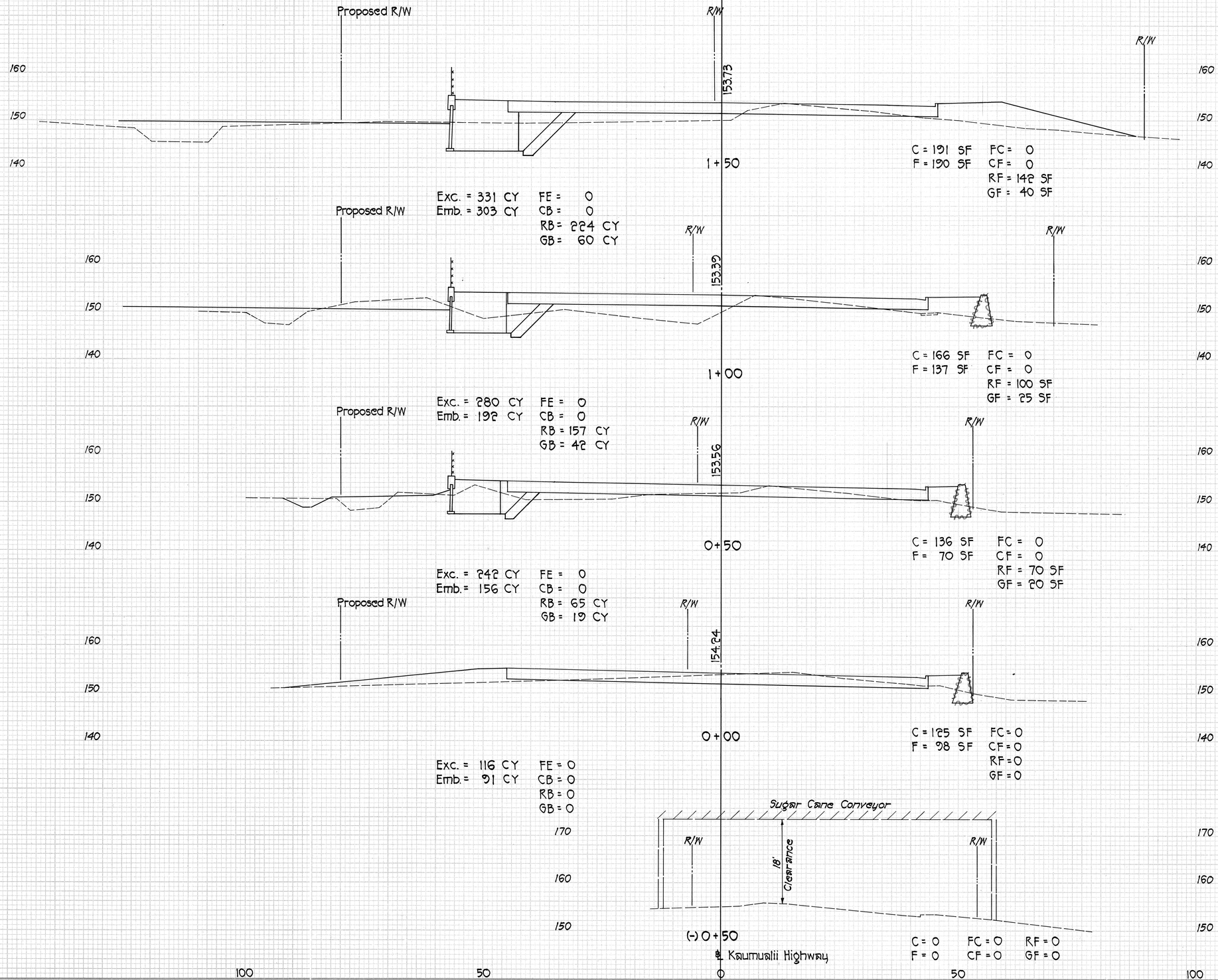
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	50E-01-98	1998	63	79



LEGEND

C	Roadway Cut (SF)
F	Roadway Fill (SF)
Exc.	Roadway Excavation (CY)
Emb.	Roadway Embankment (CY)
FC	Foundation Cut (SF)
CF	Coarse Aggregate Fill (SF)
RF	Reinforced Wall Fill (SF)
GF	Granular Fill (SF)
FE	Foundation Excavation (CY)
CB	Coarse Aggregate Backfill (CY)
RB	Reinforced Wall Backfill (CY)
GB	Granular Backfill (CY)

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

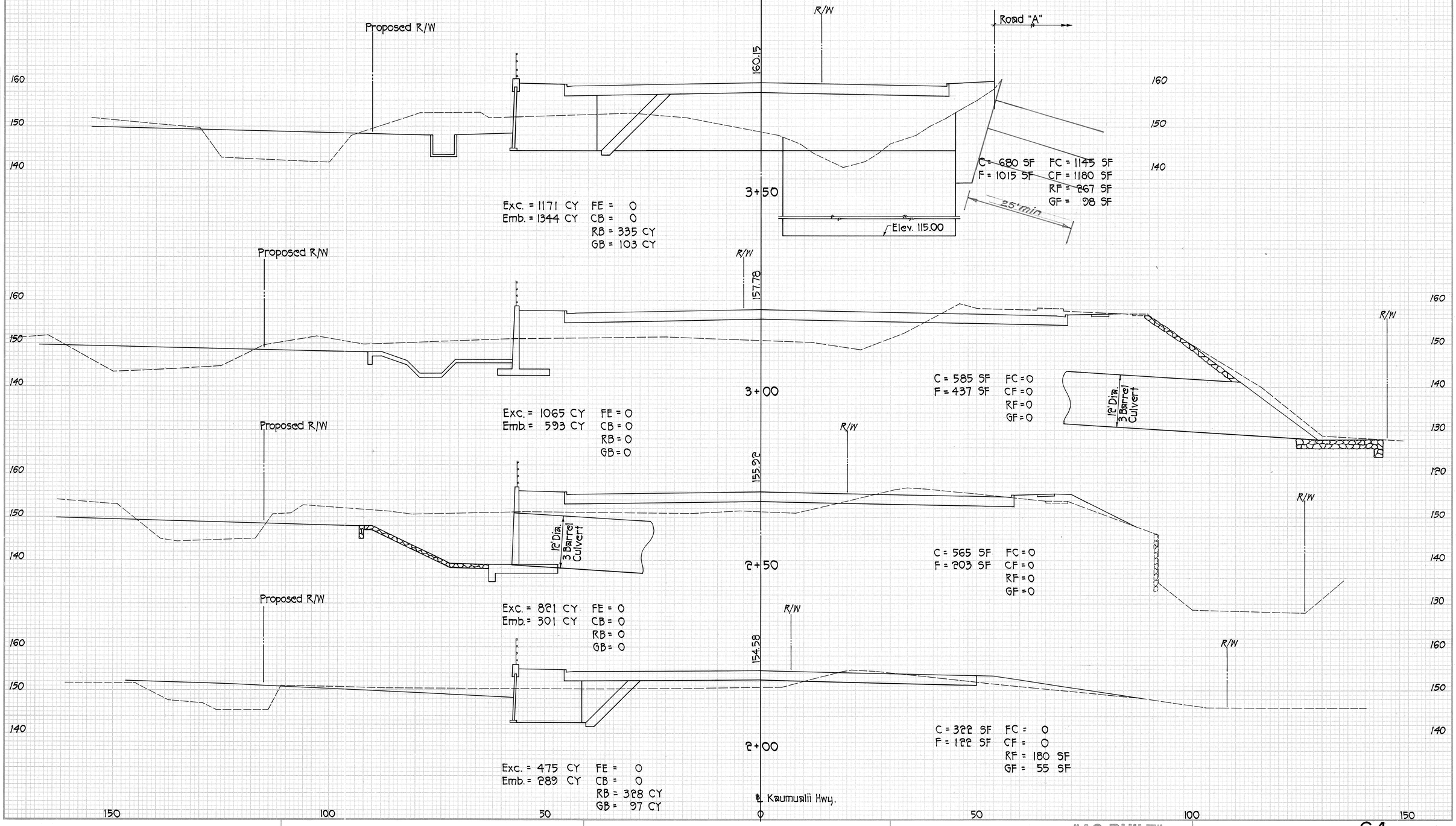
"AS-BUILT"

