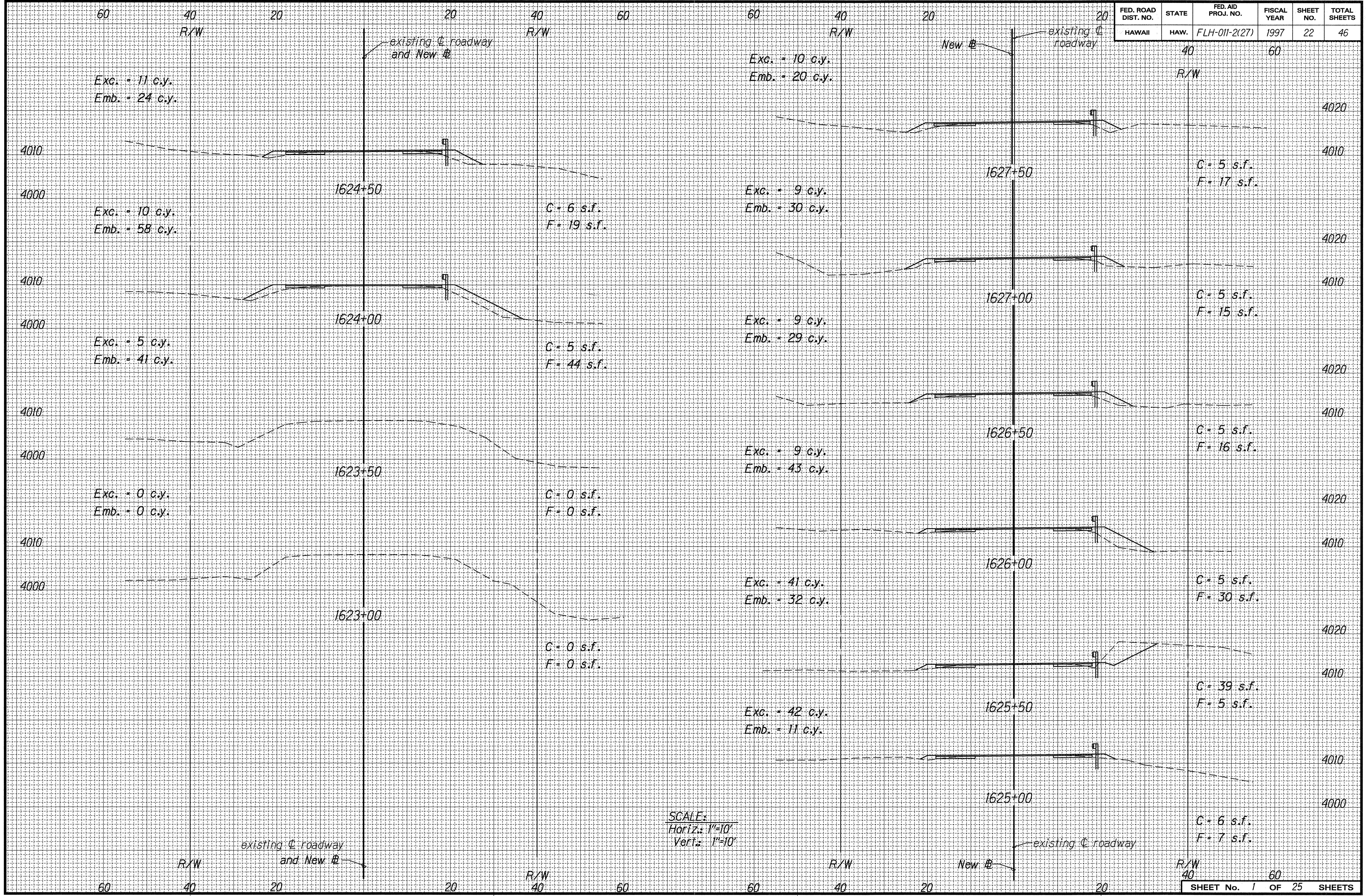
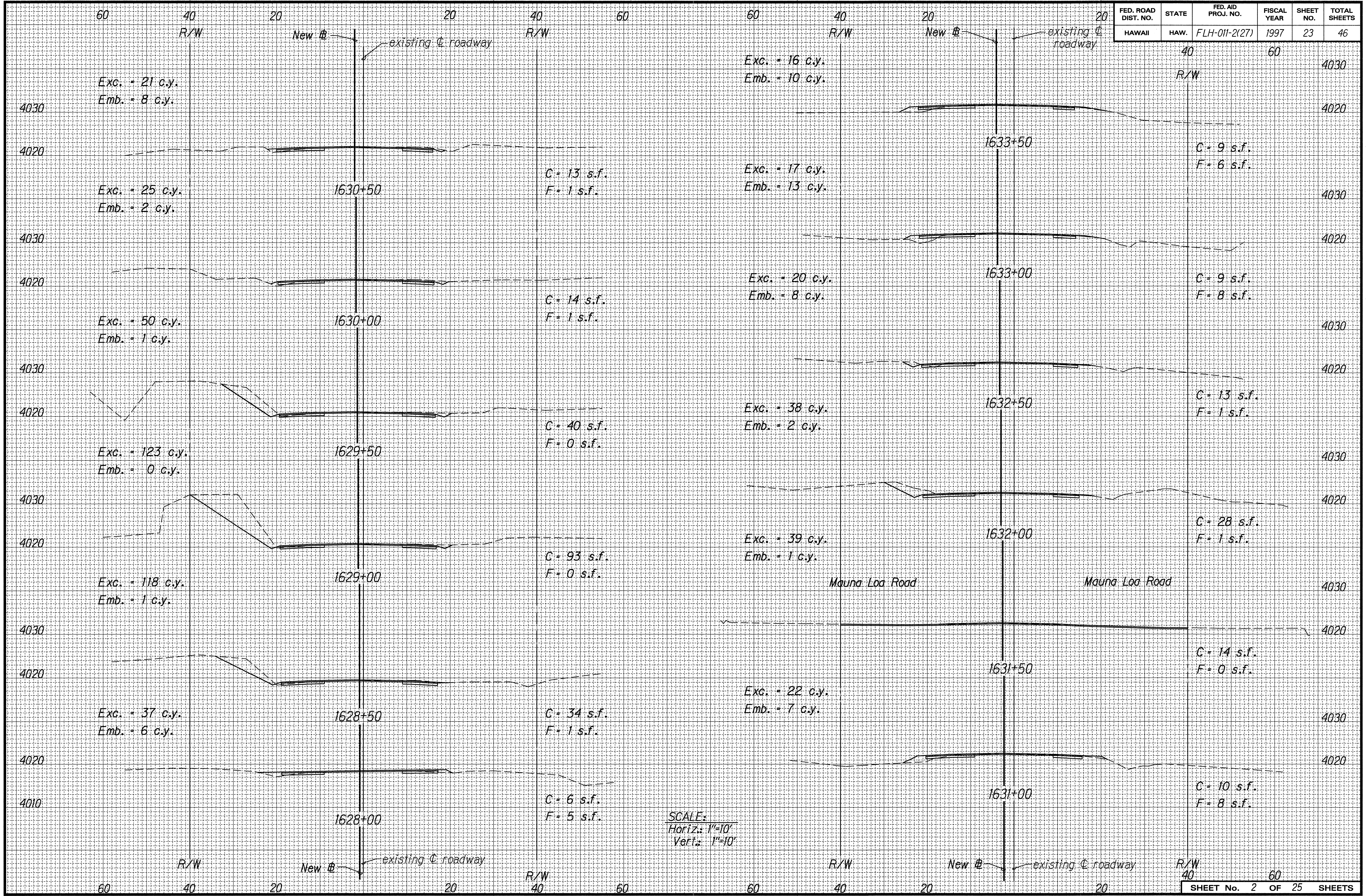
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	FLH-011-2(27)	1997	22	46


60
40
20
20
40
60
R/W
existing ℄ roadway and New ℄
Exc. = 11 c.y.
Emb. = 24 c.y.
4010
4000
1624+50
Exc. = 10 c.y.
Emb. = 58 c.y.
C = 6 s.f.
F = 19 s.f.
1624+00
Exc. = 5 c.y.
Emb. = 41 c.y.
C = 5 s.f.
F = 44 s.f.
1623+50
Exc. = 0 c.y.
Emb. = 0 c.y.
C = 0 s.f.
F = 0 s.f.
1623+00
C = 0 s.f.
F = 0 s.f.
existing ℄ roadway
New ℄
Exc. = 10 c.y.
Emb. = 20 c.y.
4020
1627+50
C = 5 s.f.
F = 17 s.f.
Exc. = 9 c.y.
Emb. = 30 c.y.
1627+00
C = 5 s.f.
F = 15 s.f.
Exc. = 9 c.y.
Emb. = 29 c.y.
1626+50
C = 5 s.f.
F = 16 s.f.
Exc. = 9 c.y.
Emb. = 43 c.y.
1626+00
C = 5 s.f.
F = 30 s.f.
Exc. = 41 c.y.
Emb. = 32 c.y.
1625+50
C = 39 s.f.
F = 5 s.f.
Exc. = 42 c.y.
Emb. = 11 c.y.
1625+00
C = 6 s.f.
F = 7 s.f.
SCALE:
Horiz.: 1"=10'
Vert.: 1"=10'

SHEET No. 1 OF 25 SHEETS

ORIGINAL PLAN
NOTE BOOK dd6.george 3mamdxsl
No. ____
SURVEY PLOTTED BY ____ DATE
DRAWN BY K. Tom-Hirota / J.M. " r3-13-97
TRACED BY ____ "
DESIGNED BY J. Fujimoto/R. Takaesu "
QUANTITIES BY ____ "
CHECKED BY ____ "

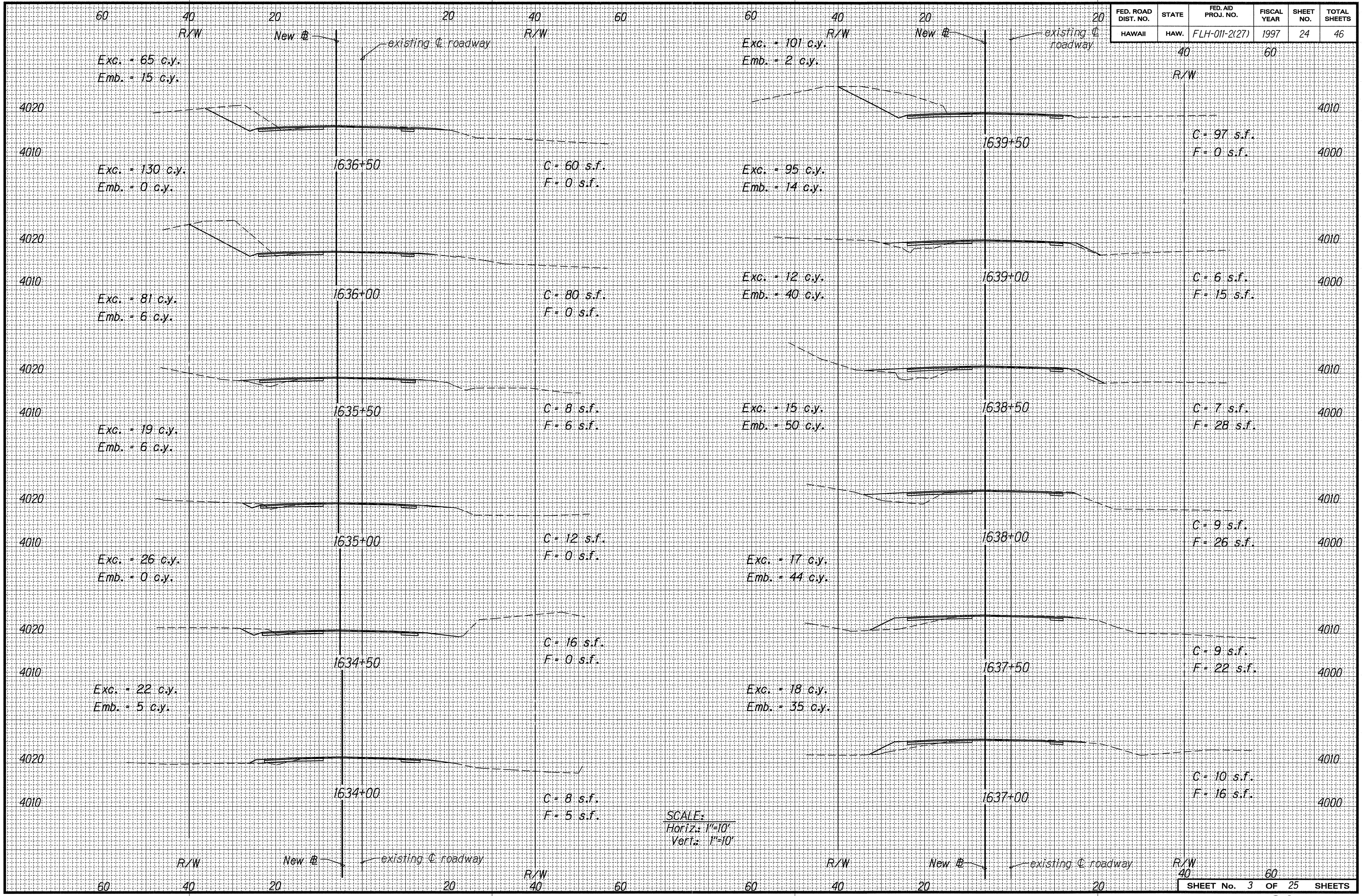
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	FLH-011-2(27)	1997	23	46


60
40
20
20
40
60
R/W
New ℄
existing ℄ roadway
R/W
Exc. = 21 c.y.
Emb. = 8 c.y.
4030
4020
1630+50
C = 13 s.f.
F = 1 s.f.
Exc. = 25 c.y.
Emb. = 2 c.y.
4030
4020
1630+00
C = 14 s.f.
F = 1 s.f.
Exc. = 50 c.y.
Emb. = 1 c.y.
4030
4020
1629+50
C = 40 s.f.
F = 0 s.f.
Exc. = 123 c.y.
Emb. = 0 c.y.
4030
4020
1629+00
C = 93 s.f.
F = 0 s.f.
Exc. = 118 c.y.
Emb. = 1 c.y.
4030
4020
1628+50
C = 34 s.f.
F = 1 s.f.
Exc. = 37 c.y.
Emb. = 6 c.y.
4020
4010
1628+00
C = 6 s.f.
F = 5 s.f.
R/W
New ℄
existing ℄ roadway
R/W
SCALE:
Horiz.: 1"=10'
Vert.: 1"=10'
60
40
20
20
40
60
R/W
New ℄
existing ℄ roadway
R/W
Exc. = 16 c.y.
Emb. = 10 c.y.
4030
4020
1633+50
C = 9 s.f.
F = 6 s.f.
Exc. = 17 c.y.
Emb. = 13 c.y.
4030
4020
1633+00
C = 9 s.f.
F = 8 s.f.
Exc. = 20 c.y.
Emb. = 8 c.y.
4030
4020
1632+50
C = 13 s.f.
F = 1 s.f.
Exc. = 38 c.y.
Emb. = 2 c.y.
4030
4020
1632+00
C = 28 s.f.
F = 1 s.f.
Exc. = 39 c.y.
Emb. = 1 c.y.
Mauna Loa Road
Mauna Loa Road
4030
4020
1631+50
C = 14 s.f.
F = 0 s.f.
Exc. = 22 c.y.
Emb. = 7 c.y.
4030
4020
1631+00
C = 10 s.f.
F = 8 s.f.
R/W
New ℄
existing ℄ roadway
R/W

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK dd6.george 3mamdxs2	DRAWN BY K. Tom-Hirota / J.M.	r3-13-97
	TRACED BY	"
	DESIGNED BY J. Fujimoto/R. Takaesu	"
	QUANTITIES BY	"
No.	CHECKED BY	"

SHEET No. 2 OF 25 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	FLH-011-2(27)	1997	24	46

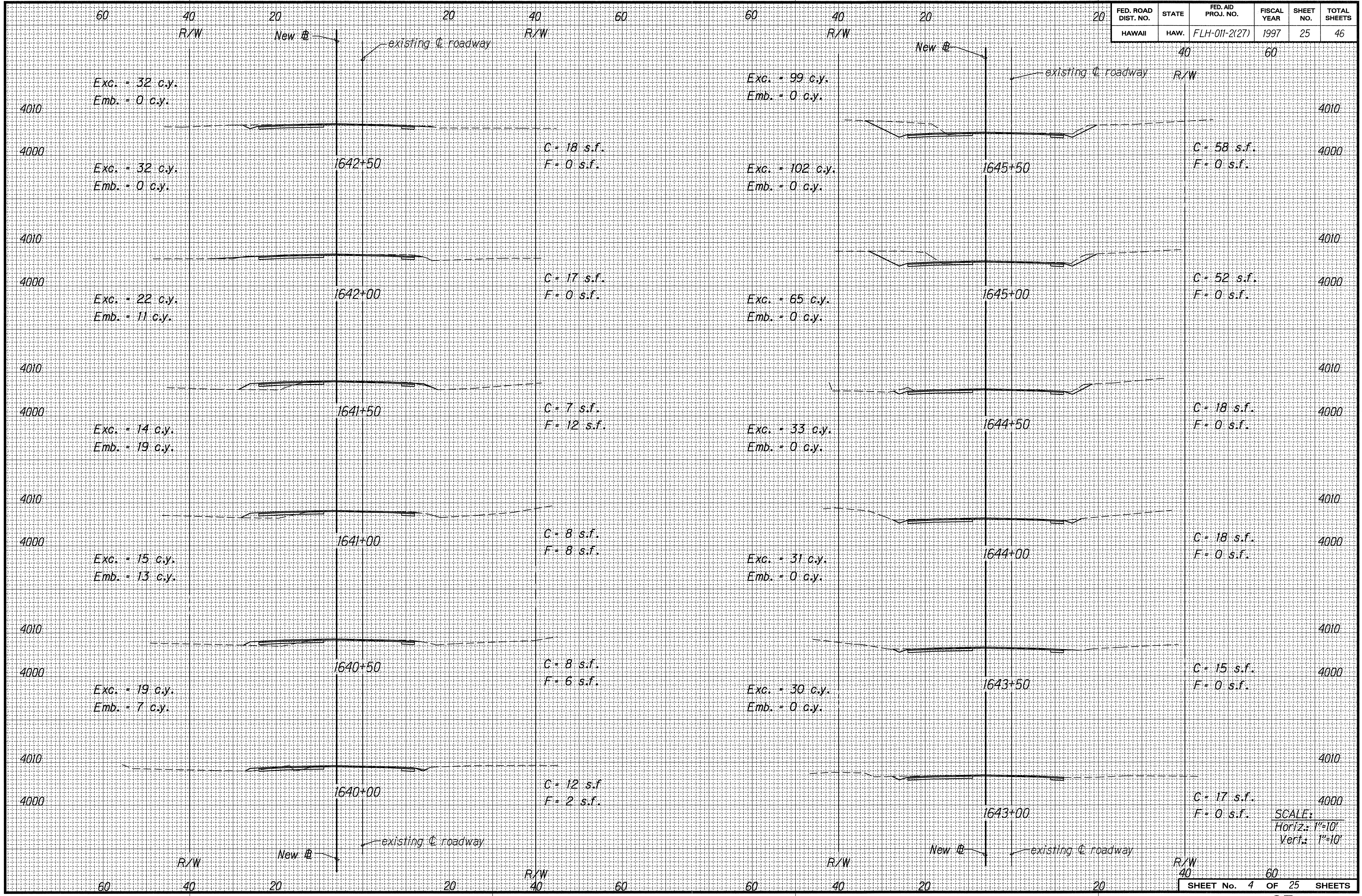

60
40
20
20
40
60
R/W
New ℄
existing ℄ roadway
R/W
Exc. = 65 c.y.
Emb. = 15 c.y.
4020
4010
1636+50
C = 60 s.f.
F = 0 s.f.
Exc. = 130 c.y.
Emb. = 0 c.y.
4020
4010
1636+00
C = 80 s.f.
F = 0 s.f.
Exc. = 81 c.y.
Emb. = 6 c.y.
4020
4010
1635+50
C = 8 s.f.
F = 6 s.f.
Exc. = 19 c.y.
Emb. = 6 c.y.
4020
4010
1635+00
C = 12 s.f.
F = 0 s.f.
Exc. = 26 c.y.
Emb. = 0 c.y.
4020
4010
1634+50
C = 16 s.f.
F = 0 s.f.
Exc. = 22 c.y.
Emb. = 5 c.y.
4020
4010
1634+00
C = 8 s.f.
F = 5 s.f.
R/W
New ℄
existing ℄ roadway
R/W
60
40
20
20
40
60
60
40
20
20
40
60
R/W
New ℄
existing ℄ roadway
R/W
Exc. = 101 c.y.
Emb. = 2 c.y.
4010
4000
1639+50
C = 97 s.f.
F = 0 s.f.
Exc. = 95 c.y.
Emb. = 14 c.y.
4010
4000
1639+00
Exc. = 12 c.y.
Emb. = 40 c.y.
C = 6 s.f.
F = 15 s.f.
4010
4000
1638+50
Exc. = 15 c.y.
Emb. = 50 c.y.
C = 7 s.f.
F = 28 s.f.
4010
4000
1638+00
C = 9 s.f.
F = 26 s.f.
Exc. = 17 c.y.
Emb. = 44 c.y.
4010
4000
1637+50
C = 9 s.f.
F = 22 s.f.
Exc. = 18 c.y.
Emb. = 35 c.y.
4010
4000
1637+00
C = 10 s.f.
F = 16 s.f.
R/W
New ℄
existing ℄ roadway
R/W
60
40
20
20
40
60

SCALE:
Horiz.: 1"=10'
Vert.: 1"=10'

SHEET No. 3 OF 25 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY K. Tom-Hirota / J.M.	r3-13-97
	TRACED BY	
NOTE BOOK dd6.george 3mamdxs3	DESIGNED BY J. Fujimoto/R. Takaesu	
	QUANTITIES BY	
No.	CHECKED BY	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	FLH-011-2(27)	1997	25	46

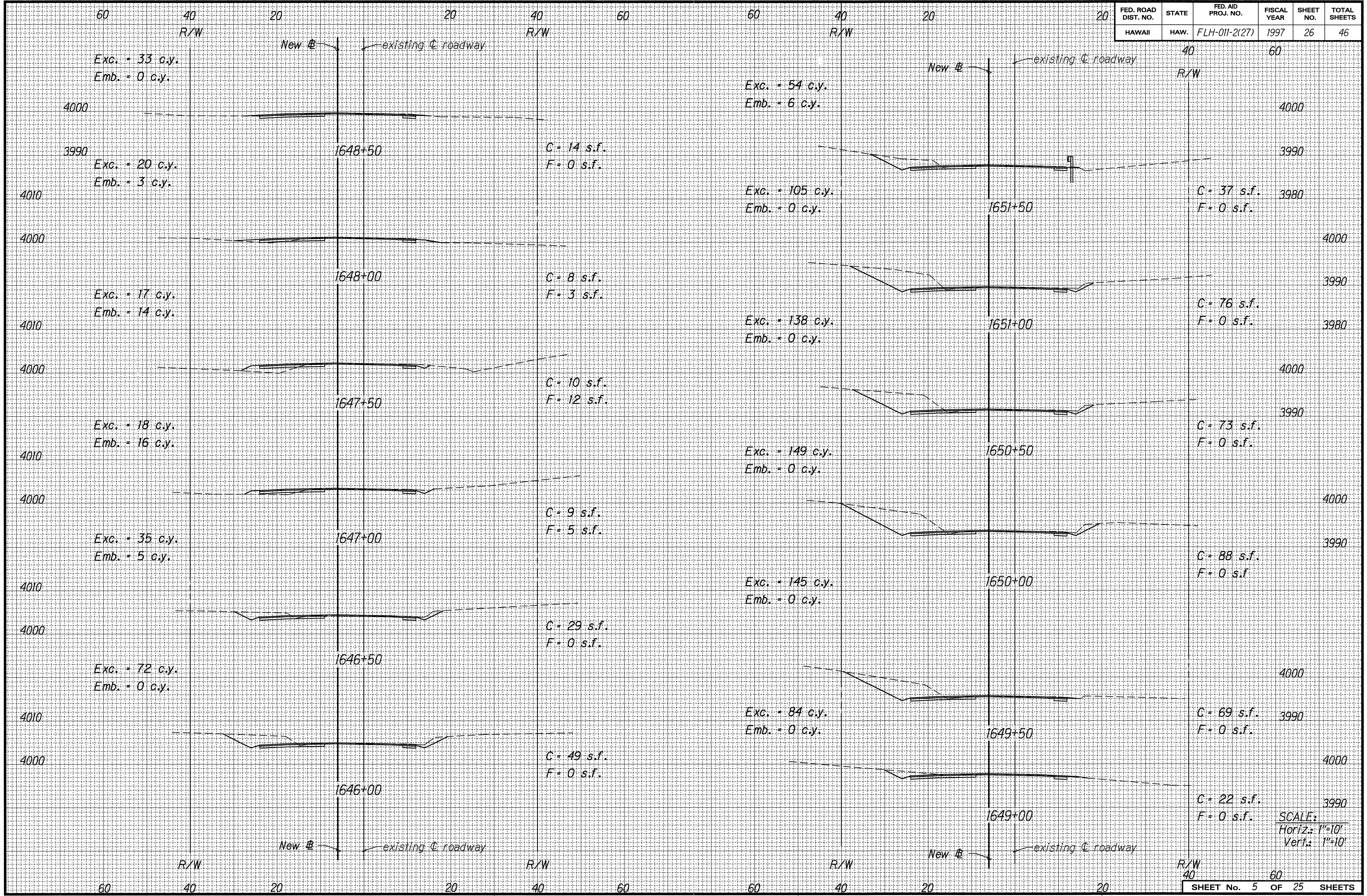

60
40
20
20
40
60
R/W
New ℄
existing ℄ roadway
R/W
Exc. = 32 c.y.
Emb. = 0 c.y.
4010
4000
C = 18 s.f.
F = 0 s.f.
1642+50
Exc. = 32 c.y.
Emb. = 0 c.y.
C = 17 s.f.
F = 0 s.f.
1642+00
Exc. = 22 c.y.
Emb. = 11 c.y.
C = 7 s.f.
F = 12 s.f.
1641+50
Exc. = 14 c.y.
Emb. = 19 c.y.
C = 8 s.f.
F = 8 s.f.
1641+00
Exc. = 15 c.y.
Emb. = 13 c.y.
C = 8 s.f.
F = 6 s.f.
1640+50
Exc. = 19 c.y.
Emb. = 7 c.y.
C = 12 s.f
F = 2 s.f.
1640+00
Exc. = 99 c.y.
Emb. = 0 c.y.
C = 58 s.f.
F = 0 s.f.
1645+50
Exc. = 102 c.y.
Emb. = 0 c.y.
C = 52 s.f.
F = 0 s.f.
1645+00
Exc. = 65 c.y.
Emb. = 0 c.y.
C = 18 s.f.
F = 0 s.f.
1644+50
Exc. = 33 c.y.
Emb. = 0 c.y.
C = 18 s.f.
F = 0 s.f.
1644+00
Exc. = 31 c.y.
Emb. = 0 c.y.
C = 15 s.f.
F = 0 s.f.
1643+50
Exc. = 30 c.y.
Emb. = 0 c.y.
C = 17 s.f.
F = 0 s.f.
1643+00

SCALE:
Horiz.: 1"=10'
Vert.: 1"=10'

SHEET No. 4 OF 25 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK dd6.george 3mamdxs4 No.	DRAWN BY K. Tom-Hirota / J.M.	r3-13-97
	TRACED BY	
	DESIGNED BY J. Fujimoto/R. Takaesu	
	QUANTITIES BY	
	CHECKED BY	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	FLH-011-2(27)	1997	26	46

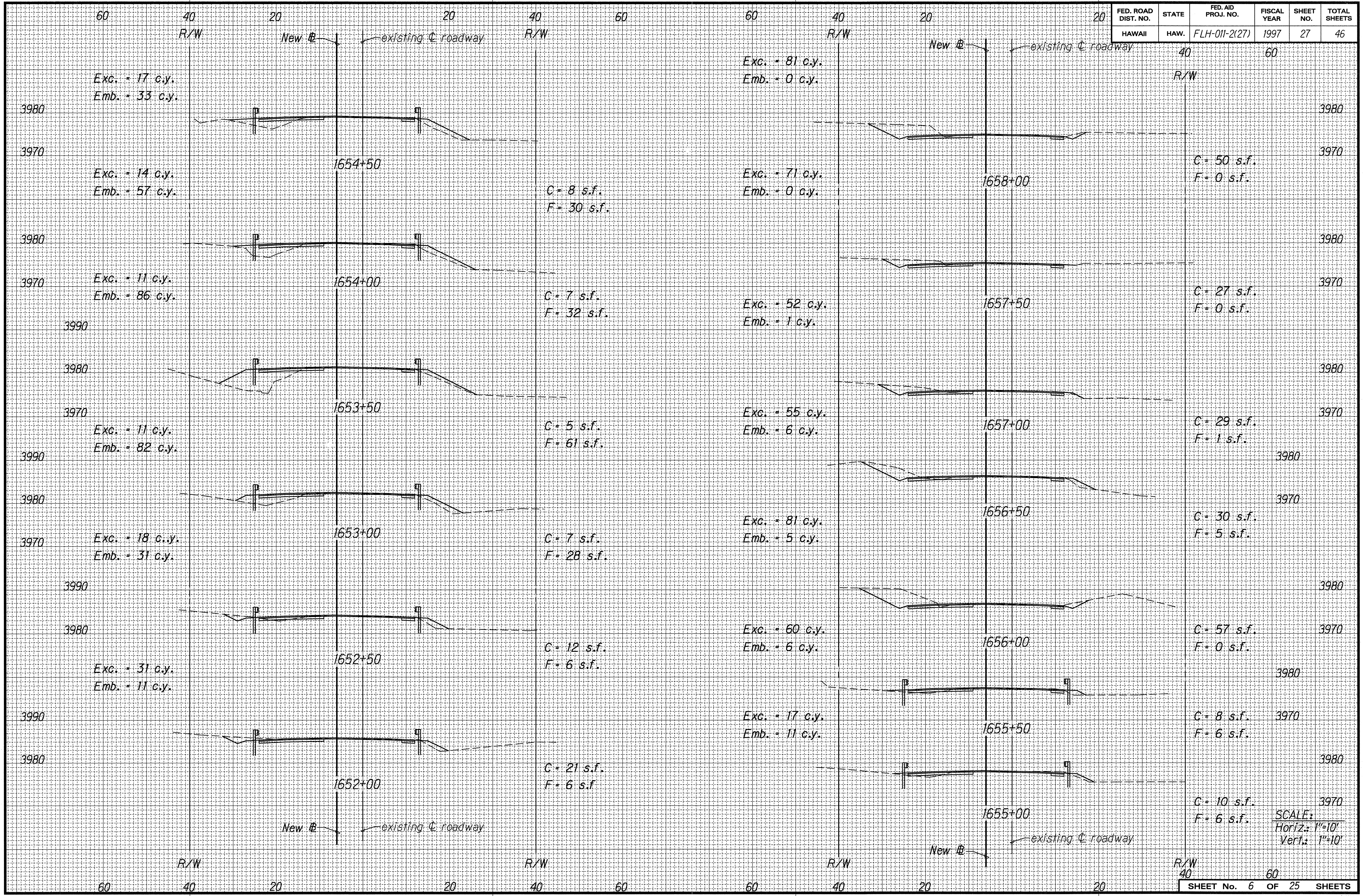


60
40
20
20
40
60
R/W
New ℄
existing ℄ roadway
Exc. = 33 c.y.
Emb. = 0 c.y.
4000
3990
1648+50
C = 14 s.f.
F = 0 s.f.
Exc. = 20 c.y.
Emb. = 3 c.y.
4010
4000
1648+00
C = 8 s.f.
F = 3 s.f.
Exc. = 17 c.y.
Emb. = 14 c.y.
4010
4000
1647+50
C = 10 s.f.
F = 12 s.f.
Exc. = 18 c.y.
Emb. = 16 c.y.
4010
4000
1647+00
C = 9 s.f.
F = 5 s.f.
Exc. = 35 c.y.
Emb. = 5 c.y.
4010
4000
1646+50
C = 29 s.f.
F = 0 s.f.
Exc. = 72 c.y.
Emb. = 0 c.y.
4010
4000
1646+00
C = 49 s.f.
F = 0 s.f.
Exc. = 54 c.y.
Emb. = 6 c.y.
4000
3990
1651+50
C = 37 s.f.
F = 0 s.f.
3980
Exc. = 105 c.y.
Emb. = 0 c.y.
4000
3990
1651+00
C = 76 s.f.
F = 0 s.f.
3980
Exc. = 138 c.y.
Emb. = 0 c.y.
4000
3990
1650+50
C = 73 s.f.
F = 0 s.f.
Exc. = 149 c.y.
Emb. = 0 c.y.
4000
3990
1650+00
C = 88 s.f.
F = 0 s.f
Exc. = 145 c.y.
Emb. = 0 c.y.
4000
3990
1649+50
C = 69 s.f.
F = 0 s.f.
Exc. = 84 c.y.
Emb. = 0 c.y.
4000
3990
1649+00
C = 22 s.f.
F = 0 s.f.

SCALE:
Horiz.: 1"=10'
Vert.: 1"=10'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY K. Tom-Hirota / J.M.	r3-13-97
	TRACED BY	
NOTE BOOK dd6.george 3mamdxs5	DESIGNED BY J. Fujimoto/R. Takaesu	
No.	QUANTITIES BY	
	CHECKED BY	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	FLH-011-2(27)	1997	27	46

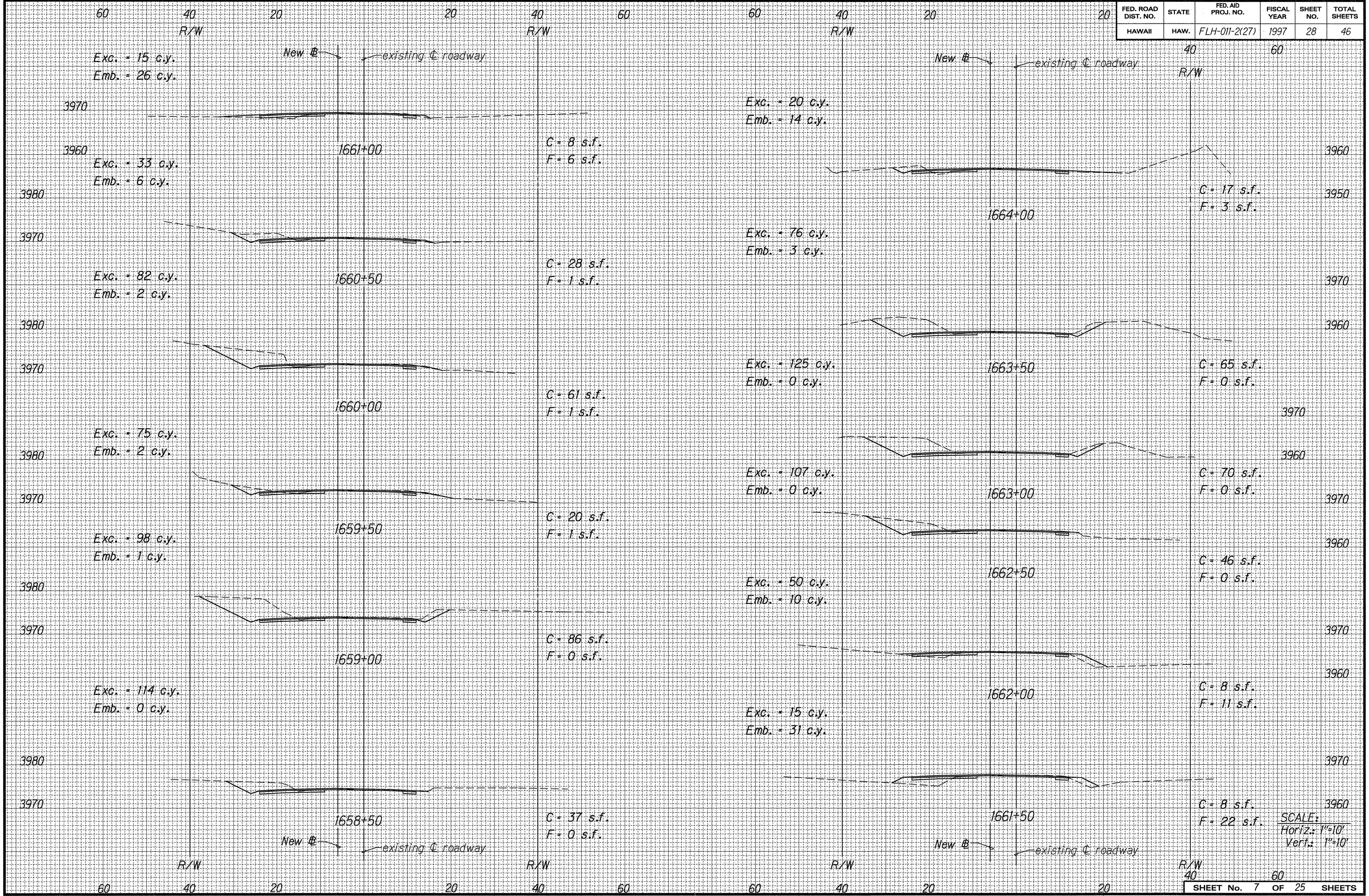

60
40
20
20
40
60
R/W
New ℄
existing ℄ roadway
R/W
Exc. = 17 c.y.
Emb. = 33 c.y.
3980
3970
1654+50
Exc. = 14 c.y.
Emb. = 57 c.y.
C = 8 s.f.
F = 30 s.f.
3980
3970
1654+00
Exc. = 11 c.y.
Emb. = 86 c.y.
C = 7 s.f.
F = 32 s.f.
3990
3980
3970
1653+50
Exc. = 11 c.y.
Emb. = 82 c.y.
C = 5 s.f.
F = 61 s.f.
3990
3980
3970
1653+00
Exc. = 18 c.y.
Emb. = 31 c.y.
C = 7 s.f.
F = 28 s.f.
3990
3980
1652+50
Exc. = 31 c.y.
Emb. = 11 c.y.
C = 12 s.f.
F = 6 s.f.
3990
3980
1652+00
C = 21 s.f.
F = 6 s.f
New ℄
existing ℄ roadway
R/W
R/W
60
40
20
20
40
60
60
40
20
20
R/W
New ℄
existing ℄ roadway
40
60
R/W
Exc. = 81 c.y.
Emb. = 0 c.y.
3980
3970
1658+00
Exc. = 71 c.y.
Emb. = 0 c.y.
C = 50 s.f.
F = 0 s.f.
3980
3970
1657+50
Exc. = 52 c.y.
Emb. = 1 c.y.
C = 27 s.f.
F = 0 s.f.
3980
3970
1657+00
Exc. = 55 c.y.
Emb. = 6 c.y.
C = 29 s.f.
F = 1 s.f.
3980
3970
1656+50
Exc. = 81 c.y.
Emb. = 5 c.y.
C = 30 s.f.
F = 5 s.f.
3980
3970
1656+00
Exc. = 60 c.y.
Emb. = 6 c.y.
C = 57 s.f.
F = 0 s.f.
3980
3970
1655+50
Exc. = 17 c.y.
Emb. = 11 c.y.
C = 8 s.f.
F = 6 s.f.
3980
3970
1655+00
C = 10 s.f.
F = 6 s.f.
New ℄
existing ℄ roadway
R/W
R/W
60
40
20
20
40
60

SCALE:
Horiz.: 1" = 10'
Vert.: 1" = 10'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK dd6.george 3mamdxs6	DRAWN BY K. Tom-Hirota / J.M.	r3-13-97
No.	TRACED BY	
	DESIGNED BY J. Fujimoto/R. Takaesu	
	QUANTITIES BY	
	CHECKED BY	

SHEET No. 6 OF 25 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	FLH-011-2(27)	1997	28	46



60
40
20
20
40
60
R/W
R/W
New ℄
existing ℄ roadway
Exc. = 15 c.y.
Emb. = 26 c.y.
3970
3960
1661+00
C = 8 s.f.
F = 6 s.f.
Exc. = 33 c.y.
Emb. = 6 c.y.
3980
3970
1660+50
C = 28 s.f.
F = 1 s.f.
Exc. = 82 c.y.
Emb. = 2 c.y.
3980
3970
1660+00
C = 61 s.f.
F = 1 s.f.
Exc. = 75 c.y.
Emb. = 2 c.y.
3980
3970
1659+50
C = 20 s.f.
F = 1 s.f.
Exc. = 98 c.y.
Emb. = 1 c.y.
3980
3970
1659+00
C = 86 s.f.
F = 0 s.f.
Exc. = 114 c.y.
Emb. = 0 c.y.
3980
3970
1658+50
C = 37 s.f.
F = 0 s.f.
New ℄
existing ℄ roadway
R/W
R/W
60
40
20
20
40
60
60
40
20
20
40
60
R/W
R/W
New ℄
existing ℄ roadway
Exc. = 20 c.y.
Emb. = 14 c.y.
3960
3950
1664+00
C = 17 s.f.
F = 3 s.f.
Exc. = 76 c.y.
Emb. = 3 c.y.
3970
3960
1663+50
C = 65 s.f.
F = 0 s.f.
Exc. = 125 c.y.
Emb. = 0 c.y.
3970
3960
1663+00
C = 70 s.f.
F = 0 s.f.
Exc. = 107 c.y.
Emb. = 0 c.y.
3970
3960
1662+50
C = 46 s.f.
F = 0 s.f.
Exc. = 50 c.y.
Emb. = 10 c.y.
3970
3960
1662+00
C = 8 s.f.
F = 11 s.f.
Exc. = 15 c.y.
Emb. = 31 c.y.
3970
3960
1661+50
C = 8 s.f.
F = 22 s.f.
New ℄
existing ℄ roadway
R/W
R/W
60
40
20
20
40
60

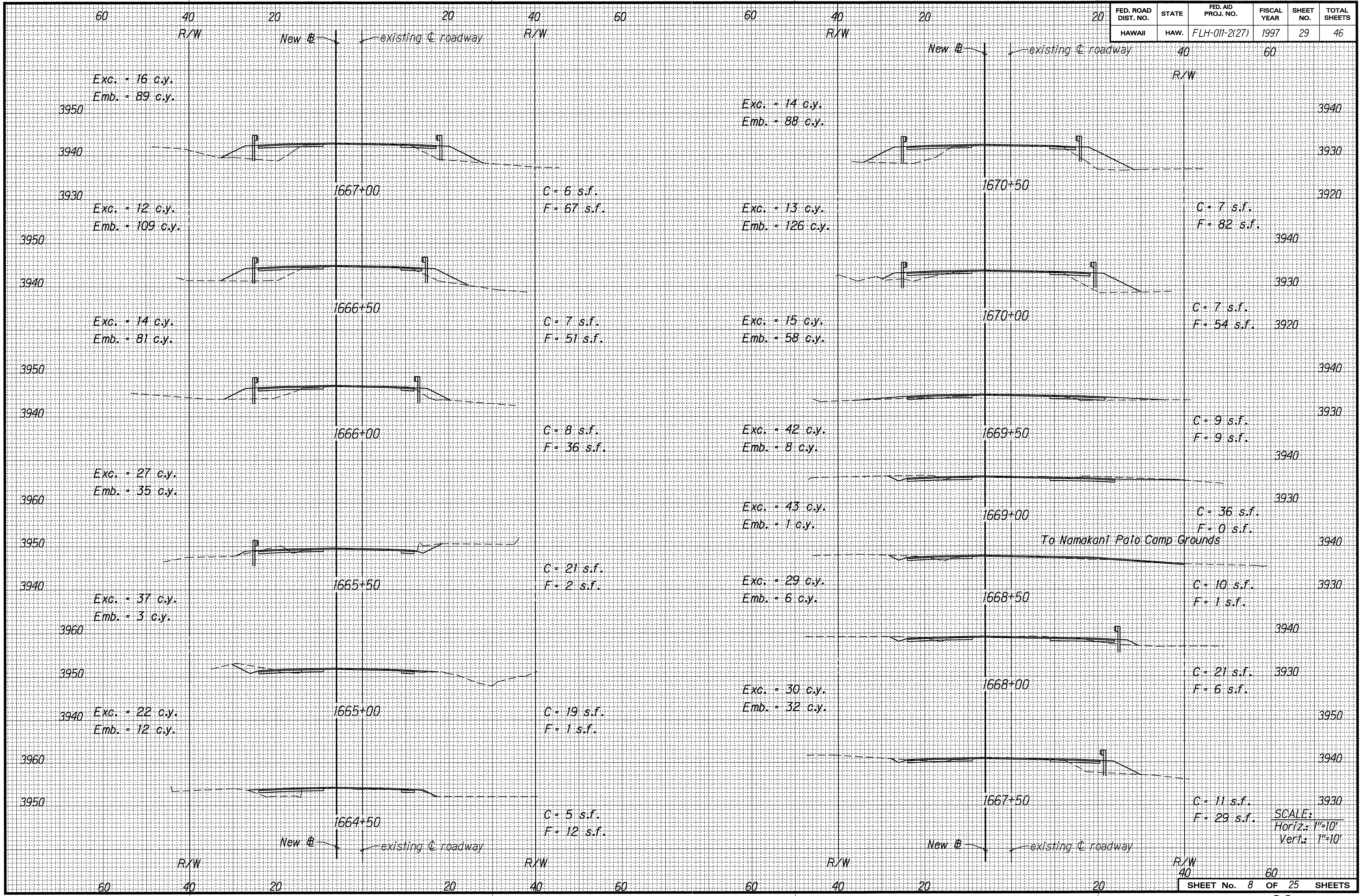
SCALE:
Horiz.: 1"=10'
Vert.: 1"=10'

SHEET No. 7 OF 25 SHEETS

ORIGINAL PLAN
NOTE BOOK dd6.george 3mamdxs7
No. ____

SURVEY PLOTTED BY ____ DATE
DRAWN BY K. Tom-Hirota / J.M. " r3-13-97
TRACED BY ____ "
DESIGNED BY J. Fujimoto/R. Takaesu "
QUANTITIES BY ____ "
CHECKED BY ____ "

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	FLH-011-2(27)	1997	29	46



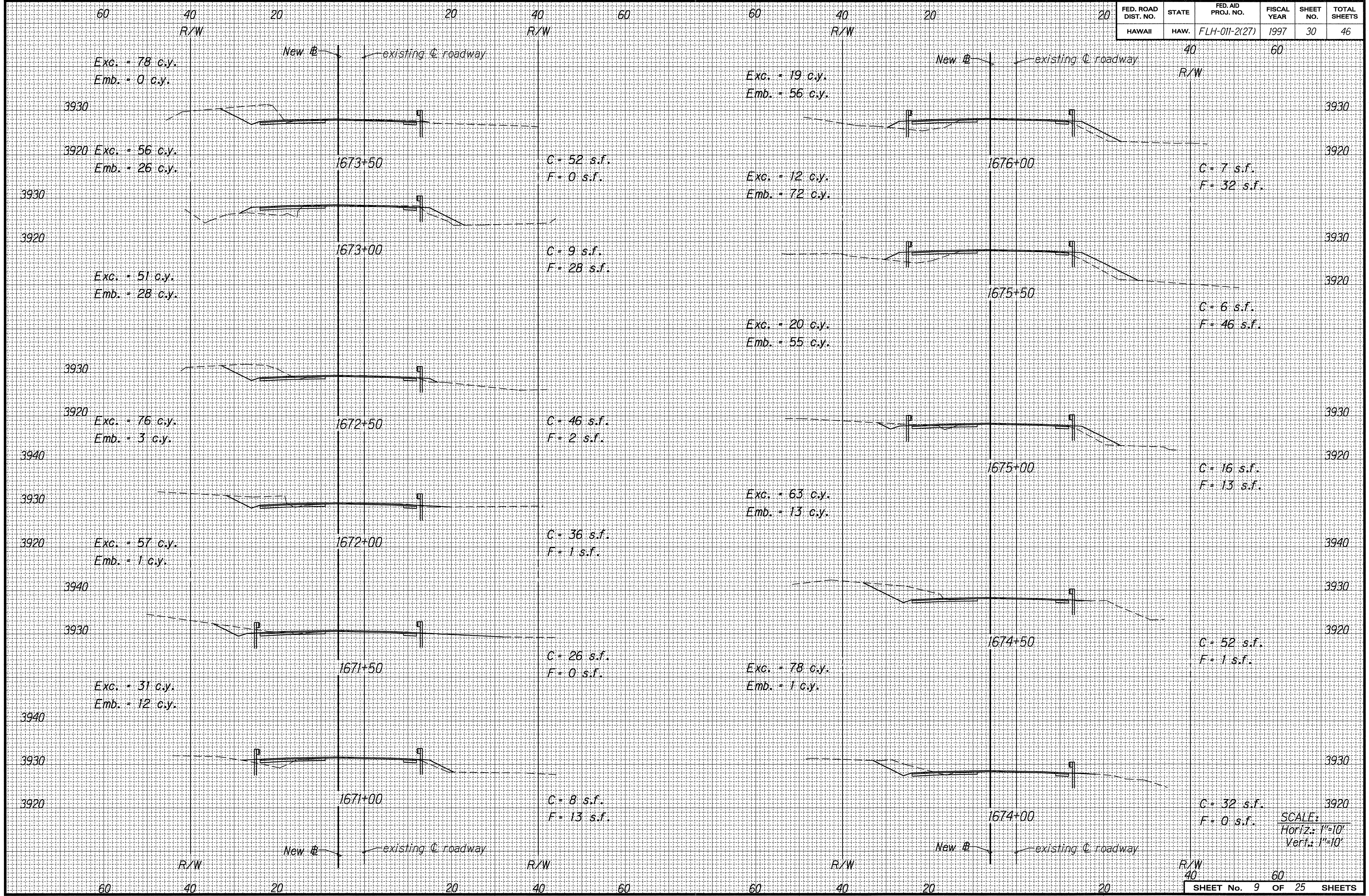
60
40
20
20
40
60
R/W
New ℄
existing ℄ roadway
R/W
Exc. = 16 c.y.
Emb. = 89 c.y.
3950
3940
1667+00
C = 6 s.f.
F = 67 s.f.
3930
Exc. = 12 c.y.
Emb. = 109 c.y.
3950
3940
1666+50
C = 7 s.f.
F = 51 s.f.
Exc. = 14 c.y.
Emb. = 81 c.y.
3950
3940
1666+00
C = 8 s.f.
F = 36 s.f.
Exc. = 27 c.y.
Emb. = 35 c.y.
3960
3950
3940
1665+50
C = 21 s.f.
F = 2 s.f.
Exc. = 37 c.y.
Emb. = 3 c.y.
3960
3950
3940
1665+00
C = 19 s.f.
F = 1 s.f.
Exc. = 22 c.y.
Emb. = 12 c.y.
3960
3950
1664+50
C = 5 s.f.
F = 12 s.f.
New ℄
existing ℄ roadway
R/W
R/W
60
40
20
20
40
60
60
40
20
20
40
60
R/W
New ℄
existing ℄ roadway
R/W
Exc. = 14 c.y.
Emb. = 88 c.y.
3940
3930
1670+50
3920
C = 7 s.f.
F = 82 s.f.
Exc. = 13 c.y.
Emb. = 126 c.y.
3940
3930
1670+00
C = 7 s.f.
F = 54 s.f.
3920
Exc. = 15 c.y.
Emb. = 58 c.y.
3940
3930
1669+50
C = 9 s.f.
F = 9 s.f.
Exc. = 42 c.y.
Emb. = 8 c.y.
3940
3930
1669+00
C = 36 s.f.
F = 0 s.f.
To Namakani Paio Camp Grounds
Exc. = 43 c.y.
Emb. = 1 c.y.
3940
3930
1668+50
C = 10 s.f.
F = 1 s.f.
Exc. = 29 c.y.
Emb. = 6 c.y.
3940
3930
1668+00
C = 21 s.f.
F = 6 s.f.
Exc. = 30 c.y.
Emb. = 32 c.y.
3950
3940
3930
1667+50
C = 11 s.f.
F = 29 s.f.
New ℄
existing ℄ roadway
R/W
R/W
60
40
20
20
40
60

SCALE:
Horiz.: 1"=10'
Vert.: 1"=10'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK dd6.george 3mamdxs8	DRAWN BY K. Tom-Hirota / J.M.	r3-13-97
No.	TRACED BY	
	DESIGNED BY J. Fujimoto/R. Takaesu	
	QUANTITIES BY	
	CHECKED BY	

SHEET No. 8 OF 25 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	FLH-011-2(27)	1997	30	46



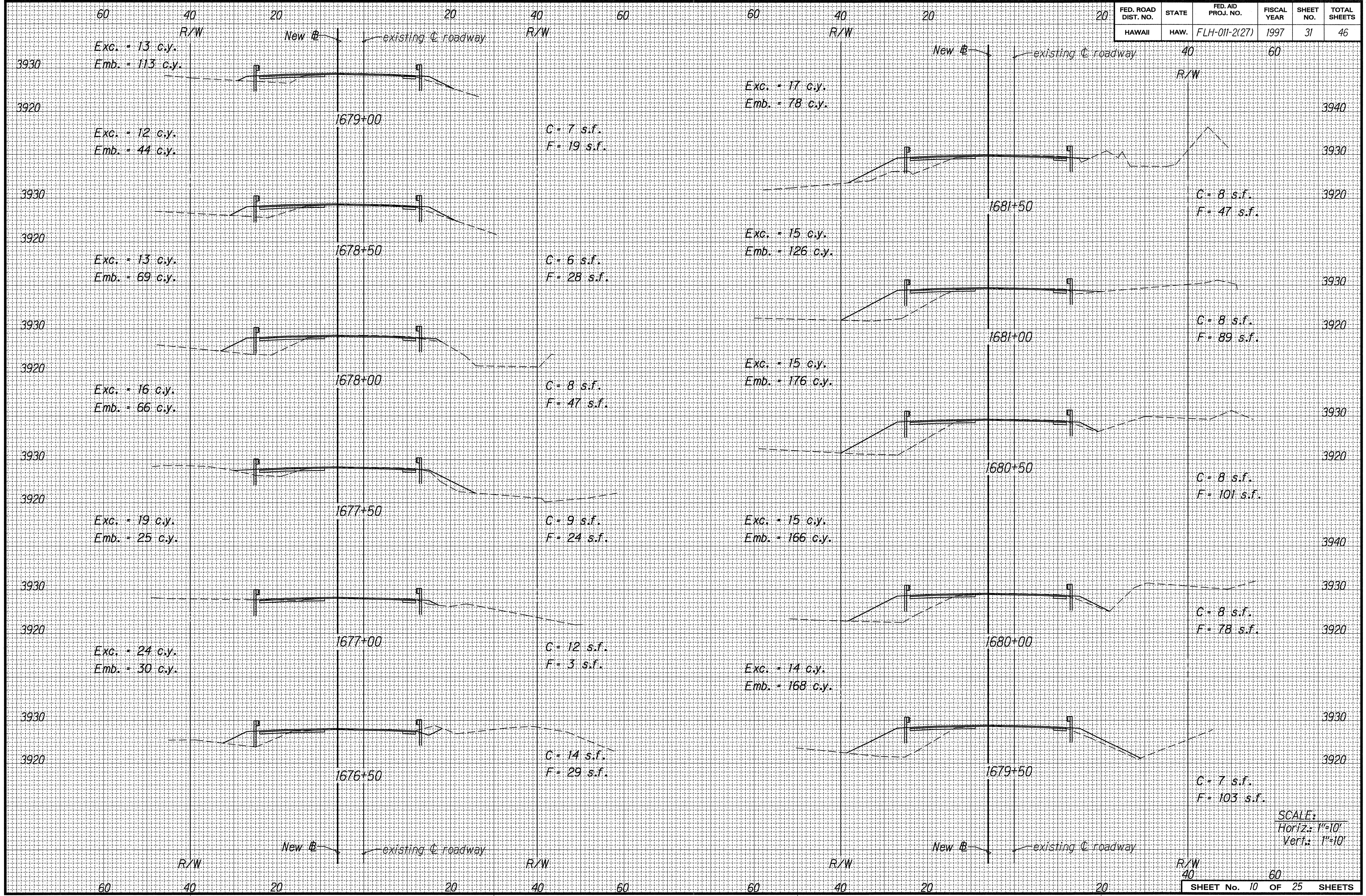
60
40
20
20
40
60
R/W
New ℄
existing ℄ roadway
Exc. = 78 c.y.
Emb. = 0 c.y.
3930
3920
1673+50
C = 52 s.f.
F = 0 s.f.
Exc. = 56 c.y.
Emb. = 26 c.y.
3930
3920
1673+00
C = 9 s.f.
F = 28 s.f.
Exc. = 51 c.y.
Emb. = 28 c.y.
3930
3920
1672+50
C = 46 s.f.
F = 2 s.f.
Exc. = 76 c.y.
Emb. = 3 c.y.
3940
3930
3920
1672+00
C = 36 s.f.
F = 1 s.f.
Exc. = 57 c.y.
Emb. = 1 c.y.
3940
3930
1671+50
C = 26 s.f.
F = 0 s.f.
Exc. = 31 c.y.
Emb. = 12 c.y.
3940
3930
3920
1671+00
C = 8 s.f.
F = 13 s.f.
Exc. = 19 c.y.
Emb. = 56 c.y.
1676+00
C = 7 s.f.
F = 32 s.f.
Exc. = 12 c.y.
Emb. = 72 c.y.
1675+50
C = 6 s.f.
F = 46 s.f.
Exc. = 20 c.y.
Emb. = 55 c.y.
1675+00
C = 16 s.f.
F = 13 s.f.
Exc. = 63 c.y.
Emb. = 13 c.y.
1674+50
C = 52 s.f.
F = 1 s.f.
Exc. = 78 c.y.
Emb. = 1 c.y.
1674+00
C = 32 s.f.
F = 0 s.f.

SCALE:
Horiz.: 1"=10'
Vert.: 1"=10'

SHEET No. 9 OF 25 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY K. Tom-Hirota / J.M.	r3-13-97
	TRACED BY	"
NOTE BOOK dd6.george 3mamdxs9	DESIGNED BY J. Fujimoto/R. Takaesu	"
	QUANTITIES BY	"
No.	CHECKED BY	"

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	FLH-011-2(27)	1997	31	46

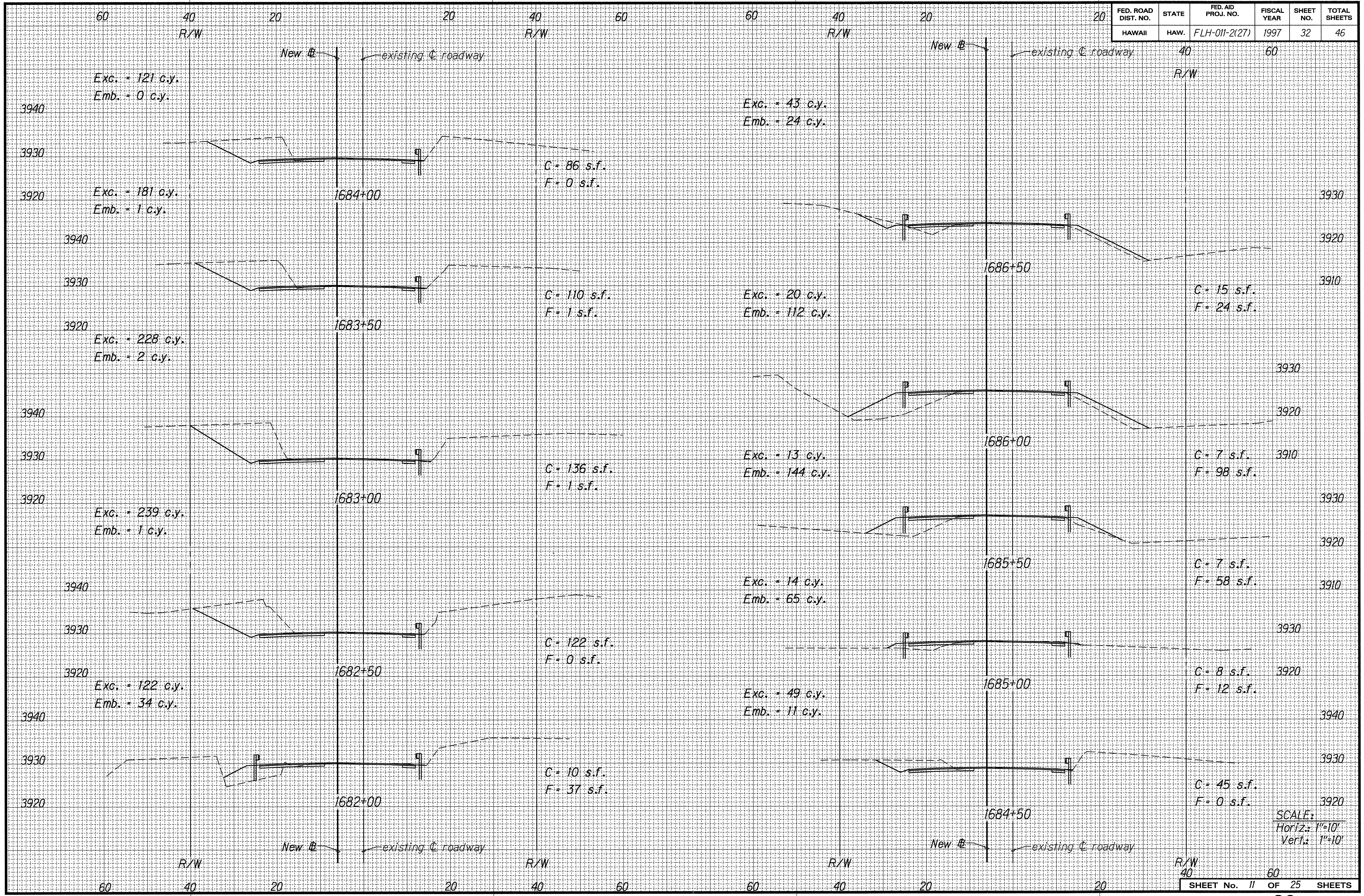

60
40
20
20
40
60
R/W
New ℄
existing ℄ roadway
3930
3920
3940
Exc. = 13 c.y.
Emb. = 113 c.y.
1679+00
C = 7 s.f.
F = 19 s.f.
Exc. = 12 c.y.
Emb. = 44 c.y.
1678+50
C = 6 s.f.
F = 28 s.f.
Exc. = 13 c.y.
Emb. = 69 c.y.
1678+00
C = 8 s.f.
F = 47 s.f.
Exc. = 16 c.y.
Emb. = 66 c.y.
1677+50
C = 9 s.f.
F = 24 s.f.
Exc. = 19 c.y.
Emb. = 25 c.y.
1677+00
C = 12 s.f.
F = 3 s.f.
Exc. = 24 c.y.
Emb. = 30 c.y.
1676+50
C = 14 s.f.
F = 29 s.f.
Exc. = 17 c.y.
Emb. = 78 c.y.
1681+50
C = 8 s.f.
F = 47 s.f.
Exc. = 15 c.y.
Emb. = 126 c.y.
1681+00
C = 8 s.f.
F = 89 s.f.
Exc. = 15 c.y.
Emb. = 176 c.y.
1680+50
C = 8 s.f.
F = 101 s.f.
Exc. = 15 c.y.
Emb. = 166 c.y.
1680+00
C = 8 s.f.
F = 78 s.f.
Exc. = 14 c.y.
Emb. = 168 c.y.
1679+50
C = 7 s.f.
F = 103 s.f.

SCALE:
Horiz.: 1"=10'
Vert.: 1"=10'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK dd6.george 3mamdxs10 №.	DRAWN BY K. Tom-Hirota / J.M.	r3-13-97
	TRACED BY	
	DESIGNED BY J. Fujimoto/R. Takaesu	
	QUANTITIES BY	
	CHECKED BY	

SHEET No. 10 OF 25 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	FLH-011-2(27)	1997	32	46



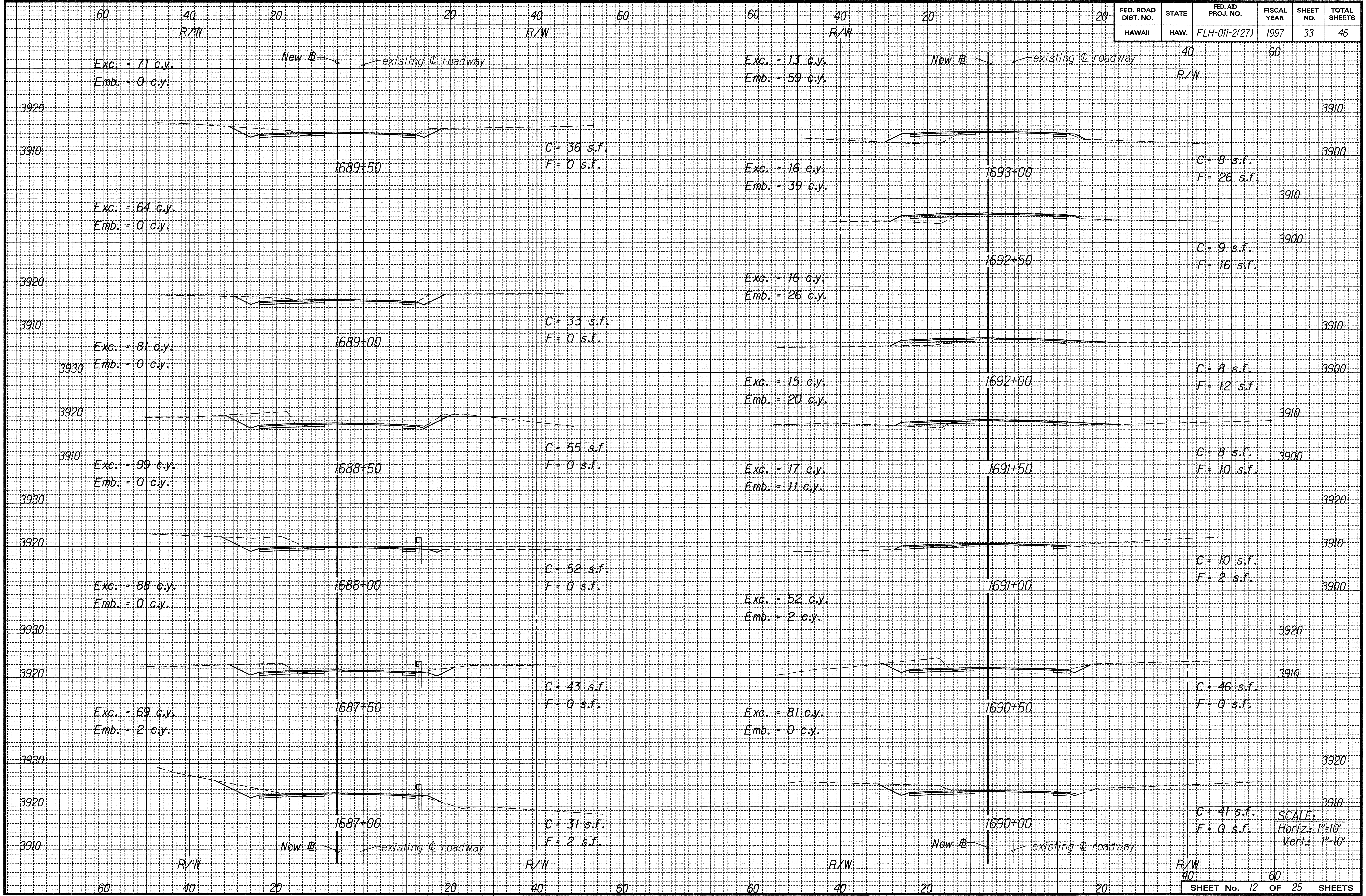
60
40
20
20
40
60
R/W
New ℄
existing ℄ roadway
Exc. - 121 c.y.
Emb. - 0 c.y.
3940
3930
C - 86 s.f.
F - 0 s.f.
3920
1684+00
Exc. - 181 c.y.
Emb. - 1 c.y.
3940
3930
C - 110 s.f.
F - 1 s.f.
3920
1683+50
Exc. - 228 c.y.
Emb. - 2 c.y.
3940
3930
C - 136 s.f.
F - 1 s.f.
3920
1683+00
Exc. - 239 c.y.
Emb. - 1 c.y.
3940
3930
C - 122 s.f.
F - 0 s.f.
3920
1682+50
Exc. - 122 c.y.
Emb. - 34 c.y.
3940
3930
C - 10 s.f.
F - 37 s.f.
3920
1682+00
Exc. - 43 c.y.
Emb. - 24 c.y.
3930
3920
1686+50
3910
C - 15 s.f.
F - 24 s.f.
Exc. - 20 c.y.
Emb. - 112 c.y.
3930
3920
1686+00
3910
C - 7 s.f.
F - 98 s.f.
Exc. - 13 c.y.
Emb. - 144 c.y.
3930
3920
1685+50
3910
C - 7 s.f.
F - 58 s.f.
Exc. - 14 c.y.
Emb. - 65 c.y.
3930
3920
1685+00
C - 8 s.f.
F - 12 s.f.
Exc. - 49 c.y.
Emb. - 11 c.y.
3940
3930
3920
1684+50
C - 45 s.f.
F - 0 s.f.

SCALE:
Horiz.: 1"=10'
Vert.: 1"=10'

SHEET No. 11 OF 25 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY		DATE
NOTE BOOK dd6.george 3mamdxs11 No.	DRAWN BY	K. Tom-Hirota / J.M.	r3-13-97
	TRACED BY		
	DESIGNED BY	J. Fujimoto/R. Takaesu	
	QUANTITIES BY		
	CHECKED BY		

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	FLH-011-2(27)	1997	33	46



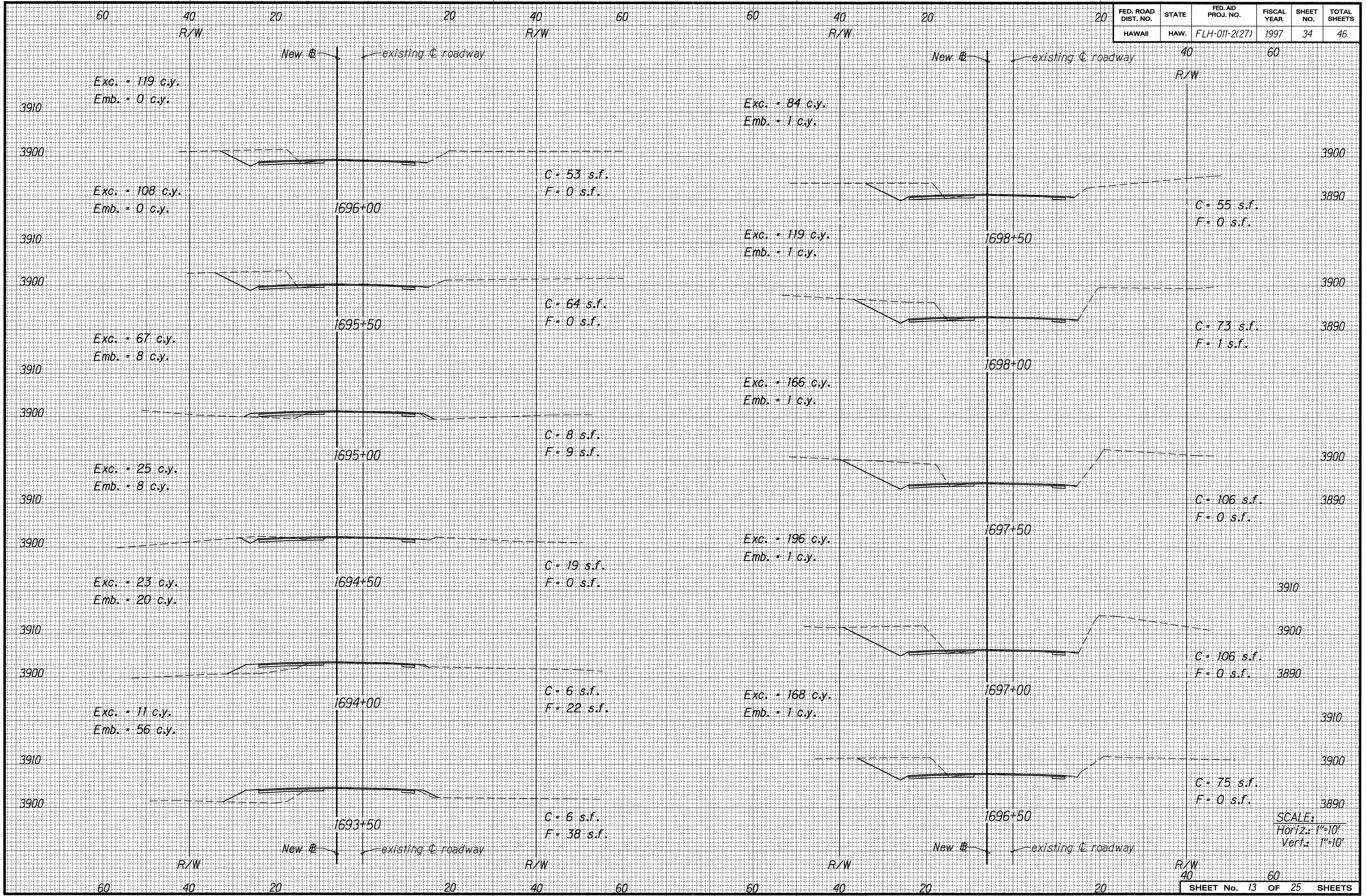
60
40
20
20
40
60
R/W
New ℄
existing ℄ roadway
Exc. = 71 c.y.
Emb. = 0 c.y.
3920
3910
1689+50
C = 36 s.f.
F = 0 s.f.
Exc. = 64 c.y.
Emb. = 0 c.y.
3920
3910
1689+00
C = 33 s.f.
F = 0 s.f.
Exc. = 81 c.y.
Emb. = 0 c.y.
3930
3920
3910
1688+50
C = 55 s.f.
F = 0 s.f.
Exc. = 99 c.y.
Emb. = 0 c.y.
3930
3920
1688+00
C = 52 s.f.
F = 0 s.f.
Exc. = 88 c.y.
Emb. = 0 c.y.
3930
3920
1687+50
C = 43 s.f.
F = 0 s.f.
Exc. = 69 c.y.
Emb. = 2 c.y.
3930
3920
3910
1687+00
C = 31 s.f.
F = 2 s.f.
Exc. = 13 c.y.
Emb. = 59 c.y.
3910
3900
1693+00
C = 8 s.f.
F = 26 s.f.
Exc. = 16 c.y.
Emb. = 39 c.y.
3910
3900
1692+50
C = 9 s.f.
F = 16 s.f.
Exc. = 16 c.y.
Emb. = 26 c.y.
3910
3900
1692+00
C = 8 s.f.
F = 12 s.f.
Exc. = 15 c.y.
Emb. = 20 c.y.
3910
3900
1691+50
C = 8 s.f.
F = 10 s.f.
Exc. = 17 c.y.
Emb. = 11 c.y.
3920
3910
3900
1691+00
C = 10 s.f.
F = 2 s.f.
Exc. = 52 c.y.
Emb. = 2 c.y.
3920
3910
1690+50
C = 46 s.f.
F = 0 s.f.
Exc. = 81 c.y.
Emb. = 0 c.y.
3920
3910
1690+00
C = 41 s.f.
F = 0 s.f.

SCALE:
Horiz.: 1"=10'
Vert.: 1"=10'

SHEET No. 12 OF 25 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK dd6.george 3mamdxsl2 No.	DRAWN BY K. Tom-Hirota / J.M.	r3-13-97
	TRACED BY	"
	DESIGNED BY J. Fujimoto/R. Takaesu	"
	QUANTITIES BY	"
	CHECKED BY	"

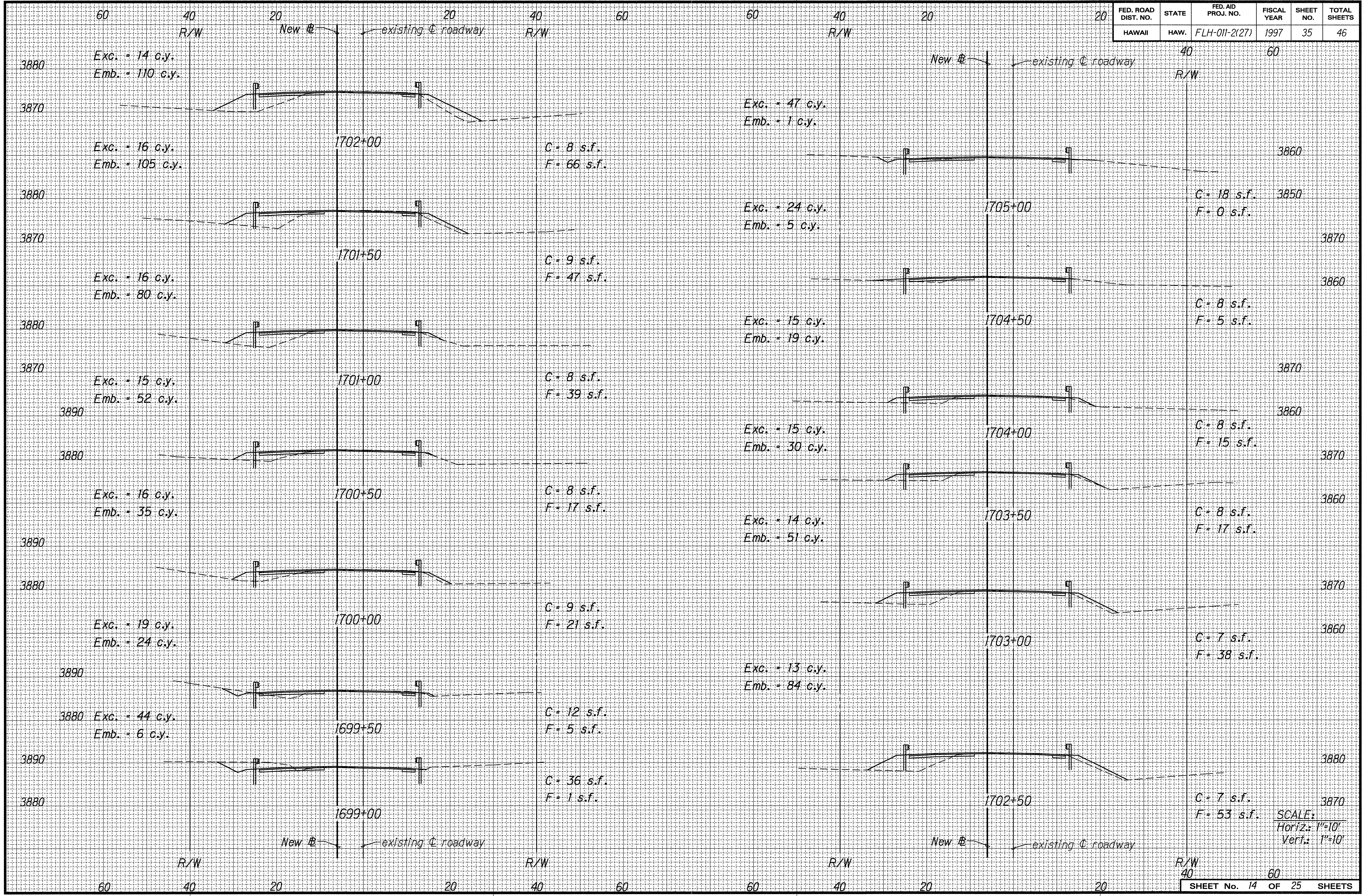
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	FLH-011-2(27)	1997	34	46


60
40
20
20
40
60
R/W
New ℄
existing ℄ roadway
Exc. = 119 c.y.
Emb. = 0 c.y.
3910
3900
C = 53 s.f.
F = 0 s.f.
1696+00
Exc. = 108 c.y.
Emb. = 0 c.y.
C = 64 s.f.
F = 0 s.f.
1695+50
Exc. = 67 c.y.
Emb. = 8 c.y.
C = 8 s.f.
F = 9 s.f.
1695+00
Exc. = 25 c.y.
Emb. = 8 c.y.
C = 19 s.f.
F = 0 s.f.
1694+50
Exc. = 23 c.y.
Emb. = 20 c.y.
C = 6 s.f.
F = 22 s.f.
1694+00
Exc. = 11 c.y.
Emb. = 56 c.y.
C = 6 s.f.
F = 38 s.f.
1693+50
Exc. = 84 c.y.
Emb. = 1 c.y.
3890
C = 55 s.f.
F = 0 s.f.
1698+50
Exc. = 119 c.y.
Emb. = 1 c.y.
C = 73 s.f.
F = 1 s.f.
1698+00
Exc. = 166 c.y.
Emb. = 1 c.y.
C = 106 s.f.
F = 0 s.f.
1697+50
Exc. = 196 c.y.
Emb. = 1 c.y.
C = 106 s.f.
F = 0 s.f.
1697+00
Exc. = 168 c.y.
Emb. = 1 c.y.
C = 75 s.f.
F = 0 s.f.
1696+50
SCALE:
Horiz.: 1"=10'
Vert.: 1"=10'

SHEET No. 13 OF 25 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK dd6.george 3mamdxs13 No.	DRAWN BY K. Tom-Hirota / J.M.	r3-13-97
	TRACED BY	
	DESIGNED BY J. Fujimoto/R. Takaesu	
	QUANTITIES BY	
	CHECKED BY	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	FLH-011-2(27)	1997	35	46

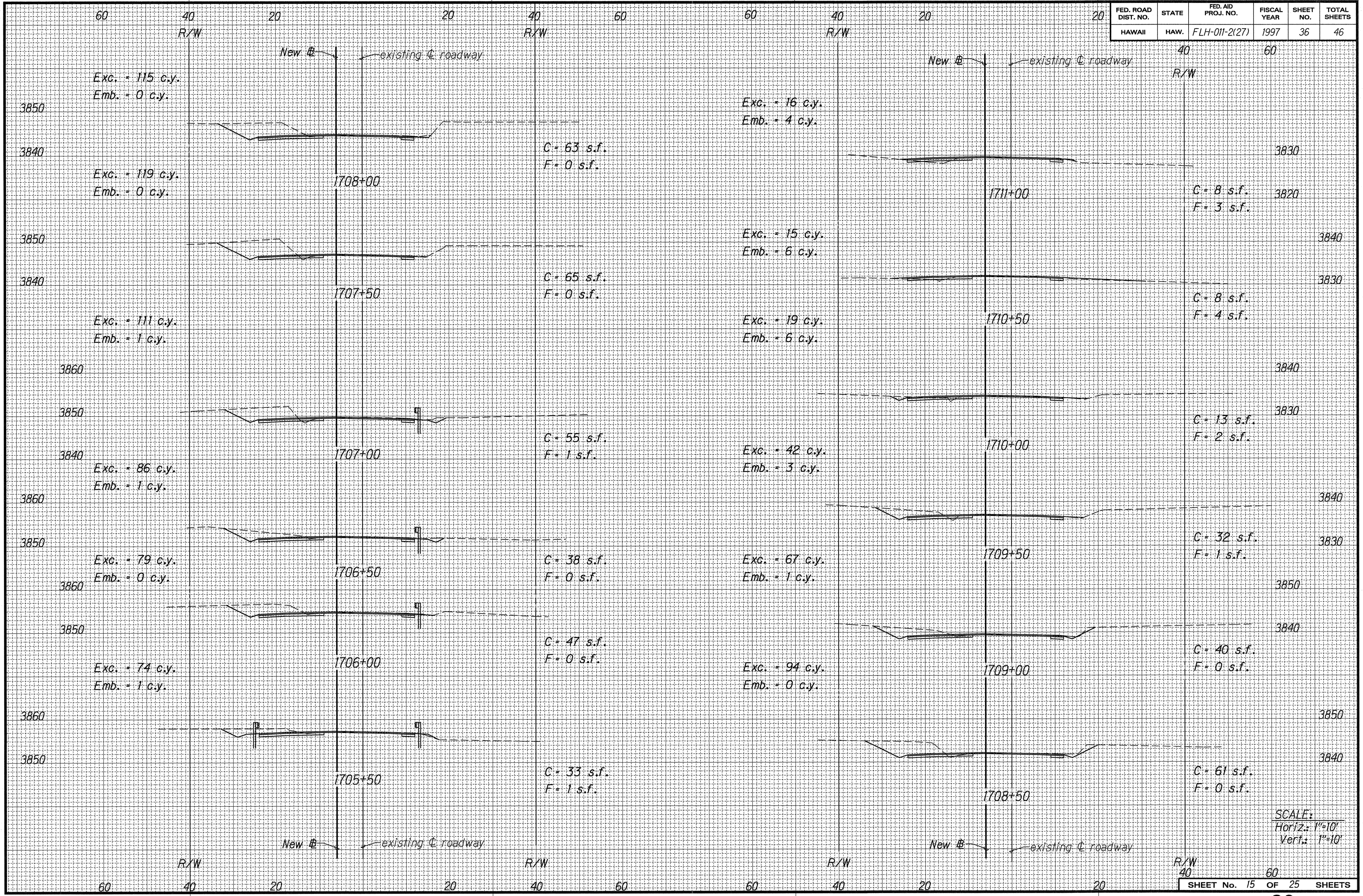


60
40
20
20
40
60
R/W
New ℄
existing ℄ roadway
Exc. - 14 c.y.
Emb. - 110 c.y.
3880
3870
1702+00
C - 8 s.f.
F - 66 s.f.
Exc. - 16 c.y.
Emb. - 105 c.y.
1701+50
C - 9 s.f.
F - 47 s.f.
Exc. - 16 c.y.
Emb. - 80 c.y.
1701+00
C - 8 s.f.
F - 39 s.f.
Exc. - 15 c.y.
Emb. - 52 c.y.
3890
1700+50
C - 8 s.f.
F - 17 s.f.
Exc. - 16 c.y.
Emb. - 35 c.y.
1700+00
C - 9 s.f.
F - 21 s.f.
Exc. - 19 c.y.
Emb. - 24 c.y.
1699+50
C - 12 s.f.
F - 5 s.f.
Exc. - 44 c.y.
Emb. - 6 c.y.
1699+00
C - 36 s.f.
F - 1 s.f.
Exc. - 47 c.y.
Emb. - 1 c.y.
3860
3850
1705+00
C - 18 s.f.
F - 0 s.f.
Exc. - 24 c.y.
Emb. - 5 c.y.
1704+50
C - 8 s.f.
F - 5 s.f.
Exc. - 15 c.y.
Emb. - 19 c.y.
1704+00
C - 8 s.f.
F - 15 s.f.
Exc. - 15 c.y.
Emb. - 30 c.y.
1703+50
C - 8 s.f.
F - 17 s.f.
Exc. - 14 c.y.
Emb. - 51 c.y.
1703+00
C - 7 s.f.
F - 38 s.f.
Exc. - 13 c.y.
Emb. - 84 c.y.
1702+50
C - 7 s.f.
F - 53 s.f.
SCALE:
Horiz.: 1"=10'
Vert.: 1"=10'

SHEET No. 14 OF 25 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK dd6.george 3mamd xs14 No.	DRAWN BY K. Tom-Hirota / J.M.	r3-13-97
	TRACED BY	
	DESIGNED BY J. Fujimoto/R. Takaesu	
	QUANTITIES BY	
	CHECKED BY	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	FLH-011-2(27)	1997	36	46

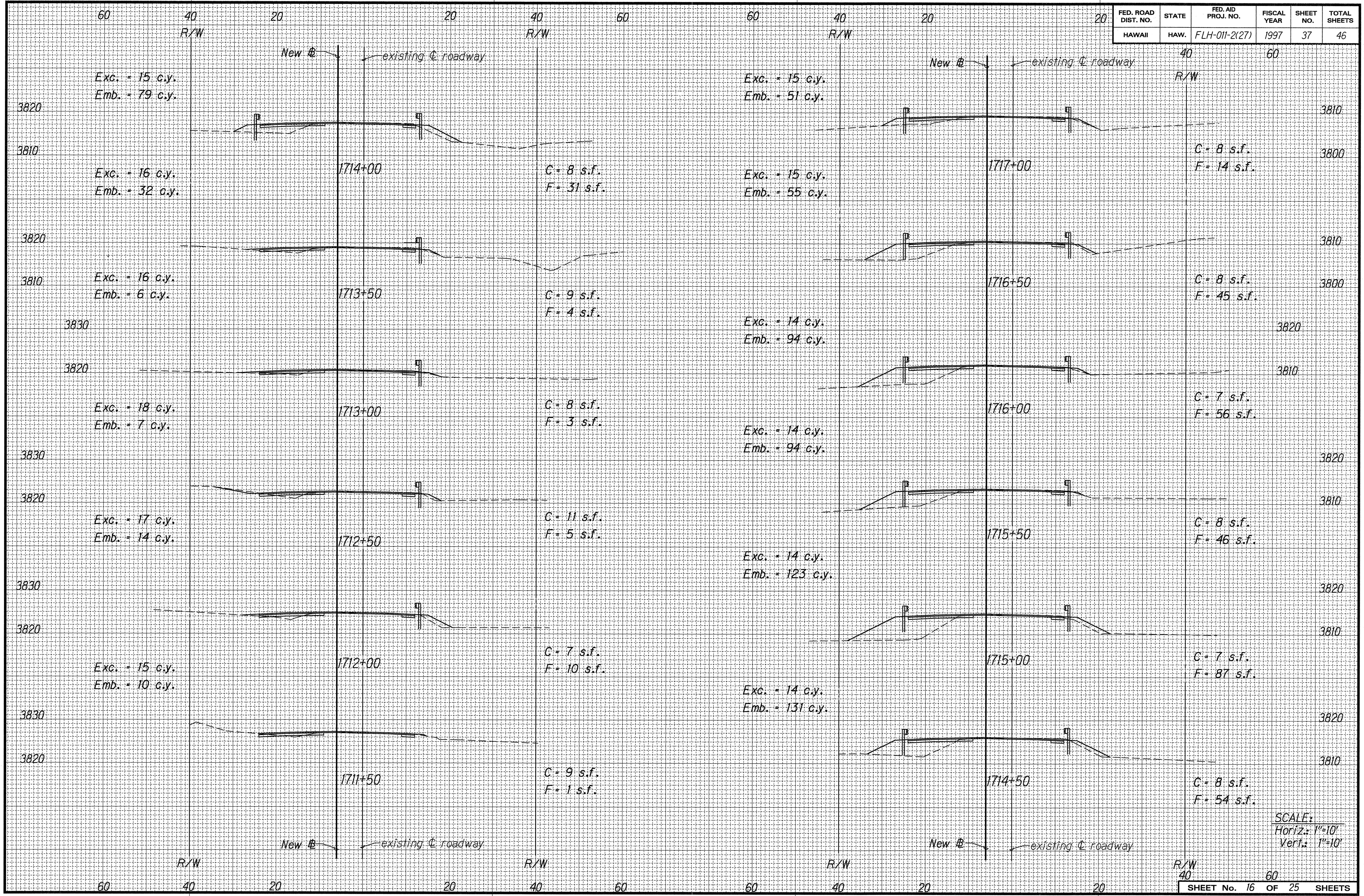


60
40
20
20
40
60
R/W
New ℄
existing ℄ roadway
Exc. = 115 c.y.
Emb. = 0 c.y.
3850
3840
C = 63 s.f.
F = 0 s.f.
1708+00
Exc. = 119 c.y.
Emb. = 0 c.y.
3850
3840
C = 65 s.f.
F = 0 s.f.
1707+50
Exc. = 111 c.y.
Emb. = 1 c.y.
3860
3850
3840
C = 55 s.f.
F = 1 s.f.
1707+00
Exc. = 86 c.y.
Emb. = 1 c.y.
3860
3850
C = 38 s.f.
F = 0 s.f.
1706+50
Exc. = 79 c.y.
Emb. = 0 c.y.
3860
3850
C = 47 s.f.
F = 0 s.f.
1706+00
Exc. = 74 c.y.
Emb. = 1 c.y.
3860
3850
C = 33 s.f.
F = 1 s.f.
1705+50
Exc. = 16 c.y.
Emb. = 4 c.y.
3830
C = 8 s.f.
F = 3 s.f.
3820
1711+00
Exc. = 15 c.y.
Emb. = 6 c.y.
3840
3830
C = 8 s.f.
F = 4 s.f.
1710+50
Exc. = 19 c.y.
Emb. = 6 c.y.
3840
3830
C = 13 s.f.
F = 2 s.f.
1710+00
Exc. = 42 c.y.
Emb. = 3 c.y.
3840
3830
C = 32 s.f.
F = 1 s.f.
1709+50
Exc. = 67 c.y.
Emb. = 1 c.y.
3850
3840
C = 40 s.f.
F = 0 s.f.
1709+00
Exc. = 94 c.y.
Emb. = 0 c.y.
3850
3840
C = 61 s.f.
F = 0 s.f.
1708+50
SCALE:
Horiz.: 1"=10'
Vert.: 1"=10'

ORIGINAL PLAN
NOTE BOOK dd6.george 3mamdxs15
No.
SURVEY PLOTTED BY
DRAWN BY K. Tom-Hirota / J.M. DATE r3-13-97
TRACED BY
DESIGNED BY J. Fujimoto/R. Takaesu
QUANTITIES BY
CHECKED BY

SHEET No. 15 OF 25 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	FLH-011-2(27)	1997	37	46

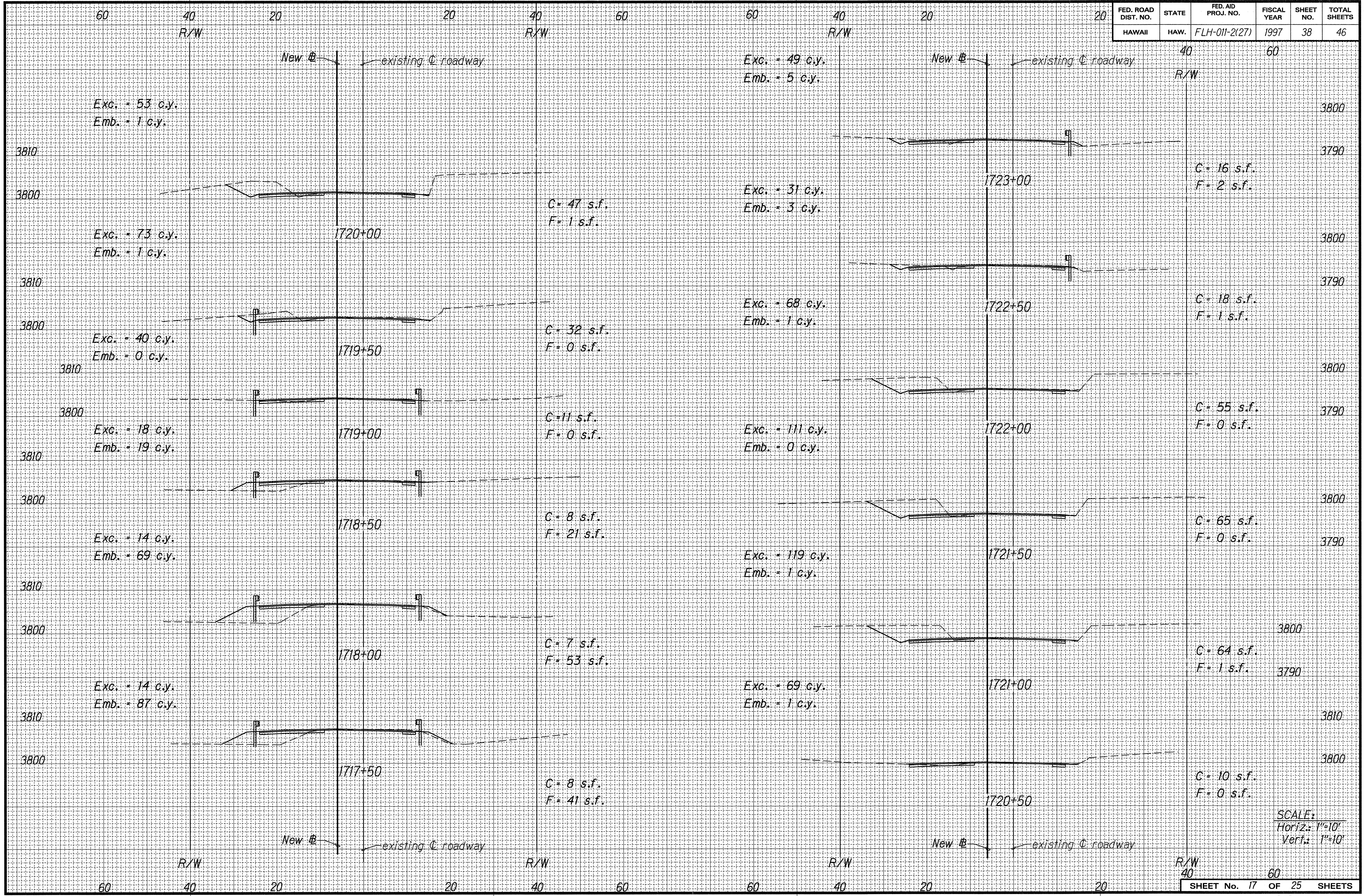

60
40
20
20
40
60
R/W
R/W
New ℄
existing ℄ roadway
3820
3810
Exc. - 15 c.y.
Emb. - 79 c.y.
1714+00
C - 8 s.f.
F - 31 s.f.
Exc. - 16 c.y.
Emb. - 32 c.y.
3820
3810
1713+50
C - 9 s.f.
F - 4 s.f.
Exc. - 16 c.y.
Emb. - 6 c.y.
3830
3820
1713+00
C - 8 s.f.
F - 3 s.f.
Exc. - 18 c.y.
Emb. - 7 c.y.
3830
3820
1712+50
C - 11 s.f.
F - 5 s.f.
Exc. - 17 c.y.
Emb. - 14 c.y.
3830
3820
1712+00
C - 7 s.f.
F - 10 s.f.
Exc. - 15 c.y.
Emb. - 10 c.y.
3830
3820
1711+50
C - 9 s.f.
F - 1 s.f.
Exc. - 15 c.y.
Emb. - 51 c.y.
3810
3800
1717+00
C - 8 s.f.
F - 14 s.f.
Exc. - 15 c.y.
Emb. - 55 c.y.
3810
3800
1716+50
C - 8 s.f.
F - 45 s.f.
Exc. - 14 c.y.
Emb. - 94 c.y.
3820
3810
1716+00
C - 7 s.f.
F - 56 s.f.
Exc. - 14 c.y.
Emb. - 94 c.y.
3820
3810
1715+50
C - 8 s.f.
F - 46 s.f.
Exc. - 14 c.y.
Emb. - 123 c.y.
3820
3810
1715+00
C - 7 s.f.
F - 87 s.f.
Exc. - 14 c.y.
Emb. - 131 c.y.
3820
3810
1714+50
C - 8 s.f.
F - 54 s.f.

SCALE:
Horiz.: 1"=10'
Vert.: 1"=10'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK dd6.george 3mamdxsl6	DRAWN BY K. Tom-Hirota / J.M.	r3-13-97
	TRACED BY	
	DESIGNED BY J. Fujimoto/R. Takaesu	
	QUANTITIES BY	
No.	CHECKED BY	

SHEET No. 16 OF 25 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	FLH-011-2(27)	1997	38	46

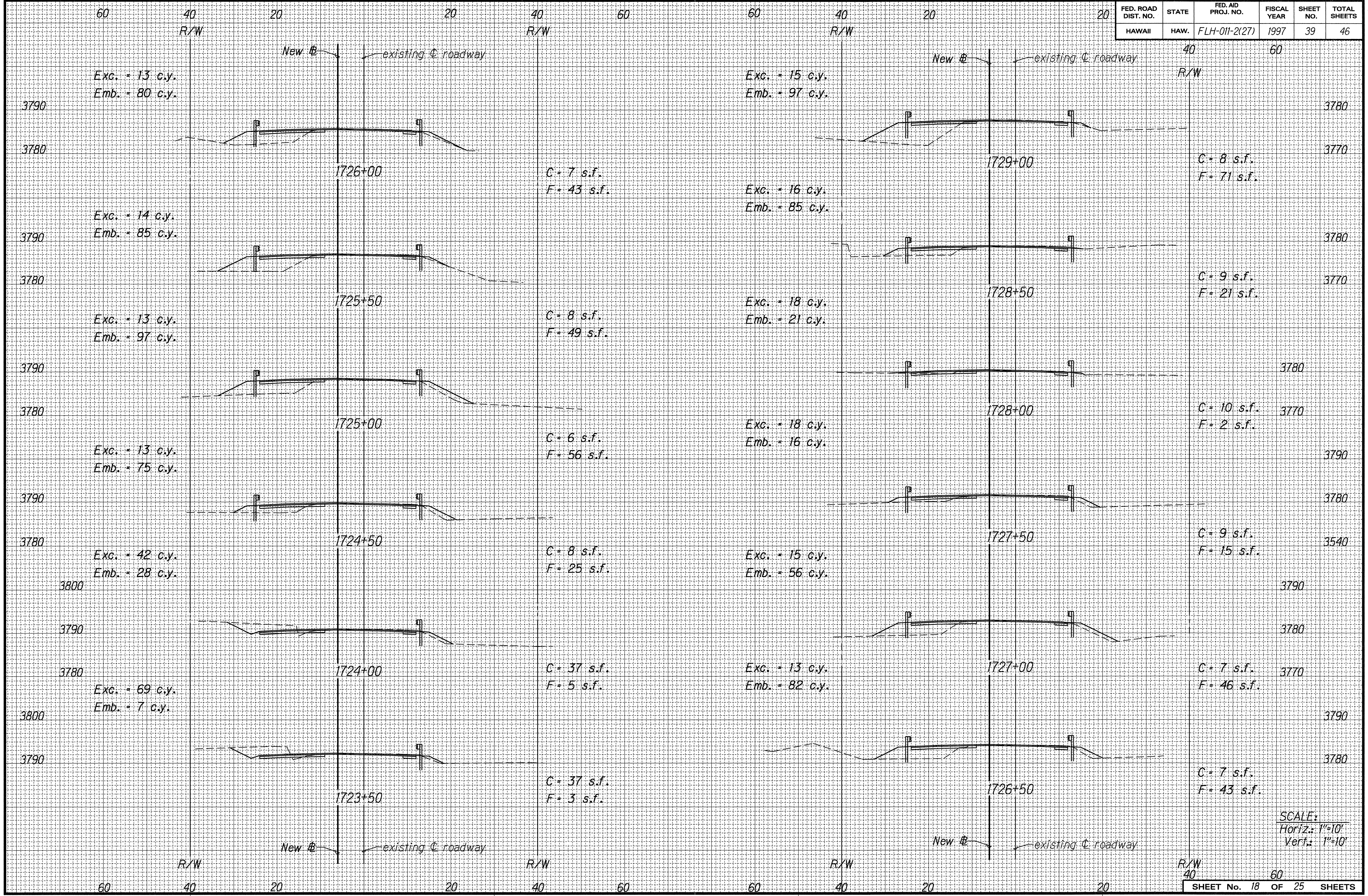


60
40
20
20
40
60
R/W
New ℄
existing ℄ roadway
Exc. = 53 c.y.
Emb. = 1 c.y.
3810
3800
C = 47 s.f.
F = 1 s.f.
1720+00
Exc. = 73 c.y.
Emb. = 1 c.y.
3810
3800
C = 32 s.f.
F = 0 s.f.
1719+50
Exc. = 40 c.y.
Emb. = 0 c.y.
3810
3800
C = 11 s.f.
F = 0 s.f.
1719+00
Exc. = 18 c.y.
Emb. = 19 c.y.
3810
3800
C = 8 s.f.
F = 21 s.f.
1718+50
Exc. = 14 c.y.
Emb. = 69 c.y.
3810
3800
C = 7 s.f.
F = 53 s.f.
1718+00
Exc. = 14 c.y.
Emb. = 87 c.y.
3810
3800
1717+50
C = 8 s.f.
F = 41 s.f.
Exc. = 49 c.y.
Emb. = 5 c.y.
3800
3790
C = 16 s.f.
F = 2 s.f.
1723+00
Exc. = 31 c.y.
Emb. = 3 c.y.
3800
3790
C = 18 s.f.
F = 1 s.f.
1722+50
Exc. = 68 c.y.
Emb. = 1 c.y.
3800
3790
C = 55 s.f.
F = 0 s.f.
1722+00
Exc. = 111 c.y.
Emb. = 0 c.y.
3800
3790
C = 65 s.f.
F = 0 s.f.
1721+50
Exc. = 119 c.y.
Emb. = 1 c.y.
3800
3790
C = 64 s.f.
F = 1 s.f.
1721+00
Exc. = 69 c.y.
Emb. = 1 c.y.
3810
3800
C = 10 s.f.
F = 0 s.f.
1720+50
SCALE:
Horiz.: 1"=10'
Vert.: 1"=10'

ORIGINAL PLAN
NOTE BOOK dd6george 3mamdxsl7
No. ____
SURVEY PLOTTED BY ____ DATE
DRAWN BY K. Tom-Hirota / J.M. " r3-13-97
TRACED BY ____ "
DESIGNED BY J. Fujimoto/R. Takaesu "
QUANTITIES BY ____ "
CHECKED BY ____ "

SHEET No. 17 OF 25 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	FLH-011-2(27)	1997	39	46

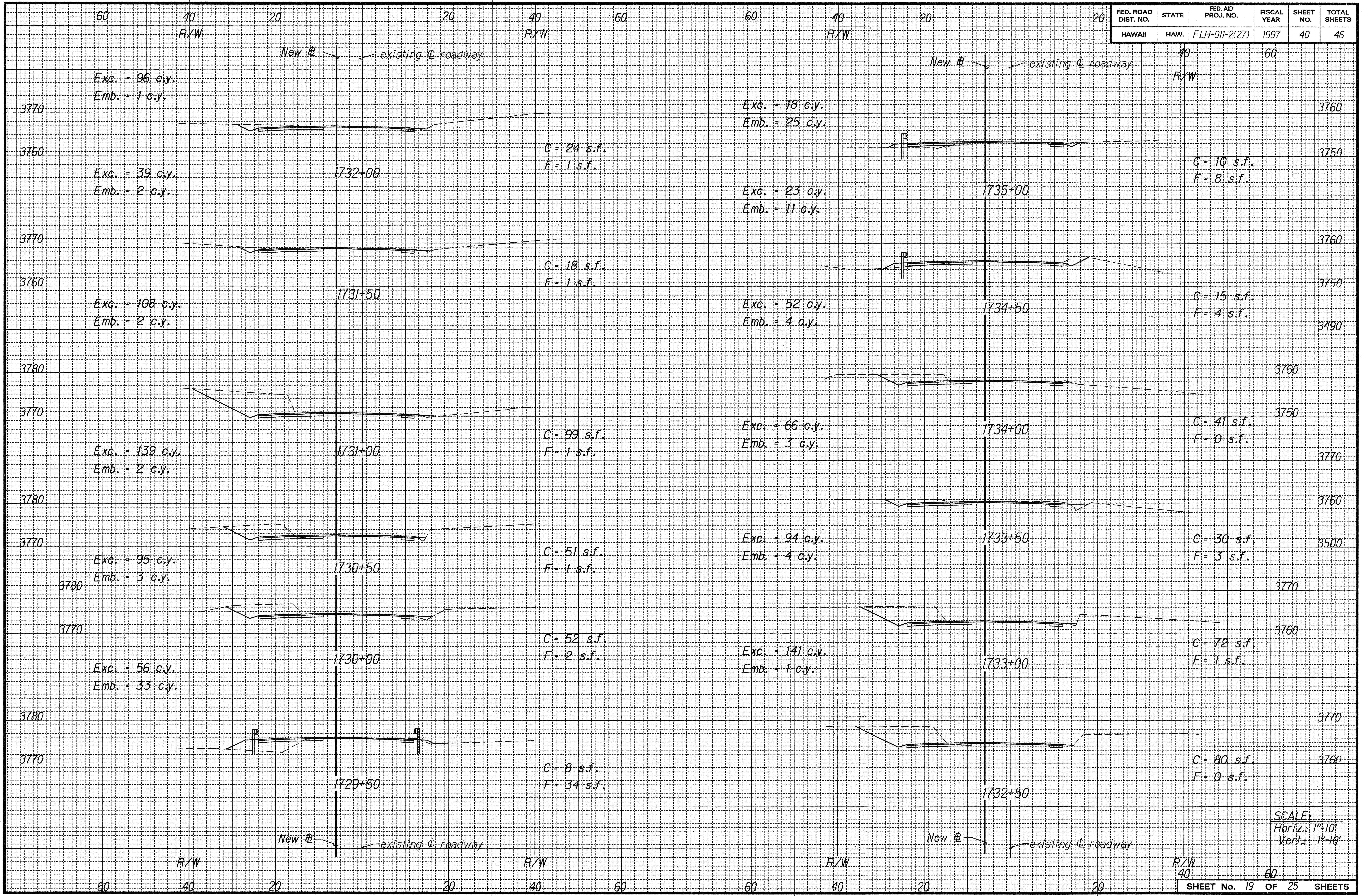

60
40
20
20
40
60
R/W
R/W
New ℄
existing ℄ roadway
Exc. = 13 c.y.
Emb. = 80 c.y.
3790
3780
1726+00
C = 7 s.f.
F = 43 s.f.
Exc. = 14 c.y.
Emb. = 85 c.y.
3790
3780
1725+50
C = 8 s.f.
F = 49 s.f.
Exc. = 13 c.y.
Emb. = 97 c.y.
3790
3780
1725+00
C = 6 s.f.
F = 56 s.f.
Exc. = 13 c.y.
Emb. = 75 c.y.
3790
3780
1724+50
C = 8 s.f.
F = 25 s.f.
Exc. = 42 c.y.
Emb. = 28 c.y.
3800
3790
3780
1724+00
C = 37 s.f.
F = 5 s.f.
Exc. = 69 c.y.
Emb. = 7 c.y.
3800
3790
1723+50
C = 37 s.f.
F = 3 s.f.
60
40
20
R/W
New ℄
existing ℄ roadway
Exc. = 15 c.y.
Emb. = 97 c.y.
40
60
R/W
3780
3770
1729+00
C = 8 s.f.
F = 71 s.f.
Exc. = 16 c.y.
Emb. = 85 c.y.
3780
3770
1728+50
C = 9 s.f.
F = 21 s.f.
Exc. = 18 c.y.
Emb. = 21 c.y.
3780
3770
1728+00
C = 10 s.f.
F = 2 s.f.
Exc. = 18 c.y.
Emb. = 16 c.y.
3790
3780
3540
1727+50
C = 9 s.f.
F = 15 s.f.
Exc. = 15 c.y.
Emb. = 56 c.y.
3790
3780
3770
1727+00
C = 7 s.f.
F = 46 s.f.
Exc. = 13 c.y.
Emb. = 82 c.y.
3790
3780
1726+50
C = 7 s.f.
F = 43 s.f.
New ℄
existing ℄ roadway
R/W
R/W
R/W
R/W
60
40
20
20
40
60
60
40
20
20
40
60

SCALE:
Horiz.: 1"=10'
Vert.: 1"=10'

SHEET No. 18 OF 25 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK dd6.george 3mamdxs18	DRAWN BY K. Tom-Hirota / J.M.	r3-13-97
No.	TRACED BY	"
	DESIGNED BY J. Fujimoto/R. Takaesu	"
	QUANTITIES BY	"
	CHECKED BY	"

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	FLH-011-2(27)	1997	40	46



60
40
20
20
40
60
R/W
New ℄
existing ℄ roadway
Exc. = 96 c.y.
Emb. = 1 c.y.
3770
3760
C = 24 s.f.
F = 1 s.f.
1732+00
Exc. = 39 c.y.
Emb. = 2 c.y.
3770
3760
C = 18 s.f.
F = 1 s.f.
1731+50
Exc. = 108 c.y.
Emb. = 2 c.y.
3780
3770
C = 99 s.f.
F = 1 s.f.
1731+00
Exc. = 139 c.y.
Emb. = 2 c.y.
3780
3770
C = 51 s.f.
F = 1 s.f.
1730+50
Exc. = 95 c.y.
Emb. = 3 c.y.
3780
3770
C = 52 s.f.
F = 2 s.f.
1730+00
Exc. = 56 c.y.
Emb. = 33 c.y.
3780
3770
C = 8 s.f.
F = 34 s.f.
1729+50
New ℄
existing ℄ roadway
R/W
60
40
20
20
40
60
60
40
20
20
40
60
R/W
New ℄
existing ℄ roadway
Exc. = 18 c.y.
Emb. = 25 c.y.
3760
3750
C = 10 s.f.
F = 8 s.f.
1735+00
Exc. = 23 c.y.
Emb. = 11 c.y.
3760
3750
C = 15 s.f.
F = 4 s.f.
1734+50
Exc. = 52 c.y.
Emb. = 4 c.y.
3490
3760
3750
C = 41 s.f.
F = 0 s.f.
1734+00
Exc. = 66 c.y.
Emb. = 3 c.y.
3770
3760
3500
C = 30 s.f.
F = 3 s.f.
1733+50
Exc. = 94 c.y.
Emb. = 4 c.y.
3770
3760
C = 72 s.f.
F = 1 s.f.
1733+00
Exc. = 141 c.y.
Emb. = 1 c.y.
3770
3760
C = 80 s.f.
F = 0 s.f.
1732+50
New ℄
existing ℄ roadway
R/W
60
40
20
20
40
60

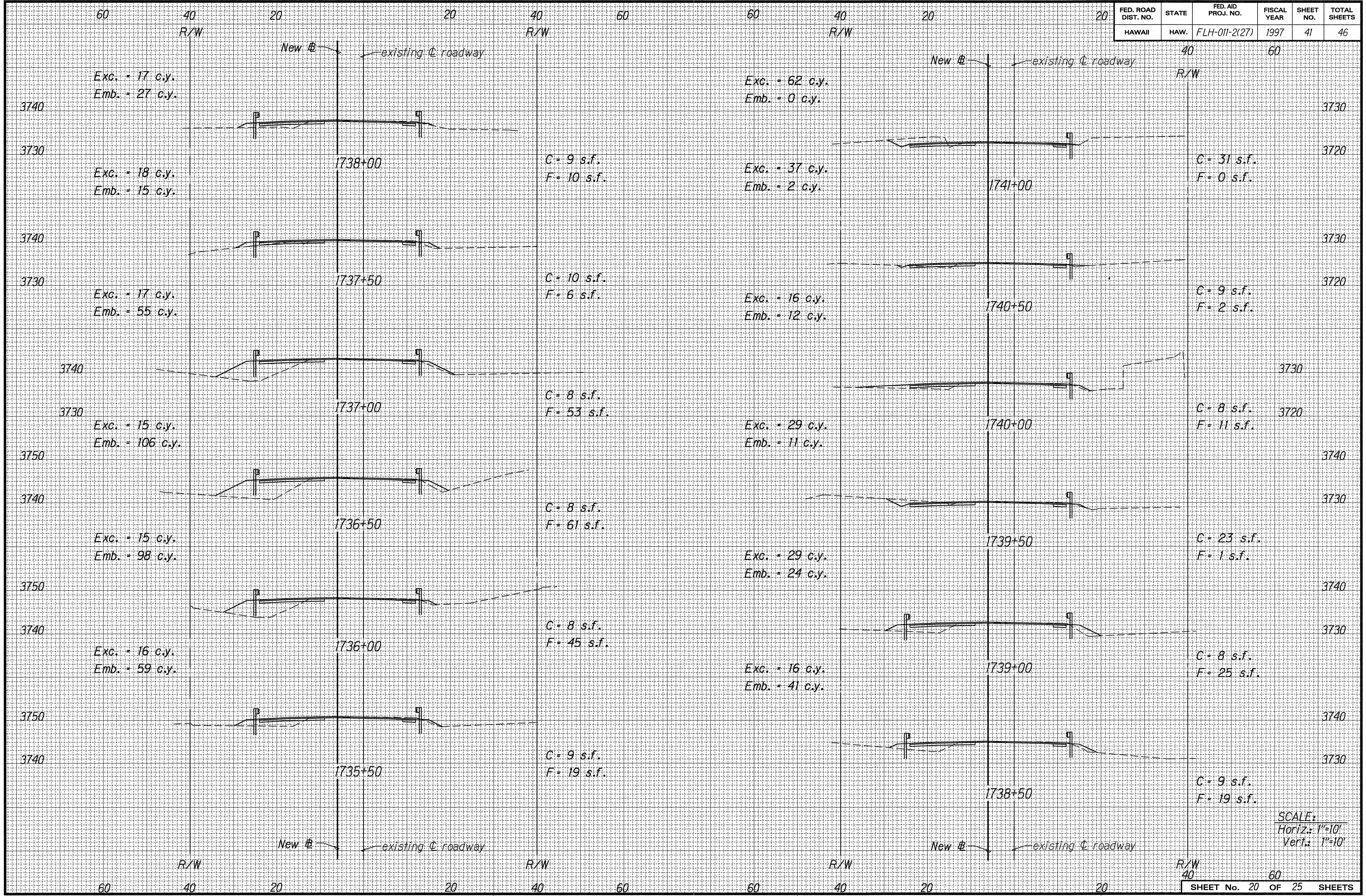
SCALE:
Horiz.: 1"=10'
Vert.: 1"=10'

ORIGINAL PLAN	SURVEY PLOTTED BY ____ DATE ____
	DRAWN BY K. Tom-Hirota / J.M. : r3-13-97
	TRACED BY ____ : ____
NOTE BOOK dd6.george 3mamdxsl9	DESIGNED BY J. Fujimoto/R. Takaesu : ____
	QUANTITIES BY ____ : ____
No. ____	CHECKED BY ____ : ____

SHEET No. 19 OF 25 SHEETS

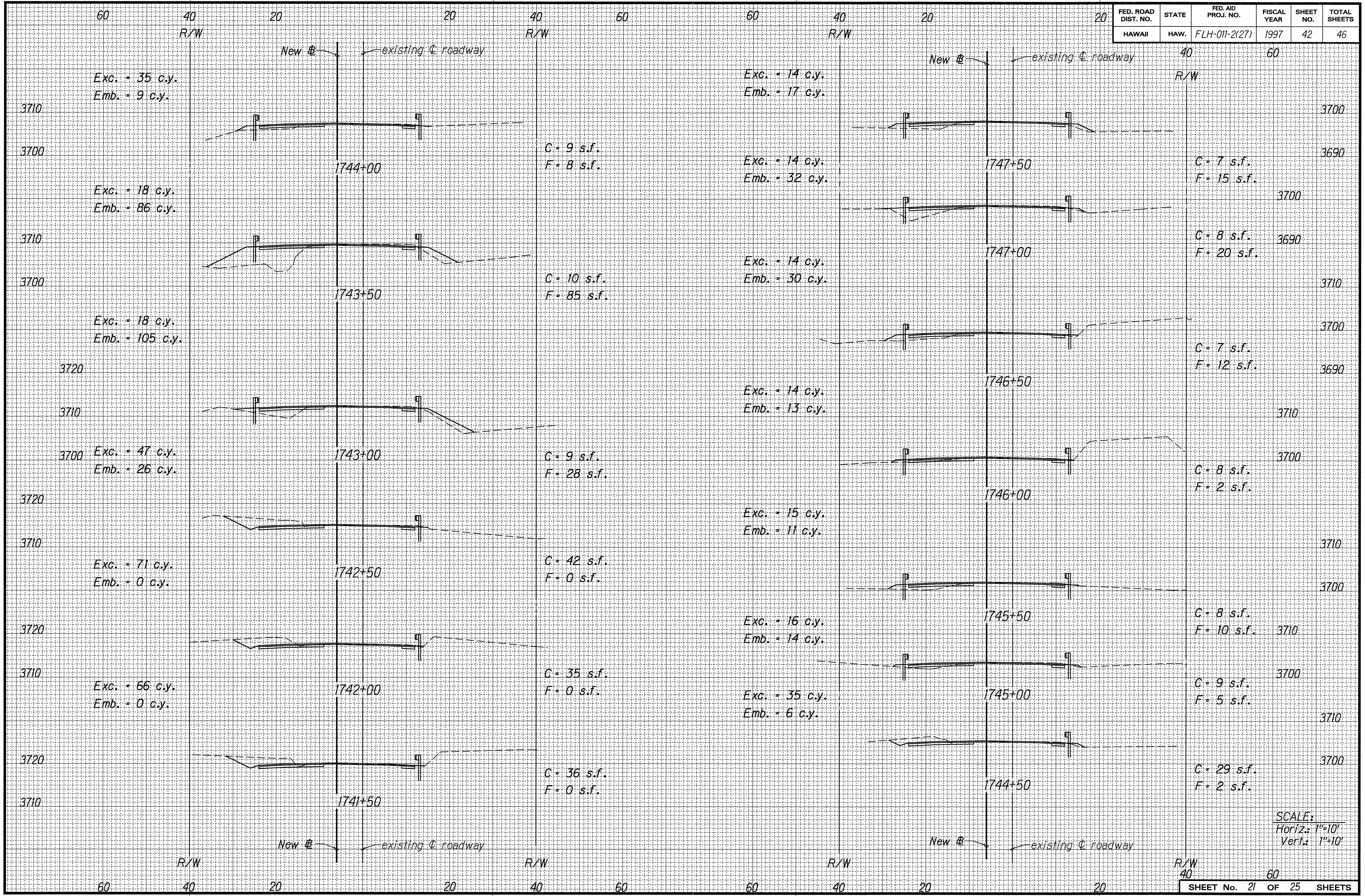
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	FLH-011-2(27)	1997	41	46

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK dd6.george 3mamdxs20 No.	DRAWN BY K. Tom-Hirota / J.M.	r3-13-97
	TRACED BY	
	DESIGNED BY J. Fujimoto/R. Takaesu	
	QUANTITIES BY	
	CHECKED BY	


60
40
20
20
40
60
60
40
20
20
40
60
R/W
R/W
R/W
R/W
New ℄
existing ℄ roadway
New ℄
existing ℄ roadway
Exc. - 17 c.y.
Emb. - 27 c.y.
3740
3730
1738+00
C - 9 s.f.
F - 10 s.f.
Exc. - 18 c.y.
Emb. - 15 c.y.
3740
3730
1737+50
C - 10 s.f.
F - 6 s.f.
Exc. - 17 c.y.
Emb. - 55 c.y.
3740
3730
1737+00
C - 8 s.f.
F - 53 s.f.
Exc. - 15 c.y.
Emb. - 106 c.y.
3750
3740
1736+50
C - 8 s.f.
F - 61 s.f.
Exc. - 15 c.y.
Emb. - 98 c.y.
3750
3740
1736+00
C - 8 s.f.
F - 45 s.f.
Exc. - 16 c.y.
Emb. - 59 c.y.
3750
3740
1735+50
C - 9 s.f.
F - 19 s.f.
New ℄
existing ℄ roadway
Exc. - 62 c.y.
Emb. - 0 c.y.
3730
3720
1741+00
C - 31 s.f.
F - 0 s.f.
Exc. - 37 c.y.
Emb. - 2 c.y.
3730
3720
1740+50
C - 9 s.f.
F - 2 s.f.
Exc. - 16 c.y.
Emb. - 12 c.y.
3730
3720
1740+00
C - 8 s.f.
F - 11 s.f.
Exc. - 29 c.y.
Emb. - 11 c.y.
3740
3730
1739+50
C - 23 s.f.
F - 1 s.f.
Exc. - 29 c.y.
Emb. - 24 c.y.
3740
3730
1739+00
C - 8 s.f.
F - 25 s.f.
Exc. - 16 c.y.
Emb. - 41 c.y.
3740
3730
1738+50
C - 9 s.f.
F - 19 s.f.
New ℄
existing ℄ roadway
SCALE:
Horiz.: 1"=10'
Vert.: 1"=10'

SHEET No. 20 OF 25 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	FLH-011-2(27)	1997	42	46

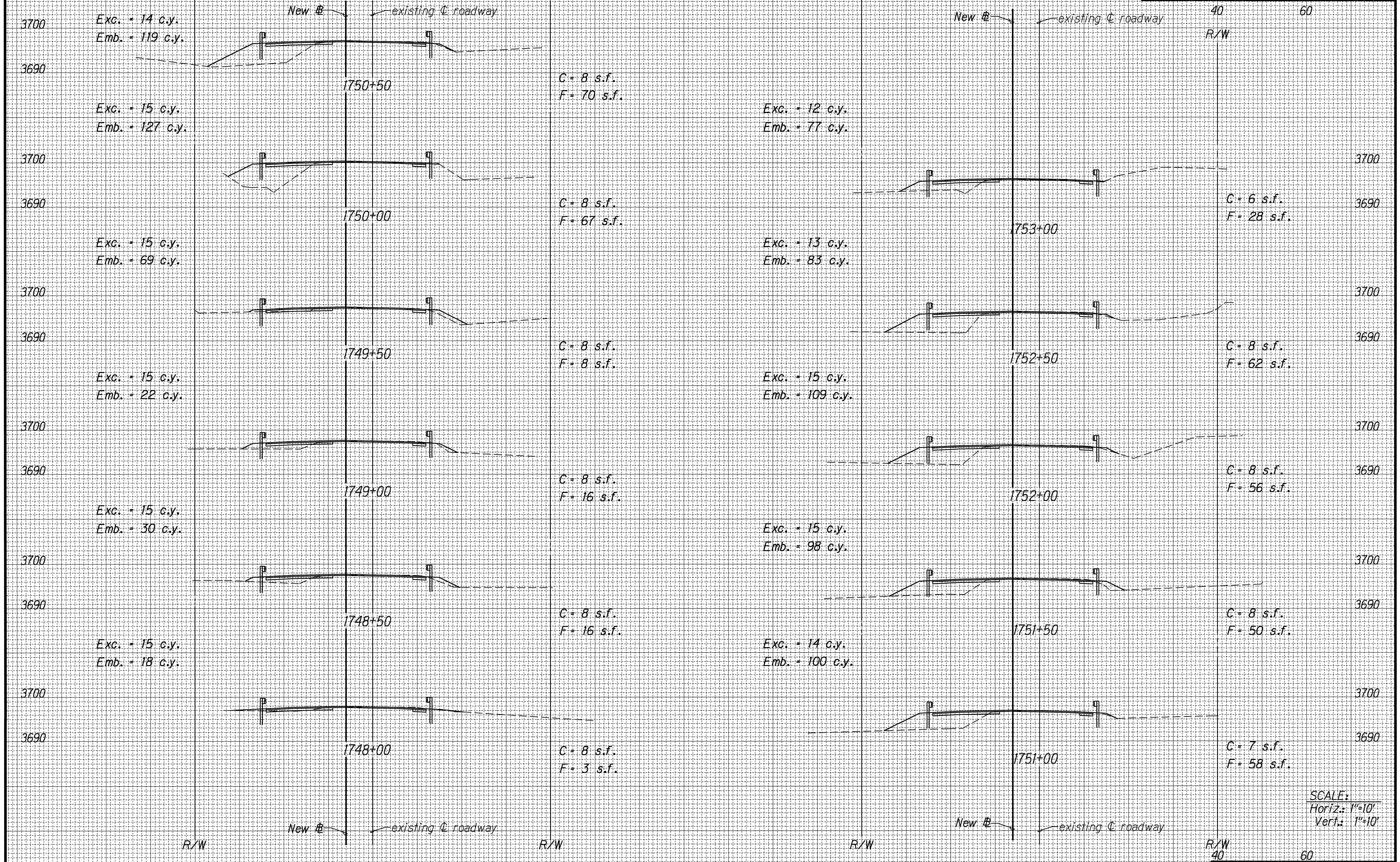


60 40 20 20 40 60
R/W
New ℄
existing ℄ roadway
Exc. = 35 c.y.
Emb. = 9 c.y.
3710
3700
1744+00
C = 9 s.f.
F = 8 s.f.
Exc. = 18 c.y.
Emb. = 86 c.y.
3710
3700
1743+50
C = 10 s.f.
F = 85 s.f.
Exc. = 18 c.y.
Emb. = 105 c.y.
3720
3710
3700
1743+00
C = 9 s.f.
F = 28 s.f.
Exc. = 47 c.y.
Emb. = 26 c.y.
3720
3710
1742+50
C = 42 s.f.
F = 0 s.f.
Exc. = 71 c.y.
Emb. = 0 c.y.
3720
3710
1742+00
C = 35 s.f.
F = 0 s.f.
Exc. = 66 c.y.
Emb. = 0 c.y.
3720
3710
1741+50
C = 36 s.f.
F = 0 s.f.
Exc. = 14 c.y.
Emb. = 17 c.y.
3700
3690
1747+50
C = 7 s.f.
F = 15 s.f.
Exc. = 14 c.y.
Emb. = 32 c.y.
3700
3690
1747+00
C = 8 s.f.
F = 20 s.f.
Exc. = 14 c.y.
Emb. = 30 c.y.
3710
3700
3690
1746+50
C = 7 s.f.
F = 12 s.f.
Exc. = 14 c.y.
Emb. = 13 c.y.
3710
3700
1746+00
C = 8 s.f.
F = 2 s.f.
Exc. = 15 c.y.
Emb. = 11 c.y.
3710
3700
1745+50
C = 8 s.f.
F = 10 s.f.
Exc. = 16 c.y.
Emb. = 14 c.y.
3710
3700
1745+00
C = 9 s.f.
F = 5 s.f.
Exc. = 35 c.y.
Emb. = 6 c.y.
3710
3700
1744+50
C = 29 s.f.
F = 2 s.f.
SCALE:
Horiz.: 1"=10'
Vert.: 1"=10'

ORIGINAL PLAN	
	SURVEY PLOTTED BY ____ DATE
	DRAWN BY K. Tom-Hirota / J.M. " r3-13-97
	TRACED BY ____ "
NOTE BOOK dd6.george 3mamdxs21	DESIGNED BY J. Fujimoto/R. Takaesu "
	QUANTITIES BY ____ "
No. ____	CHECKED BY ____ "

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	FLH-011-2(27)	1997	43	46

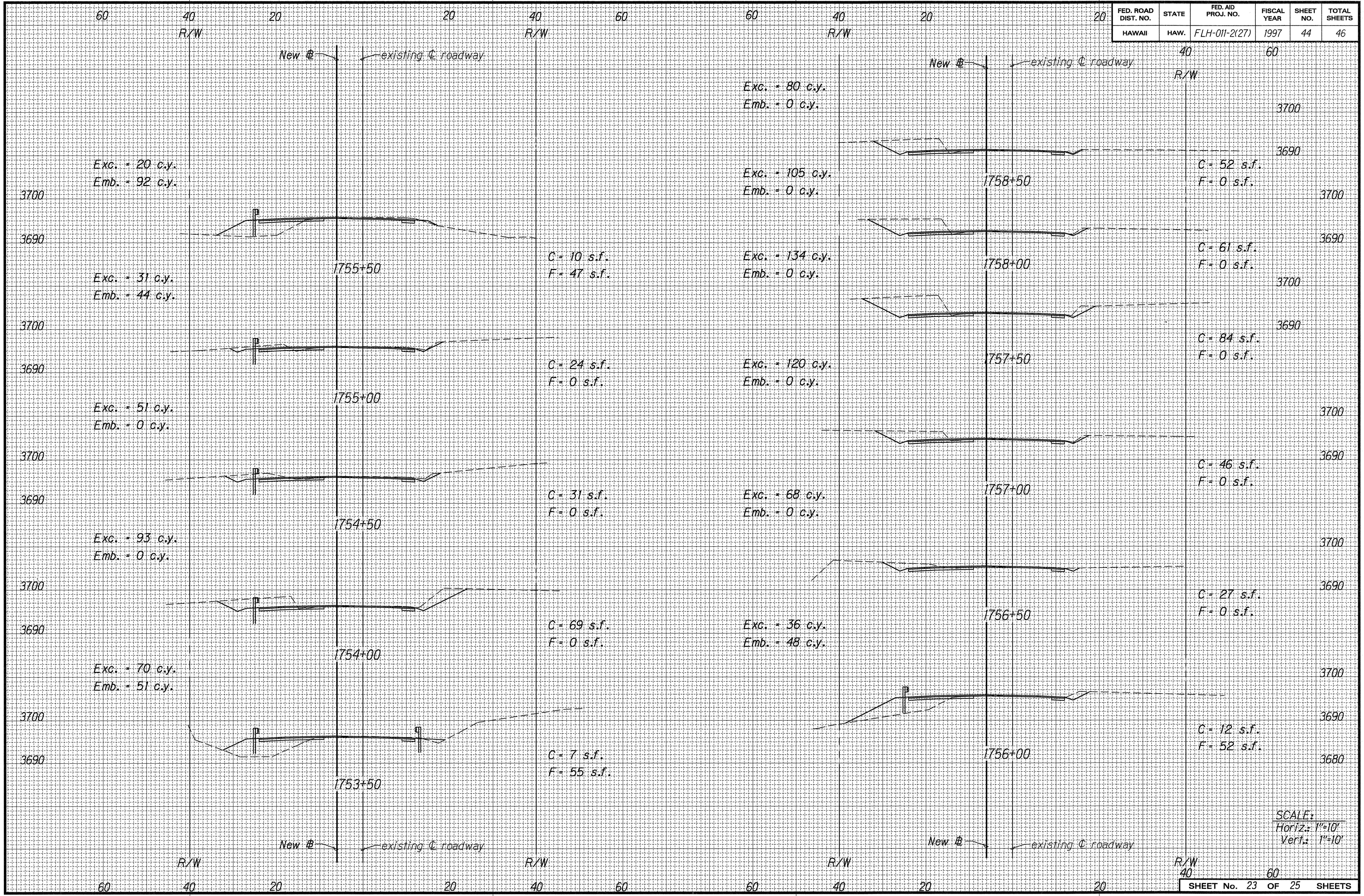
ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY K. Tom-Hirota / J.M.	r3-13-97
NOTE BOOK dd6.george 3mamdxs22	TRACED BY	
No.	DESIGNED BY J. Fujimoto/R. Takaesu	
	QUANTITIES BY	
	CHECKED BY	


60
40
20
20
40
60
60
40
20
20
40
60
R/W
R/W
R/W
R/W
New ℄
existing ℄ roadway
New ℄
existing ℄ roadway
3700
3690
Exc. = 14 c.y.
Emb. = 119 c.y.
1750+50
C = 8 s.f.
F = 70 s.f.
Exc. = 15 c.y.
Emb. = 127 c.y.
1750+00
C = 8 s.f.
F = 67 s.f.
Exc. = 15 c.y.
Emb. = 69 c.y.
1749+50
C = 8 s.f.
F = 8 s.f.
Exc. = 15 c.y.
Emb. = 22 c.y.
1749+00
C = 8 s.f.
F = 16 s.f.
Exc. = 15 c.y.
Emb. = 30 c.y.
1748+50
C = 8 s.f.
F = 16 s.f.
Exc. = 15 c.y.
Emb. = 18 c.y.
1748+00
C = 8 s.f.
F = 3 s.f.
Exc. = 12 c.y.
Emb. = 77 c.y.
1753+00
C = 6 s.f.
F = 28 s.f.
Exc. = 13 c.y.
Emb. = 83 c.y.
1752+50
C = 8 s.f.
F = 62 s.f.
Exc. = 15 c.y.
Emb. = 109 c.y.
1752+00
C = 8 s.f.
F = 56 s.f.
Exc. = 15 c.y.
Emb. = 98 c.y.
1751+50
C = 8 s.f.
F = 50 s.f.
Exc. = 14 c.y.
Emb. = 100 c.y.
1751+00
C = 7 s.f.
F = 58 s.f.
New ℄
existing ℄ roadway
New ℄
existing ℄ roadway
R/W
R/W
R/W
R/W
60
40
20
20
40
60
60
40
20
20
40
60

SCALE:
Horiz.: 1"=10'
Vert.: 1"=10'

SHEET No. 22 OF 25 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	FLH-011-2(27)	1997	44	46



60
40
20
20
40
60
60
40
20
20
40
60
R/W
R/W
R/W
R/W
New ℄
existing ℄ roadway
New ℄
existing ℄ roadway
Exc. = 20 c.y.
Emb. = 92 c.y.
3700
3690
1755+50
C = 10 s.f.
F = 47 s.f.
Exc. = 31 c.y.
Emb. = 44 c.y.
3700
3690
1755+00
C = 24 s.f.
F = 0 s.f.
Exc. = 51 c.y.
Emb. = 0 c.y.
3700
3690
1754+50
C = 31 s.f.
F = 0 s.f.
Exc. = 93 c.y.
Emb. = 0 c.y.
3700
3690
1754+00
C = 69 s.f.
F = 0 s.f.
Exc. = 70 c.y.
Emb. = 51 c.y.
3700
3690
1753+50
C = 7 s.f.
F = 55 s.f.
Exc. = 80 c.y.
Emb. = 0 c.y.
3700
3690
1758+50
C = 52 s.f.
F = 0 s.f.
Exc. = 105 c.y.
Emb. = 0 c.y.
3700
3690
1758+00
C = 61 s.f.
F = 0 s.f.
Exc. = 134 c.y.
Emb. = 0 c.y.
3700
3690
1757+50
C = 84 s.f.
F = 0 s.f.
Exc. = 120 c.y.
Emb. = 0 c.y.
3700
3690
1757+00
C = 46 s.f.
F = 0 s.f.
Exc. = 68 c.y.
Emb. = 0 c.y.
3700
3690
1756+50
C = 27 s.f.
F = 0 s.f.
Exc. = 36 c.y.
Emb. = 48 c.y.
3700
3690
3680
1756+00
C = 12 s.f.
F = 52 s.f.
New ℄
existing ℄ roadway
New ℄
existing ℄ roadway
R/W
R/W
R/W
R/W
60
40
20
20
40
60
60
40
20
20
40
60

SCALE:
Horiz.: 1"=10'
Vert.: 1"=10'

SHEET No. 23 OF 25 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY K. Tom-Hirota / J.M.	r3-13-97
NOTE BOOK dd6.george 3mamdxs23	TRACED BY	"
	DESIGNED BY J. Fujimoto/R. Takaesu	"
	QUANTITIES BY	"
No.	CHECKED BY	"

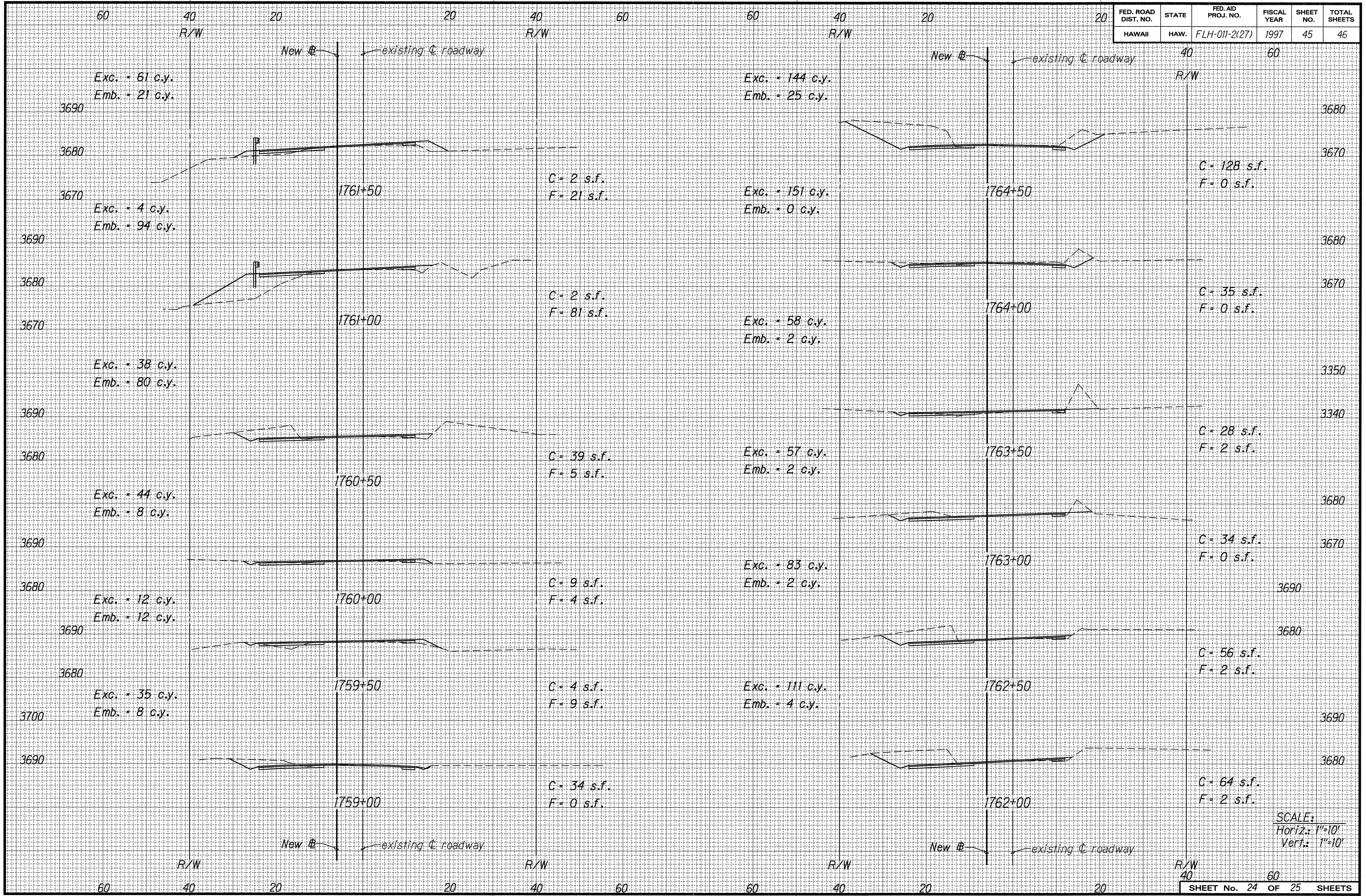
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	FLH-011-2(27)	1997	45	46

ORIGINAL PLAN

NOTE BOOK dd6.george 3mamdxs24

No.

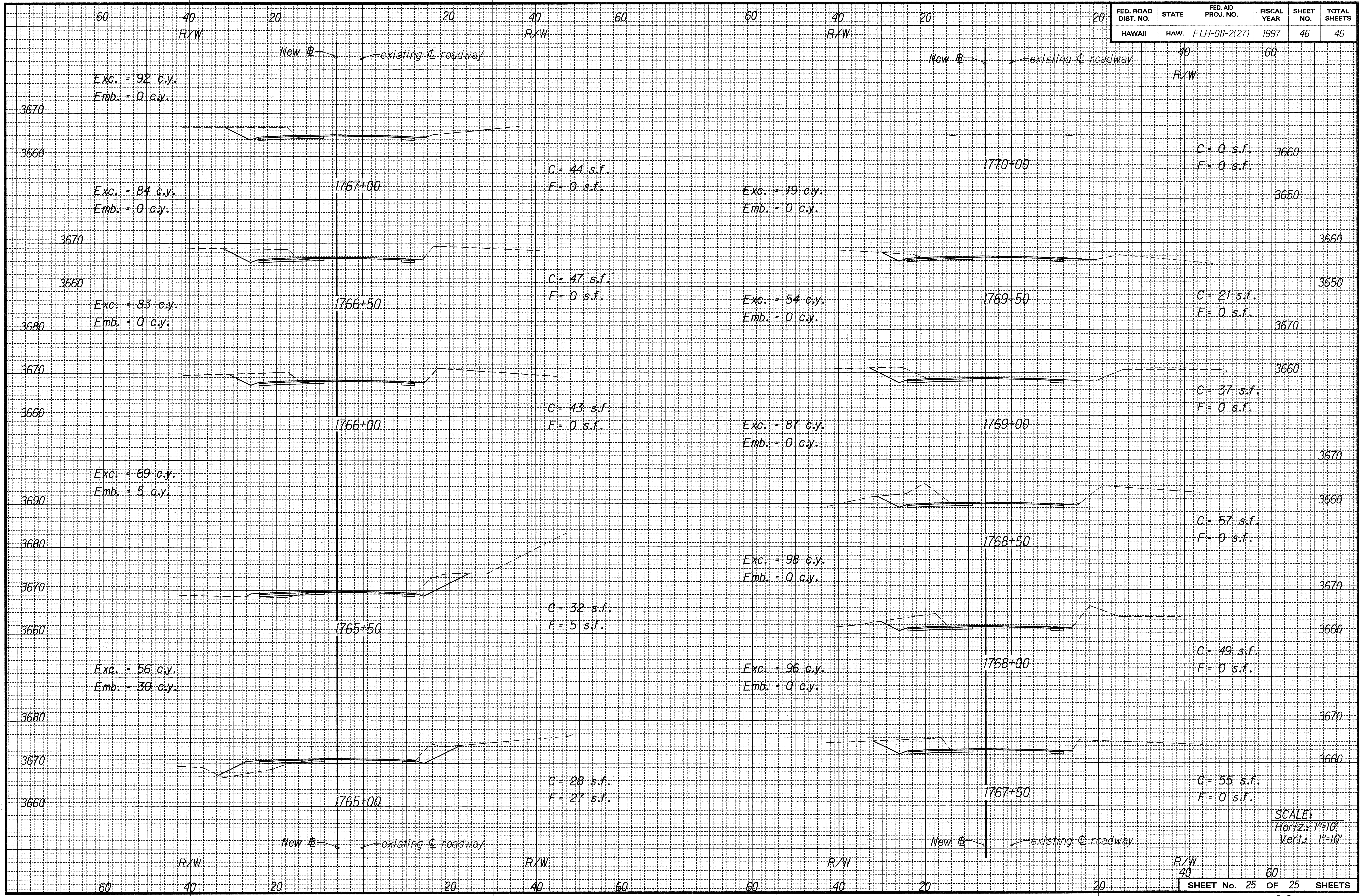
SURVEY PLOTTED BY **DATE** r3-13-97
DRAWN BY K. Tom-Hirota / J.M.
TRACED BY
DESIGNED BY J. Fujimoto/R. Takaesu
QUANTITIES BY
CHECKED BY



60 40 20 20 40 60
R/W
New ℄
existing ℄ roadway
R/W
Exc. = 61 c.y.
Emb. = 21 c.y.
3690
3680
3670
1761+50
C = 2 s.f.
F = 21 s.f.
Exc. = 4 c.y.
Emb. = 94 c.y.
3690
3680
3670
1761+00
C = 2 s.f.
F = 81 s.f.
Exc. = 38 c.y.
Emb. = 80 c.y.
3690
3680
1760+50
C = 39 s.f.
F = 5 s.f.
Exc. = 44 c.y.
Emb. = 8 c.y.
3690
3680
1760+00
C = 9 s.f.
F = 4 s.f.
Exc. = 12 c.y.
Emb. = 12 c.y.
3690
3680
1759+50
C = 4 s.f.
F = 9 s.f.
Exc. = 35 c.y.
Emb. = 8 c.y.
3700
3690
1759+00
C = 34 s.f.
F = 0 s.f.
New ℄
existing ℄ roadway
R/W
R/W
60 40 20 20 40 60
60 40 20 20 40 60
R/W
New ℄
existing ℄ roadway
R/W
Exc. = 144 c.y.
Emb. = 25 c.y.
3680
3670
1764+50
C = 128 s.f.
F = 0 s.f.
Exc. = 151 c.y.
Emb. = 0 c.y.
3680
3670
1764+00
C = 35 s.f.
F = 0 s.f.
Exc. = 58 c.y.
Emb. = 2 c.y.
3350
3340
1763+50
C = 28 s.f.
F = 2 s.f.
Exc. = 57 c.y.
Emb. = 2 c.y.
3680
3670
1763+00
C = 34 s.f.
F = 0 s.f.
Exc. = 83 c.y.
Emb. = 2 c.y.
3690
3680
1762+50
C = 56 s.f.
F = 2 s.f.
Exc. = 111 c.y.
Emb. = 4 c.y.
3690
3680
1762+00
C = 64 s.f.
F = 2 s.f.
New ℄
existing ℄ roadway
R/W
R/W
60 40 20 20 40 60
SCALE:
Horiz.: 1"=10'
Vert.: 1"=10'

SHEET No. 24 OF 25 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	FLH-011-2(27)	1997	46	46


60
40
20
20
40
60
R/W
New ℄
existing ℄ roadway
Exc. = 92 c.y.
Emb. = 0 c.y.
3670
3660
1767+00
C = 44 s.f.
F = 0 s.f.
Exc. = 84 c.y.
Emb. = 0 c.y.
3670
3660
1766+50
C = 47 s.f.
F = 0 s.f.
Exc. = 83 c.y.
Emb. = 0 c.y.
3680
3670
3660
1766+00
C = 43 s.f.
F = 0 s.f.
Exc. = 69 c.y.
Emb. = 5 c.y.
3690
3680
3670
3660
1765+50
C = 32 s.f.
F = 5 s.f.
Exc. = 56 c.y.
Emb. = 30 c.y.
3680
3670
3660
1765+00
C = 28 s.f.
F = 27 s.f.
1770+00
C = 0 s.f.
F = 0 s.f.
3660
3650
Exc. = 19 c.y.
Emb. = 0 c.y.
3660
3650
1769+50
C = 21 s.f.
F = 0 s.f.
Exc. = 54 c.y.
Emb. = 0 c.y.
3670
3660
1769+00
C = 37 s.f.
F = 0 s.f.
Exc. = 87 c.y.
Emb. = 0 c.y.
3670
3660
1768+50
C = 57 s.f.
F = 0 s.f.
Exc. = 98 c.y.
Emb. = 0 c.y.
3670
3660
1768+00
C = 49 s.f.
F = 0 s.f.
Exc. = 96 c.y.
Emb. = 0 c.y.
3670
3660
1767+50
C = 55 s.f.
F = 0 s.f.

SCALE:
Horiz.: 1"=10'
Vert.: 1"=10'

SHEET No. 25 OF 25 SHEETS

ORIGINAL PLAN
NOTE BOOK dd6.george 3mamdxs25
No. ____
SURVEY PLOTTED BY ____ DATE
DRAWN BY K. Tom-Hirota / J.M. r3-13-97
TRACED BY ____
DESIGNED BY J. Fujimoto/R. Takaesu
QUANTITIES BY ____
CHECKED BY ____