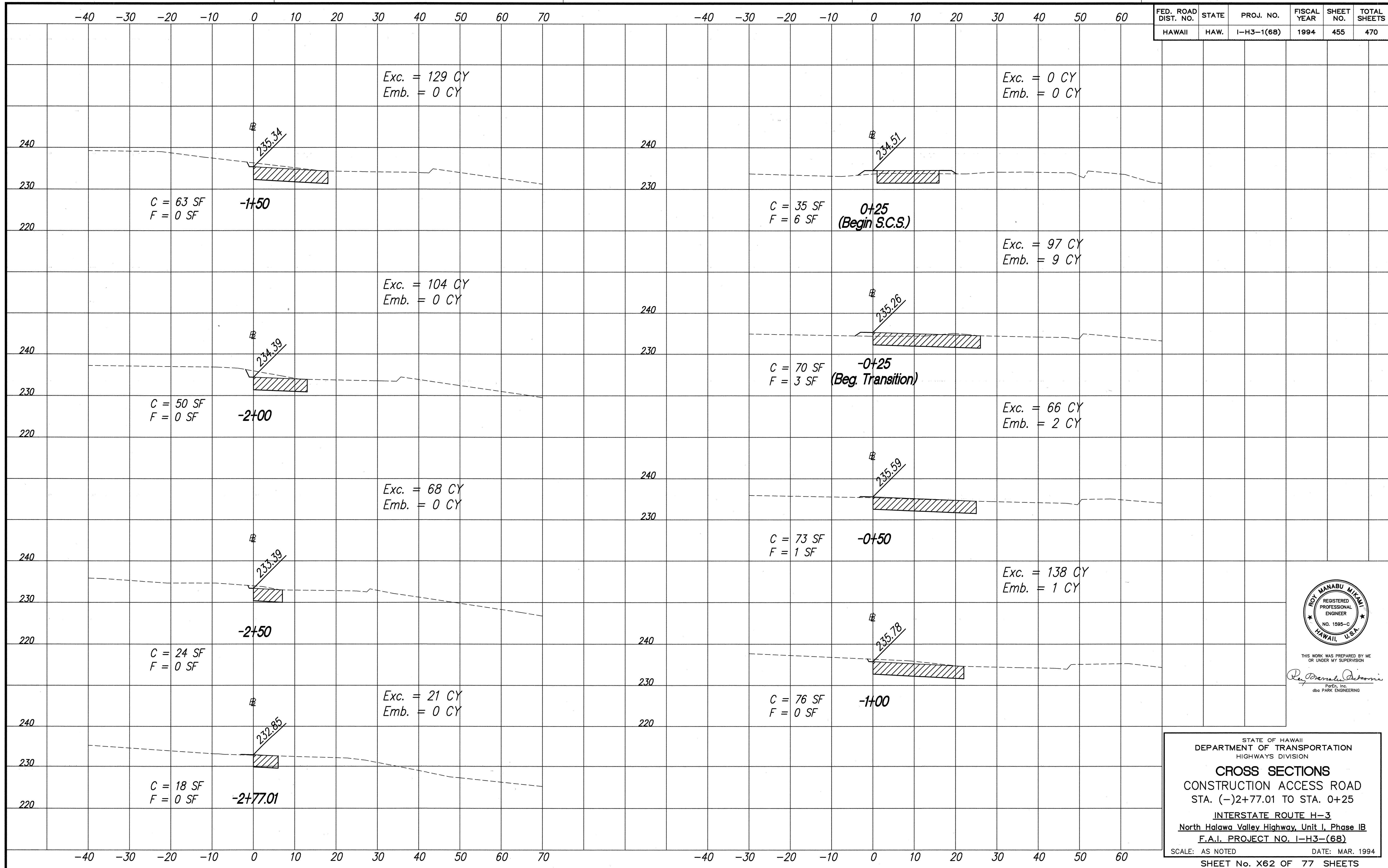
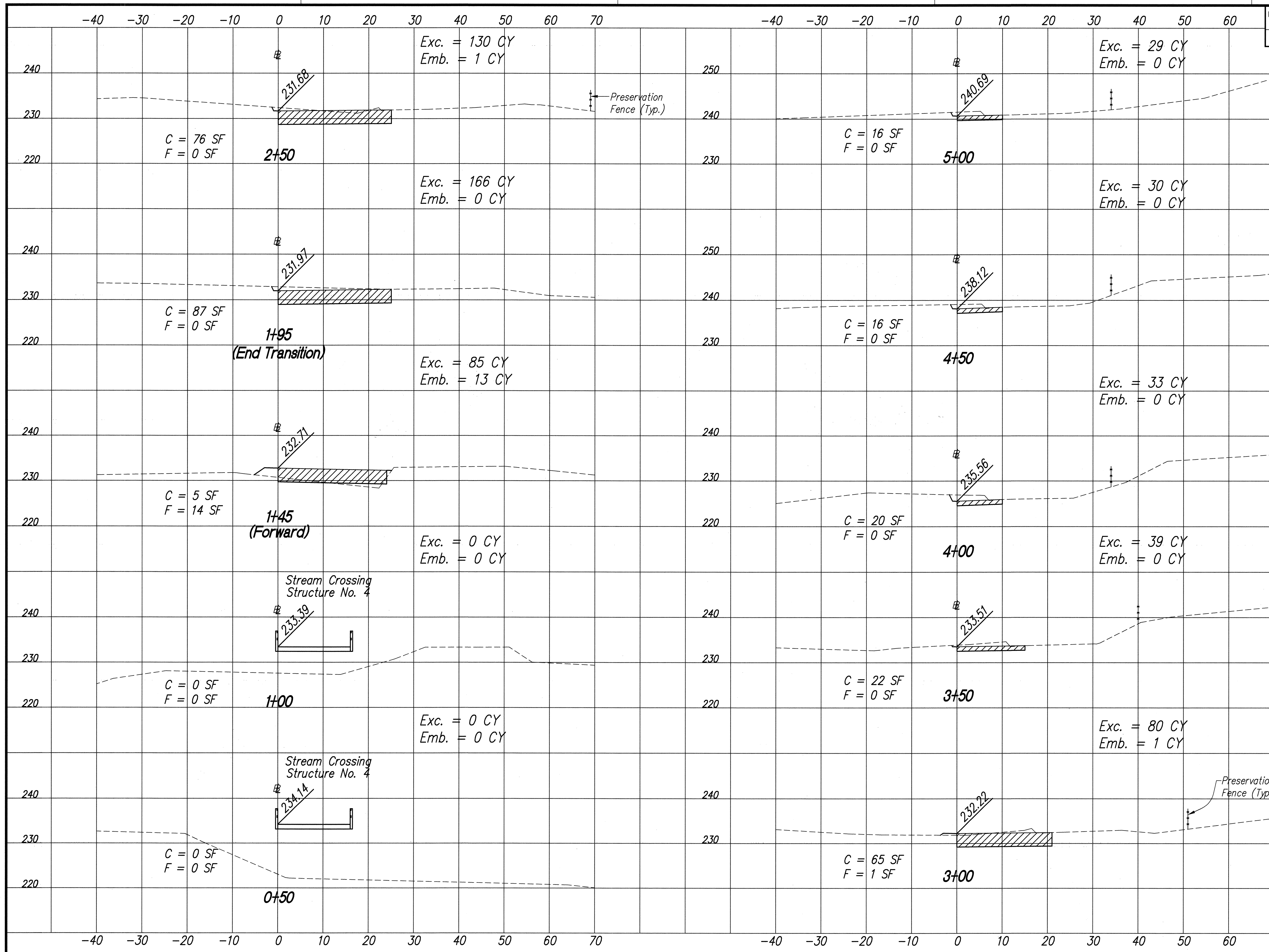