84732

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	50E-01-98	1998	64	79

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		



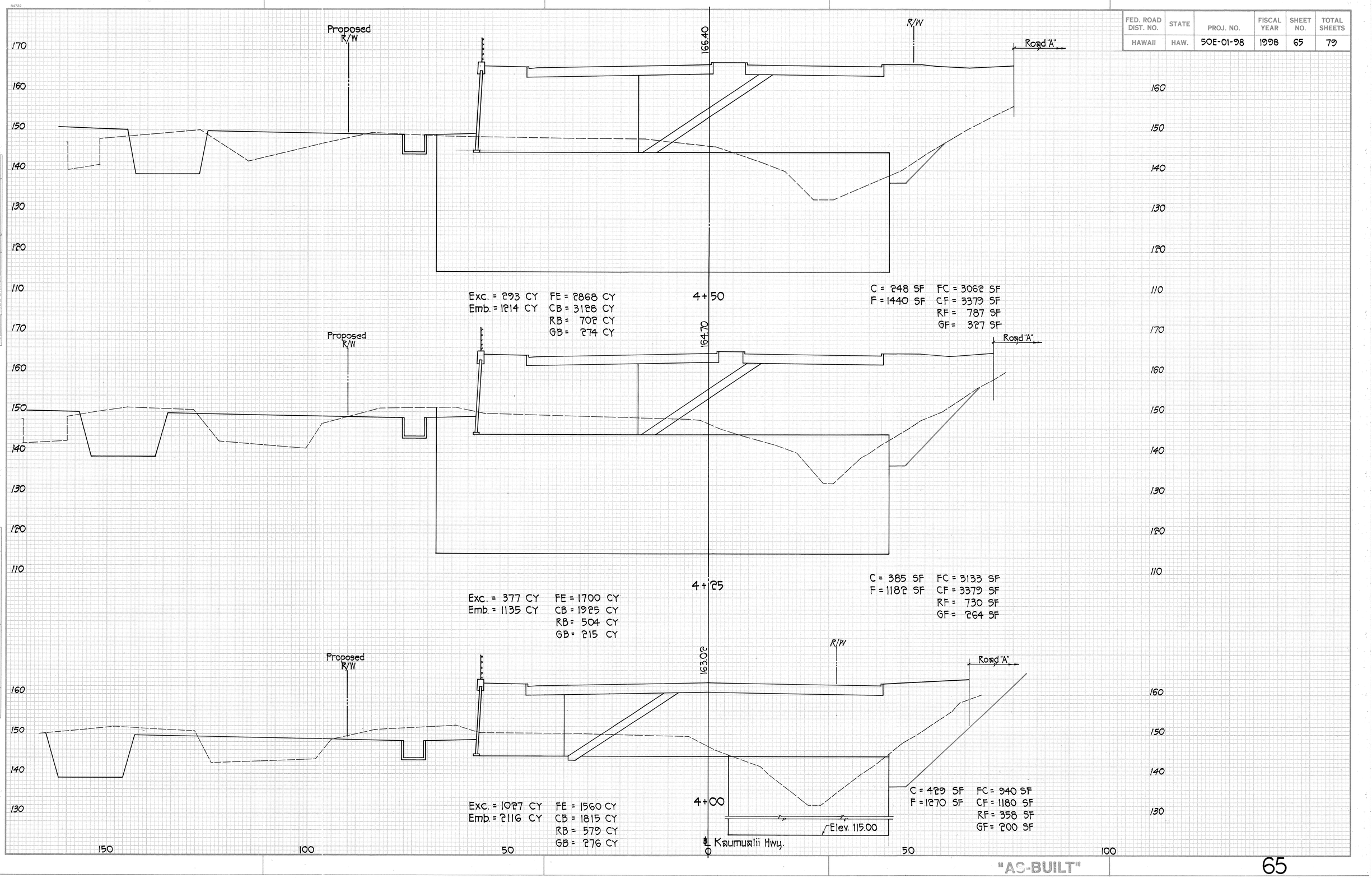
"AS-BUILT"

