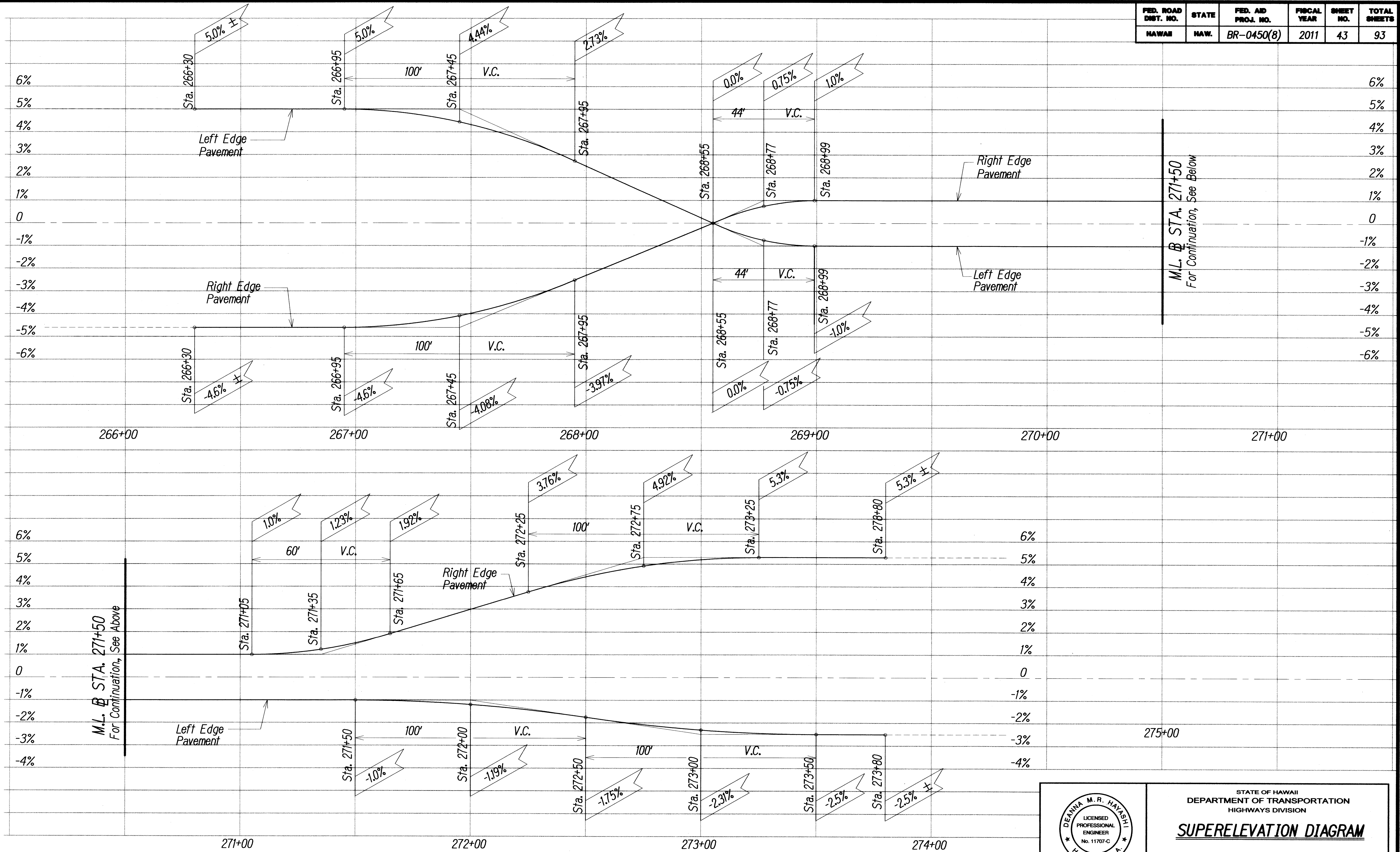


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-0450(8)	2011	43	93



SUPERELEVATION DIAGRAM-KAM. V HWY.
 SCALE: HORIZ. 1" = 20'
 VERT. 1" = 2'

DEANNA M.R. HAYASHI
 LICENSED PROFESSIONAL ENGINEER
 No. 11707-C
 HAWAII, U.S.A.

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

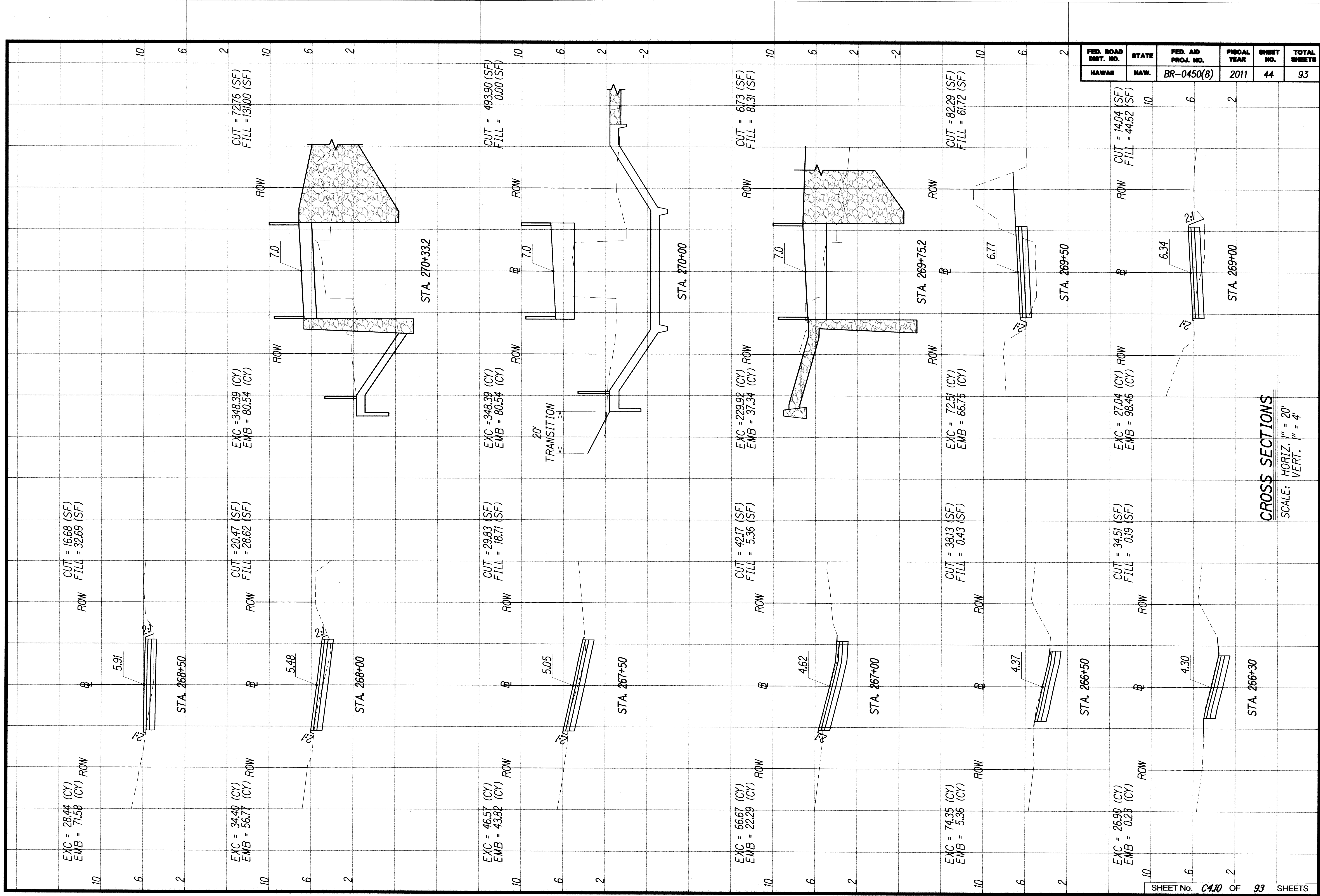
SUPERELEVATION DIAGRAM

KAMEHAMEHA V HIGHWAY
Kawela Bridge Replacement
Federal Aid Project No. BR-0450(8)

Scale: AS NOTED Date: Oct. 2010

SHEET No. **C4.09** OF **93** SHEETS

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



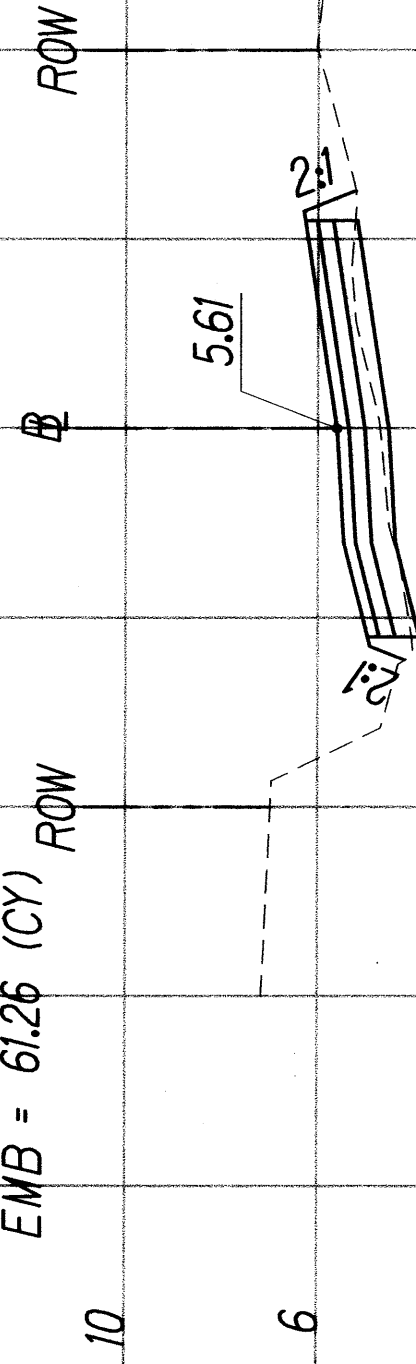
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-0450(8)	2011	44	93

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

EARTHWORK SUMMARY	
TOTAL EXC=	1176.32 (CY)
TOTAL EMB=	935.41 (CY)

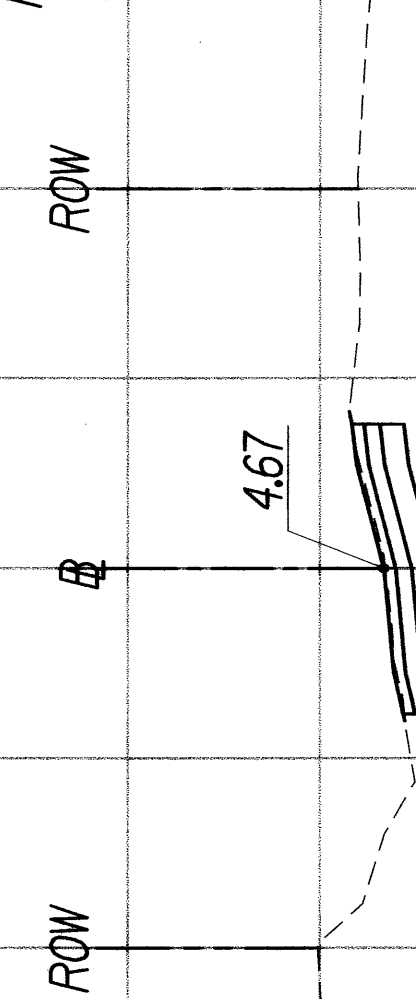
EXC = 32.16 (CY)
EMB = 61.26 (CY)

CUT = 7.88 (SF)
FILL = 43.62 (SF)



STA 272+00

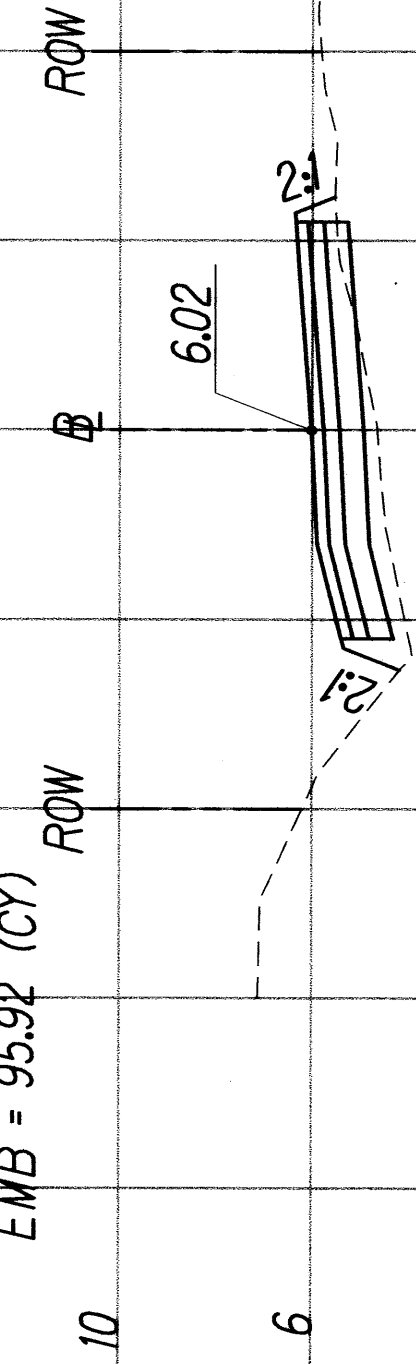
CUT = 3.48 (SF)
FILL = 1.49 (SF)



STA 273+80

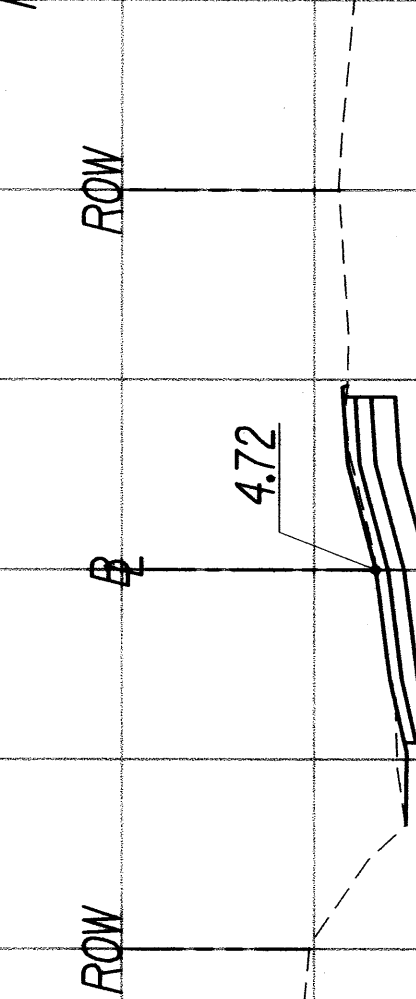
EXC = 8.89 (CY)
EMB = 95.92 (CY)

CUT = (SF)
FILL = (SF)



STA 271+50

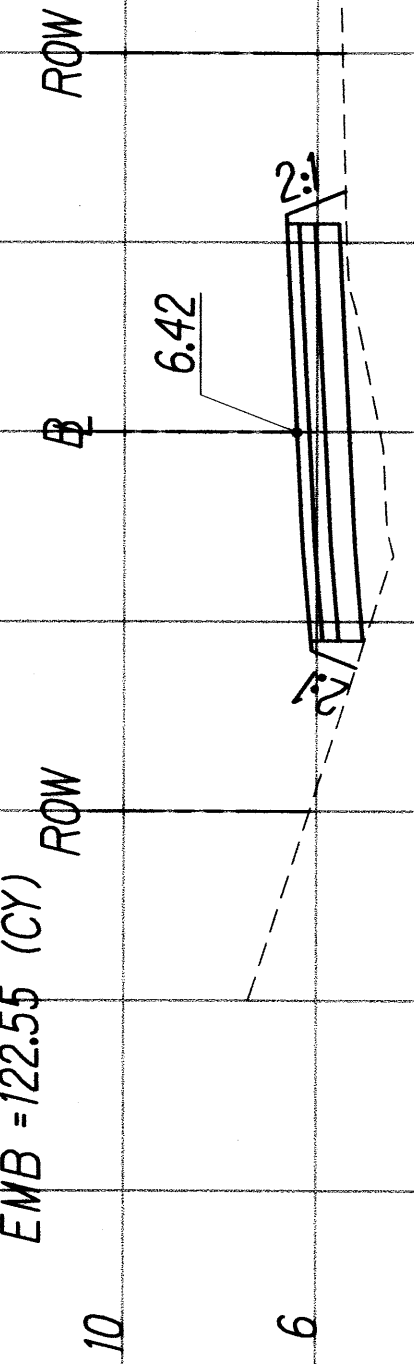
CUT = 38.31 (SF)
FILL = 1.18 (SF)



