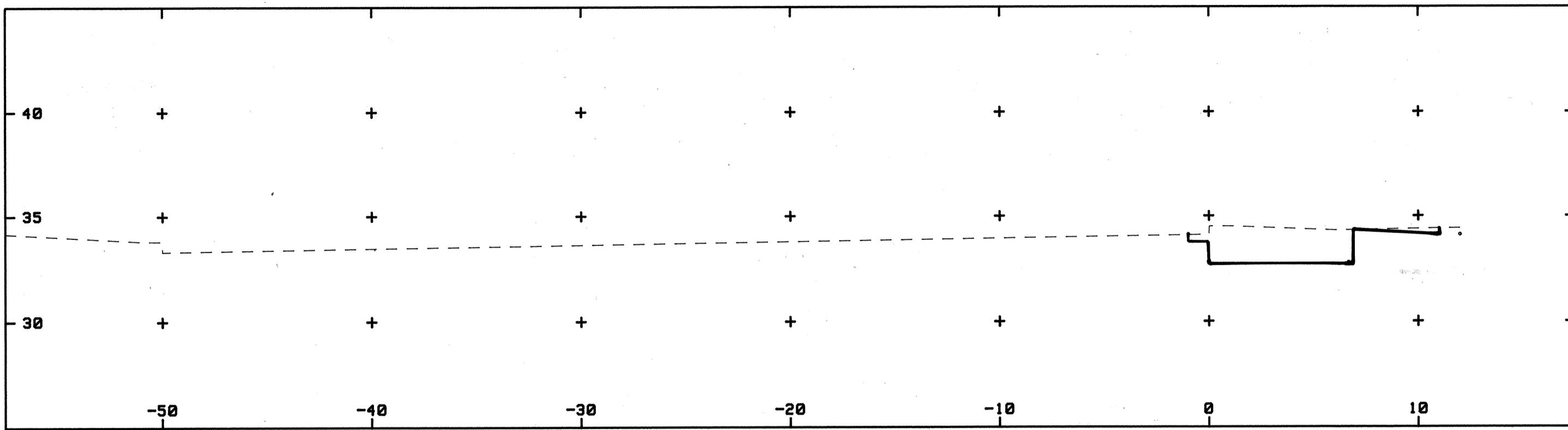
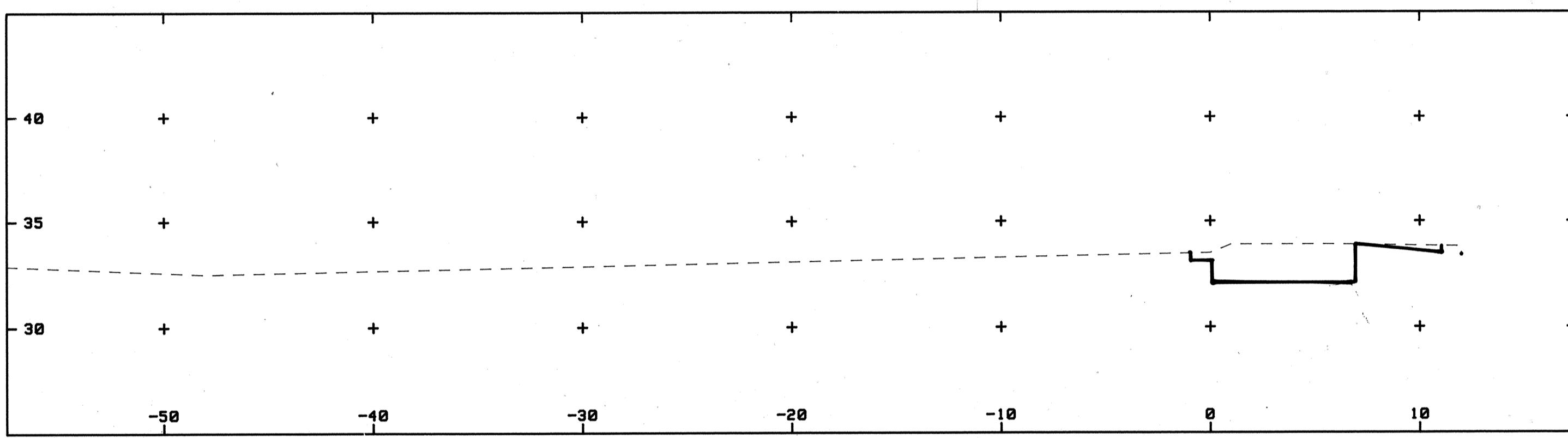


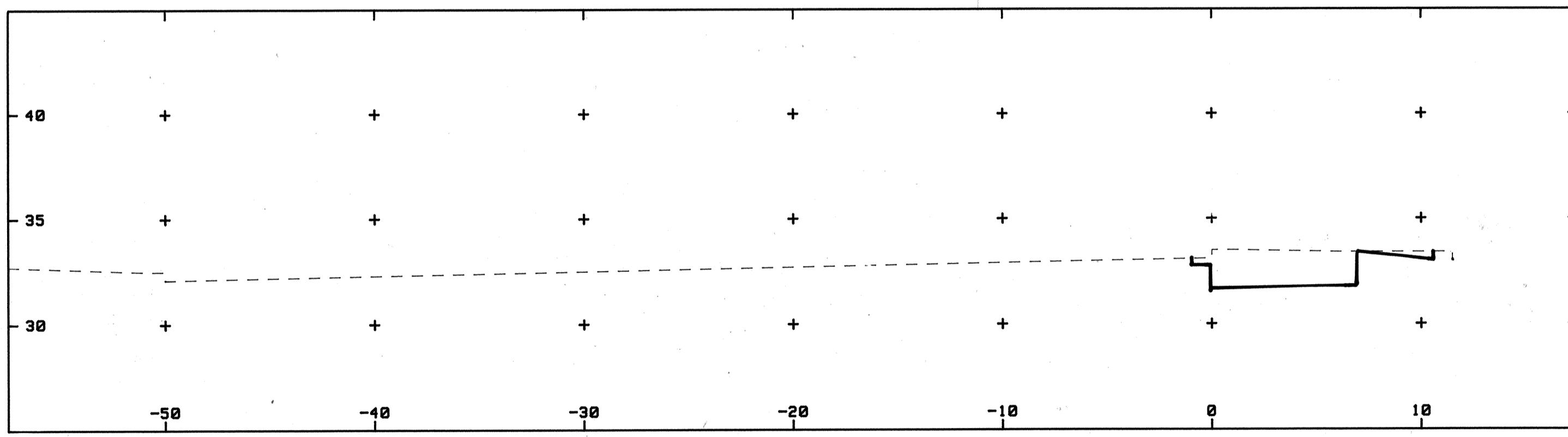
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	HEET NO.	TOTAL SHEETS
HAWAII	HAW.	98A-01-89	1991	25	28



