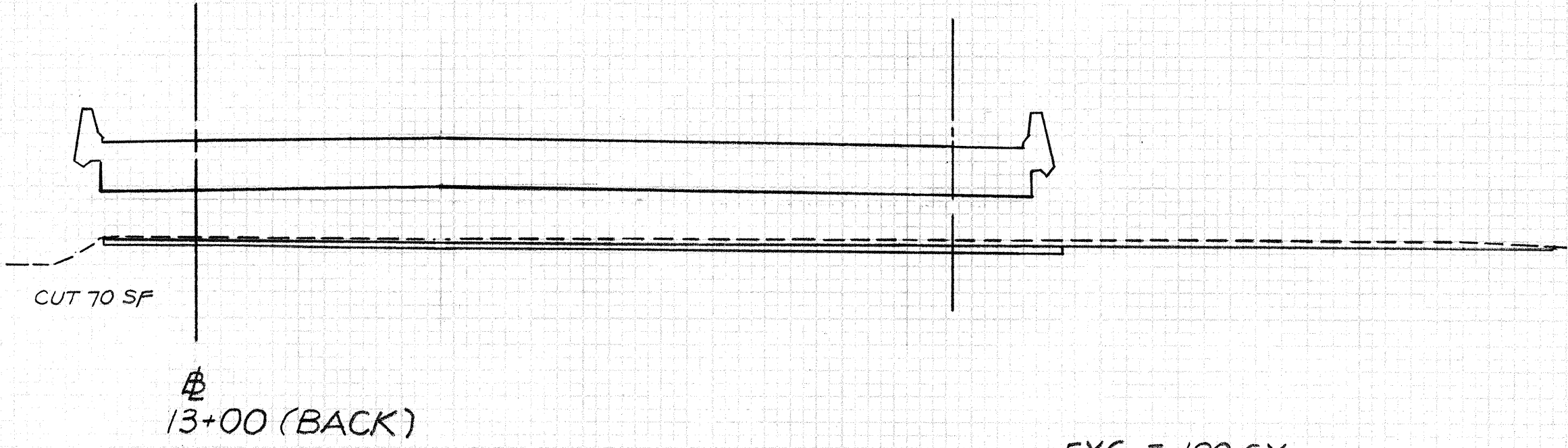
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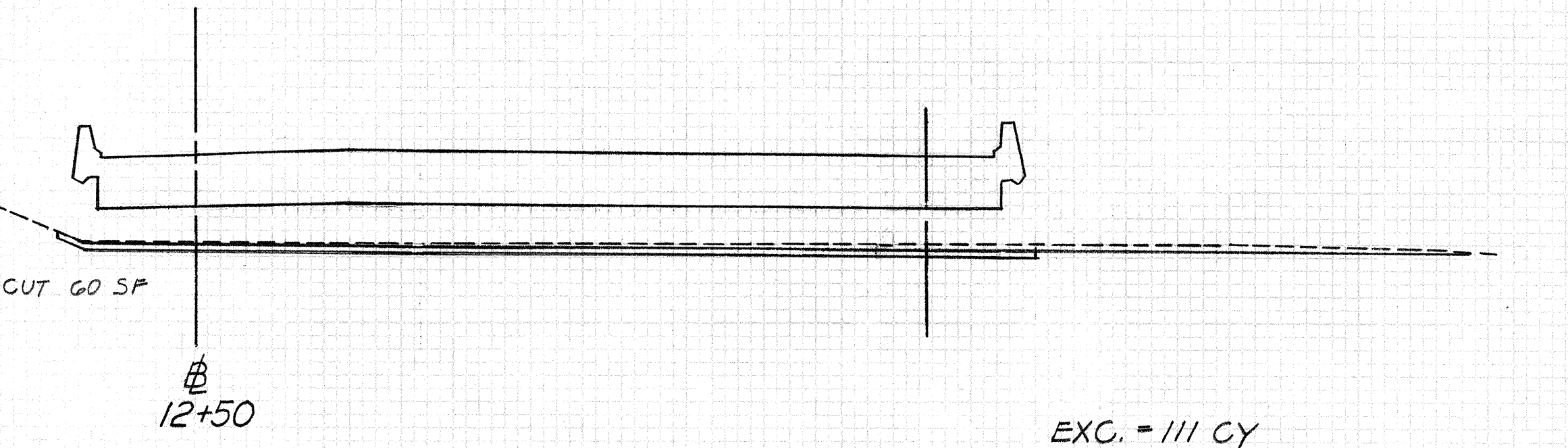
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RAMP G

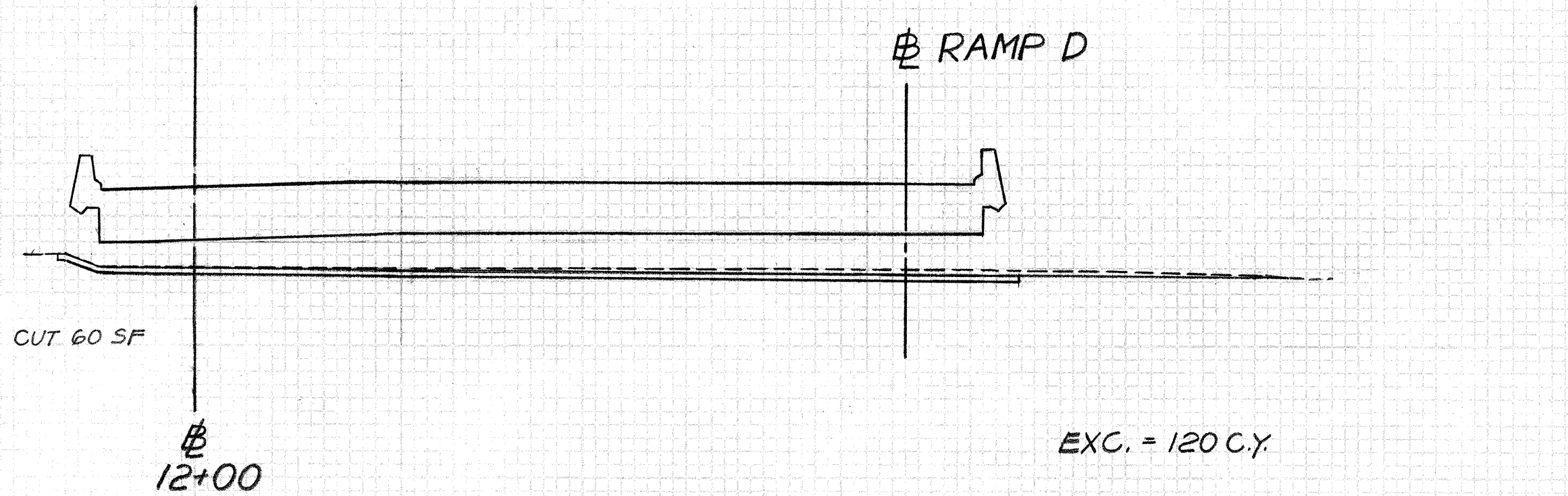
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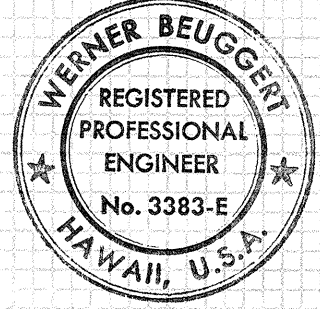


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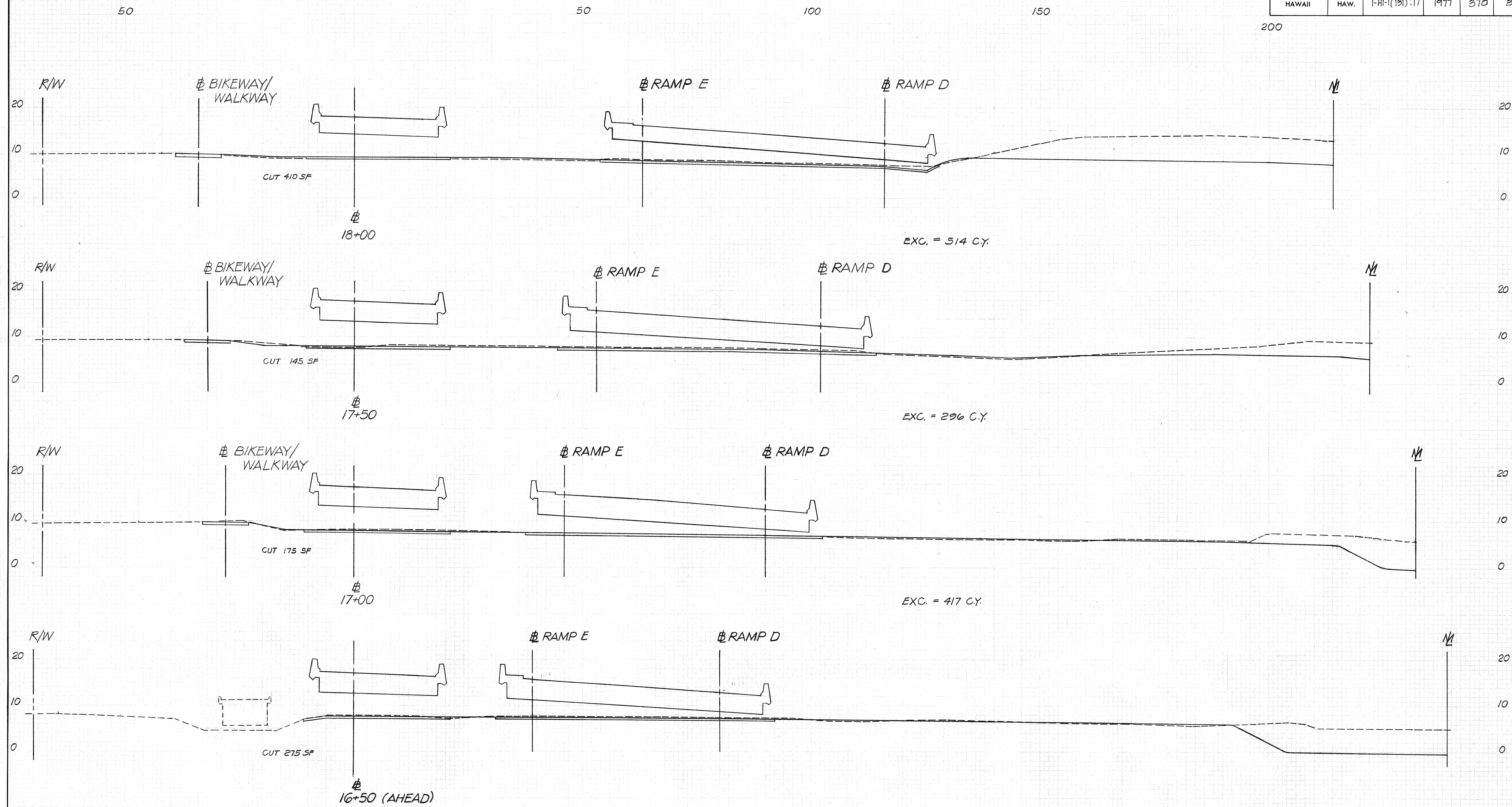
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Vert. 1"=10'



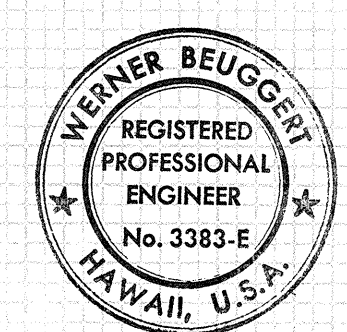
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FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-HI-1(131):17	1977	370	394



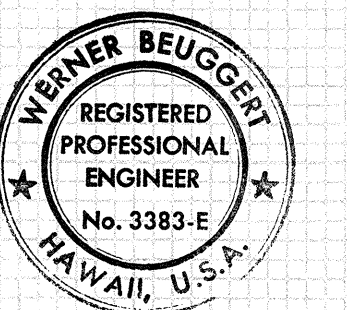
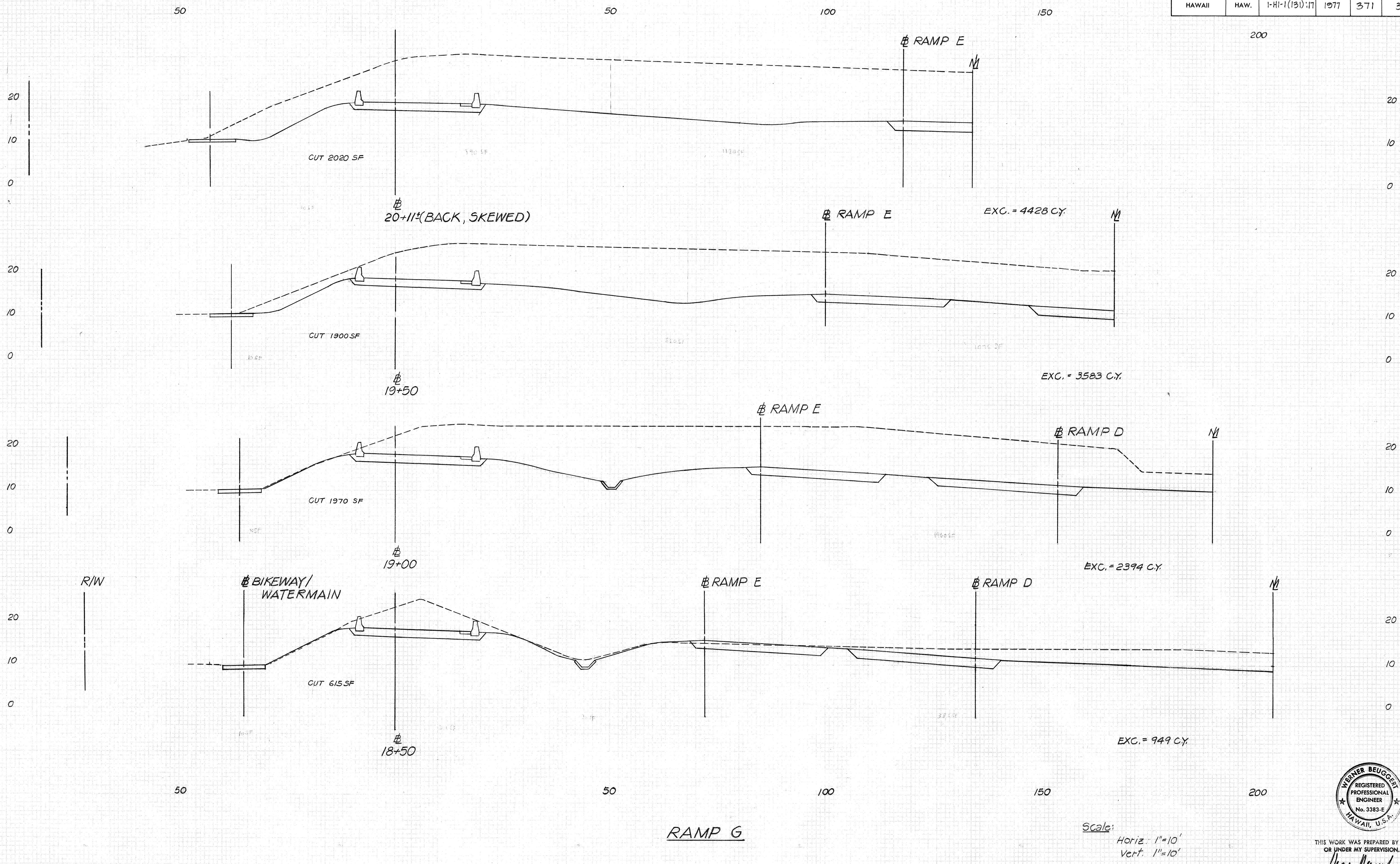
RAMP G

Scale:
 Horiz. 1"=10'
 Vert. 1"=10'



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FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-HI-1(131)17	1977	371	394

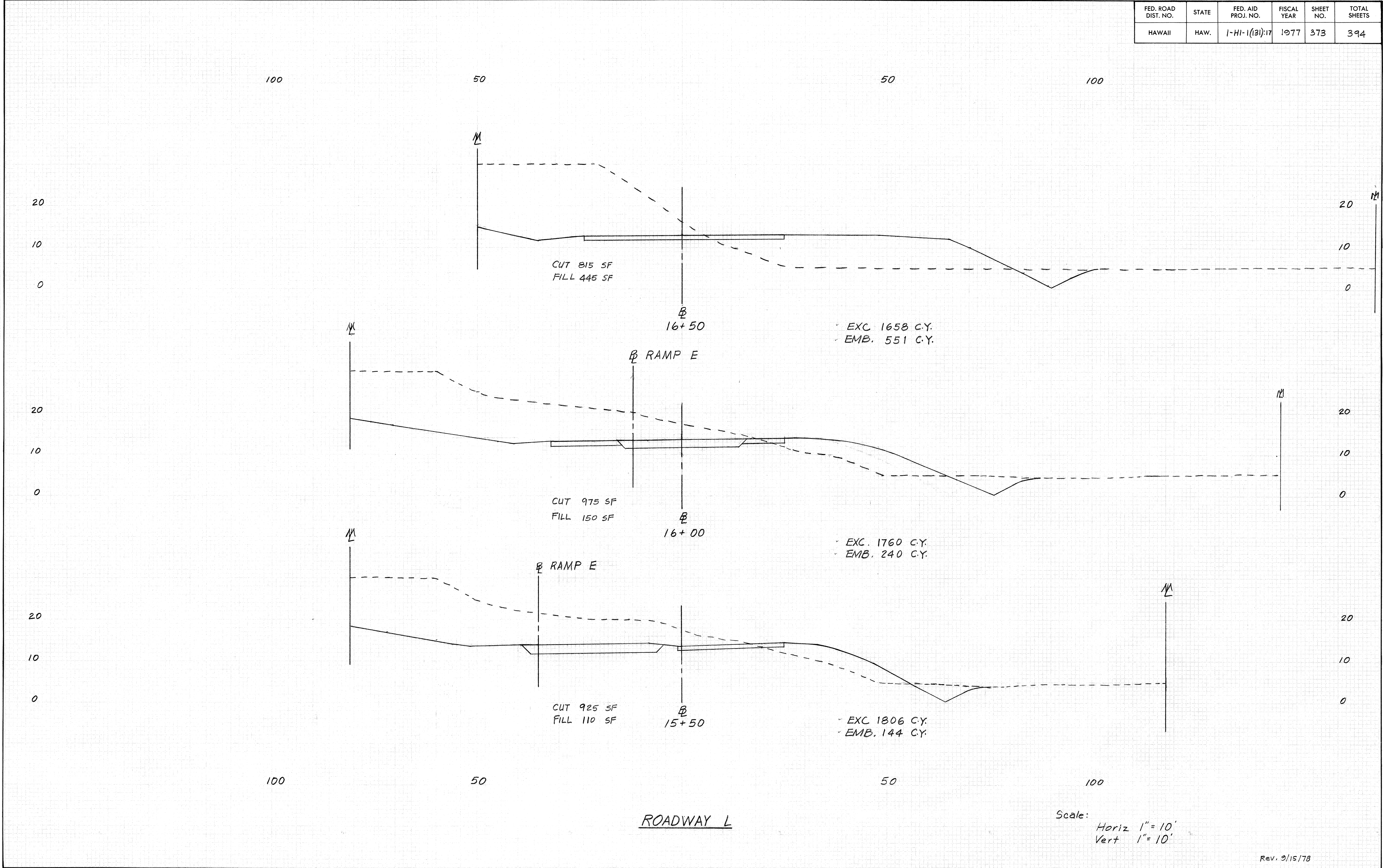


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FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-HI-1(13):17	1977	373	394