ROTATED:
BASE P1, 0.0

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



FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEET
HAWAII	HAW.	I-H3-1(68)	1994	456	470



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the PARK ENGINEERING

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DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CROSS SECTIONS

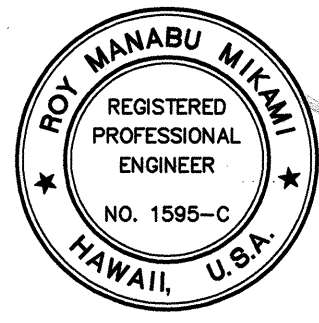
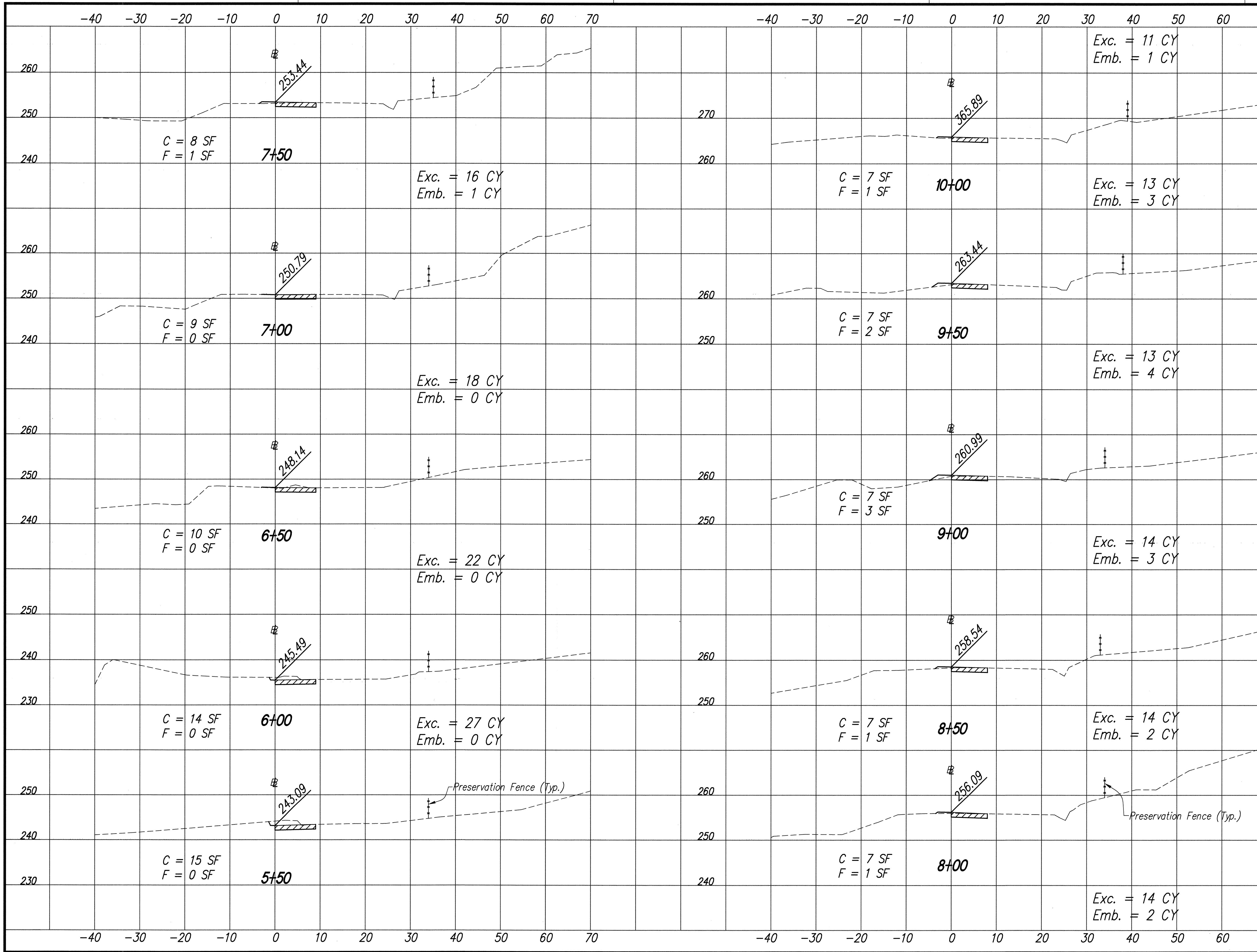
CONSTRUCTION ACCESS ROAD
STA. 0+50 TO STA. 5+00

INTERSTATE ROUTE H-3
North Halawa Valley Highway, Unit I, Phase IB
F.A.I. PROJECT NO. I-H3-(68)

SCALE: AS NOTED DATE: MAR. 19

SHEET No. X63 OF 77 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(68)	1994	457	470



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Park Engineering, Inc.
dba PARK ENGINEERING

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DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

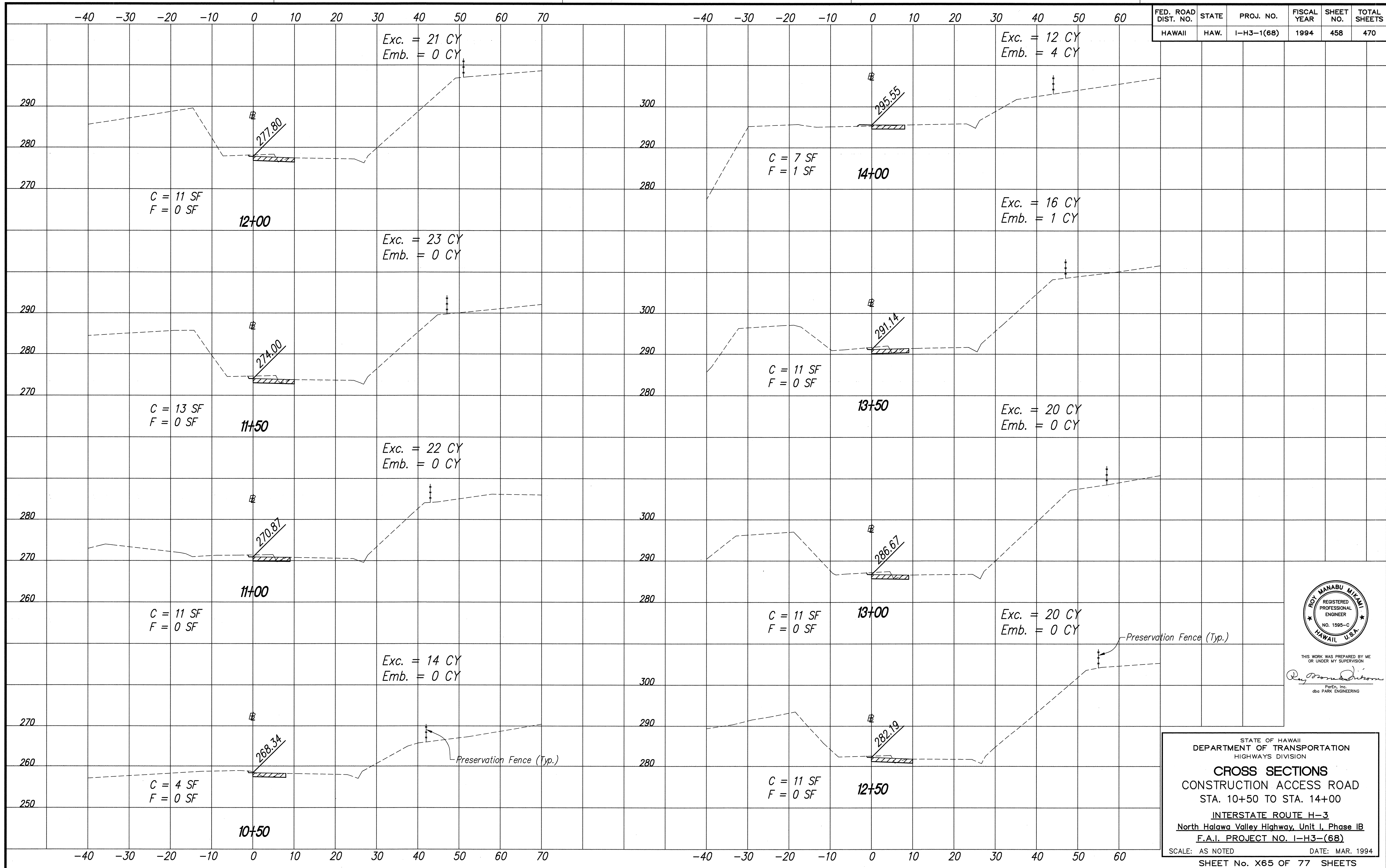
CROSS SECTIONS
CONSTRUCTION ACCESS ROAD
STA. 5+50 TO STA. 10+00

