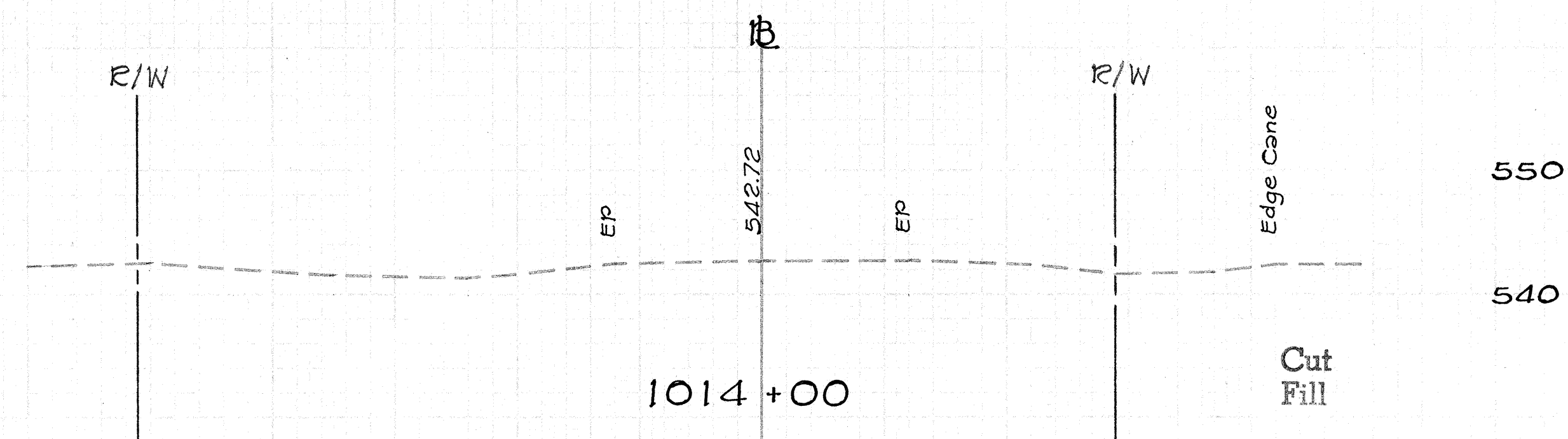


60 50 40 30 20 10 0 10 20 30 40 50



LEGEND

IGC = Inbound Grade Control Line

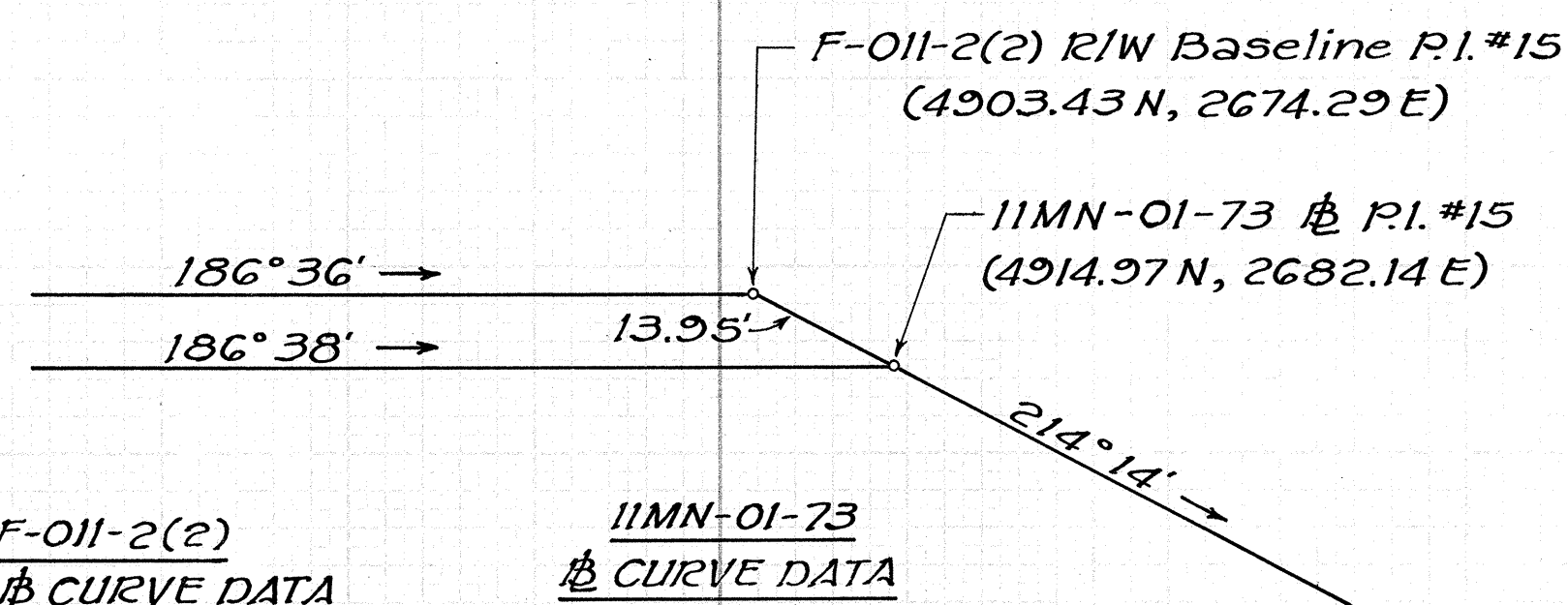
IBL = Inbound Lane

OBL = Outbound Lane

○ = Existing 8" Transite Waterline (Approximate Locations)

● = New 12" D.I. Waterline (Approximate Locations)

NOTE: Right-of-Way baseline (R/W) of Project No. F-011-2(2) has been adopted as the baseline for this project, except in the vicinity of the beginning of project. Refer to baseline data below for revisions.



F-011-2(2) R/W CURVE DATA

$\Delta = 27^\circ 38'$
 $R = 2129.04'$
 $T = 523.60'$
 $L_c = 1026.82'$
 $C = 1016.90'$

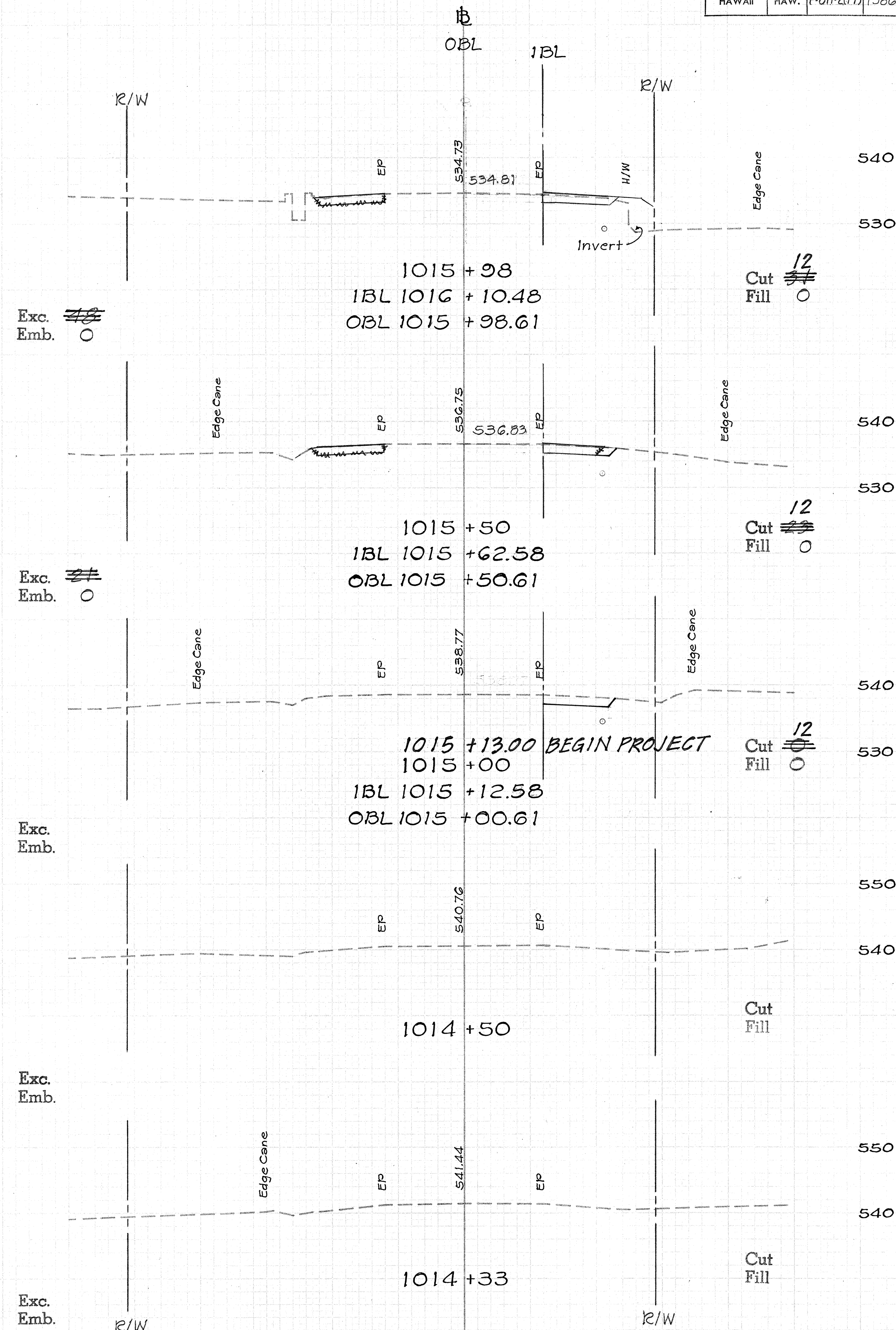
IIMN-01-73 R/W CURVE DATA

$\Delta = 27^\circ 36'$
 $D = 2.646836^\circ$
 $R = 2164.69'$
 $T = 531.70'$
 $L_c = 1042.75'$
 $C = 1032.70'$

Origin of Azimuths & Coordinates per Proj. No. F-011-2(2) R/W Map.

60 50 40 30 20 10 0 10 20 30 40 50

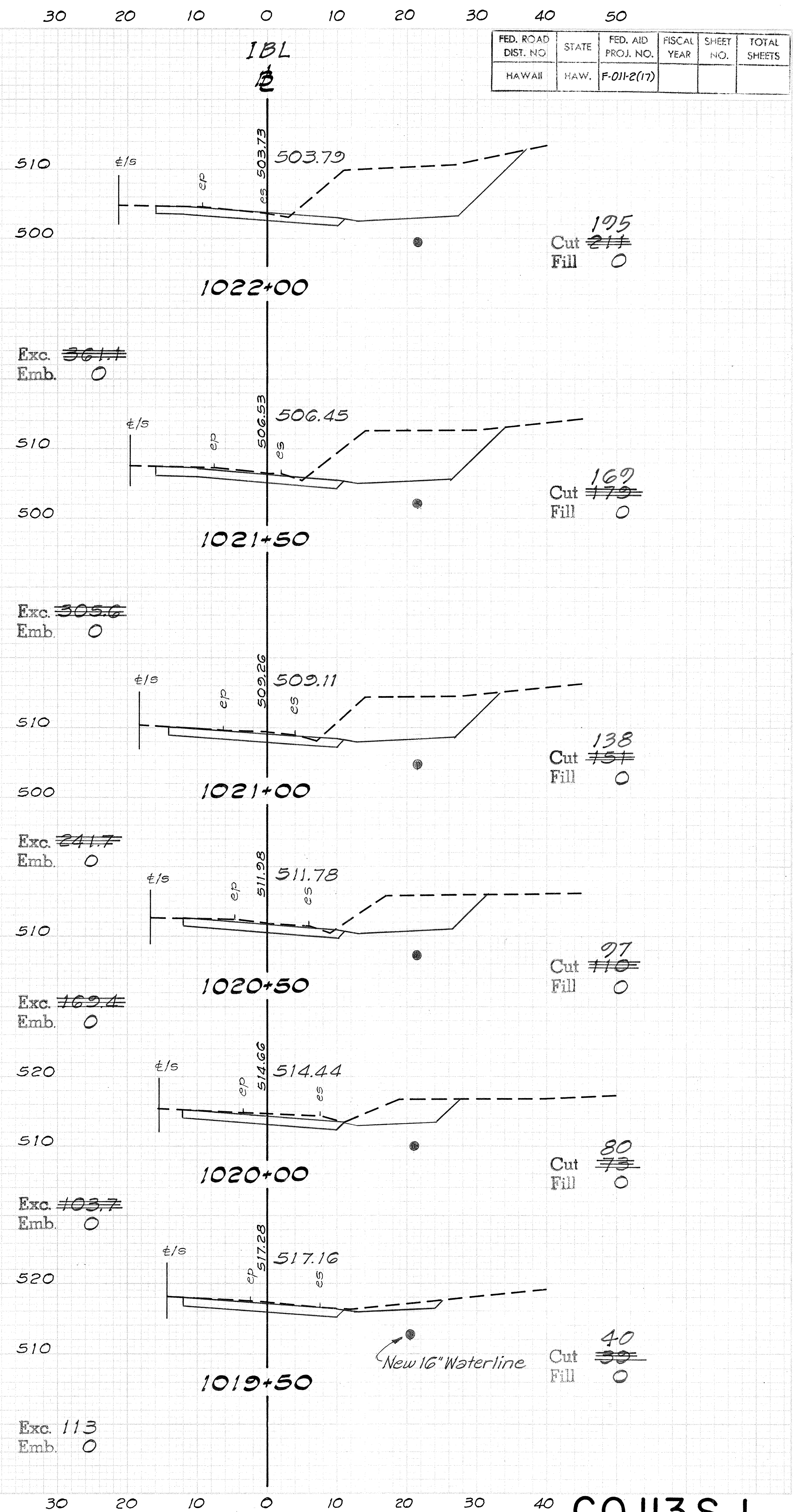
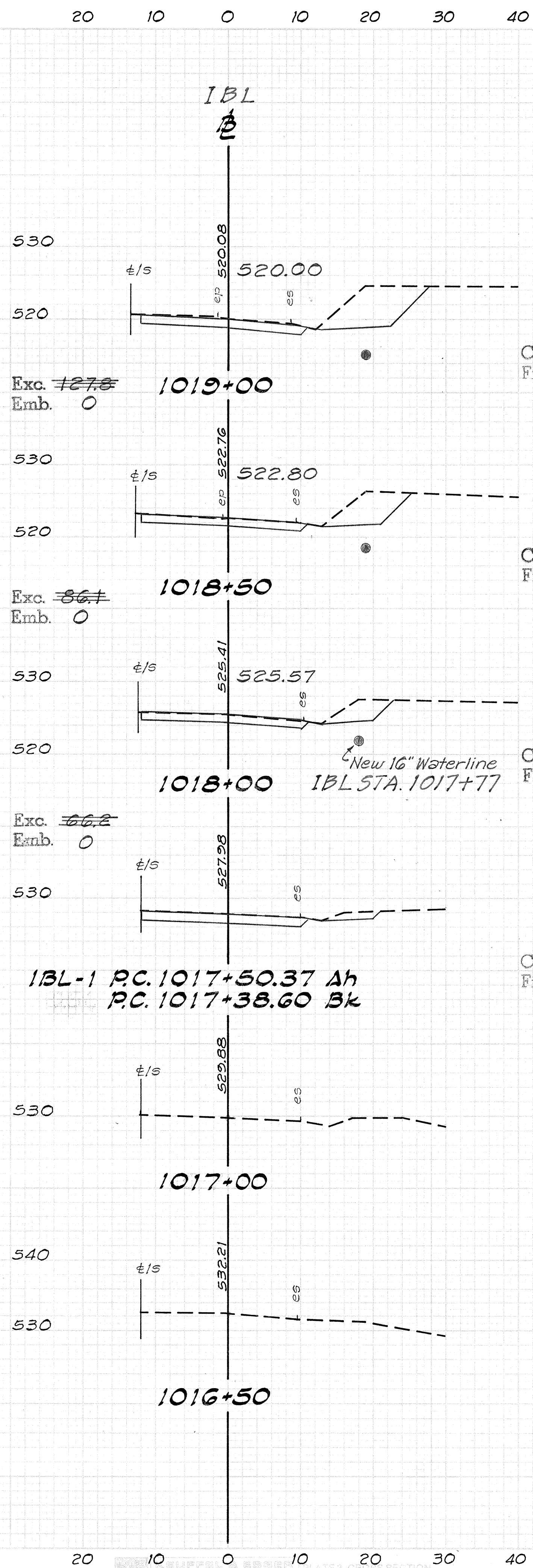
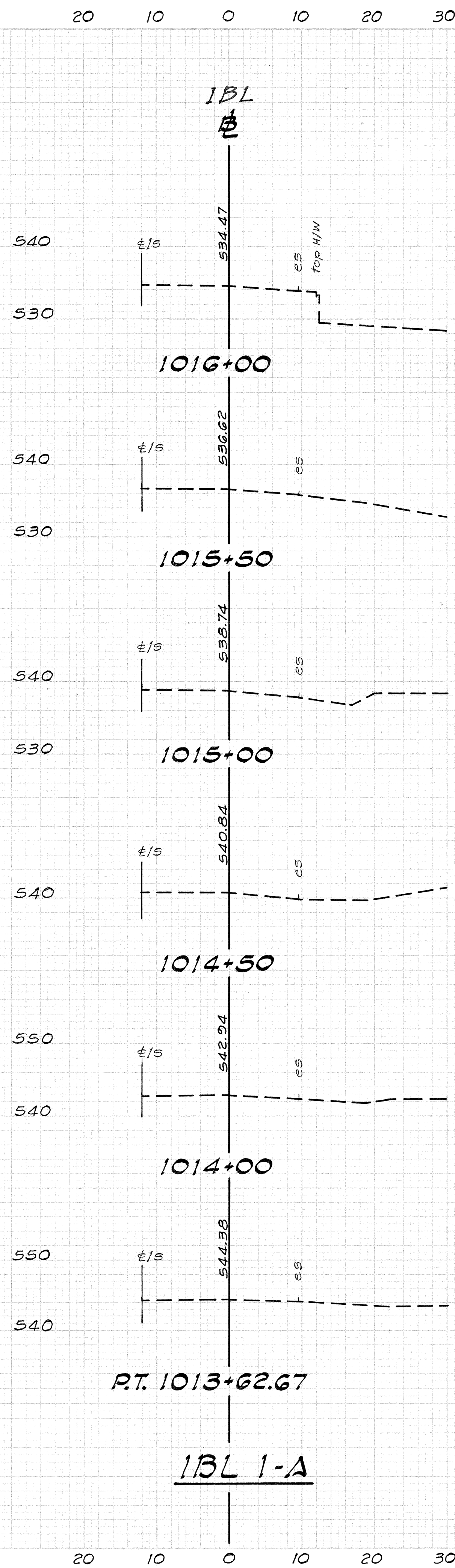
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-011-2(17)	1986	113	142



DATE	
BY	
ORIGINAL SURVEY	
NOTE BOOK	
TEMPLATE	
AREAS CHECKED	
NO.	

DATE	Apr. 86
BY	M.
ORIGINAL SURVEY	
NOTE BOOK	
TEMPLATE	
AREAS CHECKED	
NO.	C-1322

AP 5-8



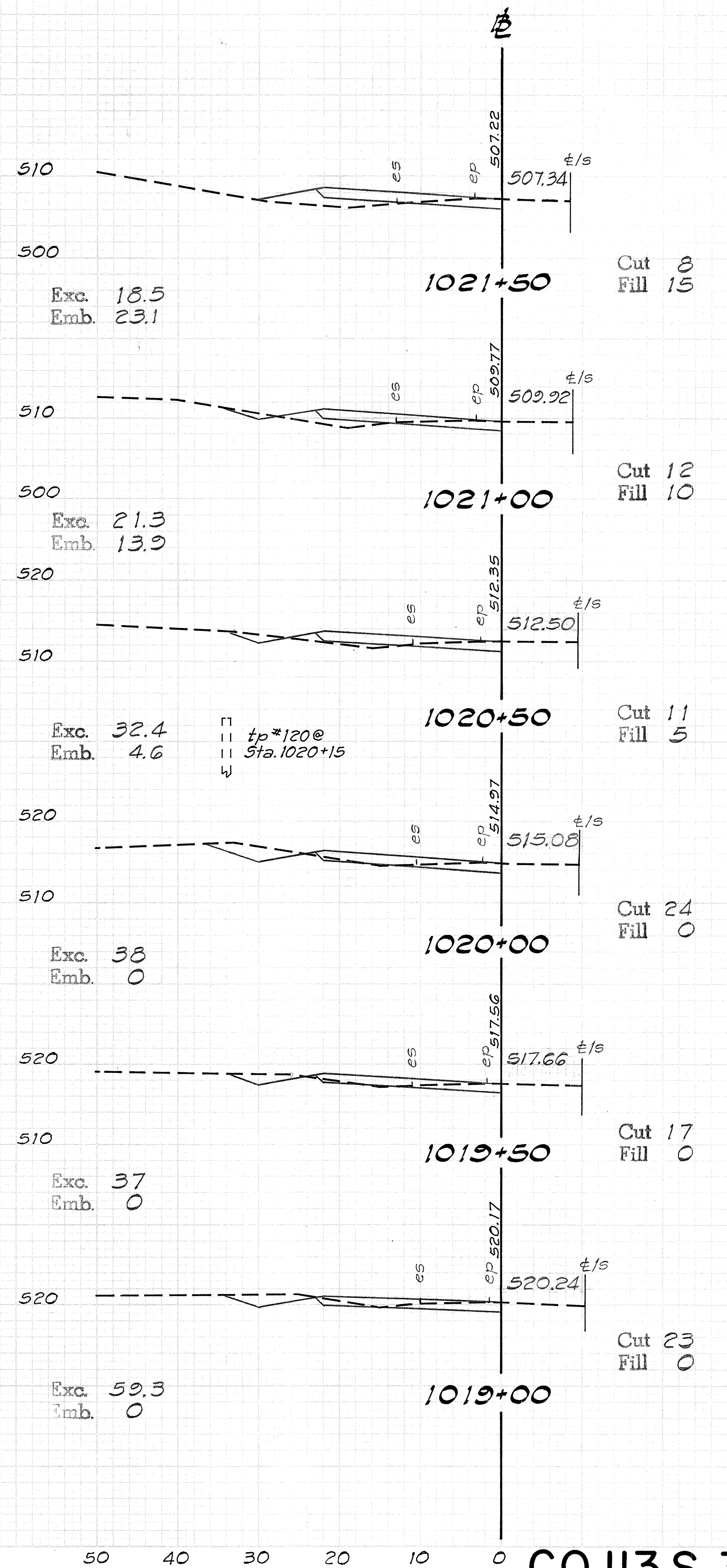
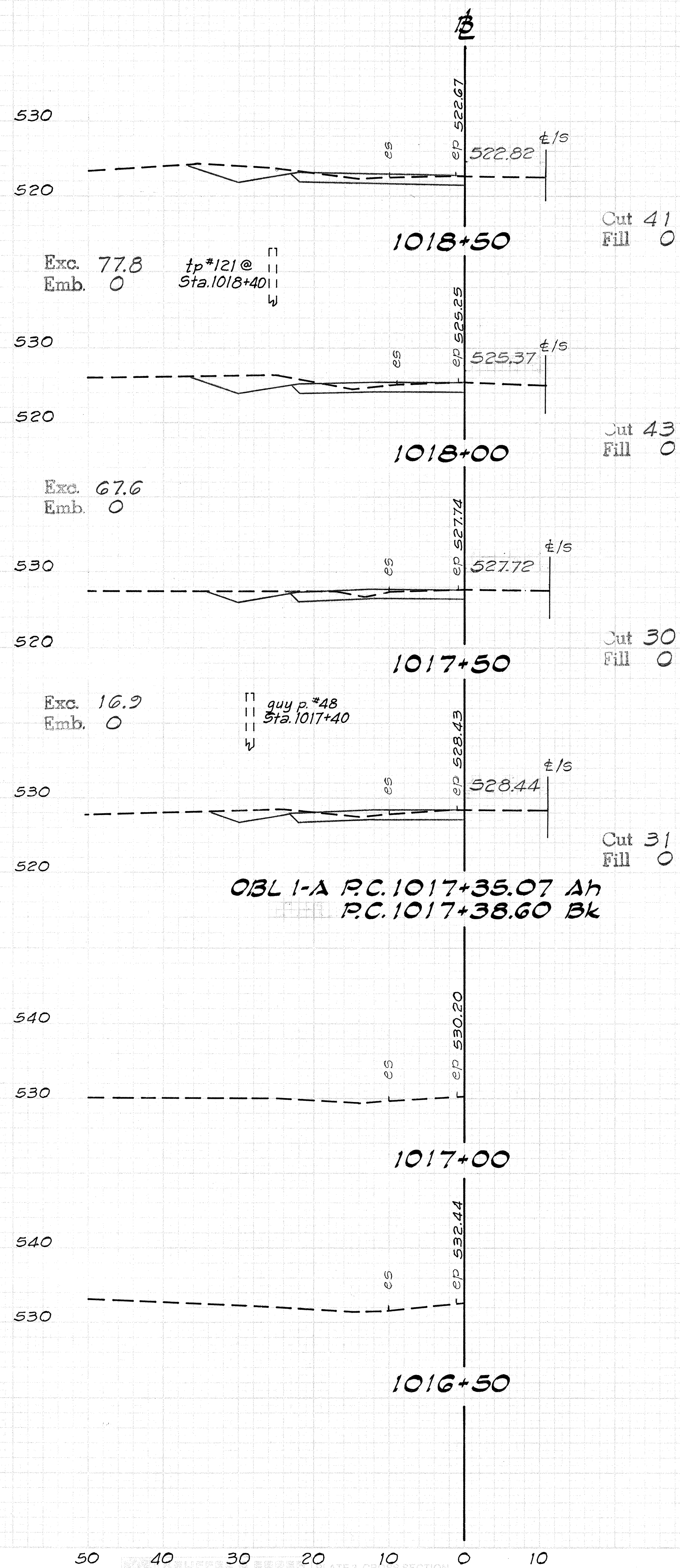
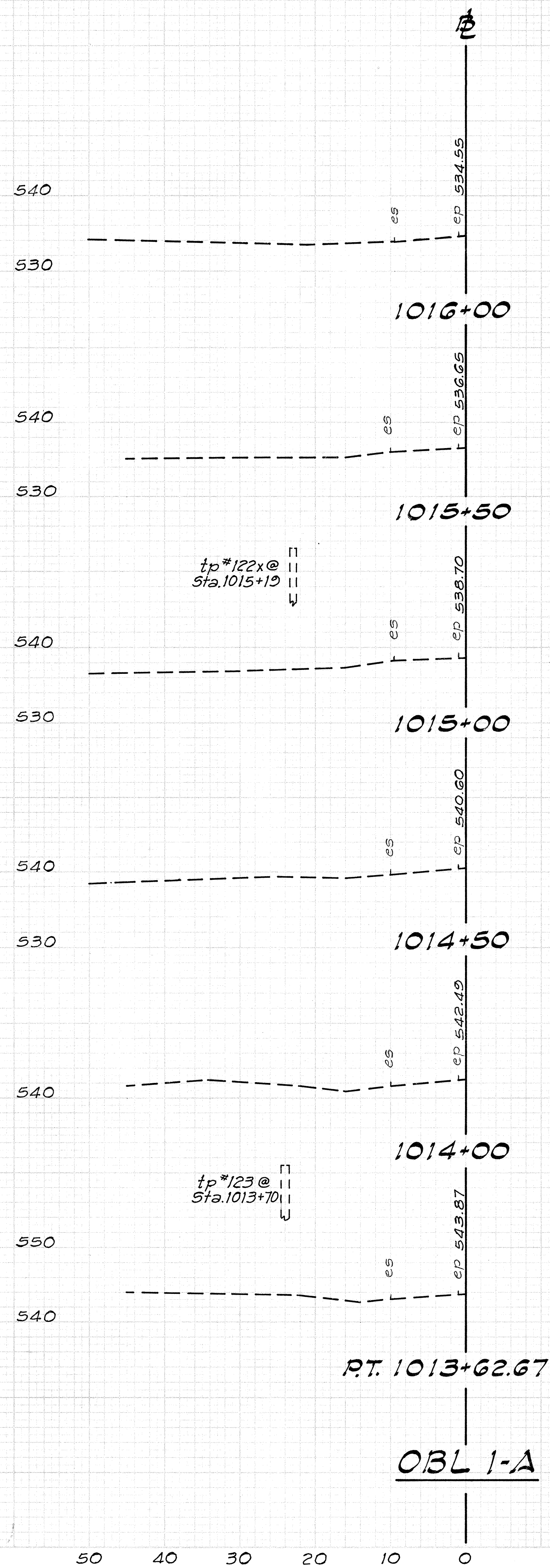
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-0112(17)			