84732

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	50E-01-98	1998	65	79

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

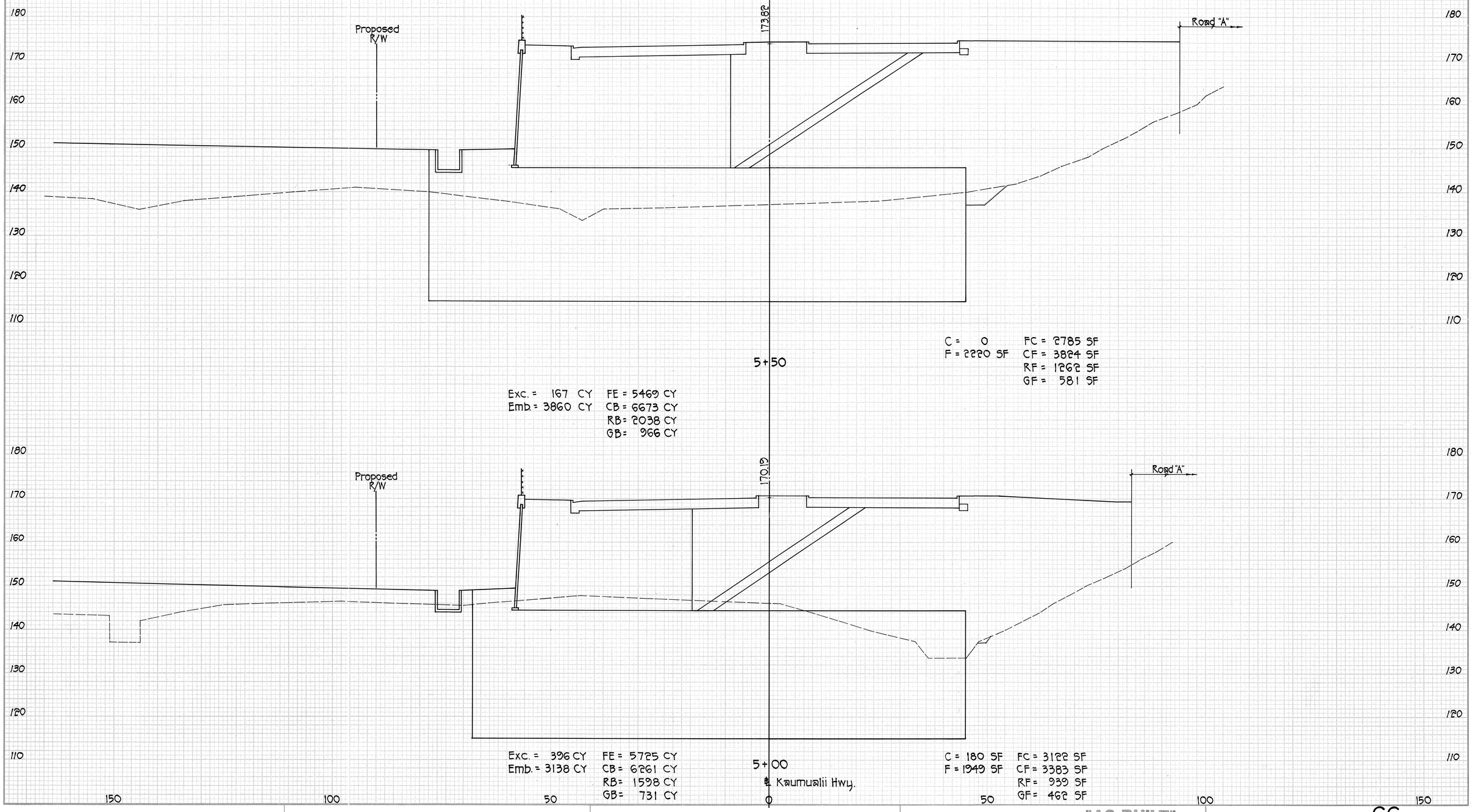


"AS-BUILT"

84732

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	30E-01-98	1998	66	79

FINAL SURVEY
NOTE BOOK
NO.
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
BY
DATE



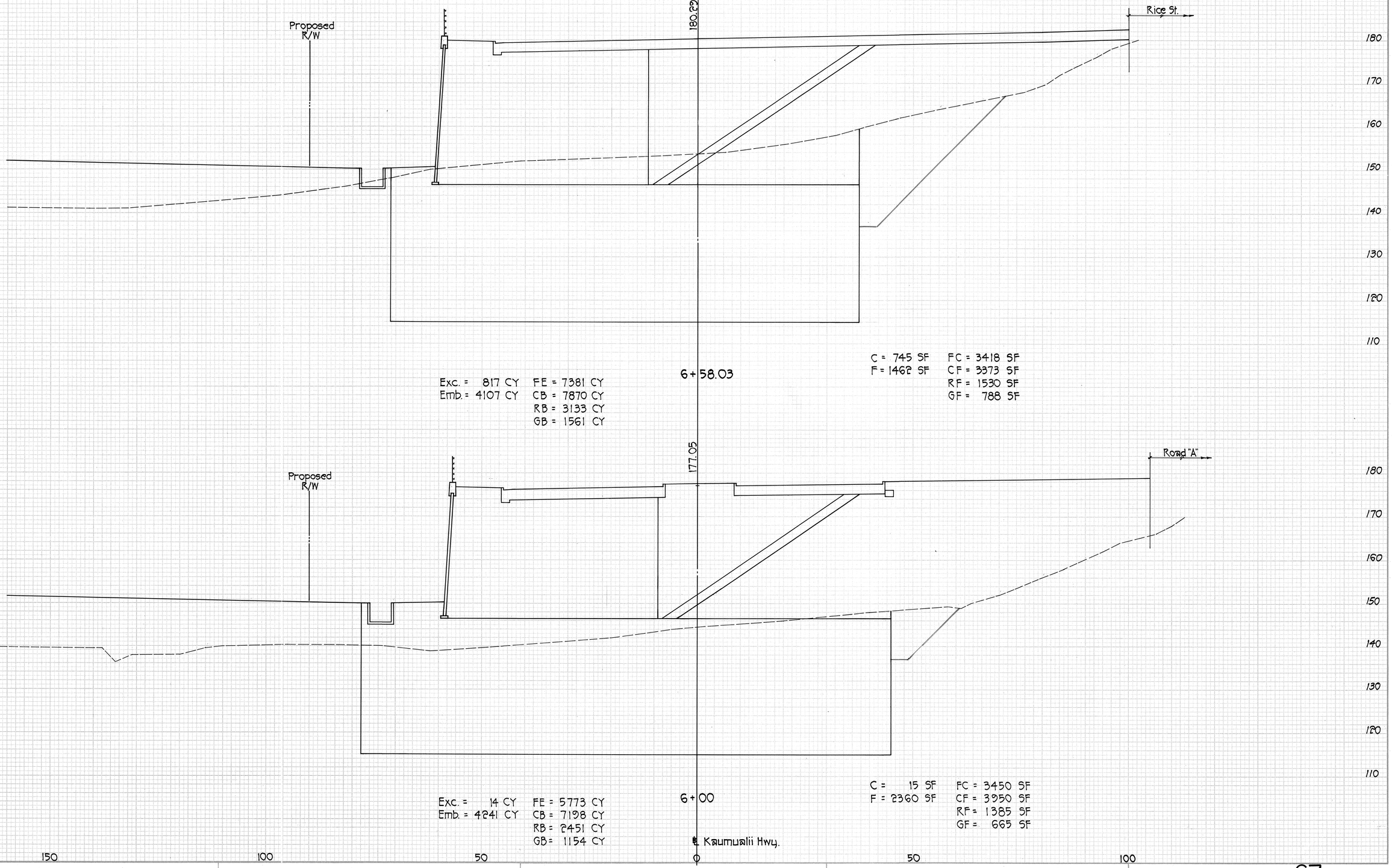
ORIGINAL SURVEY
NOTE BOOK
NO.
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
BY
DATE

"AS-BUILT"