INTERSTATE ROUTE H-3
North Halawa Valley Highway, Unit I, Phase IB
F.A.I. PROJECT NO. I-H3-(68)

SCALE: AS NOTED DATE: MAR. 1994
SHEET No. X64 OF 77 SHEETS

ROTATED:
BASE PT. 0.0

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



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HIGHWAYS DIVISION
CROSS SECTIONS
CONSTRUCTION ACCESS ROAD
STA. 10+50 TO STA. 14+00
INTERSTATE ROUTE H-3
North Halawa Valley Highway, Unit I, Phase 1B
F.A.I. PROJECT NO. I-H3-(68)
SCALE: AS NOTED
DATE: MAR. 1994
SHEET No. X65 OF 77 SHEETS

LIB: STATE DOT/H-3V3039/
C446504 3/21/94 GAI

Left Diagram Data:

Station	Exc. (CY)	Emb. (CY)	C (SF)	F (SF)	Slope
14+50	7	3	7	3	299.31
15+00	9	2	9	2	302.27
15+50	8	1	8	1	304.44
16+00	4	0	4	0	305.81

Right Diagram Data:

Station	Exc. (CY)	Emb. (CY)	C (SF)	F (SF)	Slope
16+50	1	0	1	0	306.38
17+00	1	0	1	0	306.16
17+50	4	7	4	7	305.28
18+00	8	1	8	1	304.34



ROY MANABU MIYAMI
REGISTERED
PROFESSIONAL
ENGINEER
NO. 1595-C
HAWAII, U.S.A.

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dba PARK ENGINEERING

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HIGHWAYS DIVISION

CROSS SECTIONS

CONSTRUCTION ACCESS ROAD
STA. 14+50 TO STA. 18+00

INTERSTATE ROUTE H-3
North Halawa Valley Highway, Unit I, Phase IB
F.A.I. PROJECT NO. I-H3-(68)

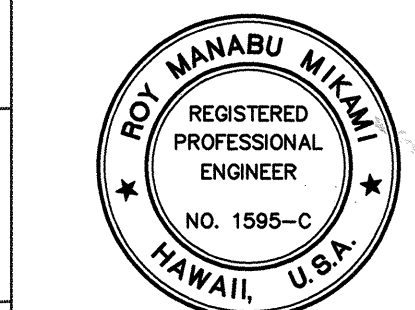
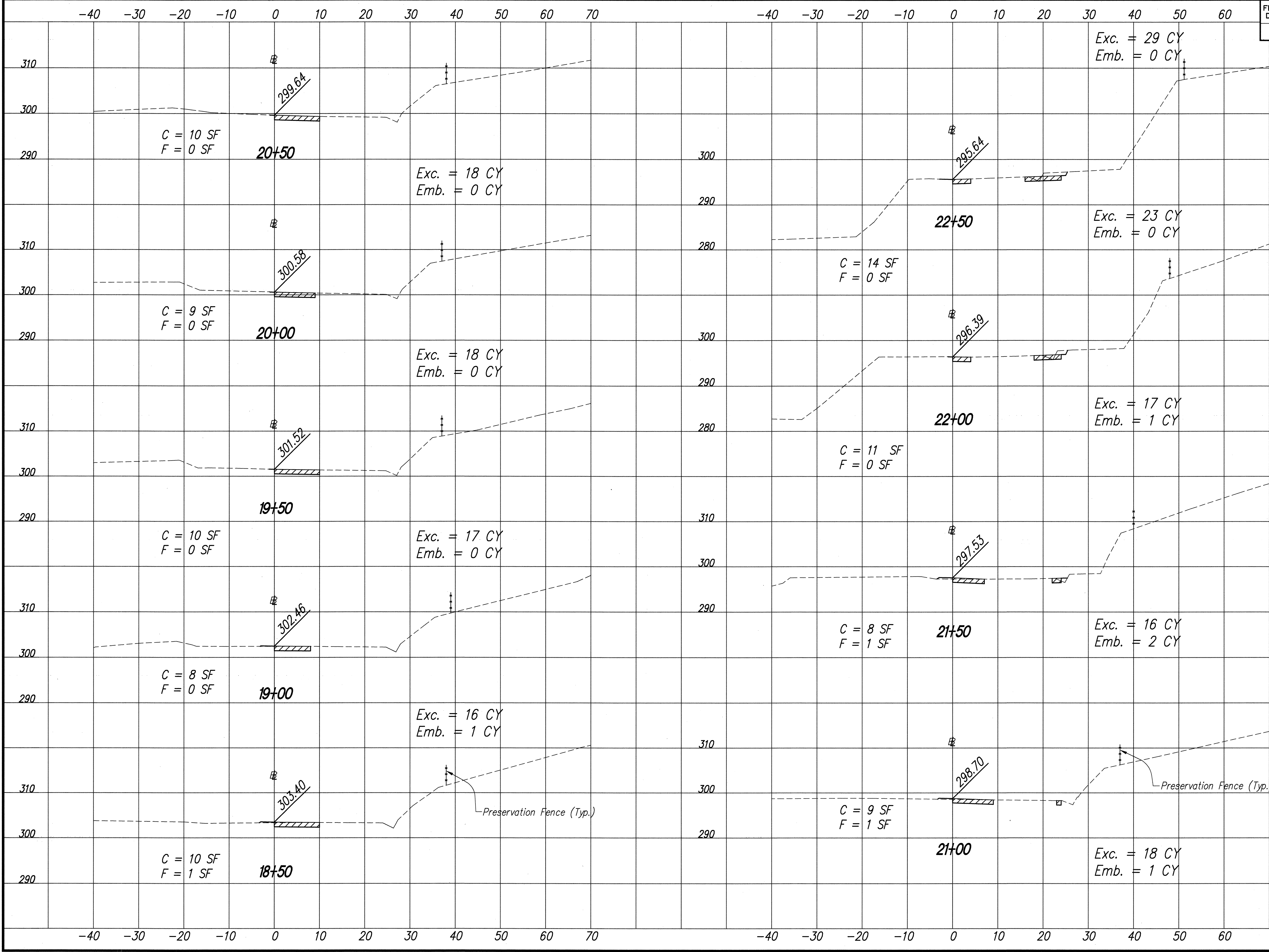
SCALE: AS NOTED DATE: MAR. 1994

SHEET No. X66 OF 77 SHEETS

ROTATED: 0,0
BASE PT. 0,0

LIB: STATE\DOT\H-3\H3030\
CAR5BX05 3/21/94 GKI

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(68)	1994	460	470



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HIGHWAYS DIVISION

CROSS SECTIONS
CONSTRUCTION ACCESS ROAD
STA. 18+50 TO STA. 22+50
INTERSTATE ROUTE H-3
North Halawa Valley Highway, Unit I, Phase 1B
F.A.I. PROJECT NO. I-H3-(68)

SCALE: AS NOTED DATE: MAR. 1994
SHEET No. X67 OF 77 SHEETS

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

ROTATED: BASE P1, 0.0

LIB: STATE\DOT\H-3\H3030\ CARB006 3/21/94 GDI

The image displays two cross-section diagrams for a road project, labeled 'Left' and 'Right'. Each diagram is plotted on a grid with stationing along the horizontal axis and elevation in feet along the vertical axis.