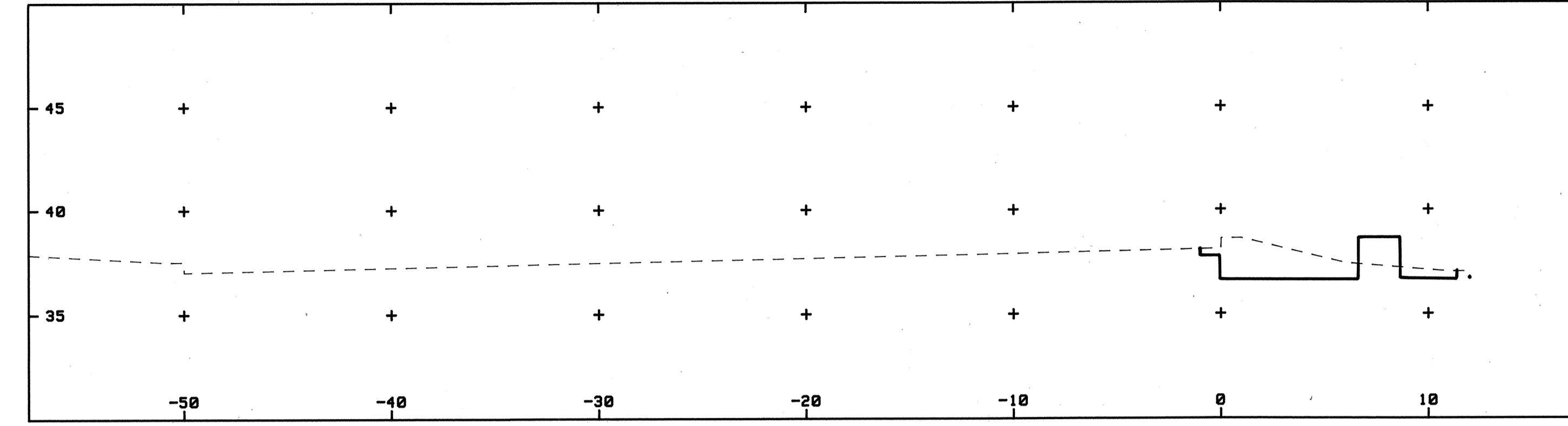
148+50

CUT = 13 S.F.
FILL = 0

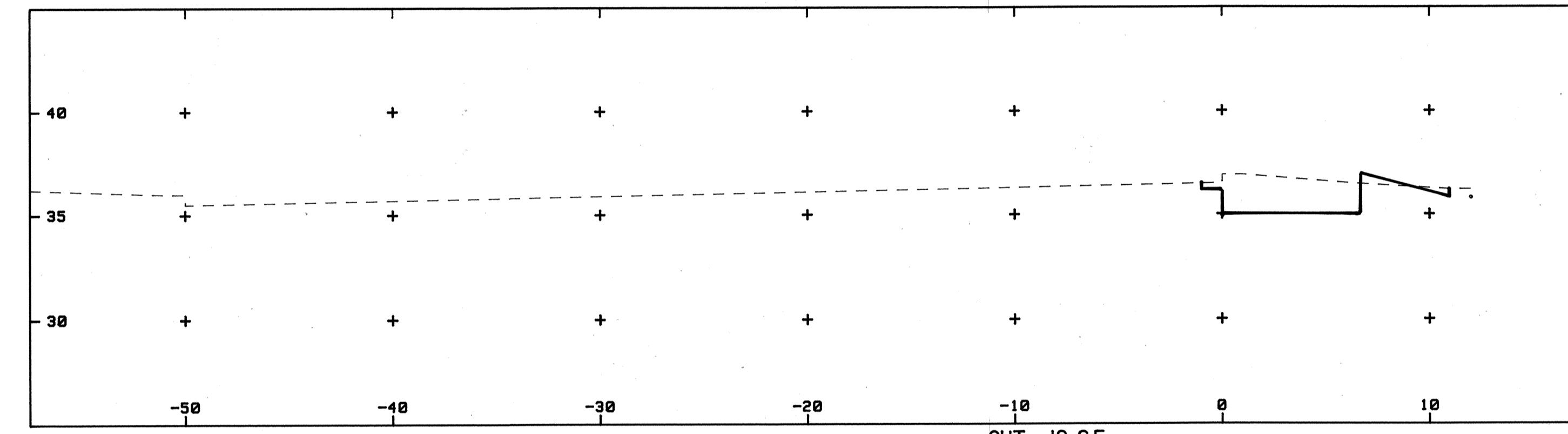
148+00

CUT = 14 S.F.
FILL = 0

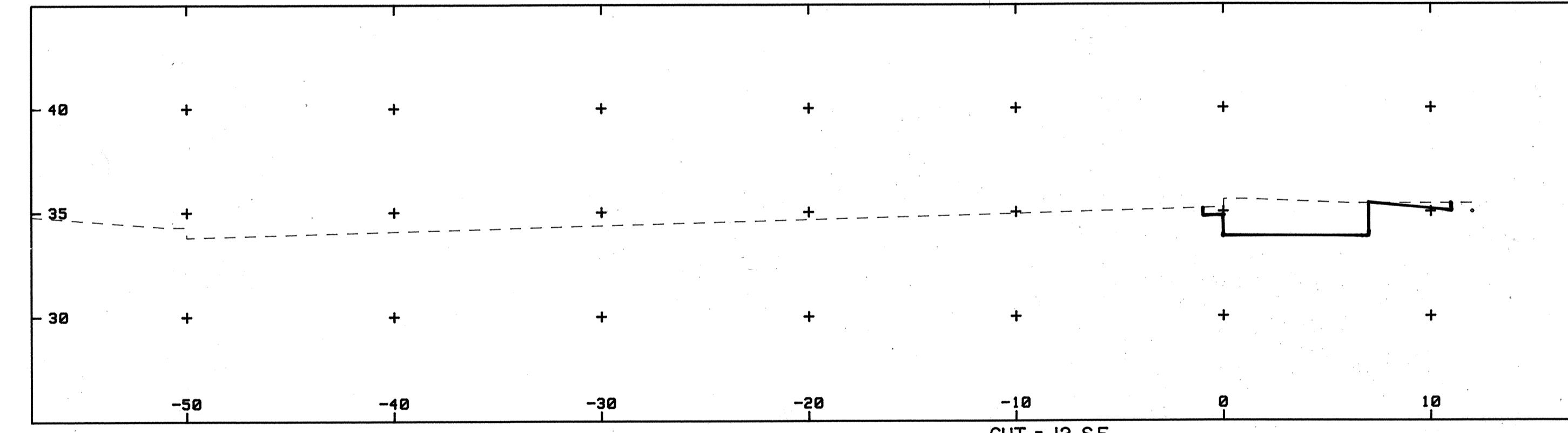
147+50

CUT = 14 S.F.
FILL = 0

150+00

CUT = 10 S.F.
FILL = 3 S.F.

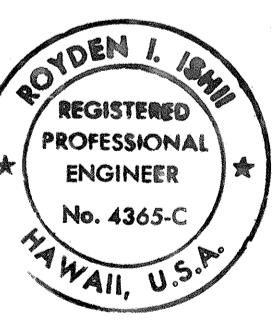
149+50

CUT = 12 S.F.
FILL = 1 S.F.