DATE	10/1/78
BY	W. J. HARRIS
CHECKED	W. J. HARRIS
APPROVED	W. J. HARRIS
DESIGNED	W. J. HARRIS
DRAWN	W. J. HARRIS
IN CHARGE	W. J. HARRIS

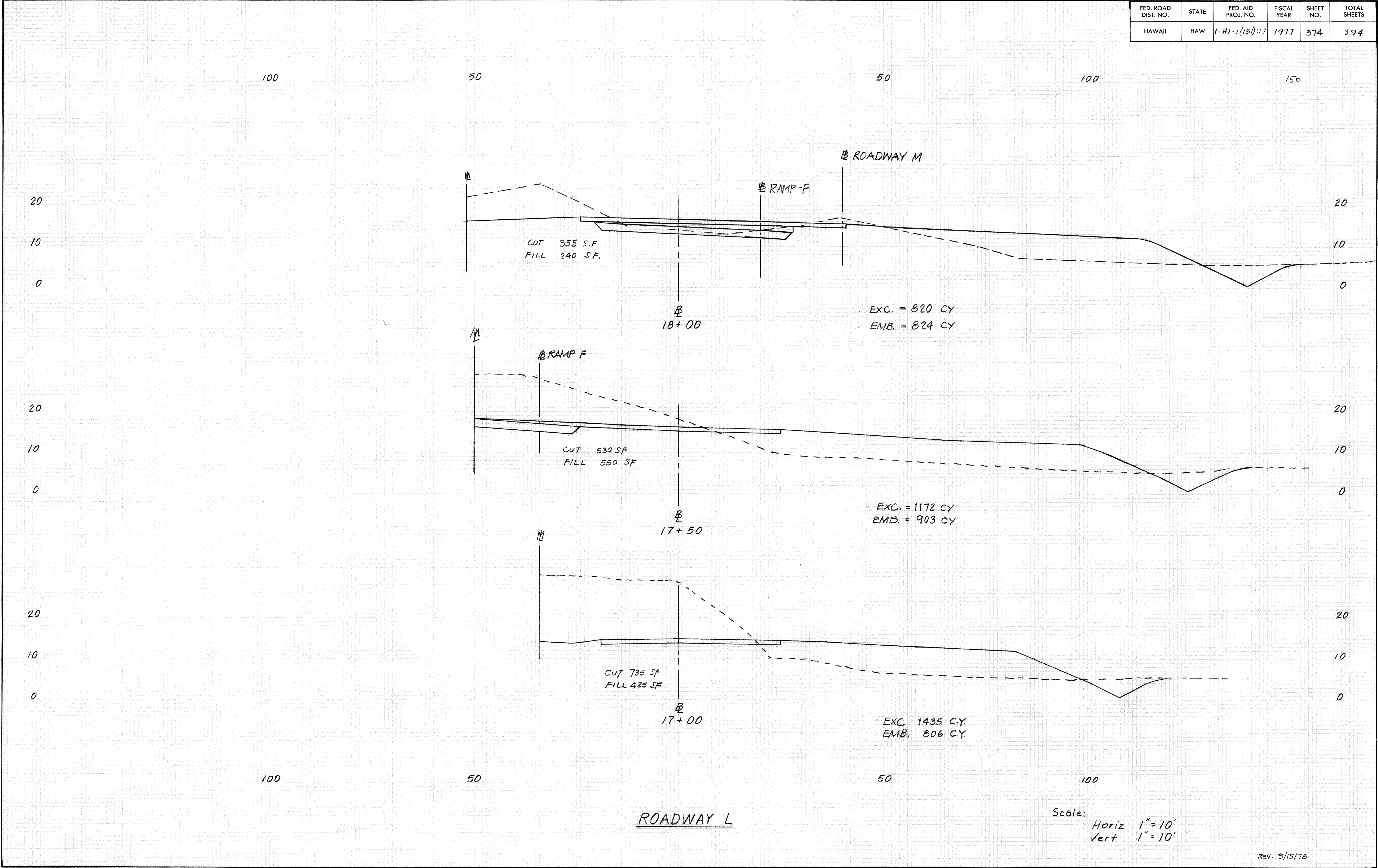
DATE	10/1/78
BY	W. J. HARRIS
CHECKED	W. J. HARRIS
APPROVED	W. J. HARRIS
DESIGNED	W. J. HARRIS
DRAWN	W. J. HARRIS
IN CHARGE	W. J. HARRIS



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-HI-1(121):17	1977	374	394

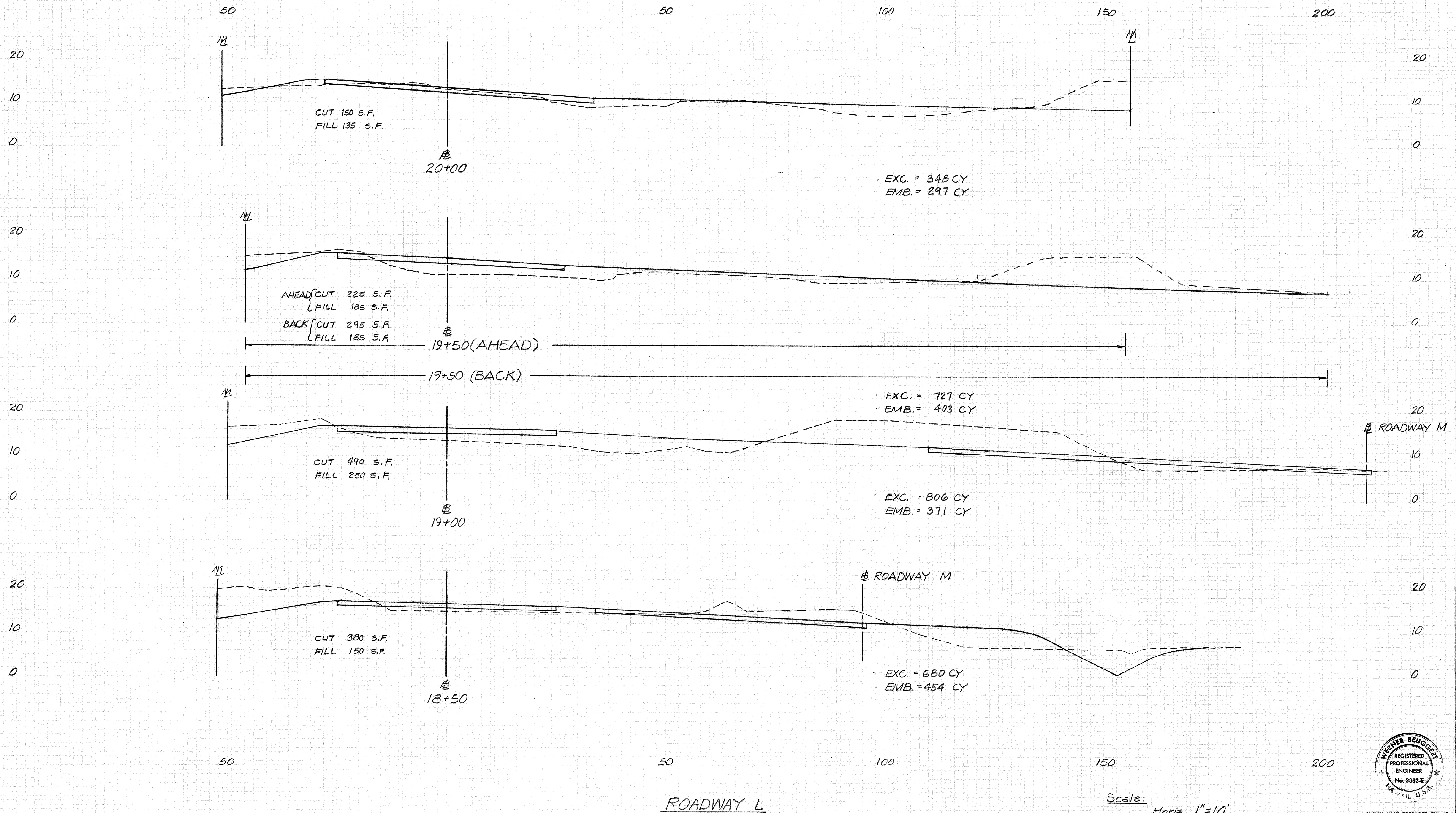
DATE	BY	CHKD	DATE	BY	CHKD
10/1/77	WJH	WJH	10/1/77	WJH	WJH
10/1/77	WJH	WJH	10/1/77	WJH	WJH
10/1/77	WJH	WJH	10/1/77	WJH	WJH

DATE	BY	CHKD	DATE	BY	CHKD
10/1/77	WJH	WJH	10/1/77	WJH	WJH
10/1/77	WJH	WJH	10/1/77	WJH	WJH
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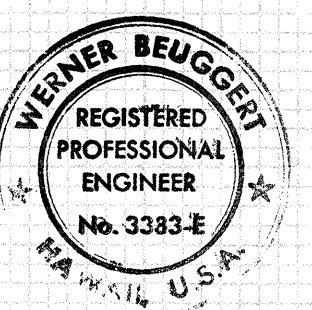


Scale: Horiz 1"=10'
Vert 1"=10'

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-H1-1(131):17	1977	375	394



Scale:
 Horiz. 1"=10'
 Vert. 1"=10'

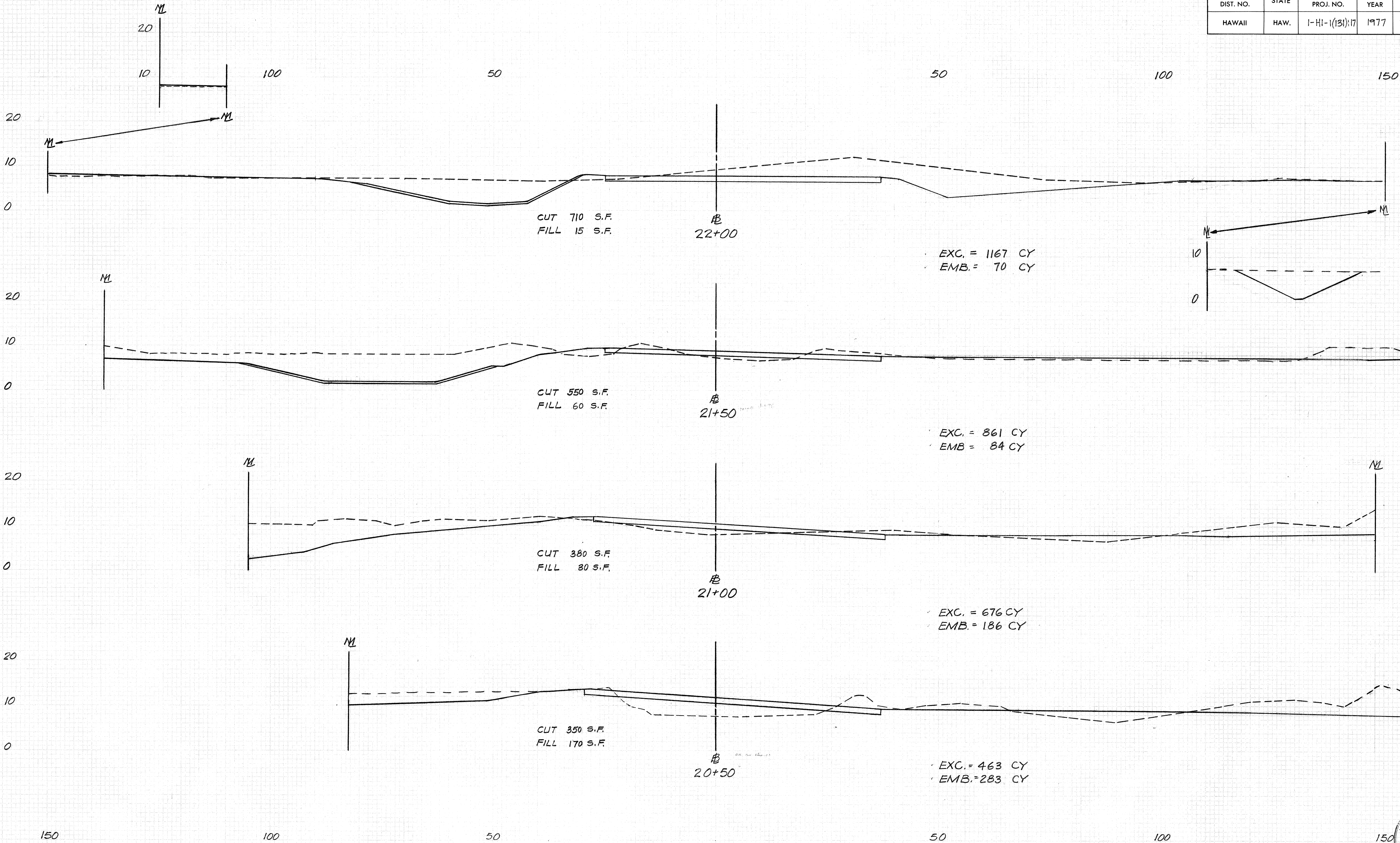


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REV. 9/15/78

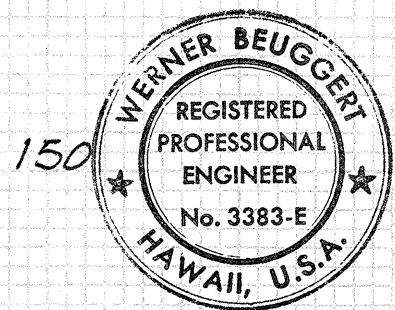
C.O. 375

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-H-1-(131)17	1977	376	394



ROADWAY L

Scale: Horiz. 1"=10'
Vert. 1"=10'



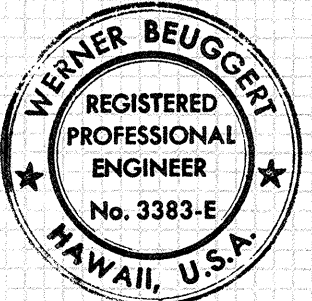
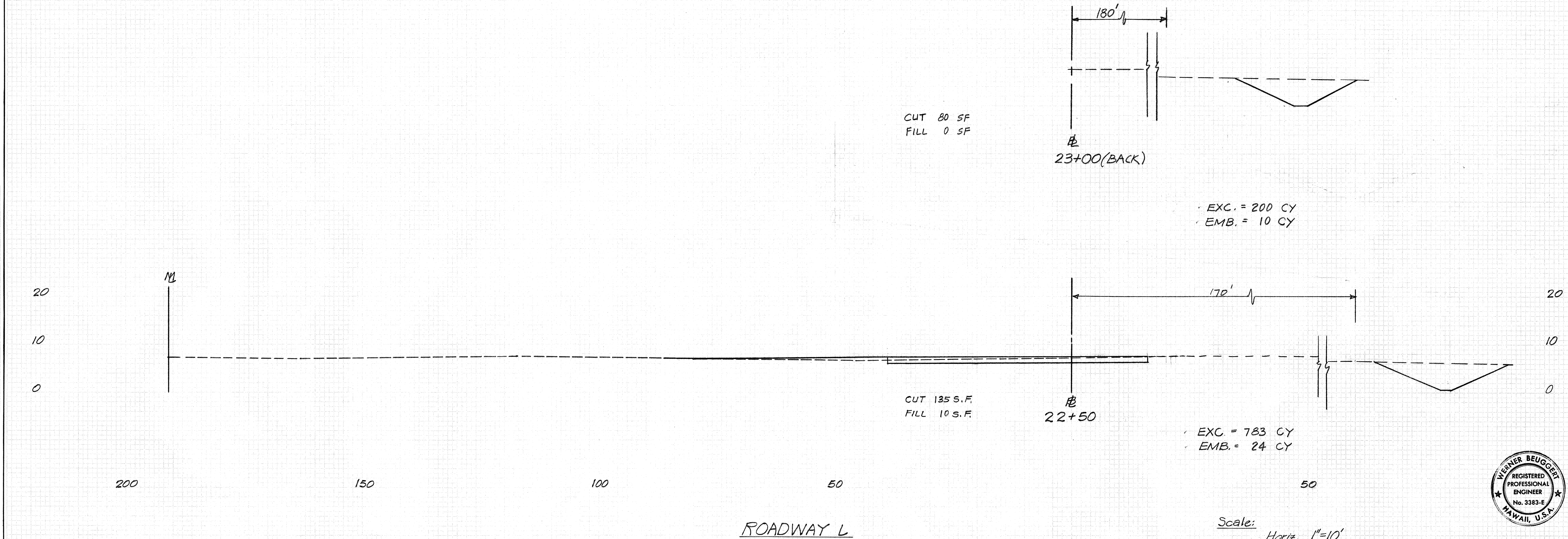
THIS WORK WAS PREPARED BY A.E. OR UNDER MY SUPERVISION.
Werner Beugger

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FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-HI-1 (131):17	1977	377	374

DESIGNED BY	DATE
CHECKED BY	
APPROVED BY	
NOTED BY	
REVISIONS	

DESIGNED BY	DATE
CHECKED BY	
APPROVED BY	
NOTED BY	
REVISIONS	



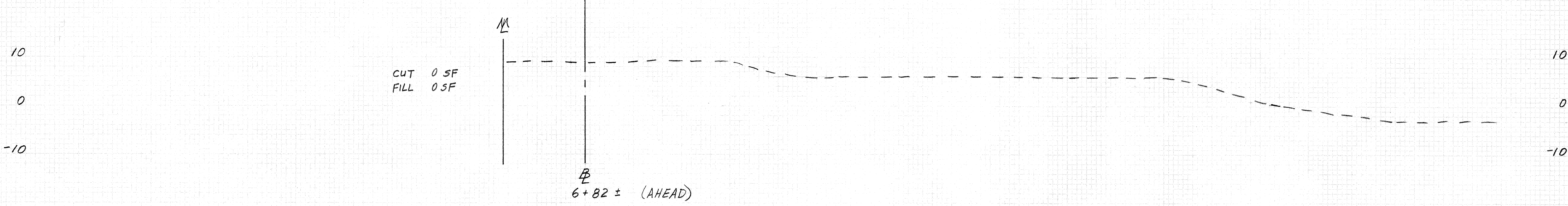
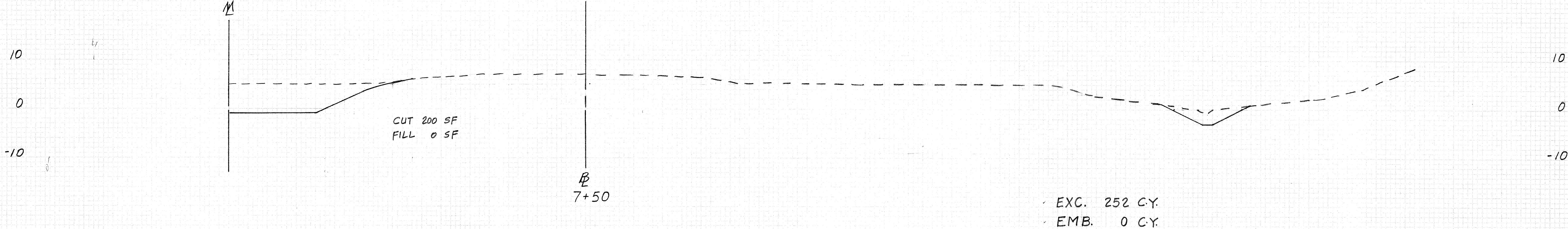
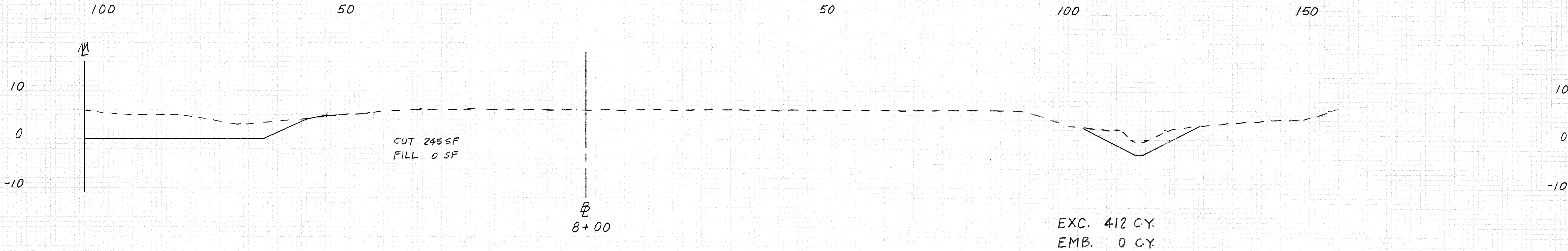
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Rev. 9/15/78