Left Diagram:

- Stationing:** -40 to 70.
- Elevation:** 280 to 310 feet.
- Key Points and Elevation Data:**
 - Station 23+00: Elevation 295.36
 - Station 23+50: Elevation 295.56
 - Station 24+00: Elevation 296.24
 - Station 24+50: Elevation 297.30
 - Station 25+00: Elevation 298.24
- Excavation and Embankment Data:**
 - Station 23+00: Exc. = 17 CY, Emb. = 0 CY
 - Station 23+50: Exc. = 31 CY, Emb. = 1 CY
 - Station 24+00: Exc. = 33 CY, Emb. = 1 CY
 - Station 24+50: Exc. = 32 CY, Emb. = 0 CY
 - Station 25+00: Exc. = 25 CY, Emb. = 0 CY
 - Station 25+00 (Right): Exc. = 19 CY, Emb. = 2 CY
- Other Data:**
 - Station 23+00: C = 17 SF, F = 0 SF
 - Station 23+50: C = 16 SF, F = 1 SF
 - Station 24+00: C = 20 SF, F = 0 SF
 - Station 24+50: C = 14 SF, F = 0 SF
 - Station 25+00: C = 12 SF, F = 0 SF
- Notes:** A 'Preservation Fence (Typ.)' is indicated near station 23+50.

Right Diagram:

- Stationing:** -40 to 60.
- Elevation:** 280 to 310 feet.
- Key Points and Elevation Data:**
 - Station 25+50: Elevation 299.44
 - Station 26+00: Elevation 301.67
 - Station 26+50: Elevation 303.60
 - Station 27+00: Elevation 305.65
- Excavation and Embankment Data:**
 - Station 25+50: Exc. = 8 CY, Emb. = 2 CY
 - Station 26+00: Exc. = 11 CY, Emb. = 1 CY
 - Station 26+50: Exc. = 11 CY, Emb. = 0 SF
 - Station 27+00: Exc. = 6 CY, Emb. = 1 SF
 - Station 27+00 (Right): Exc. = 7 CY, Emb. = 1 CY
 - Station 28+00 (Right): Exc. = 16 CY, Emb. = 1 CY
 - Station 29+00 (Right): Exc. = 20 CY, Emb. = 2 CY
 - Station 30+00 (Right): Exc. = 17 CY, Emb. = 3 CY
- Other Data:**
 - Station 25+50: C = 8 SF, F = 2 SF
 - Station 26+00: C = 11 SF, F = 1 SF
 - Station 26+50: C = 11 SF, F = 0 SF
 - Station 27+00: C = 6 SF, F = 1 SF

Left

Exc. = 19 CY
Emb. = 2 CY

25+00
C = 12 SF
F = 0 SF

Exc. = 25 CY
Emb. = 0 CY

24+50
C = 14 SF
F = 0 SF

Exc. = 32 CY
Emb. = 0 CY

24+00
C = 20 SF
F = 0 SF

Exc. = 33 CY
Emb. = 1 CY

23+50
C = 16 SF
F = 1 SF

Exc. = 31 CY
Emb. = 1 CY

23+00
C = 17 SF
F = 0 SF

Preservation Fence (Typ.)

Right

Exc. = 7 CY
Emb. = 1 CY

27+00
C = 6 SF
F = 1 SF

Exc. = 16 CY
Emb. = 1 CY

26+50
C = 11 SF
F = 0 SF

Exc. = 20 CY
Emb. = 2 CY

26+00
C = 11 SF
F = 1 SF

Exc. = 17 CY
Emb. = 3 CY

25+50
C = 8 SF
F = 2 SF

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CROSS SECTIONS

CONSTRUCTION ACCESS ROAD
STA. 23+00 TO STA. 27+00

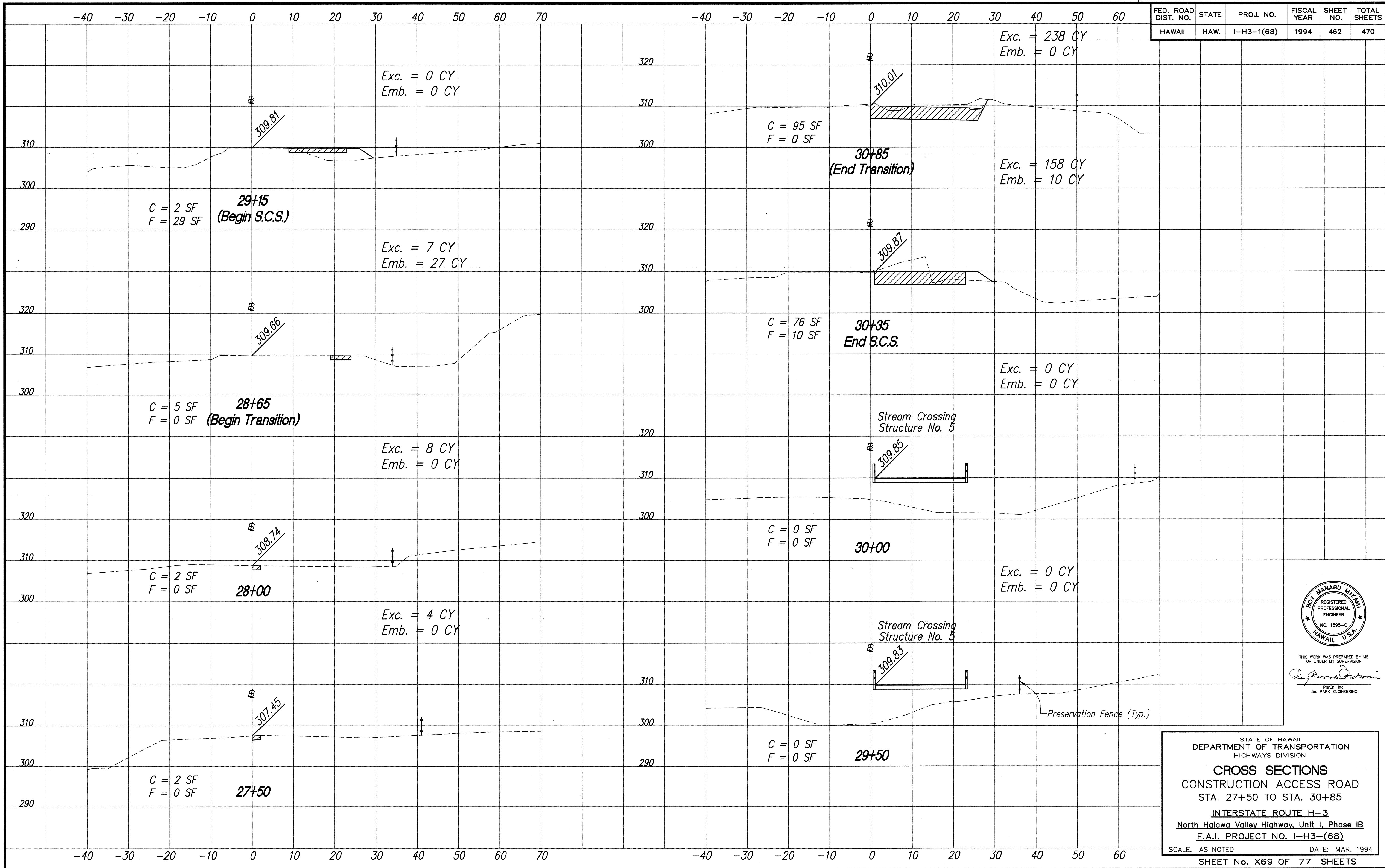
INTERSTATE ROUTE H-3
North Halawa Valley Highway, Unit I, Phase IB
F.A.I. PROJECT NO. I-H3-(68)