149+00

CUT = 12 S.F.
FILL = 0

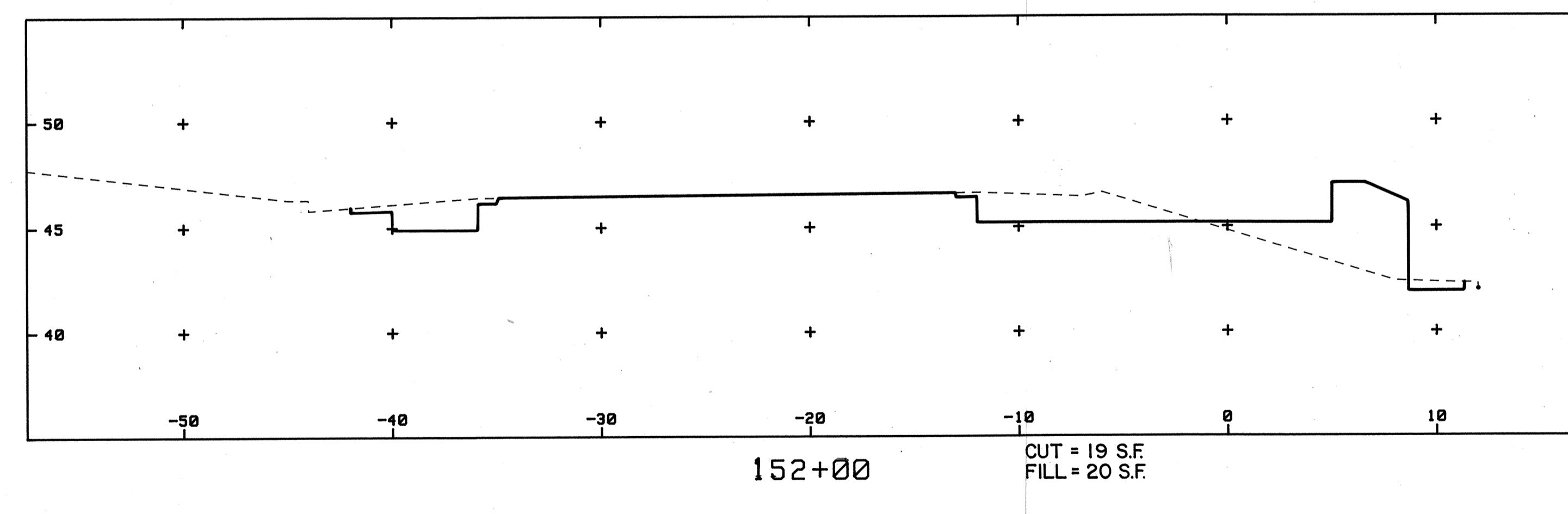
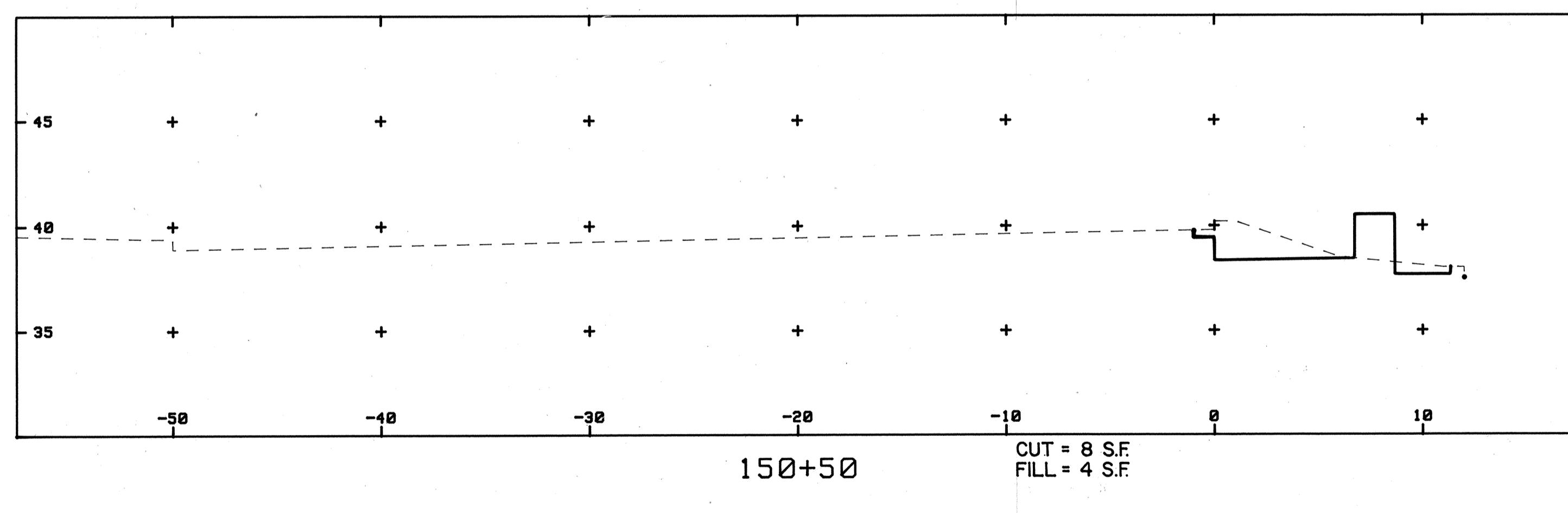
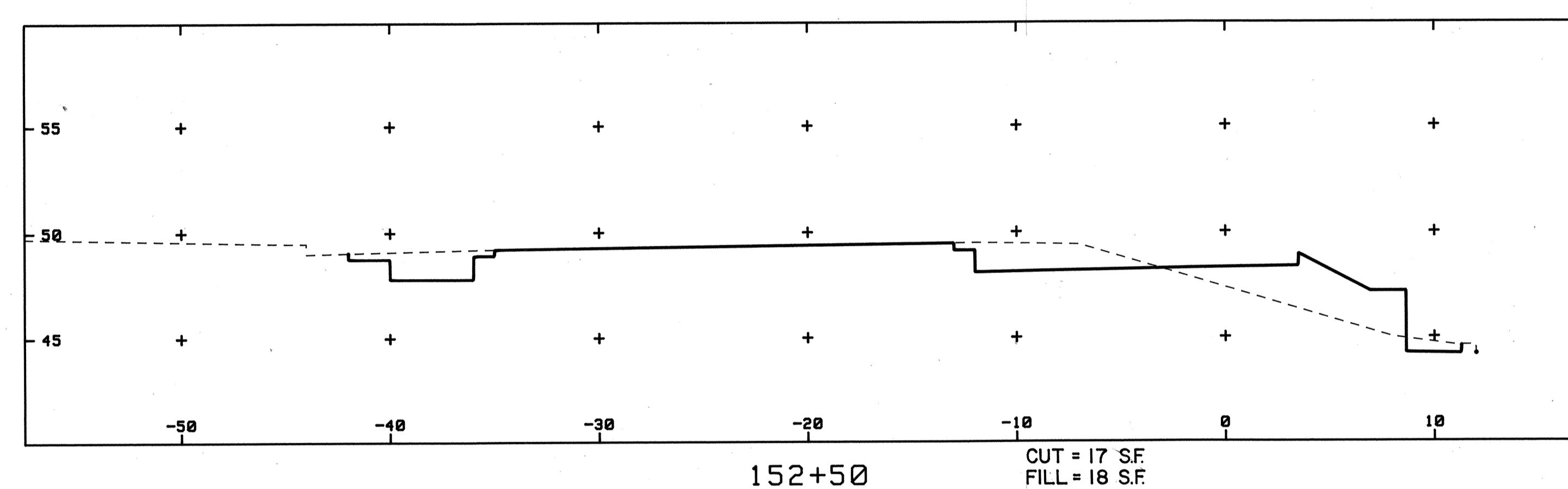
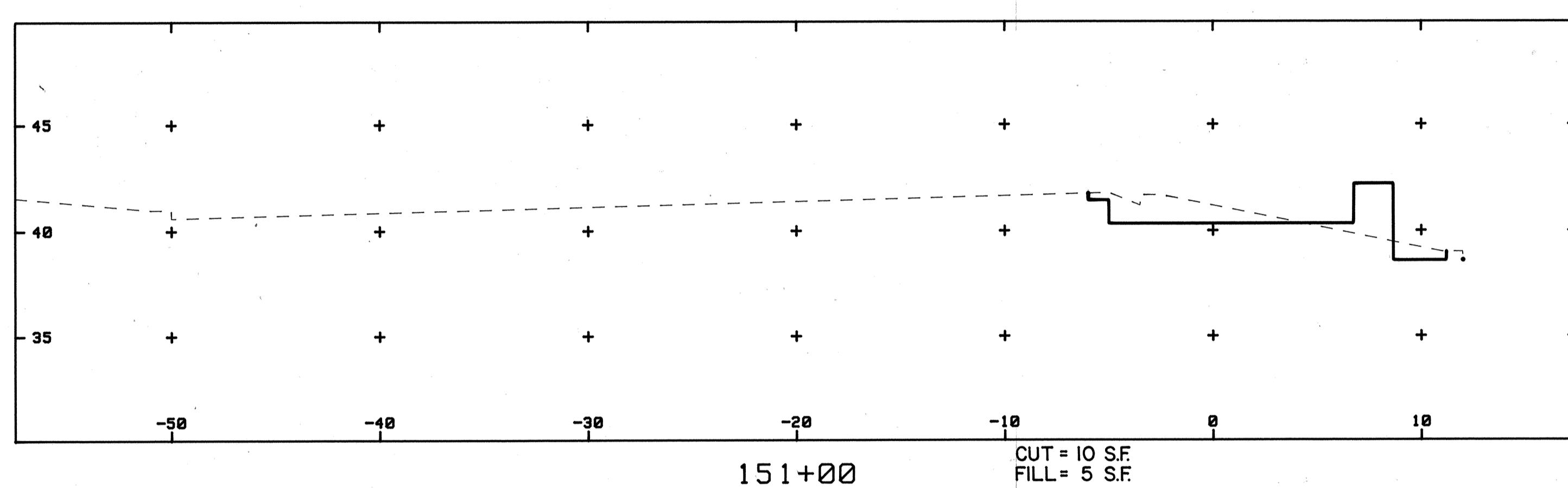
