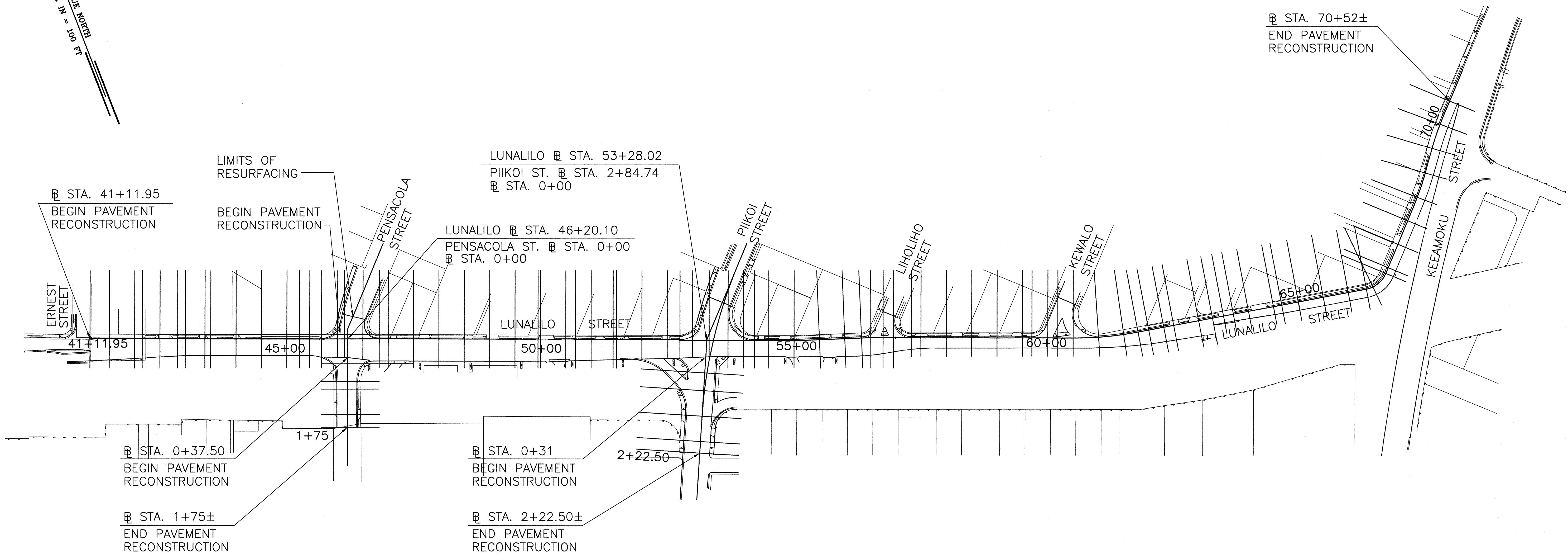


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H1-1(234)	2000	273	557

SCALE: 1" = 100' FT
TRUE NORTH



DATE: 03/19/99
SCALE: 1" = 100'
FILE: 9815-231

PM: BST
OPER: SHA*FAI
REVISED: 05/09/99

ORIGINAL PLAN	DATE
NOTED BY	DESIGNED BY
CHECKED BY	QUANTITIES BY

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Benjamin S. Tanaka

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CROSS SECTION KEY MAP
LUNALILO STREET

INTERSTATE ROUTE H-1 RESURFACING
Vic. of Punchbowl Off Ramp to Kapiolani IC
F.A.I. Project No. IM-H1-1(234)

Scale: 1"=100' Date: June 1, 1999

SHEET NO. X1 OF 10 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H1-1(234)	2000	274	557

DATE: 03/19/99

PM: BST

OPER: SHA, #FAI

REvised: 05/09/99

FILE: 9815-186

SCALE: 1" = 1'