SCALE: AS NOTED DATE: MAR. 1994

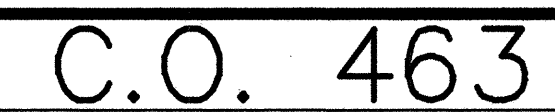
SHEET No. X68 OF 77 SHEETS

ROTATED: 0.0
BASE PT.

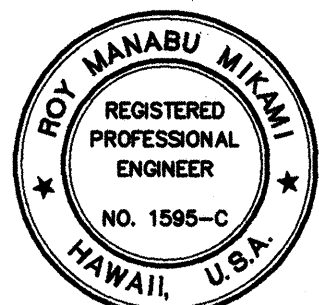
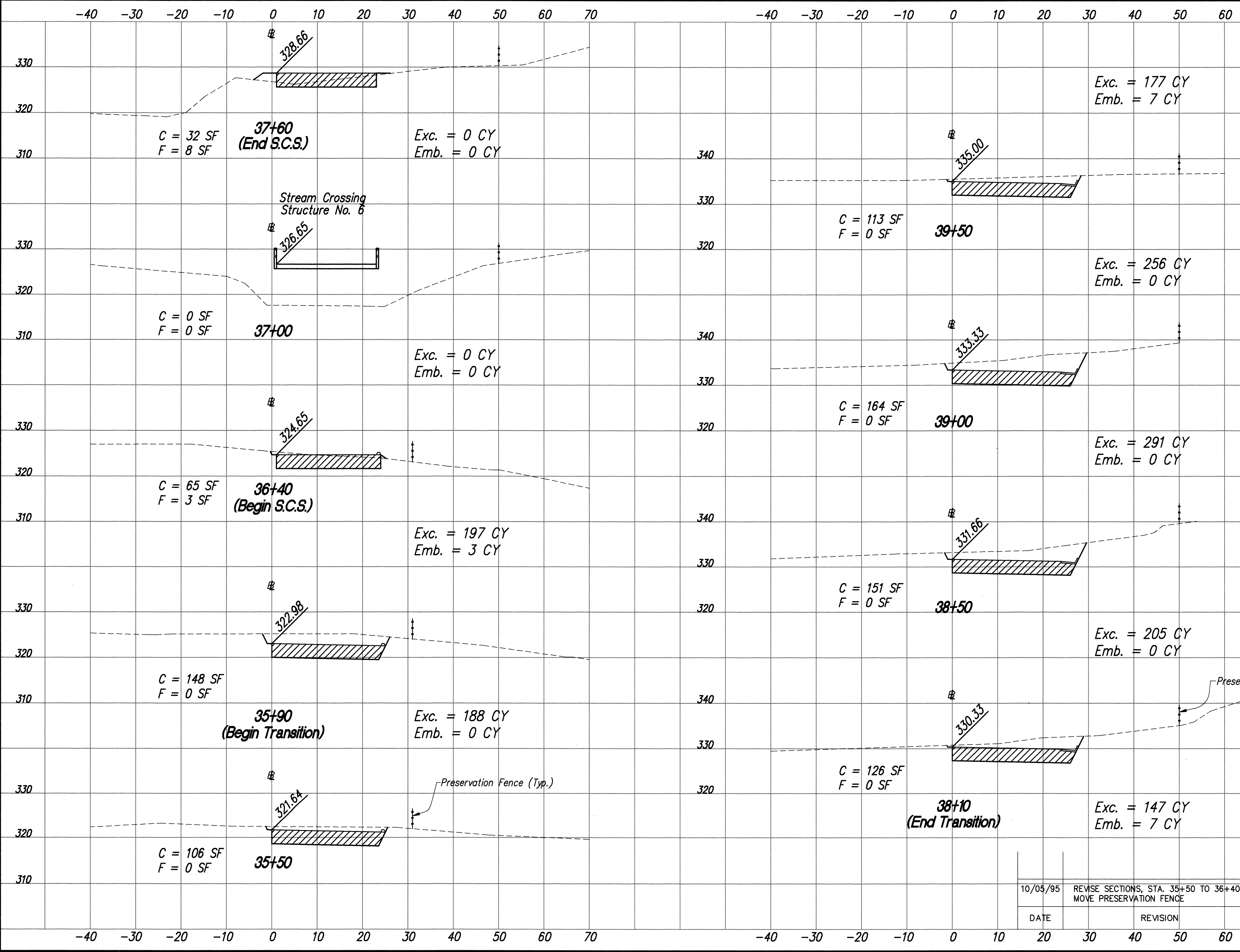
SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
CHECKED BY	
QUANTITIES BY	
NO.	



ROTATED: 0,0
BASE PT. 0,0



FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(68)	1994	464	470



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 dba PARK ENGINEERING

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

CROSS SECTIONS
 CONSTRUCTION ACCESS ROAD
 STA. 35+50 TO STA. 39+50

INTERSTATE ROUTE H-3
 North Halawa Valley Highway, Unit I, Phase 1B
 F.A.I. PROJECT NO. I-H3-(68)