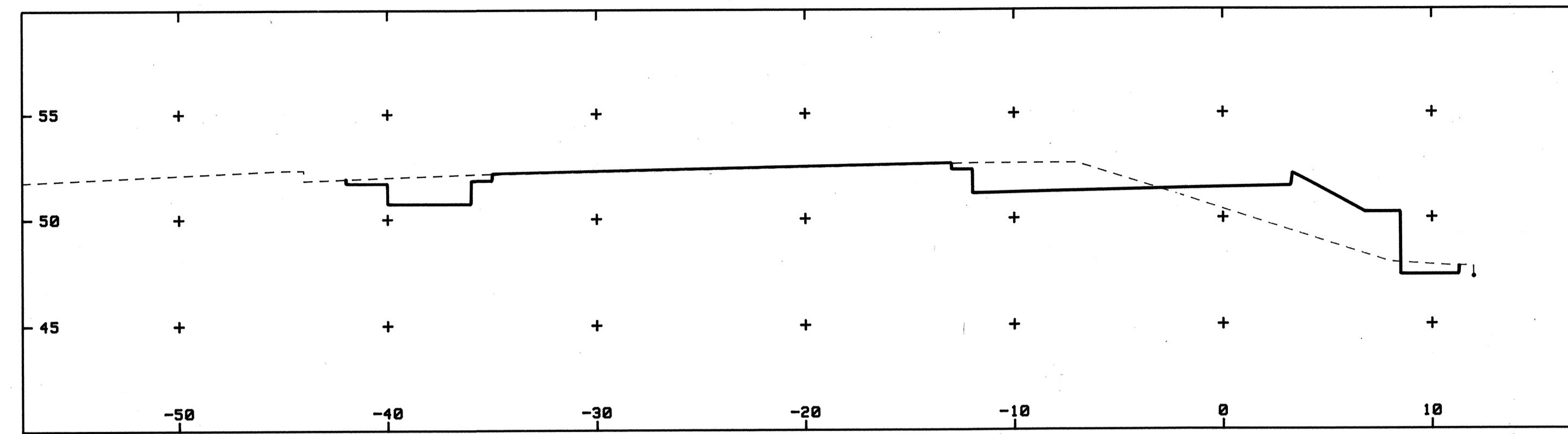
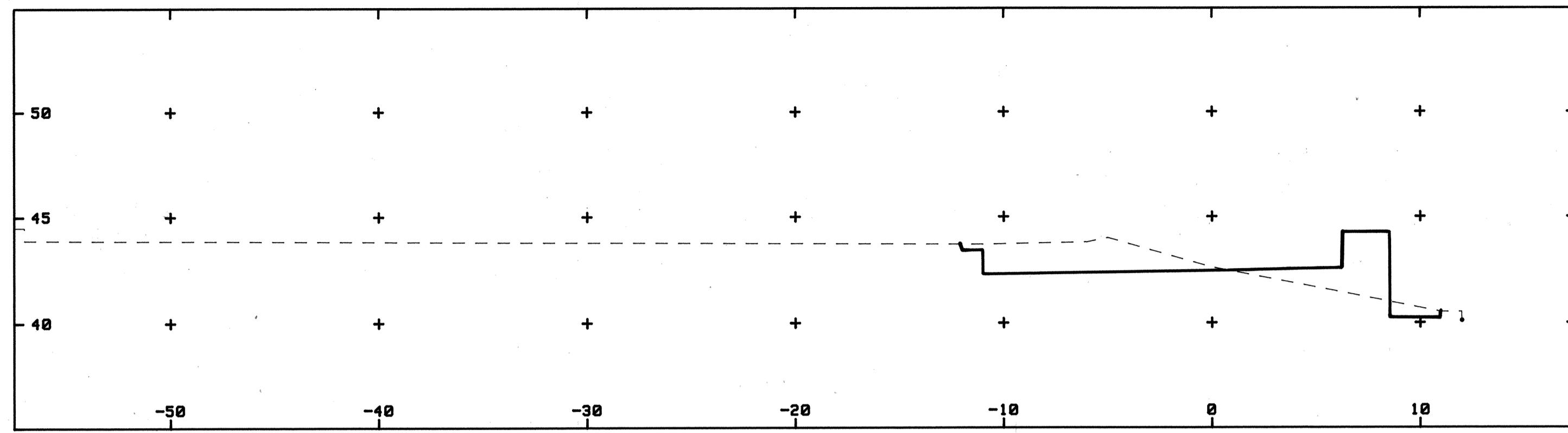
ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
DESIGNED BY		
QUANTITIES BY		
CHECKED BY		



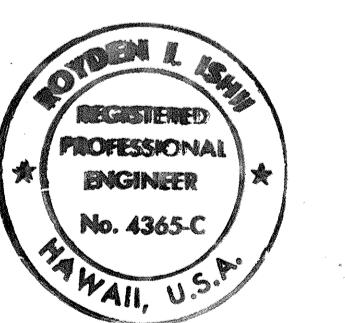
THIS DRAWING WAS PREPARED BY
ME UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
CROSS SECTIONS
VINEYARD-PUNCHBOWL
TRAFFIC IMPROVEMENT PROJECT
PROJECT NO. 98A-01-89
SCALES: HORIZ. 1'-0"
VERT. 1'-0"
DATE: APRIL 1990
SHEET NO. 1 OF 4 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	HEET NO.	TOTAL SHEETS
HAWAII	HAW.	98A-01-89	1991	26	28



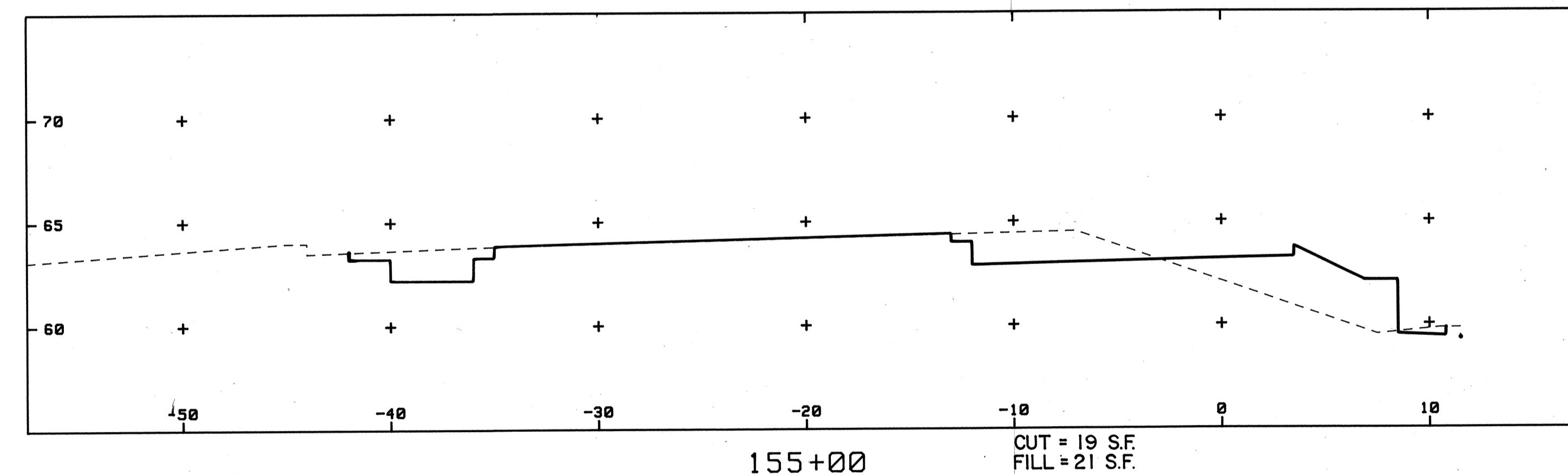
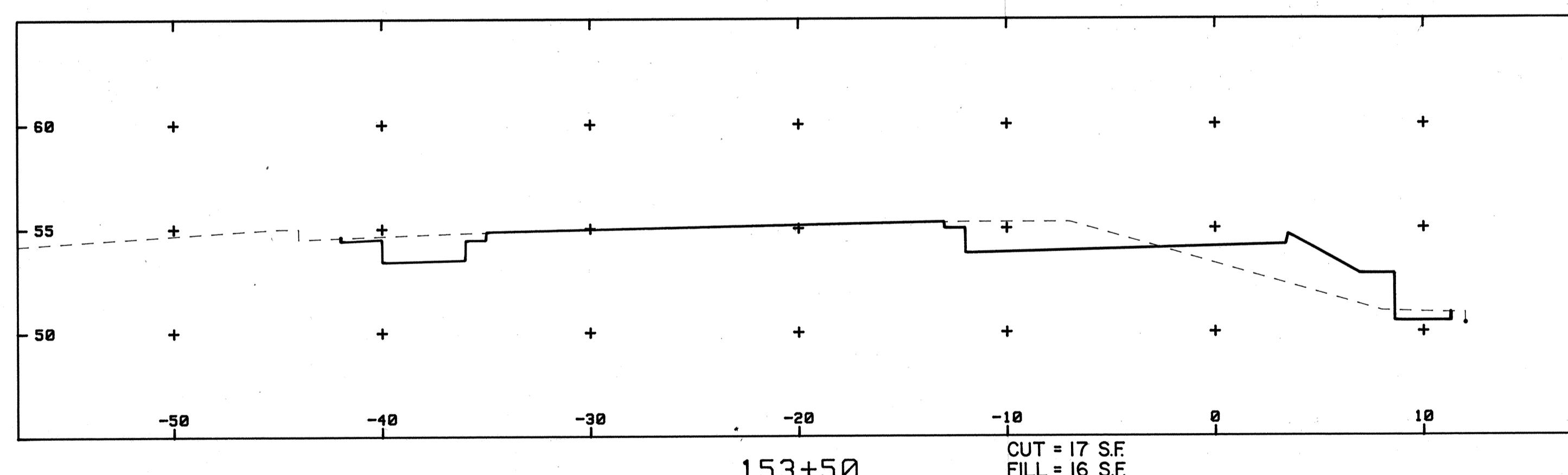
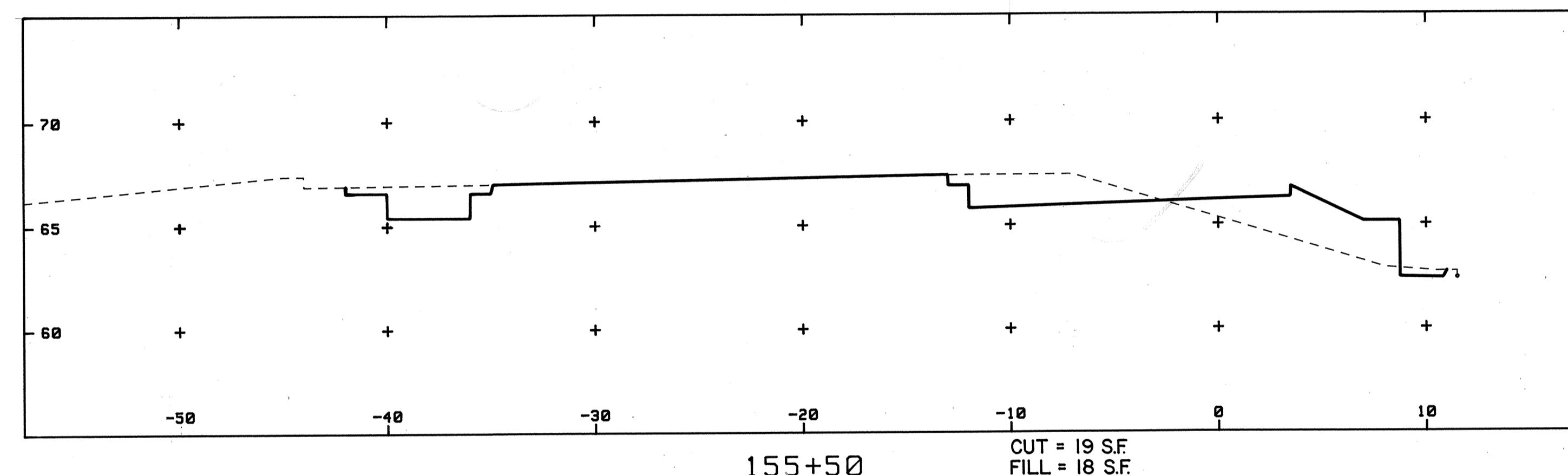
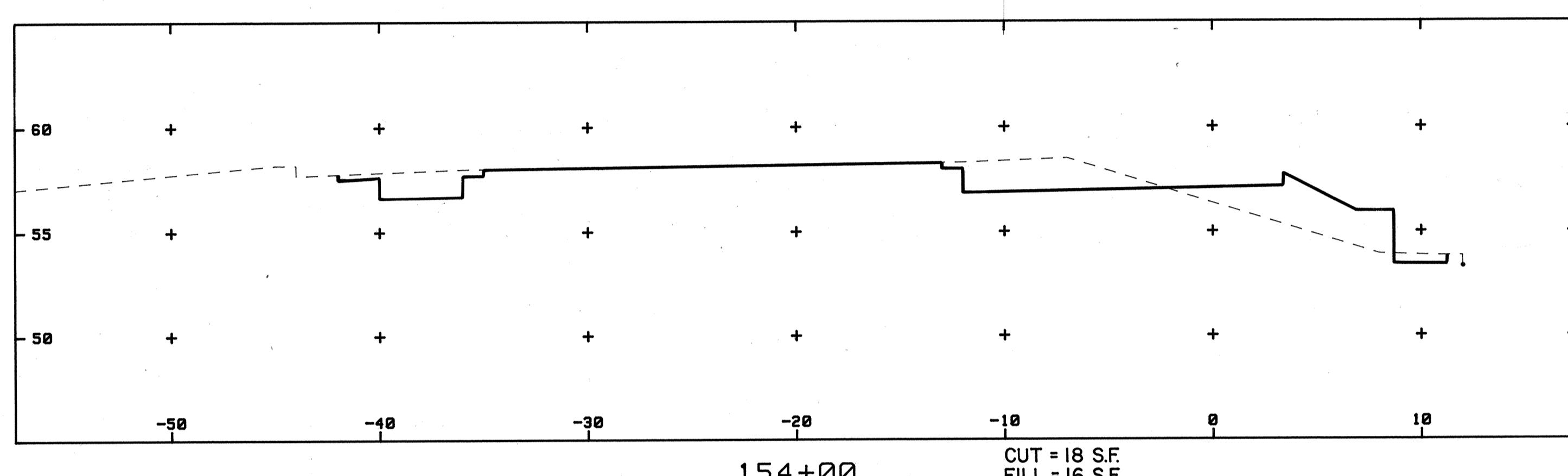
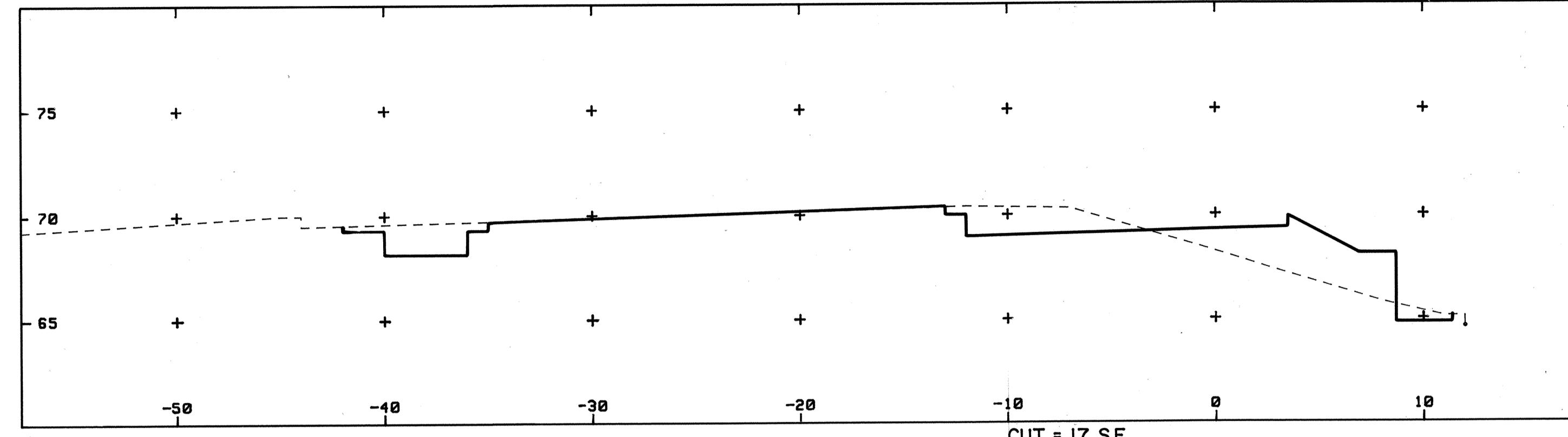
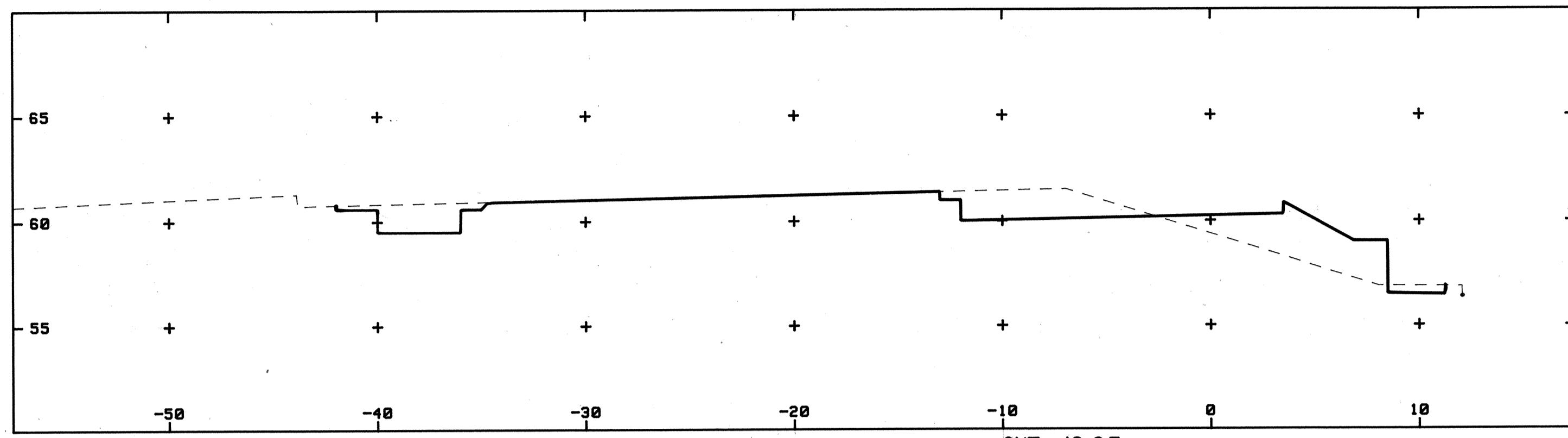
ORIGINAL PLAN
SURVEY PLOTTED BY _____ DATE _____
DRAWN BY _____
ENGINEERED BY _____
NOTE BOOK NO. _____ QUANTITIES BY _____
CHECKED BY _____