DATE	
BY	
SURVEYED	
NOTE BOOK	
TEMPLATE	
AREAS CHECKED	

DATE	Apr 86
BY	js
SURVEYED	
NOTE BOOK	
TEMPLATE	
AREAS CHECKED	

NO. C-1322
pp 13-14

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-011-2(17)			

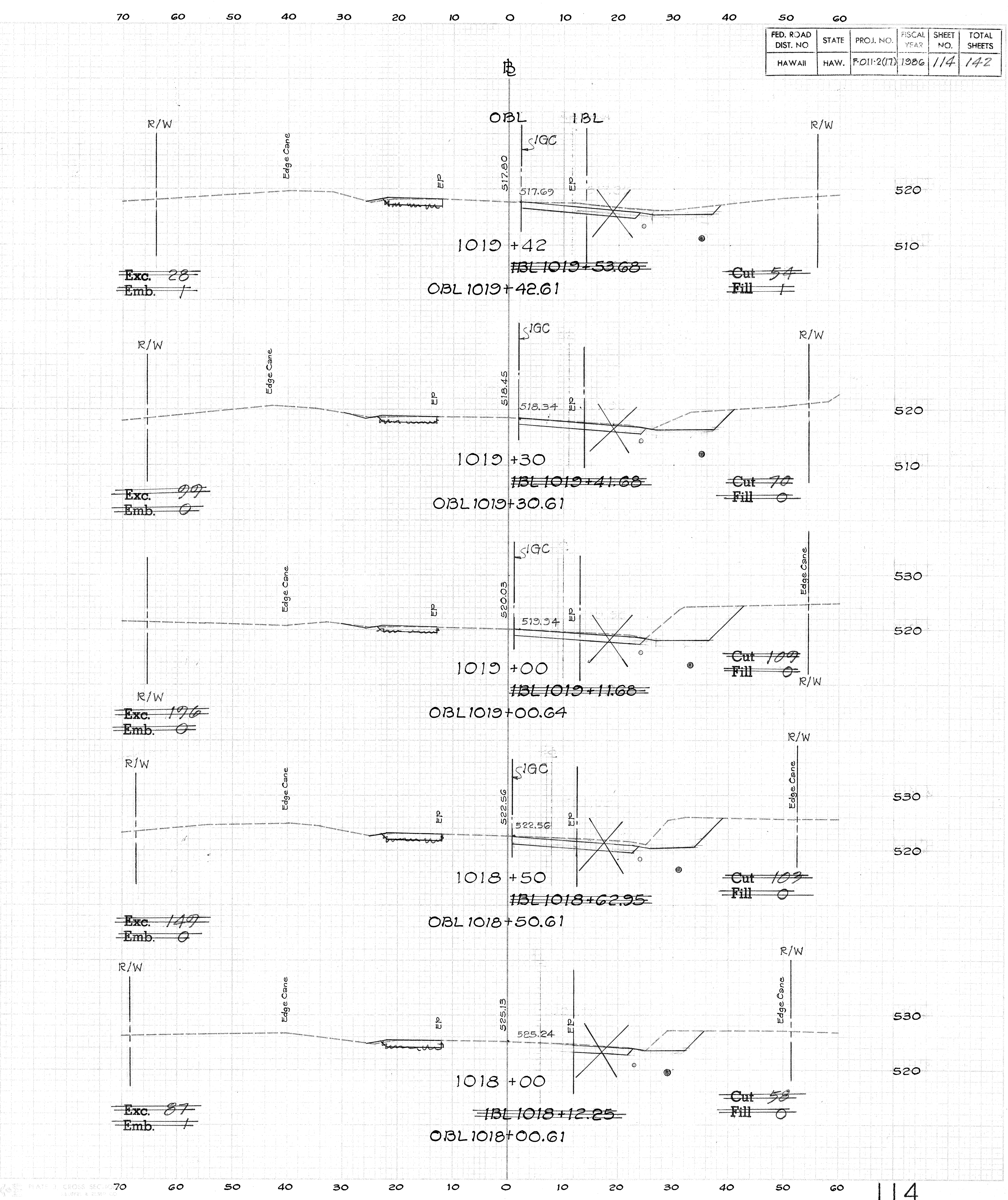
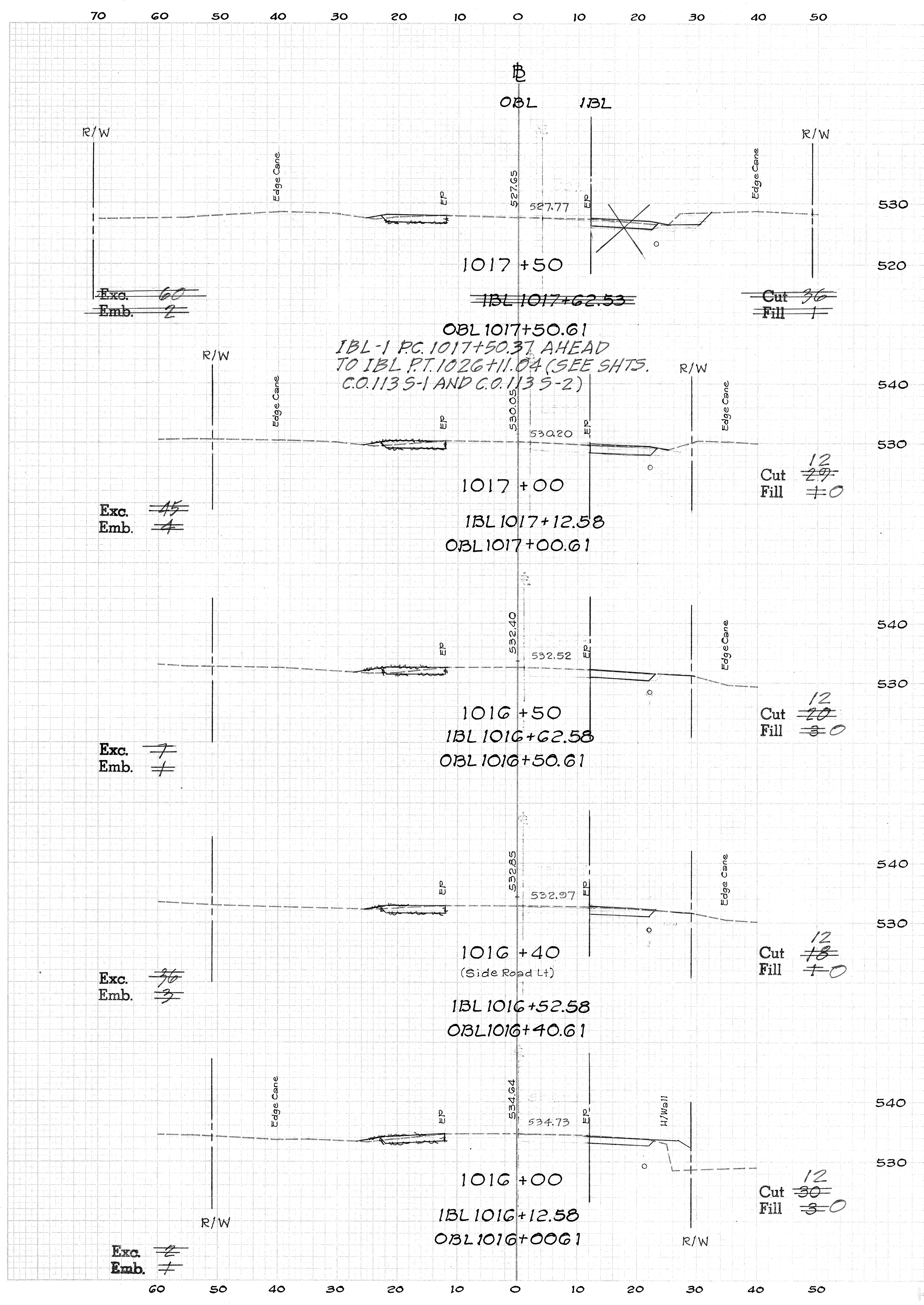


ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED	<i>JS</i>	<i>Apr. 86</i>
TEMPLATE	AREAS		
NO	CHECKED		
	<i>C-1322</i>		

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	P-011-2(17)	1986	114	142

FINAL	DATE
SURVEY	BY
NOTE BOOK	NO.
TEMPLATE	AREAS CHECKED

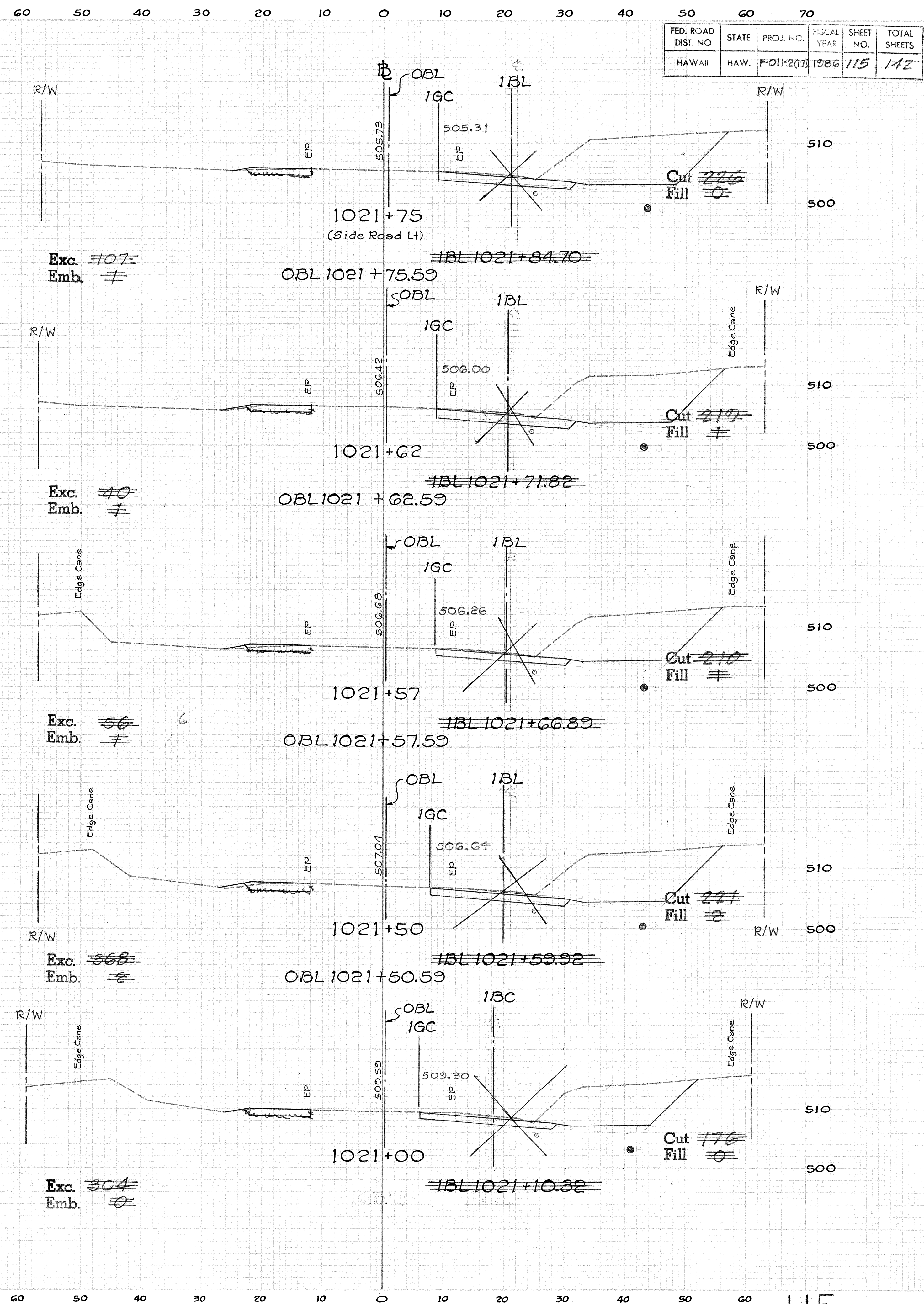
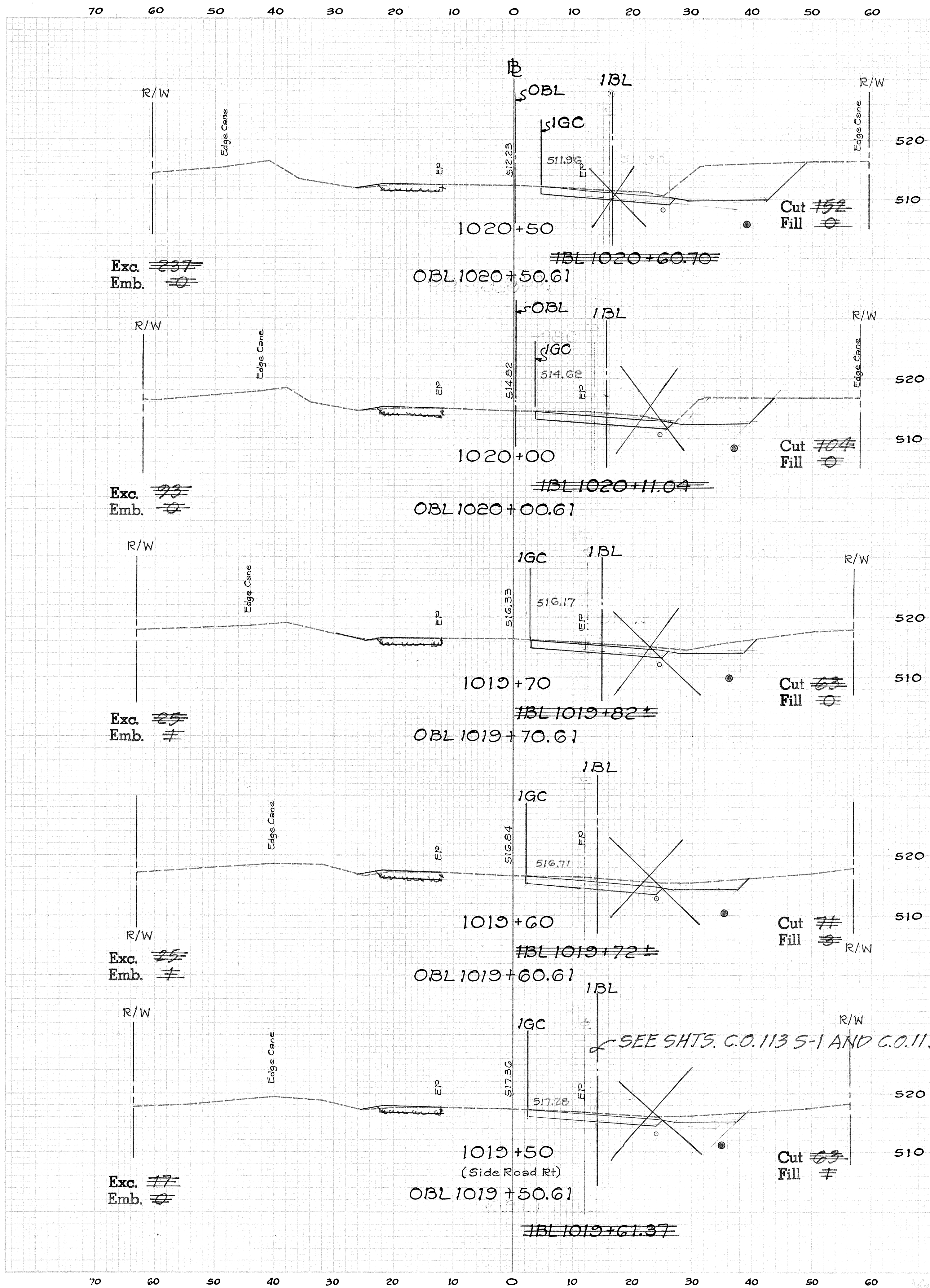
ORIGINAL	DATE
SURVEY	BY
NOTE BOOK	NO.
TEMPLATE	AREAS CHECKED



FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-011-2(17)	1986	115	142

DATE	BY
FINAL SURVEY	PLOTTED
NOTE BOOK	TEMP. PLATE
NO.	AREAS CHECKED

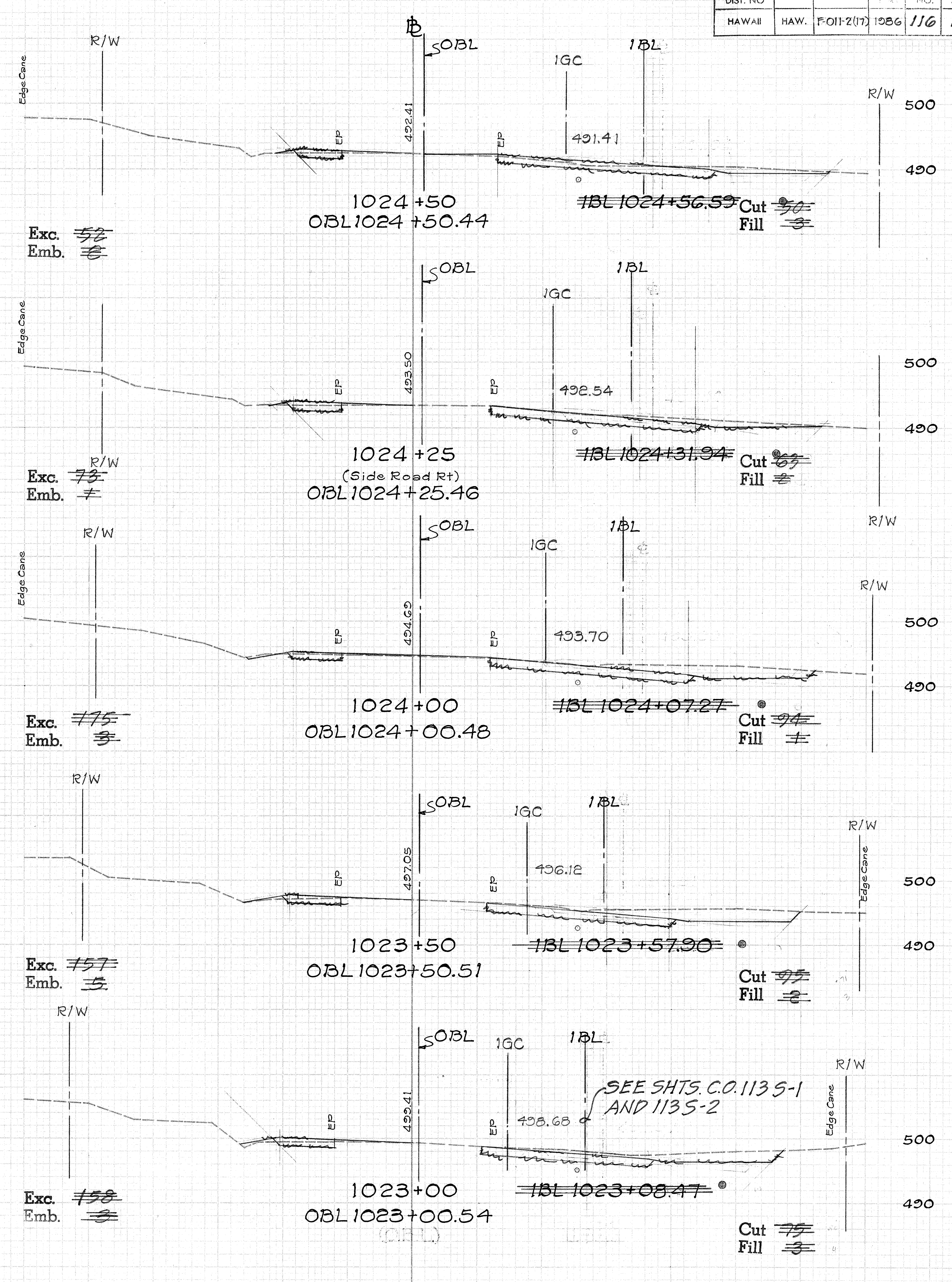
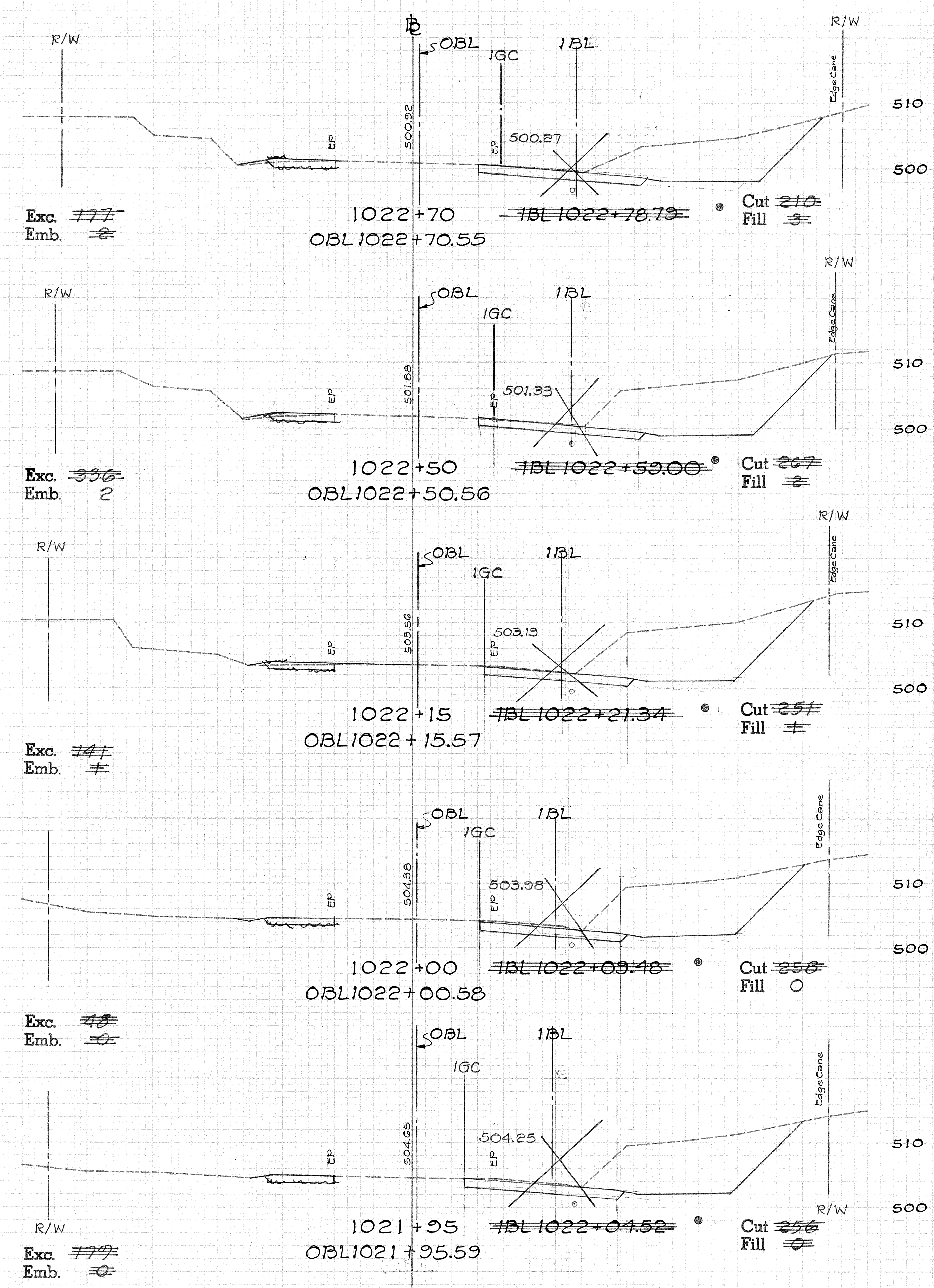
DATE	BY
ORIGINAL SURVEY	PLOTTED
NOTE BOOK	TEMP. PLATE
NO.	AREAS CHECKED



60 50 40 30 20 10 0 10 20 30 40 50 60 70

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FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-011-2(17)	1986	116	142