84732

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	50E-01-98	1998	67	79

FINAL SURVEY — NOTE BOOK NO. — SURVEYED. PLOTTED. TEMPLATE. AREAS. AREAS CHECKED. — BY — DATE



ORIGINAL SURVEY — NOTE BOOK NO. — SURVEYED. PLOTTED. TEMPLATE. AREAS. AREAS CHECKED. — BY — DATE

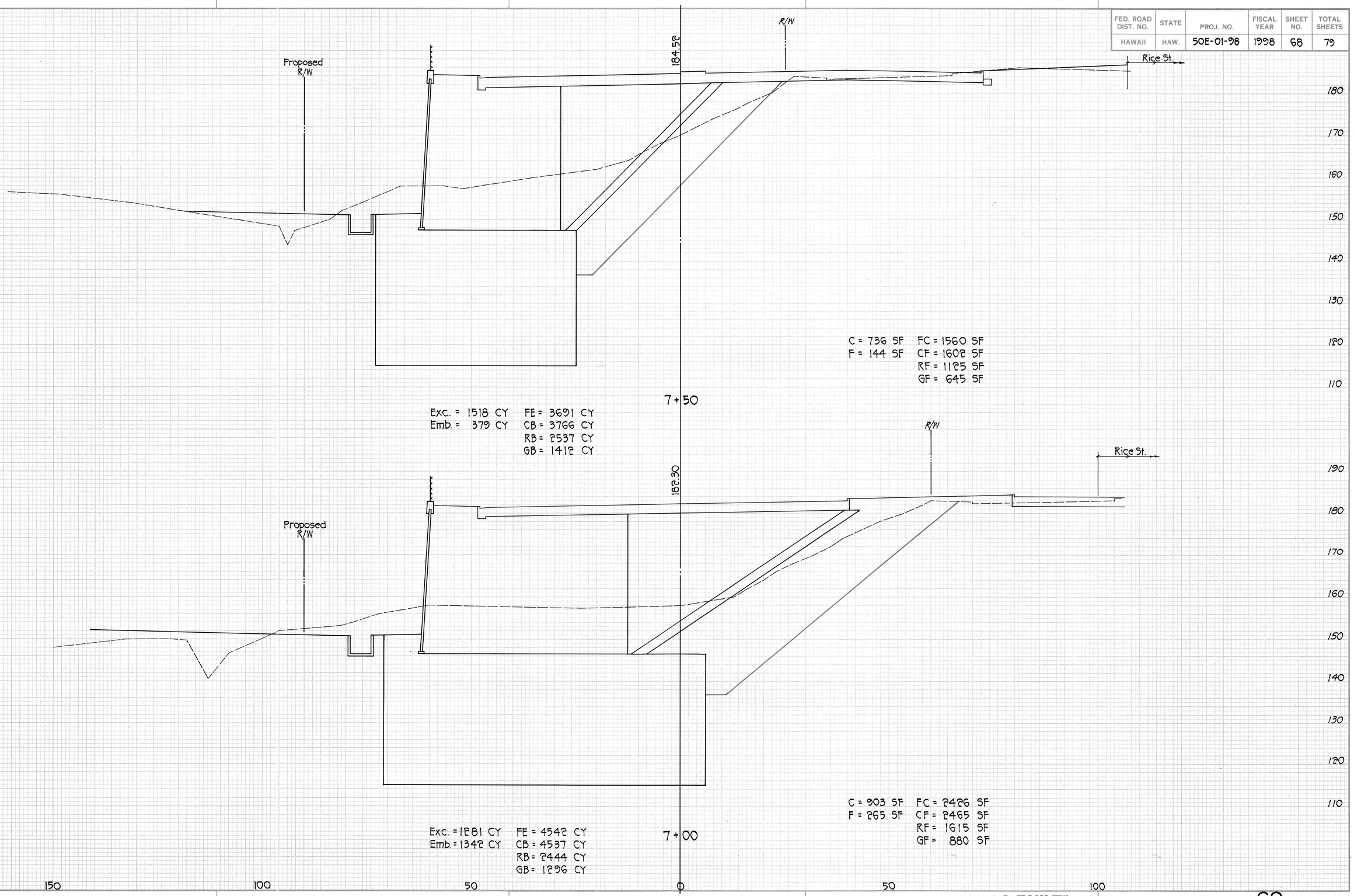
"AS-BUILT"

84732

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	50E-01-98	1998	68	79

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

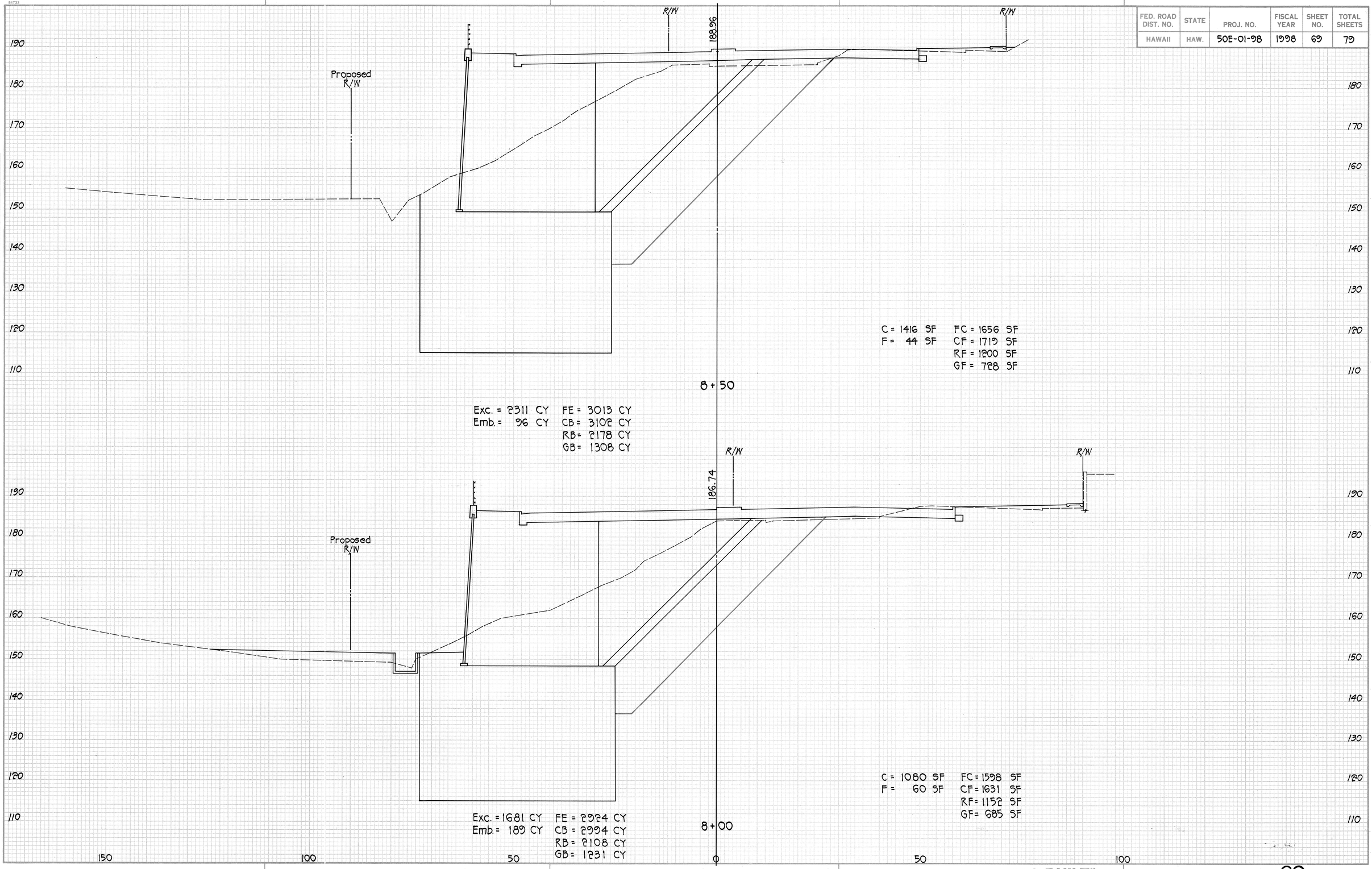


"AS-BUILT"

84732

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	50E-01-98	1998	69	79

FINAL SURVEY — NOTE BOOK — NO — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE



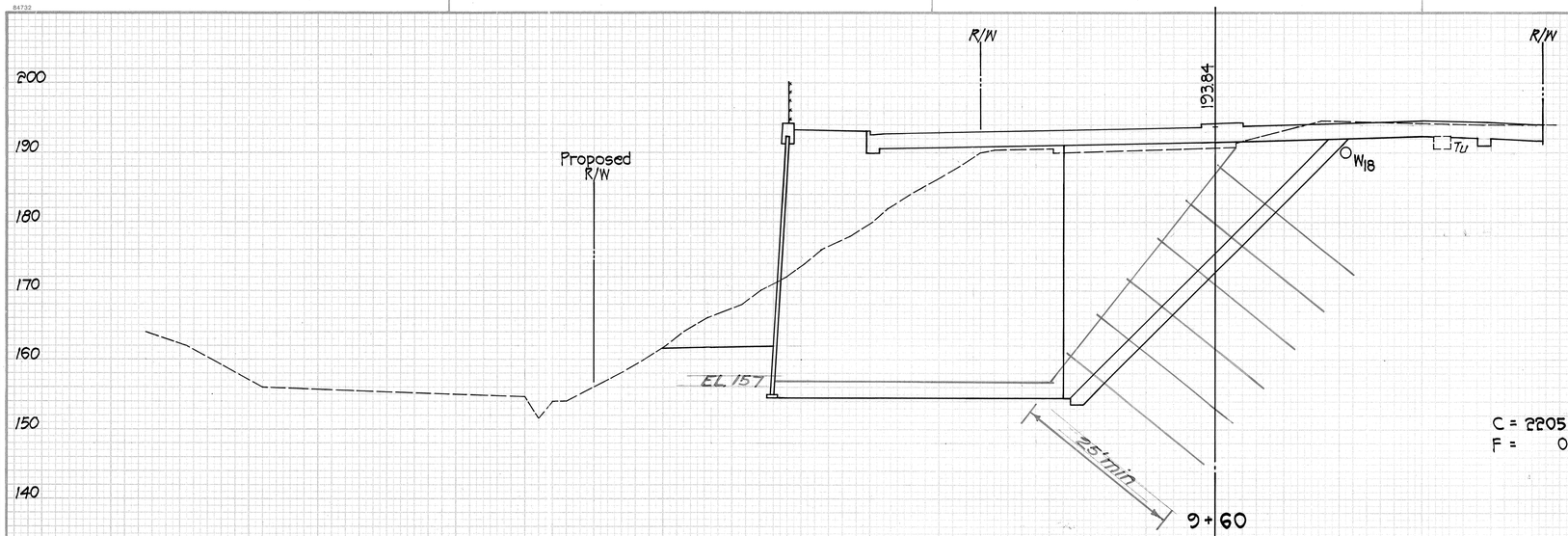
ORIGINAL SURVEY — NOTE BOOK — NO — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

"AS-BUILT"

84732

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	50E-01-98	1998	70	79

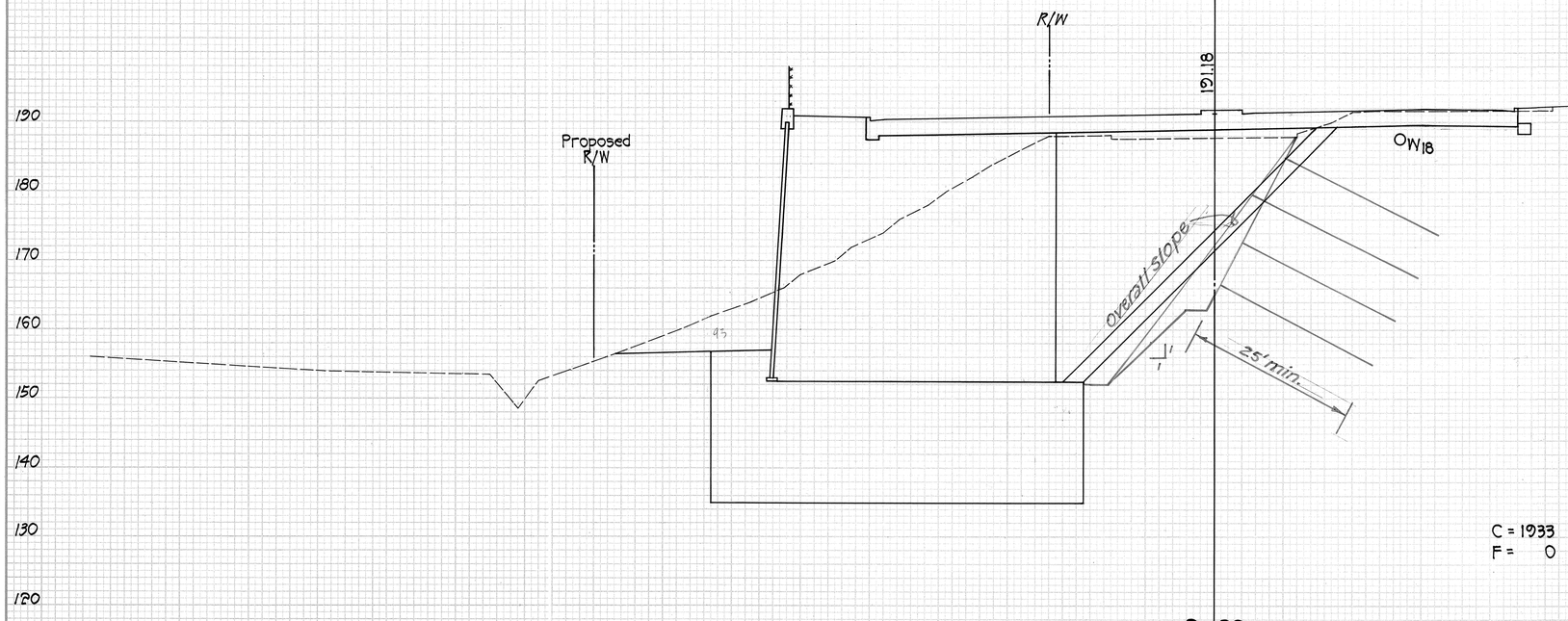
FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE



C = 2205 SF FC = 0
F = 0 CF = 0
RF = 1530 SF
GF = 723 SF

Exc. = 4597 CY FE = 1044 CY
Emb. = 0 CB = 1084 CY
RB = 3383 CY
GB = 1581 CY

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE



C = 1933 SF FC = 940 SF
F = 0 CF = 976 SF
RF = 1461 SF
GF = 700 SF

Exc. = 3100 CY FE = 2404 CY
Emb. = 41 CY CB = 2495 CY
RB = 2464 CY
GB = 1322 CY

150 100 50 0 50 100

DATE	REVISION
1/27/00	Revised Superelevation of Inbound Lanes at Sta. 9+00 & 9+60. Changed C & Exc. Qty.

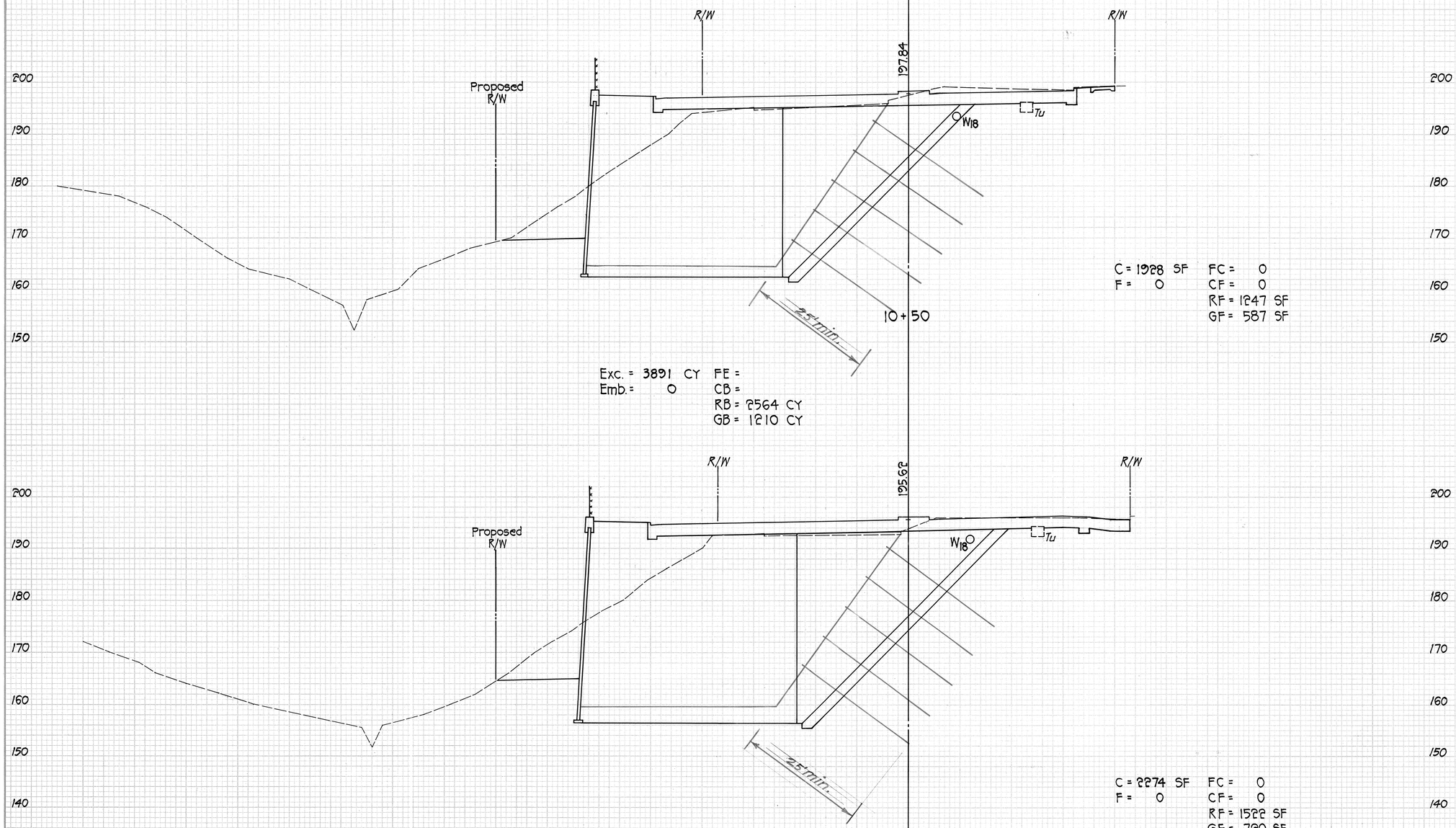
"AS-BUILT"