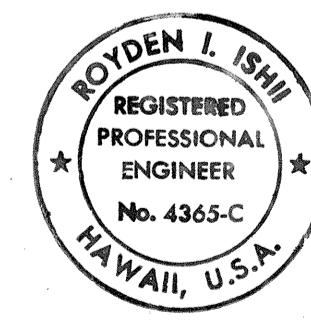
Robert L. Ishii
THIS DRAWING WAS DRAFTED BY
ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
CROSS SECTIONS
VINEYARD - PUNCHBOWL
TRAFFIC IMPROVEMENT PROJECT
PROJECT NO. 98A-01-89
SCALES: HORIZ. 1'-0" = 5'
VERT. 1'-0" = 5'
DATE: APRIL 1990
SHEET NO. 2 OF 4 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	HEET NO.	TOTAL SHEETS
HAWAII	HAW.	98A-01-89	1991	27	28



SURVEY PLOTTED BY _____ DATE _____
 DRAWN BY _____
 TRACED BY _____
 DESIGNED BY _____
 CHECKED BY _____
 ORIGINAL
 PLAN
 NOTEBOOK
 NO. _____



Royden L. Ishii
 REGISTERED
 PROFESSIONAL
 ENGINEER
 No. 4365-C
 HAWAII, U.S.A.

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

CROSS SECTIONS

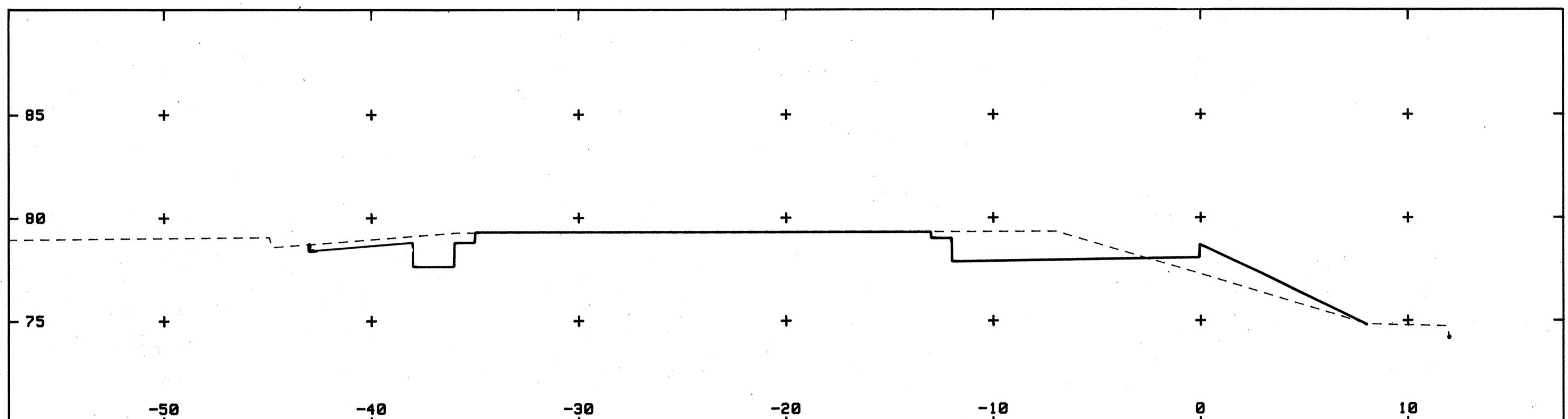
VINEYARD-PUNCHBOWL
 TRAFFIC IMPROVEMENT PROJECT
 PROJECT NO. 98A-01-89

SCALES: HORIZ. 1"-5'
 VERT. 1"-5'