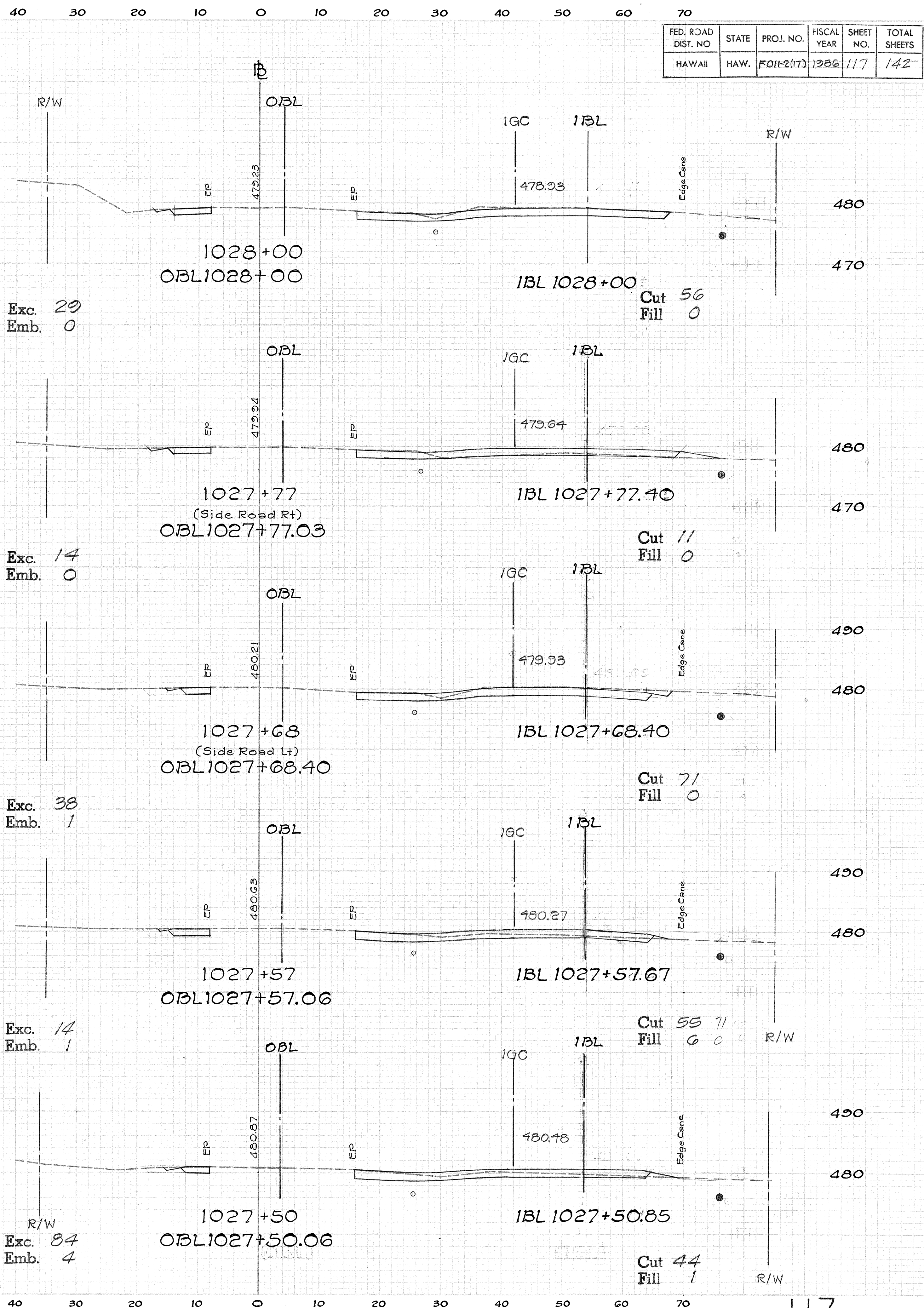
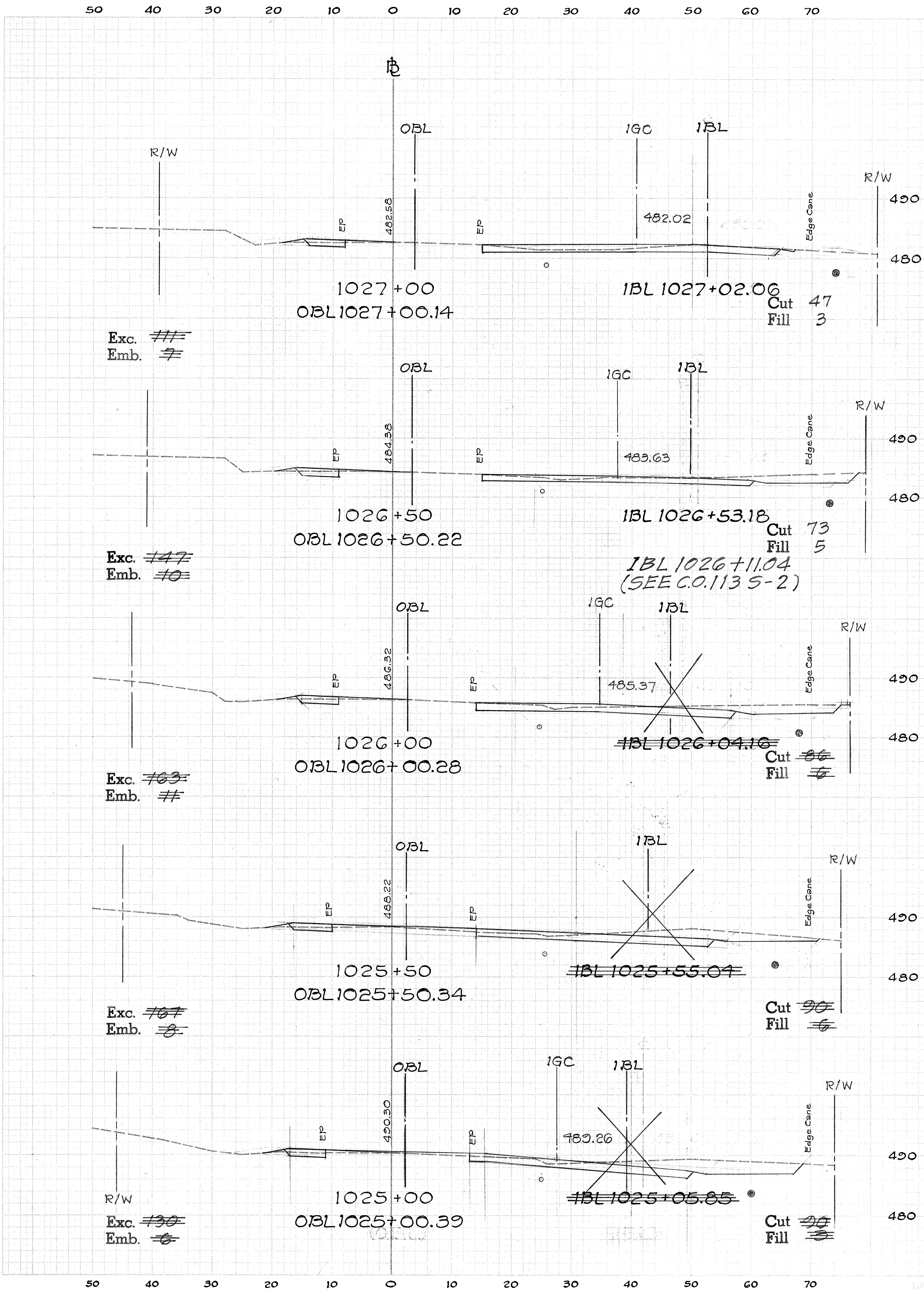
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60 50 40 30 20 10 0 10 20 30 40 50 60 70

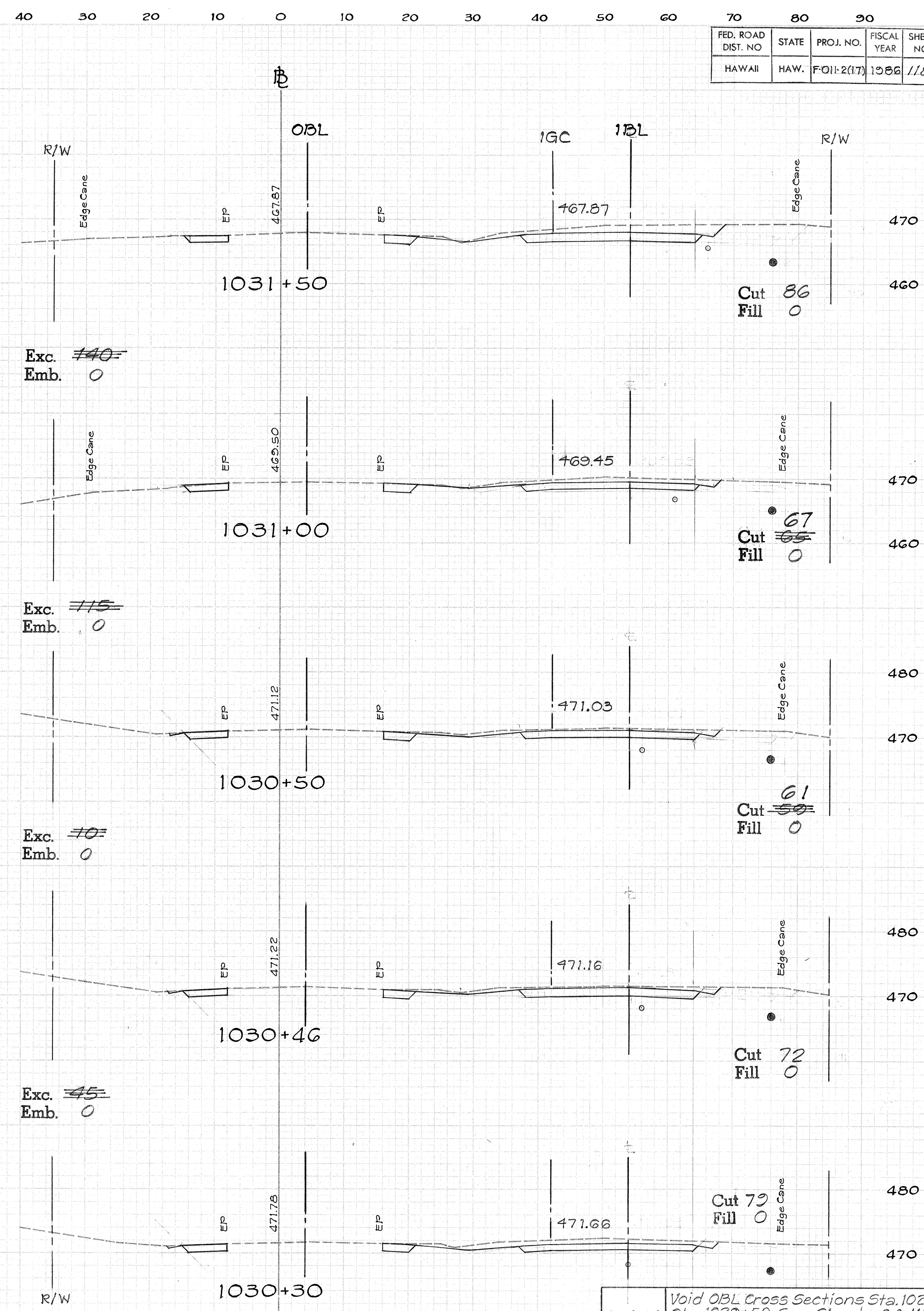
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	FOH-2(17)	1986	117	142

DATE	BY
11/15/80	JLS
ORIGINAL SURVEY	DATE
NOTE BOOK	DATE
AREAS	DATE
CHECKED	DATE

DATE	BY
11/15/80	JLS
ORIGINAL SURVEY	DATE
NOTE BOOK	DATE
AREAS	DATE
CHECKED	DATE



ORIGINAL SURVEY	BY	DATE
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AREAS.		
AREAS GRDED.		



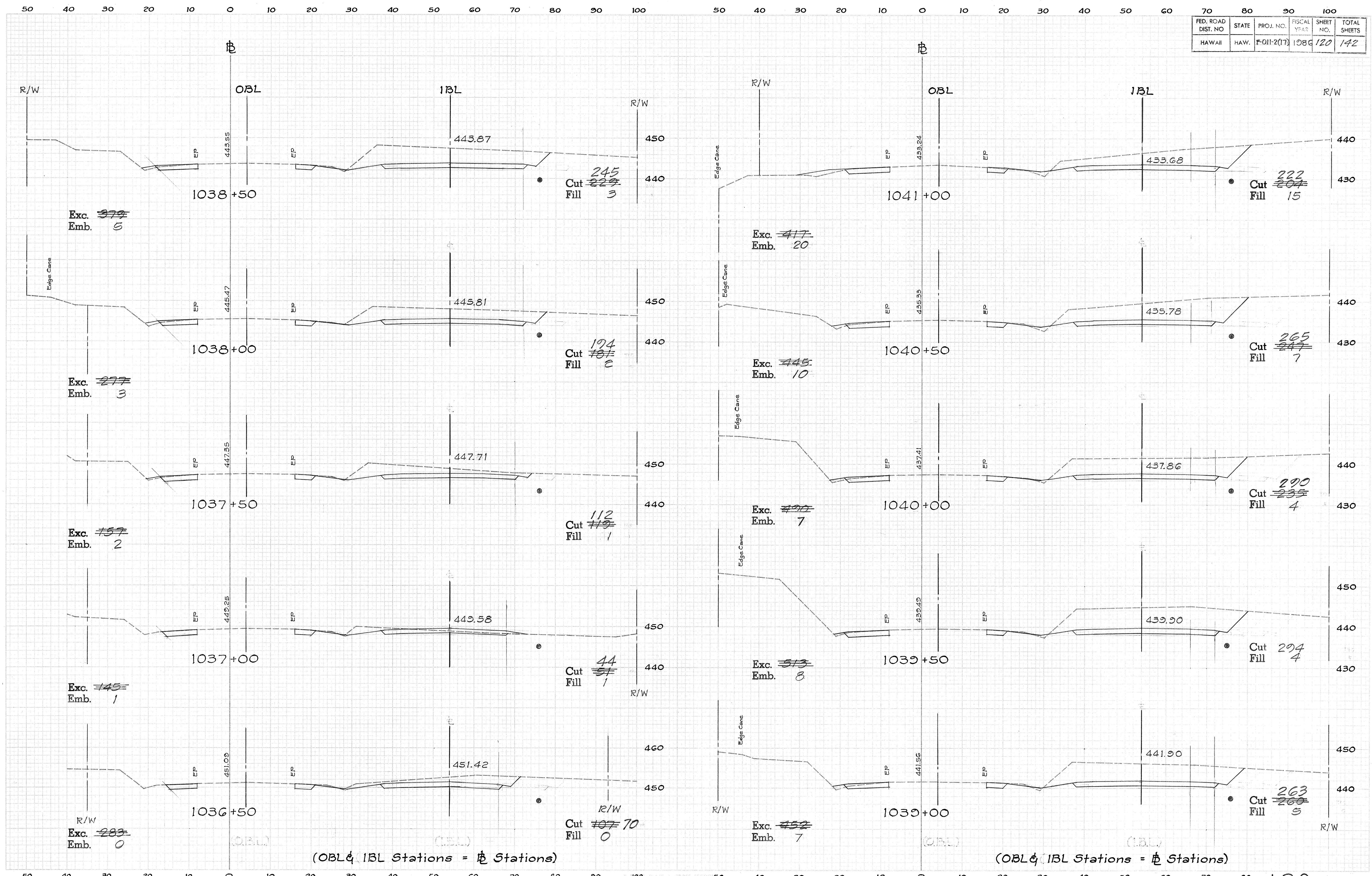
(OBL & IBL Stations = 12 Stations)

6-30-86	Void OBL Cross Sections Sta. 1028+50 to Sta. 1029+50. See Sheets C.O. 113 S-1 thru S-4 for revised data.
DATE	REVISIONS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-011-2(17)	1986	120	142

DATE	BY	FINAL SURVEY	NOTE BOOK	TEMPLATE	AREAS CHECKED

DATE	BY	ORIGINAL SURVEY	NOTE BOOK	TEMPLATE	AREAS CHECKED



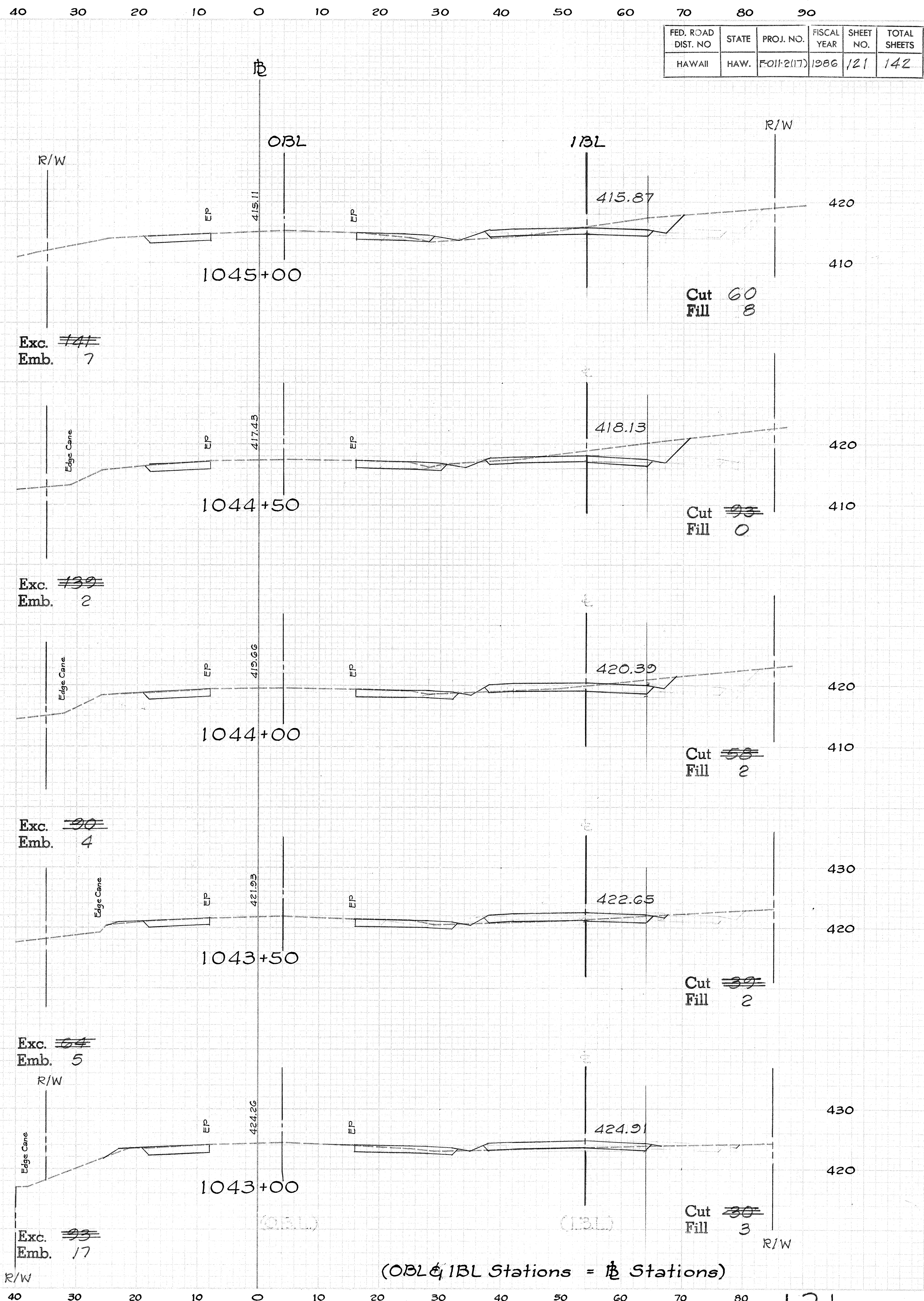
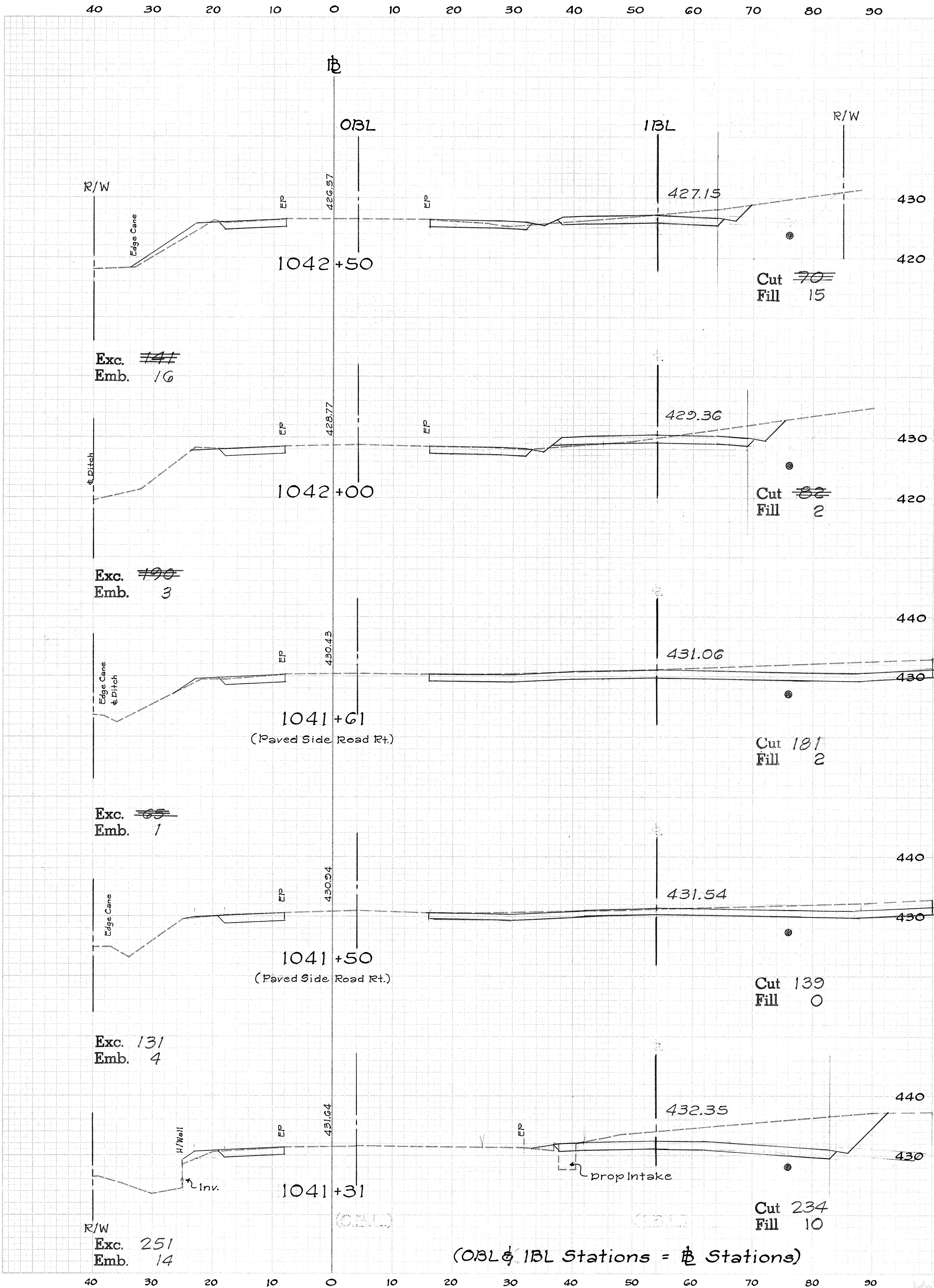
(OBL & IBL Stations = Station)

(OBL & IBL Stations = Station)

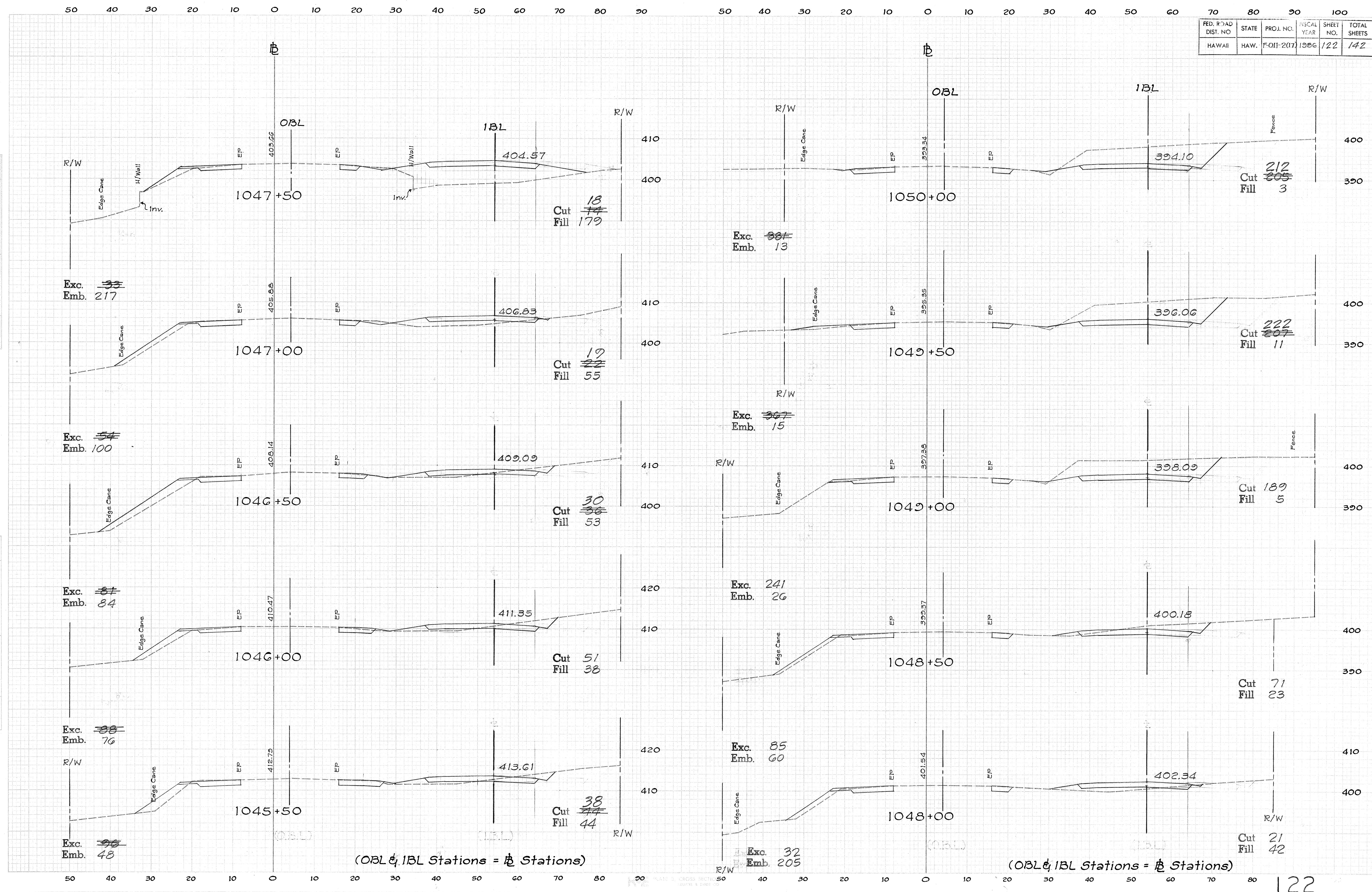
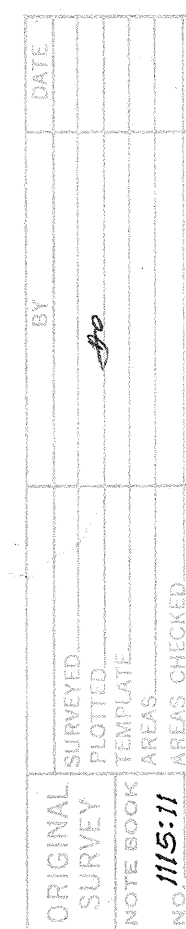
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	FOI-2(17)	1986	121	142