SCALE: AS NOTED DATE: MAR. 1994
 SHEET No. X71 OF 77 SHEETS

C.O. 464

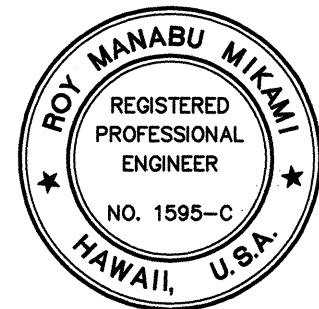
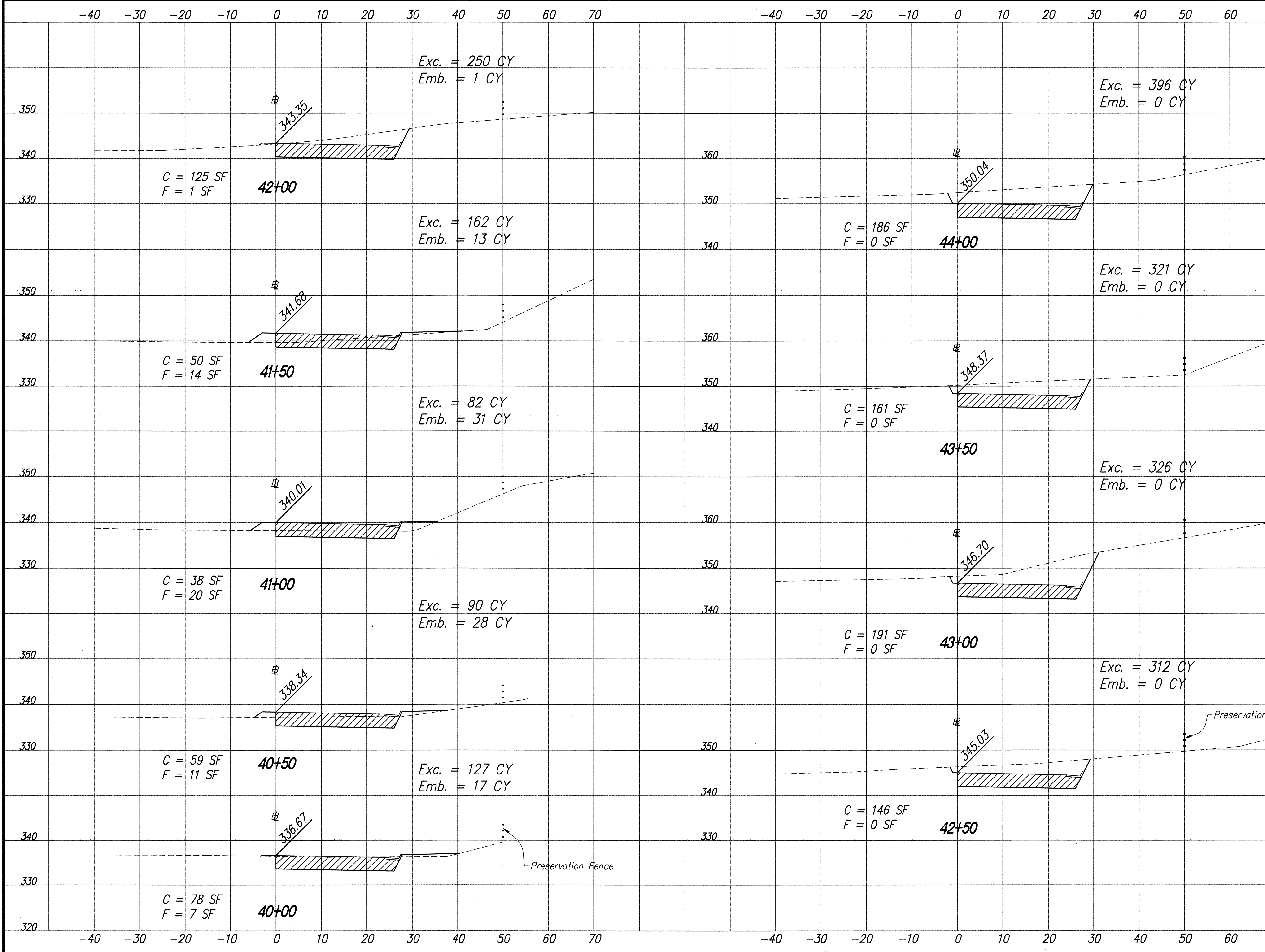
ORIGINAL PLAN	DATE
DRAWN BY	
DESIGNED BY	
NOTED BY	
CHECKED BY	
NO.	

ROTATED: BASE PT. 0.0

LIB: STATE\DOT\H-3\43039\

CO-464 10/05/95 GRI

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(68)	1994	465	470



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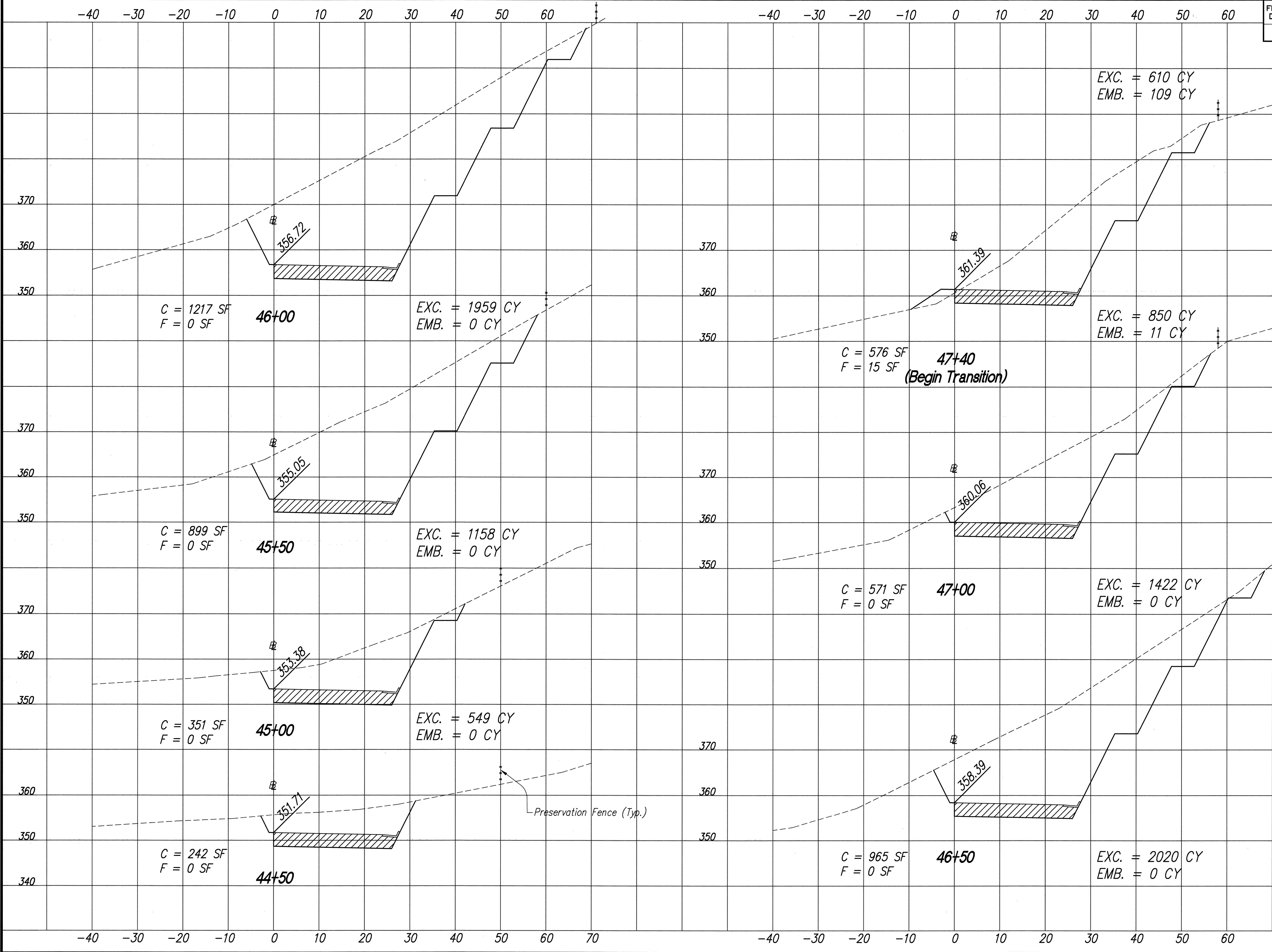
Roy Manabu Miyama
Roy Manabu Miyama, Inc.
dba PARK ENGINEERING