C.O. 70

84732

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	50E-01-98	1998	71	79

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE



C = 1928 SF FC = 0
F = 0 CF = 0
RF = 1247 SF
GF = 587 SF

Exc. = 3891 CY FE =
Emb. = 0 CB =
RB = 2564 CY
GB = 1210 CY

C = 2274 SF FC = 0
F = 0 CF = 0
RF = 1522 SF
GF = 720 SF

Exc. = 3318 CY FE = 0
Emb. = 0 CB = 0
RB = 2261 SF
GB = 1069 SF

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

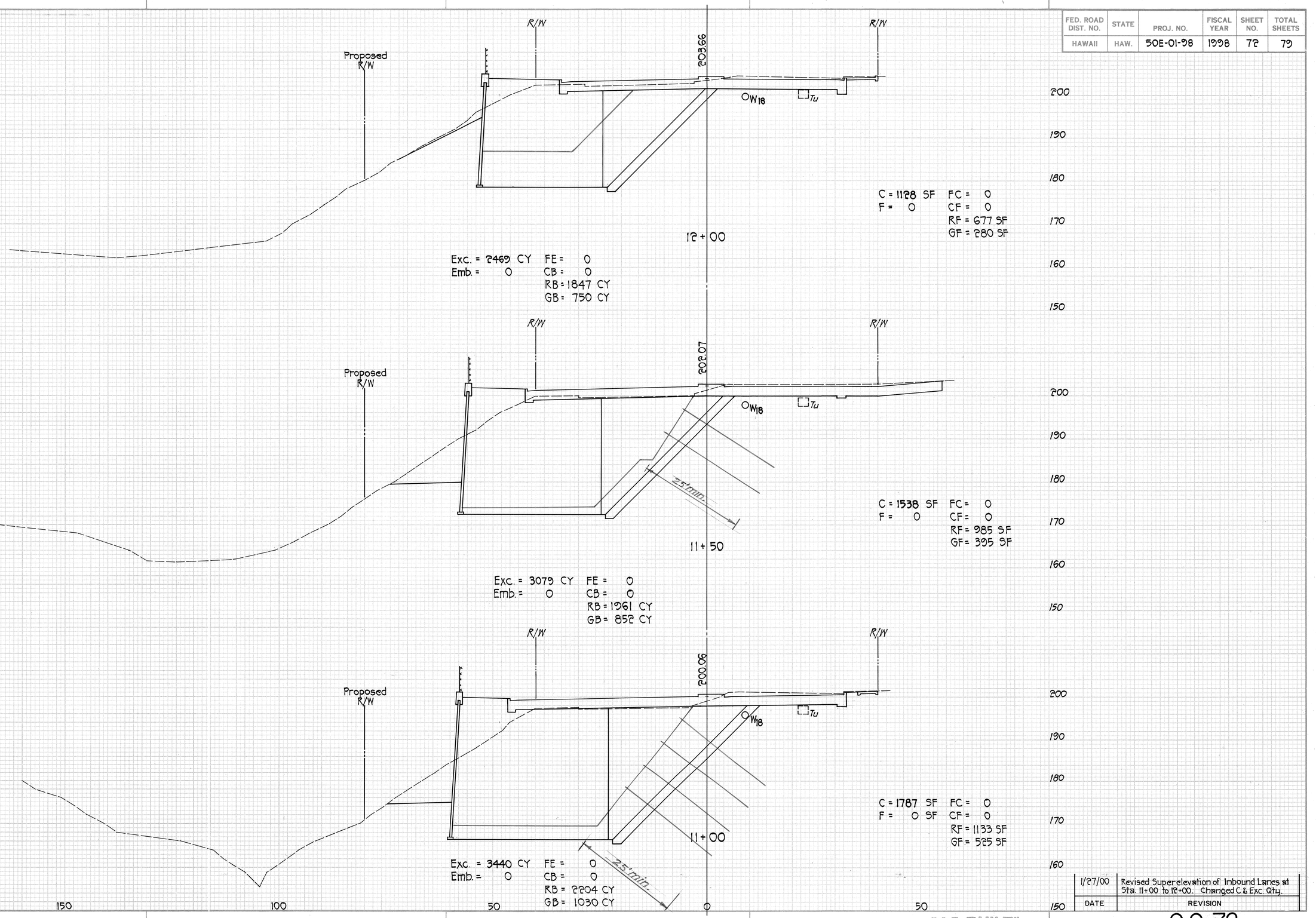
DATE	REVISION
1/27/00	Revised Superelevation of Inbound Lanes at Sta. 10+00 & 10+50. Changed C & Exc. Qty.

"AS-BUILT"

C.O. 71

84732

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	50E-01-98	1998	72	79



FINAL SURVEY — NOTE BOOK NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

DATE	REVISION
1/27/00	Revised Superelevation of Inbound Lanes at Sta. 11+00 to 12+00. Changed C & Exc. Qty.