FINAL SURVEY	DATE
NO. 1	
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ORIGINAL SURVEY	DATE
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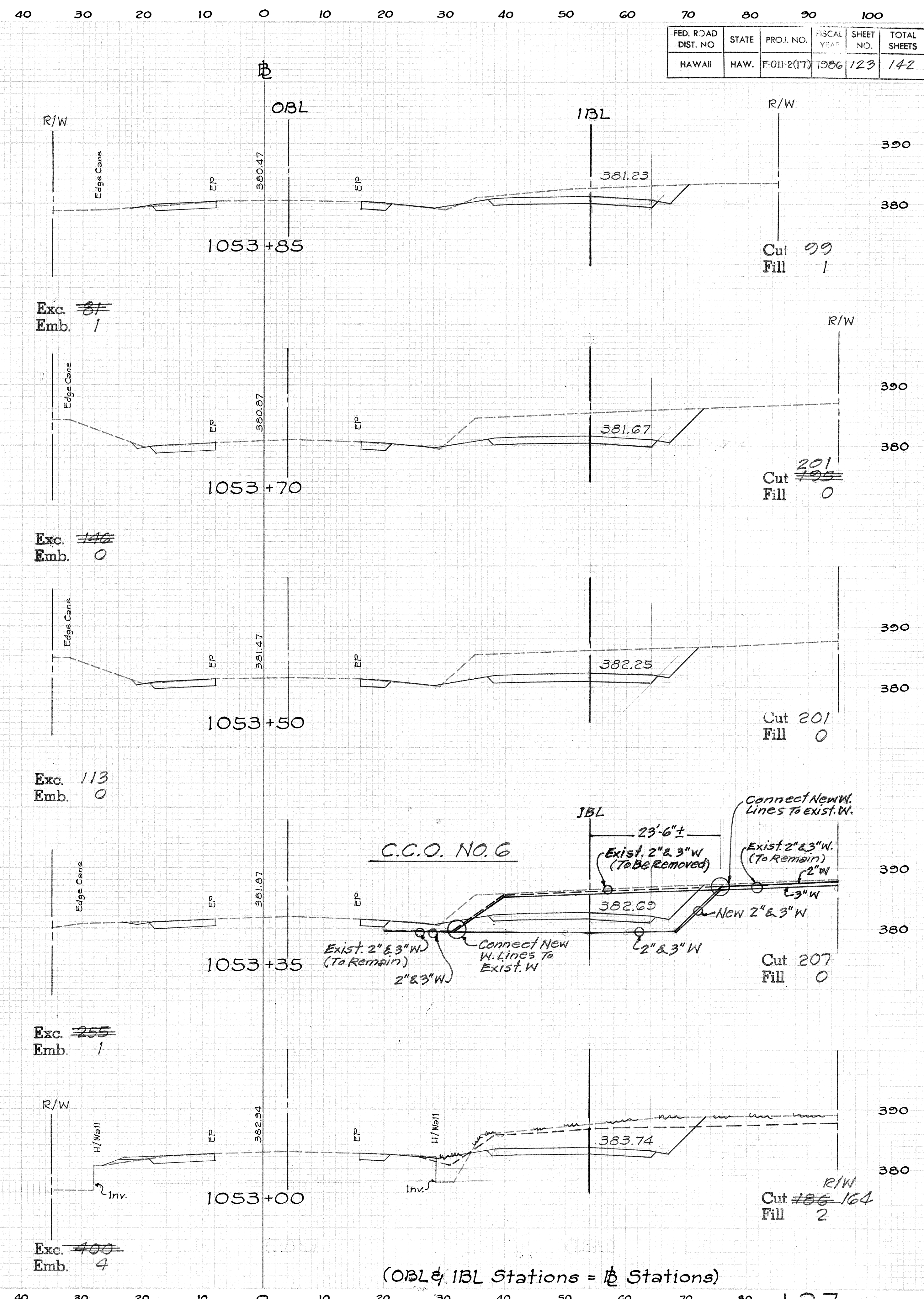
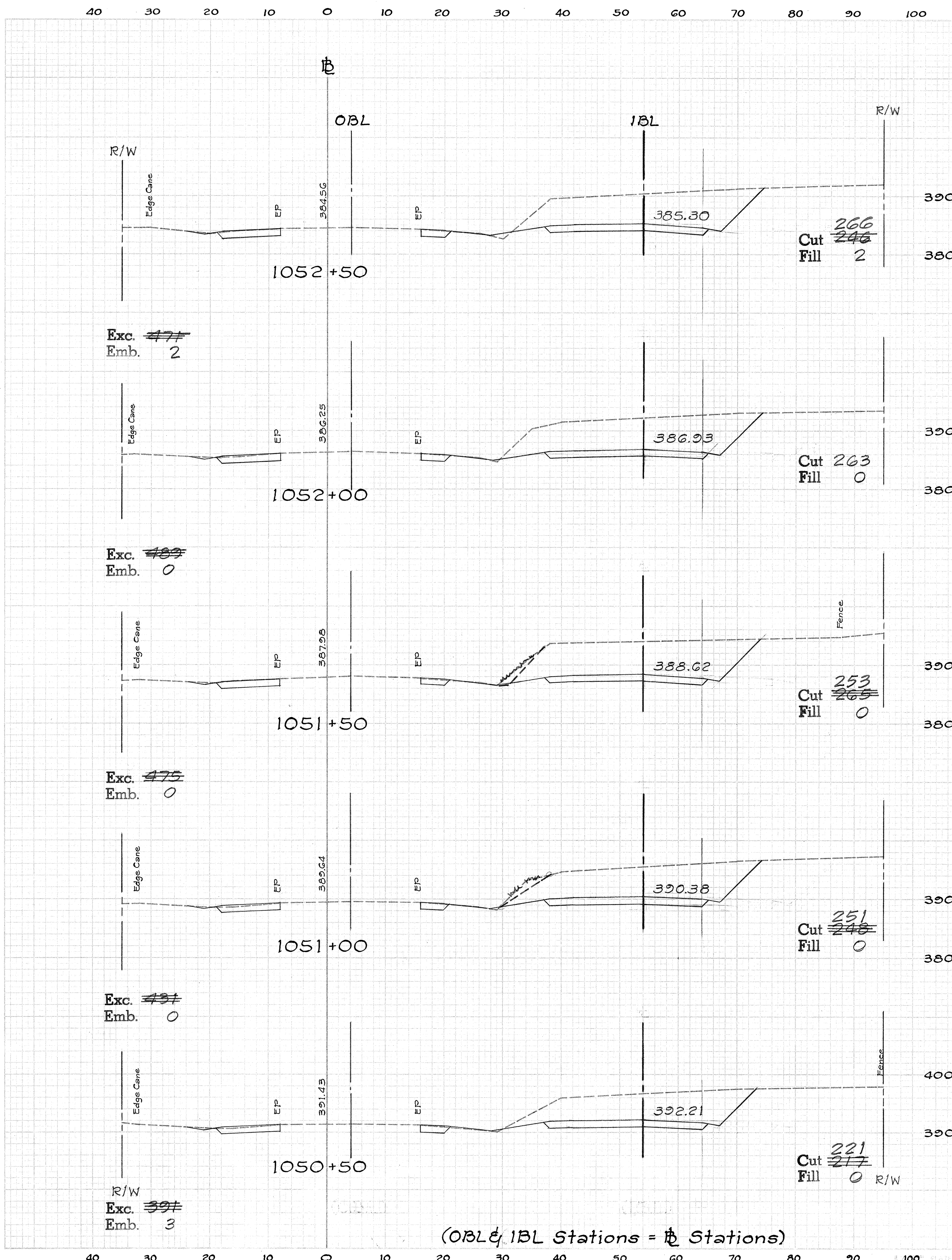
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-011-2(17)	1986	122	142



FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-011-2(17)	1986	123	142

FINAL SURVEY	DATE	BY
REVISIONS		
NOTES		
NO.		

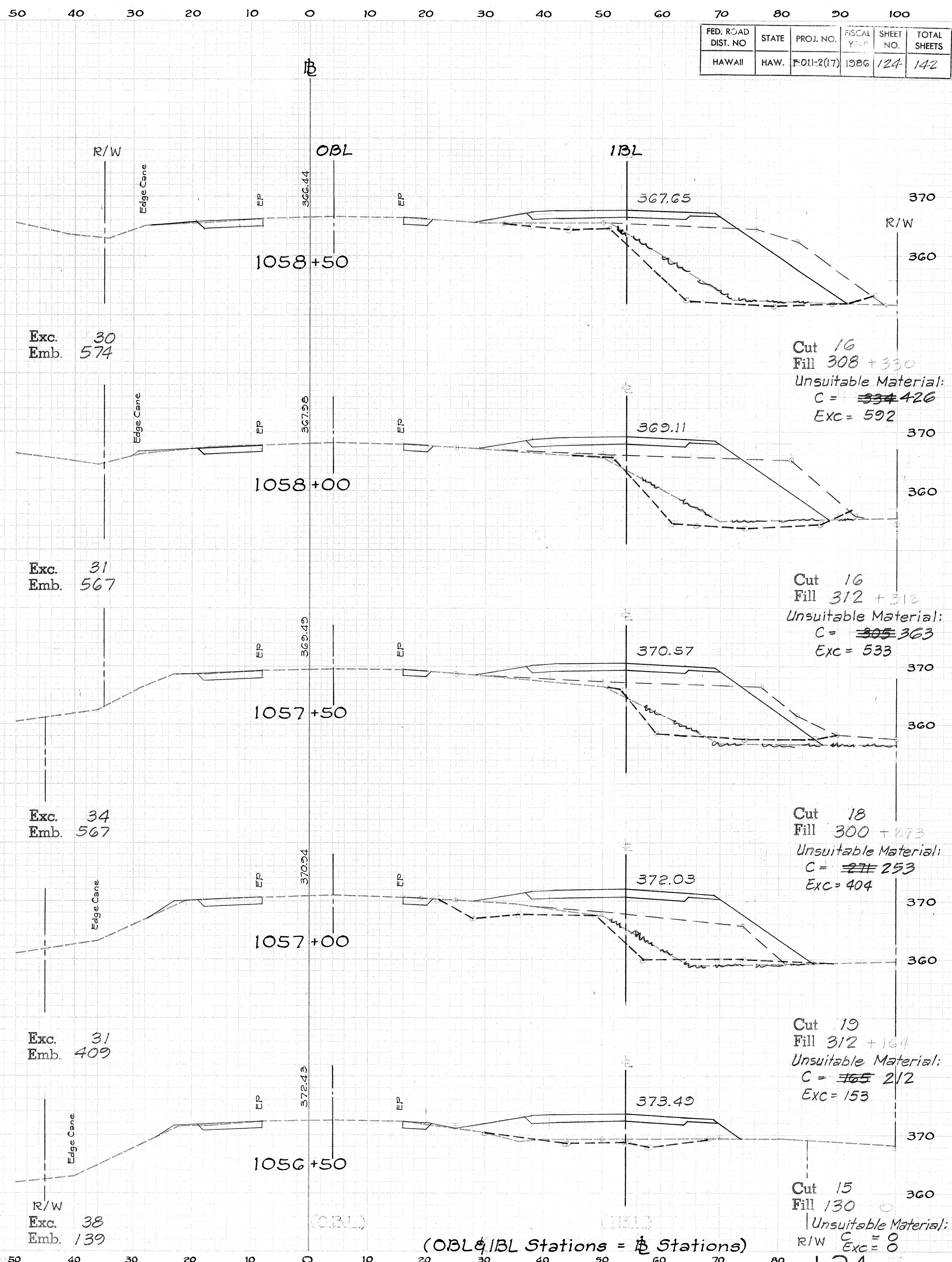
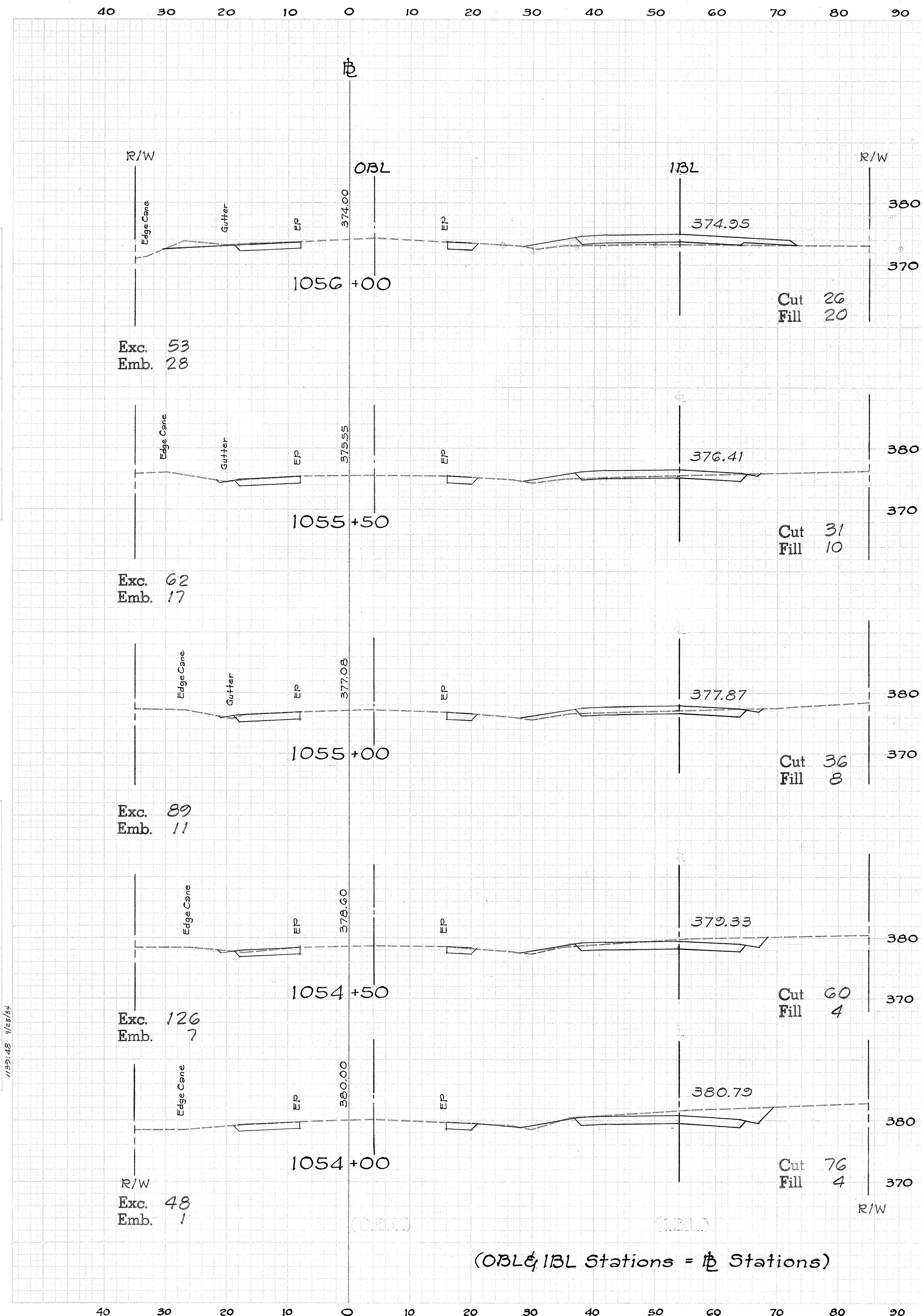
ORIGINAL SURVEY	DATE	BY
REVISIONS		
NOTES		
NO.		



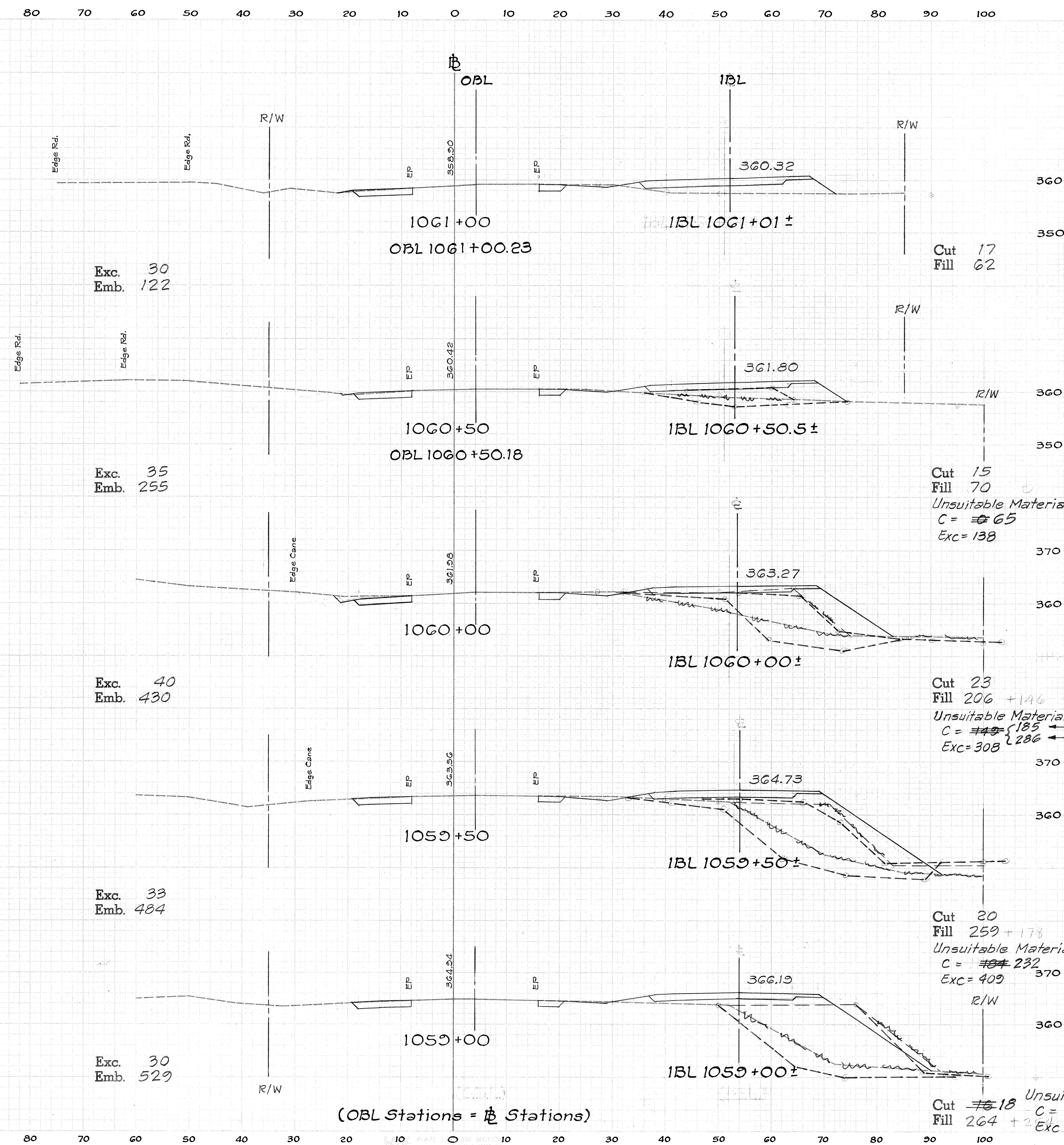
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	FD11-2(17)	1986	124	142

DATE	BY	FINAL SURVEY PLOTTED	NOTE BOOK	AREAS CHECKED

DATE	BY	ORIGINAL SURVEY PLOTTED	NOTE BOOK	AREAS CHECKED



FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	FOH-2(17)	1986	125	142



(OBL Stations = $\frac{1}{2}$ Stations)

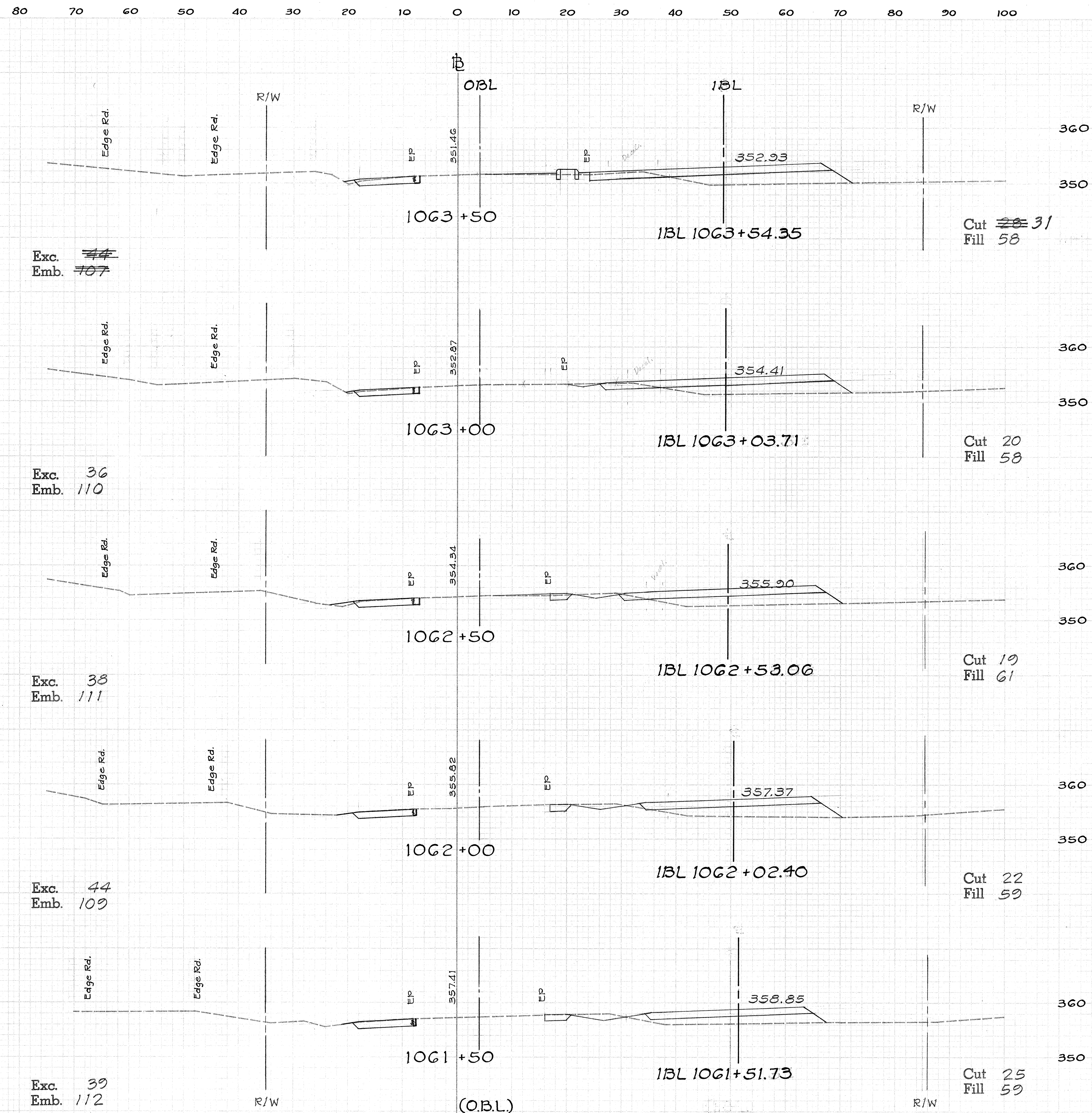
FINAL SURVEY	BY	DATE
SURVEYED		
NOTE BOOK		
TEMPLATE		
AREAS		
CHECKED		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
NOTE BOOK		
TEMPLATE		
AREAS		
CHECKED		

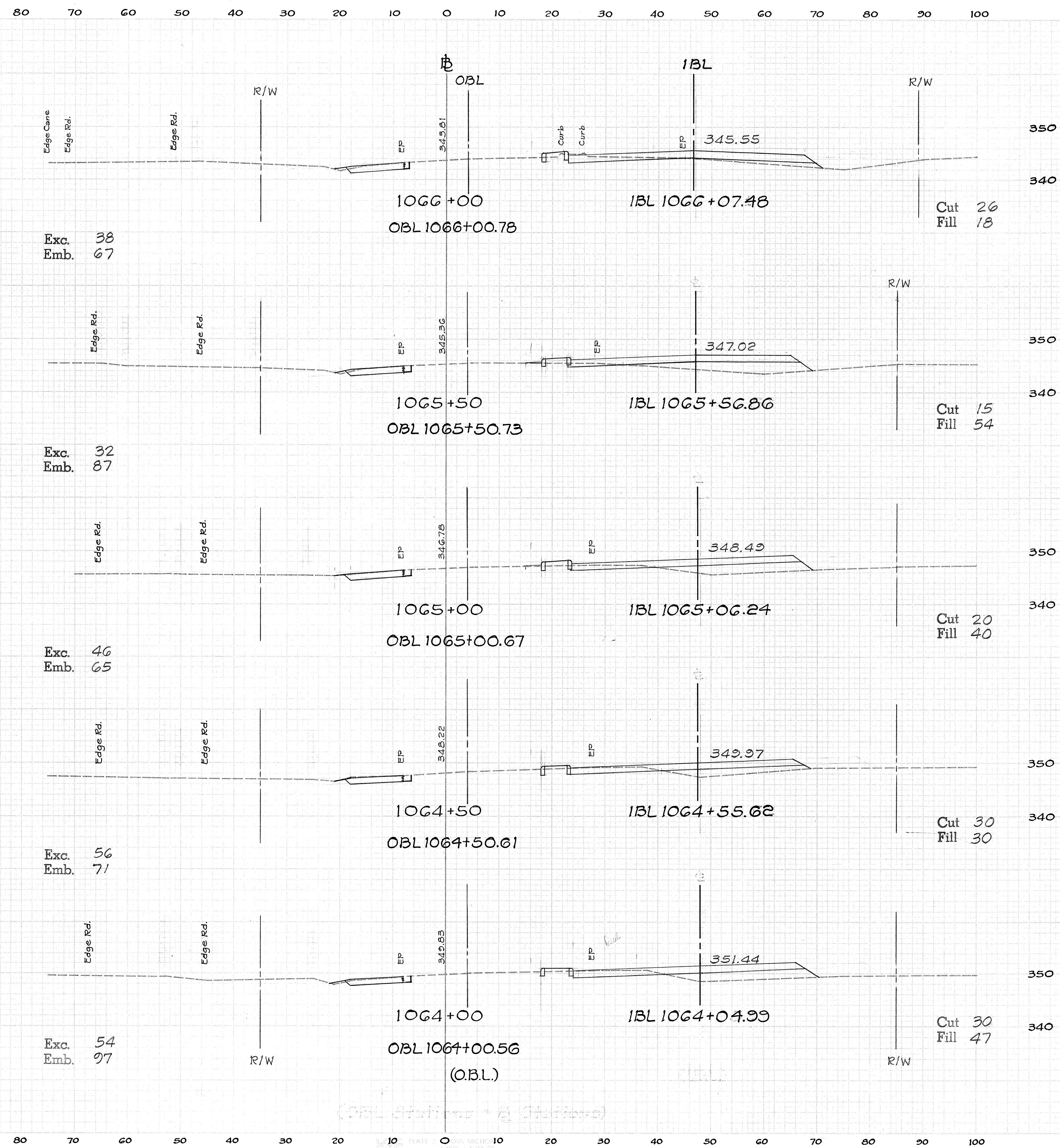
FINAL	SURVEY	DATE
SURVEY	PLOTTED	BY
NOTE BOOK	TEMPERATURE	
NO.	AREAS	
	CHANGED	

ORIGINAL	SURVEY	DATE
SURVEY	PLOTTED	BY
NOTE BOOK	TEMPERATURE	
NO.	AREAS	
	CHANGED	

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-011-2(17)	1986	126	142



ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED	J. D.	
	TEMPLATE		
	AREAS		
	AREAS CHECKED		
	11/15/20		