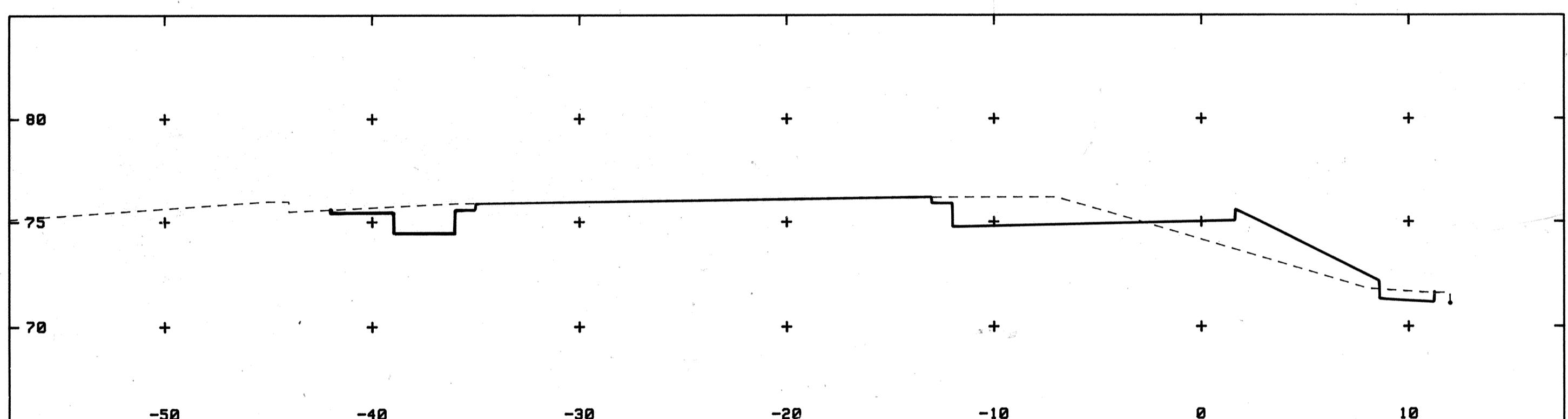
DATE: APRIL 1990

SHEET NO. 3 OF 4 SHEETS

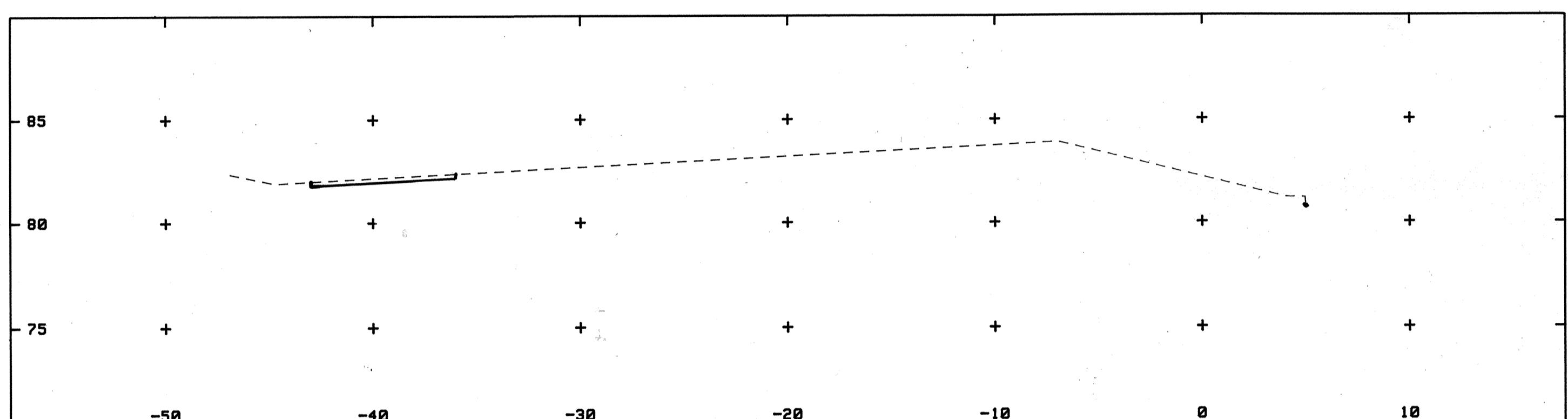
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	HEET NO.	TOTAL SHEETS
HAWAII	HAW.	98A-01-89	1991	28	28



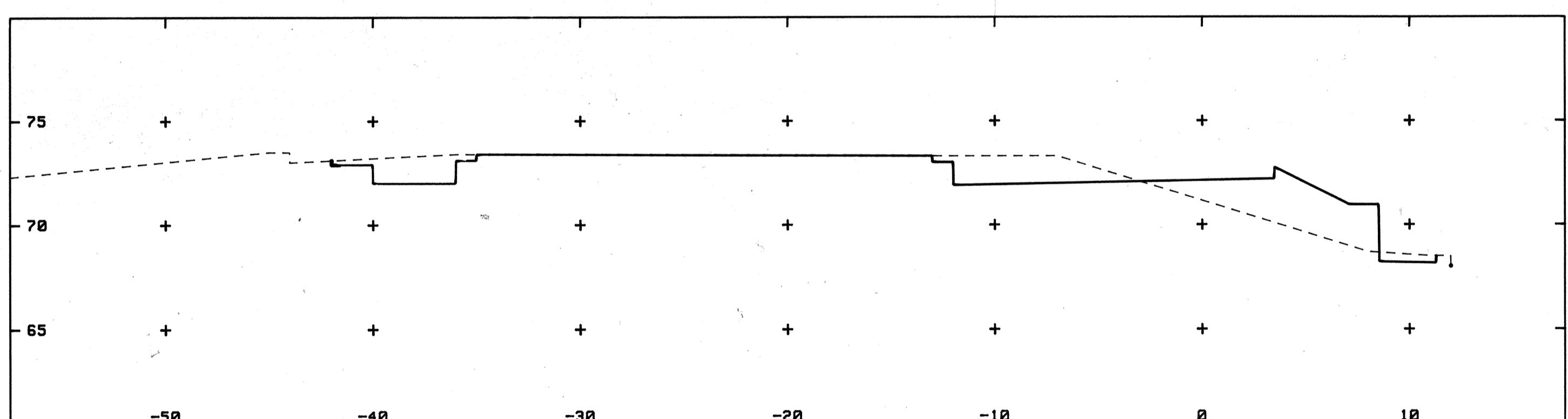
157+50

CUT = 16 S.F.
FILL = 7 S.F.

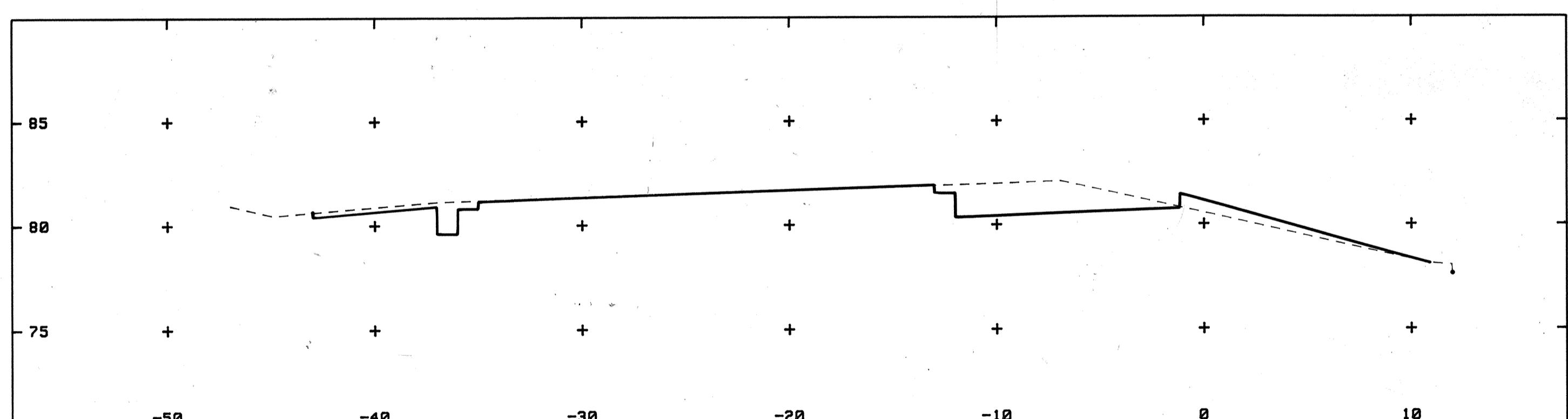
157+00

CUT = 17 S.F.
FILL = 12 S.F.

158+50

CUT = 2 S.F.
FILL = 0

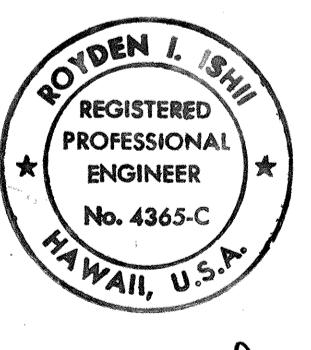
156+50

CUT = 17 S.F.
FILL = 18 S.F.

158+00

CUT = 17 S.F.
FILL = 4 S.F.

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



Royden I. Ishii
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ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
CROSS SECTIONS

VINEYARD - PUNCHBOWL
TRAFFIC IMPROVEMENT PROJECT
PROJECT NO. 98A-01-89
SCALES: HORIZ. 1'-0"
VERT. 1'-0"
DATE: APRIL 1990

SHEET NO. 4 OF 4 SHEETS