SURVEY PLOTTED BY

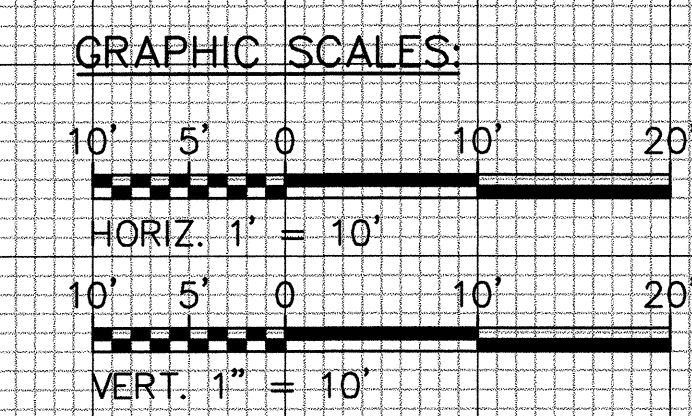
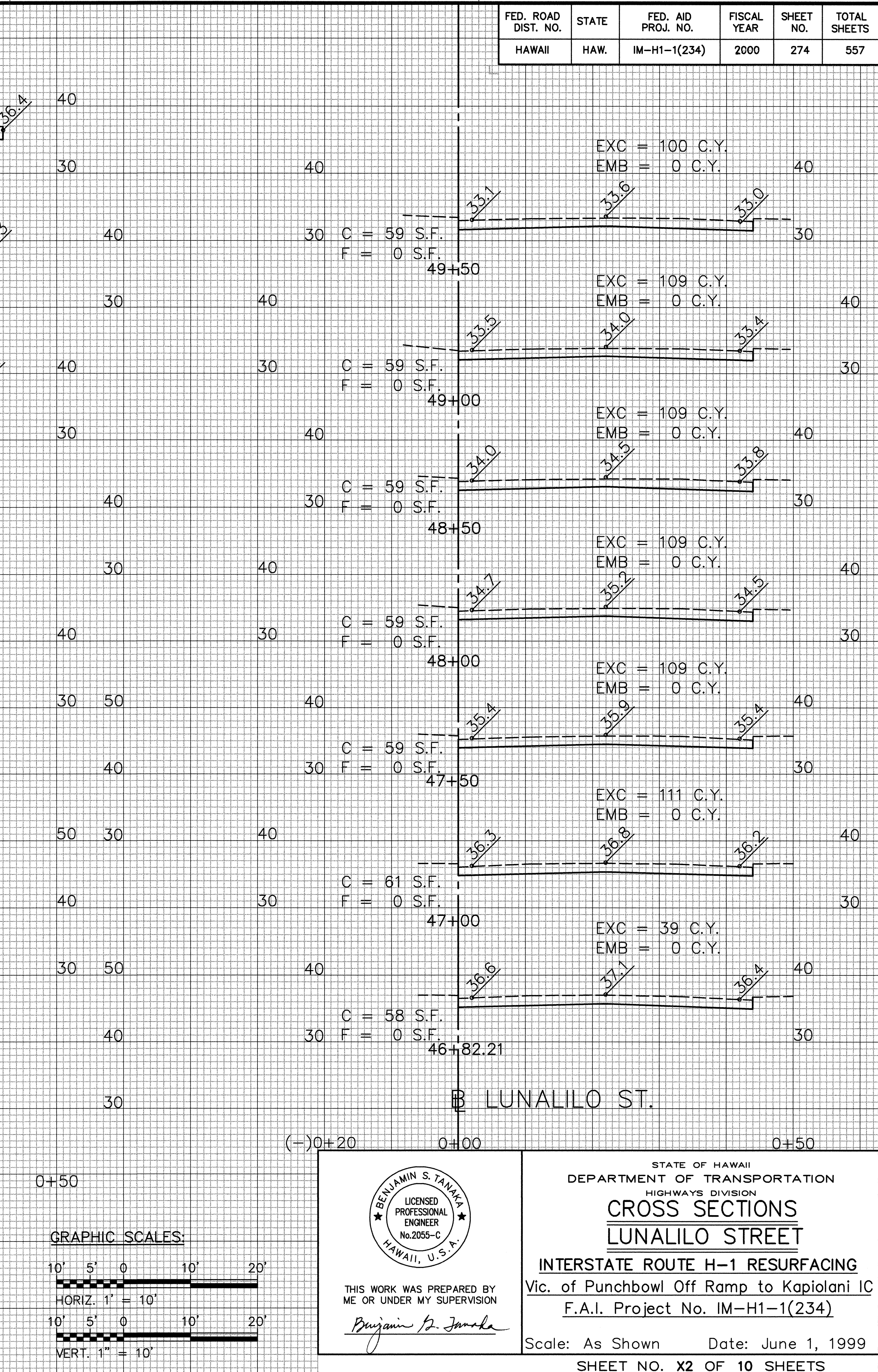
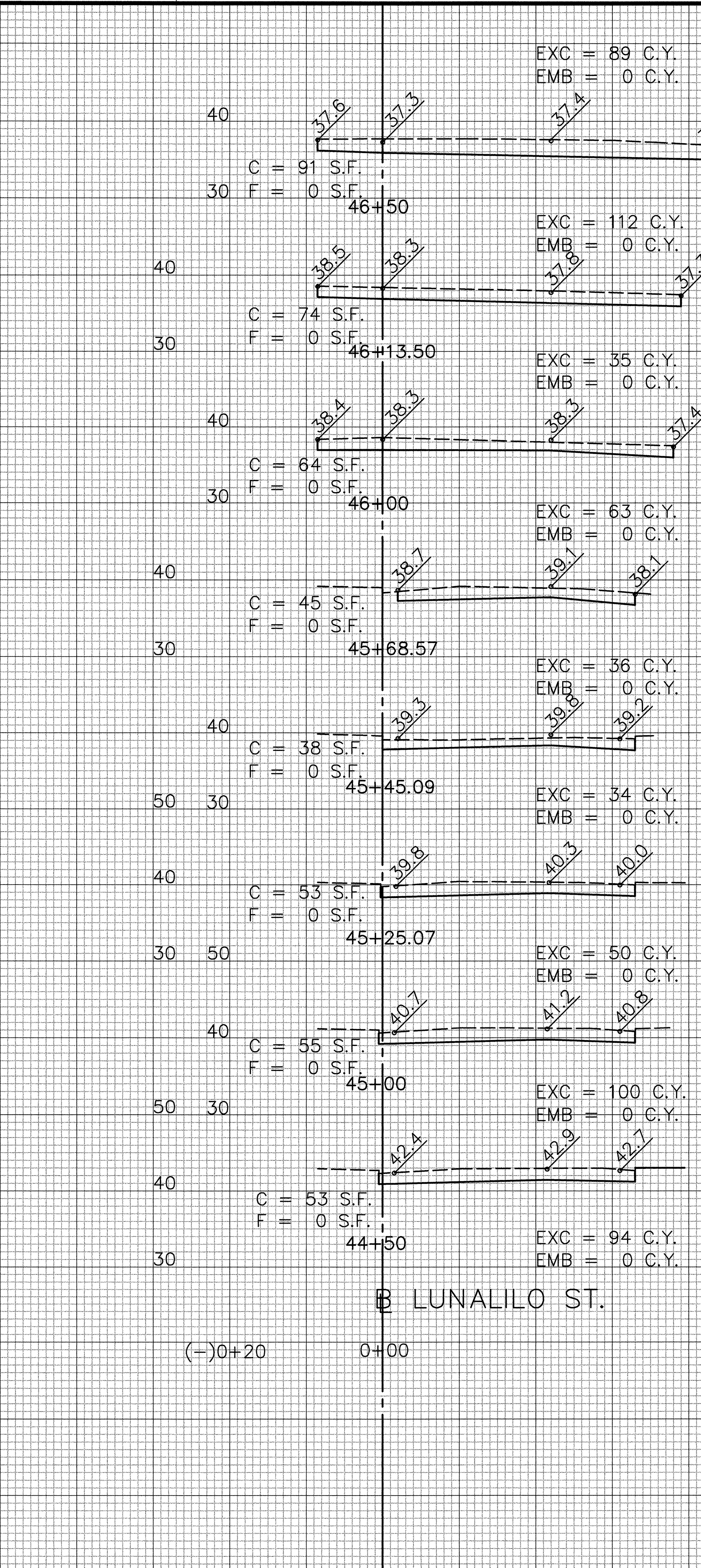
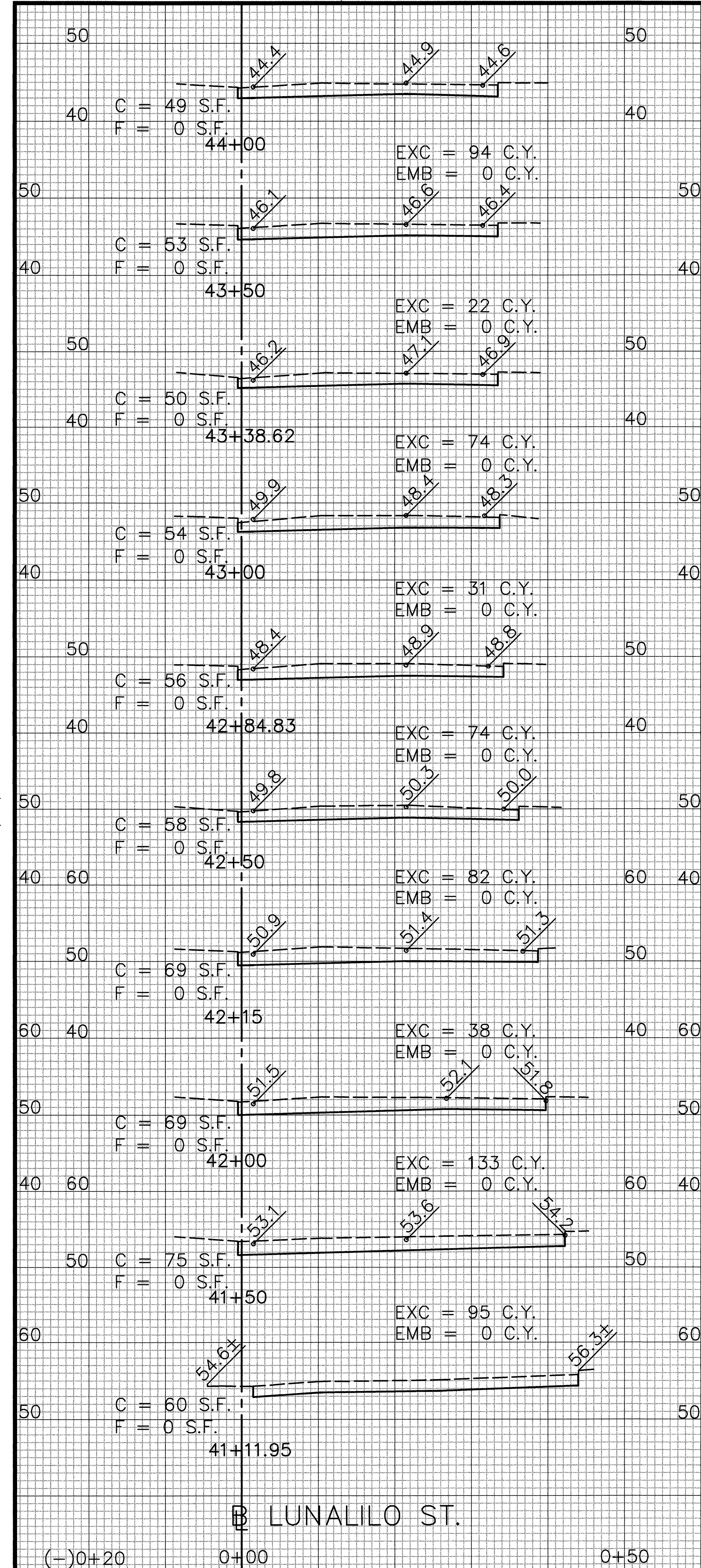
DATE

DESIGNED BY

NOTED BY

QUANTITIES BY

DELETED BY



STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

CROSS SECTIONS

LUNALILO STREET

INTERSTATE ROUTE H-1 RESURFACING

Vic. of Punchbowl Off Ramp to Kapiolani IC

F.A.I. Project No. IM-H1-1(234)

Scale: As Shown

Date: June 1, 1999

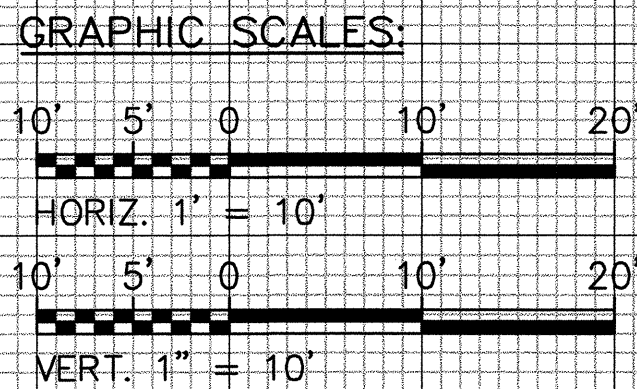
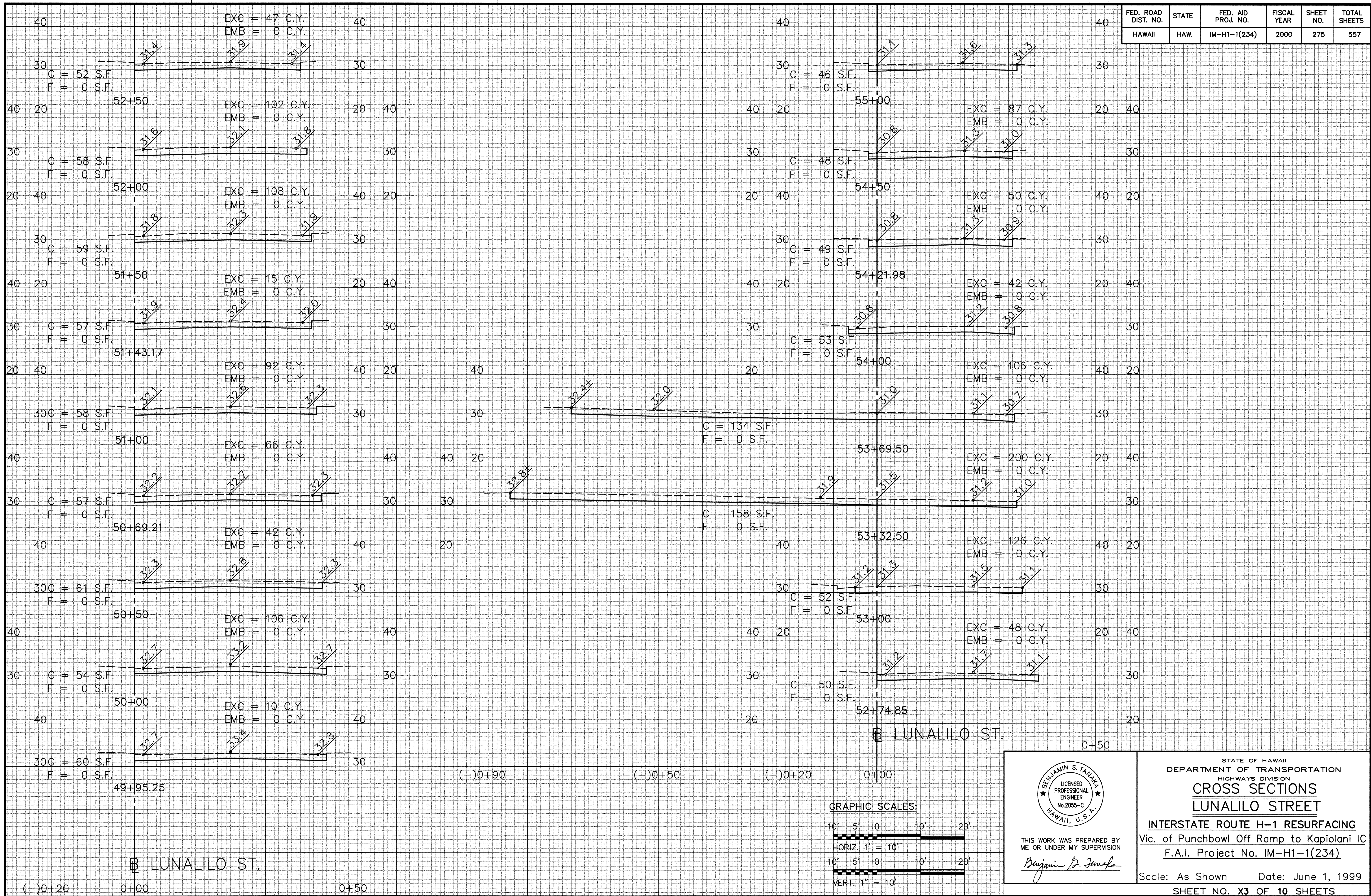
SHEET NO. X2 OF 10 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H1-1(234)	2000	275	557