Werner Beugget

C.O.377

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-HI-1(131):17	1977	378	394

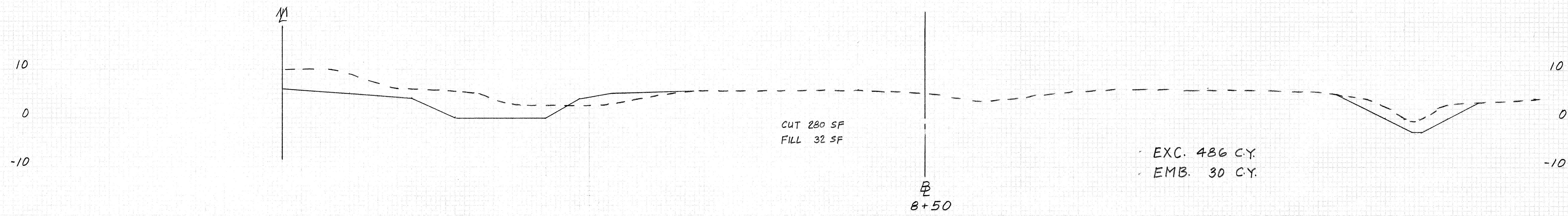
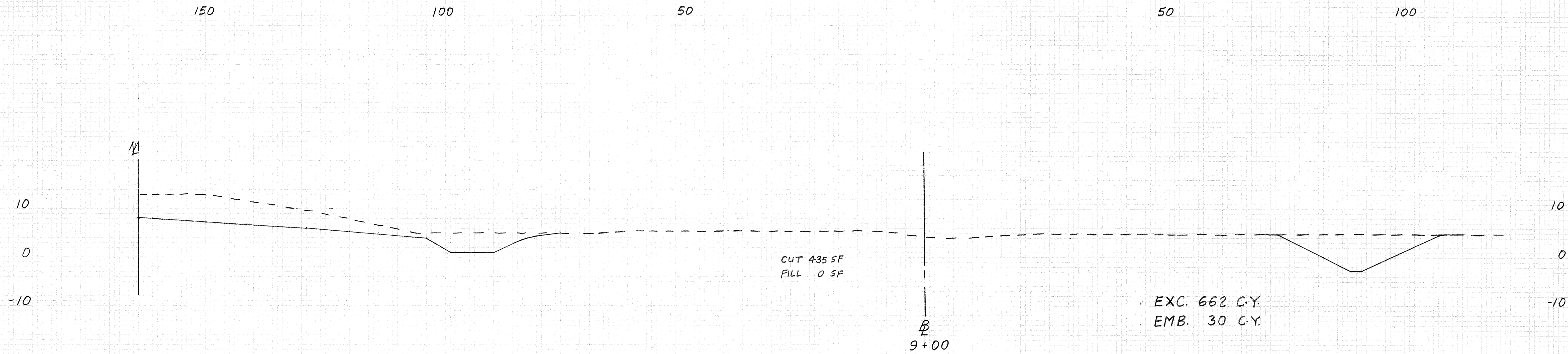


ROADWAY N

Scale:
Horiz 1" = 10'
Vert 1" = 10'

Rev. 9/15/78

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-HI-1(13)-17	1977	379	394



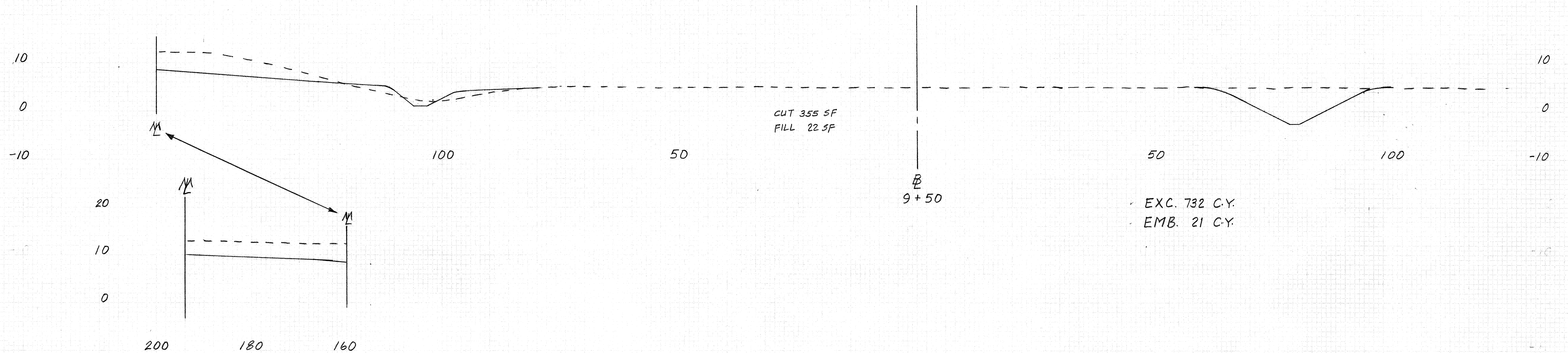
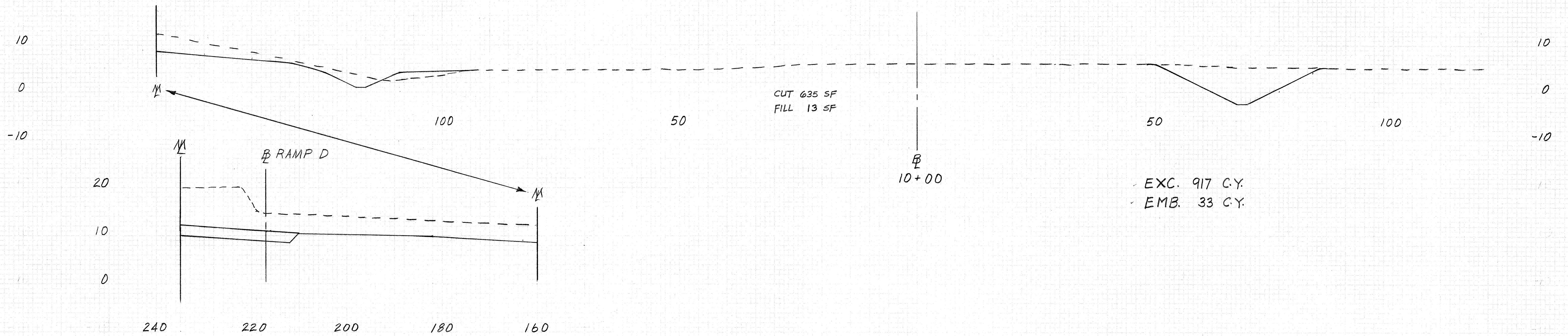
ROADWAY N

Scale:
 Horiz 1" = 10'
 Vert 1" = 10'

Rev. 7/15/78

C.O. 379

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-H-1(13)-17	1977	380	394



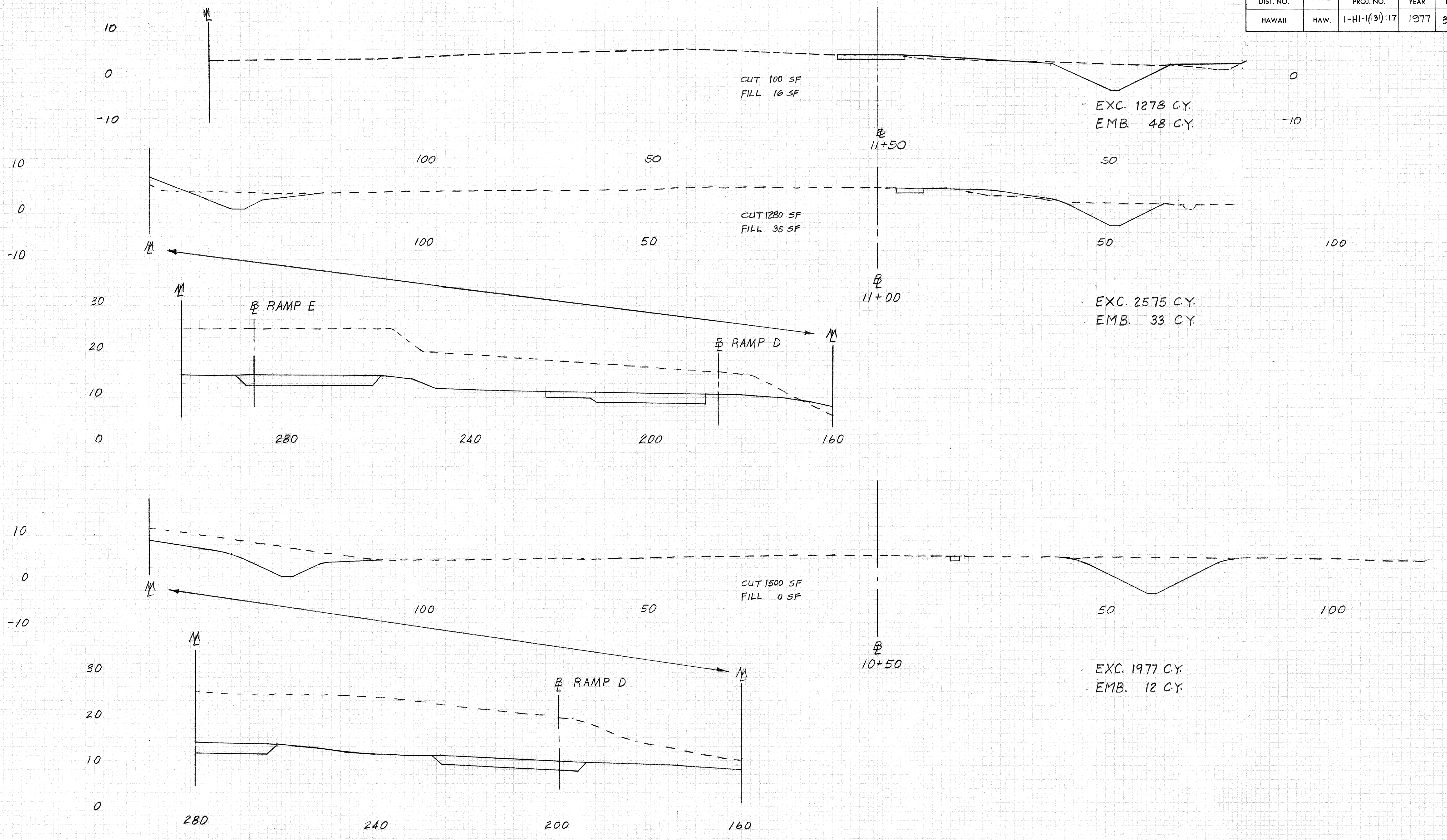
ROADWAY N

Scale:
 Horiz 1" = 10'
 Vert 1" = 10'

Rev. 9/15/78

C.O. 380

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-HI-1(13)-17	1977	381	394



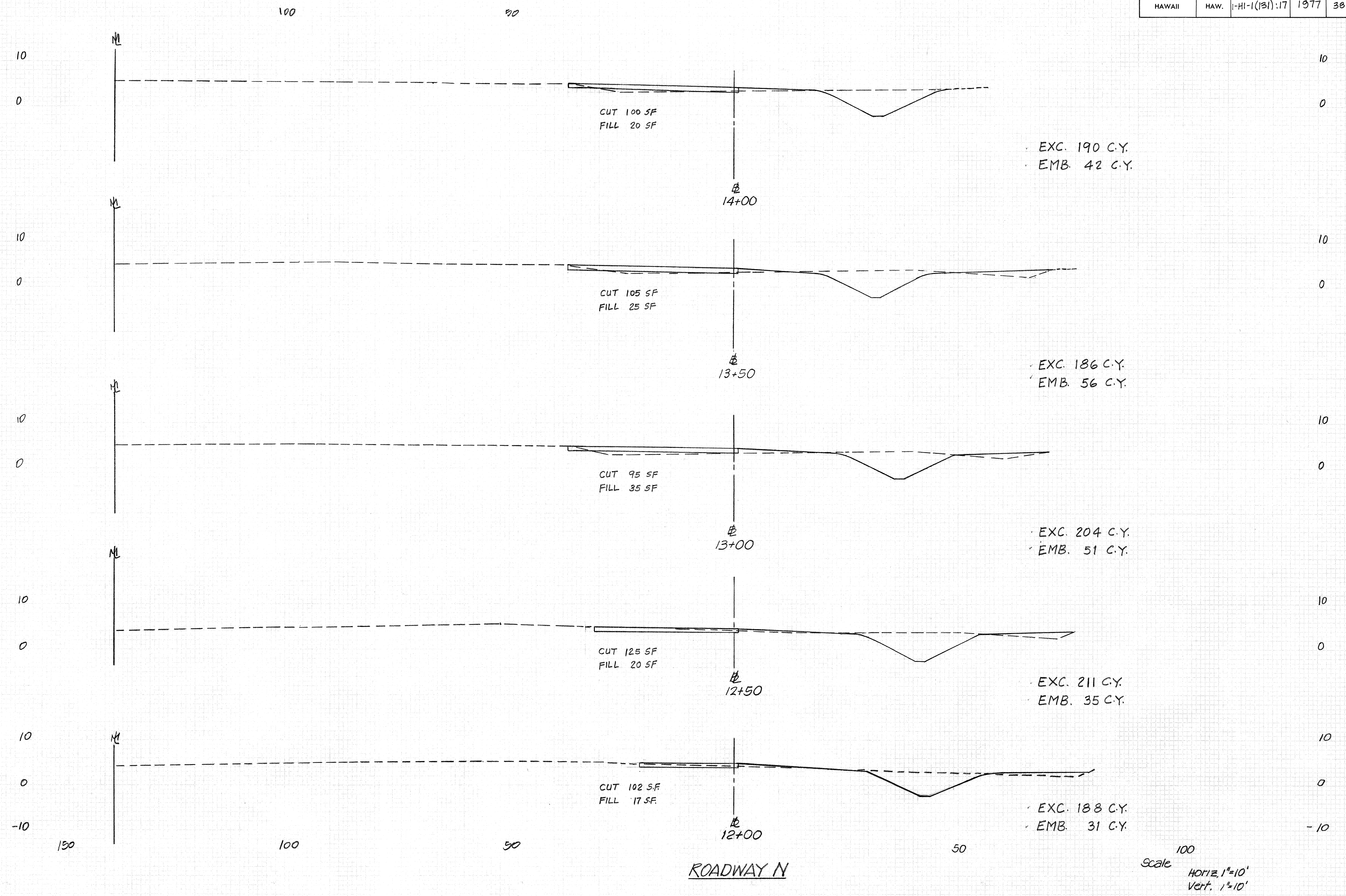
ROADWAY N

Scale:
Horiz 1" = 10'
Vert 1" = 10'

Rev. 9/15/78

C.O.381

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-HI-1(131):17	1977	382	394

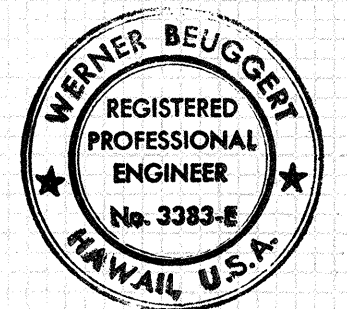
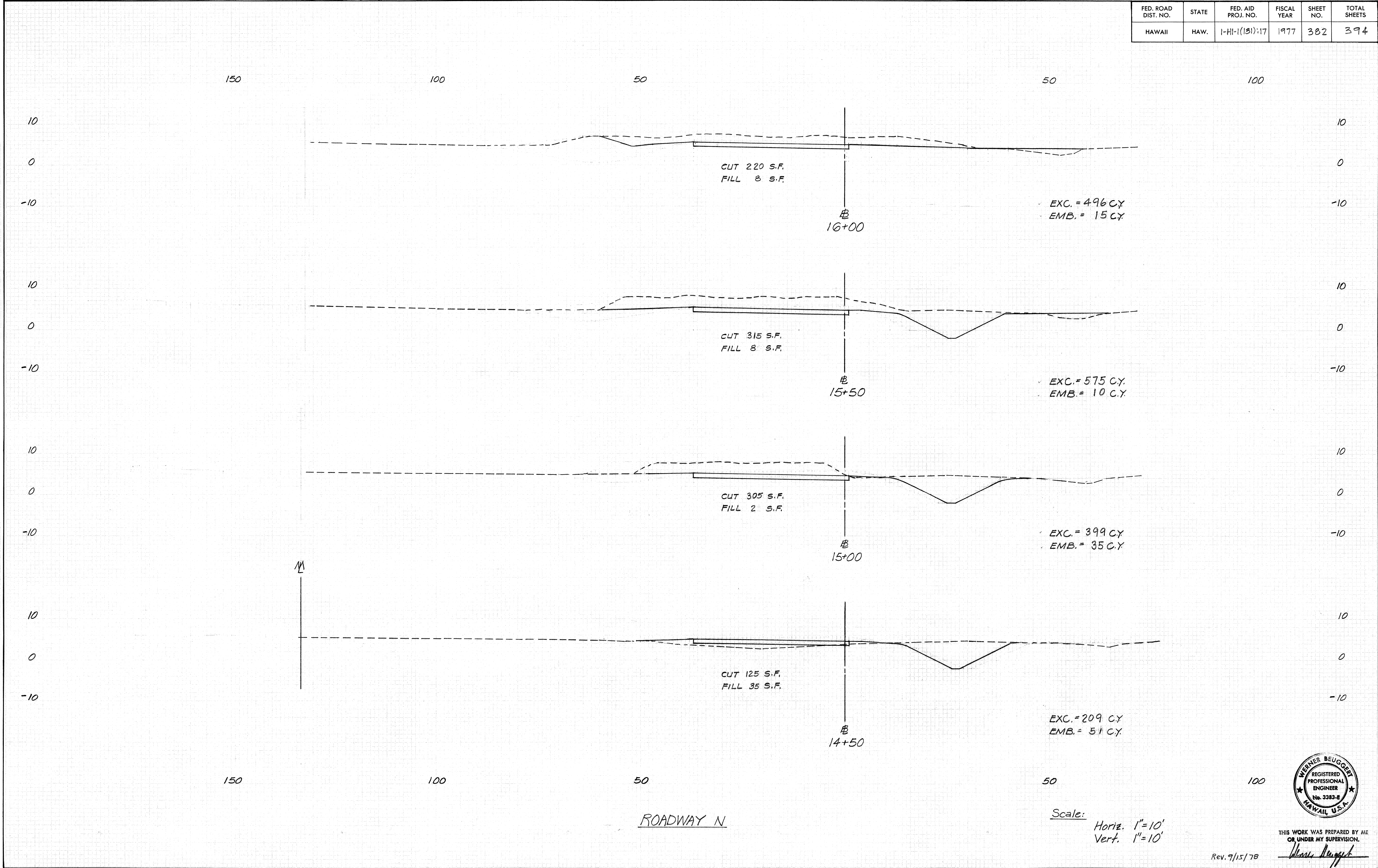