STA 273+50

EXC = 1.59 (CY)
EMB = 122.55 (CY)

CUT = 0.00 (SF)
FILL = 72.38 (SF)



STA 271+00

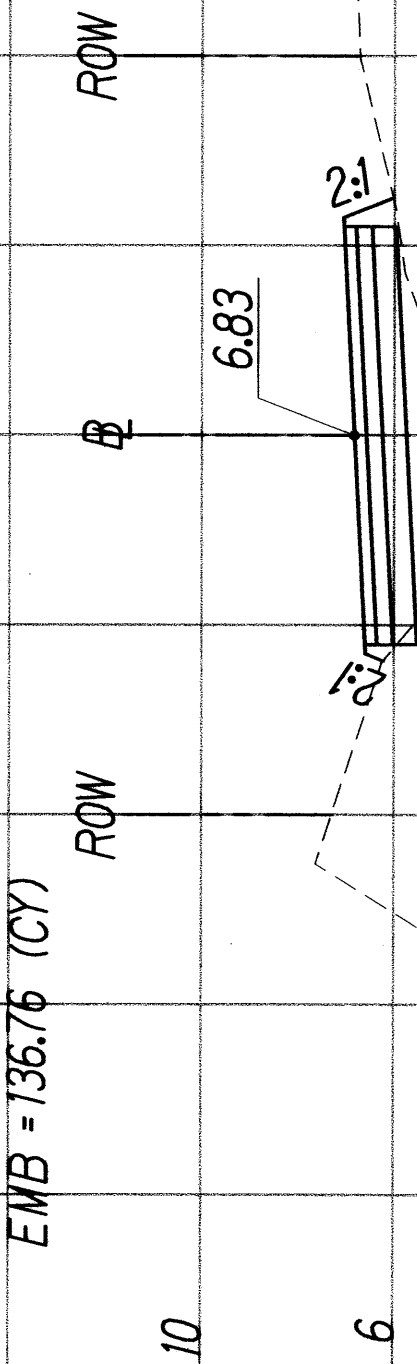
CUT = 42.62 (SF)
FILL = 6.66 (SF)



STA 273+00

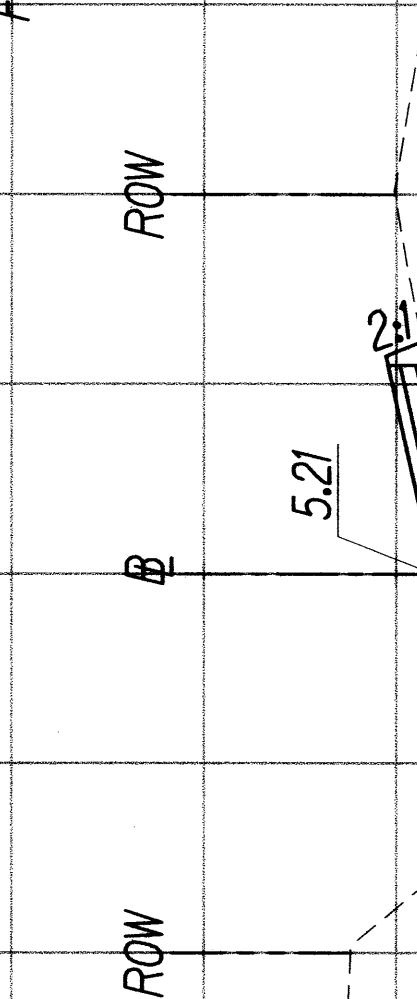
EXC = 0.46 (CY)
EMB = 136.76 (CY)

CUT = 0.50 (SF)
FILL = 75.32 (SF)



STA 270+50

CUT = 26.85 (SF)
FILL = 22.54 (SF)



STA 272+50

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-0450(8)	2011	45	93

CROSS SECTIONS

SCALE: HORIZ. 1" = 20'
VERT. 1" = 4'