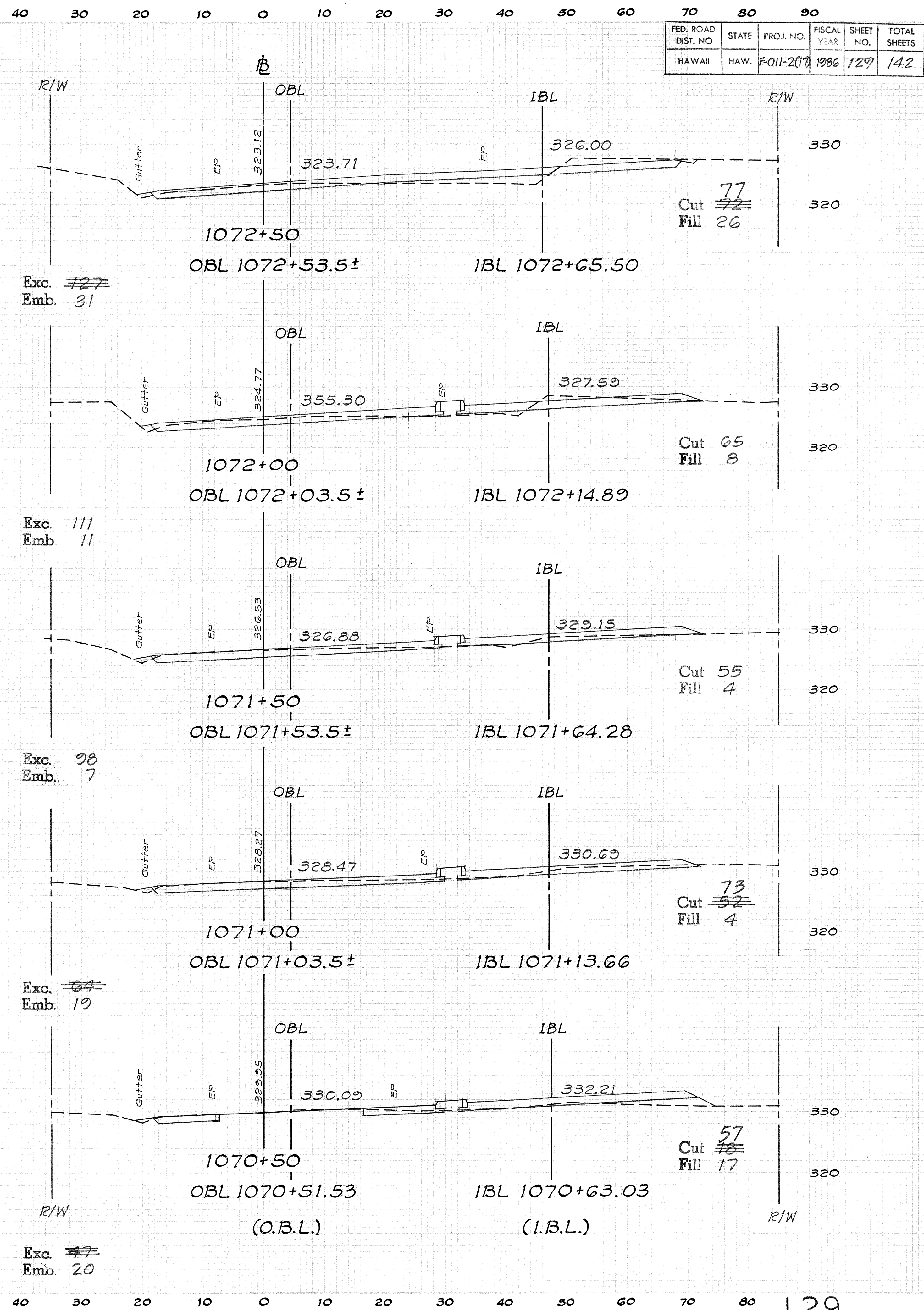
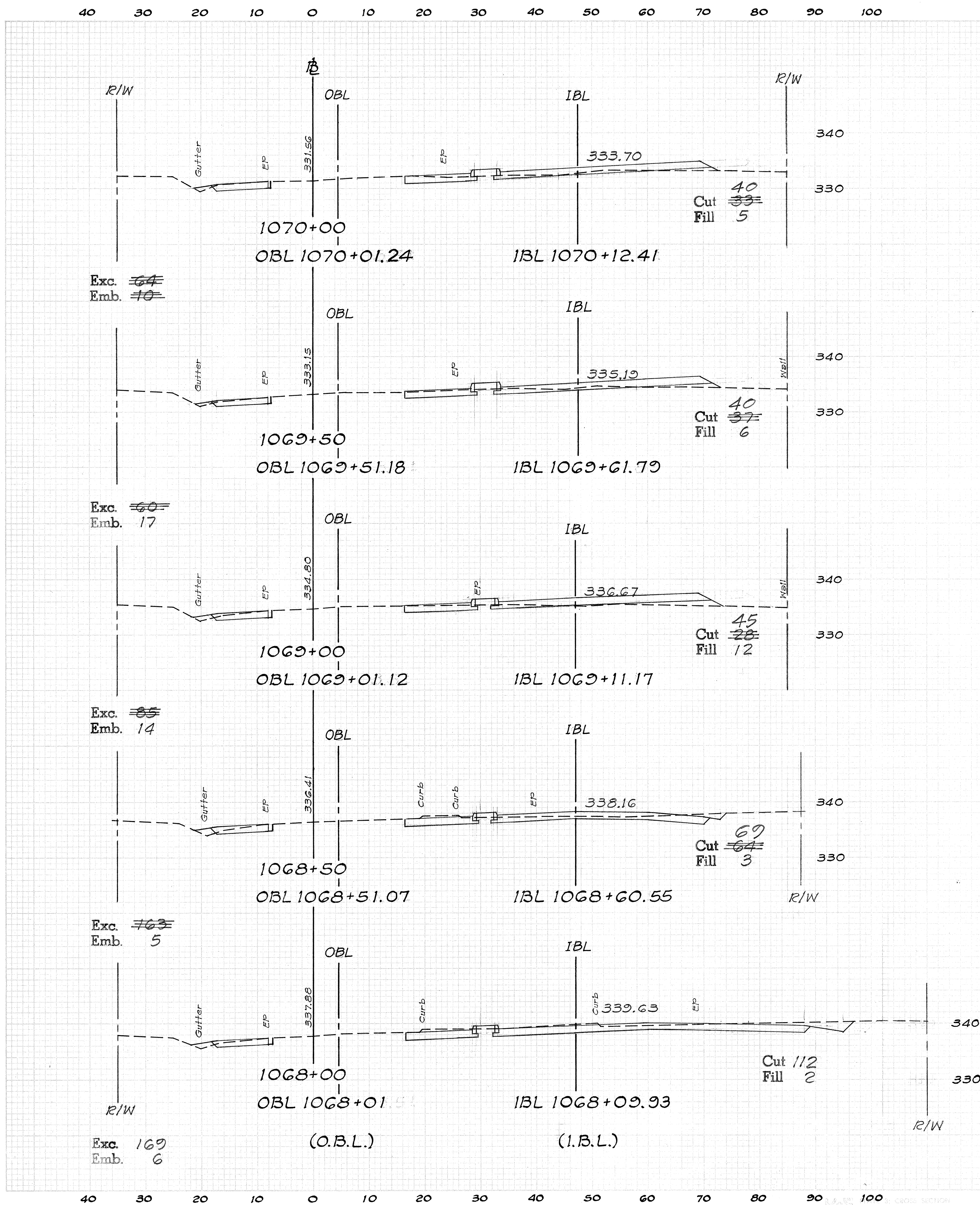
ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED	<i>JS</i>	
	TEMPLATE		
	AREAS		
	AREAS CREDIT		

11/5/21

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-011-2(17)	1986	129	142

DATE	BY	REVISION
		1. SURVEY
		2. PLOTTED
		3. CHECKED
		4. APPROVED

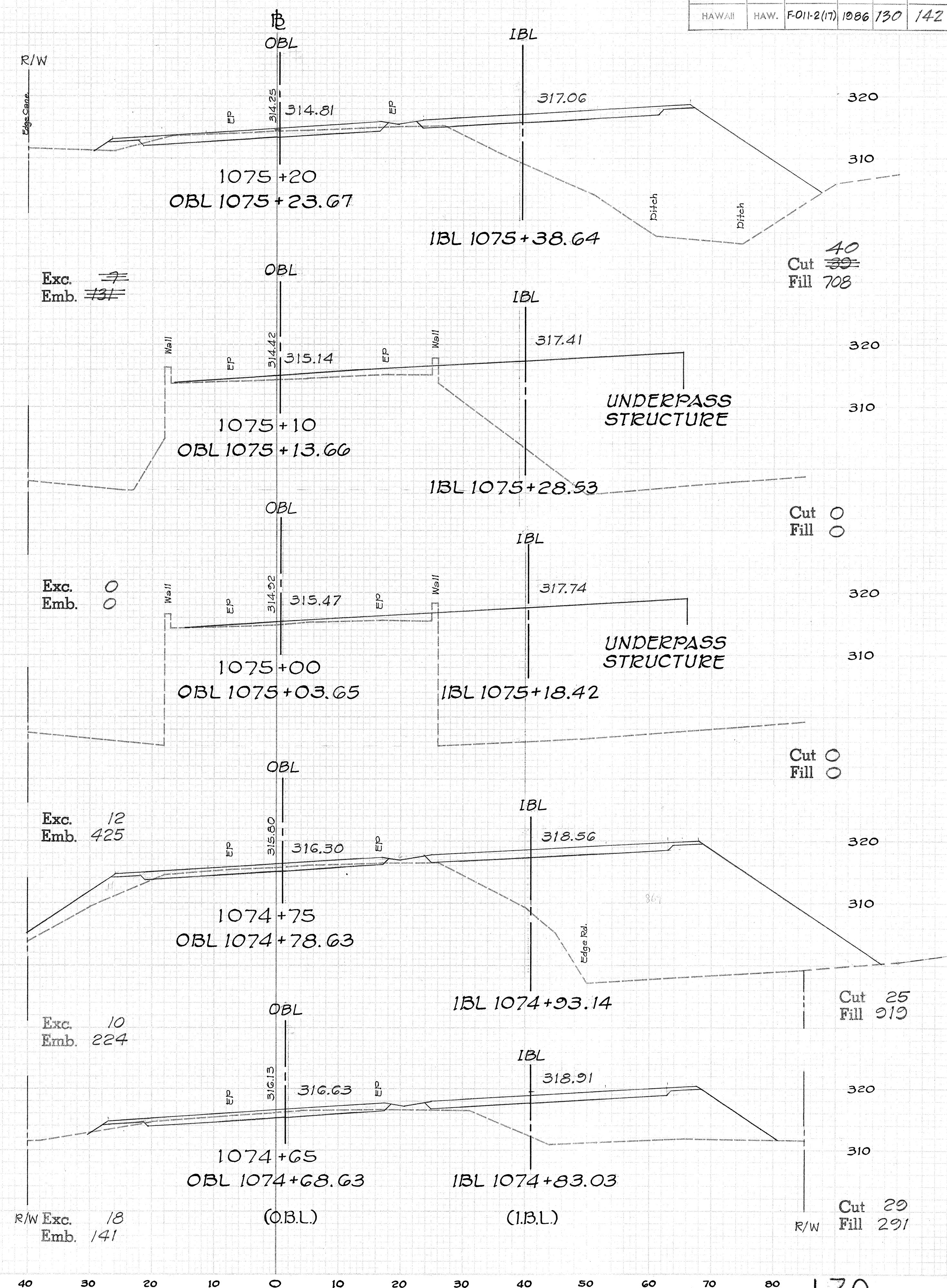
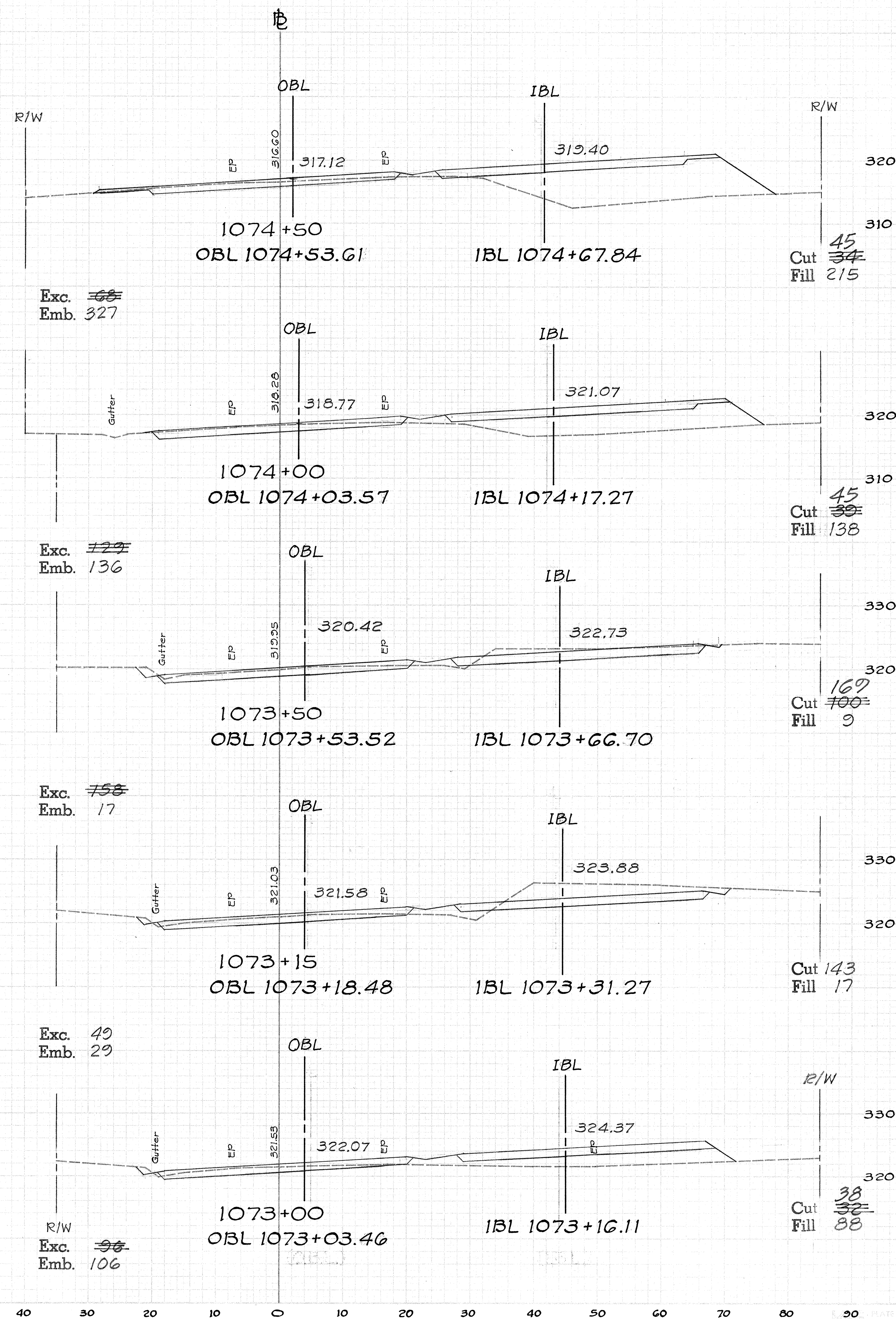
DATE	BY	REVISION
		1. SURVEY
		2. PLOTTED
		3. CHECKED
		4. APPROVED



40 30 20 10 0 10 20 30 40 50 60 70 80 90

40 30 20 10 0 10 20 30 40 50 60 70 80 90

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-011-2(17)	1986	130	142



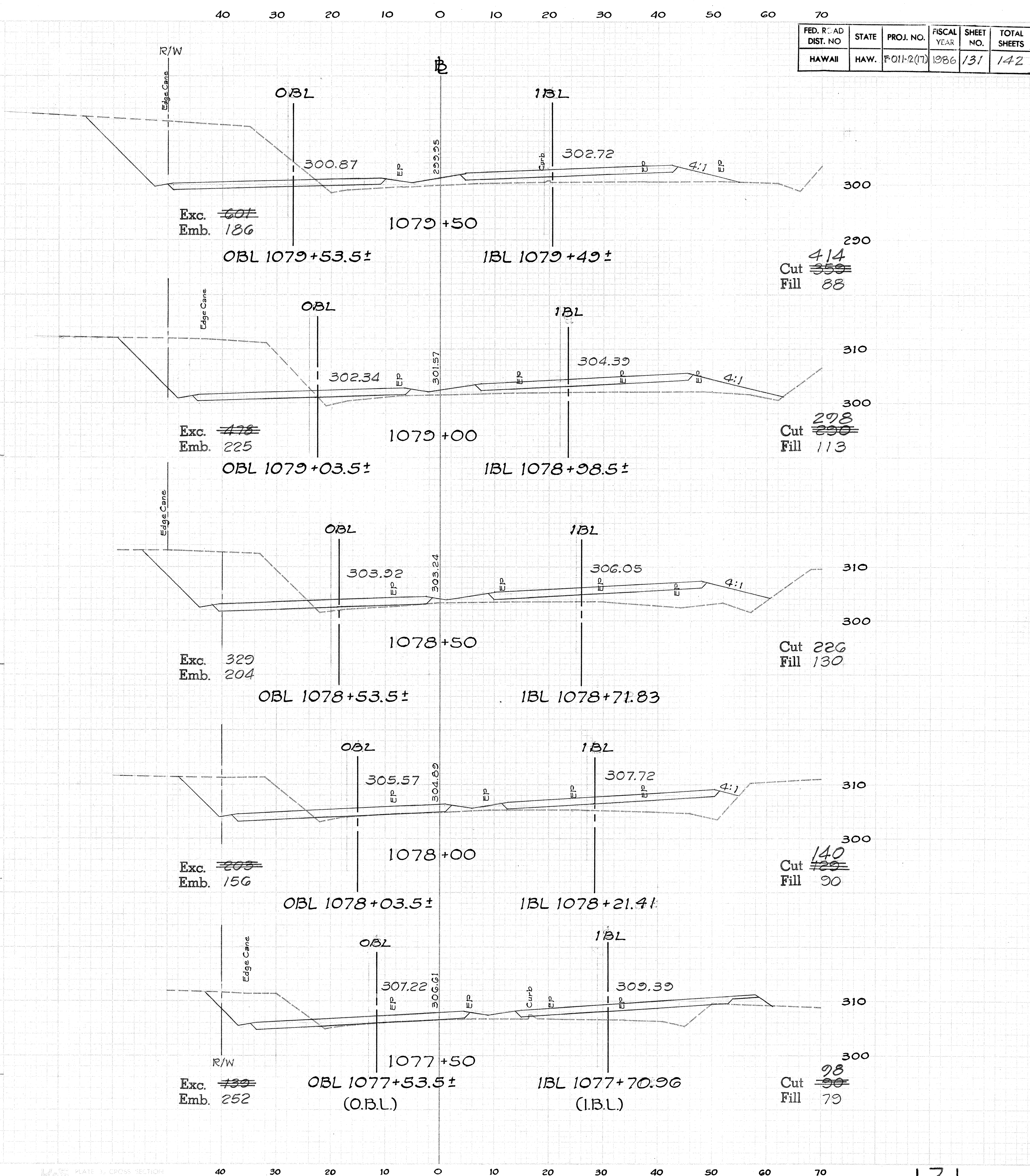
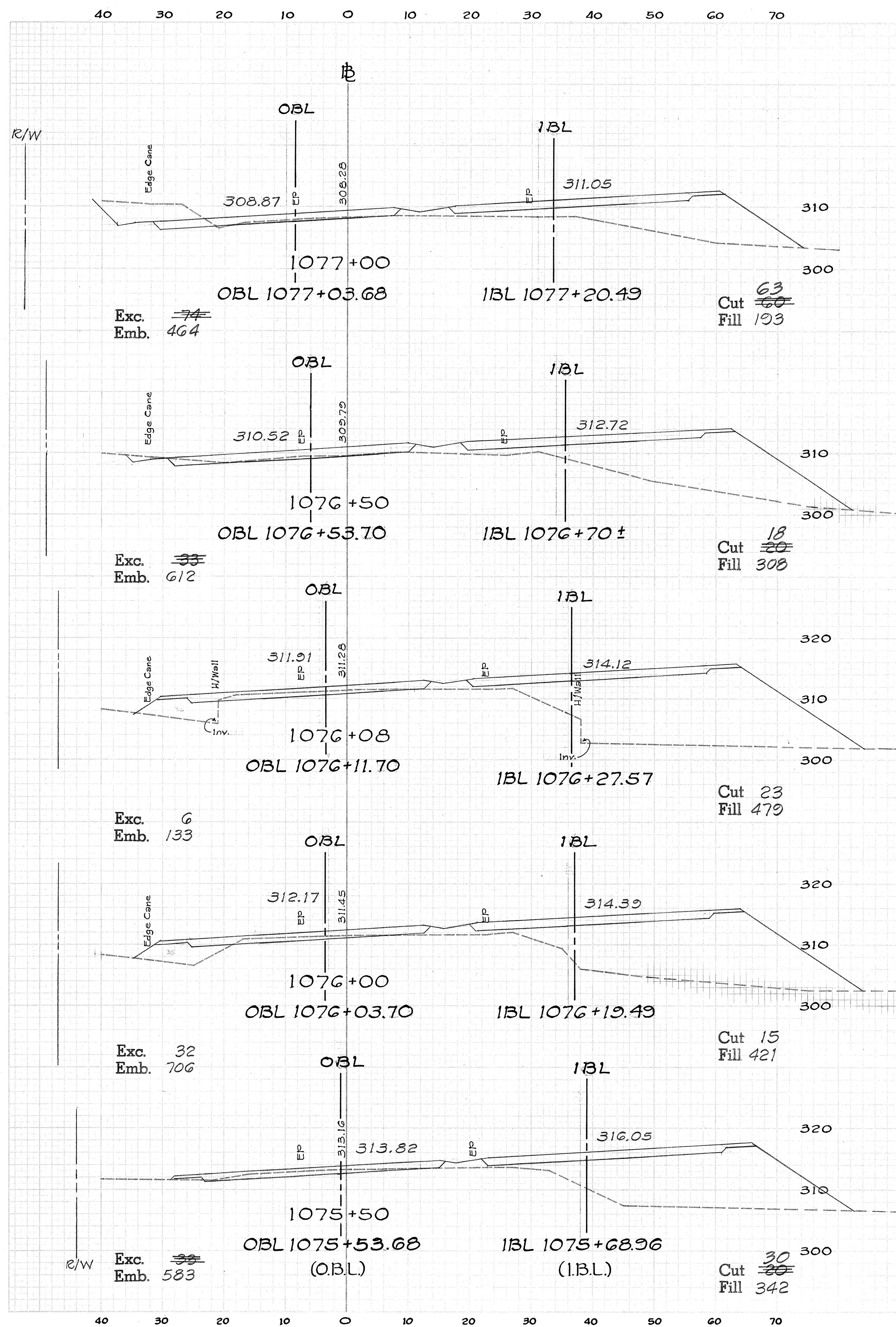
DATE	BY	NO.

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DATE	BY	FINAL SURVEY	PLOTTED	NOTE BOOK	ASKS	NO.	NO.

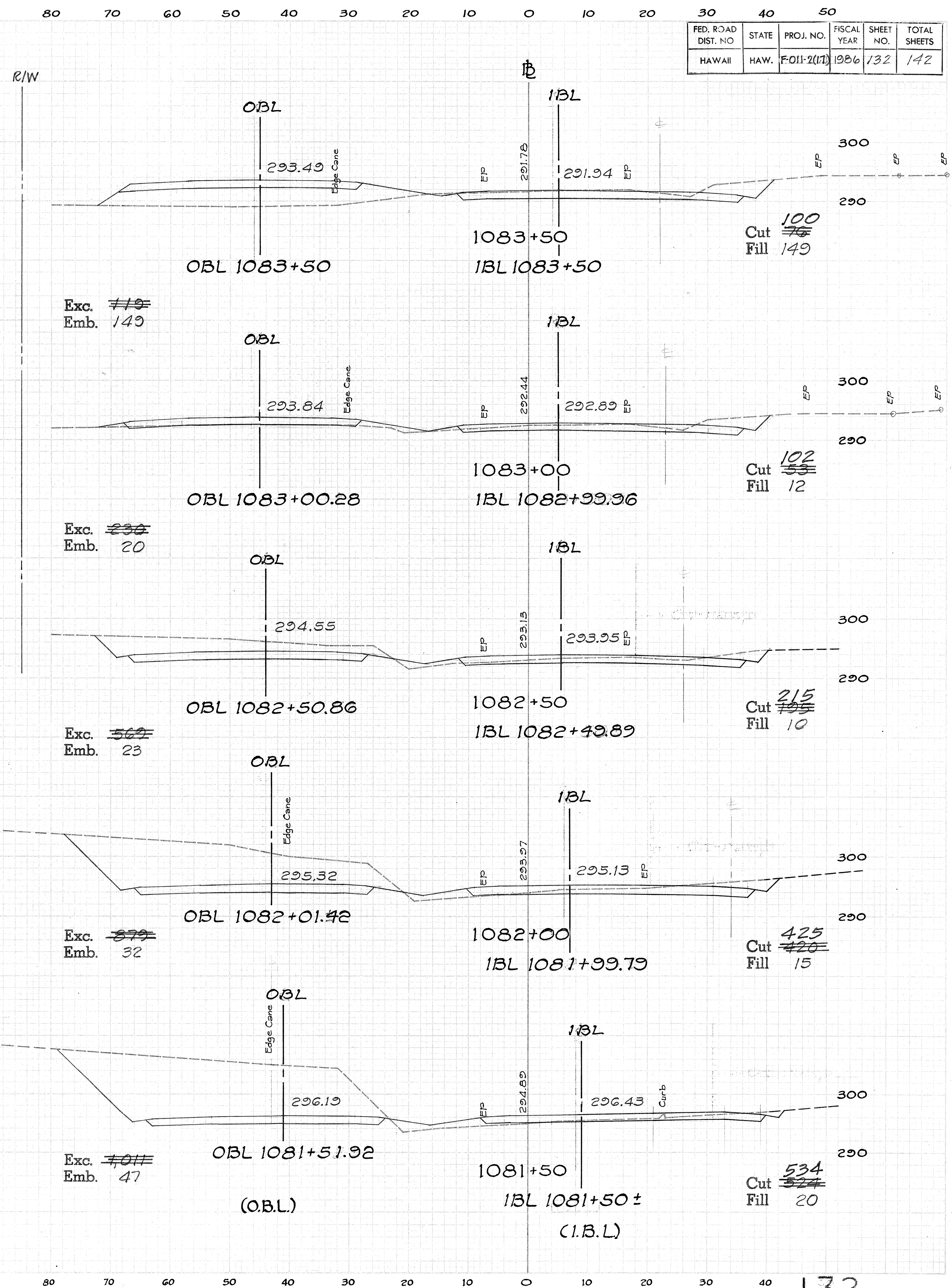
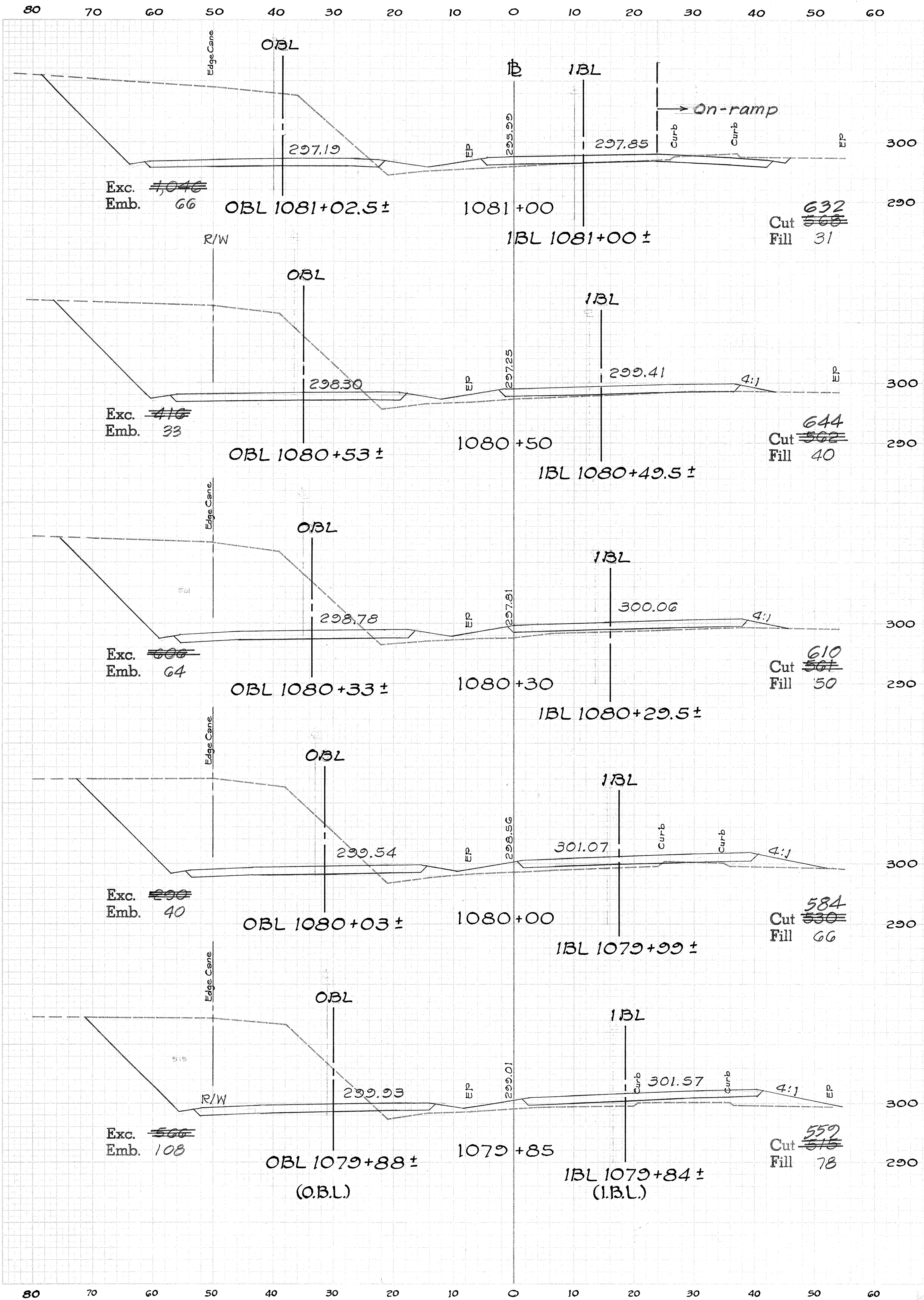
DATE	BY	ORIGINAL SURVEY	PLOTTED	NOTE BOOK	ASKS	NO.	NO.