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HIGHWAYS DIVISION

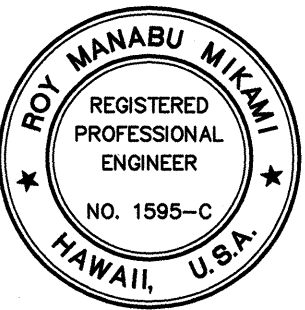
CROSS SECTIONS
CONSTRUCTION ACCESS ROAD
STA. 40+00 TO STA. 44+00
INTERSTATE ROUTE H-3
North Halawa Valley Highway, Unit I, Phase IB
F.A.I. PROJECT NO. I-H3-(68)

SCALE: AS NOTED DATE: MAR. 1994
SHEET No. X72 OF 77 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(68)	1994	466	470



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



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DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CROSS SECTIONS

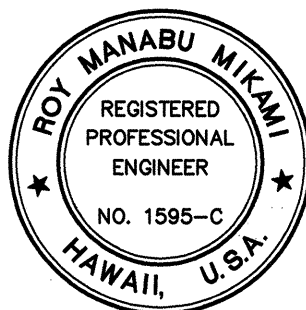
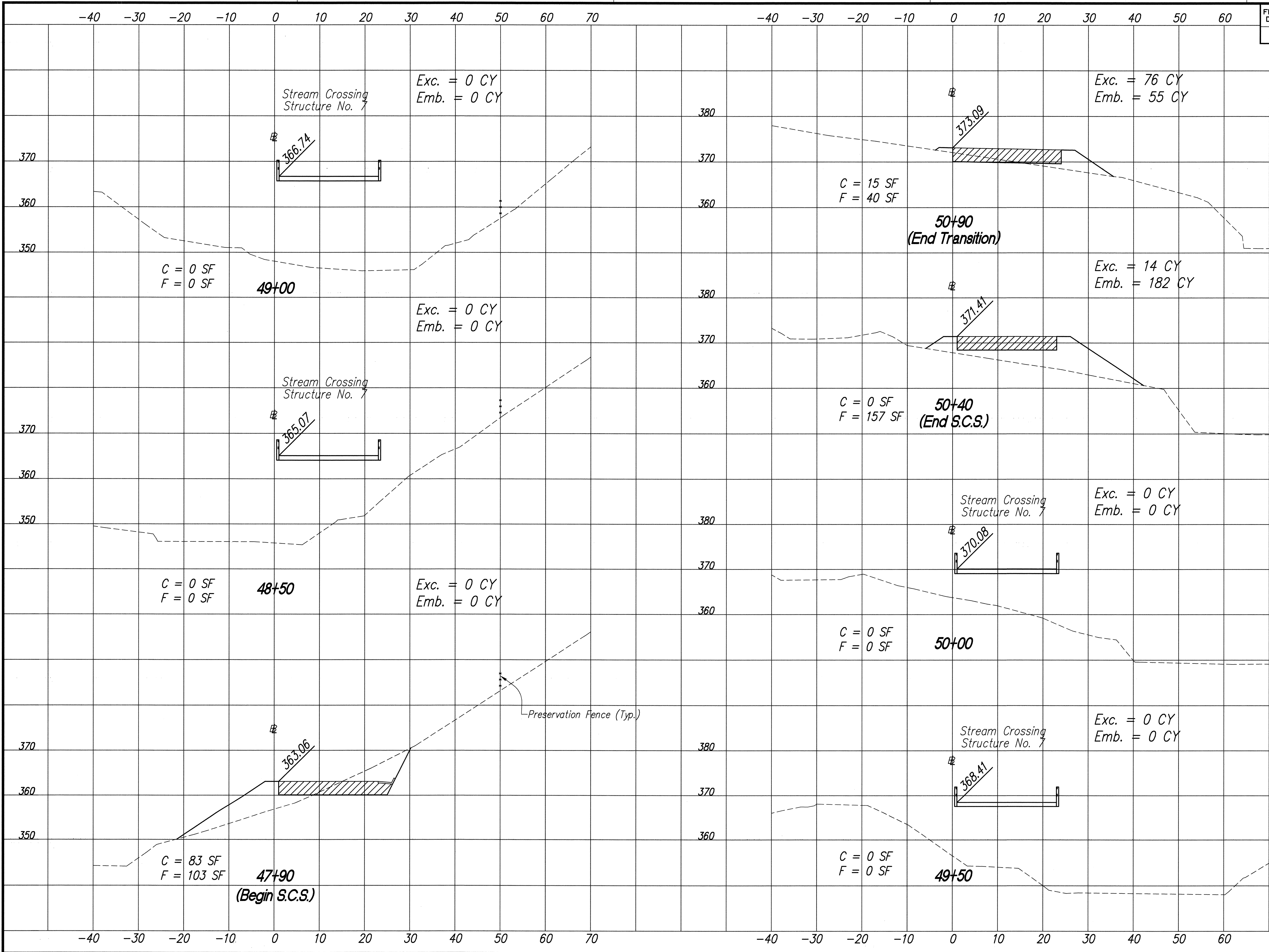
CONSTRUCTION ACCESS ROAD
STA. 44+50 TO STA. 47+40

INTERSTATE ROUTE H-3
North Halawa Valley Highway, Unit I, Phase IB
F.A.I. PROJECT NO. I-H3-(68)

SCALE: AS NOTED DATE: MAR. 1994

SHEET No. X73 OF 77 SHEETS

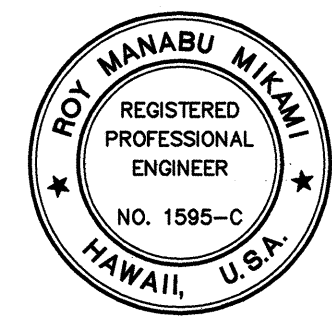
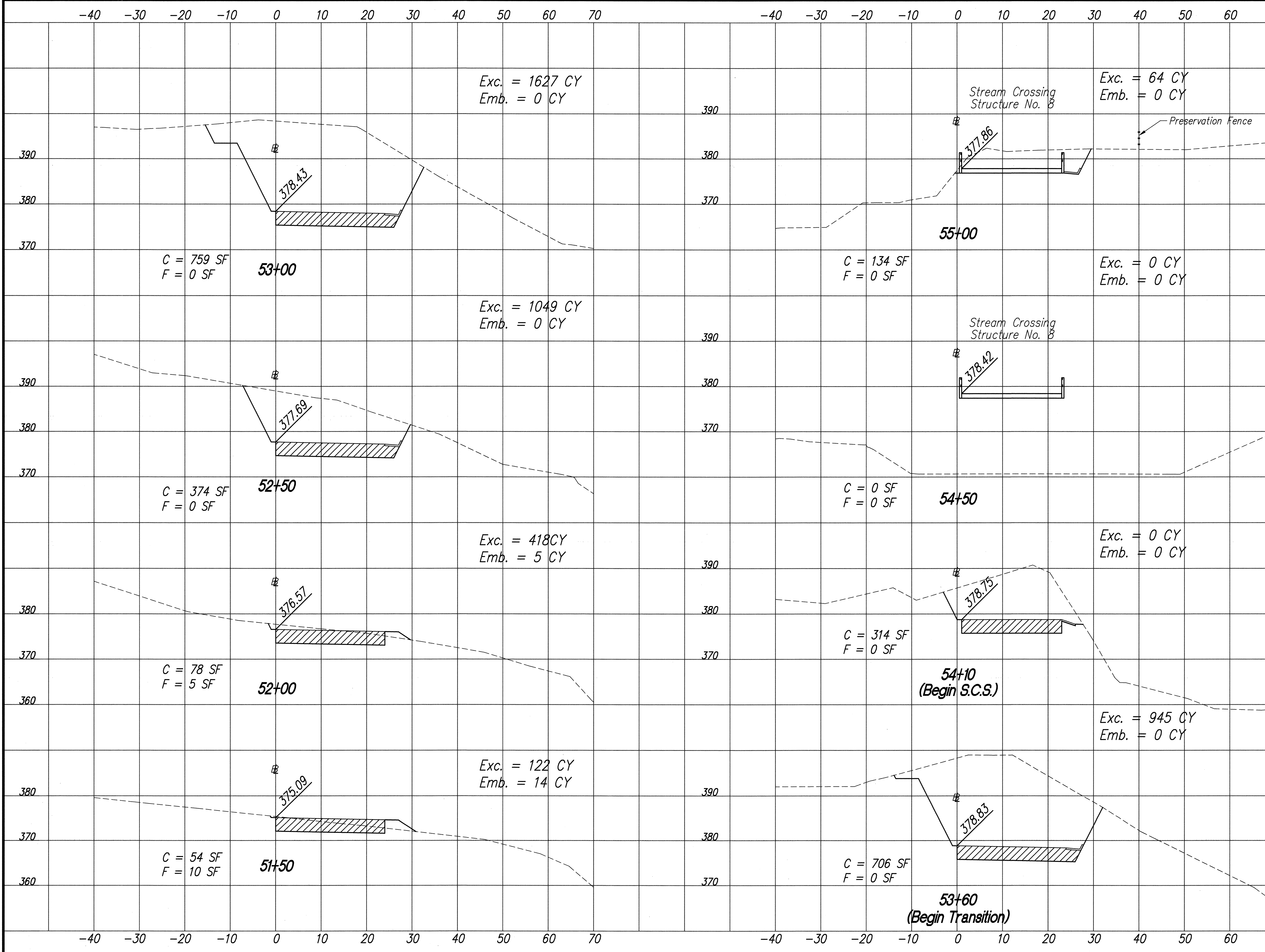
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(68)	1994	467	470