"AS-BUILT"

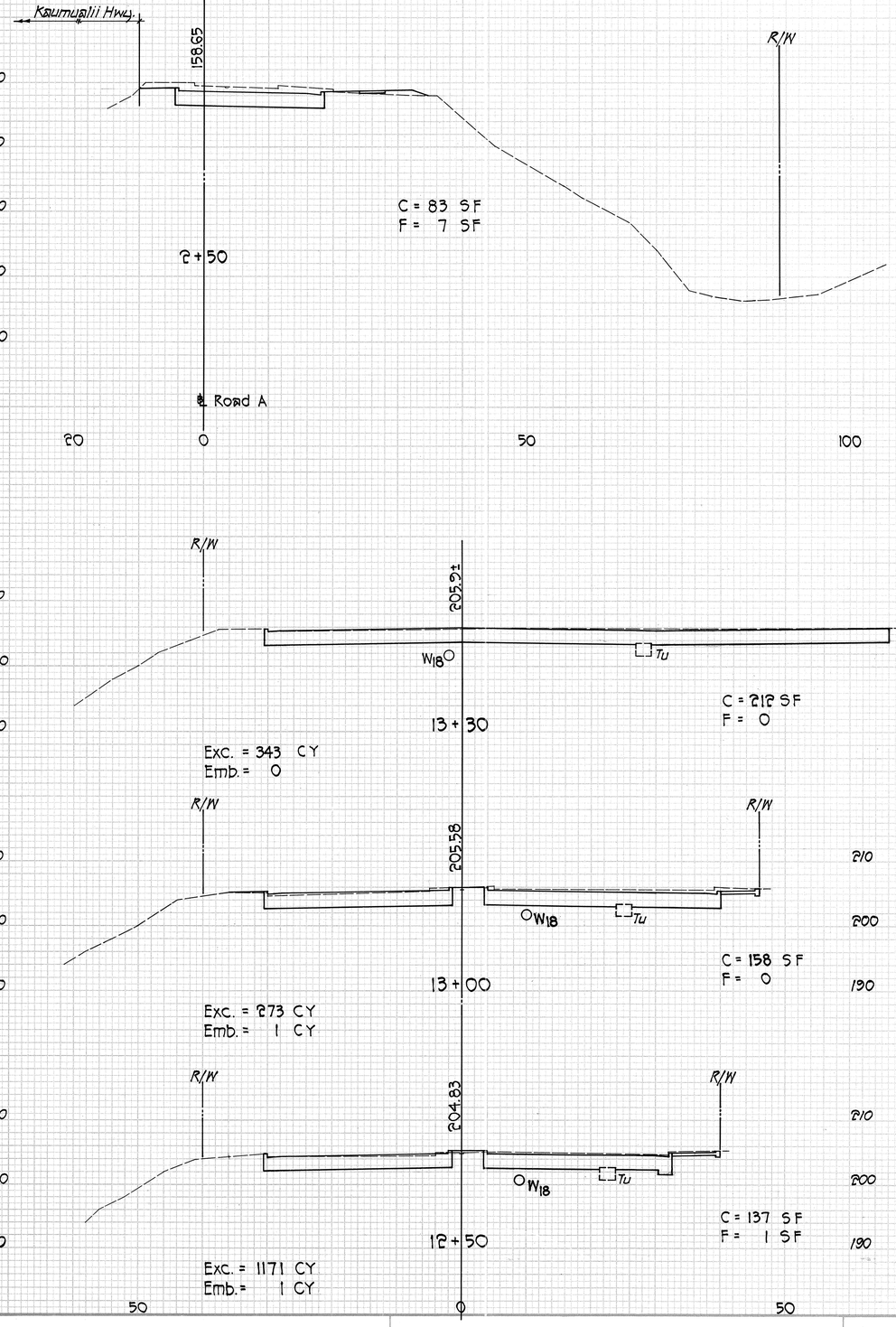
C.O. 72

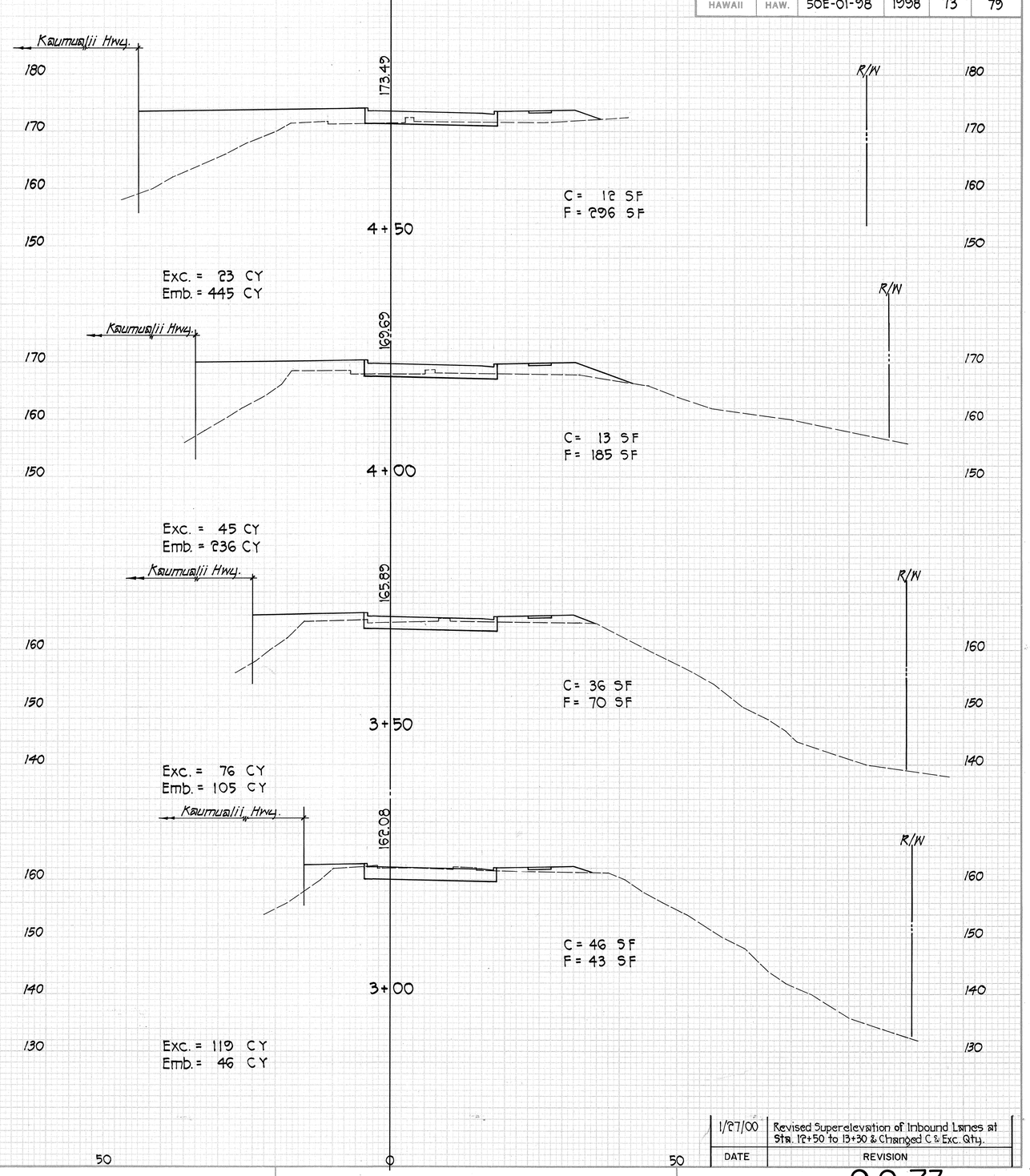
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	50E-01-98	1998	73	79