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

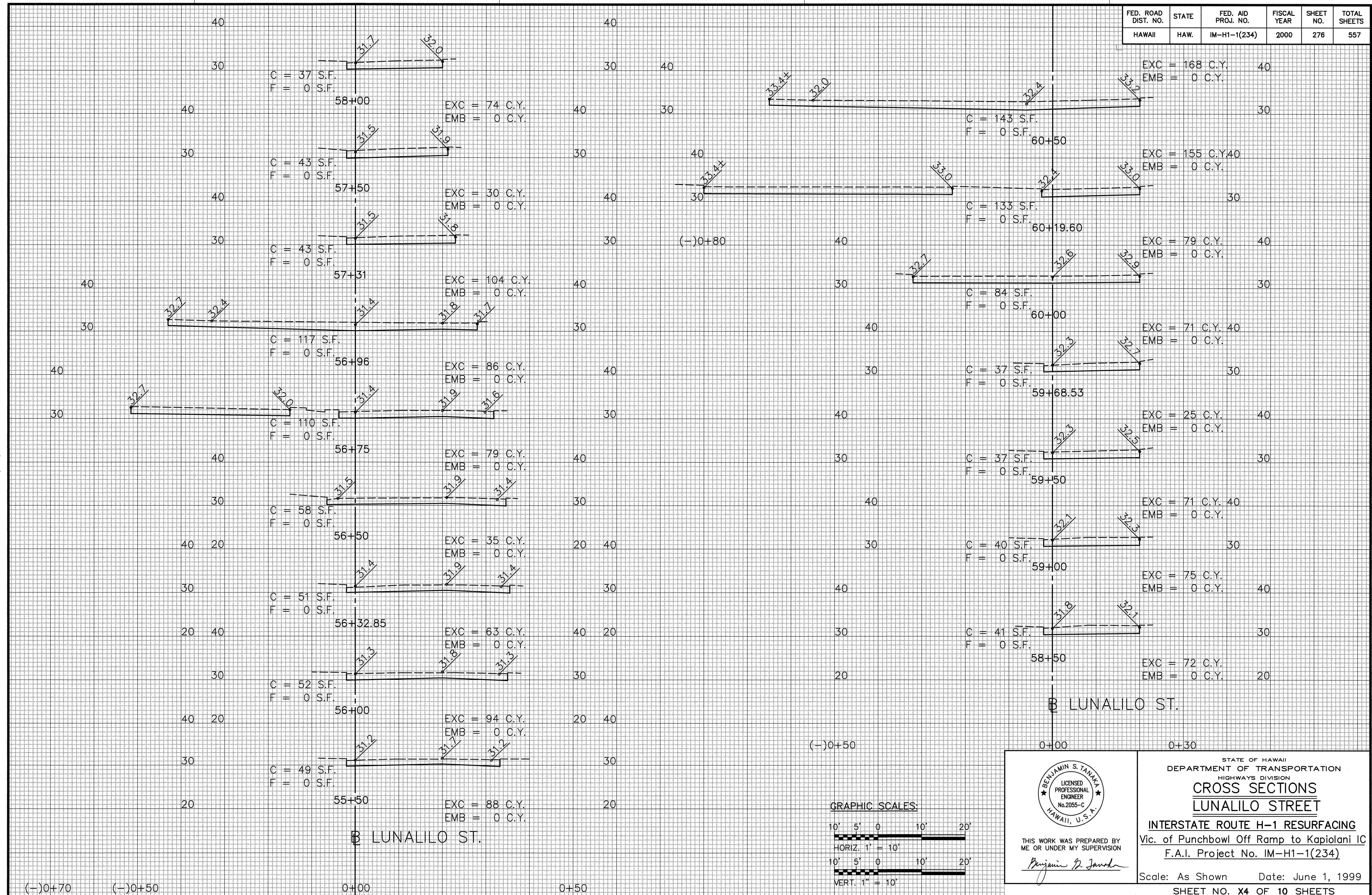
DATE: 03/19/99
SCALE: 1" = 1'
FILE: 9815-187

BST
OPER: SHA *FAI
REVISED: 05/09/99



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
LUNALILO STREET
INTERSTATE ROUTE H-1 RESURFACING
Vic. of Punchbowl Off Ramp to Kapiolani IC
F.A.I. Project No. IM-H1-1(234)
Scale: As Shown Date: June 1, 1999
SHEET NO. X3 OF 10 SHEETS

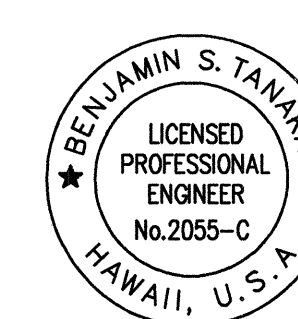
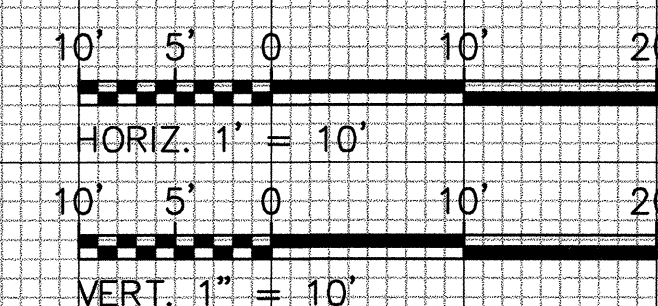
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H1-1(234)	2000	276	557



DATE: 03/19/99
 SCALE: 1" = 100'
 FILE: 9815-188

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

GRAPHIC SCALES:



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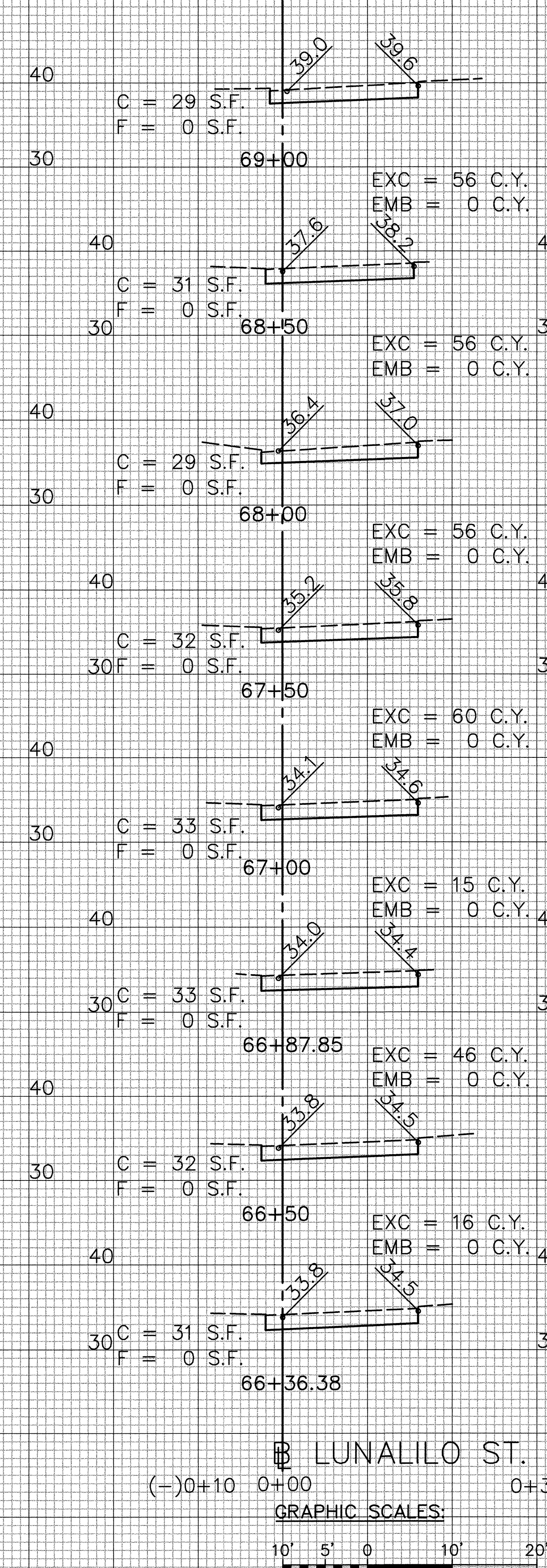
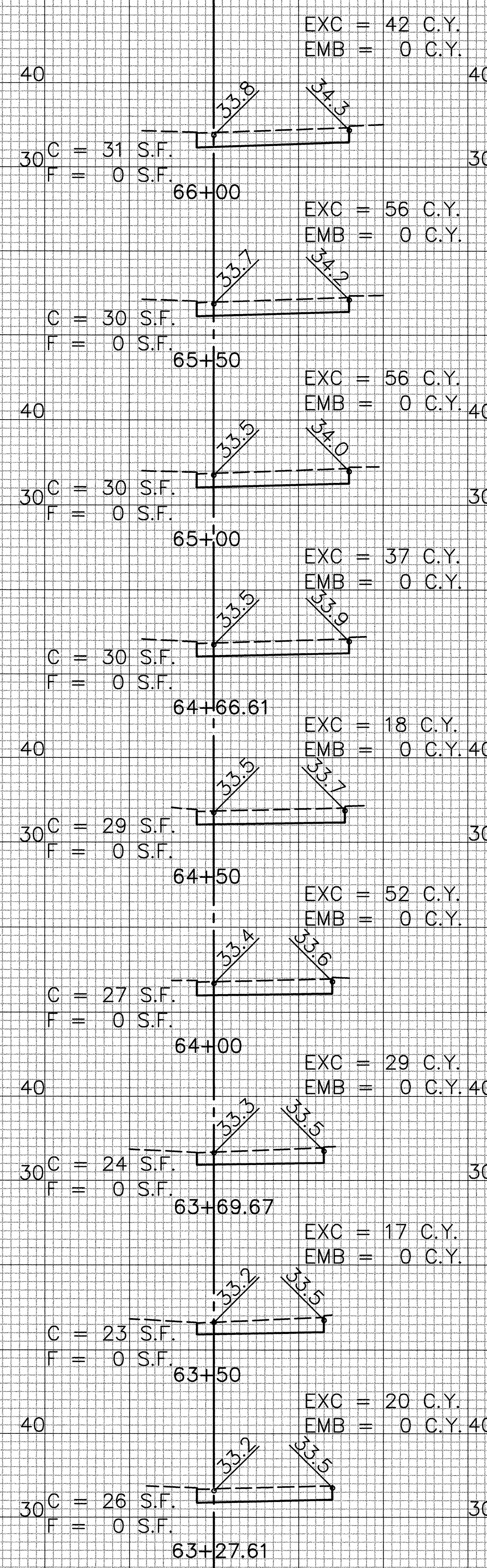
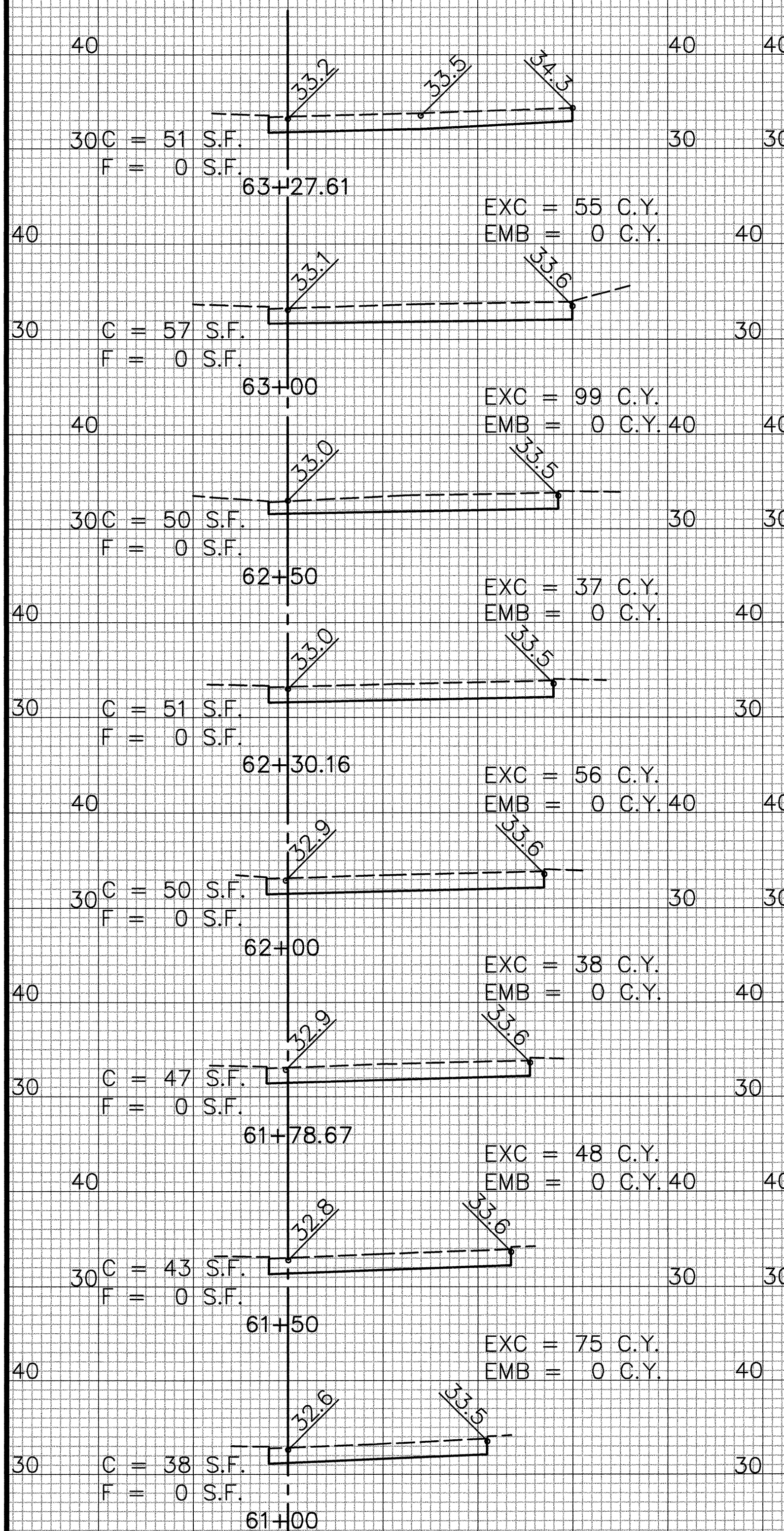
Benjamin S. Tanaka

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
CROSS SECTIONS
LUNALILO STREET
 INTERSTATE ROUTE H-1 RESURFACING
 Vic. of Punchbowl Off Ramp to Kapiolani IC
 F.A.I. Project No. IM-H1-1(234)

Scale: As Shown Date: June 1, 1999
 SHEET NO. X4 OF 10 SHEETS

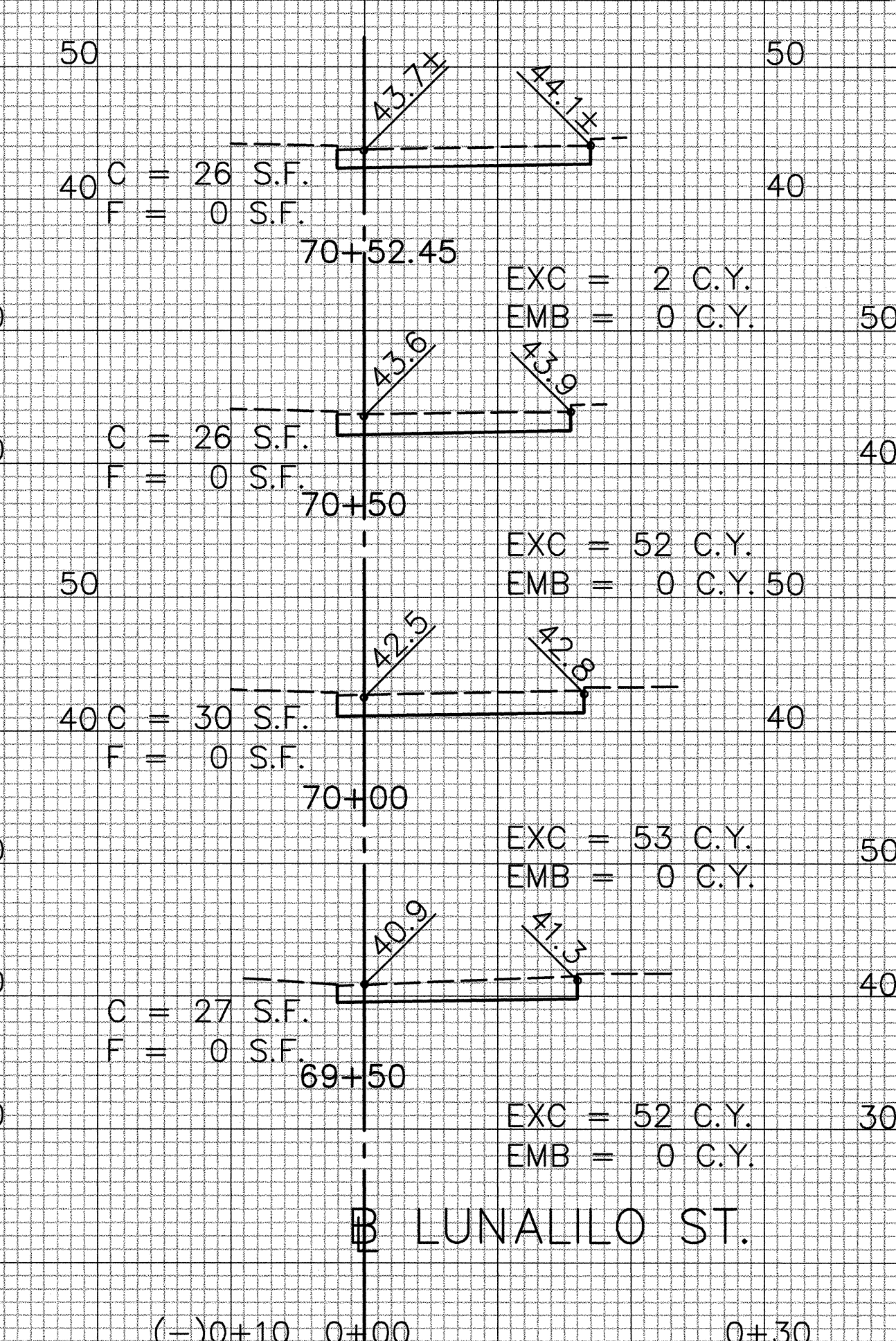
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H1-1(234)	2000	277	557

ESTIMATED EARTHWORK QUANTITIES		
LOCATION	EXCAVATION	EMBANKMENT
B LUNALILO STREET STA. 41+11.95 TO STA. 63+27.61	4,966 C.Y.	0 C.Y.



ESTIMATED EARTHWORK QUANTITIES		
LOCATION	EXCAVATION	EMBANKMENT
B LUNALILO STREET STA. 41+11.95 TO STA. 63+27.61	4,966 C.Y.	0 C.Y.
B LUNALILO STREET STA. 63+27.61 TO STA. 70+52.45	791 C.Y.	0 C.Y.
TOTAL	5,757 C.Y.	0 C.Y.

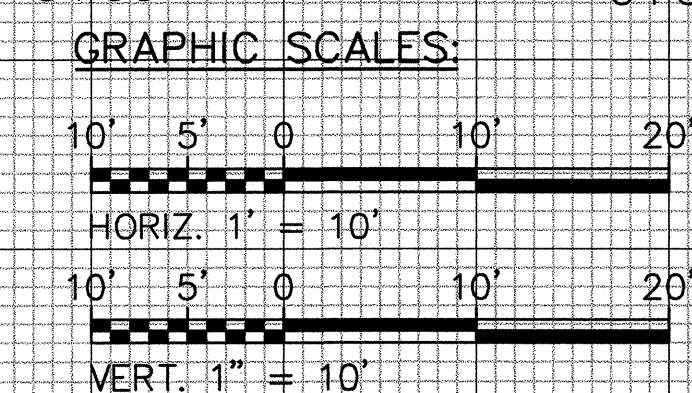
ESTIMATED EARTHWORK QUANTITIES		
LOCATION	EXCAVATION	EMBANKMENT
B LUNALILO STREET STA. 63+27.61 TO STA. 70+52.45	791 C.Y.	0 C.Y.



DATE: 03/19/99
SCALE: 1" = 10'
FILE: 9815-189

PM: BST
OPER: SHA*FAI
REVISED: 05/09/99

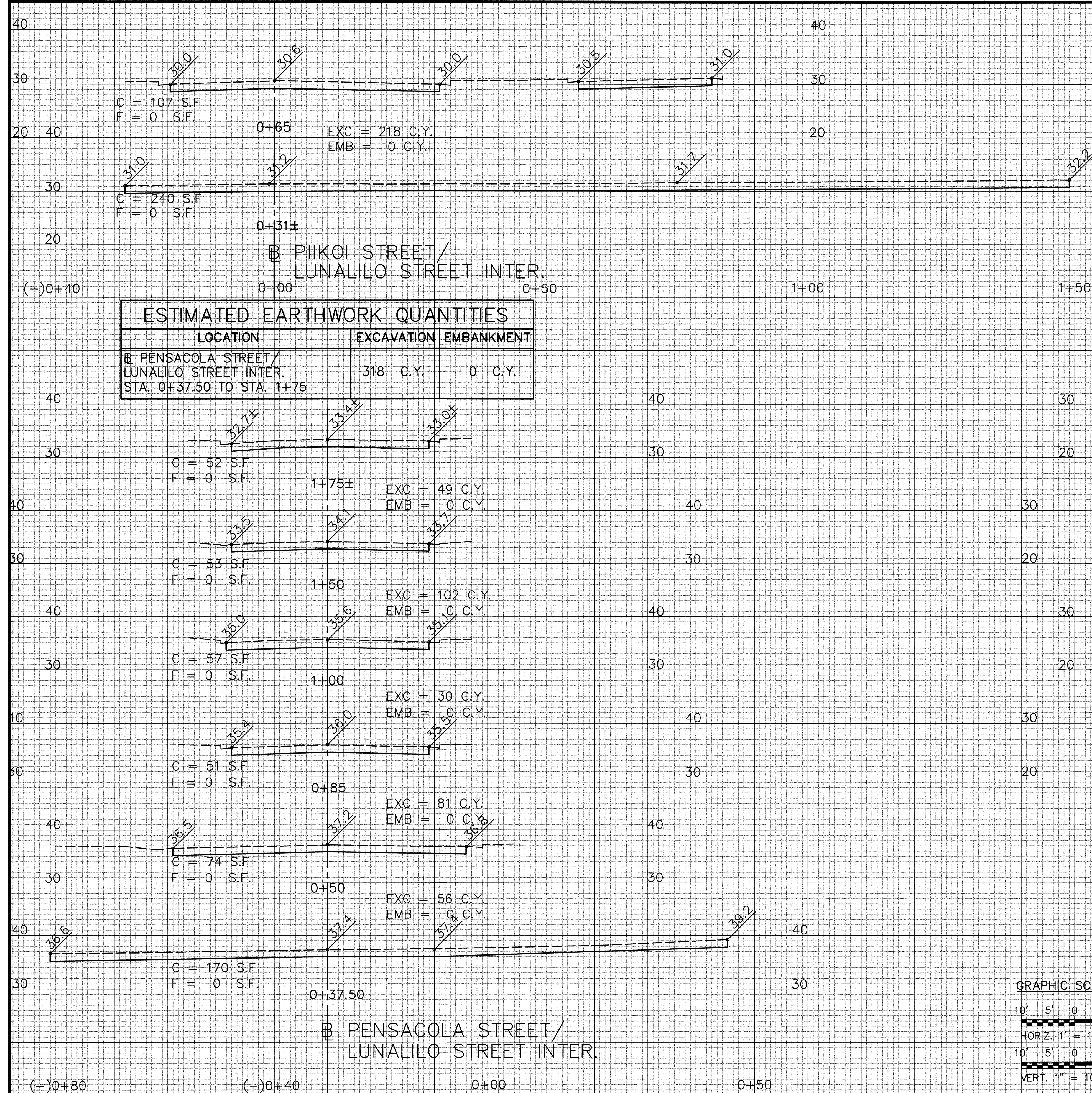
SURVEY PLOTTED BY: _____
DRAWN BY: _____
CHECKED BY: _____
DESIGNED BY: _____
QUANTITIES BY: _____
NOTED BY: _____



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Benjamin S. Tanaka

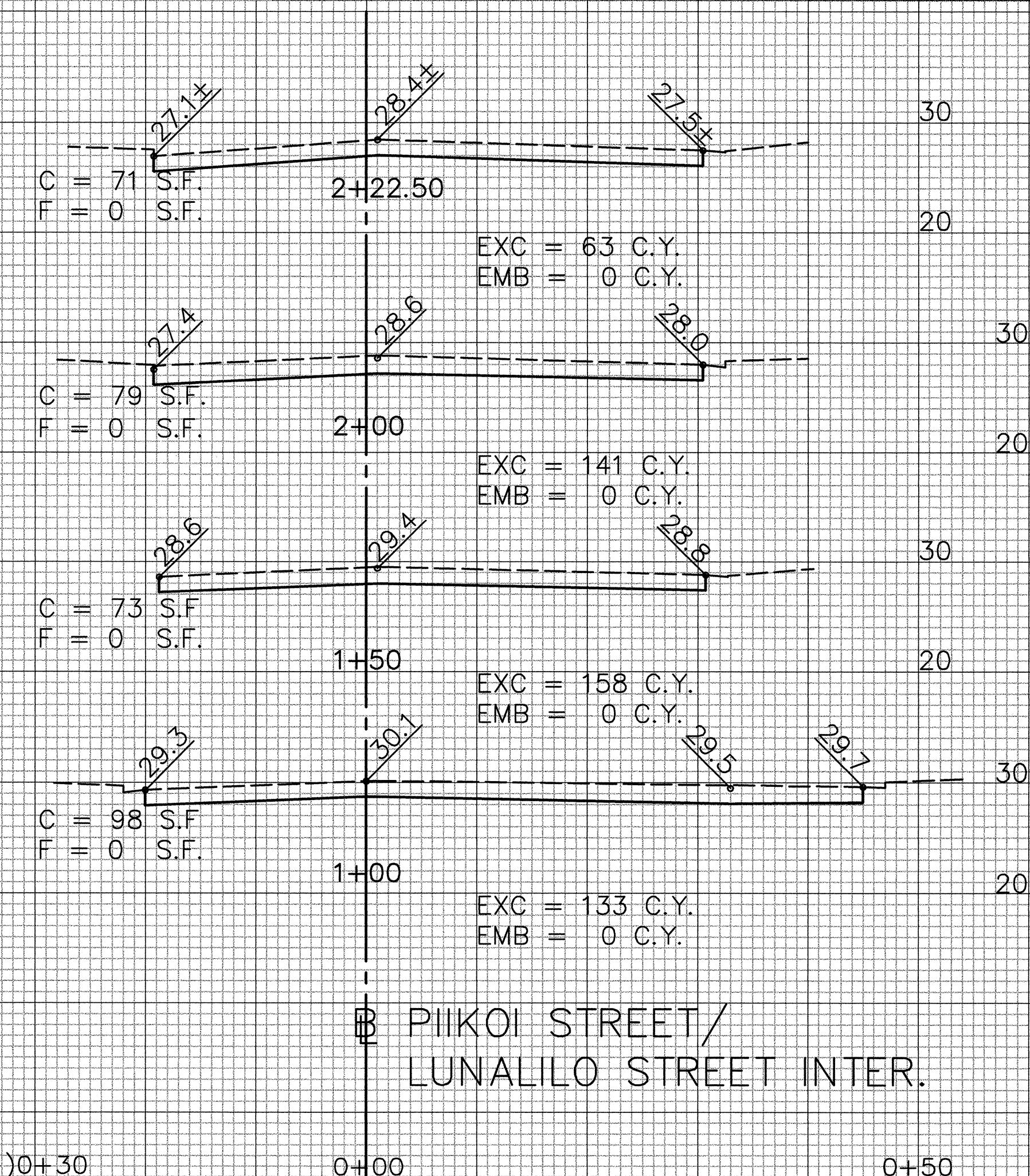
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
CROSS SECTIONS
LUNALILO STREET
INTERSTATE ROUTE H-1 RESURFACING
Vic. of Punchbowl Off Ramp to Kapiolani IC
F.A.I. Project No. IM-H1-1(234)
Scale: As Shown Date: June 1, 1999
SHEET NO. X5 OF 10 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H1-1(234)	2000	278	557



ESTIMATED EARTHWORK QUANTITIES		
LOCATION	EXCAVATION	EMBANKMENT
PIIKOI STREET/ LUNALILO STREET INTER. STA. 0+37.50 TO STA. 1+75	318 C.Y.	0 C.Y.

ESTIMATED EARTHWORK QUANTITIES		
LOCATION	EXCAVATION	EMBANKMENT
PIIKOI STREET/ LUNALILO STREET INTER. STA. 0+31 TO STA. 2+22.50	713 C.Y.	0 C.Y.



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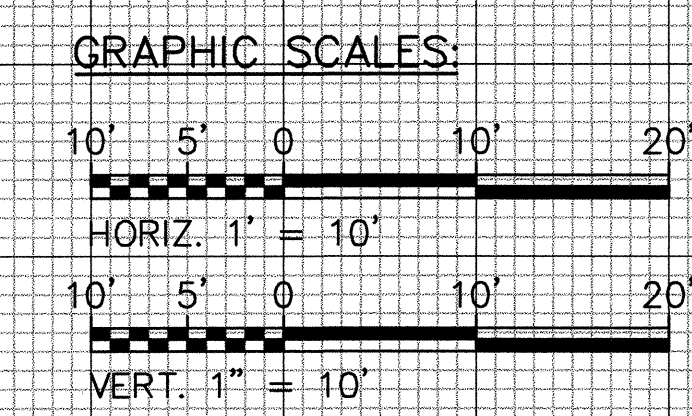
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CROSS SECTIONS
LUNALILO STREET

INTERSTATE ROUTE H-1 RESURFACING
Vic. of Punchbowl Off Ramp to Kapiolani IC
F.A.I. Project No. IM-H1-1(234)

Scale: As Shown Date: June 1, 1999

SHEET NO. X6 OF 10 SHEETS



DATE: 03/19/99
SCALE: 1" = 10'
FILE: 9815-190

PM: SHA *FAI
OPER: 05/09/99

SURVEY PLOTTED BY: _____
DRAWN BY: _____
DESIGNED BY: _____
CHECKED BY: _____

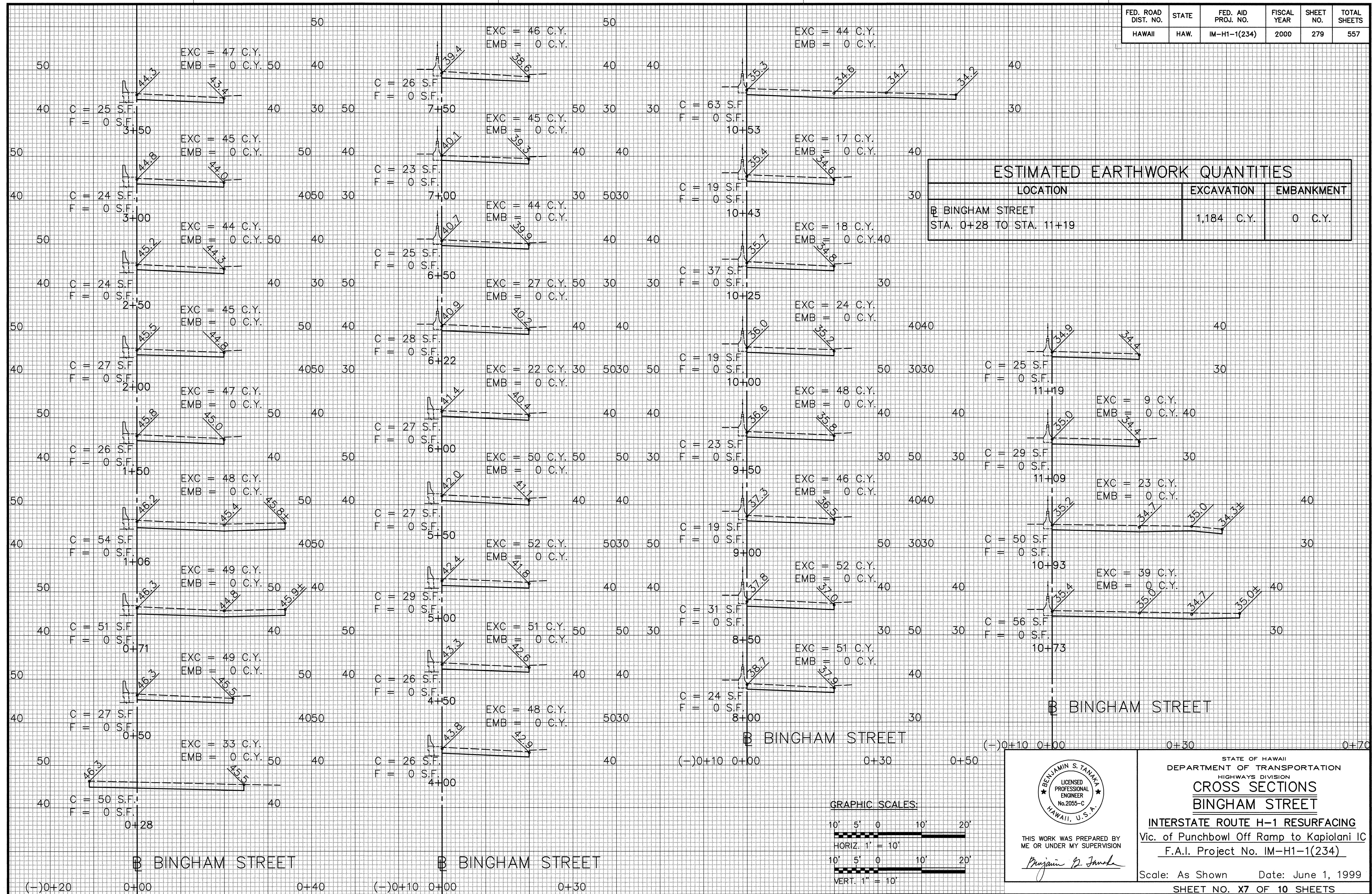
ORIGINAL PLAN _____
NOTEBOOK _____
No. _____

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H1-1(234)	2000	279	557

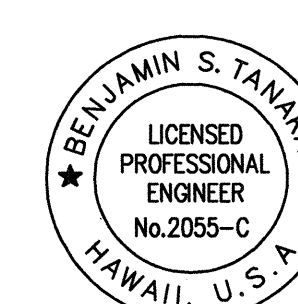
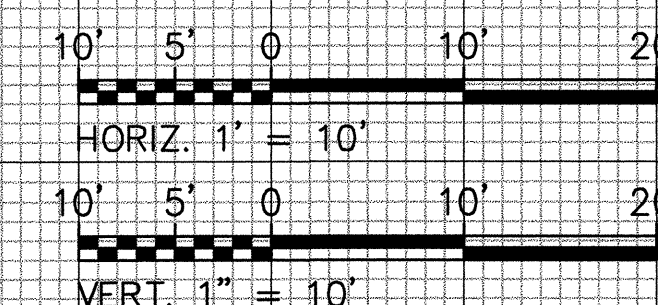
ESTIMATED EARTHWORK QUANTITIES		
LOCATION	EXCAVATION	EMBANKMENT
B BINGHAM STREET STA. 0+28 TO STA. 11+19	1,184 C.Y.	0 C.Y.

DATE: 03/19/99
SCALE: 1" = 10'
FILE: 9815-181

SURVEY PLOTTED BY: _____
DRAWN BY: _____
DESIGNED BY: _____
CHECKED BY: _____



GRAPHIC SCALES:



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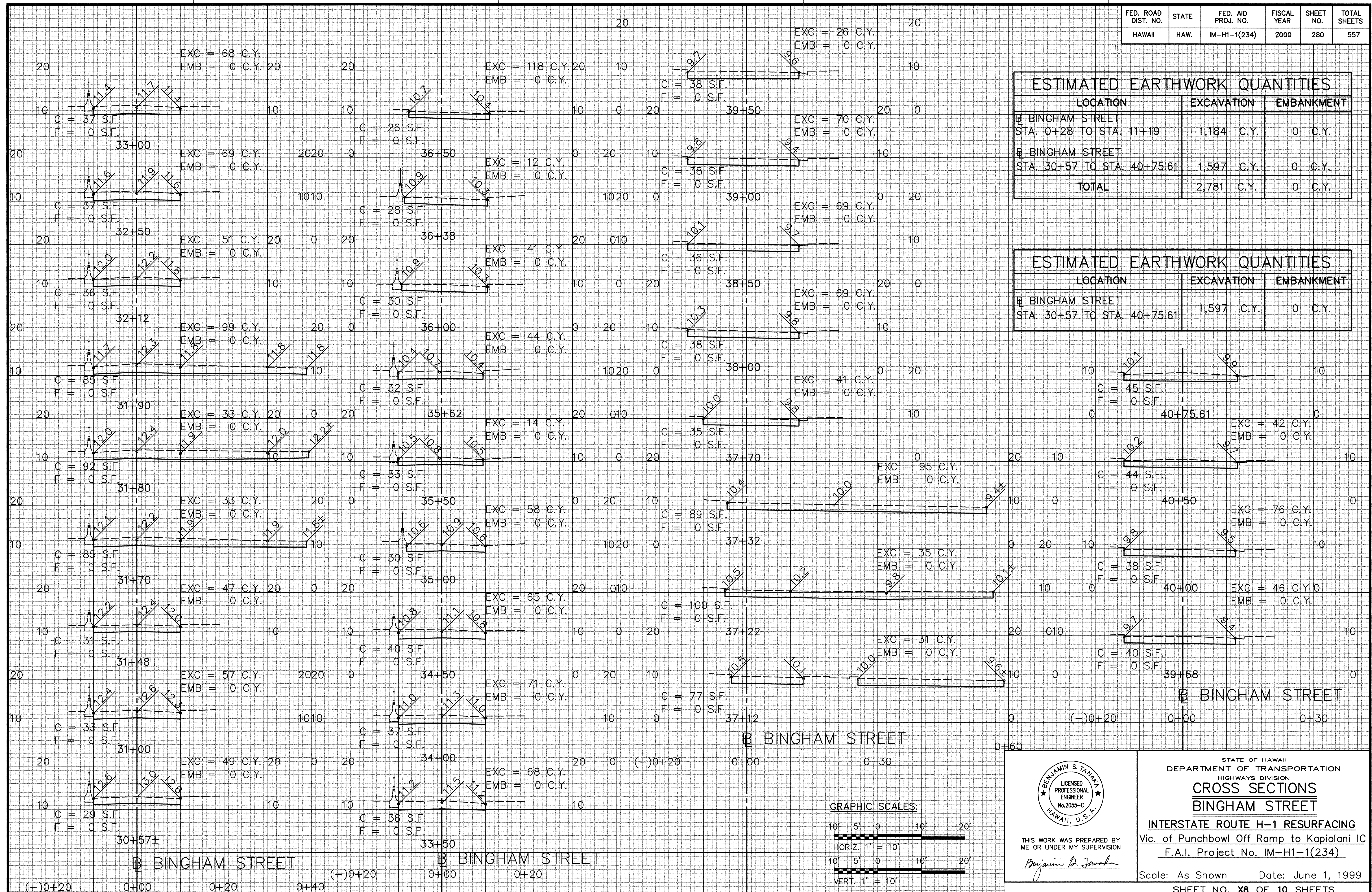
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
CROSS SECTIONS
BINGHAM STREET
INTERSTATE ROUTE H-1 RESURFACING
Vic. of Punchbowl Off Ramp to Kapiolani IC
F.A.I. Project No. IM-H1-1(234)

Scale: As Shown Date: June 1, 1999
SHEET NO. X7 OF 10 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H1-1(234)	2000	280	557

ESTIMATED EARTHWORK QUANTITIES		
LOCATION	EXCAVATION	EMBANKMENT
@ BINGHAM STREET STA. 0+28 TO STA. 11+19	1,184 C.Y.	0 C.Y.
@ BINGHAM STREET STA. 30+57 TO STA. 40+75.61	1,597 C.Y.	0 C.Y.
TOTAL	2,781 C.Y.	0 C.Y.

ESTIMATED EARTHWORK QUANTITIES		
LOCATION	EXCAVATION	EMBANKMENT
@ BINGHAM STREET STA. 30+57 TO STA. 40+75.61	1,597 C.Y.	0 C.Y.

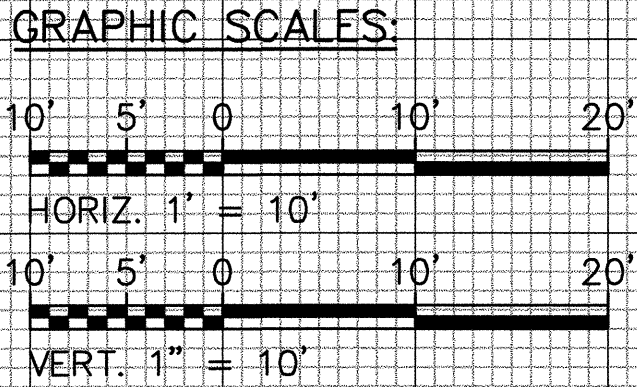
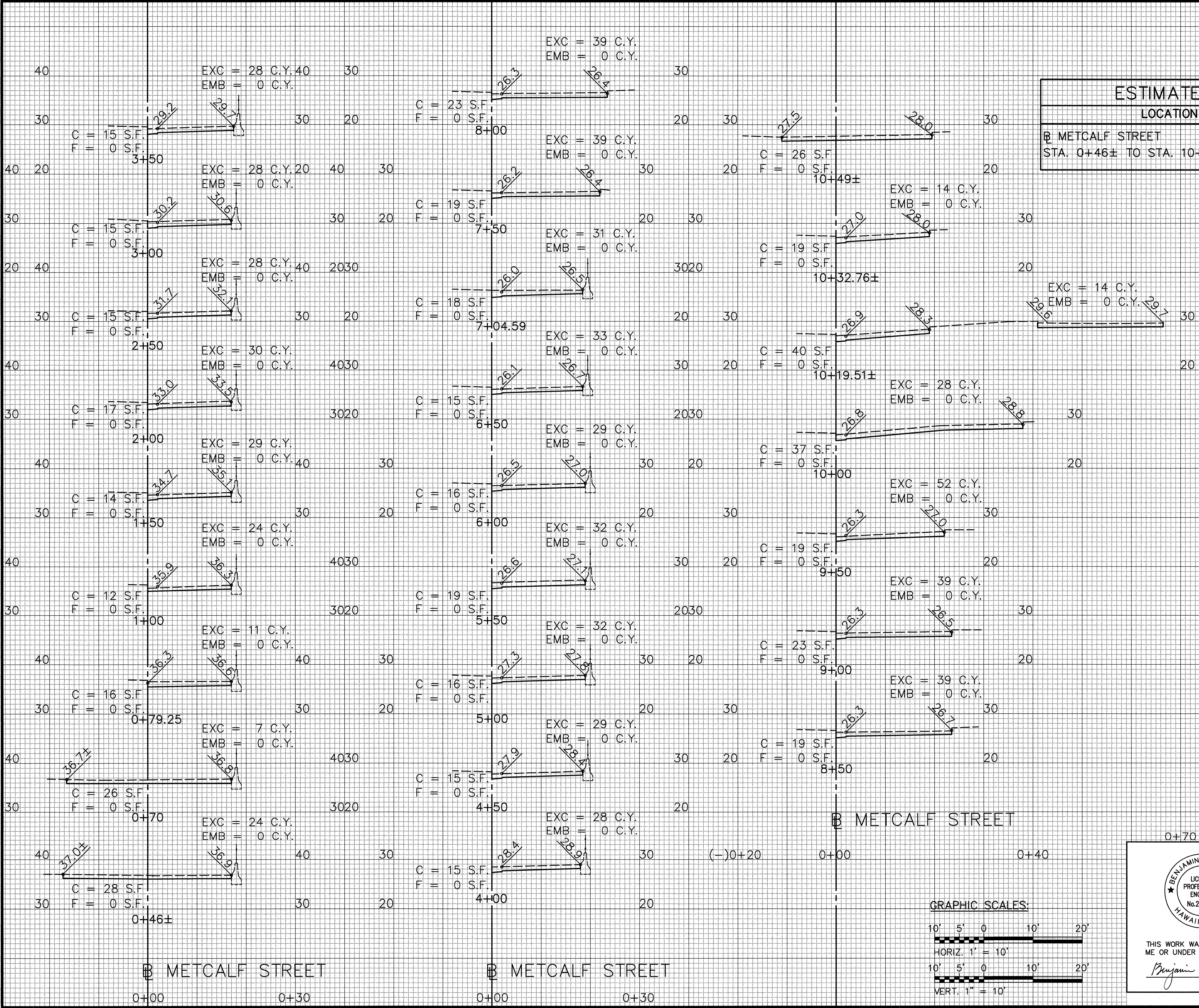


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H1-1(234)	2000	281	557

ESTIMATED EARTHWORK QUANTITIES		
LOCATION	EXCAVATION	EMBANKMENT
B METCALF STREET STA. 0+46± TO STA. 10+49±	687 C.Y.	0 C.Y.