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-011-2(17)	1986	131	142



DATE	BY	FINAL SURVEY	PLOTTED	NOTE BOOK	TEMPLATE	AREAS CHECKED

DATE	BY	ORIGINAL SURVEY	PLOTTED	NOTE BOOK	TEMPLATE	AREAS CHECKED

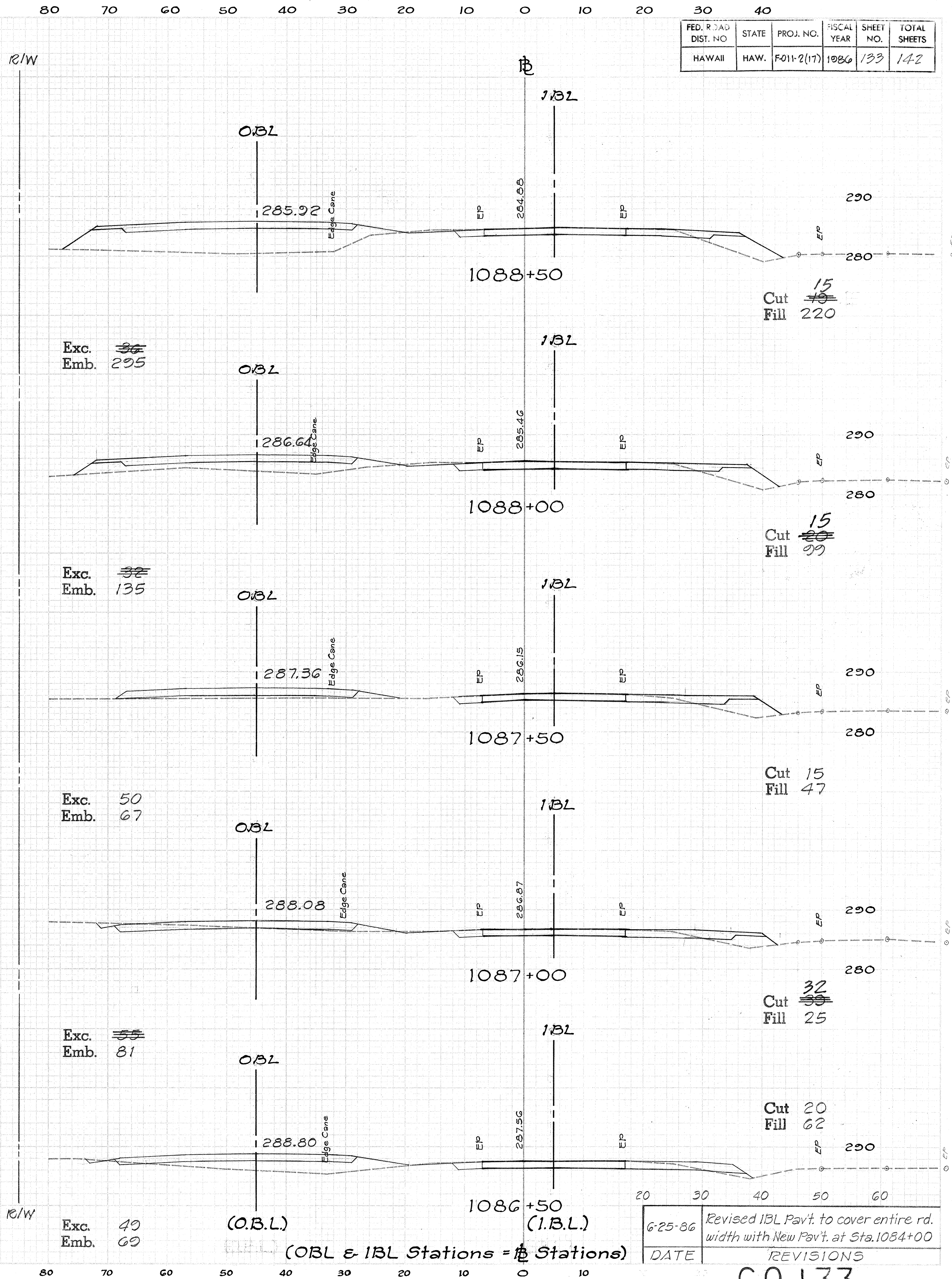
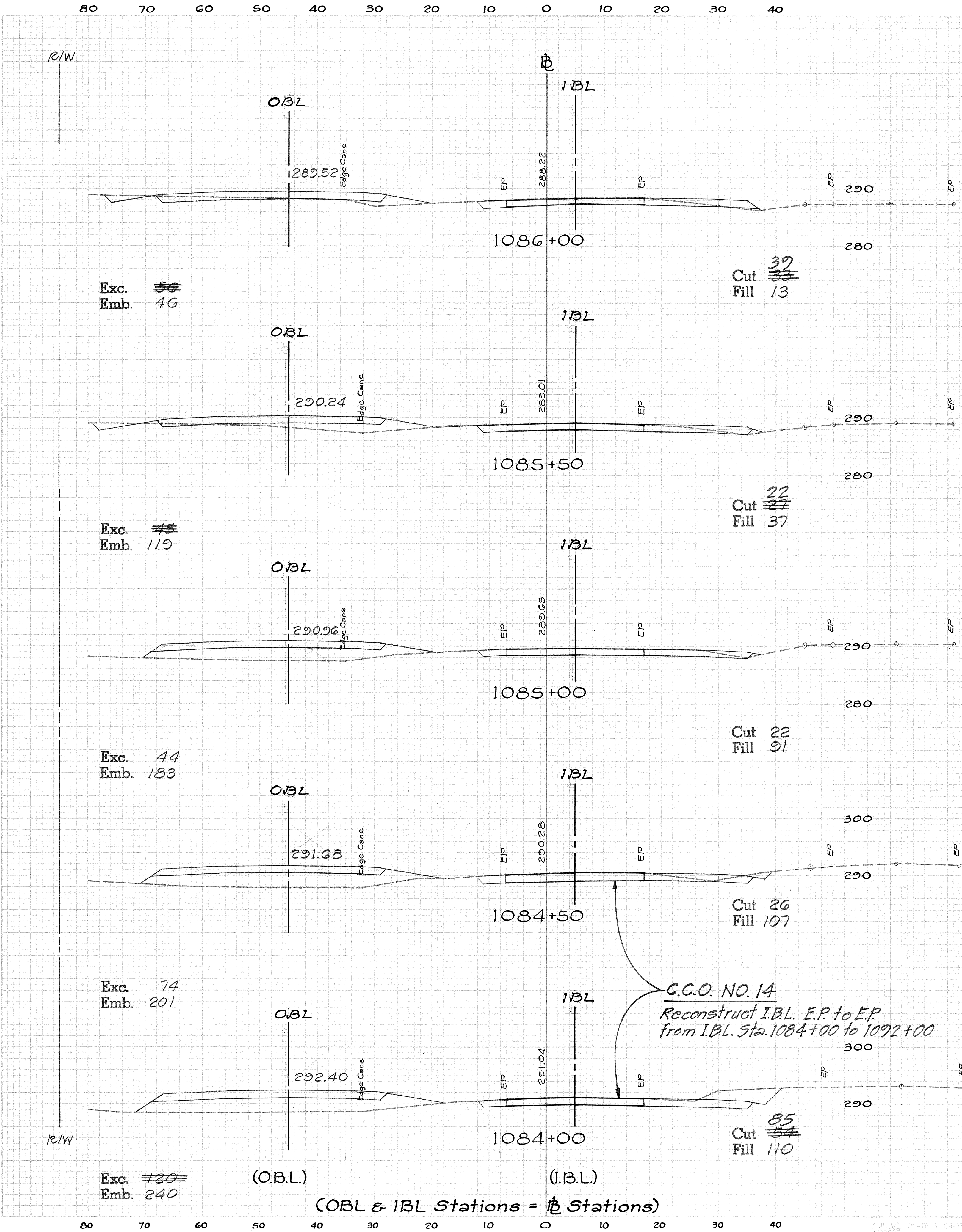


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	FOH-2(17)	1986	132	142

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F011-2(17)	1986	133	142

FINAL SURVEY PLOTTED	DATE
NOTE BOOK	BY
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ORIGINAL SURVEY PLOTTED	DATE
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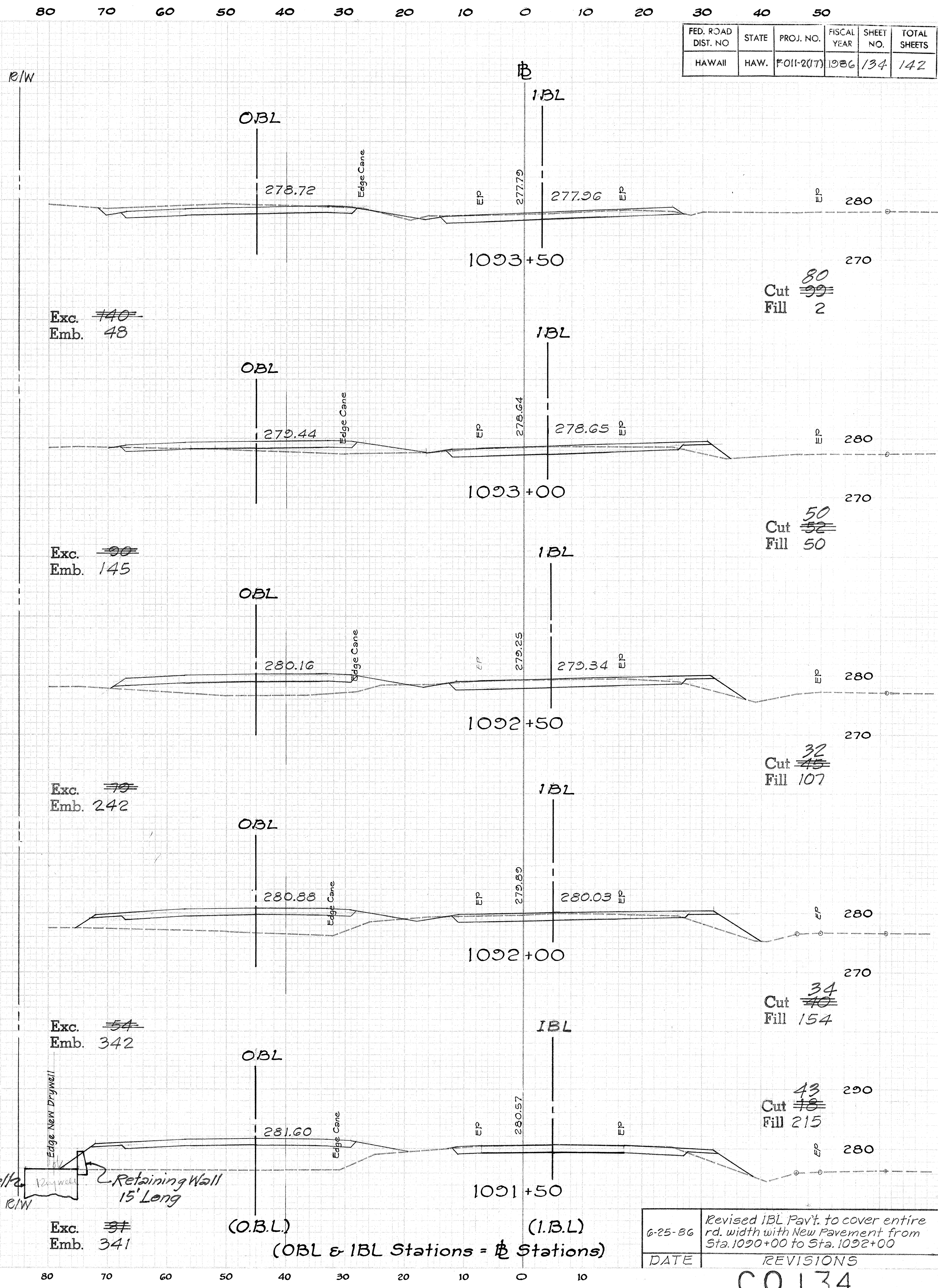
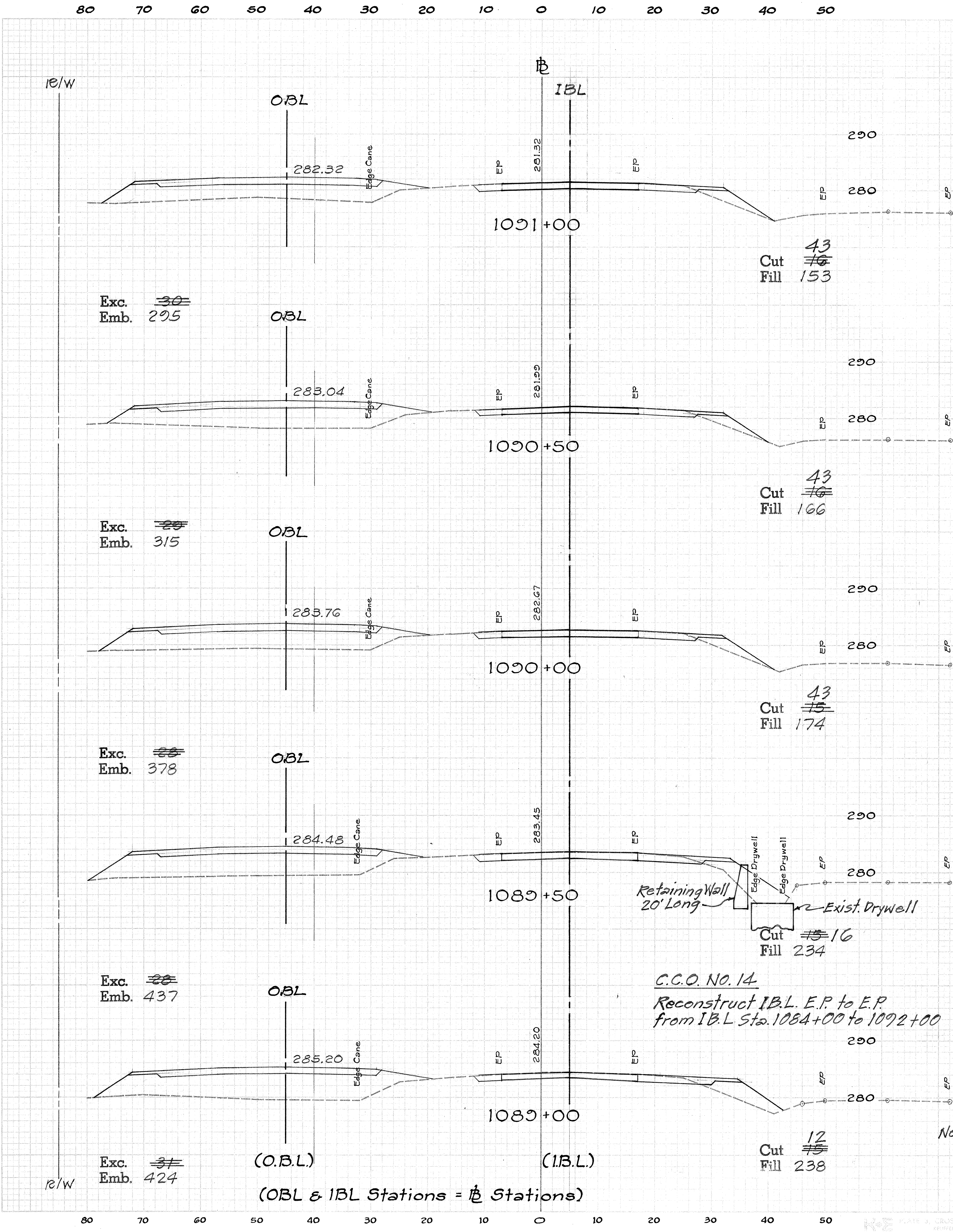
6-25-86	Revised I.B.L. Pav't. to cover entire rd. width with New Pav't. at Sta. 1084+00
DATE	REVISIONS

C0133

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	FOI-2(17)	1986	134	142

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK TEMPLATE		
NO. 11/15/84		
AREAS CHECKED		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK TEMPLATE		
NO. 11/15/84		
AREAS CHECKED		



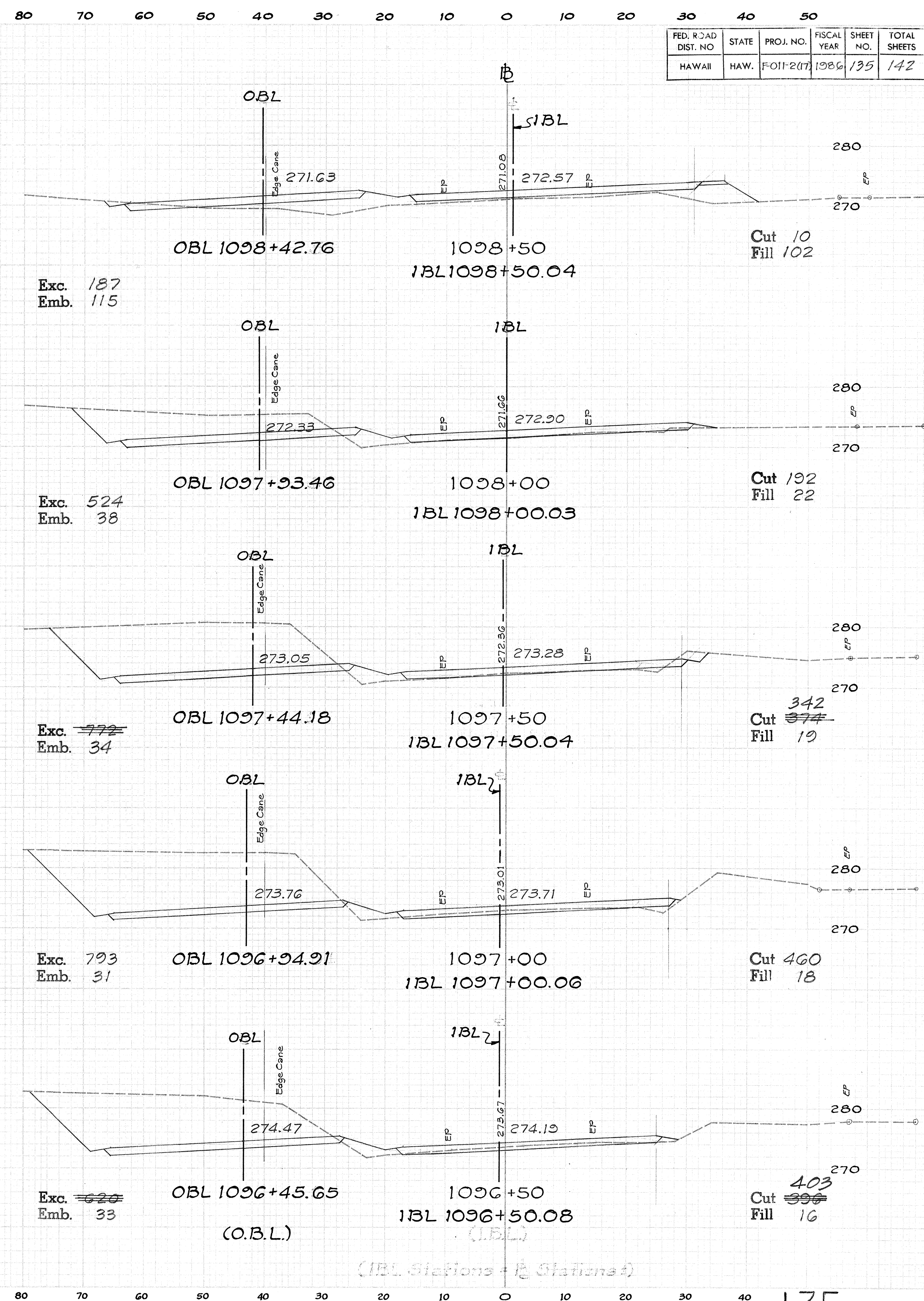
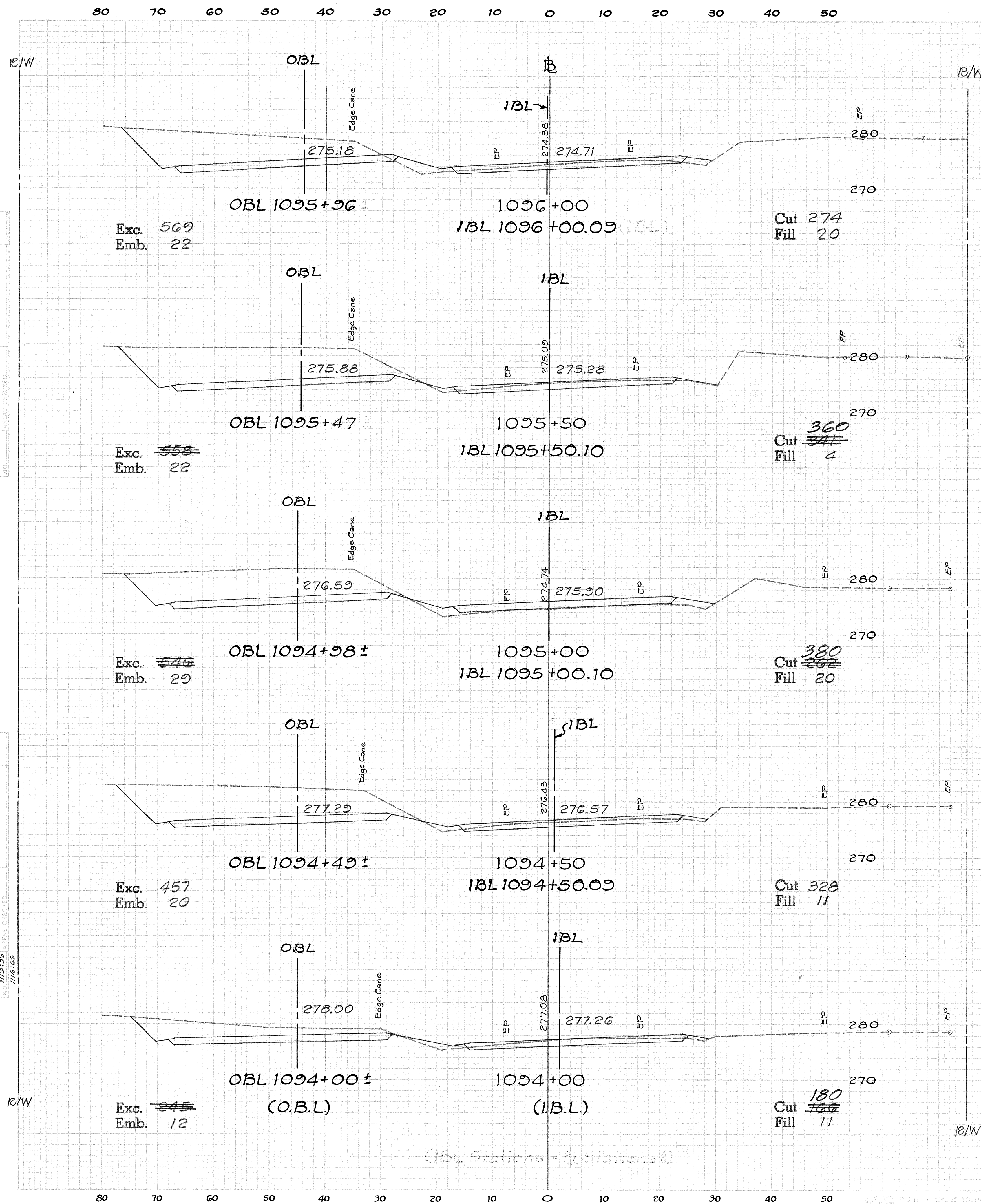
DATE	REVISIONS
6-25-86	Revised IBL Part. to cover entire rd. width with New Pavement from Sta. 1090+00 to Sta. 1092+00

C0134

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	FOH-2(17)	1986	135	142

DATE	BY
FINAL SURVEY	NOTED
NOTE BOOK	TEMPERATURE
NO.	AREAS CHECKED

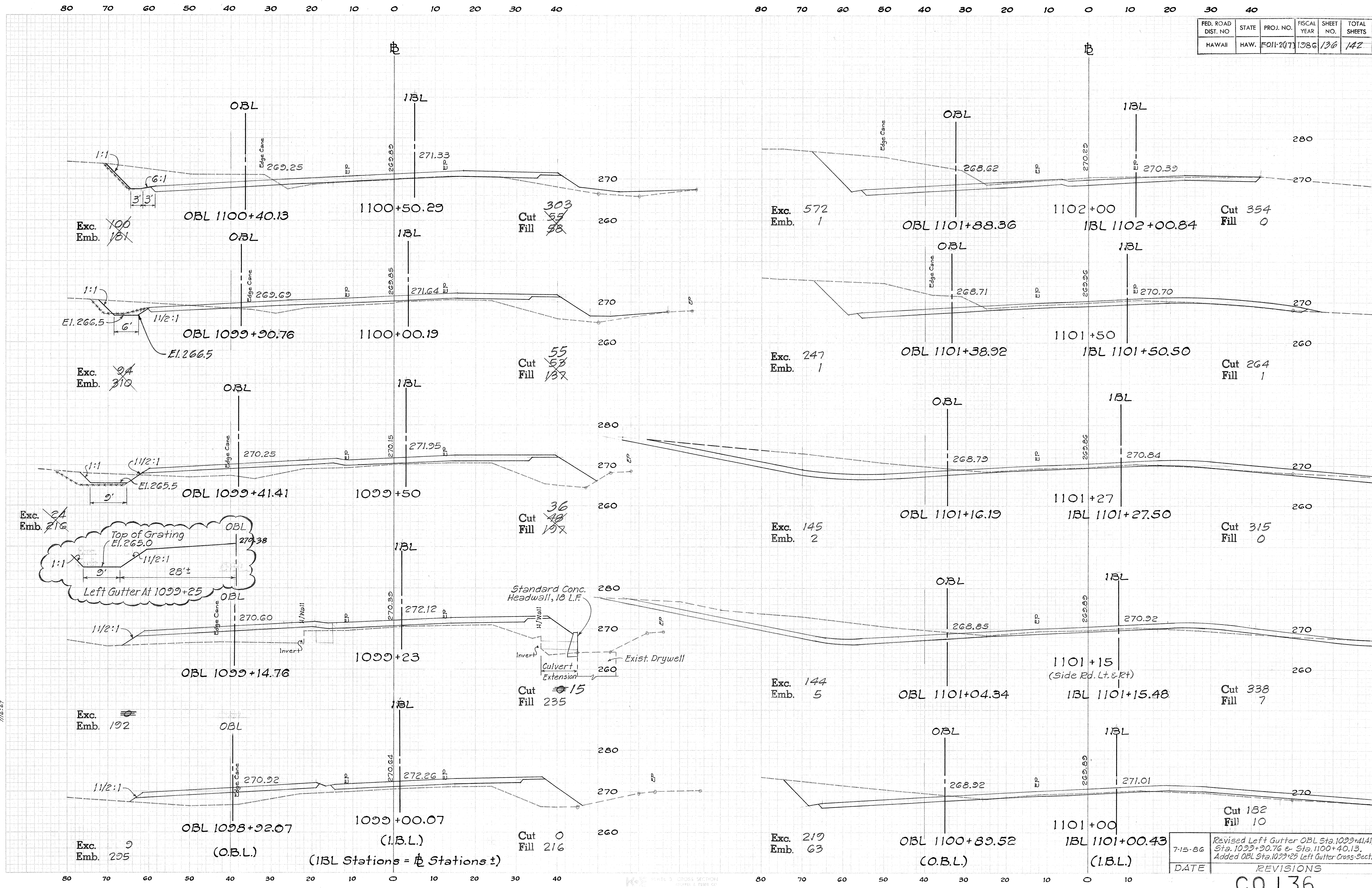
DATE	BY
ORIGINAL SURVEY	NOTED
NOTE BOOK	TEMPERATURE
NO.	AREAS CHECKED



FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	FOI-2017	1986	136	142

DATE	BY	FINAL SURVEY PLOTTED	NOTE BOOK TEMPLATE	AREAS CHECKED

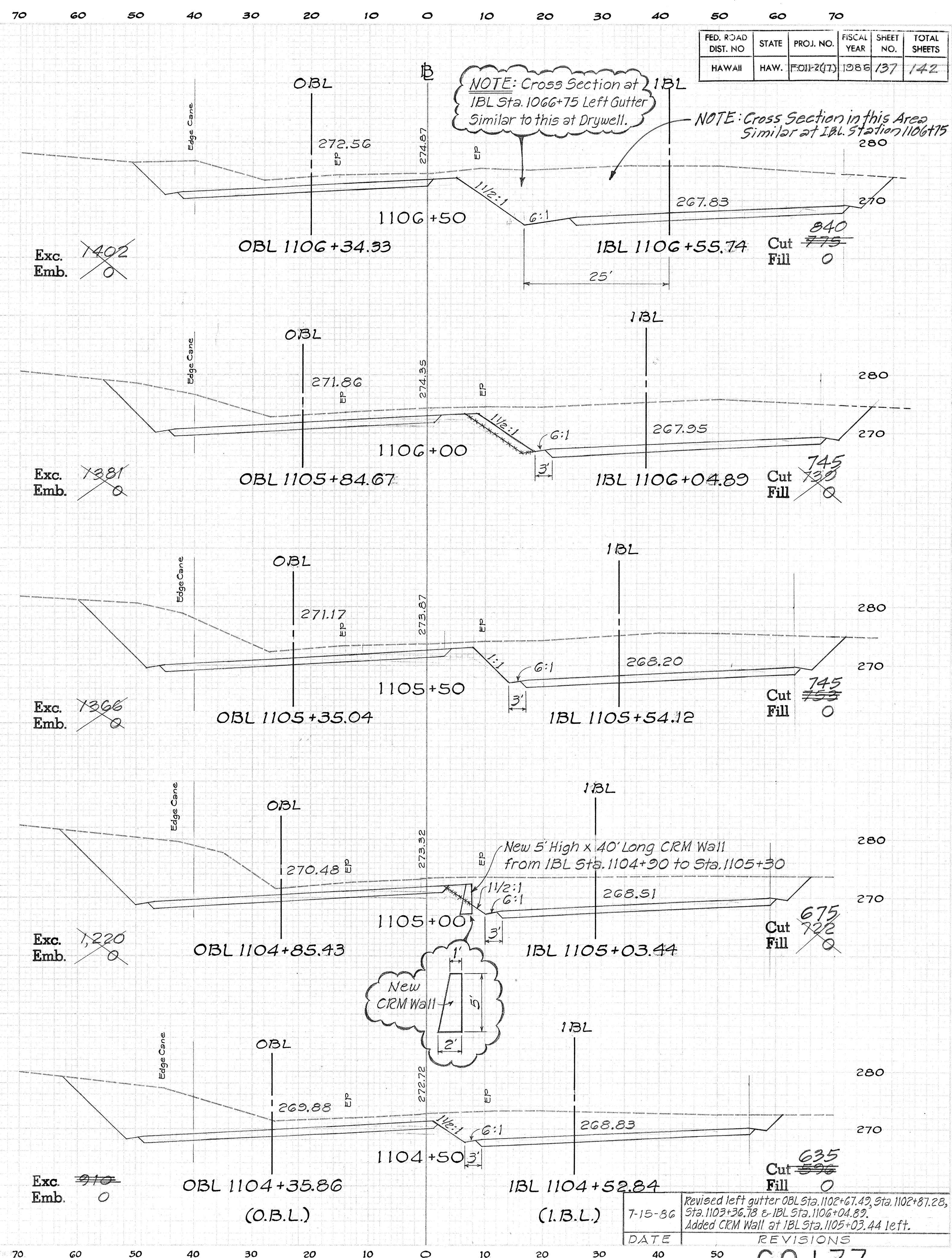
DATE	BY	ORIGINAL SURVEY PLOTTED	NOTE BOOK TEMPLATE	AREAS CHECKED



DATE	REVISIONS
7-15-86	Revised Left Gutter OBL Sta. 1099+41.41, Sta. 1099+30.76 & Sta. 1100+40.13, Added OBL Sta. 1099+25 Left Gutter Cross-Section.

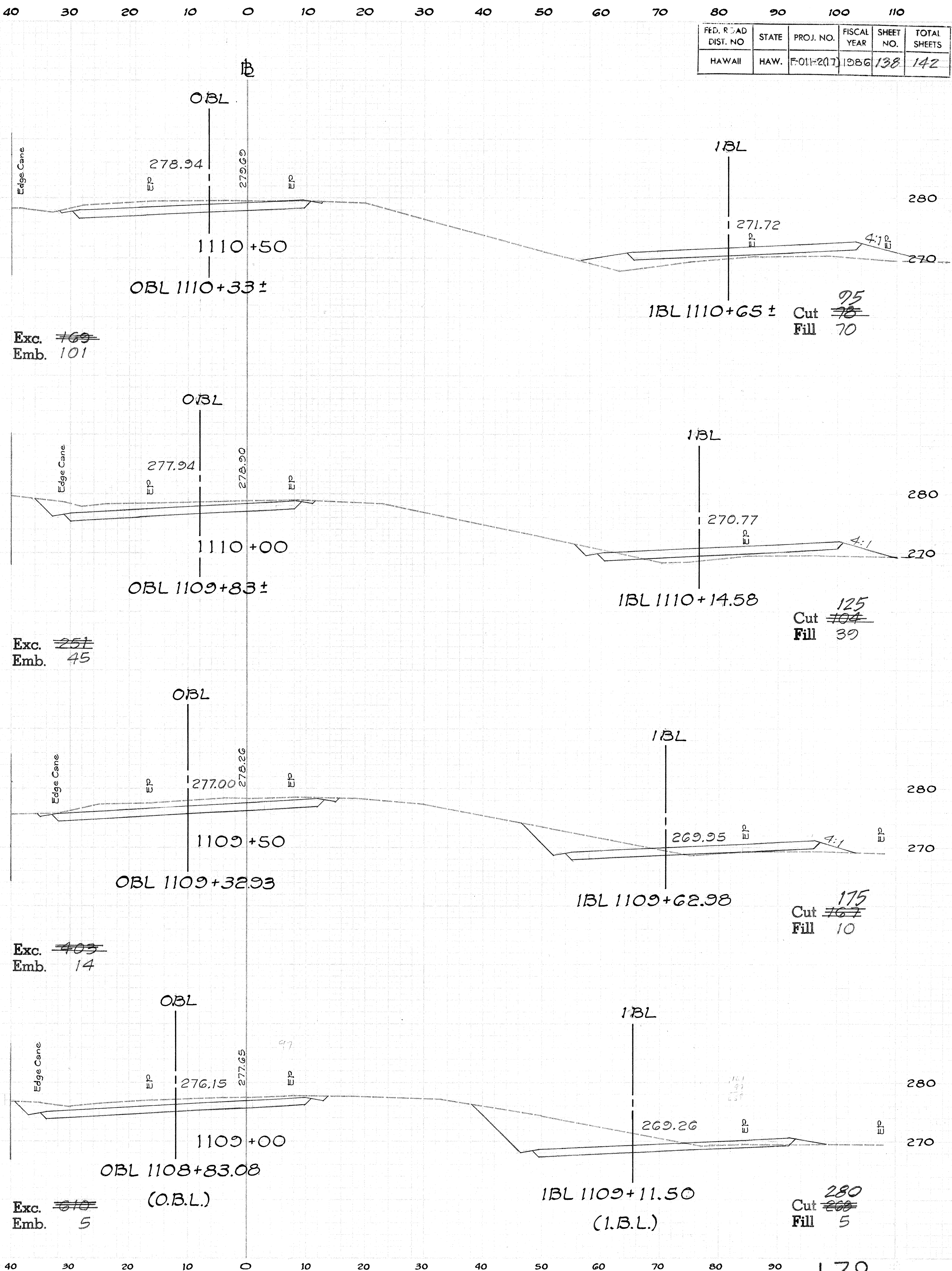
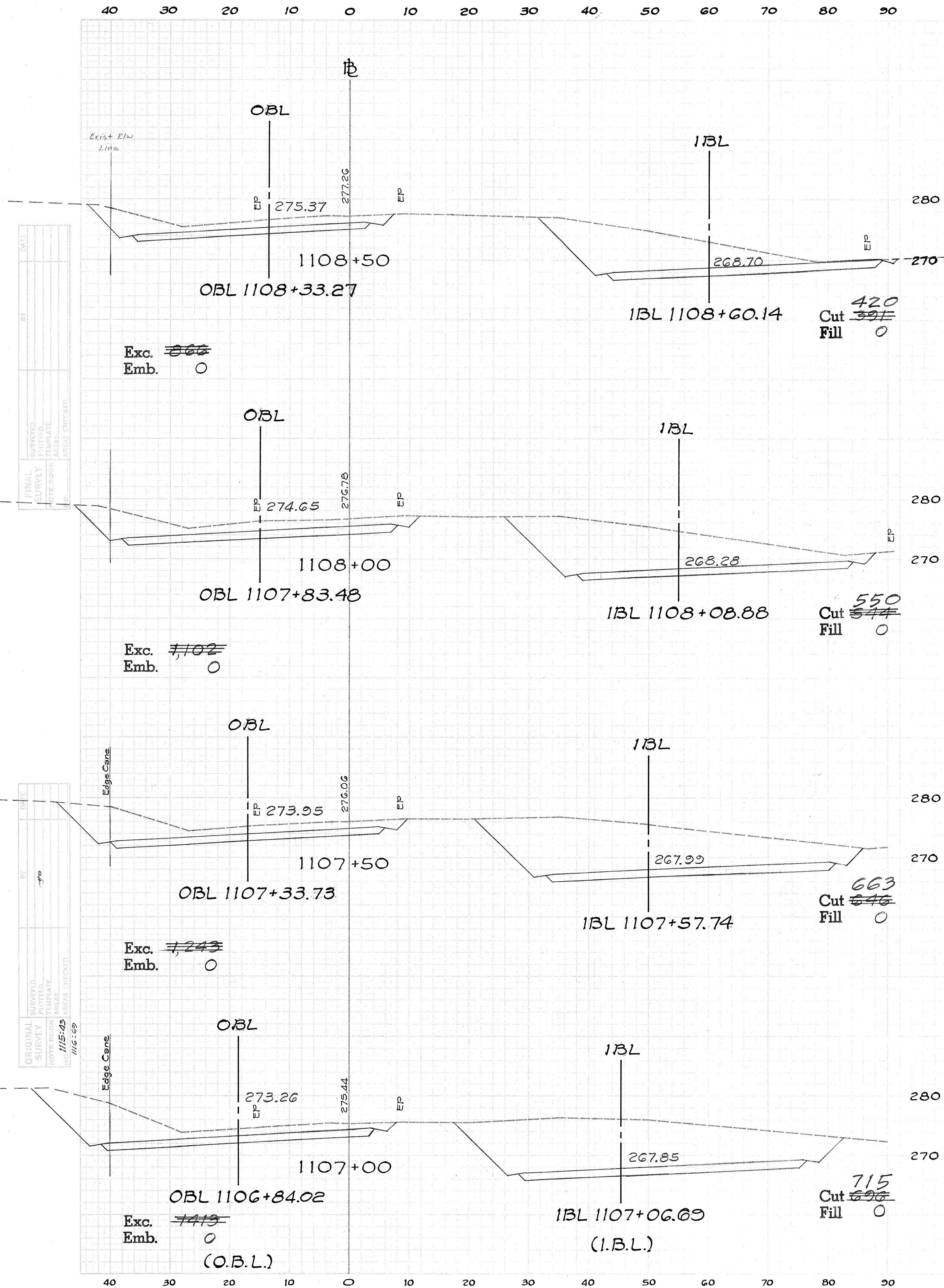
C0136

ORIGINAL SURVEY	SURVEYED	BY:	DATE:
NOTE BOOK	PLOTTED	<i>do</i>	
	TEMPLATE		
	AREAS		
	AREAS CHECKED		
NO. 1115-41			

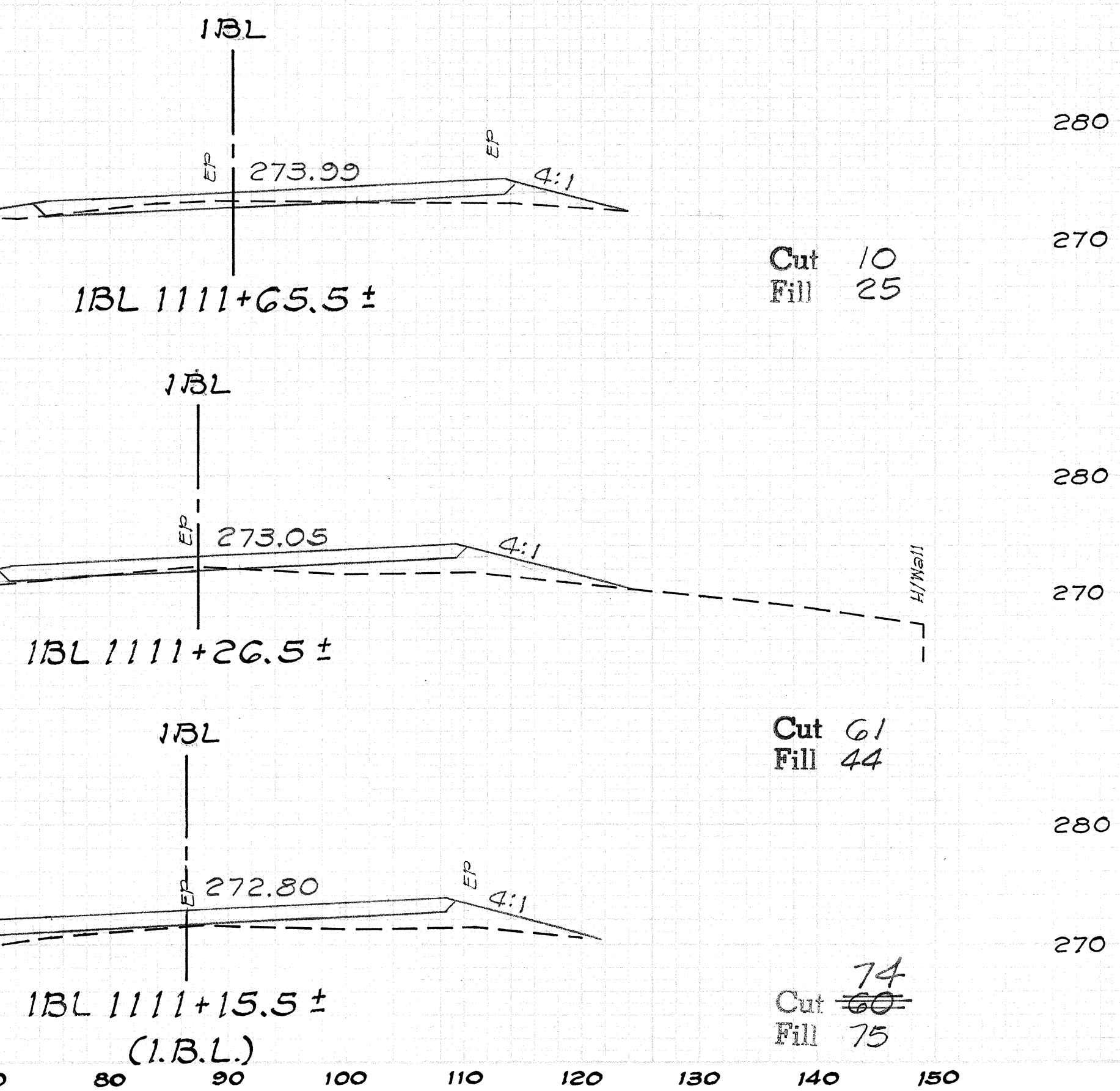
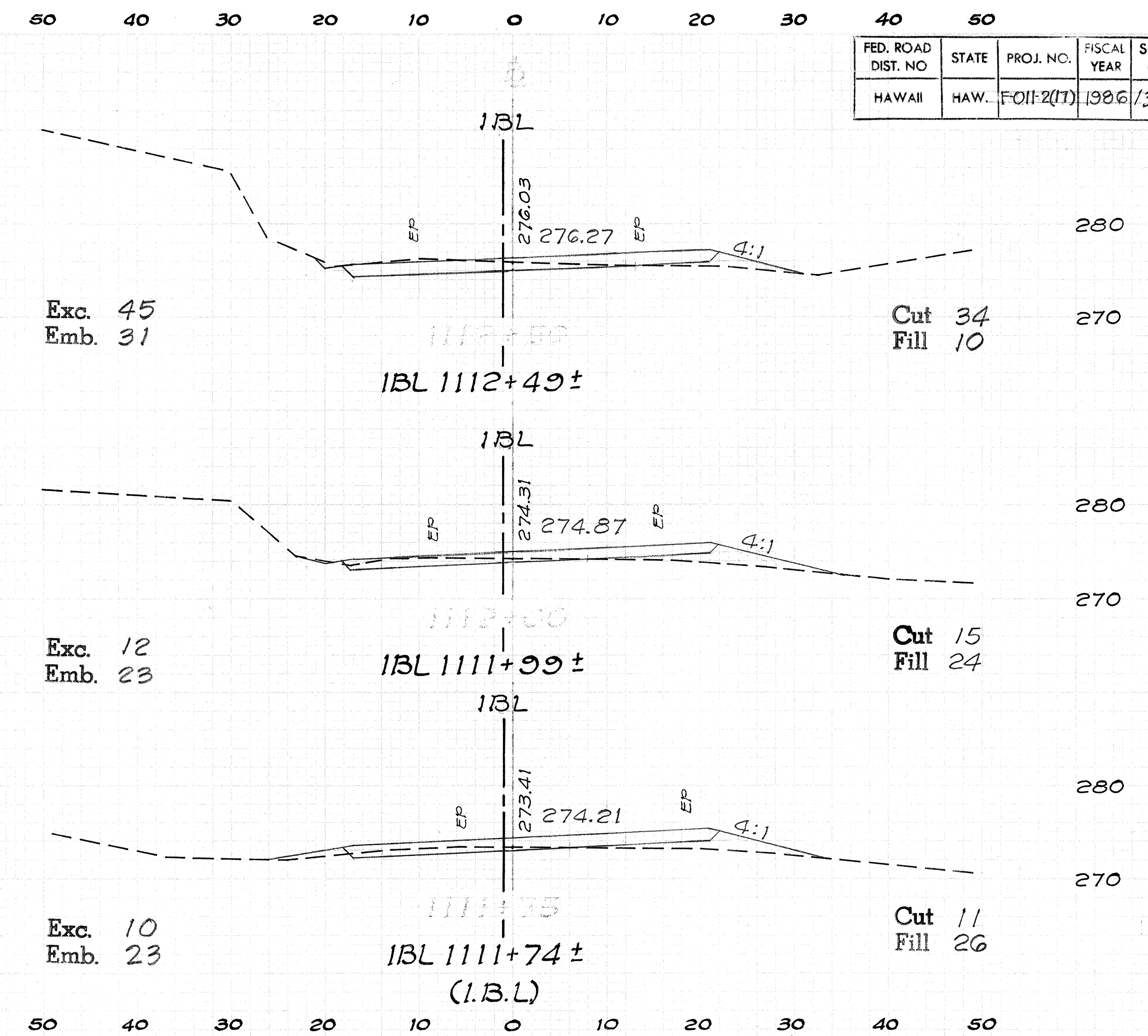
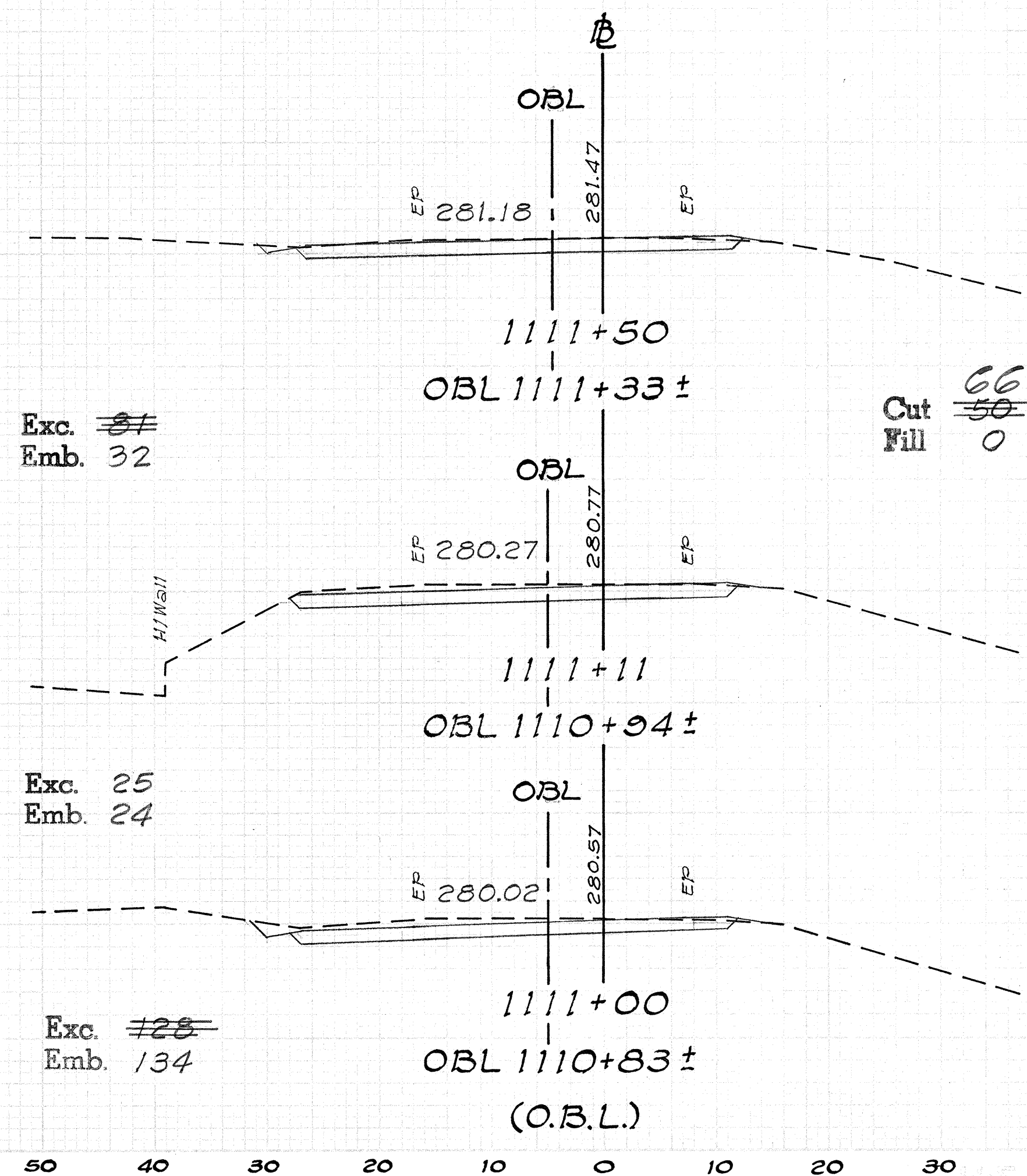


7-15-86	Revised left gutter OBL Sta. 1102+67.49, Sta. 1102+87.28, Sta. 1103+36.78 & IBL Sta. 1106+04.89. Added CRM Wall at IBL Sta. 1105+03.44 left.
DATE	REVISIONS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-011-2(1)	1966	138	142