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
CROSS SECTIONS
CONSTRUCTION ACCESS ROAD
STA. 47+90 TO STA. 50+90
INTERSTATE ROUTE H-3
North Halawa Valley Highway, Unit I, Phase IB
F.A.I. PROJECT NO. I-H3-(68)
SCALE: AS NOTED DATE: MAR. 1994
SHEET No. X74 OF 77 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(68)	1994	468	470



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HIGHWAYS DIVISION

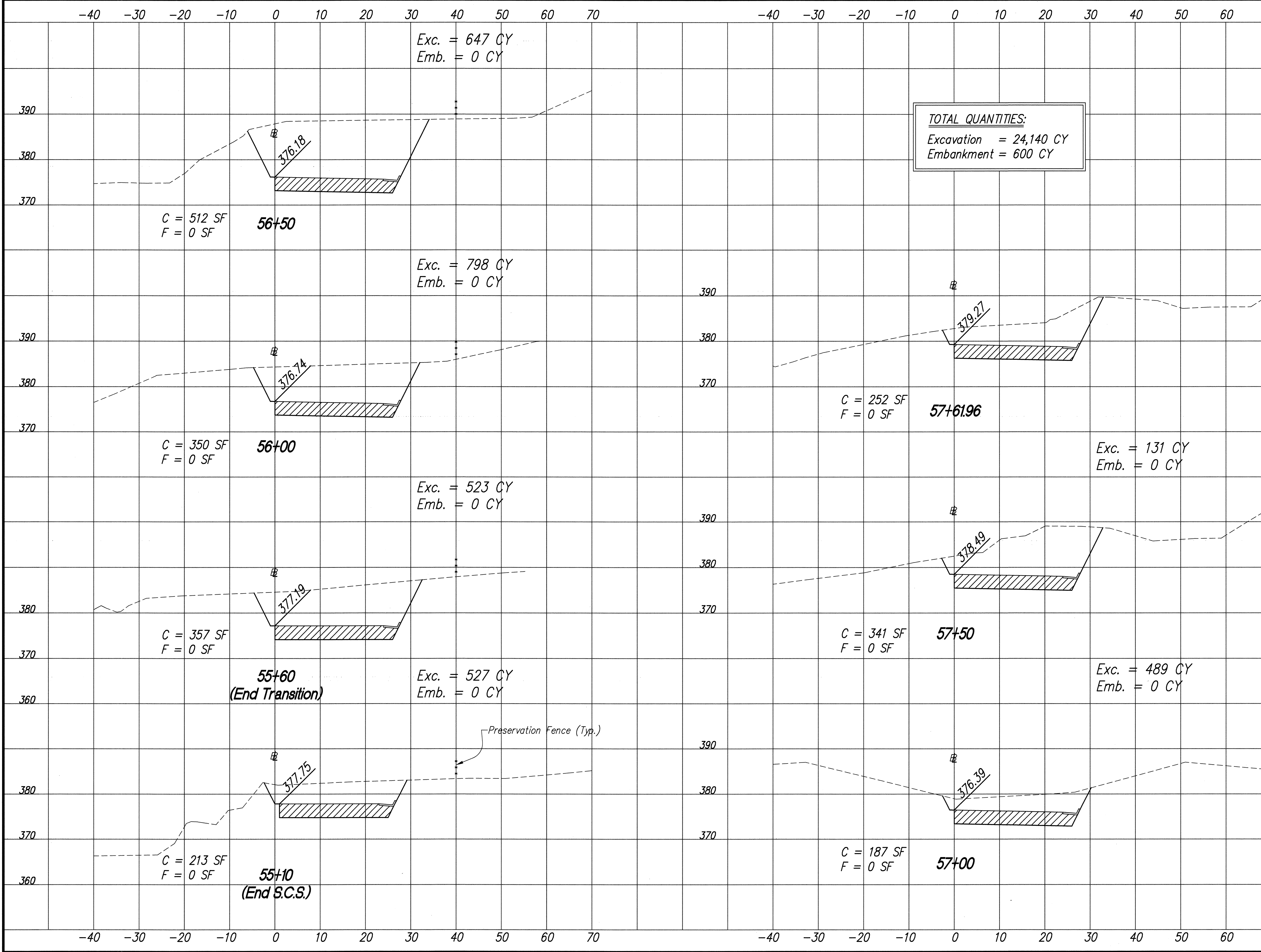
CROSS SECTIONS
CONSTRUCTION ACCESS ROAD
STA. 51+50 TO STA. 55+00

INTERSTATE ROUTE H-3
North Halawa Valley Highway, Unit I, Phase 1B
F.A.I. PROJECT NO. I-H3-(68)

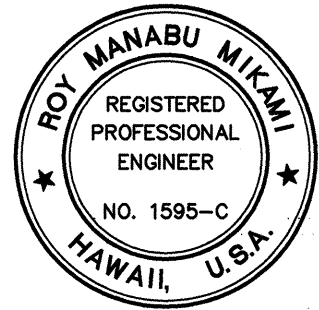
SCALE: AS NOTED DATE: MAR. 1994
SHEET No. X75 OF 77 SHEETS

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

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(68)	1994	469	470



TOTAL QUANTITIES:
Excavation = 24,140 CY
Embankment = 600 CY



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DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
CROSS SECTIONS
CONSTRUCTION ACCESS ROAD
STA. 55+10 TO STA. 57+61.96
INTERSTATE ROUTE H-3
North Halawa Valley Highway, Unit I, Phase IB
F.A.I. PROJECT NO. I-H3-(68)
SCALE: AS NOTED DATE: MAR. 1994
SHEET No. X76 OF 77 SHEETS

