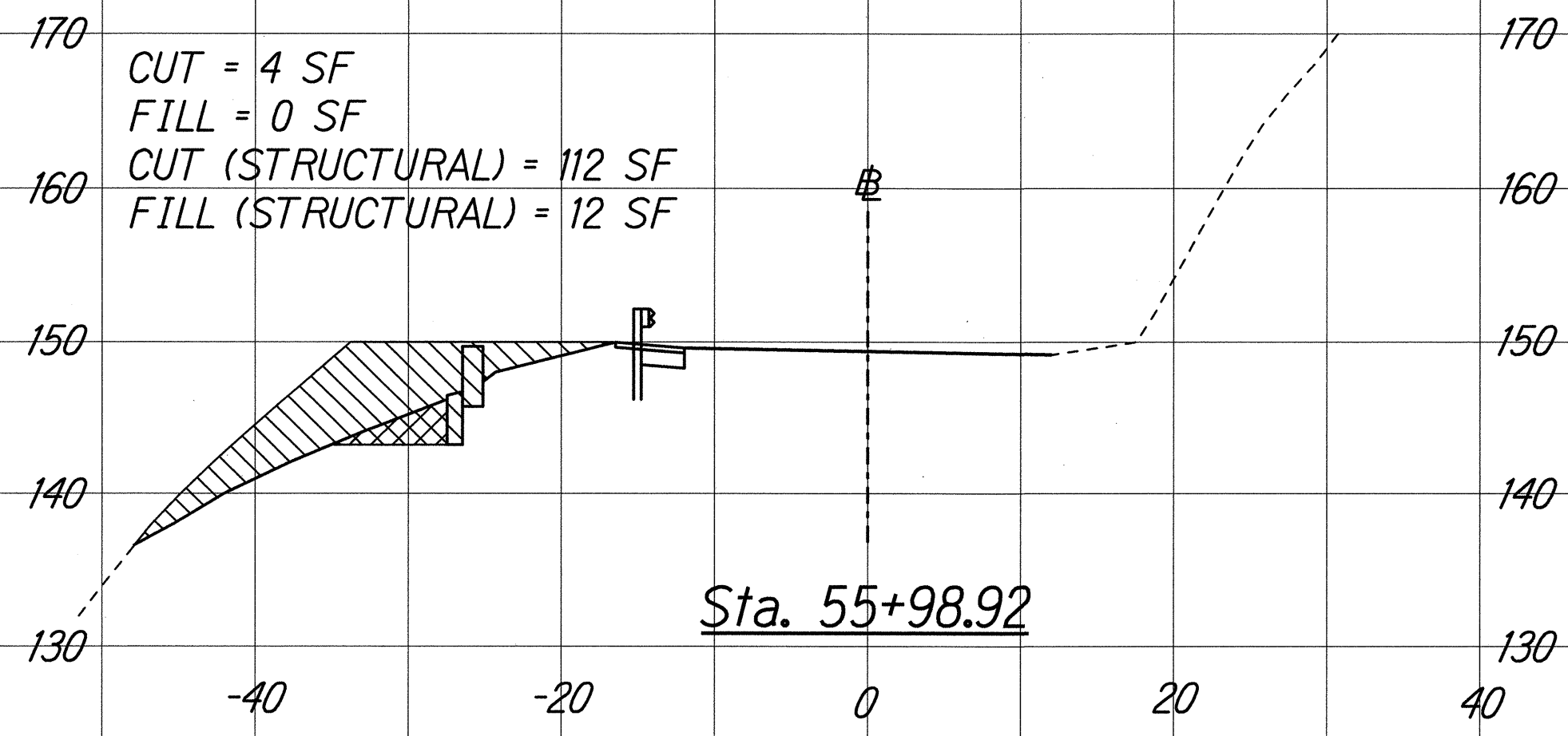
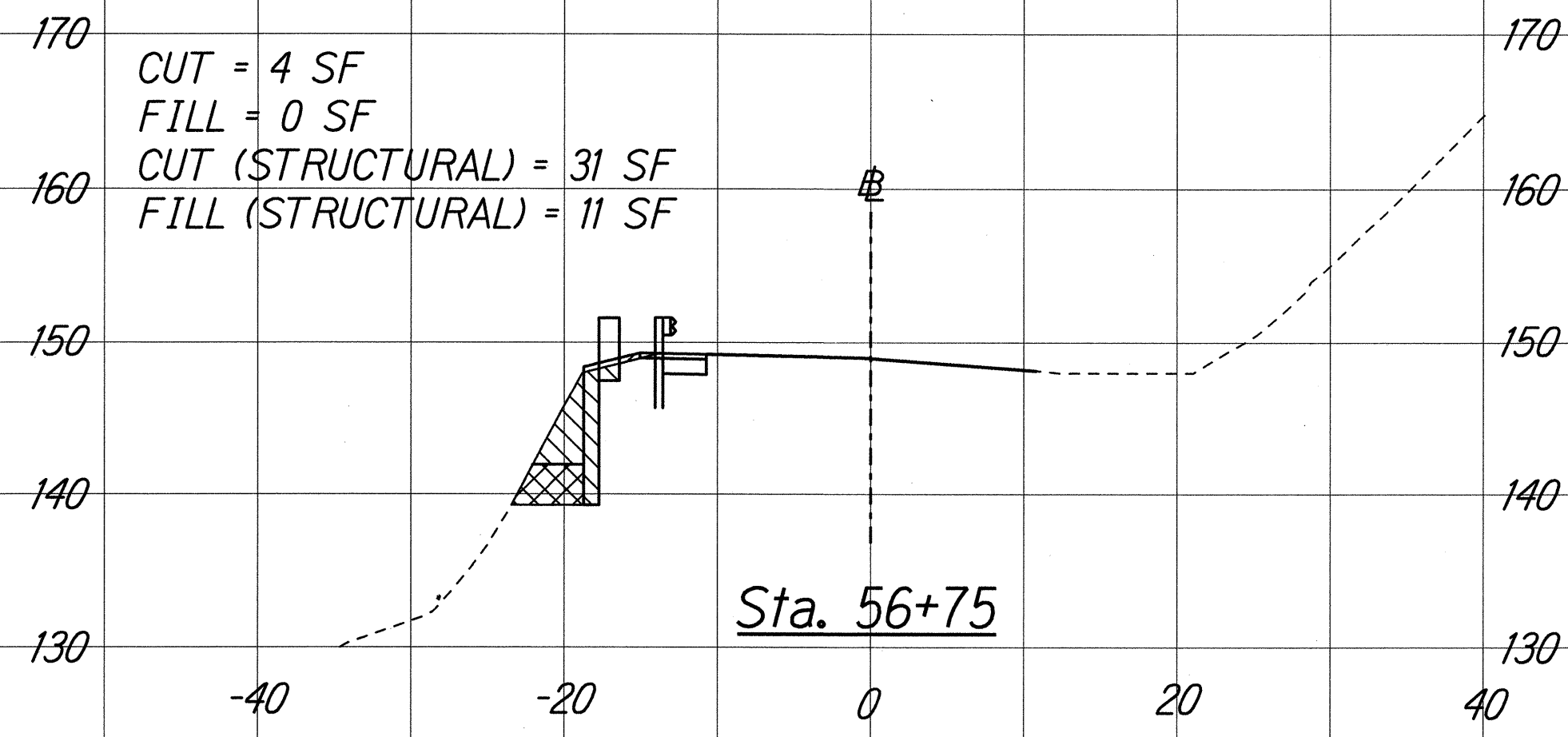


FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-16(002)	2014	28	54

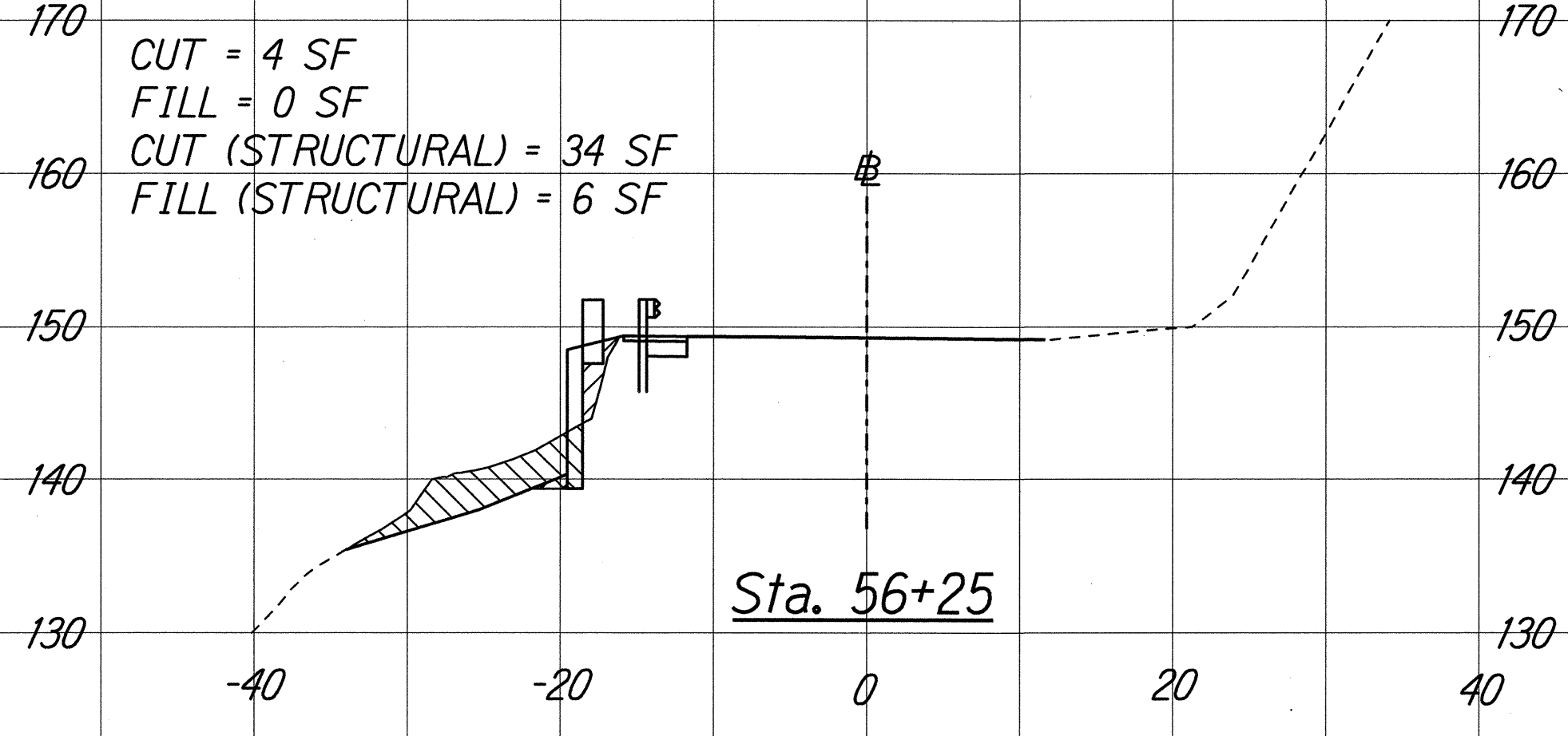


EXC = 4 CY
EMB = 0 CY
EXC (STRUCTURAL) = 71 CY
EMB (STRUCTURAL) = 9 CY

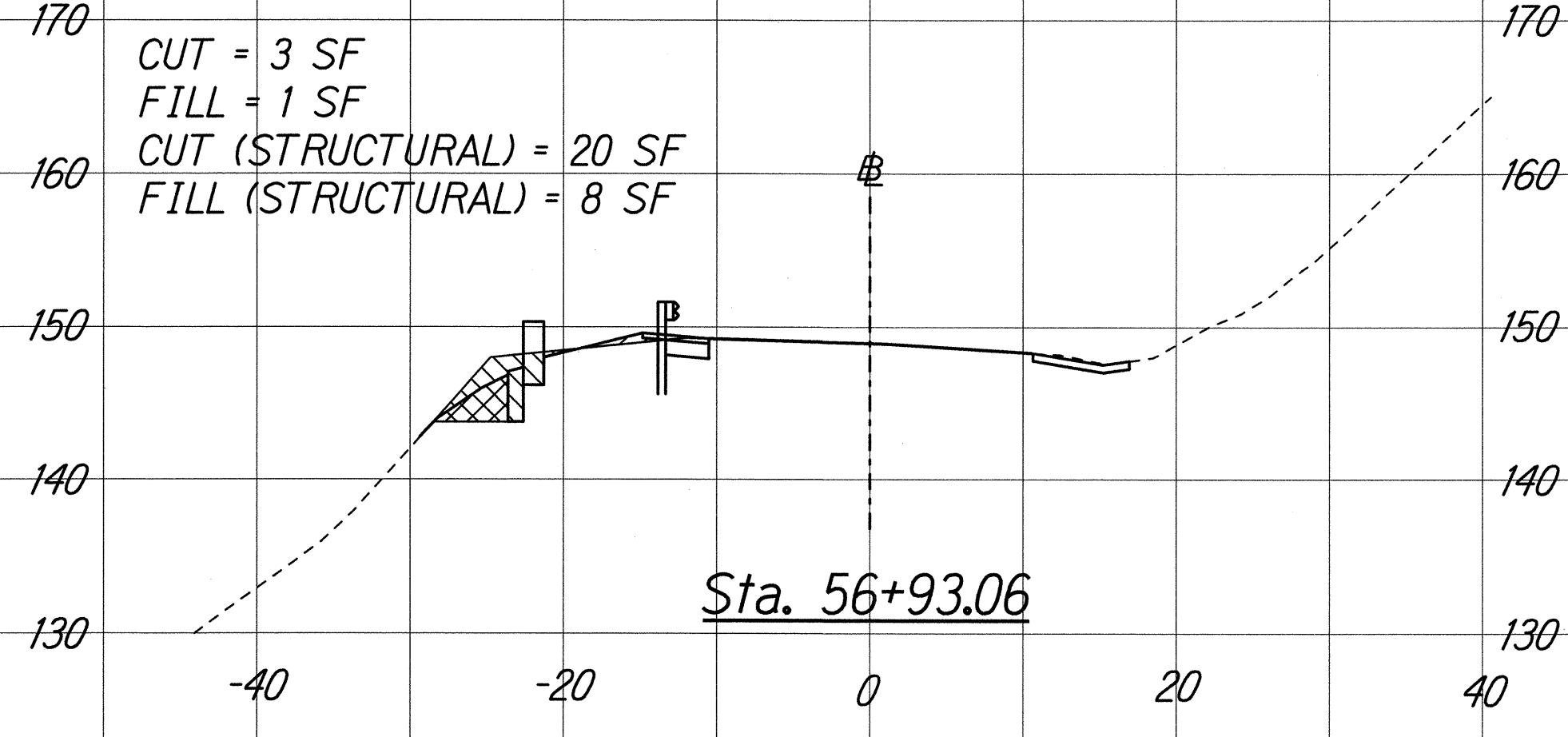


EXC = 2 CY
EMB = 0 CY
EXC (STRUCTURAL) = 17 CY
EMB (STRUCTURAL) = 6 CY

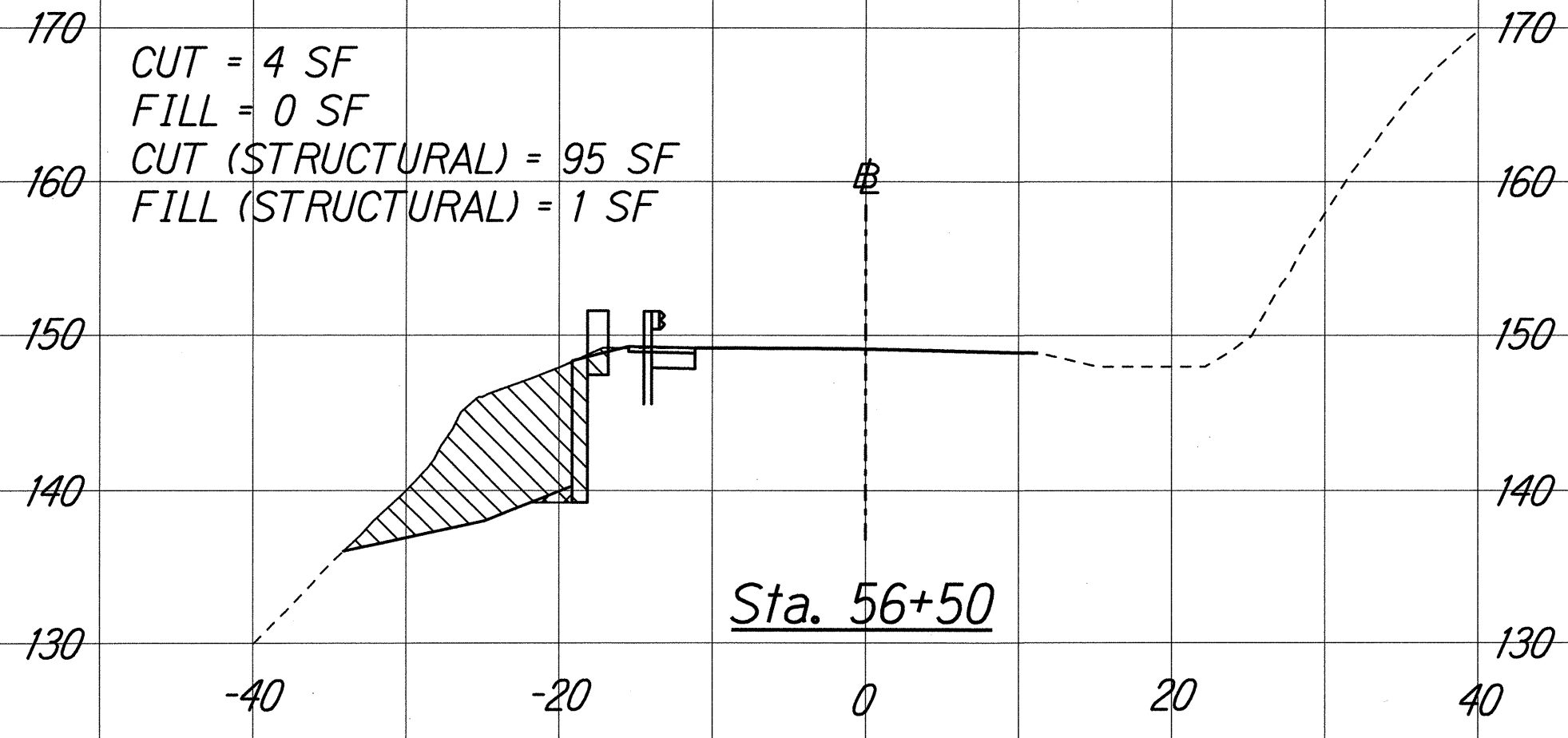
CUT
FILL



EXC = 4 CY
EMB = 0 CY
EXC (STRUCTURAL) = 60 CY
EMB (STRUCTURAL) = 3 CY



EXC = 2 CY
EMB = 1 CY



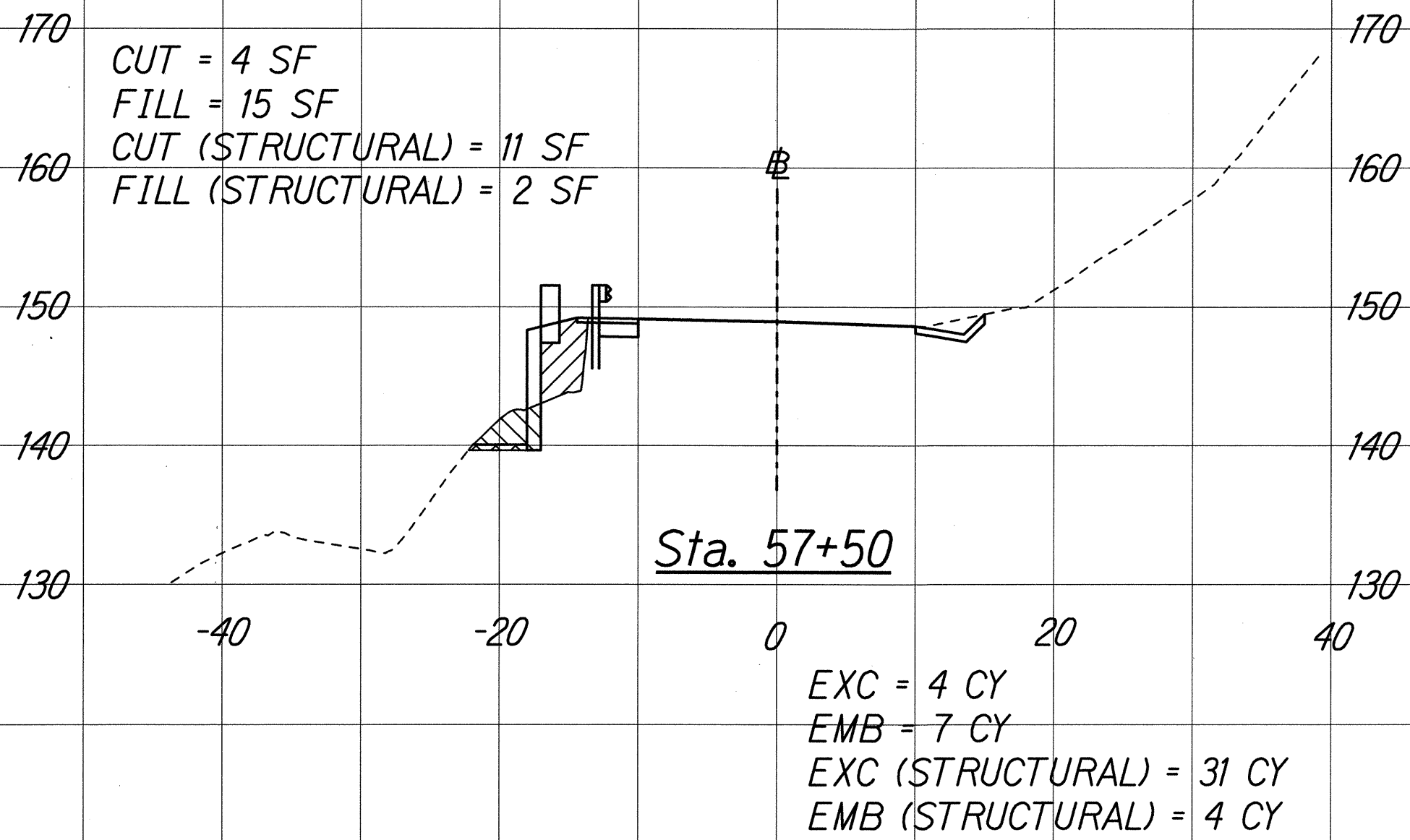
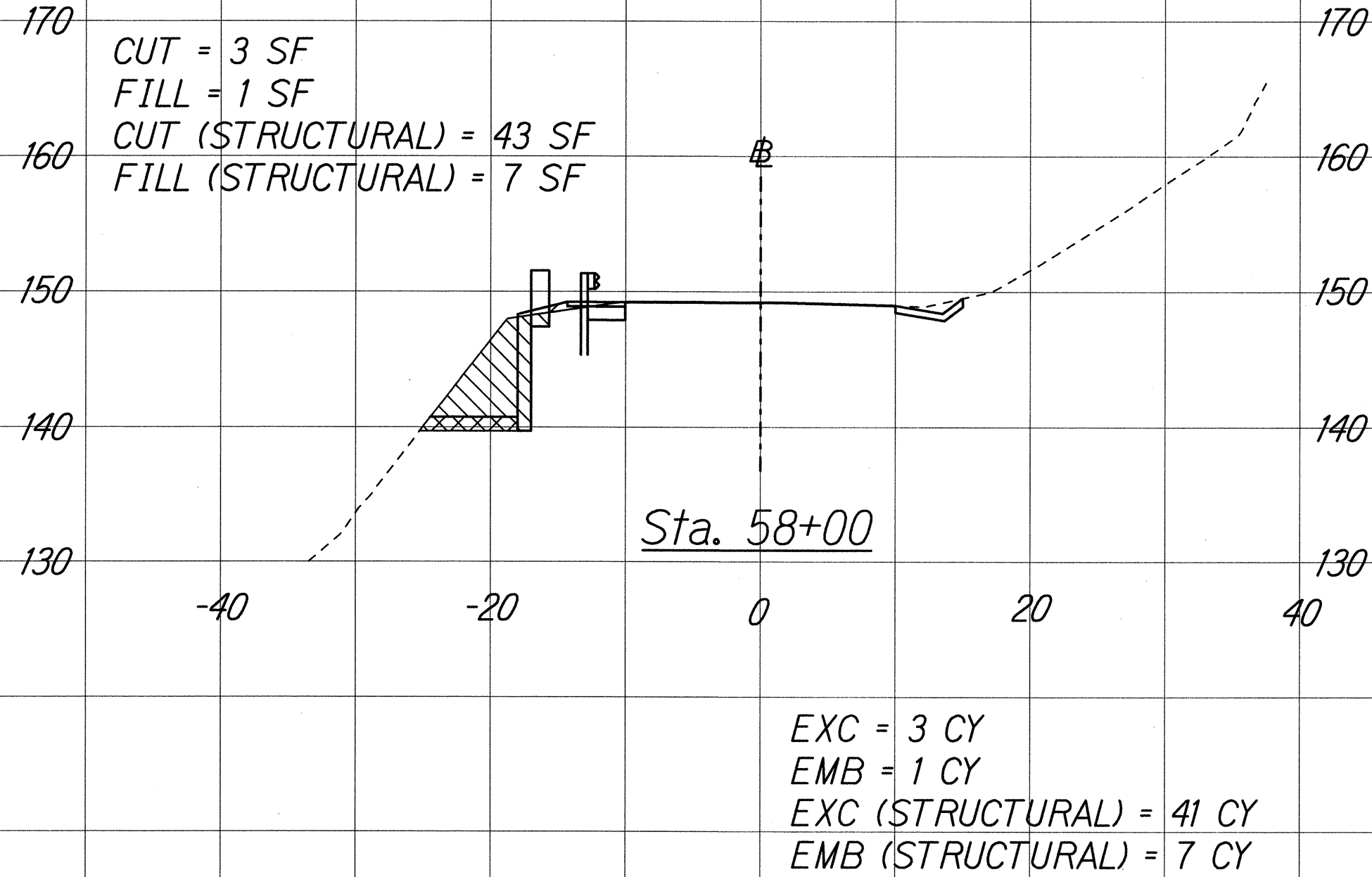
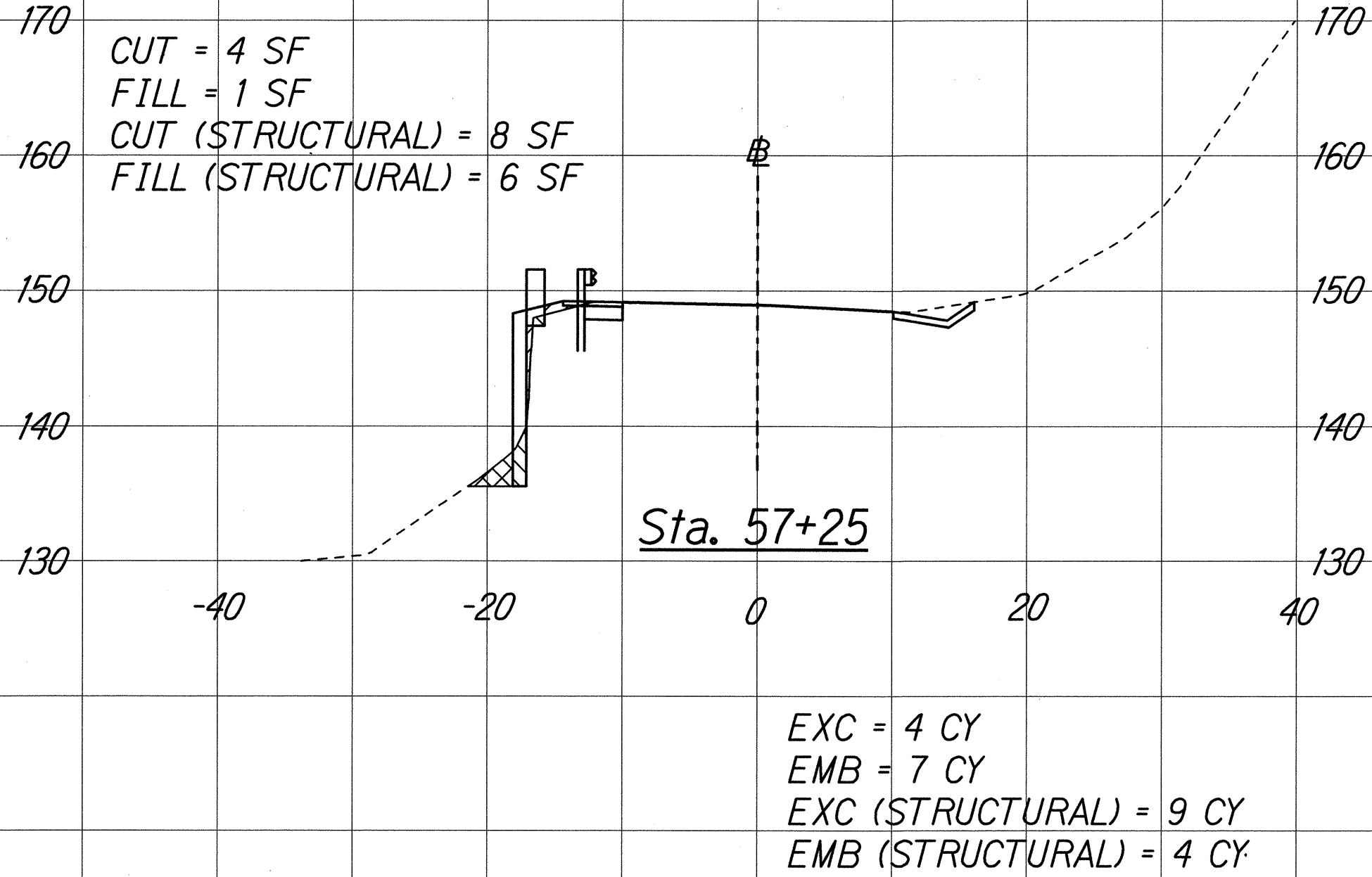
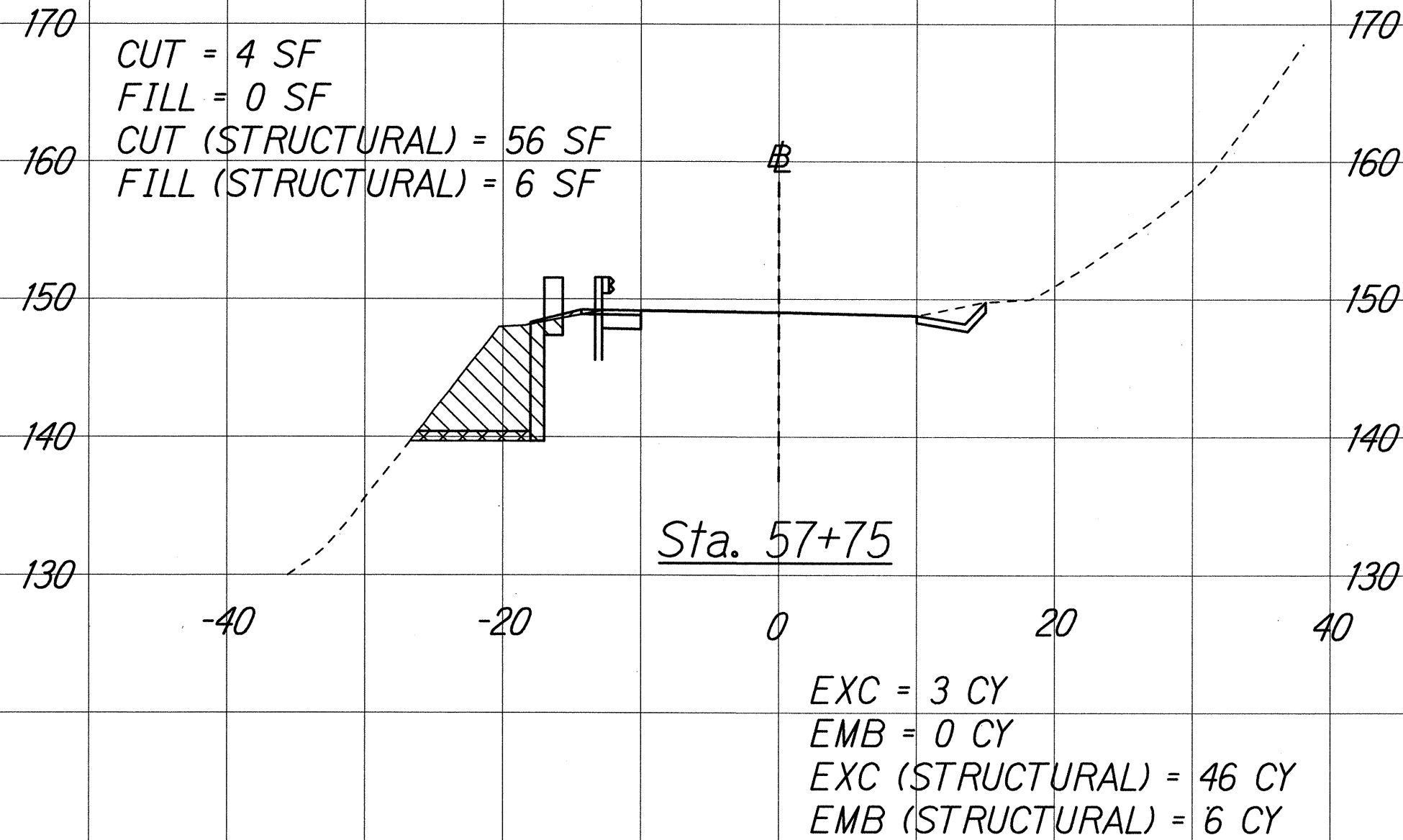
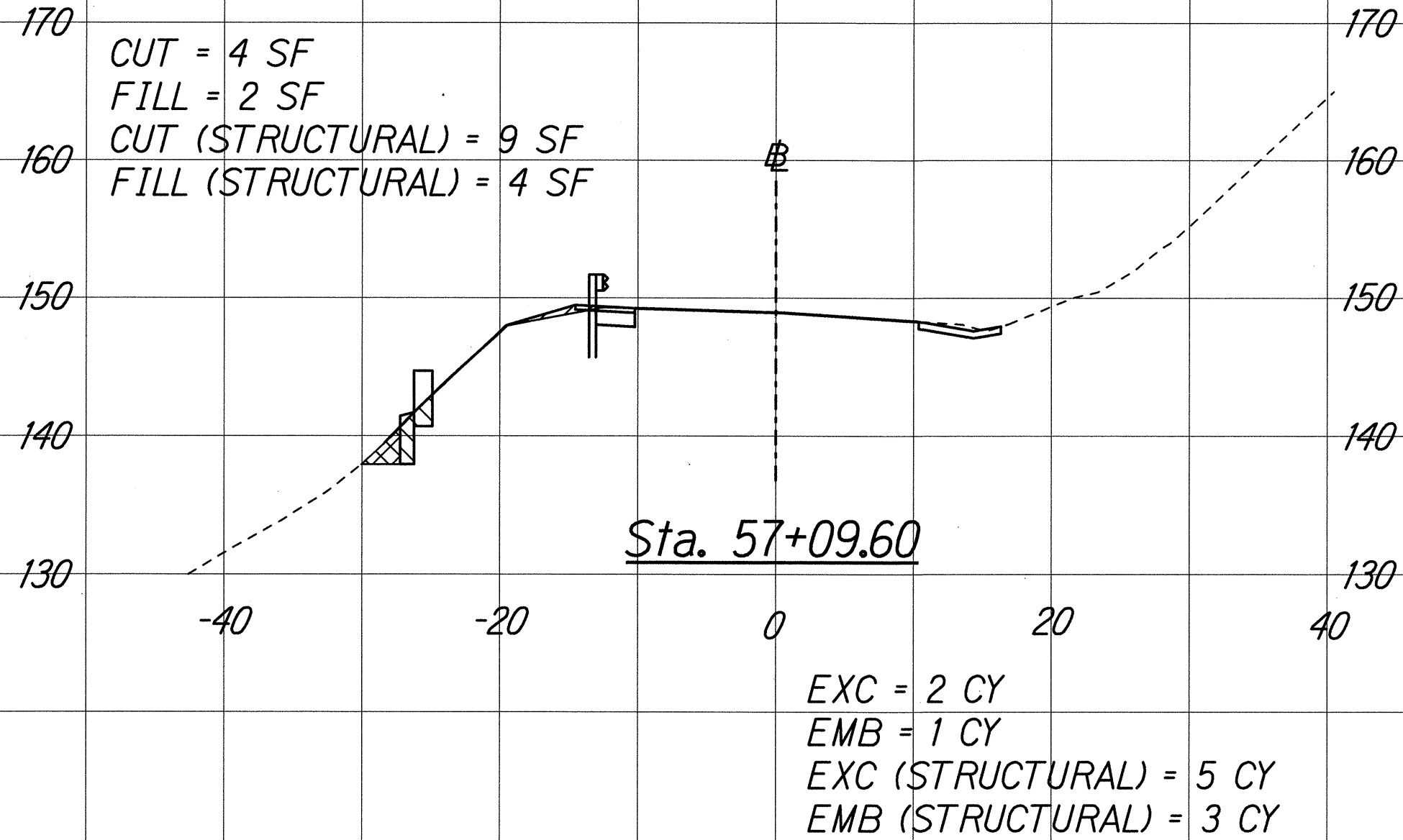
EXC = 4 CY
EMB = 0 CY
EXC (STRUCTURAL) = 58 CY
EMB (STRUCTURAL) = 6 CY

ORIGINAL PLAN
DATE
DRAWN BY
DESIGNED BY
CHECKED BY

PAMELA K. UYEDA
LICENSED PROFESSIONAL ENGINEER
No. 10352-C
HAWAII, U.S.A.
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
SIGNATURE
EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
KUHIO HIGHWAY
CROSS SECTIONS - 1
KUHIO HIGHWAY (ROUTE 560)
EMERGENCY SLOPE STABILIZATION IN LUMAHAI
IN THE VICINITY OF M.P. 5.1 TO 5.3
Fed. Aid Proj. No. ER-16(002)
Scale: 1"=10'
Date: Oct. 25, 2013

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-16(002)	2014	29	54



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

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[Signature] 04/30/14
SIGNATURE EXPIRATION DATE OF THE LICENSE

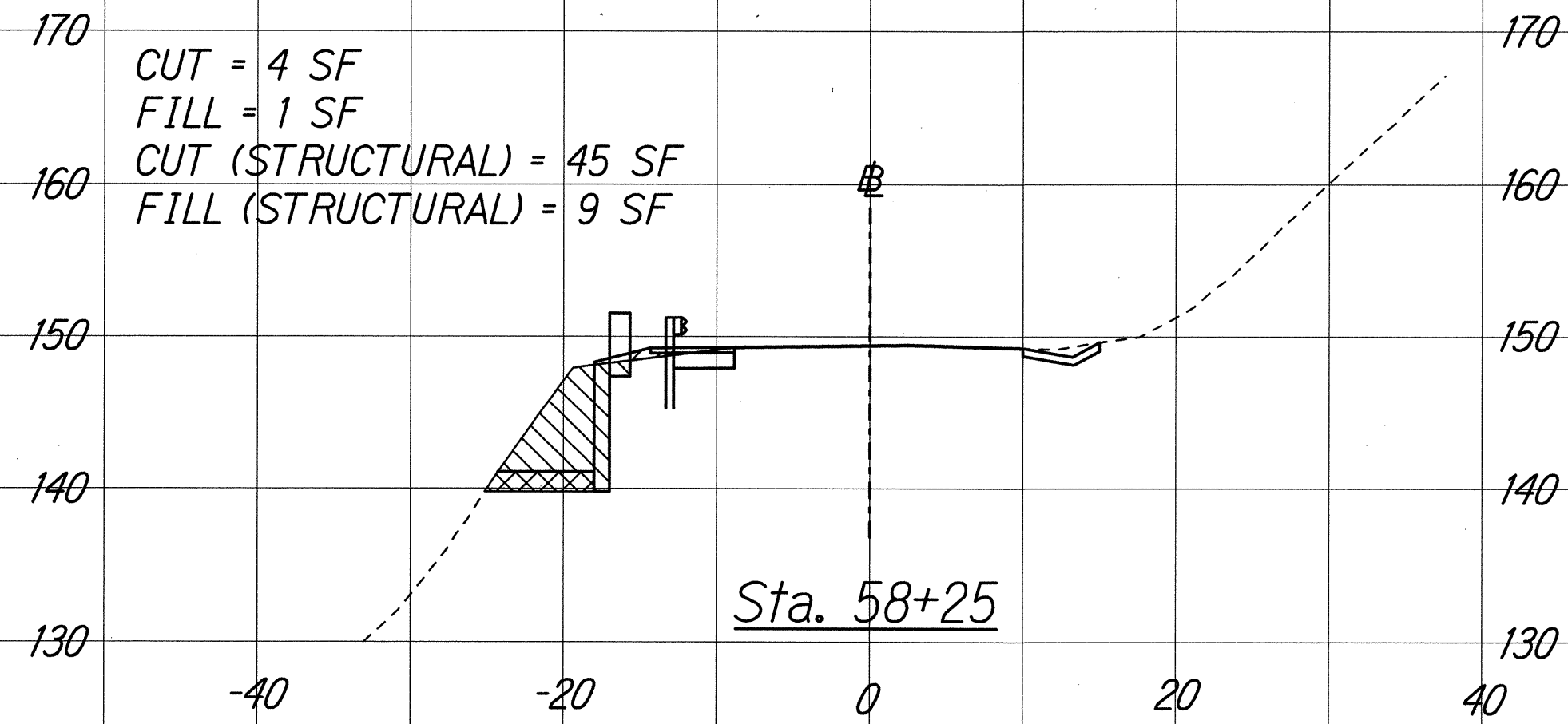
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

KUHIO HIGHWAY
CROSS SECTIONS - 2
KUHIO HIGHWAY (ROUTE 560)
EMERGENCY SLOPE STABILIZATION IN LUMAHAI
IN THE VICINITY OF M.P. 5.1 TO 5.3
Fed. Aid Proj. No. ER-16(002)

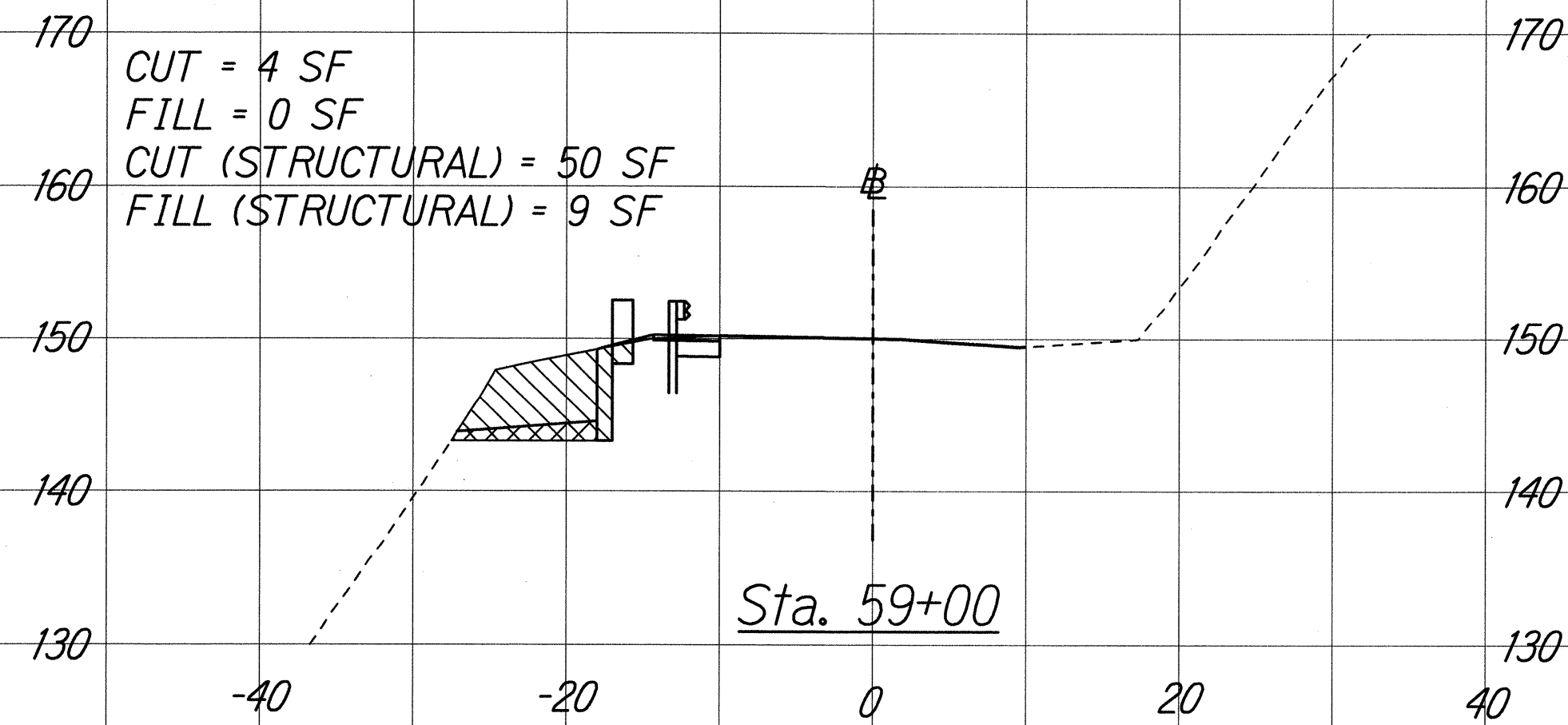
Scale: 1"=10' Date: Oct. 25, 2013

SHEET No. X12 OF 4 SHEETS

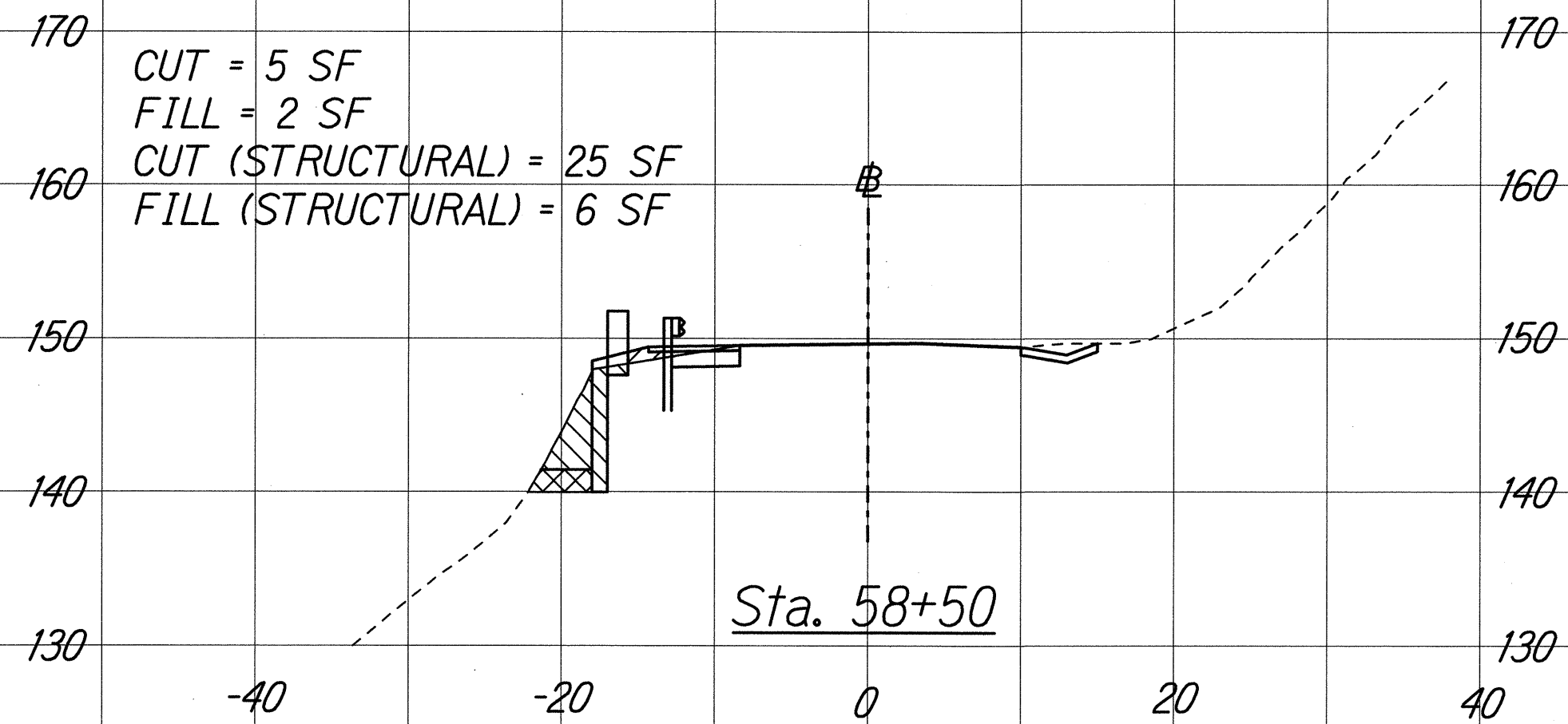
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-16(002)	2014	30	54



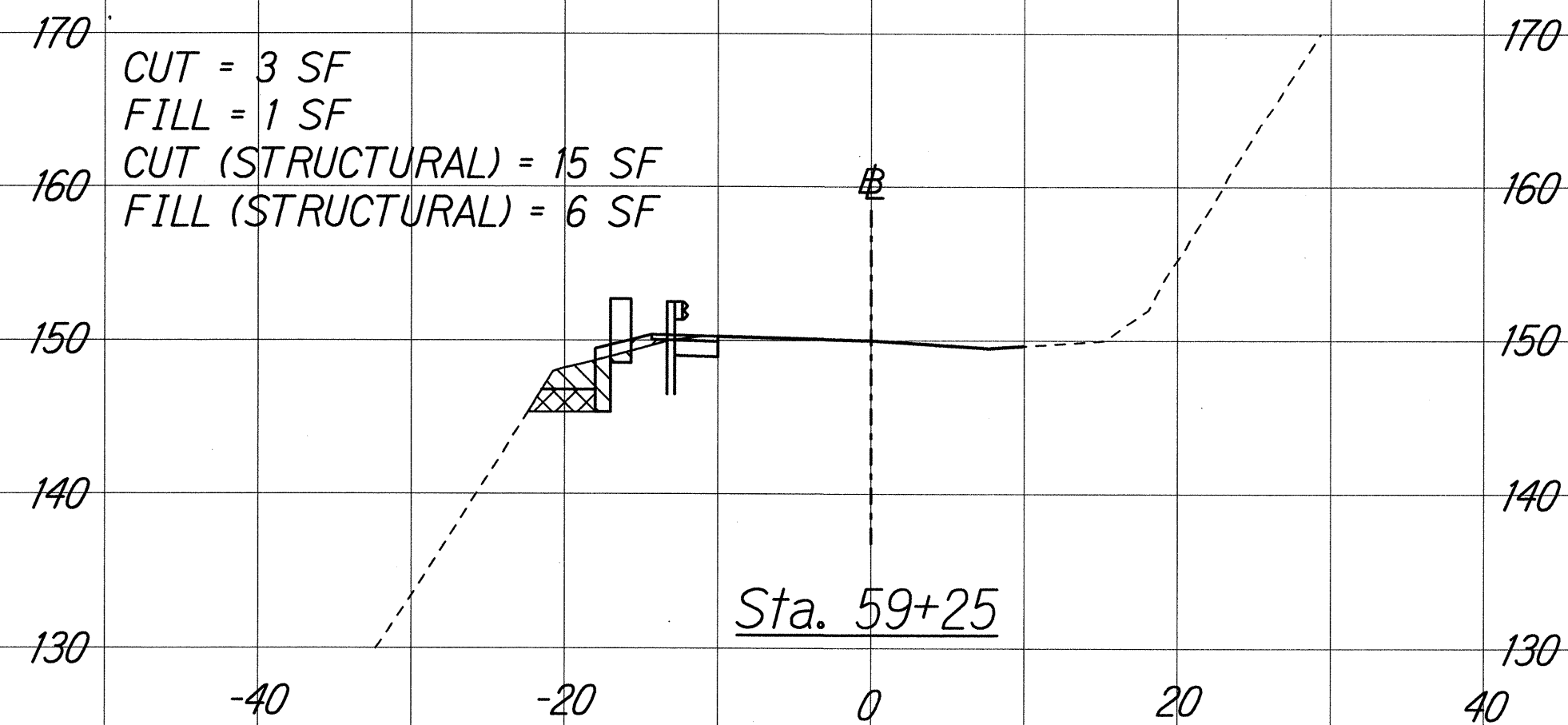
EXC = 4 CY
EMB = 1 CY
EXC (STRUCTURAL) = 32 CY
EMB (STRUCTURAL) = 7 CY



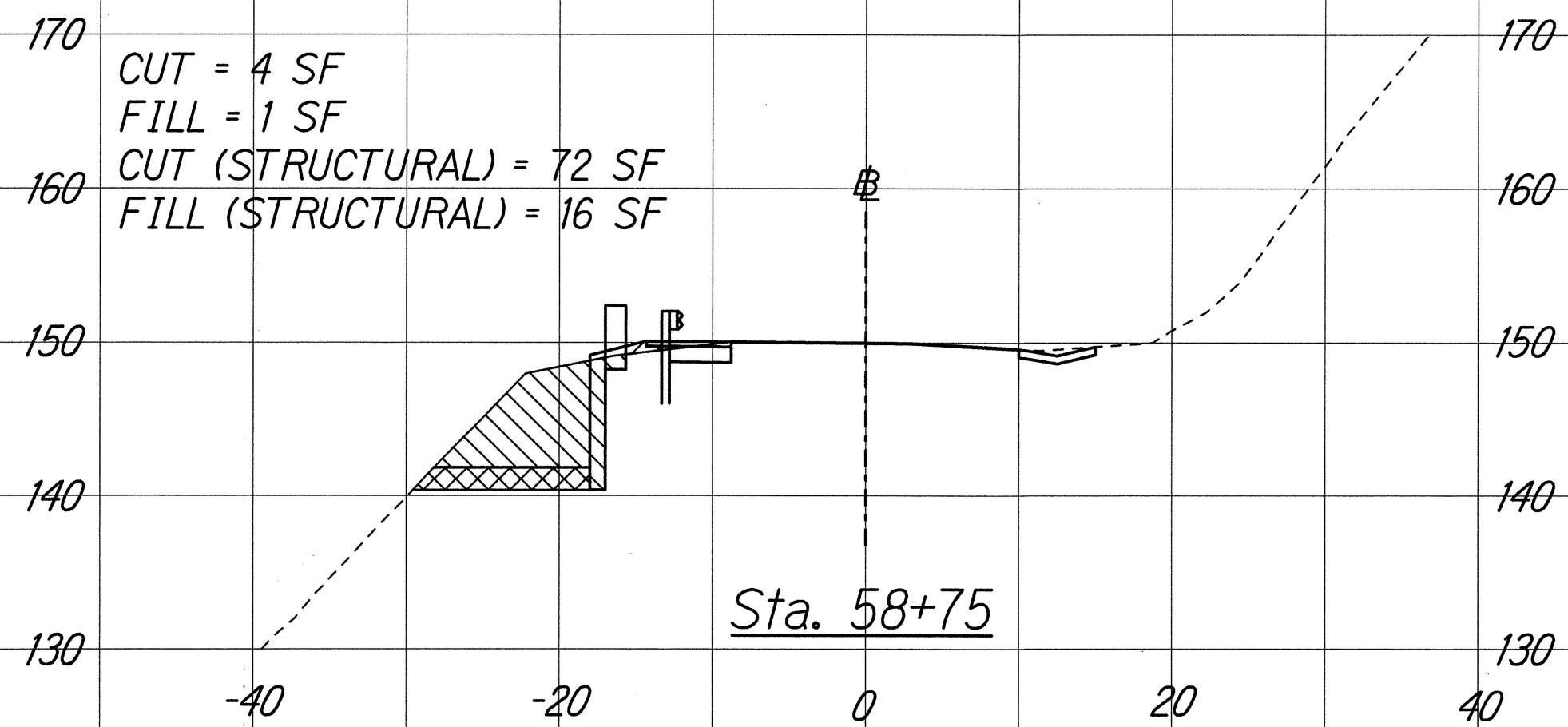
EXC = 3 CY
EMB = 0 CY
EXC (STRUCTURAL) = 30 CY
EMB (STRUCTURAL) = 7 CY



EXC = 4 CY
EMB = 1 CY
EXC (STRUCTURAL) = 45 CY
EMB (STRUCTURAL) = 10 CY



EXC = 3 CY
EMB = 0 CY
EXC (STRUCTURAL) = 23 CY
EMB (STRUCTURAL) = 11 CY



EXC = 4 CY
EMB = 0 CY
EXC (STRUCTURAL) = 56 CY
EMB (STRUCTURAL) = 12 CY

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
CHECKED BY	
NOTE BOOK	
NA	

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OR UNDER MY SUPERVISION.

[Signature] 04/30/14
SIGNATURE EXPIRATION DATE
OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

KUHIO HIGHWAY
CROSS SECTIONS - 3
KUHIO HIGHWAY (ROUTE 560)
EMERGENCY SLOPE STABILIZATION IN LUMAHA
IN THE VICINITY OF M.P. 5.1 TO 5.3
Fed. Aid Proj. No. ER-16(002)

Scale: 1"=10' Date: Oct. 25, 2013

SHEET No. X13 OF 4 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-16(002)	2014	31	54

TOTAL

EXC = 50 CY
EMB = 19 CY
EXC (STRUCTURAL) = 534 CY
EMB (STRUCTURAL) = 96 CY

CUT = 4 SF
FILL = 0 SF
CUT (STRUCTURAL) = 34 SF
FILL (STRUCTURAL) = 17 SF

Sta. 59+50

EXC = 0 CY
EMB = 0 CY
EXC (STRUCTURAL) = 2 CY
EMB (STRUCTURAL) = 1 CY

CUT = 0 SF
FILL = 0 SF
CUT (STRUCTURAL) = 5 SF
FILL (STRUCTURAL) = 0 SF

Sta. 59+75

EXC = 0 CY
EMB = 0 CY
EXC (STRUCTURAL) = 3 CY
EMB (STRUCTURAL) = 1 CY

CUT = 4 SF
FILL = 0 SF
CUT (STRUCTURAL) = 40 SF
FILL (STRUCTURAL) = 20 SF

Sta. 59+51.23 (Back)

CUT = 1 SF
FILL = 0 SF
CUT (STRUCTURAL) = 5 SF
FILL (STRUCTURAL) = 3 SF

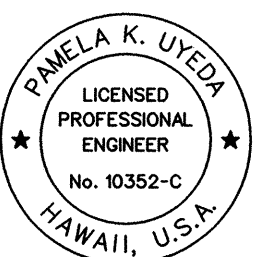
Sta. 59+89.5±

CUT = 1 SF
FILL = 0 SF
CUT (STRUCTURAL) = 6 SF
FILL (STRUCTURAL) = 0 SF

Sta. 59+51.23 (Ahead)

EXC = 0 CY
EMB = 0 CY
EXC (STRUCTURAL) = 5 CY
EMB (STRUCTURAL) = 0 CY

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



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.
SIGNATURE: *[Signature]* EXPIRATION DATE OF THE LICENSE: 04/30/14

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
KUHIO HIGHWAY
CROSS SECTIONS - 4
KUHIO HIGHWAY (ROUTE 560)
EMERGENCY SLOPE STABILIZATION IN LUMAHAI
IN THE VICINITY OF M.P. 5.1 TO 5.3
Fed. Aid Proj. No. ER-16(002)
Scale: 1"=10' Date: Oct. 25, 2013