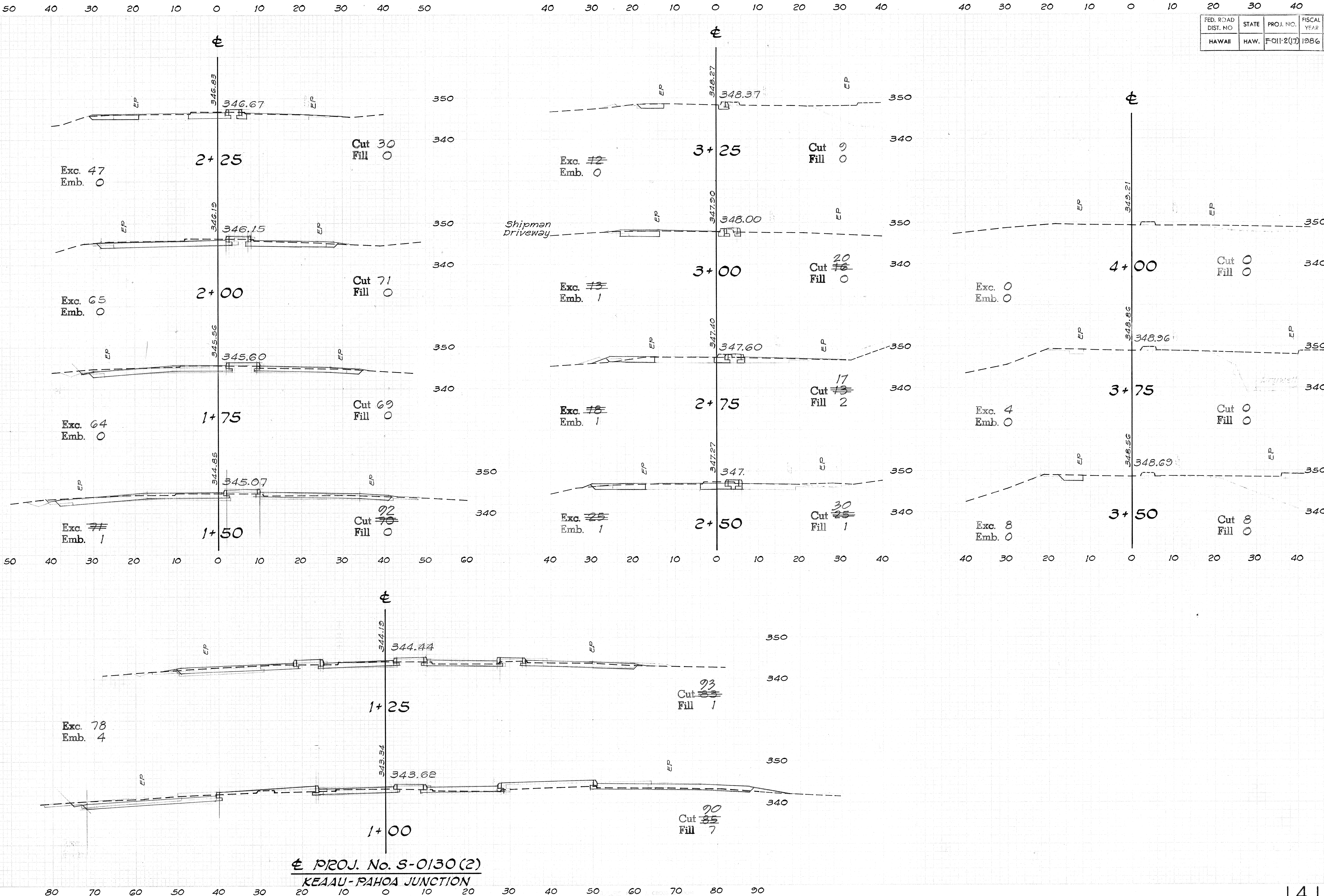
ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED	<i>JO</i>	
	TEMPLATE		
	AREAS		
	ANALYST CHECKED		
	11/5/45		



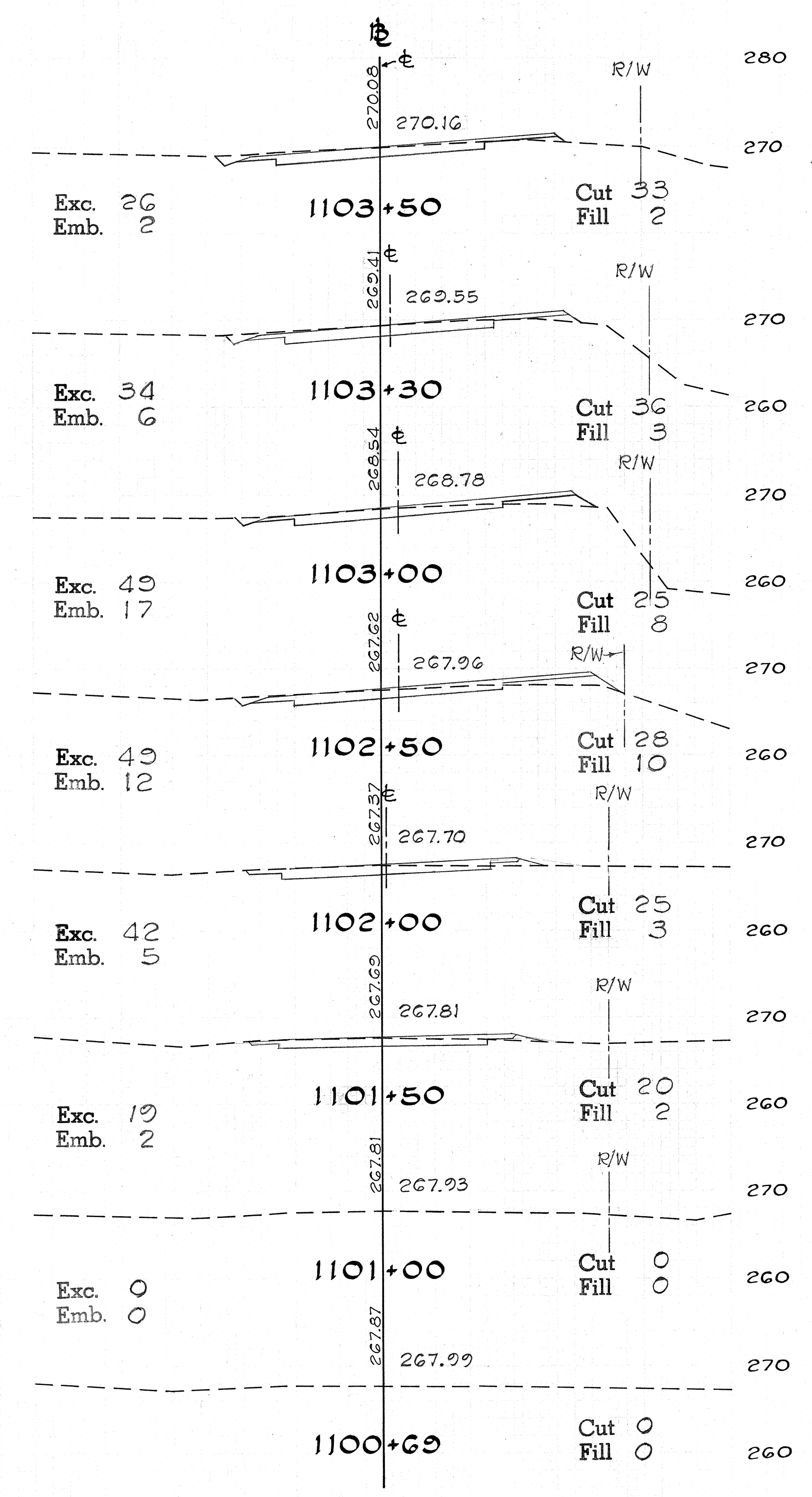
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	FOI-2(17)	1986	141	142

DATE	
BY	
DESIGNED	
CHECKED	
APPROVED	
DATE	

DATE	
BY	
DESIGNED	
CHECKED	
APPROVED	
DATE	



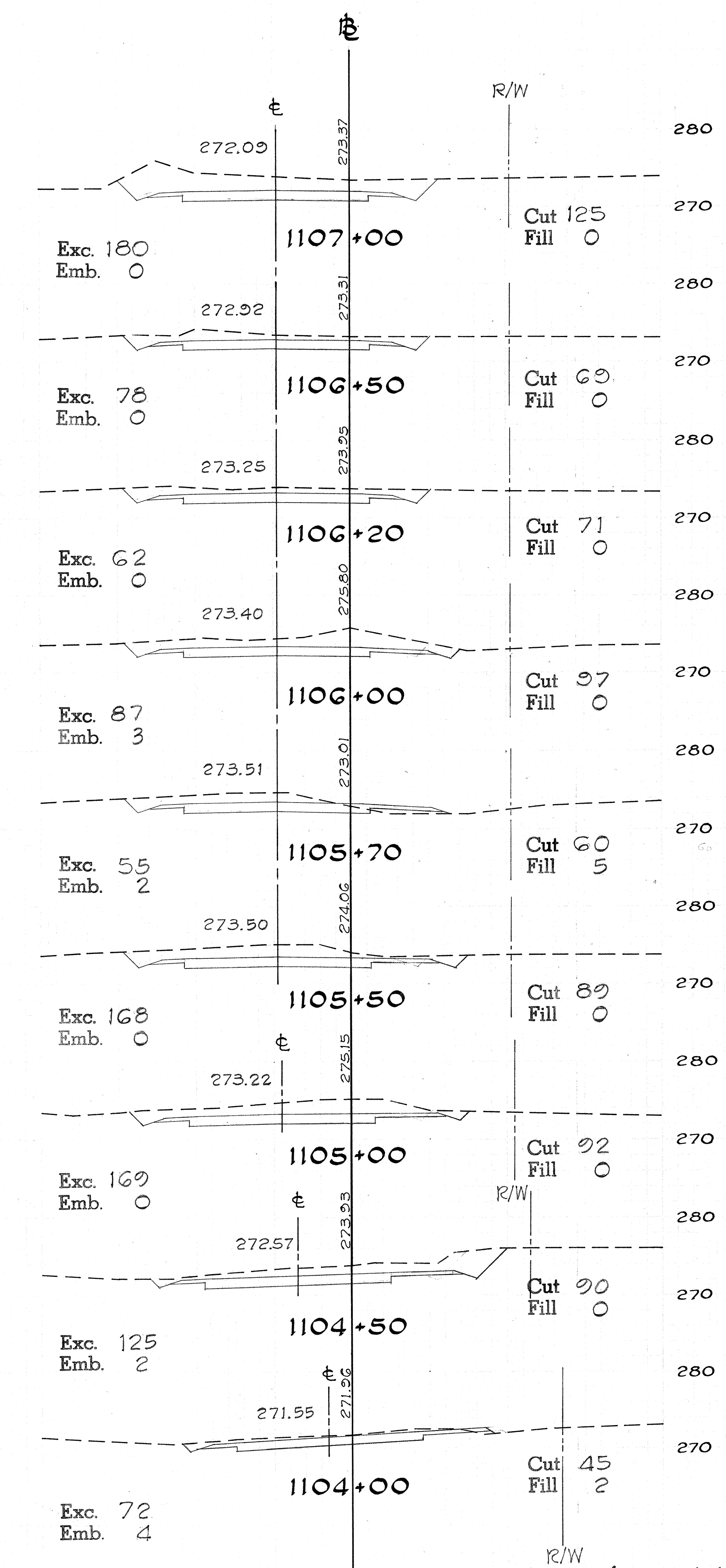
40 30 20 10 0 10 20 30 40



CROSS SECTION
LOCAL CIRCULATION ROAD

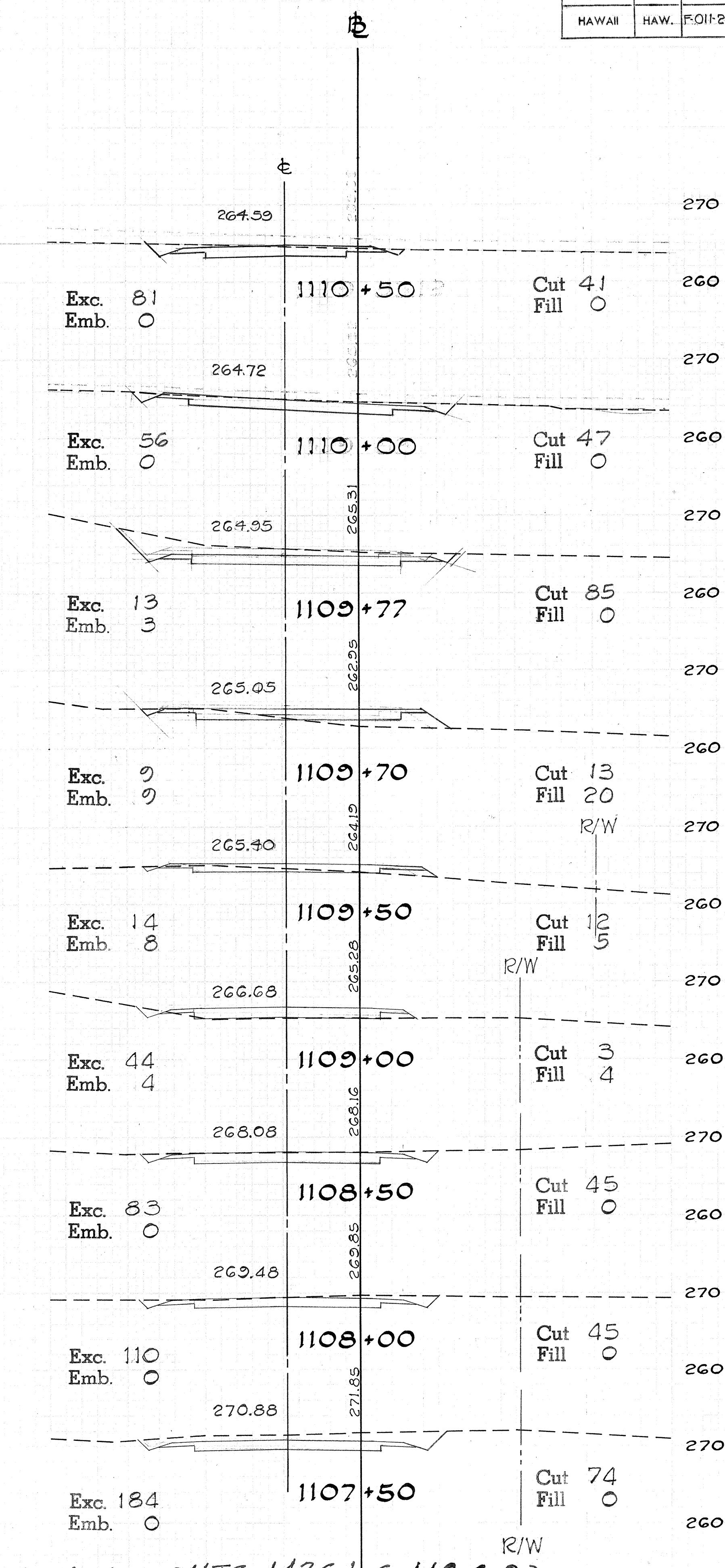
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40 30 20 10 0 10 20 30 40



40 30 20 10 0 10 20 30 40

40 30 20 10 0 10 20 30 40



40 30 20 10 0 10 20 30 40

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F.OI-2(17)	1986	142	142

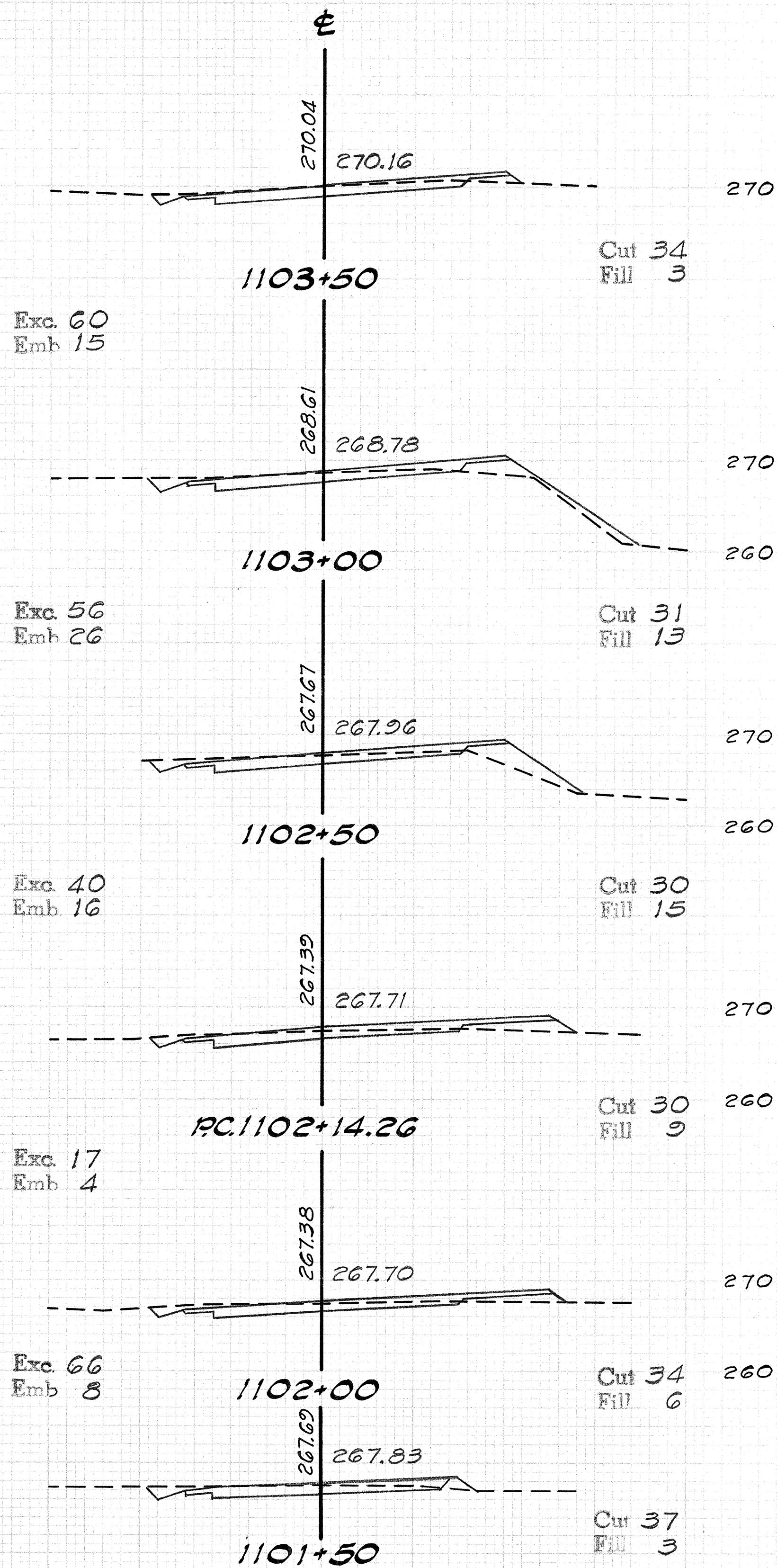
(SUPERSEDED BY SHTS. 1425-1 & 1425-2)

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40 30 20 10 0 10 20 30

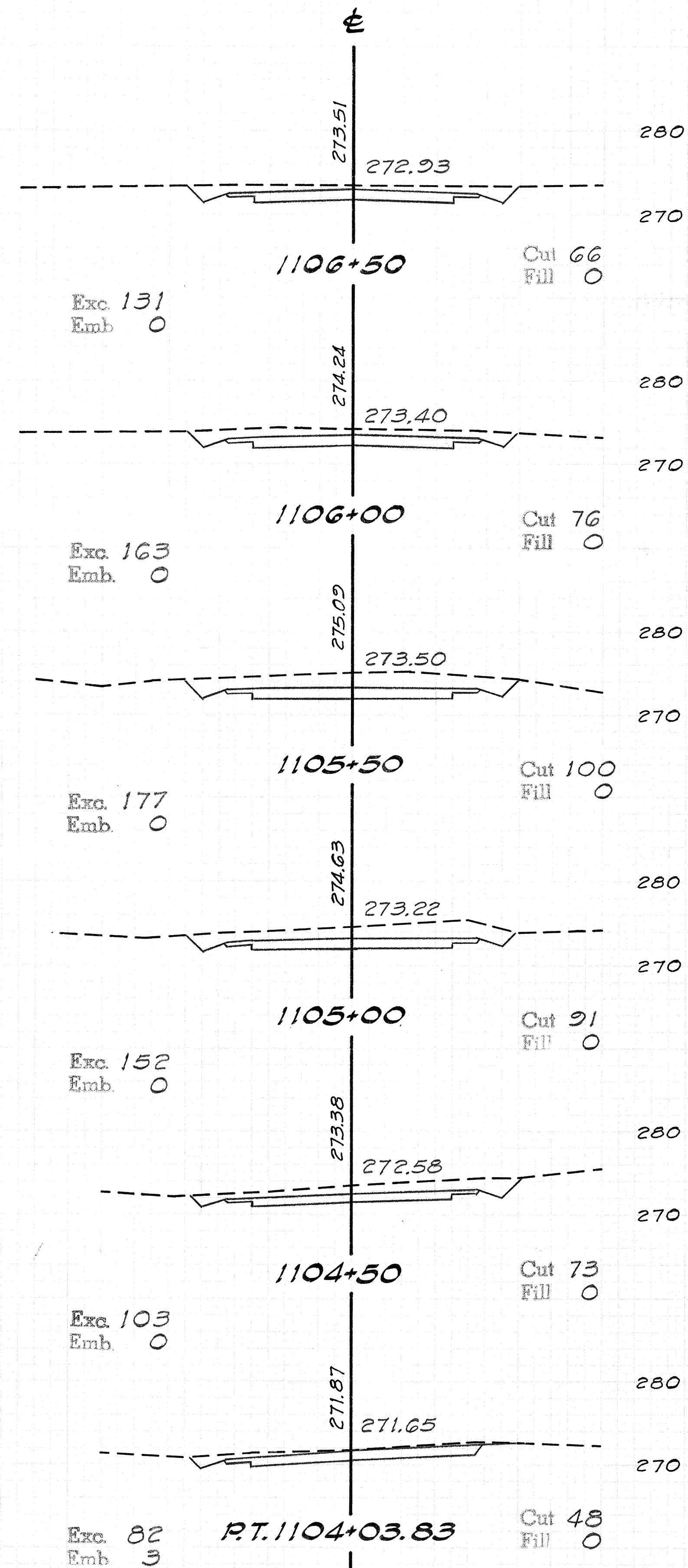
40 30 20 10 0 10 20 30

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-011-2(17)			

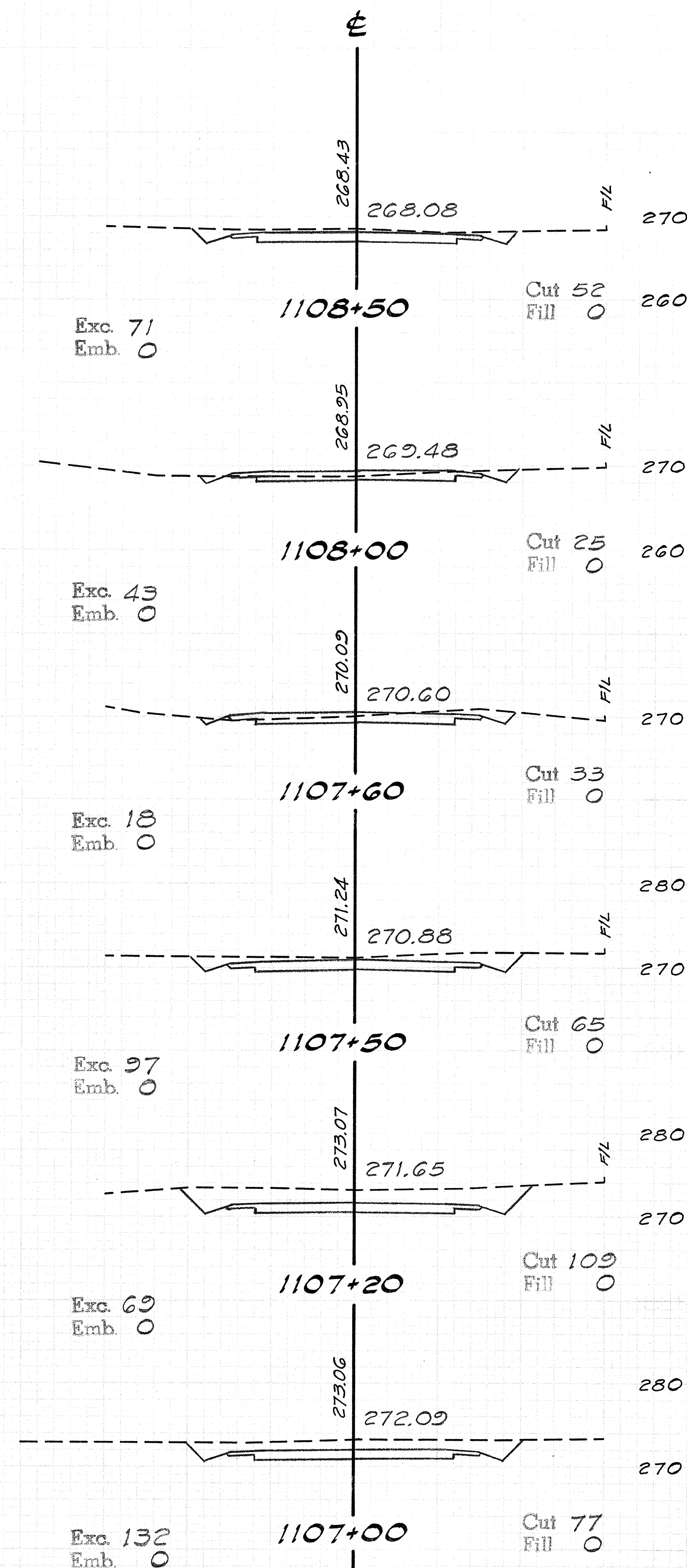


CROSS SECTION
LOCAL CIRCULATION ROAD

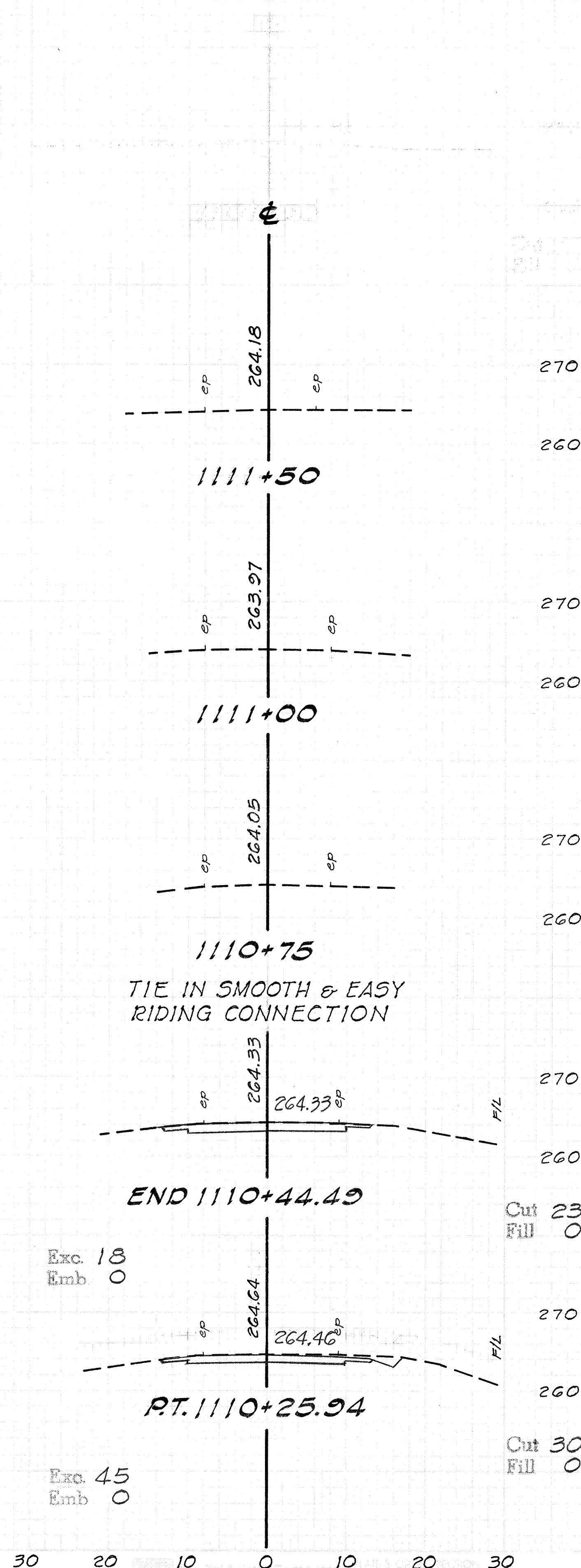
30 20 10 0 10 20 30 40



40 30 20 10 0 10 20 30



40 30 20 10 0 10 20 30



P.T. 1110+25.94