DATE: 03/19/99
SCALE: 1" = 10'
FILE: 9815-191

SURVEY PLOTTED BY: _____
DATE: _____
DRAWN BY: _____
TRACED BY: _____
DESIGNED BY: _____
QUANTITIES BY: _____
CHECKED BY: _____



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
CROSS SECTIONS
METCALF STREET
INTERSTATE ROUTE H-1 RESURFACING
Vic. of Punchbowl Off Ramp to Kapiolani IC
F.A.I. Project No. IM-H1-1(234)
Scale: As Shown Date: June 1, 1999
SHEET NO. X9 OF 10 SHEETS

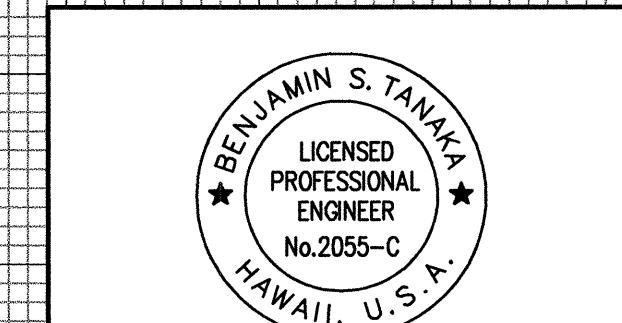
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H1-1(234)	2000	282	557

ESTIMATED EARTHWORK QUANTITIES

LOCATION	EXCAVATION	EMBANKMENT
B WILDER AVE. STA. 0+73± TO STA. 10+70±	456 C.Y.	0 C.Y.

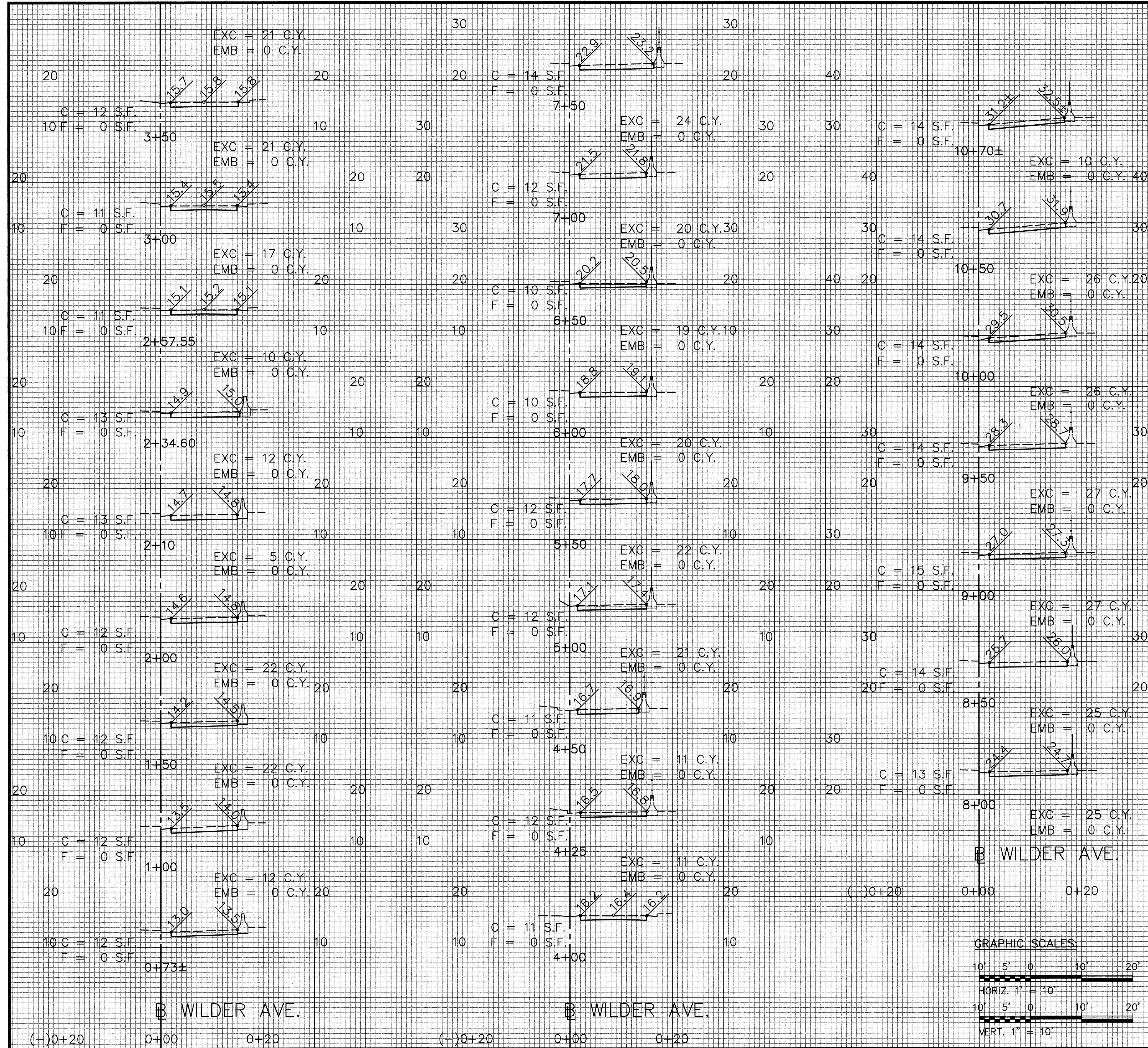
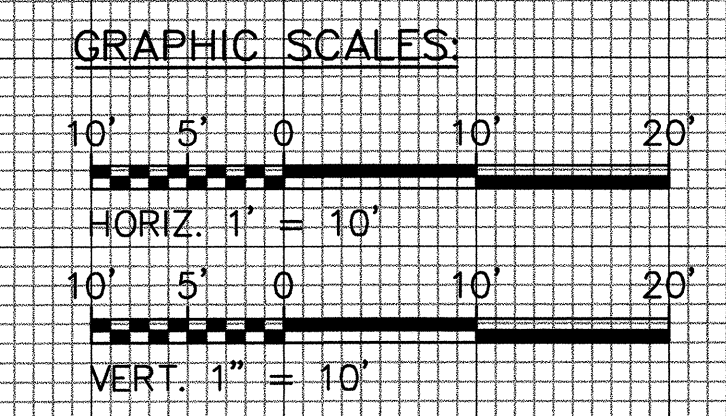
TOTAL ESTIMATED EARTHWORK QUANTITIES

LOCATION	EXCAVATION	EMBANKMENT
B LUNALILO STREET STA. 41+11.95 TO STA. 63+27.61	4,966 C.Y.	0 C.Y.
B LUNALILO STREET STA. 63+27.61 TO STA. 70+52.45	791 C.Y.	0 C.Y.
B PENSACOLA STREET/ LUNALILO STREET INTER. STA. 0+37.50 TO STA. 1+75	318 C.Y.	0 C.Y.
B PIKOI STREET/ LUNALILO STREET INTER. STA. 0+31 TO STA. 2+22.50	713 C.Y.	0 C.Y.
B BINGHAM STREET STA. 0+28 TO STA. 11+19	1,184 C.Y.	0 C.Y.
B BINGHAM STREET STA. 30+57 TO STA. 40+75.61	1,597 C.Y.	0 C.Y.
B METCALF STREET STA. 0+46± TO STA. 10+49±	687 C.Y.	0 C.Y.
B WILDER AVE. STA. 0+73± TO STA. 10+70±	456 C.Y.	0 C.Y.
H-1 B STA. 183+03± TO H-1 B STA. 186+09±	81 C.Y.	0 C.Y.
McCULLY ST. STA. 0+75 TO STA. 3+83.67	480 C.Y.	0 C.Y.
ALEXANDER ON-RAMP	222 C.Y.	0 C.Y.
TOTAL	11,495 C.Y.	0 C.Y.



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
CROSS SECTIONS
WILDER AVENUE
INTERSTATE ROUTE H-1 RESURFACING
Vic. of Punchbowl Off Ramp to Kapiolani IC
F.A.I. Project No. IM-H1-1(234)
Scale: As Shown Date: June 1, 1999
SHEET NO. X10 OF 10 SHEETS



DATE: 03/19/99
SCALE: 1" = 10'
FILE: 9815-232

SURVEY PLOTTED BY: _____
DRAWN BY: _____
DESIGNED BY: _____
QUANTITIES BY: _____
CHECKED BY: _____

ORIGINAL PLAN _____
NOTEBOOK _____
NO. _____

PM: BST
OPER: *SHA.FAI
REVISED: 06/17/99