Rev. 9/15/78

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-HI-1(131)17	1977	382	394

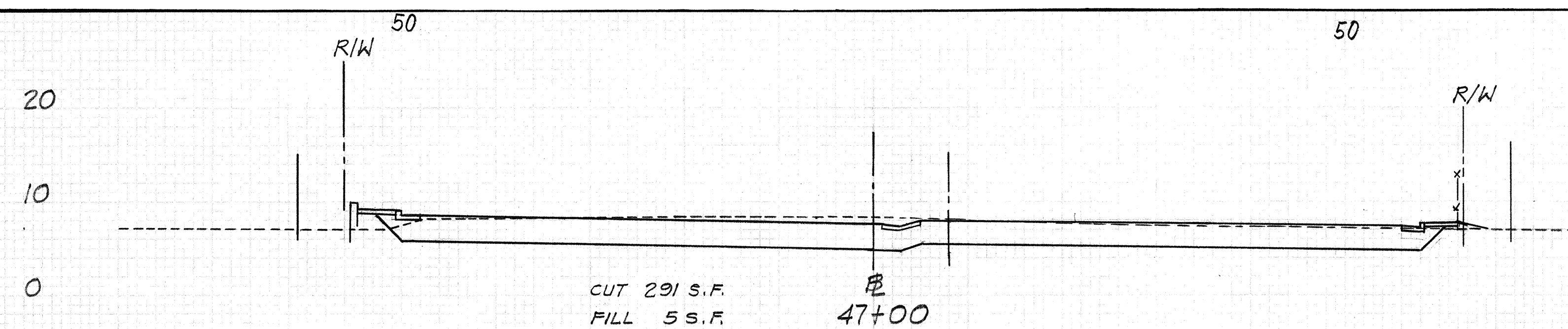
DATE	10/15/78
BY	W.B.
CHECKED	
DATE	
BY	
CHECKED	
DATE	
BY	

DATE	10/15/78
BY	W.B.
CHECKED	
DATE	
BY	
CHECKED	
DATE	
BY	

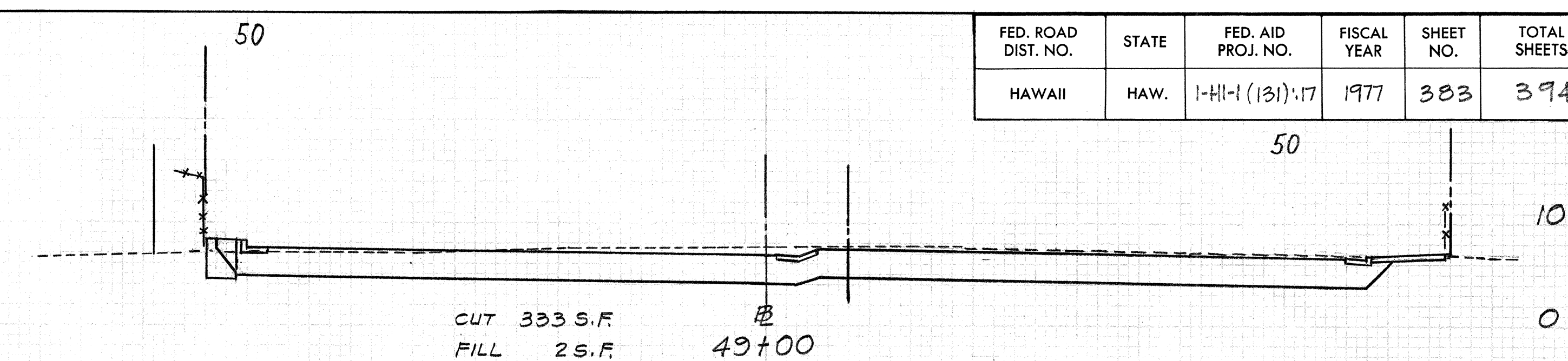


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Werner Beugert

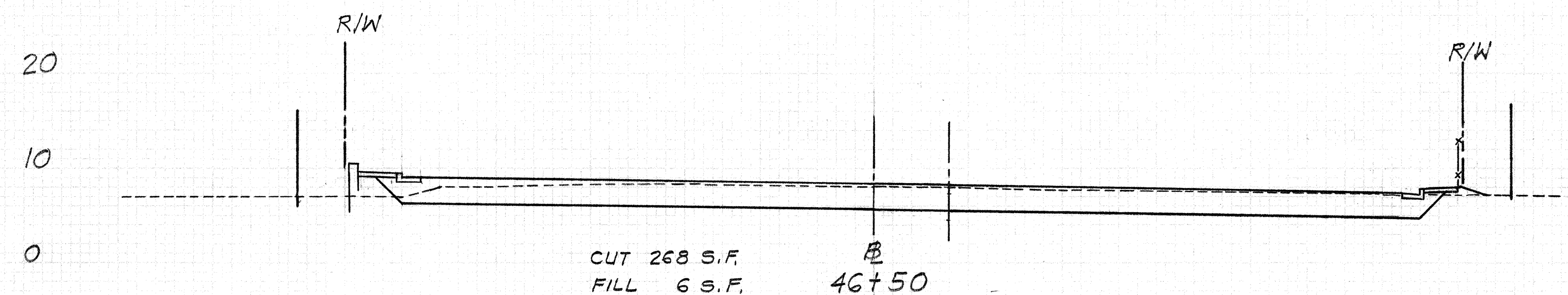
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-H1-1 (131)-17	1977	383	394



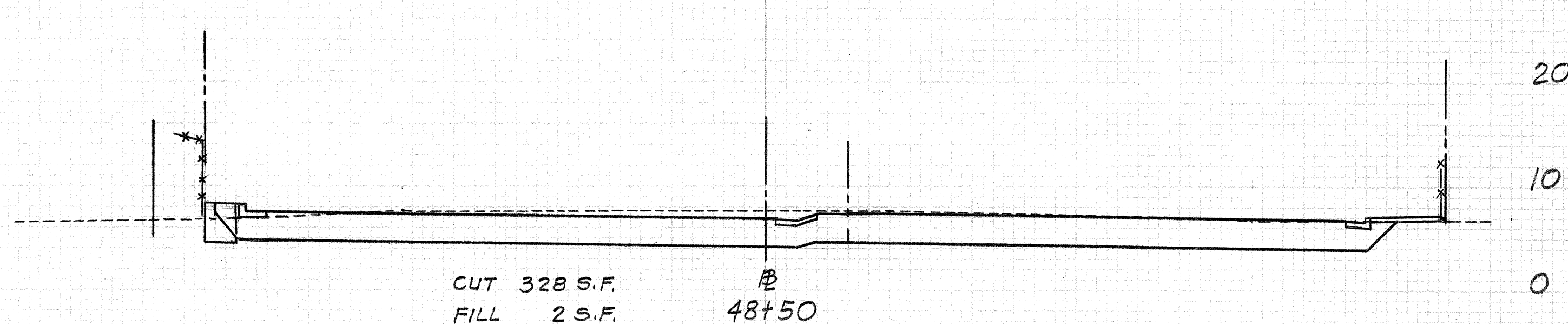
EXC. = 518 CY
EMB. = 10 CY



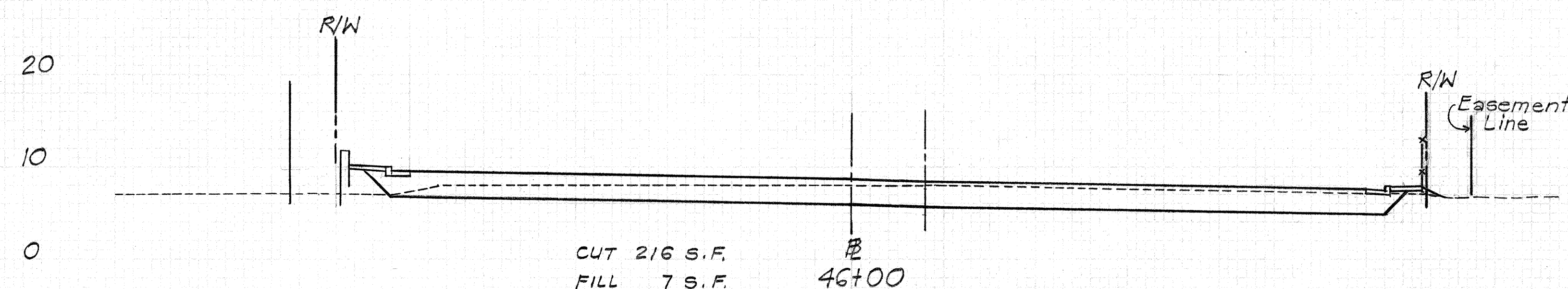
EXC. = 612 CY
EMB. = 4 CY



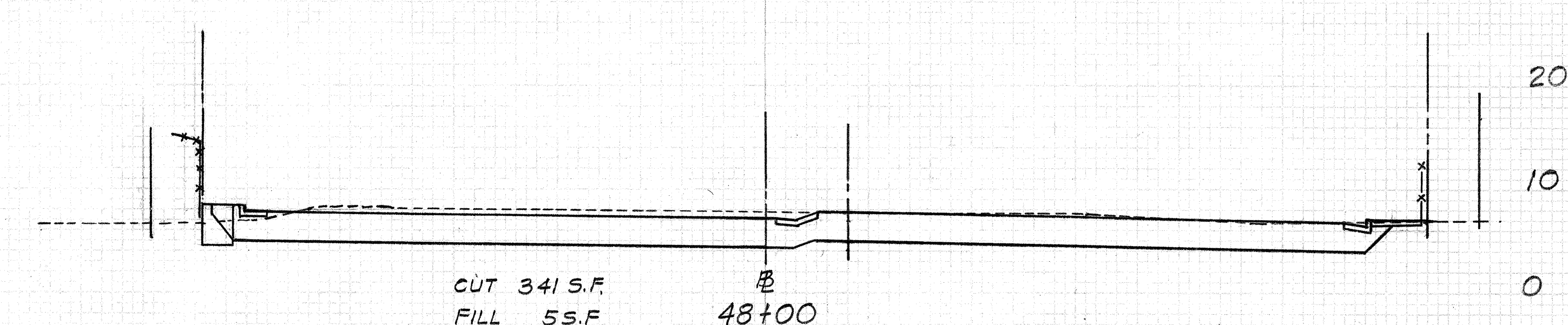
EXC. = 448 CY
EMB. = 12 CY



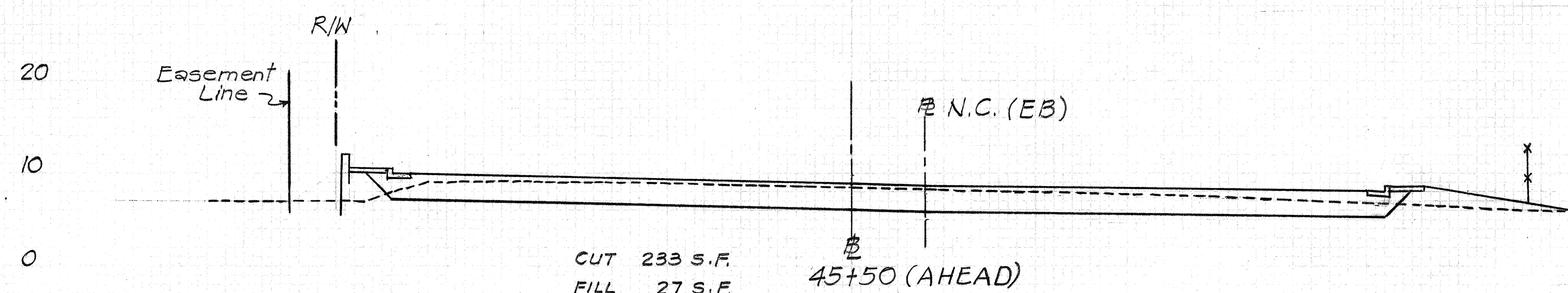
EXC. = 619 CY
EMB. = 6 CY



EXC. = 416 CY
EMB. = 31 CY



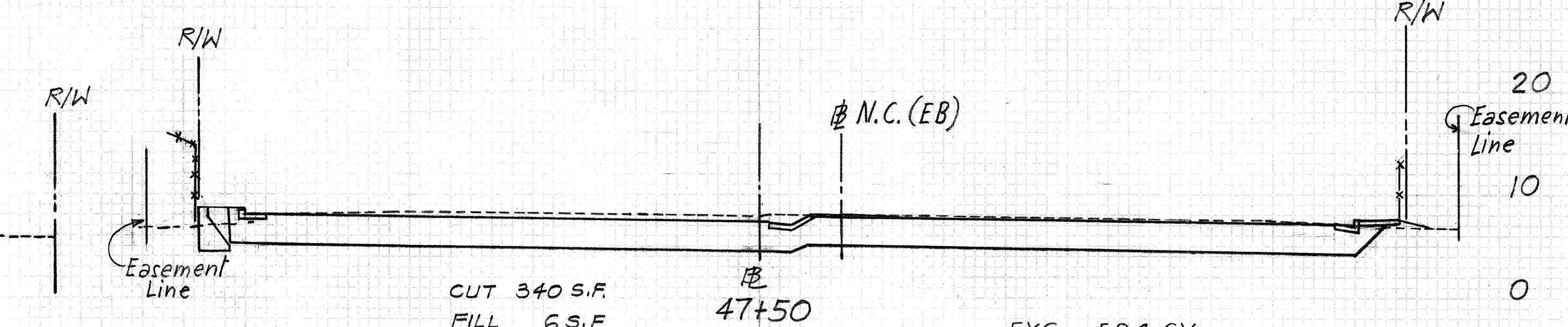
EXC. = 631 CY
EMB. = 10 CY



CUT 233 S.F.
FILL 27 S.F.

45+50 (AHEAD)

N.C. (EB)



CUT 340 S.F.
FILL 6 S.F.

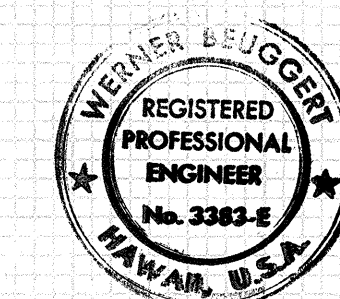
47+50

N.C. (EB)

EXC. = 584 CY
EMB. = 10 CY

NIMITZ CONNECTOR (WB)

Scale:
Horiz. 1" = 10'
Vert. 1" = 10'

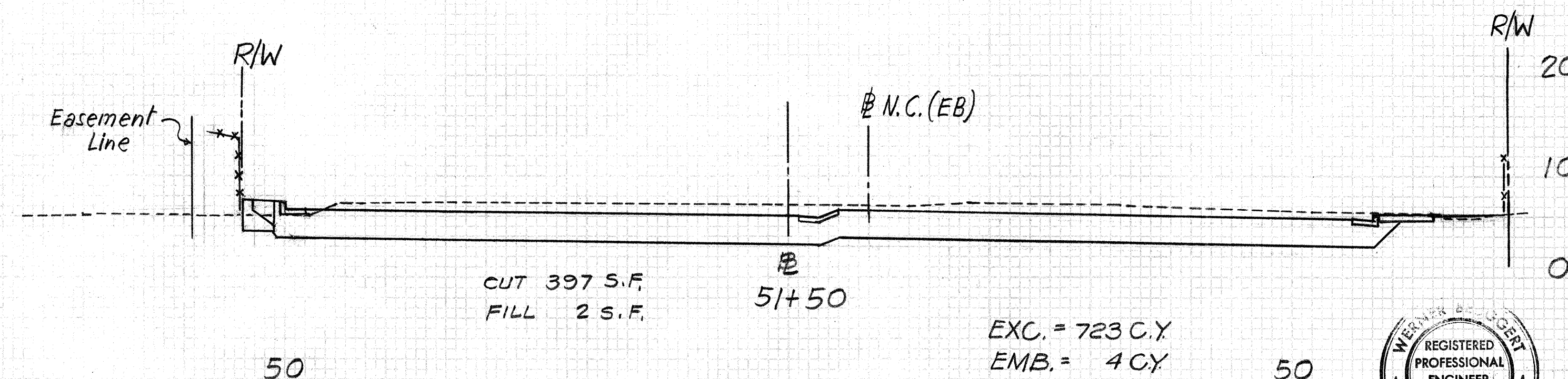
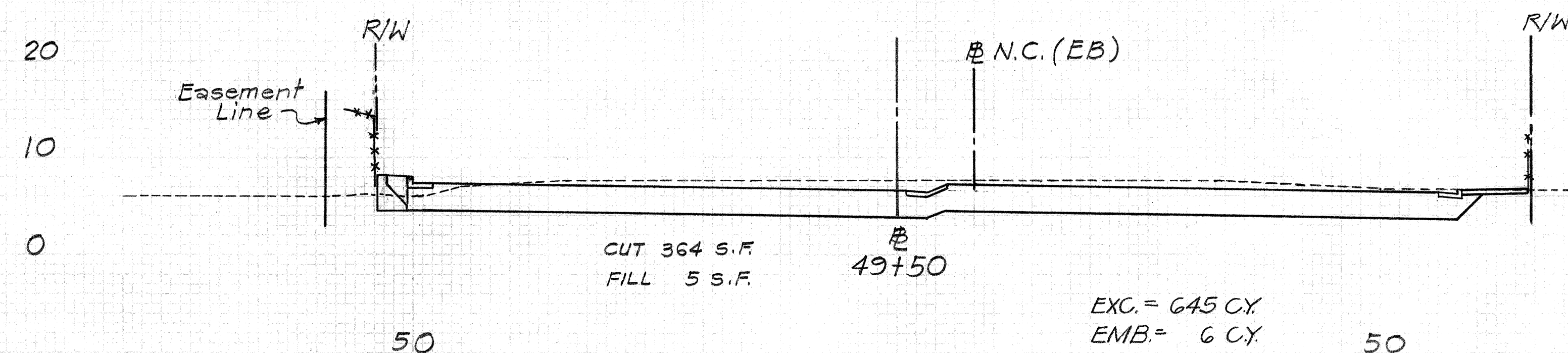
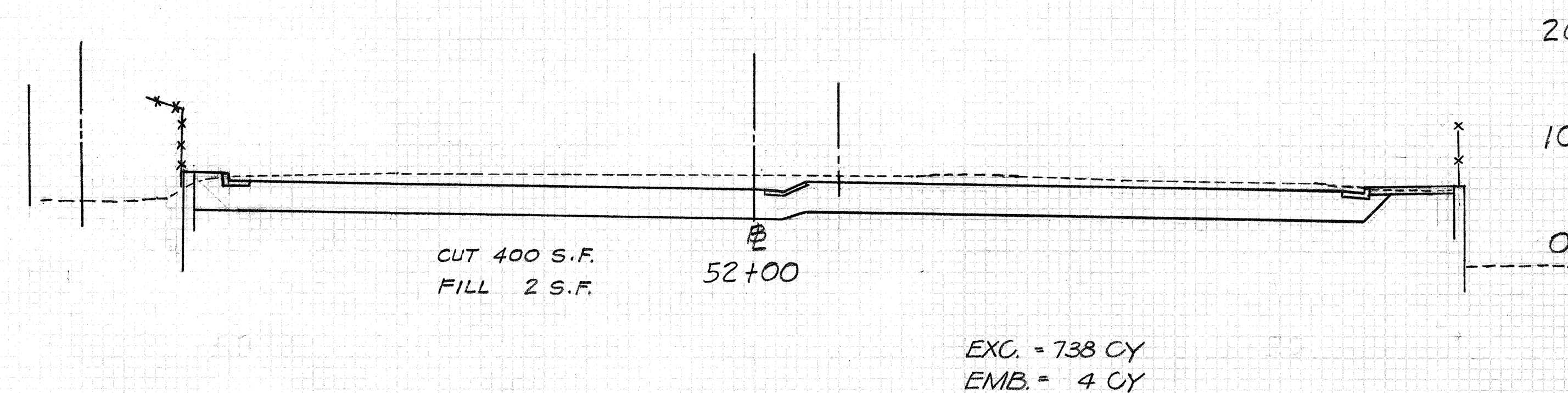
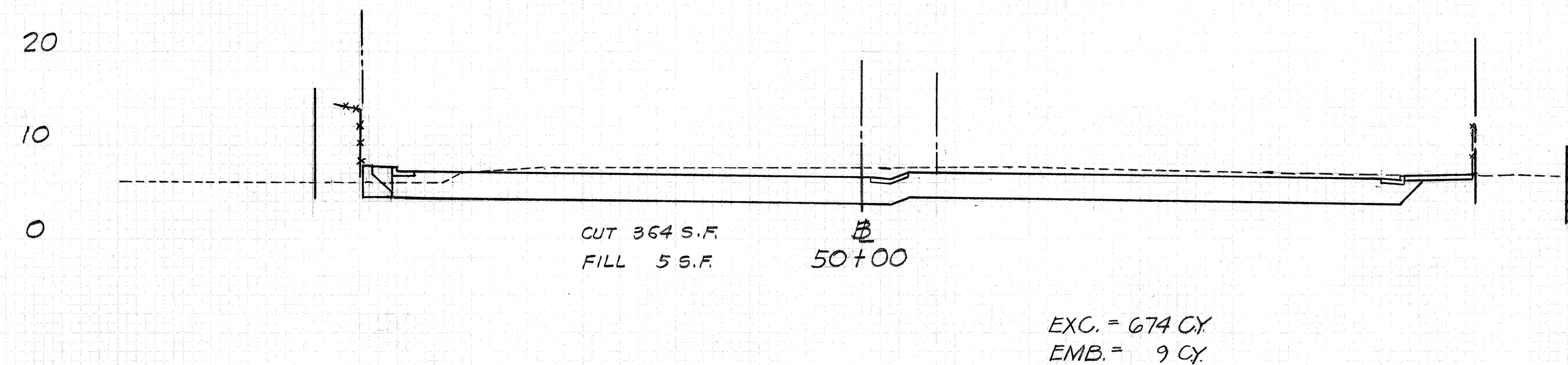
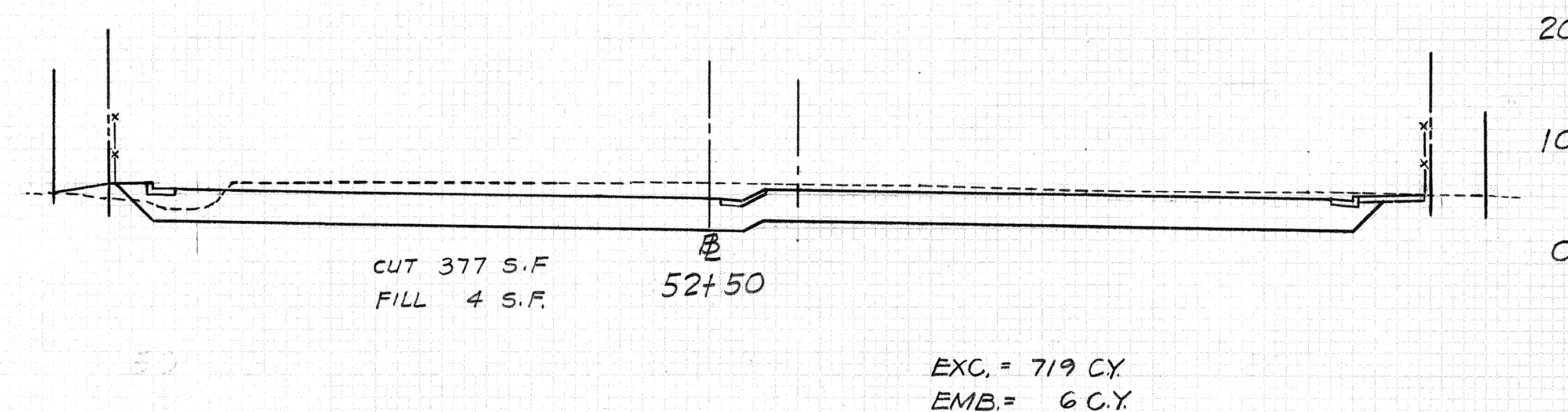
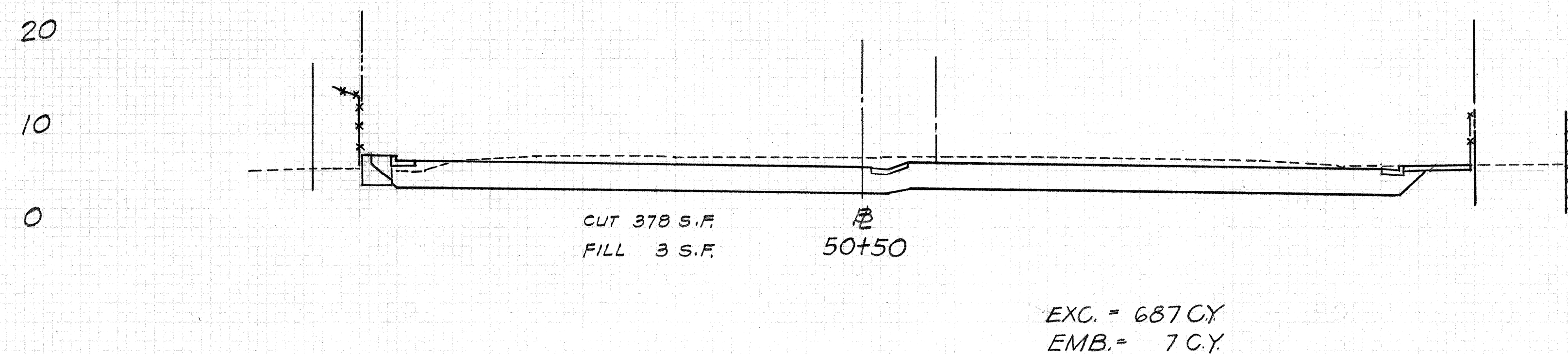
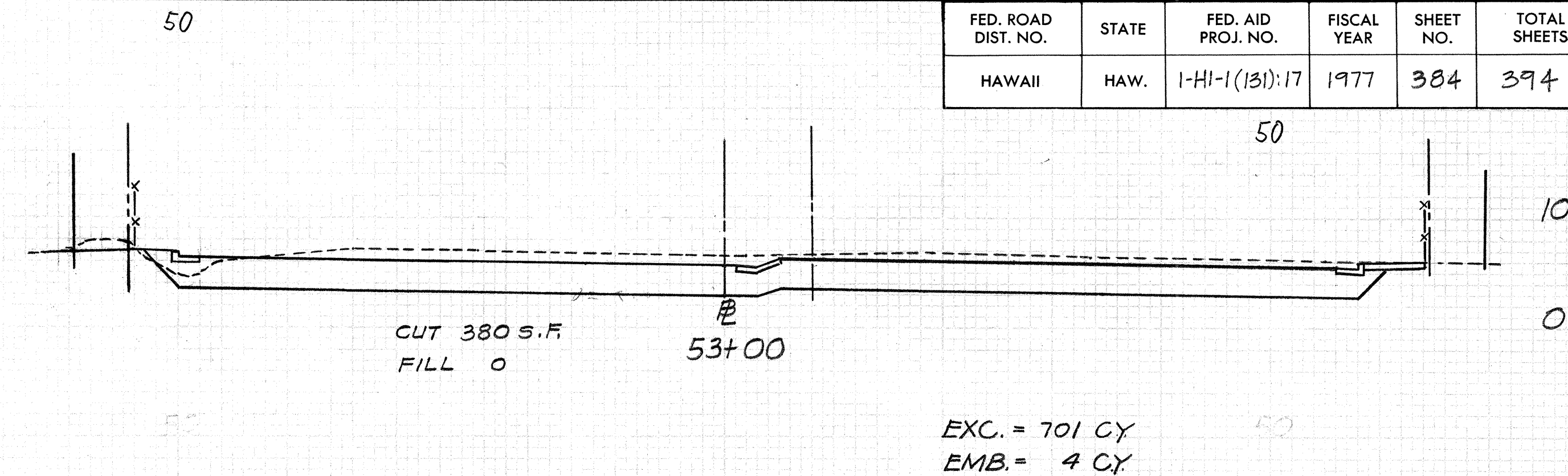
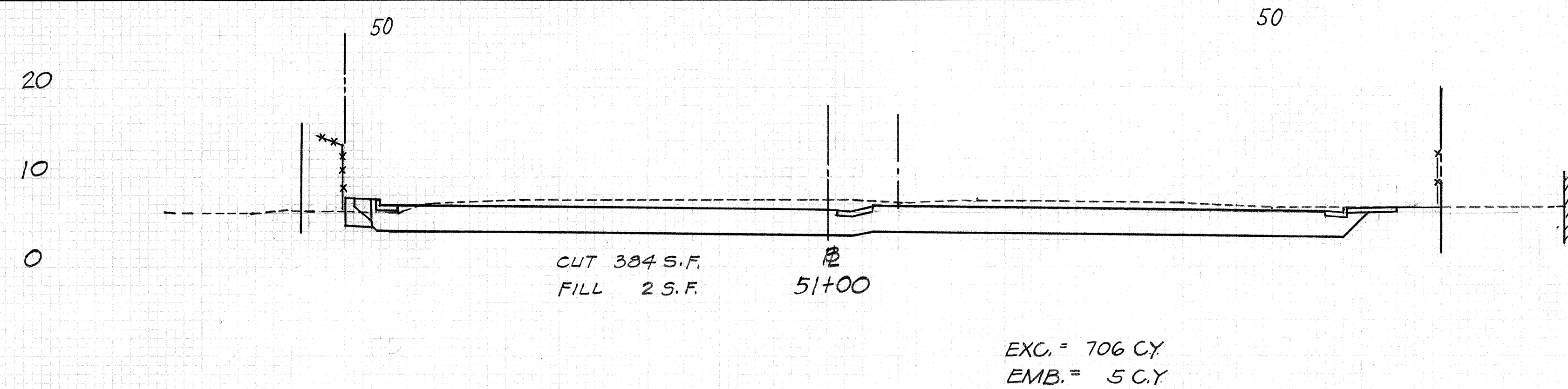


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Werner Beigert

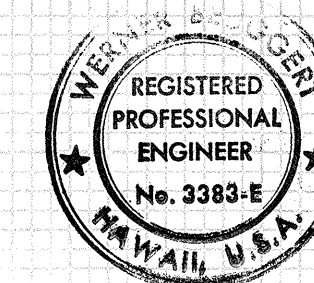
383

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-HI-1(131):17	1977	384	394



NIMITZ CONNECTOR (WB)

Scale:
Horiz. 1" = 10'
Vert. 1" = 10'

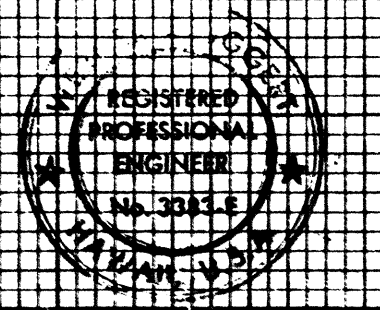
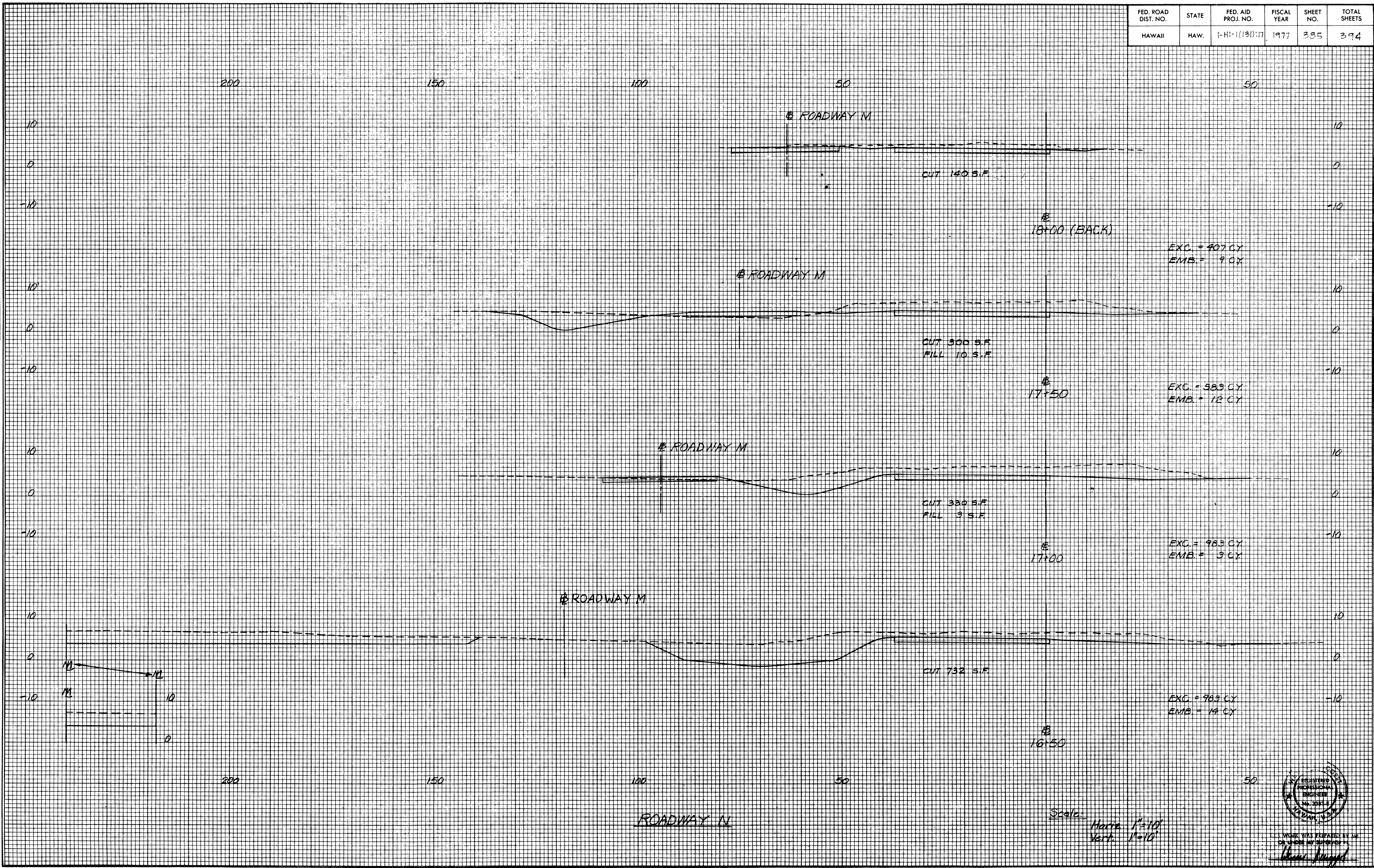


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Walter Duggan

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-H1-1(130)17	1977	385	394

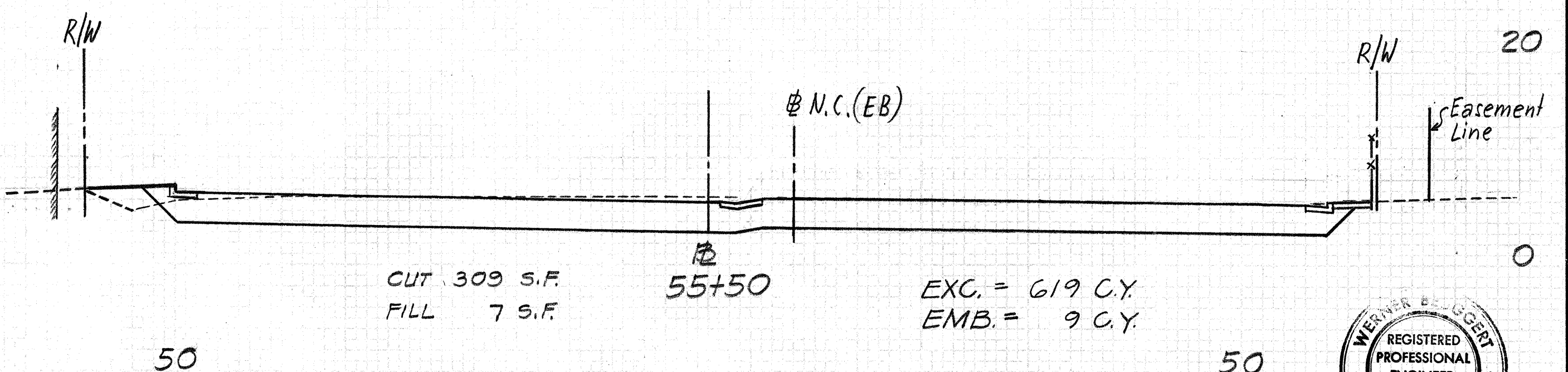
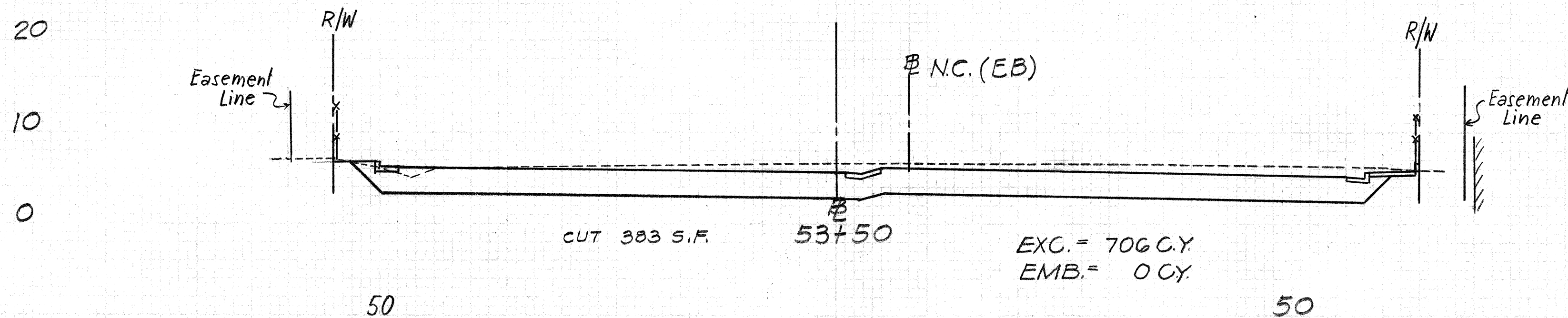
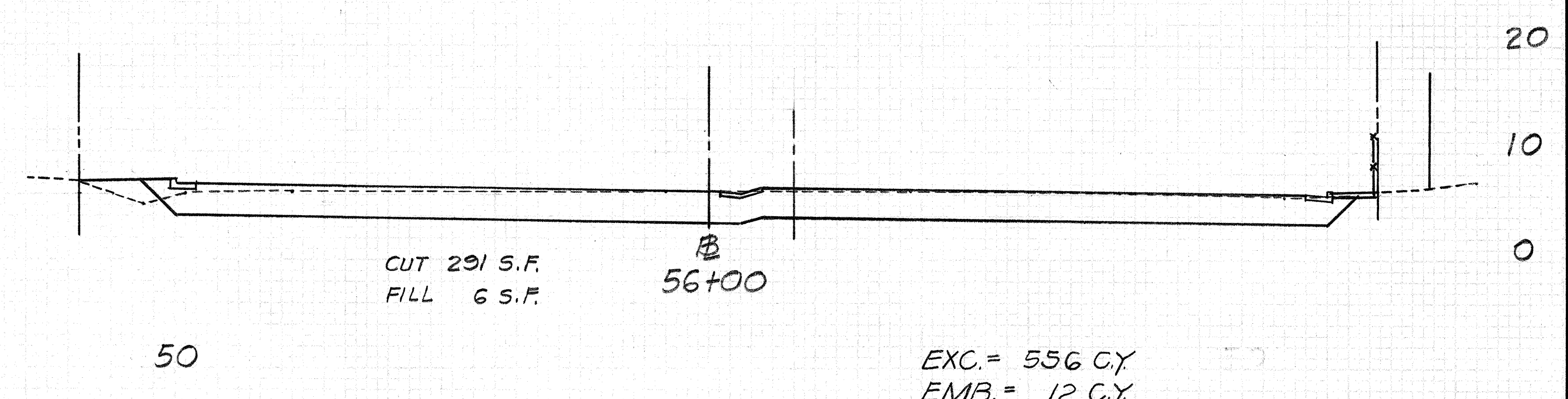
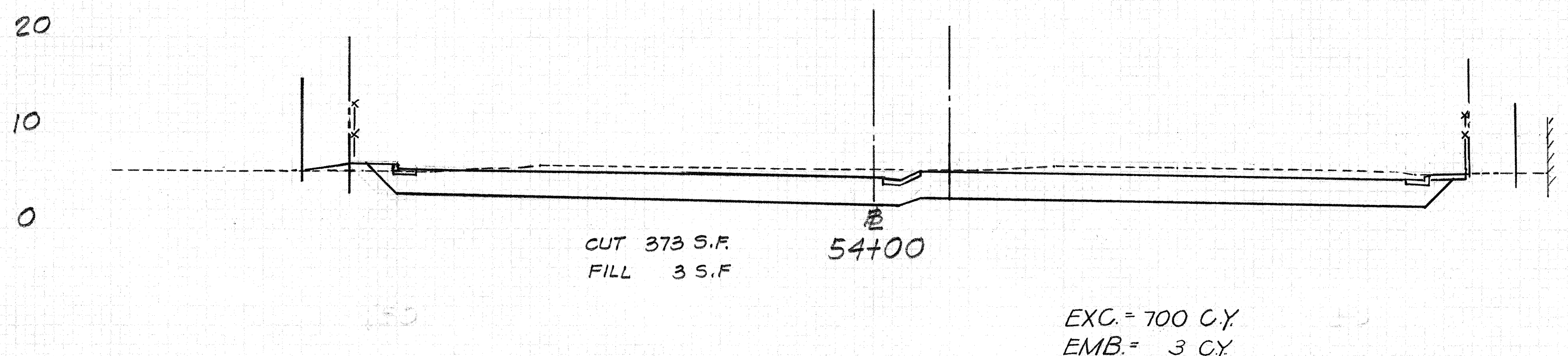
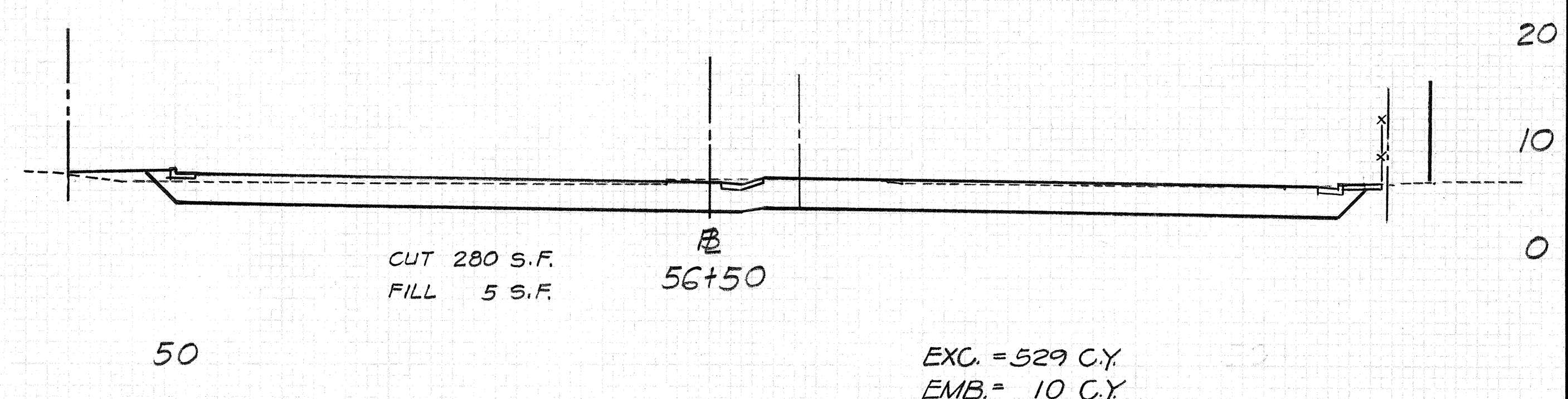
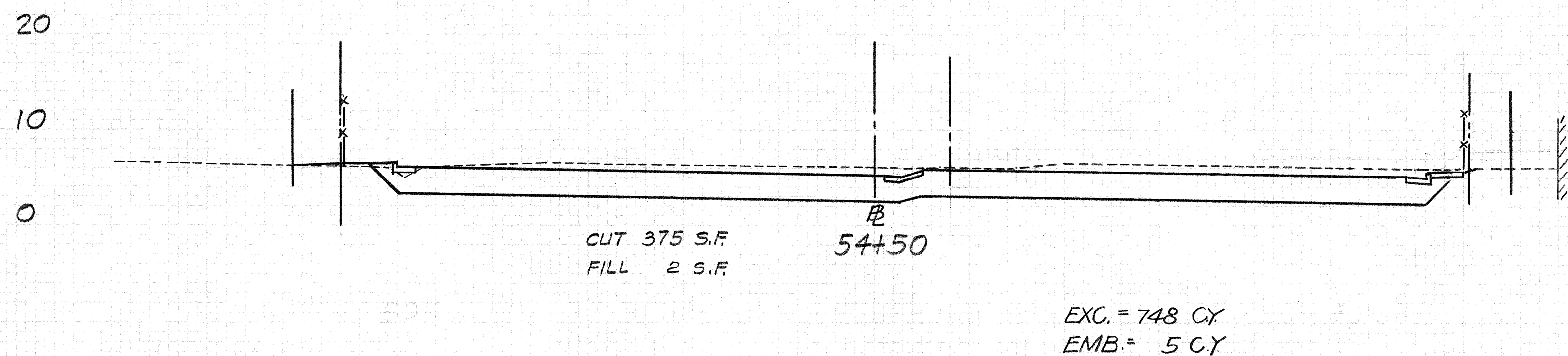
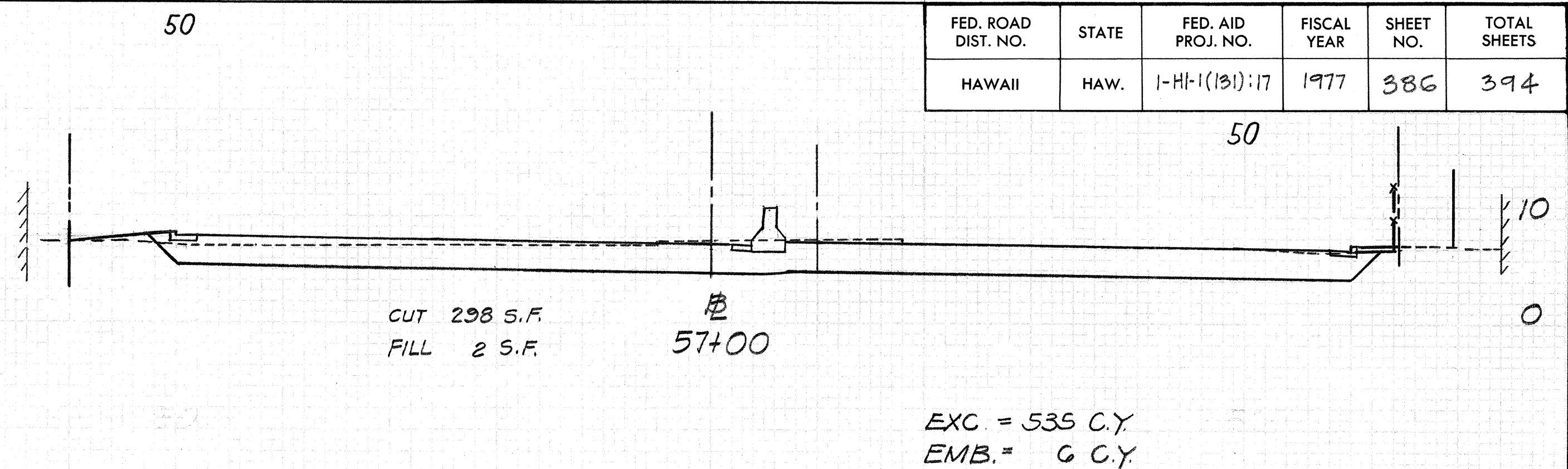
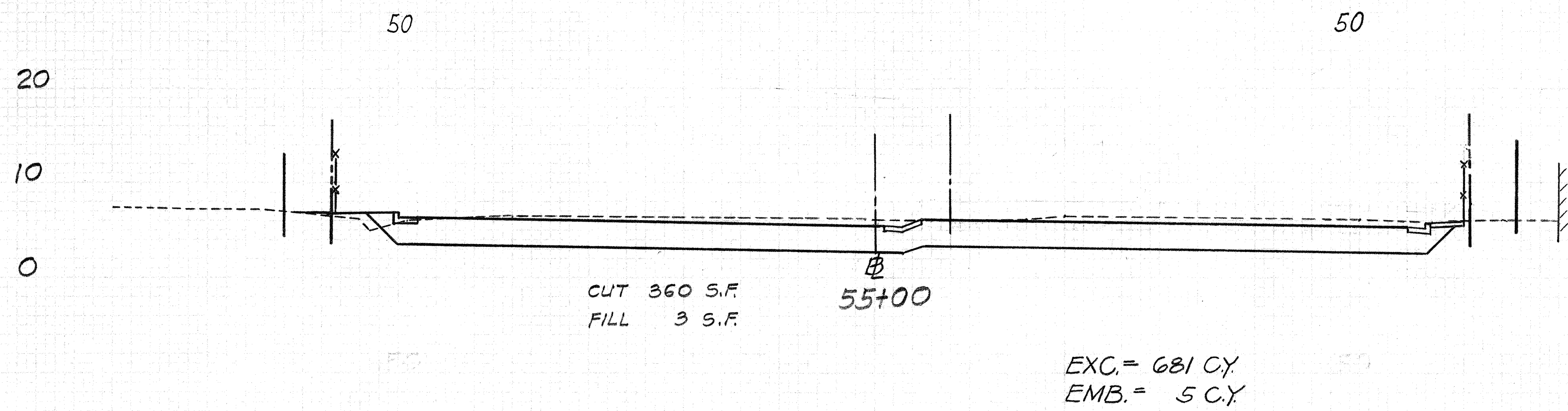
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	BY
	SURVEYED
	NOTE BOOK NO.

ORIGINAL SURVEY	DATE
	BY
	SURVEYED
	NOTE BOOK NO.



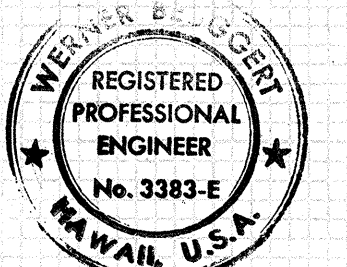
ALL WORK WAS EXAMINED BY ME
OR UNDER MY SUPERVISION
[Signature]

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-HI-1(131):17	1977	386	394



NIMITZ CONNECTOR (WB)

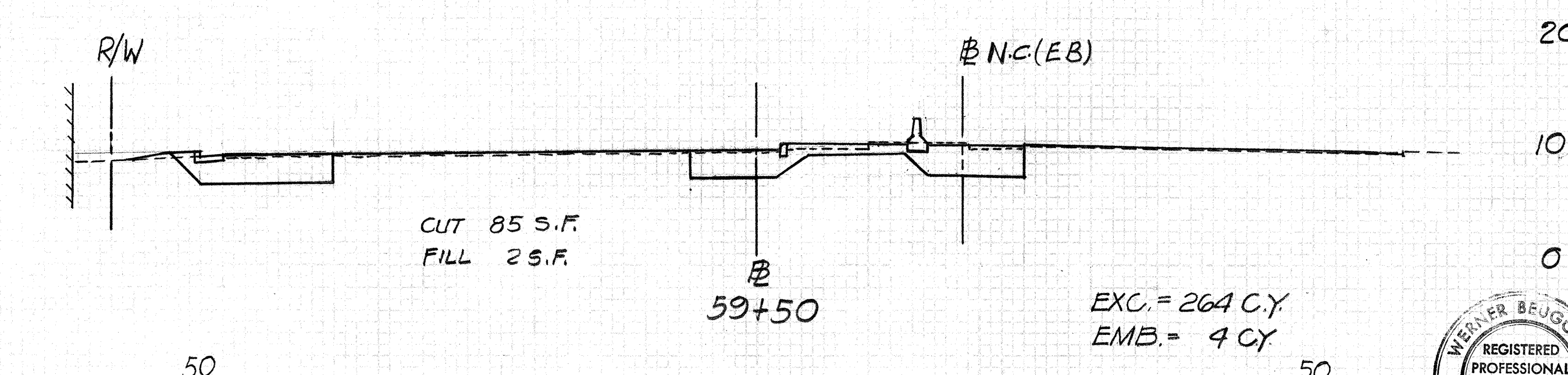
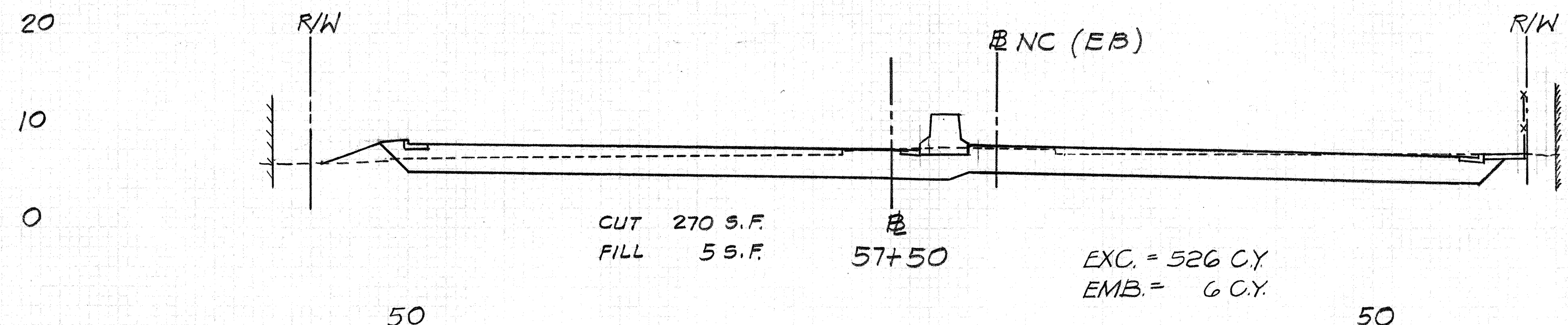
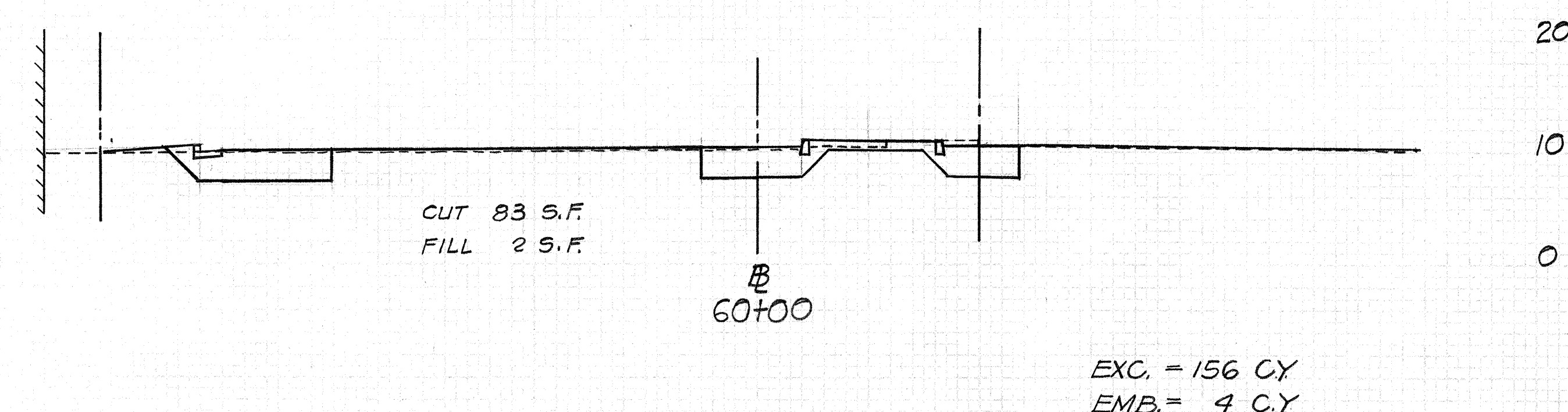
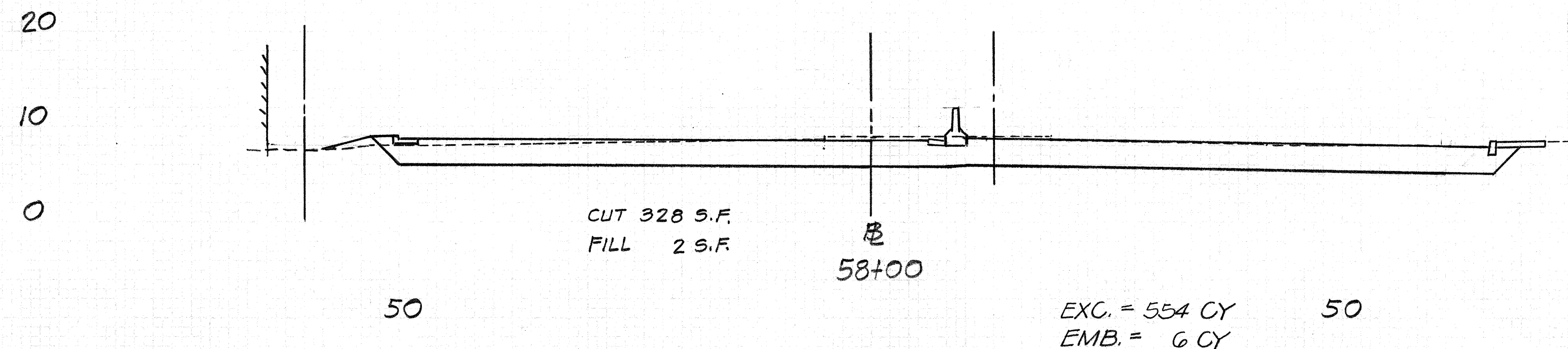
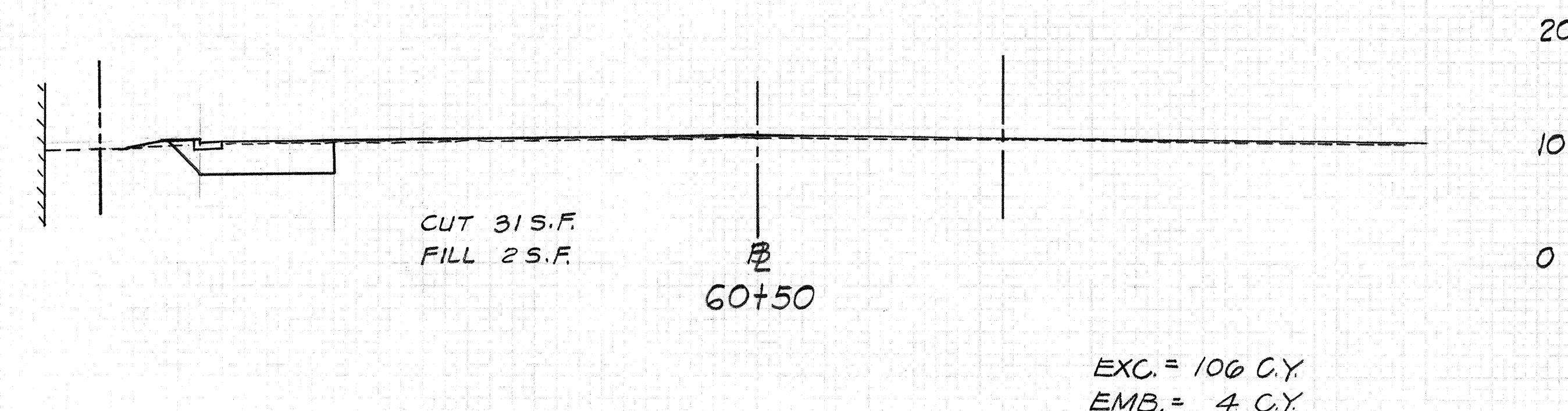
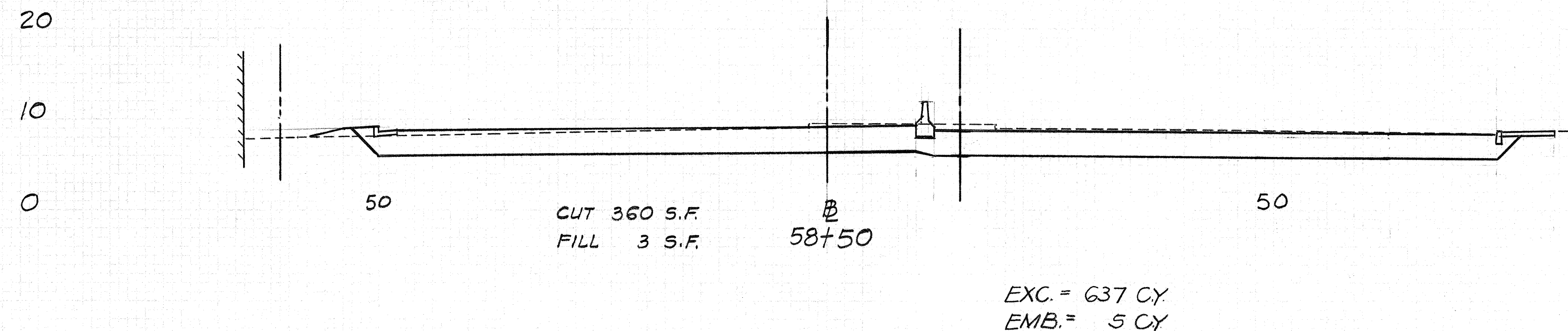
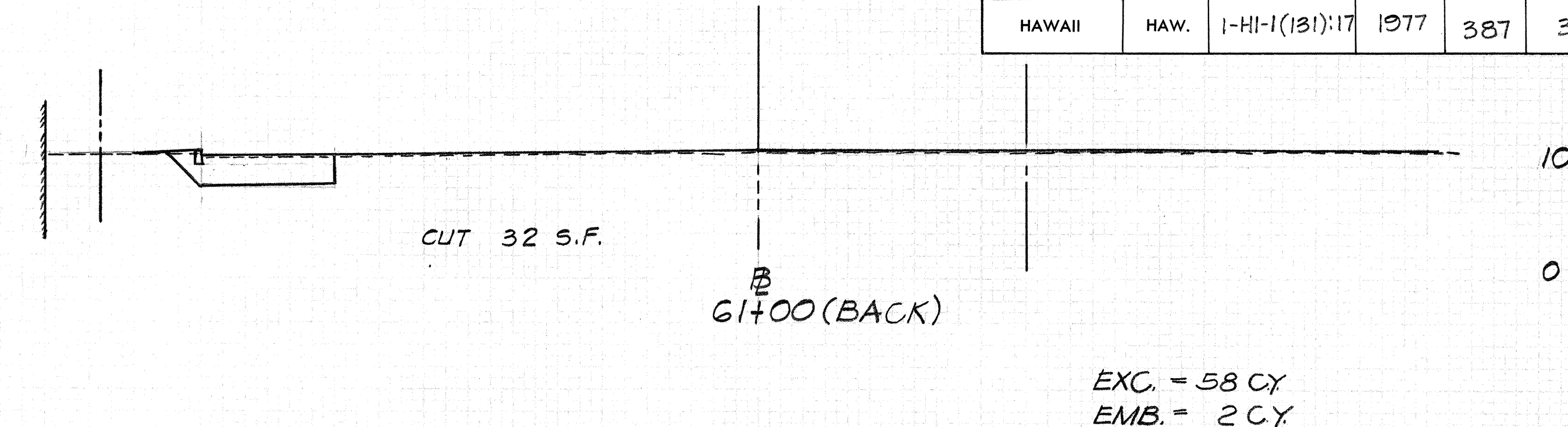
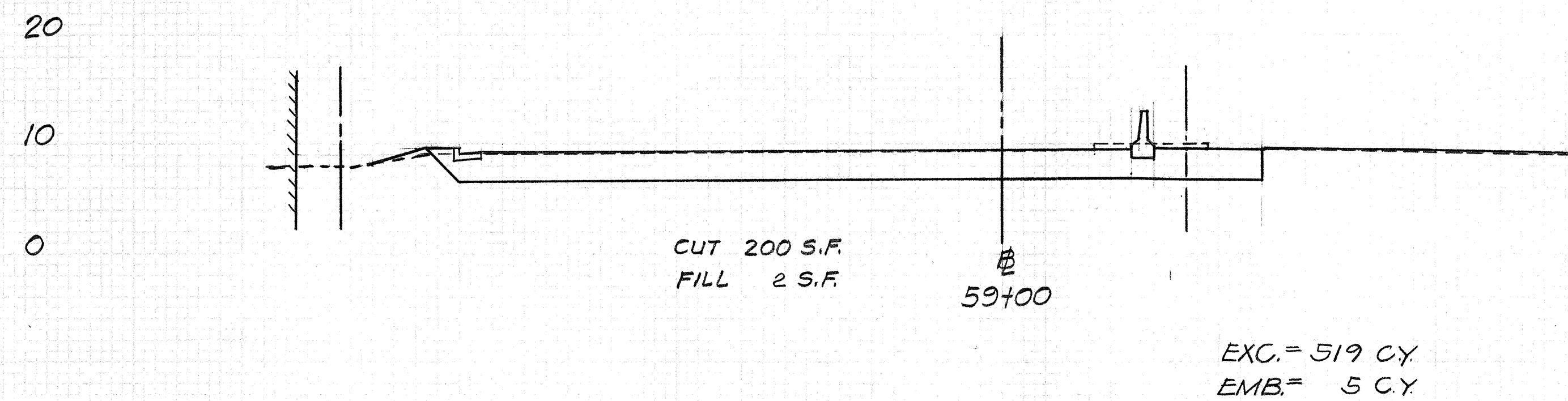
Scale:
Horiz. 1" = 10'
Vert. 1" = 10'



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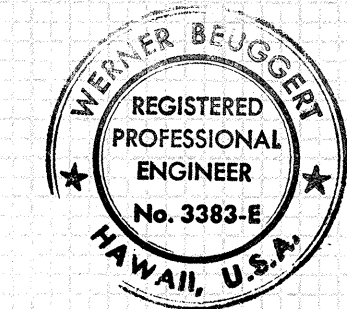
Handwritten signature

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-HI-1(131):17	1977	387	394



NIMITZ CONNECTOR (WB)

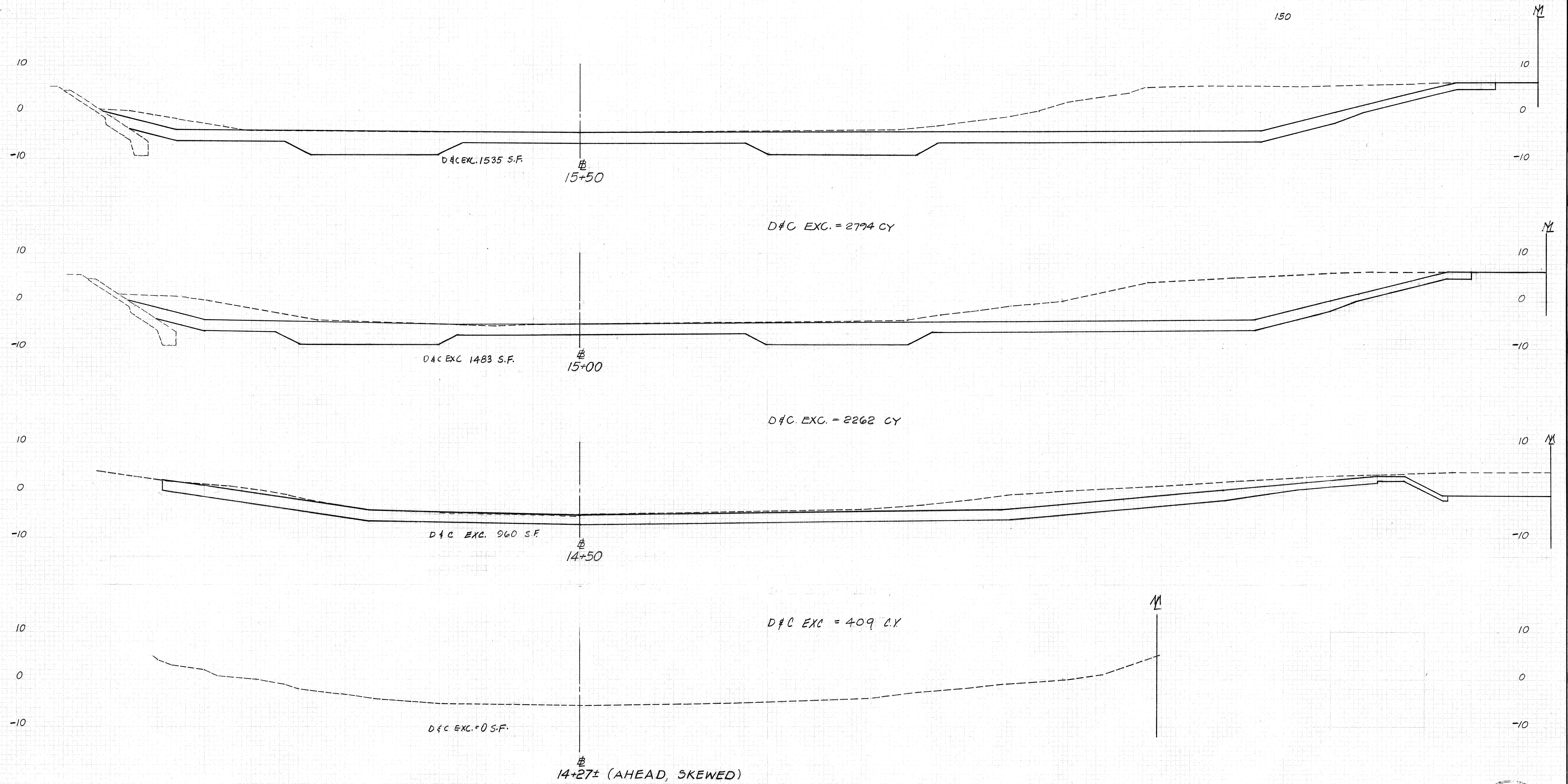
Scale:
Horiz. 1" = 10'
Vert. 1" = 10'



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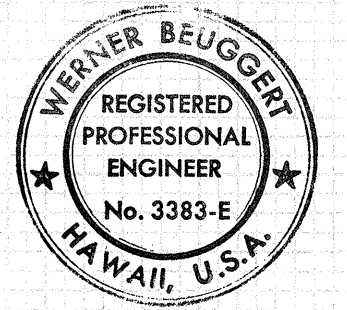
Werner Bruggert

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-HI-1(131):17	1977	388	394



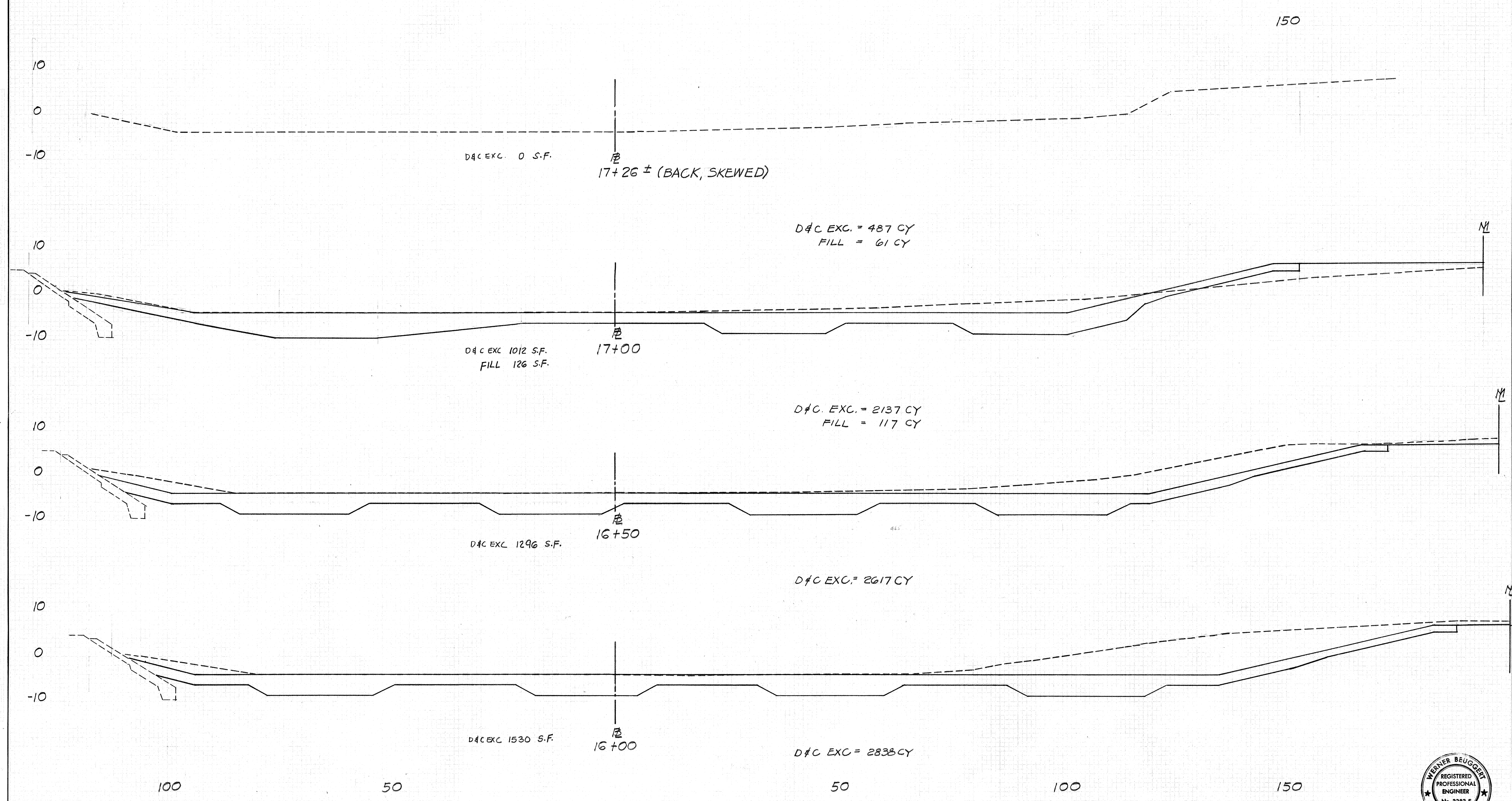
MOANALUA STREAM

Scale:
 Horiz. 1"=10'
 Vert. 1"=10'



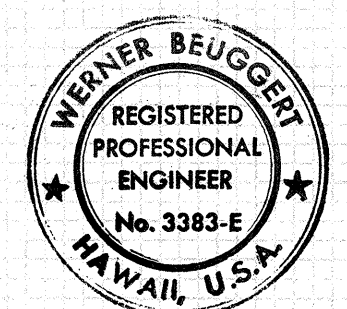
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FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-HI-1(131):17	1977	389	394



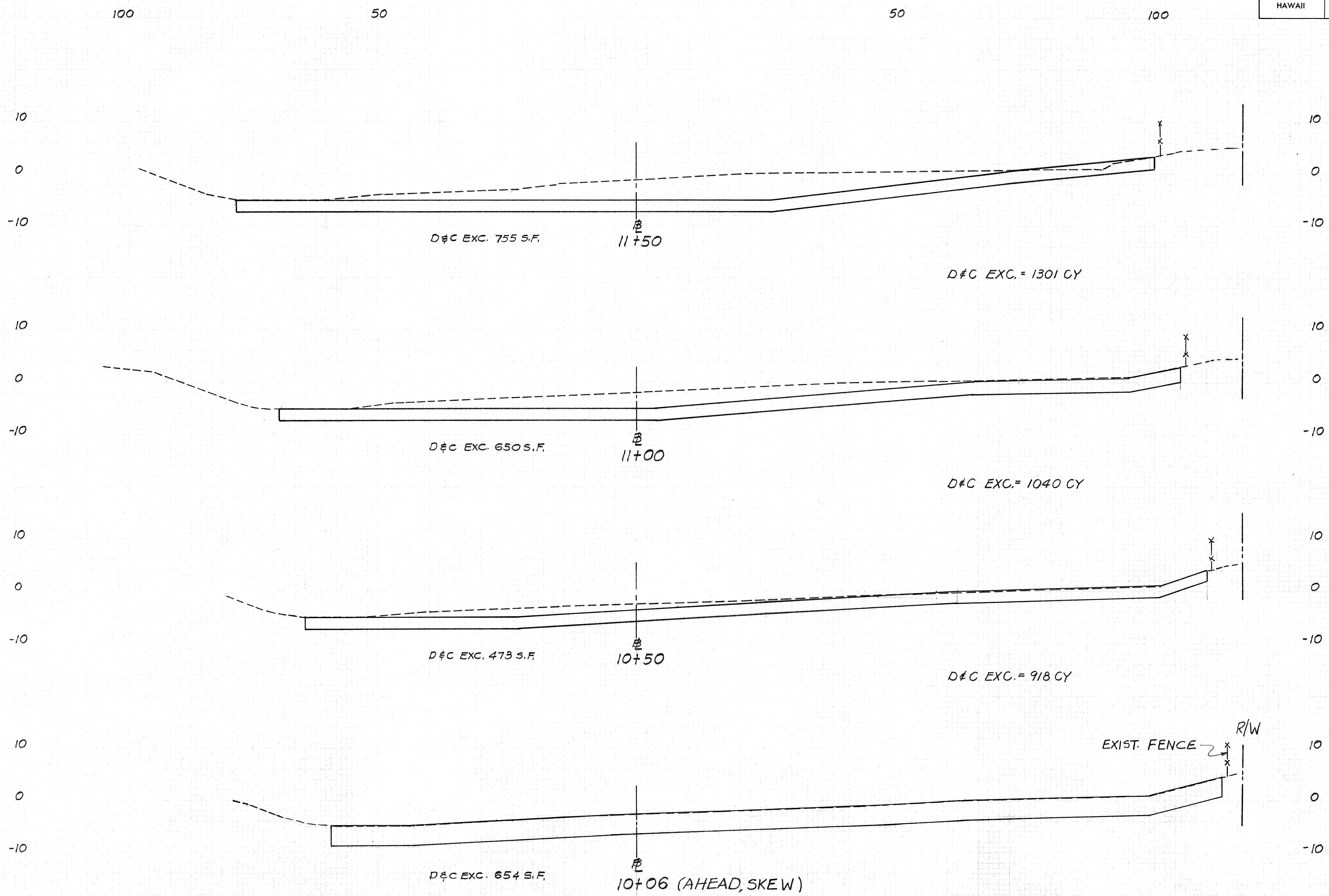
MOANALUA STREAM

Scale:
 Horiz. 1" = 10'
 Vert. 1" = 10'



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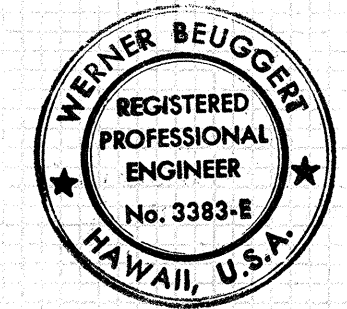
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-HI-1(131):17	1977	390	394



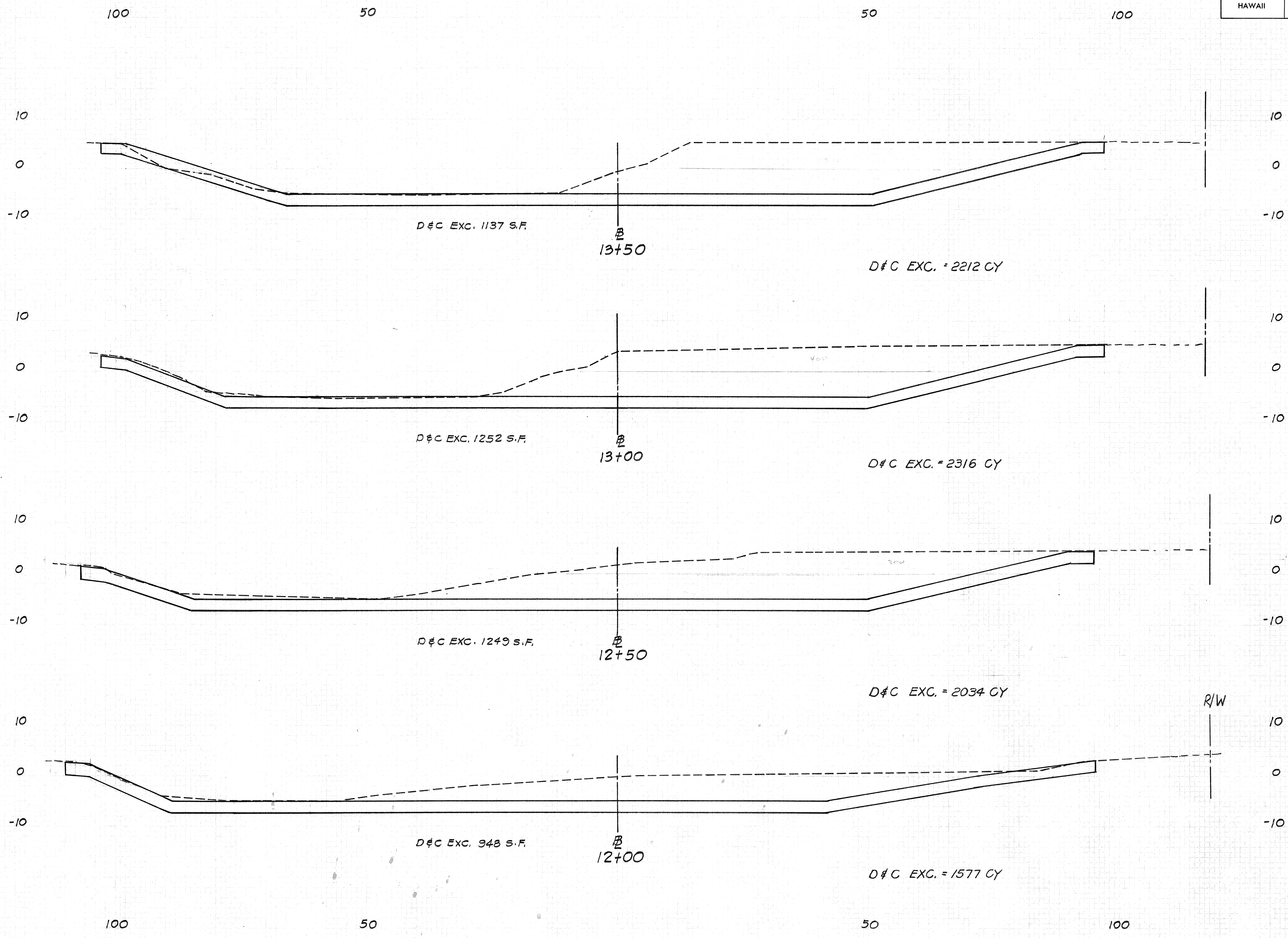
KALIHI STREAM

Scale:
 Horiz. 1" = 10'
 Vert. 1" = 10'

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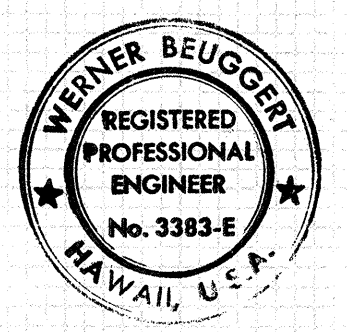
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-H14(131):17	1977	391	394



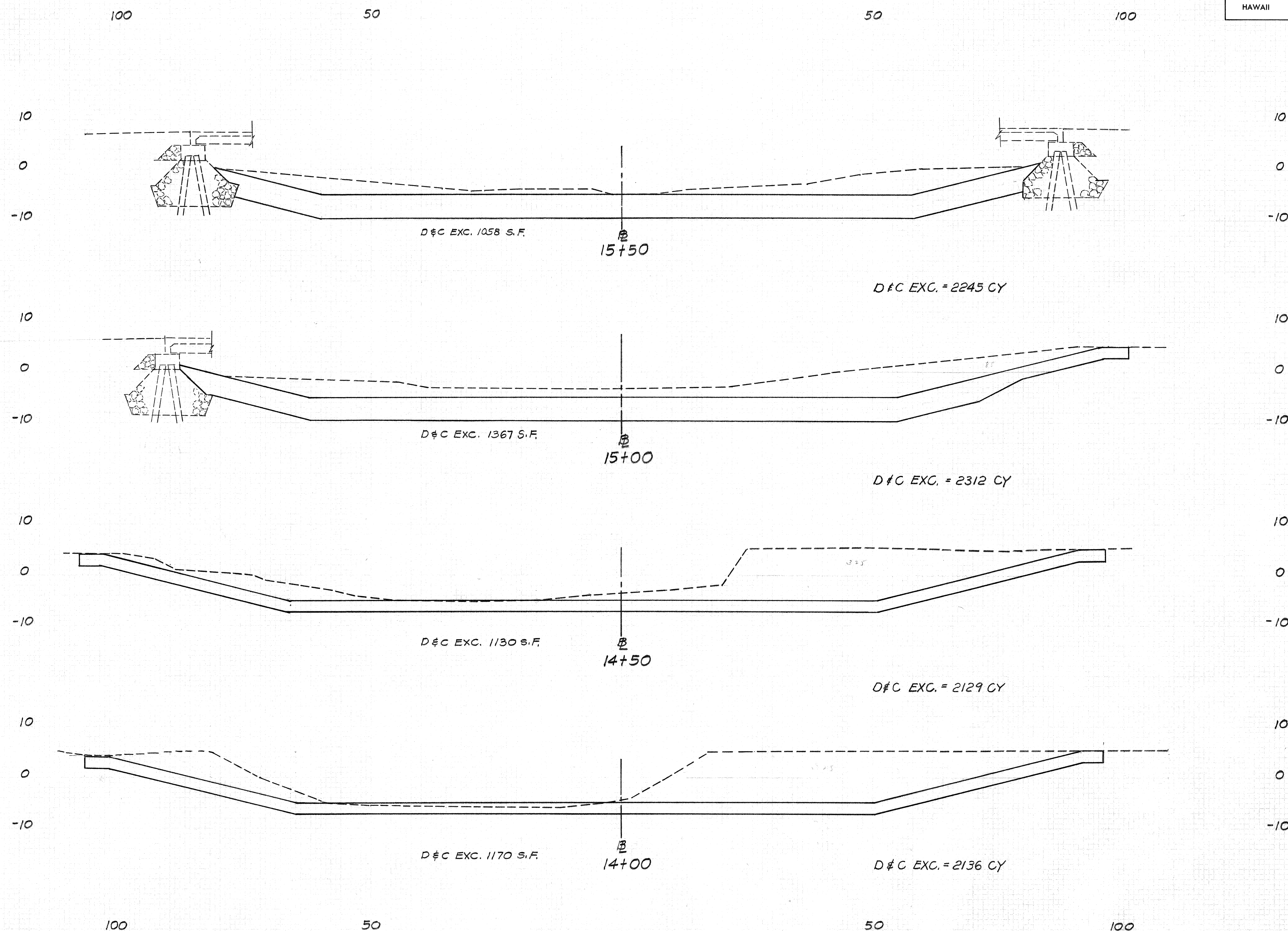
KALIHI STREAM

Scale:
 Horiz. 1" = 10'
 Vert. 1" = 10'

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Werner Beugnot

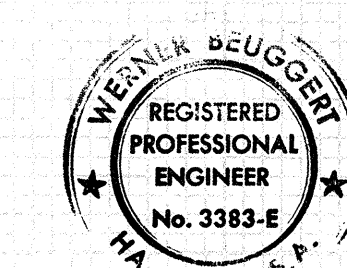


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-HI-1(131):17	1977	392	394



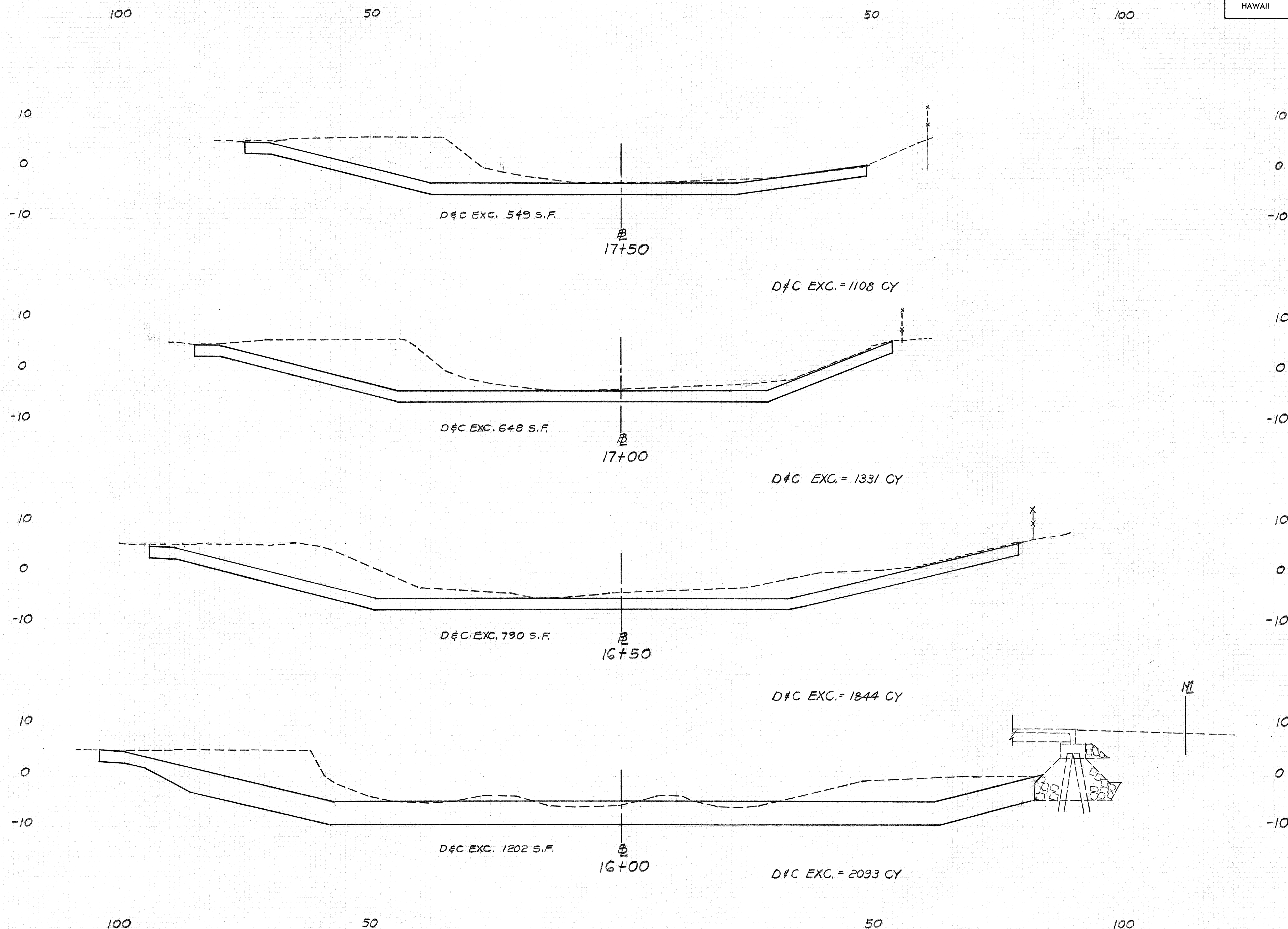
KALIHI STREAM

Scale:
 Horiz. 1" = 10'
 Vert. 1" = 10'



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 OR UNDER MY SUPERVISION,
 Werner Seuggert

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-HI-1(131):17	1977	393	394

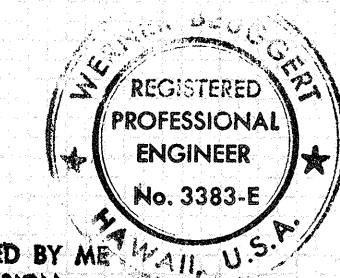


KALIHI STREAM

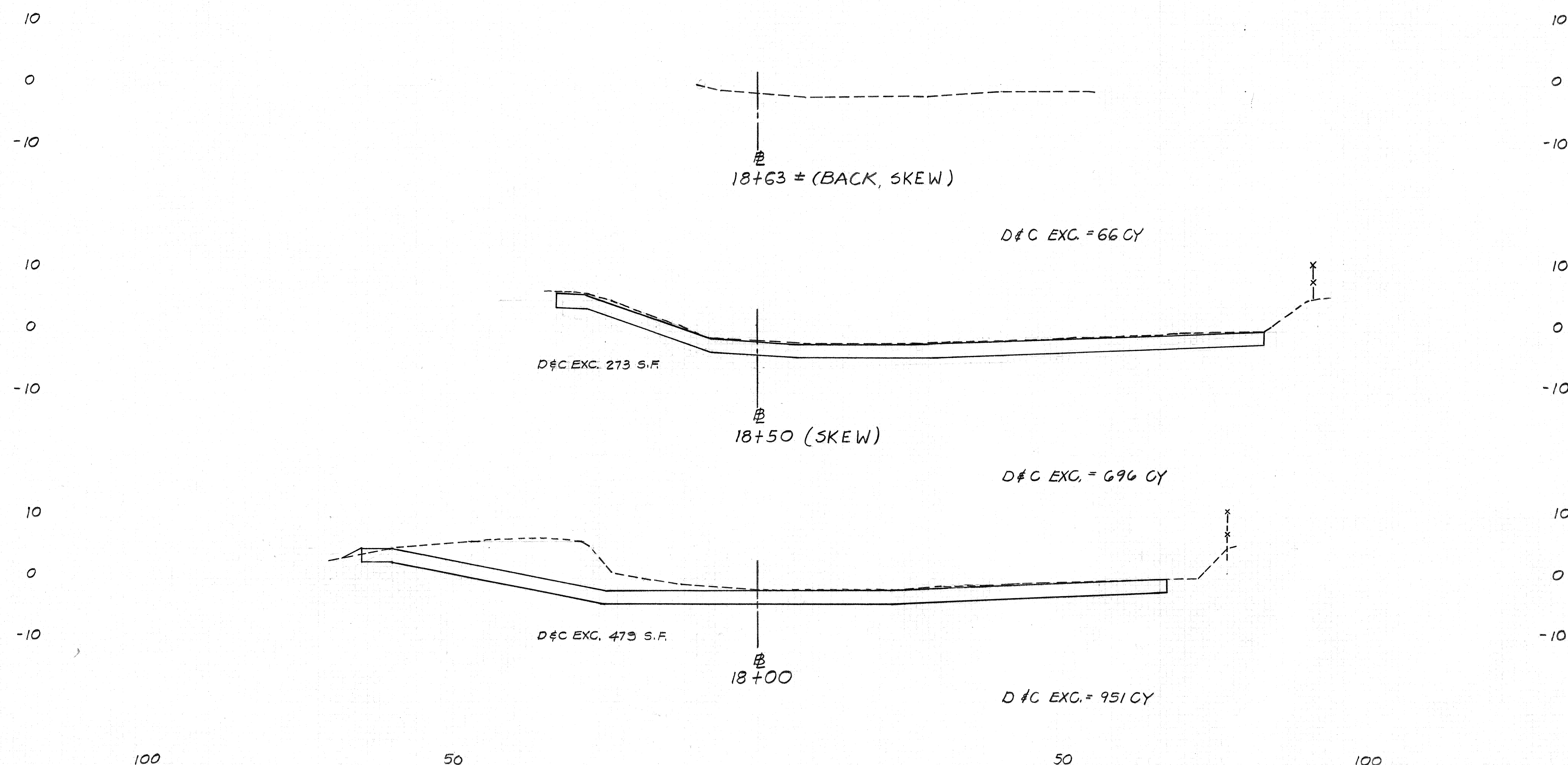
Scale:
 Horiz. 1"=10'
 Vert. 1"=10'

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 OR UNDER MY SUPERVISION

Walter H. H. H.



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-HI-1(131):17	1977	394	394



KALIHI STREAM

Scale:
 Horiz. 1" = 10'
 Vert. 1" = 10'

REGISTERED PROFESSIONAL ENGINEER
 No. 3383-E
 HAWAII, U.S.A.

WORK WAS PREPARED BY ME
 OR UNDER MY SUPERVISION.
Walter J. Haggitt