84732

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE



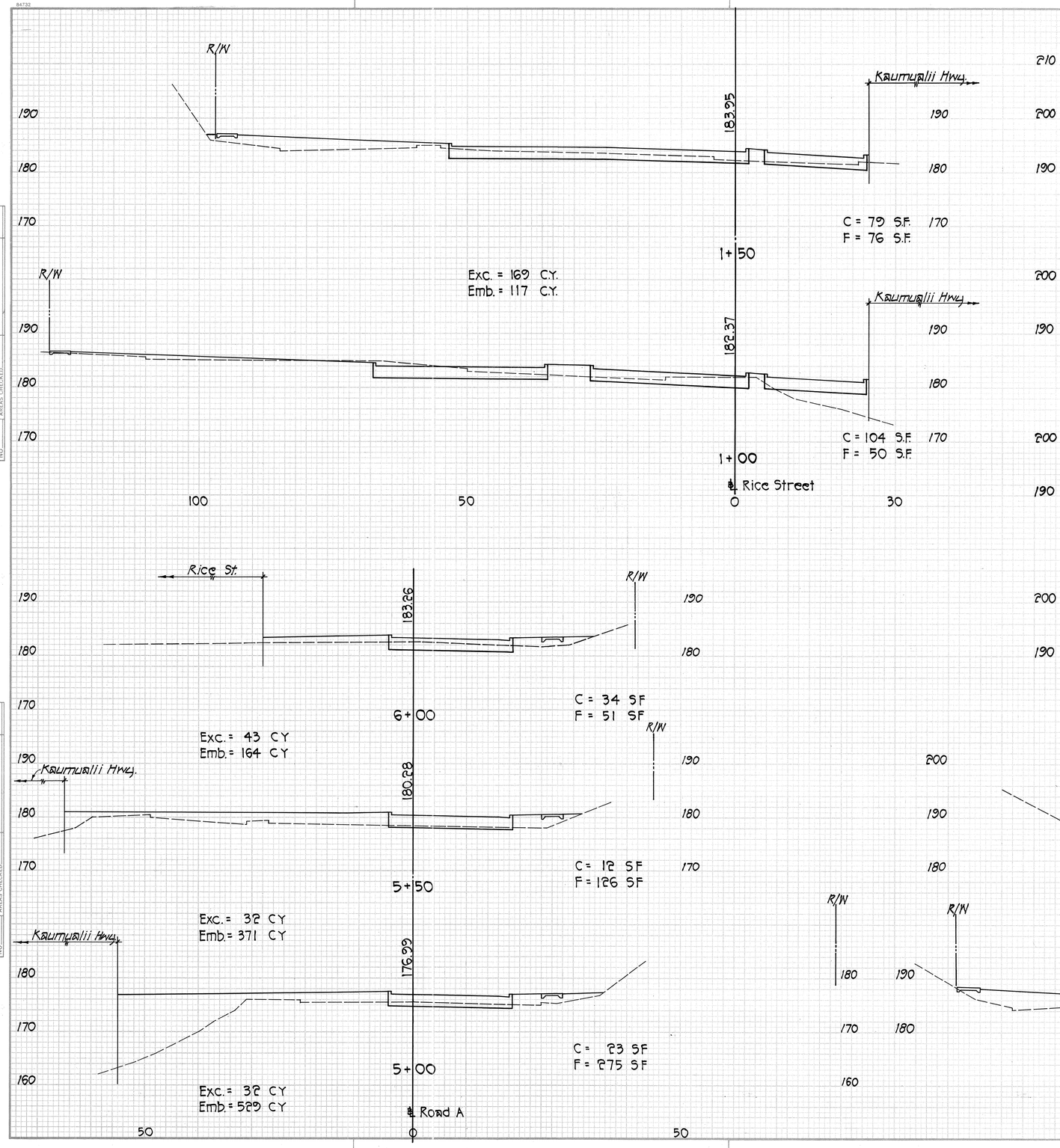


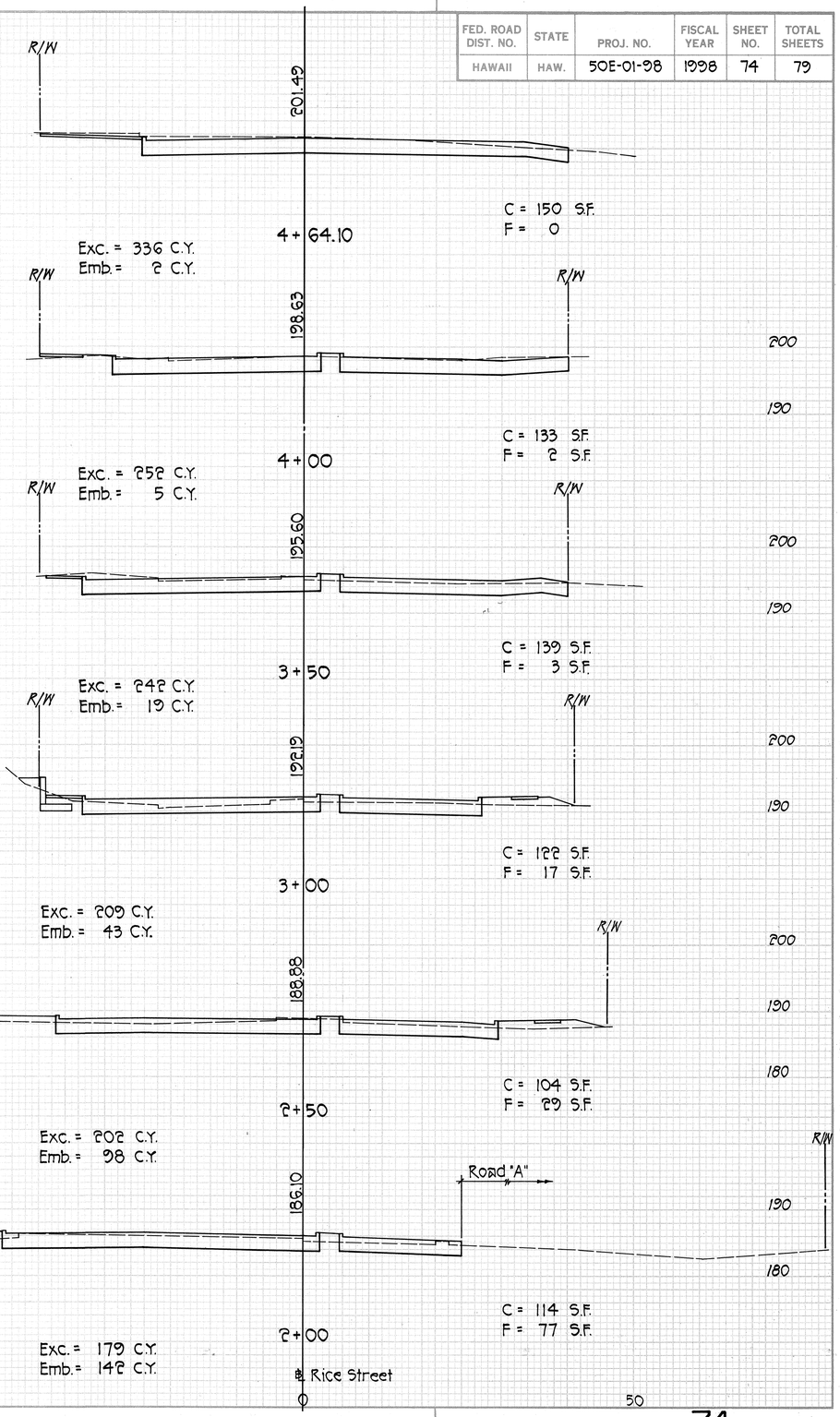
DATE	REVISION
1/27/00	Revised Superelevation of Inbound Lanes at Sta. 12+50 to 13+30 & Changed C & Exc. Qty.

C.O. 73

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	50E-01-98	1998	74	79

FINAL SURVEY — NO. — NOTE BOOK — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE





ORIGINAL SURVEY — NO. — NOTE BOOK — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE