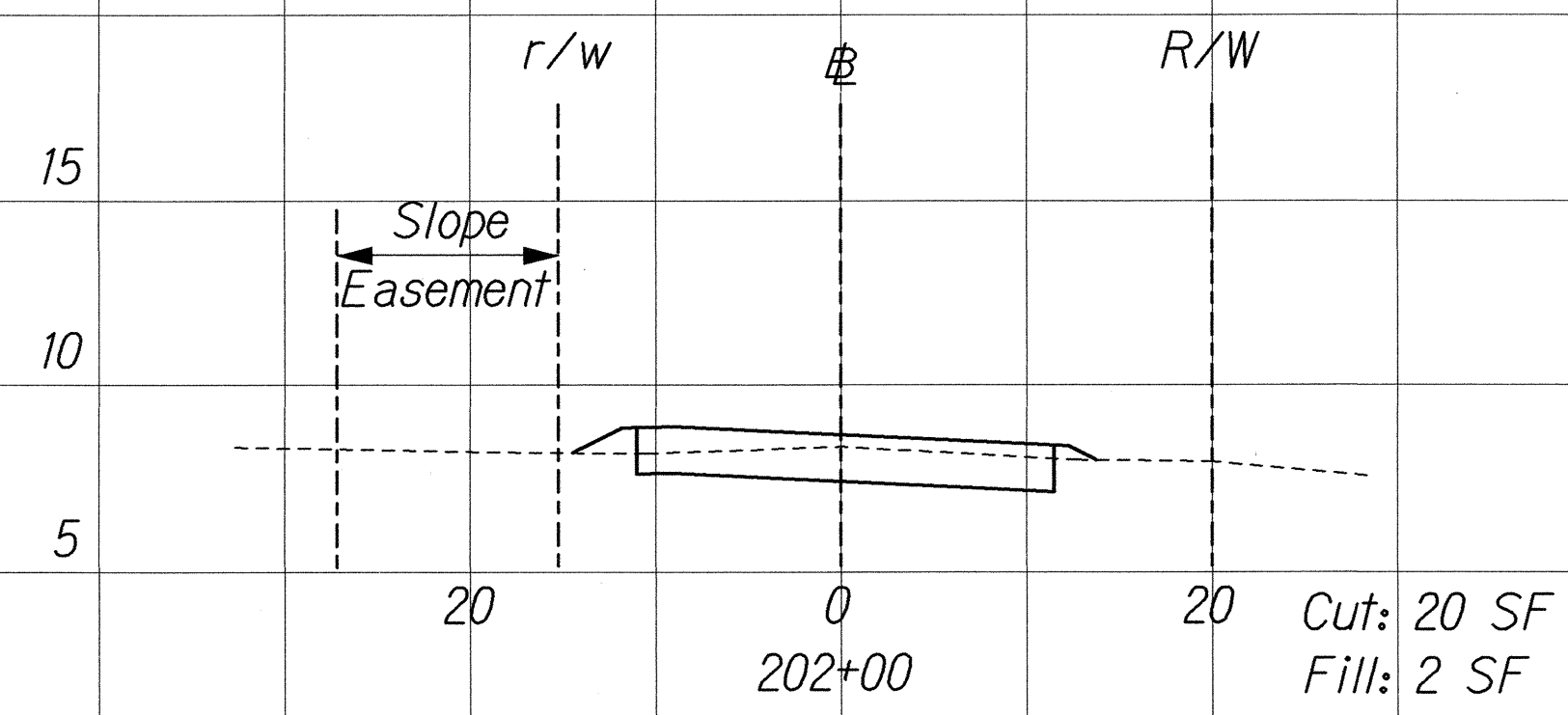
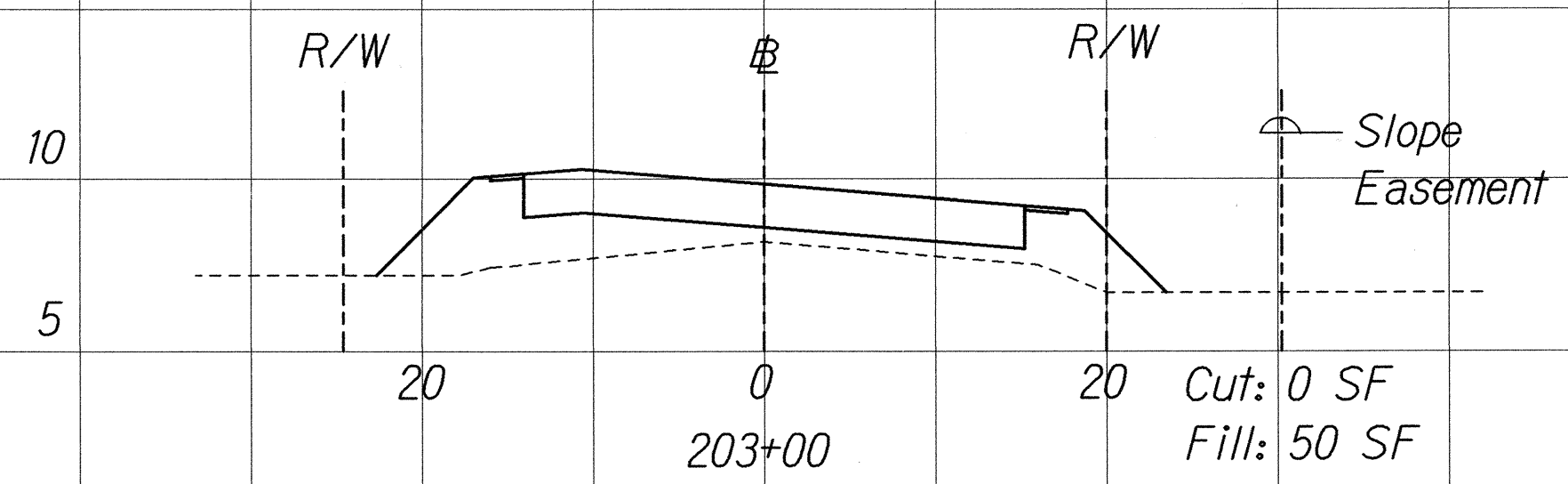


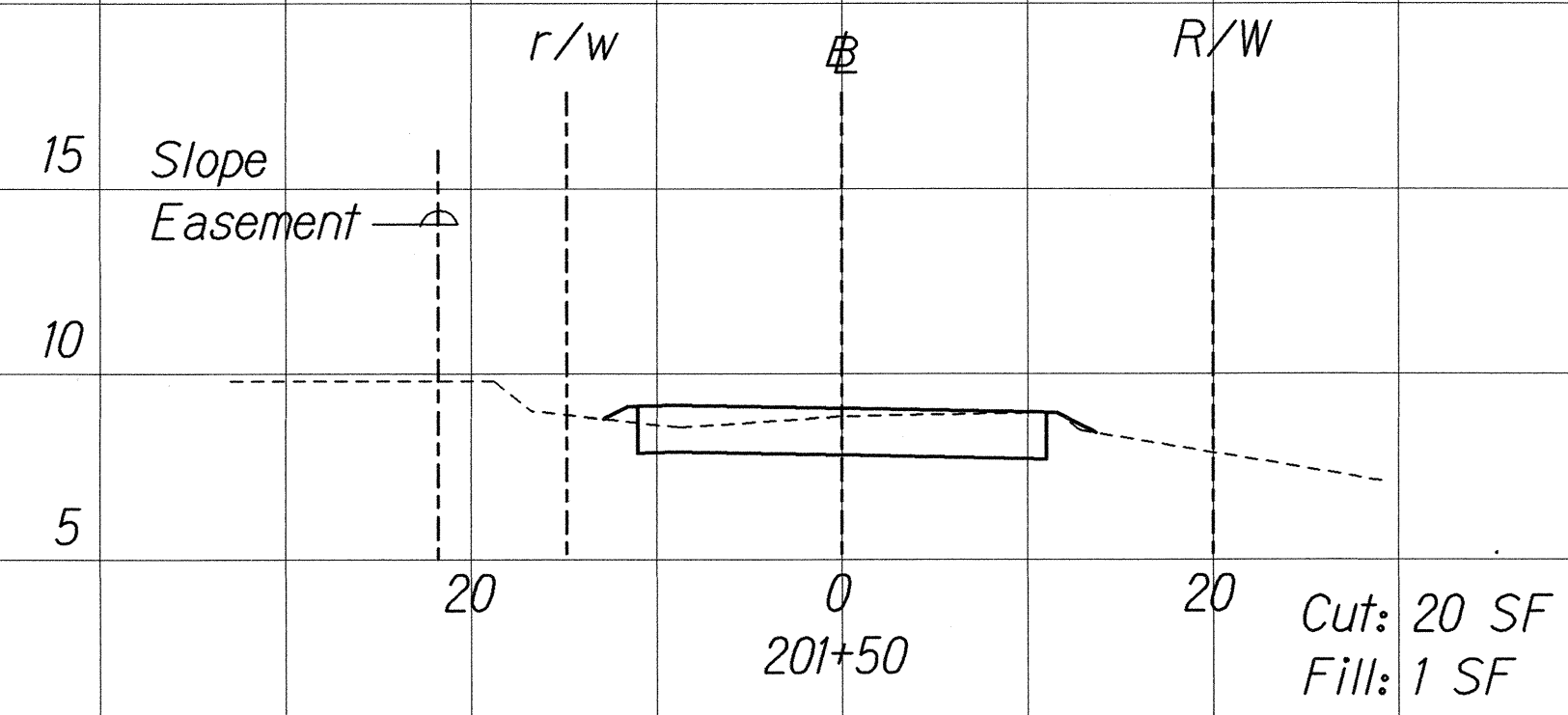
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-12(4)	2003	47	76



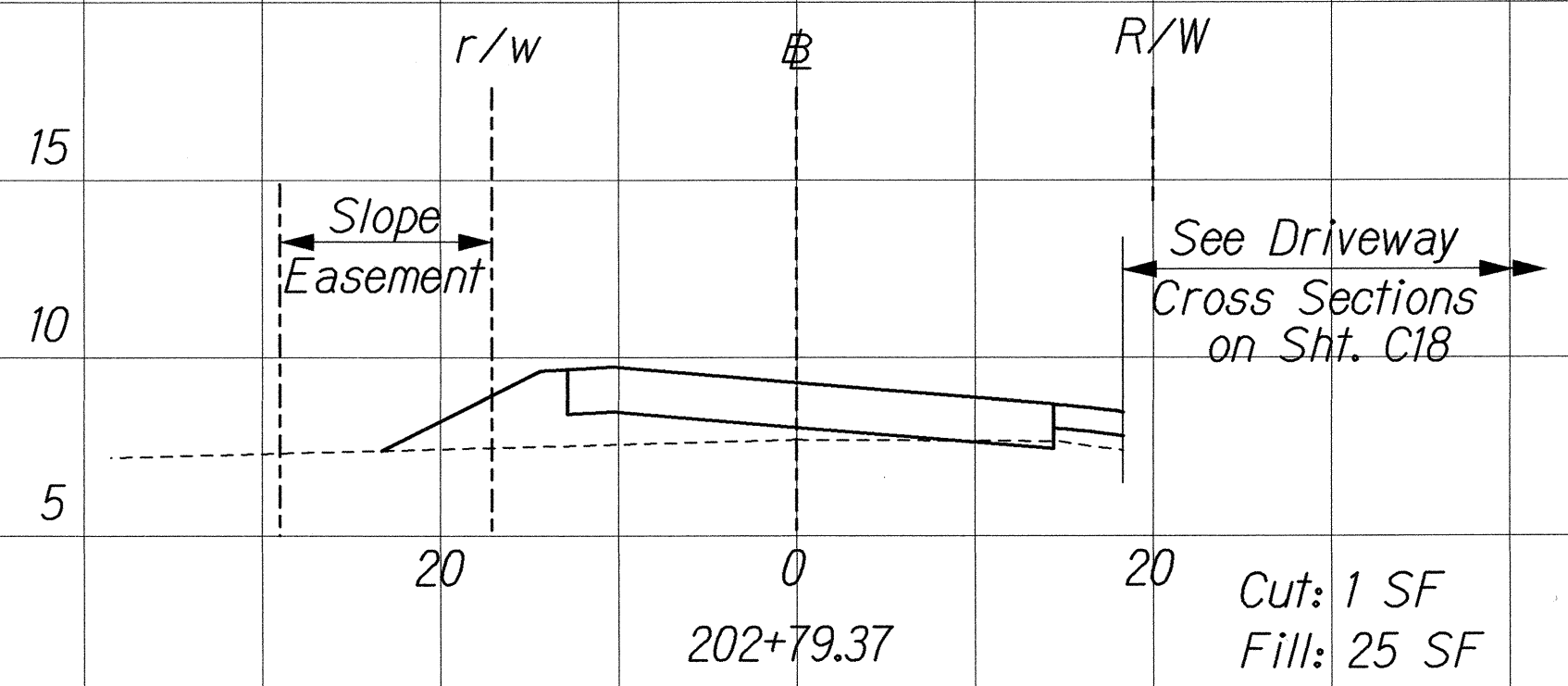
Exc: 35 CY
Emb: 3 CY



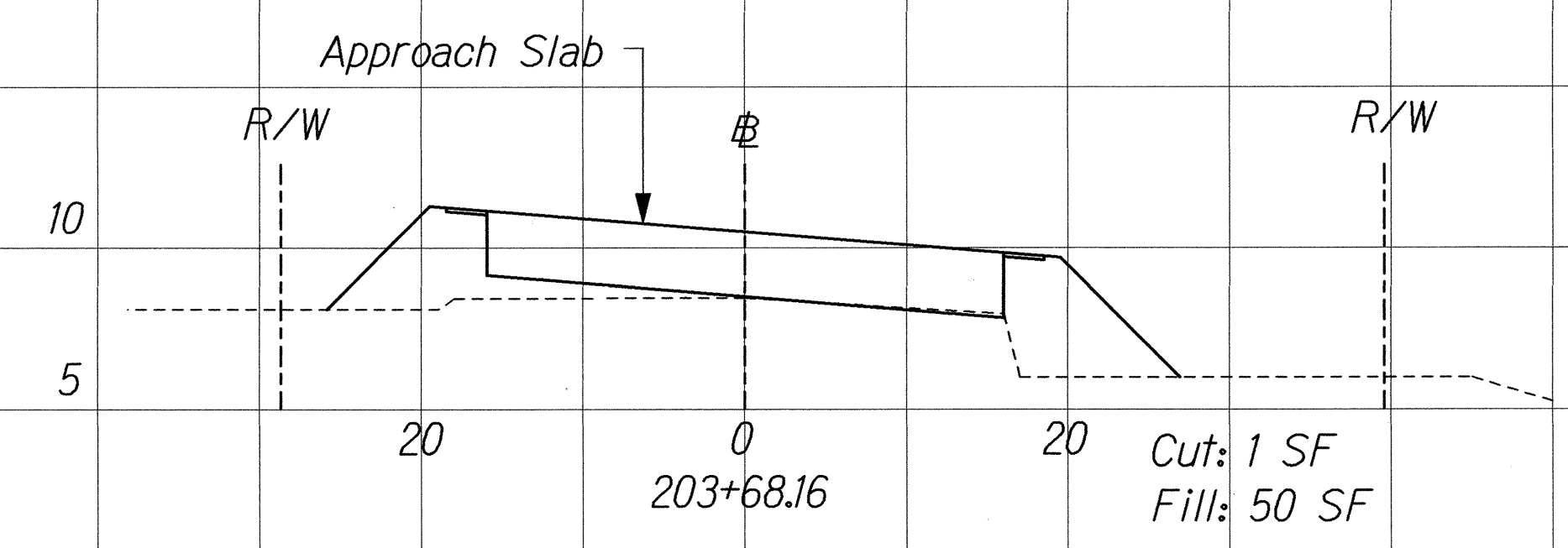
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Emb: 30 CY



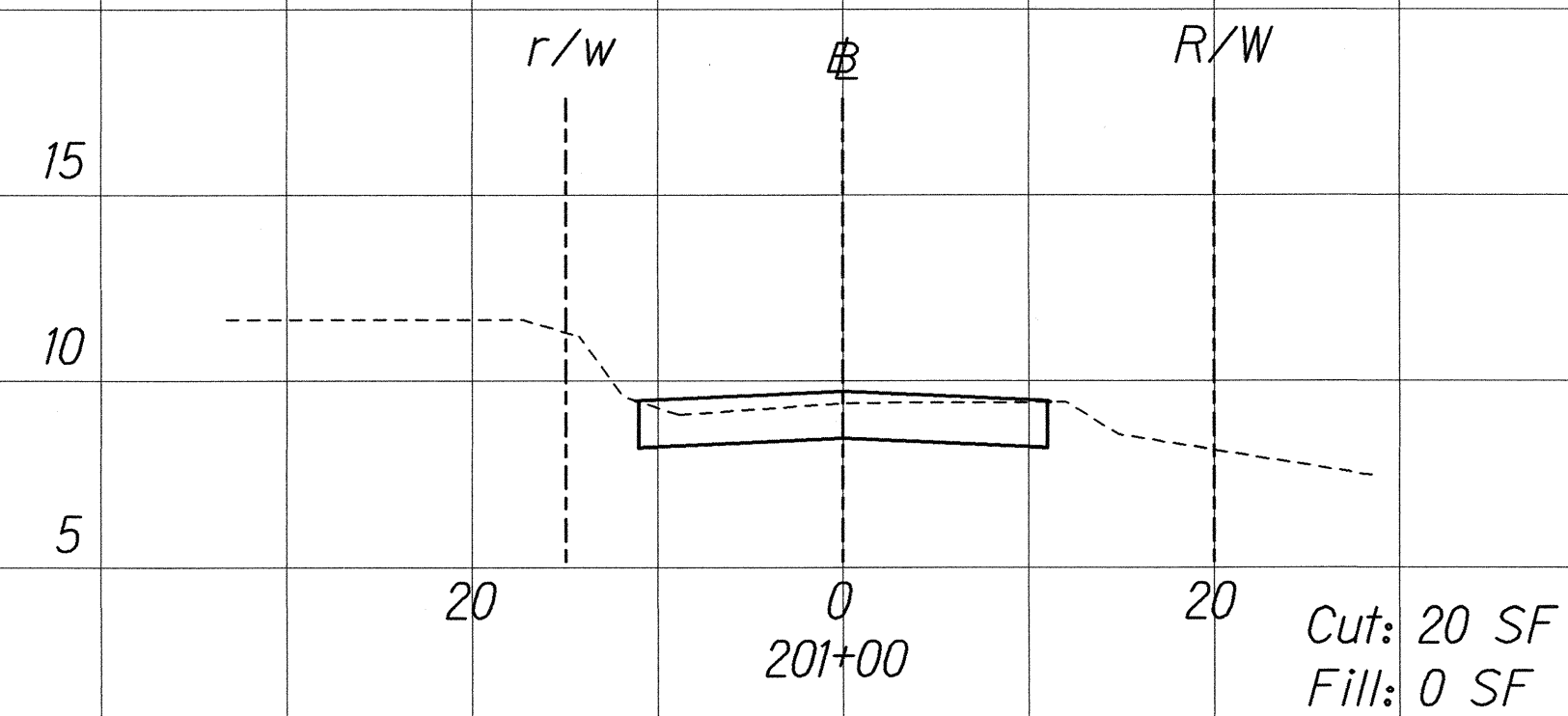
Exc: 35 CY
Emb: 1 CY



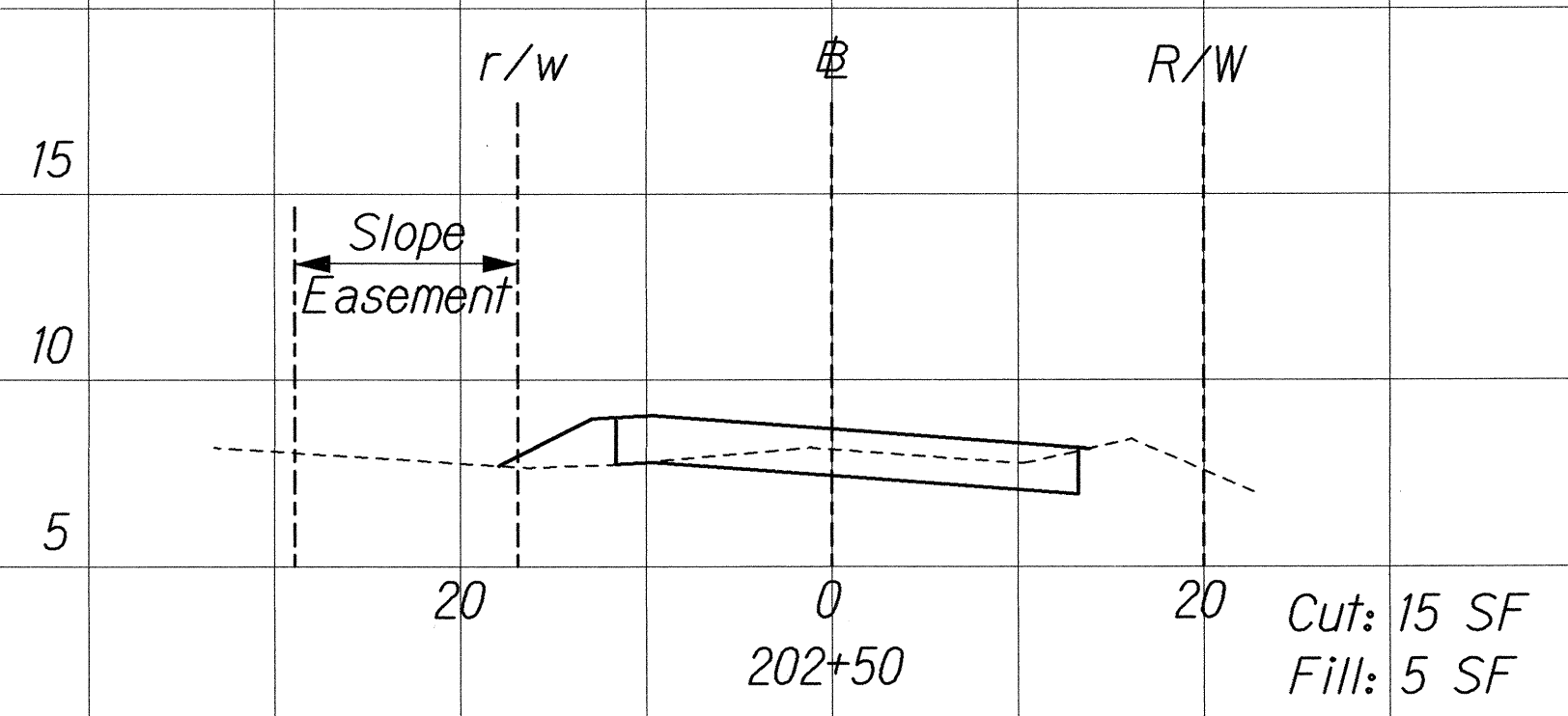
Exc: 10 CY
Emb: 15 CY



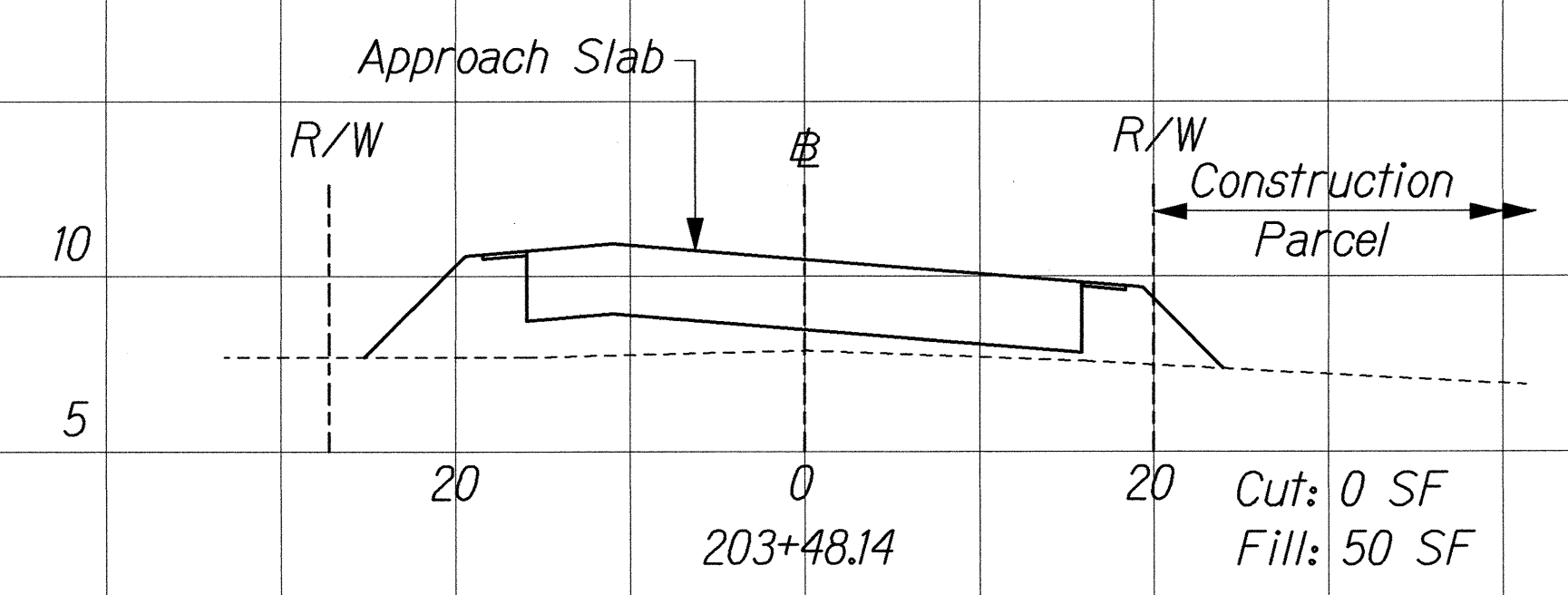
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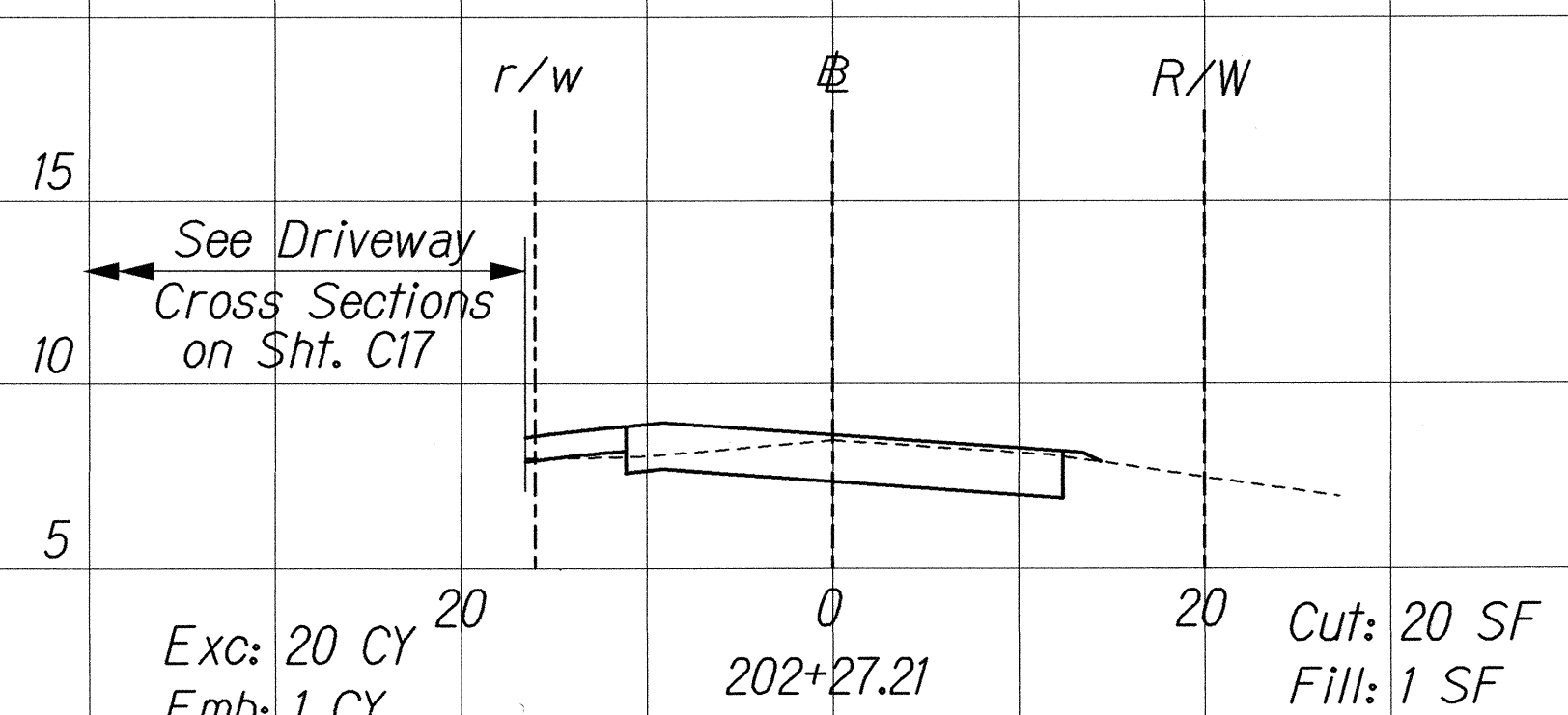
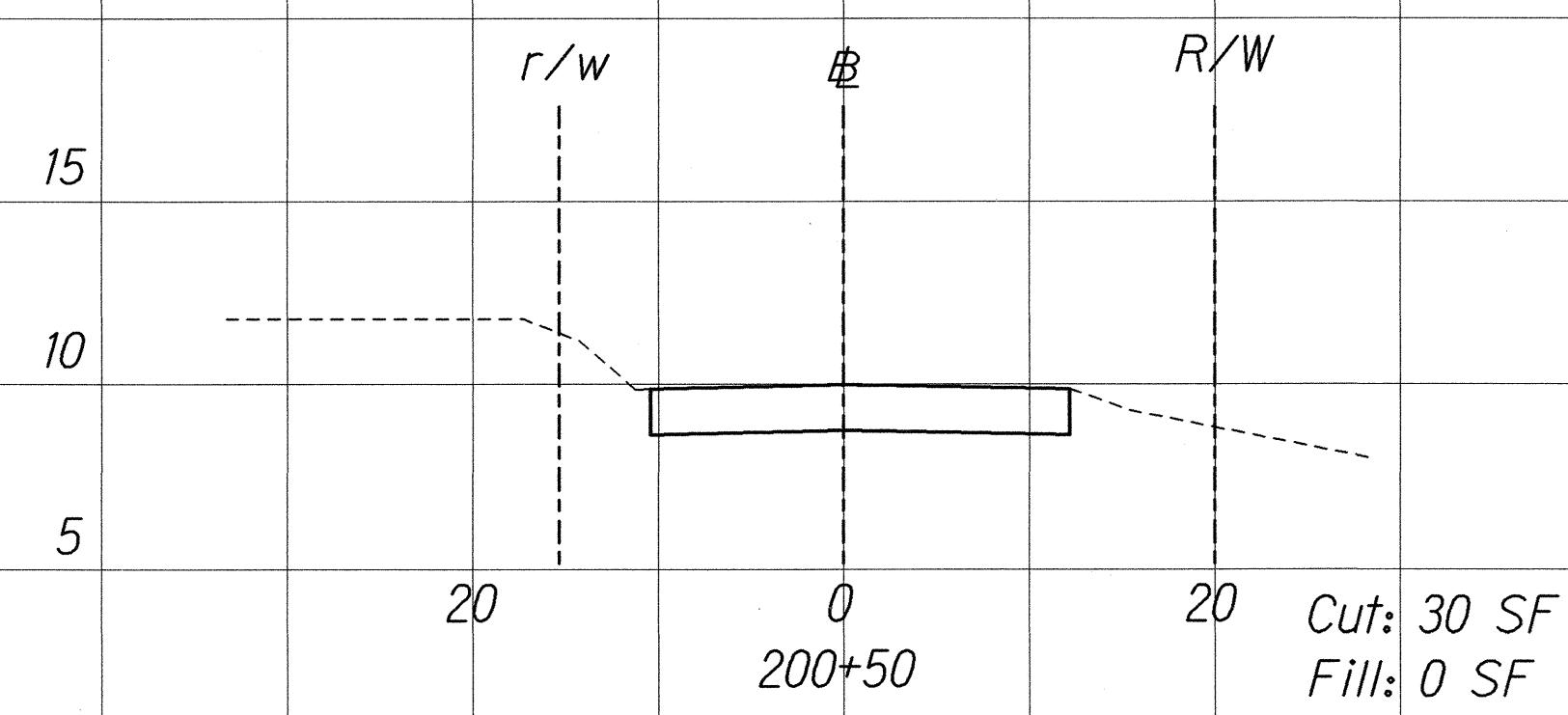
Exc: 45 CY
Emb: 0 CY



Exc: 15 CY
Emb: 3 CY

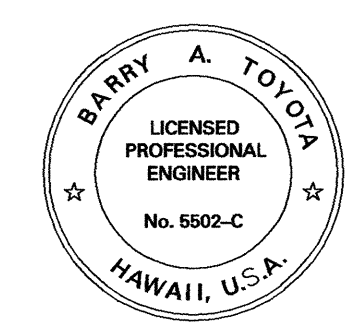


Exc: 0 CY
Emb: 90 CY



Exc: 20 CY
Emb: 1 CY

Scale: Horiz. 1"=10'
Vert. 1"=5'



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION.
[Signature]
April 30, 2004
Expiration Date of the License

DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION CROSS SECTIONS KAMEHAMEHA V HIGHWAY KAMEHAMEHA V HIGHWAY EMERGENCY REPLACEMENT OF KAWAIKAPU BRIDGE FEDERAL AID PROJECT NO. ER-12(4) Scale: As Shown Date: November 25, 2002 SHEET No. C44 OF 46 SHEETS	

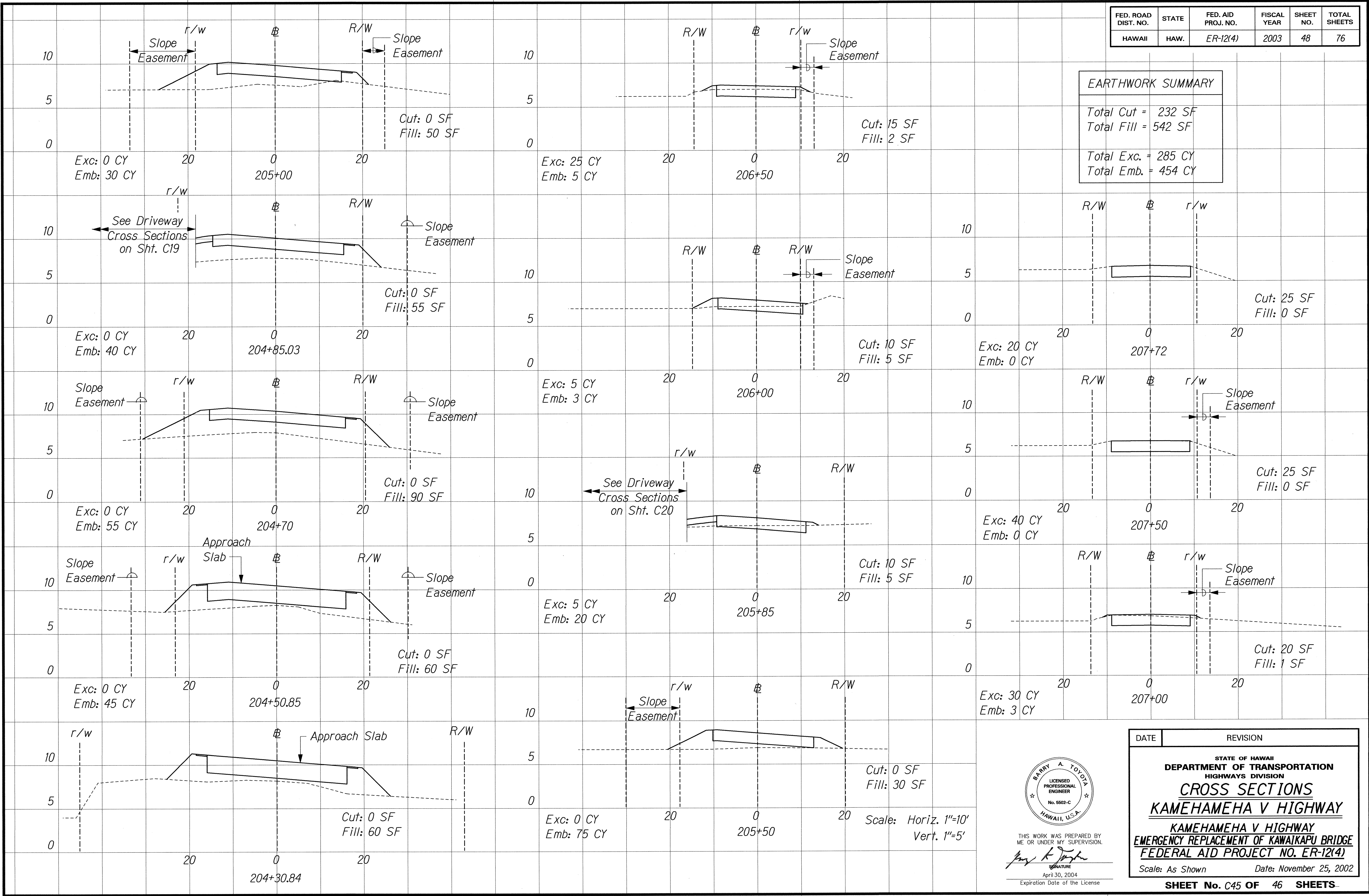
SURVEY PLOTTED BY	DATE
DESIGNED BY	
NOTED BY	
CHECKED BY	
QUANTITIES BY	
NO.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-12(4)	2003	48	76

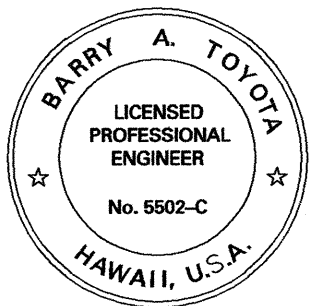
EARTHWORK SUMMARY

Total Cut = 232 SF
Total Fill = 542 SF

Total Exc. = 285 CY
Total Emb. = 454 CY



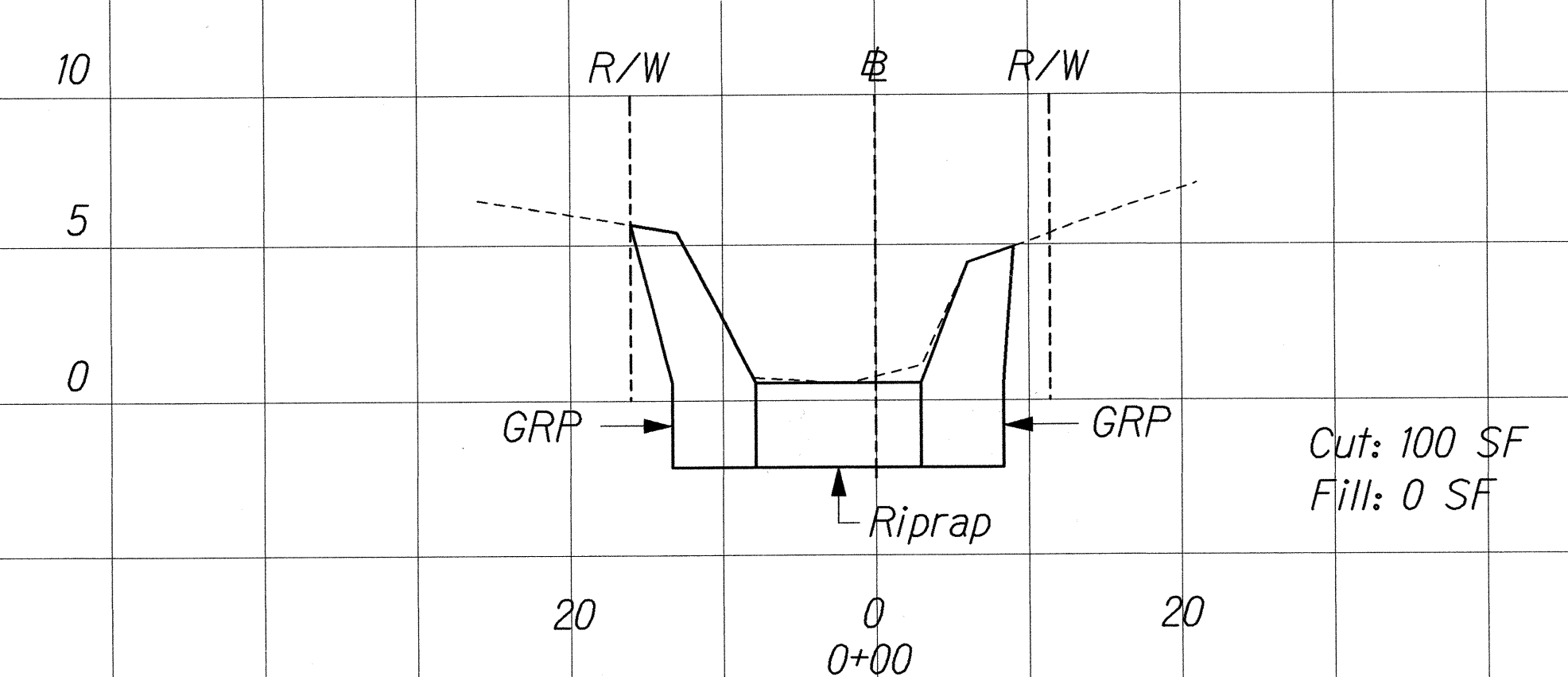
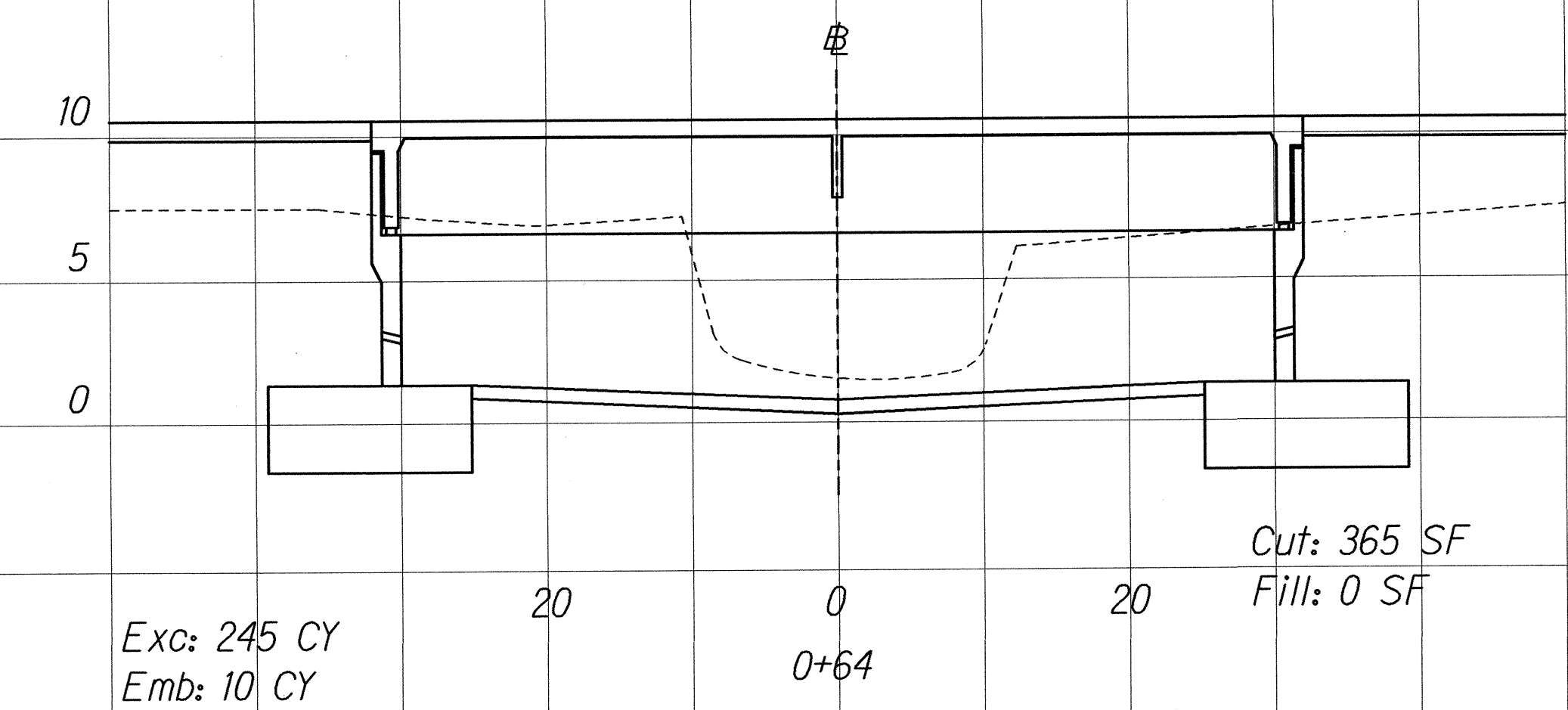
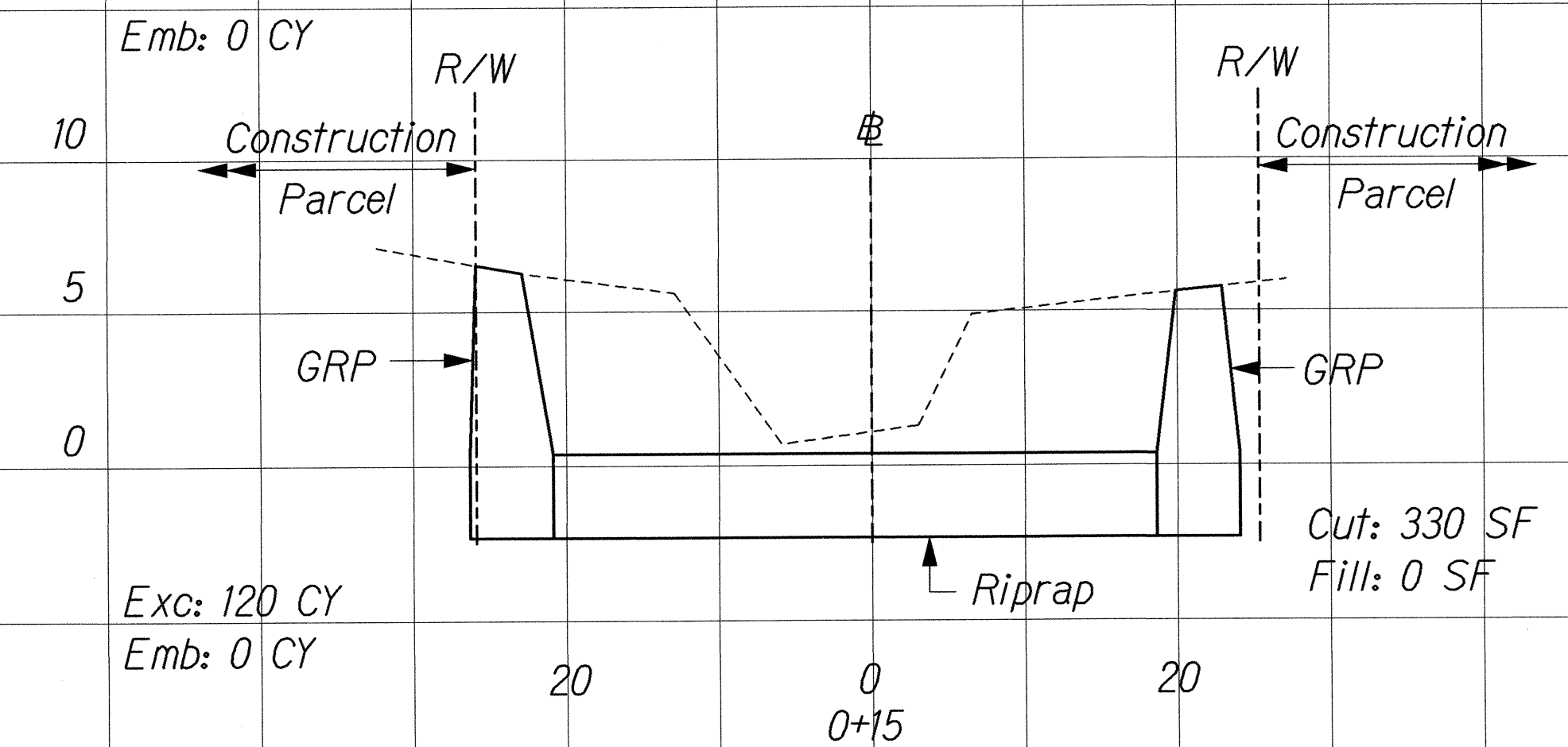
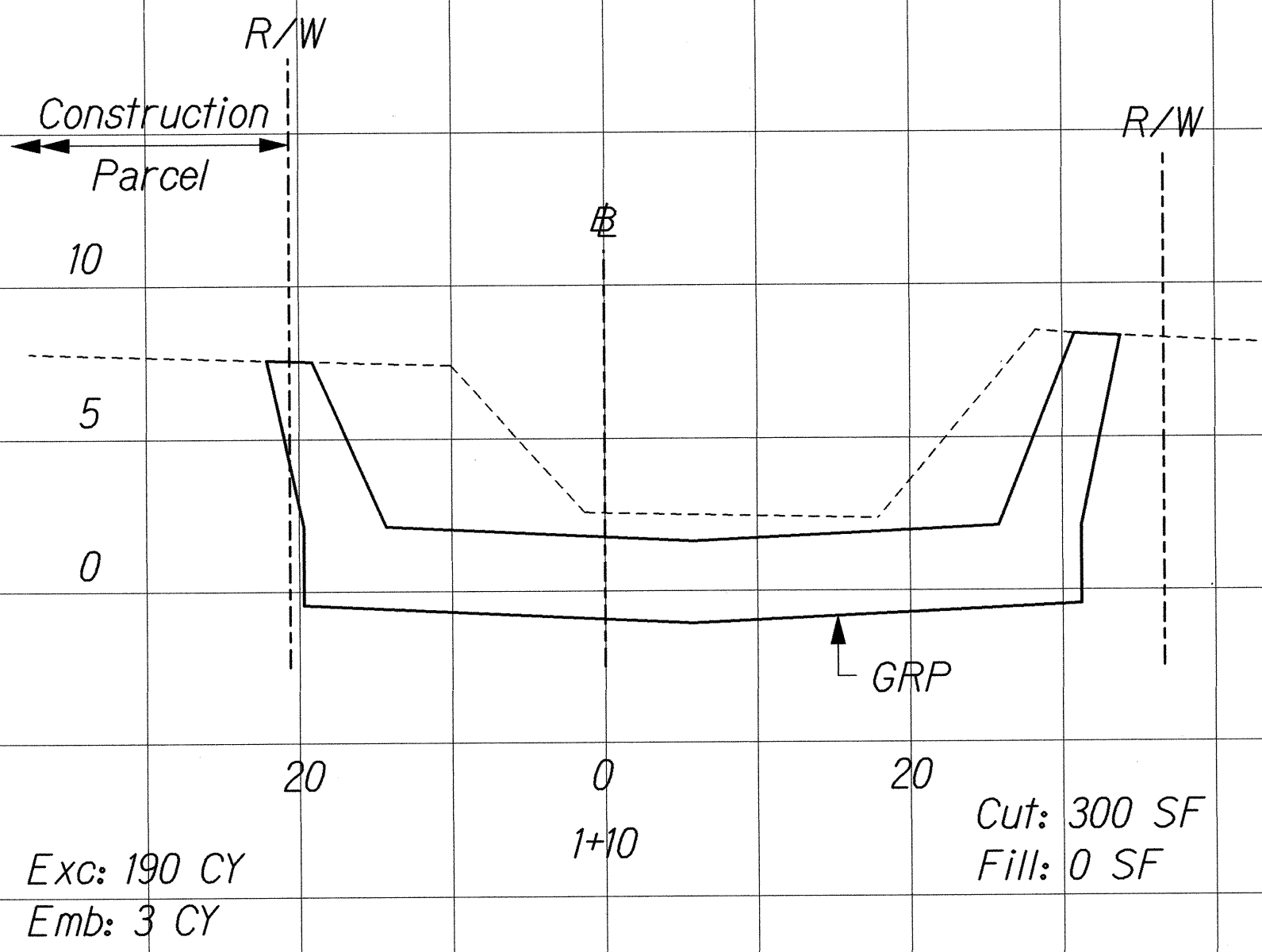
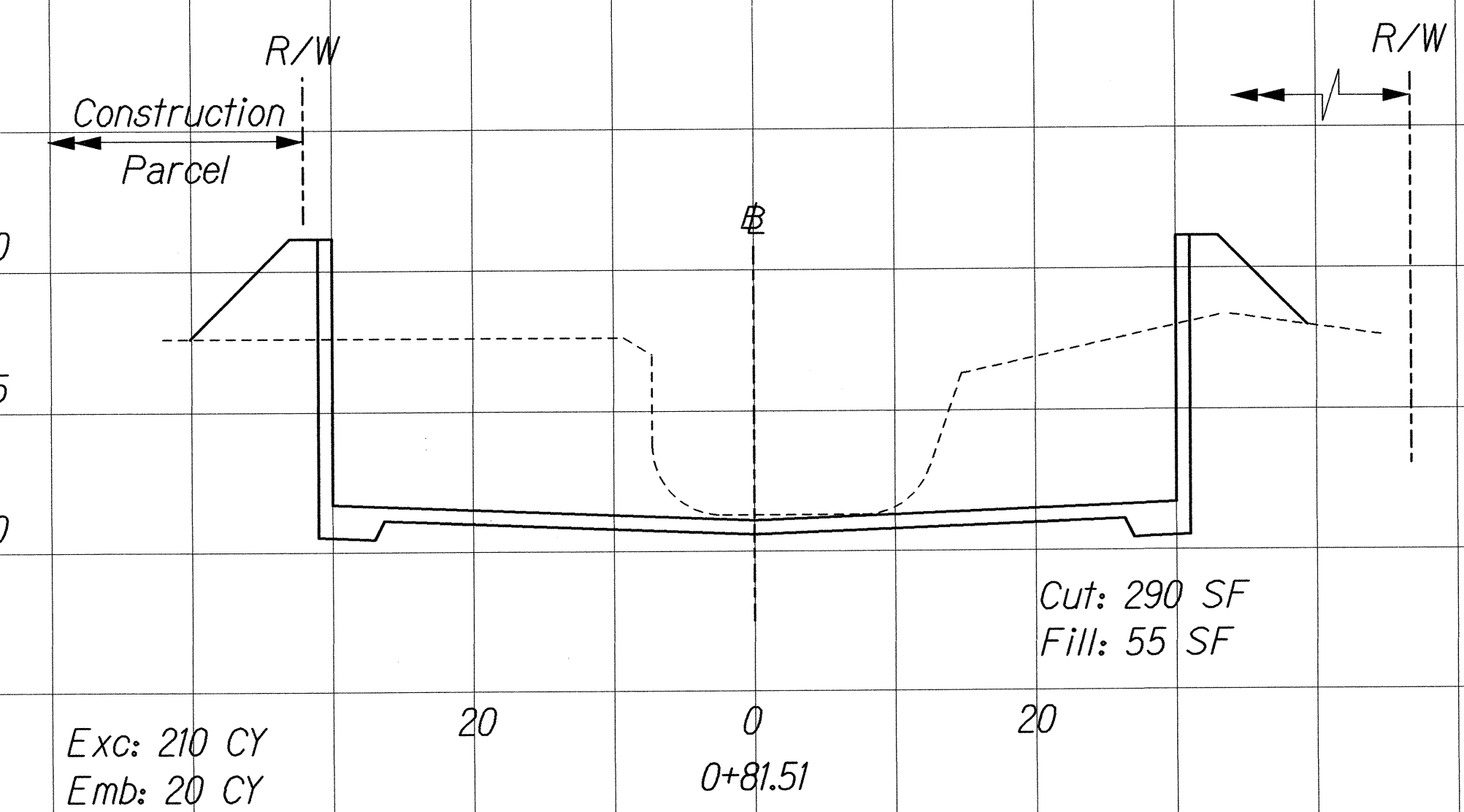
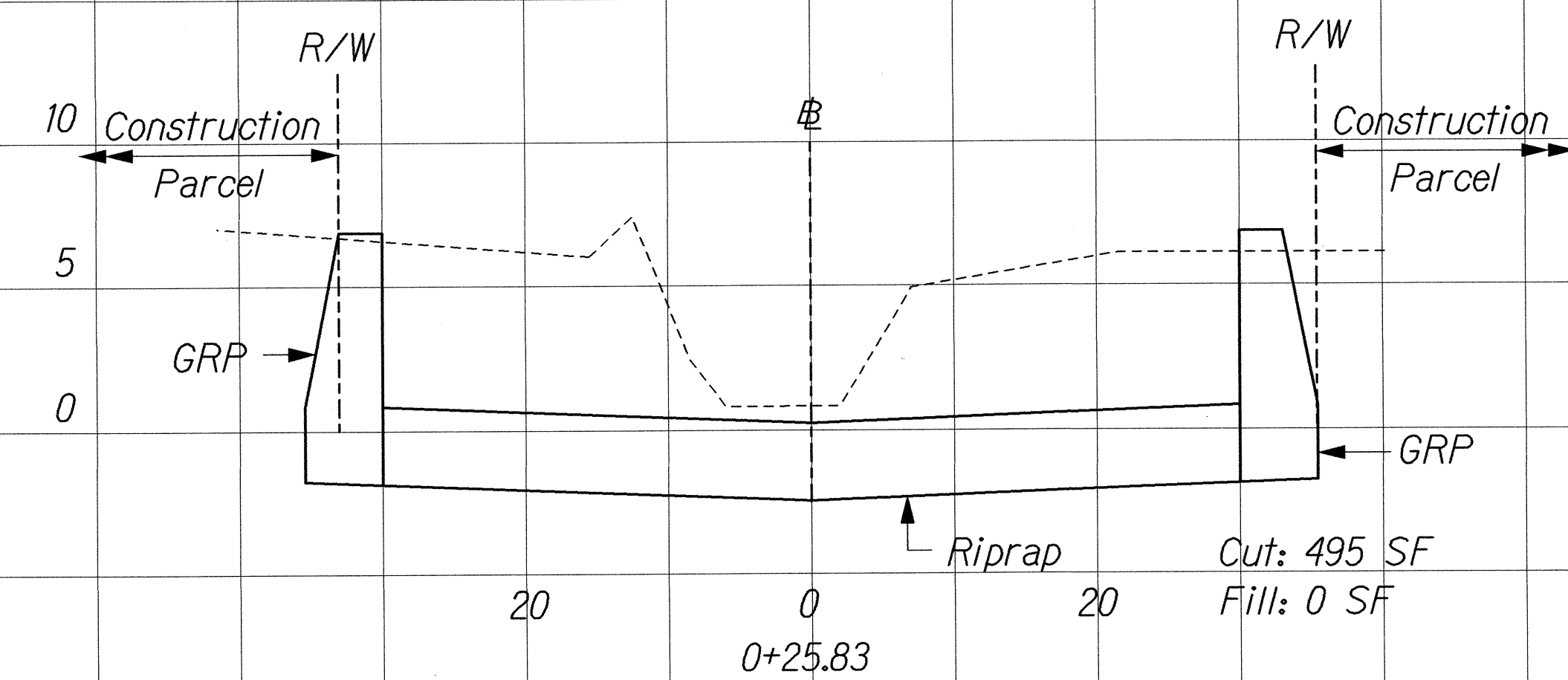
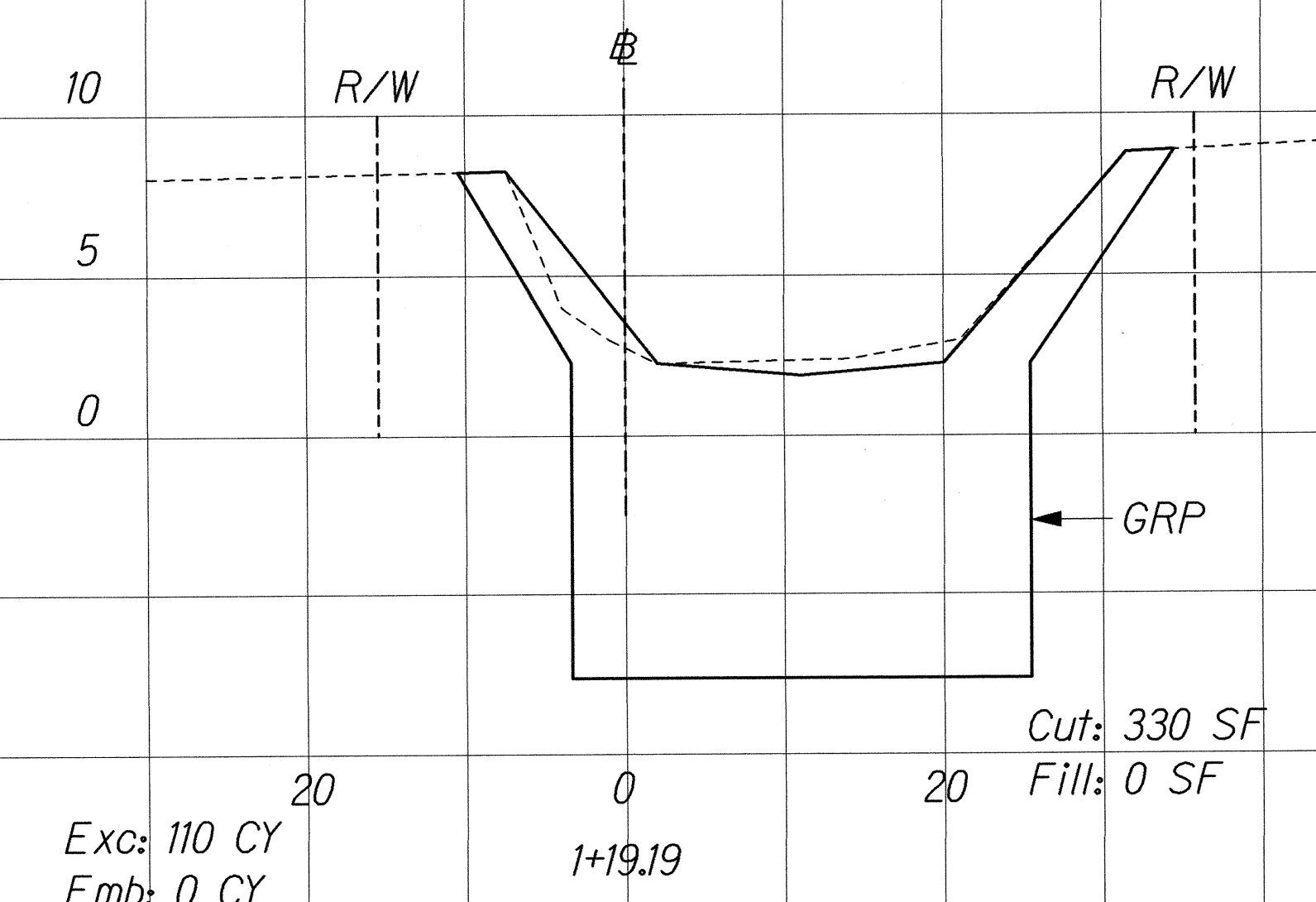
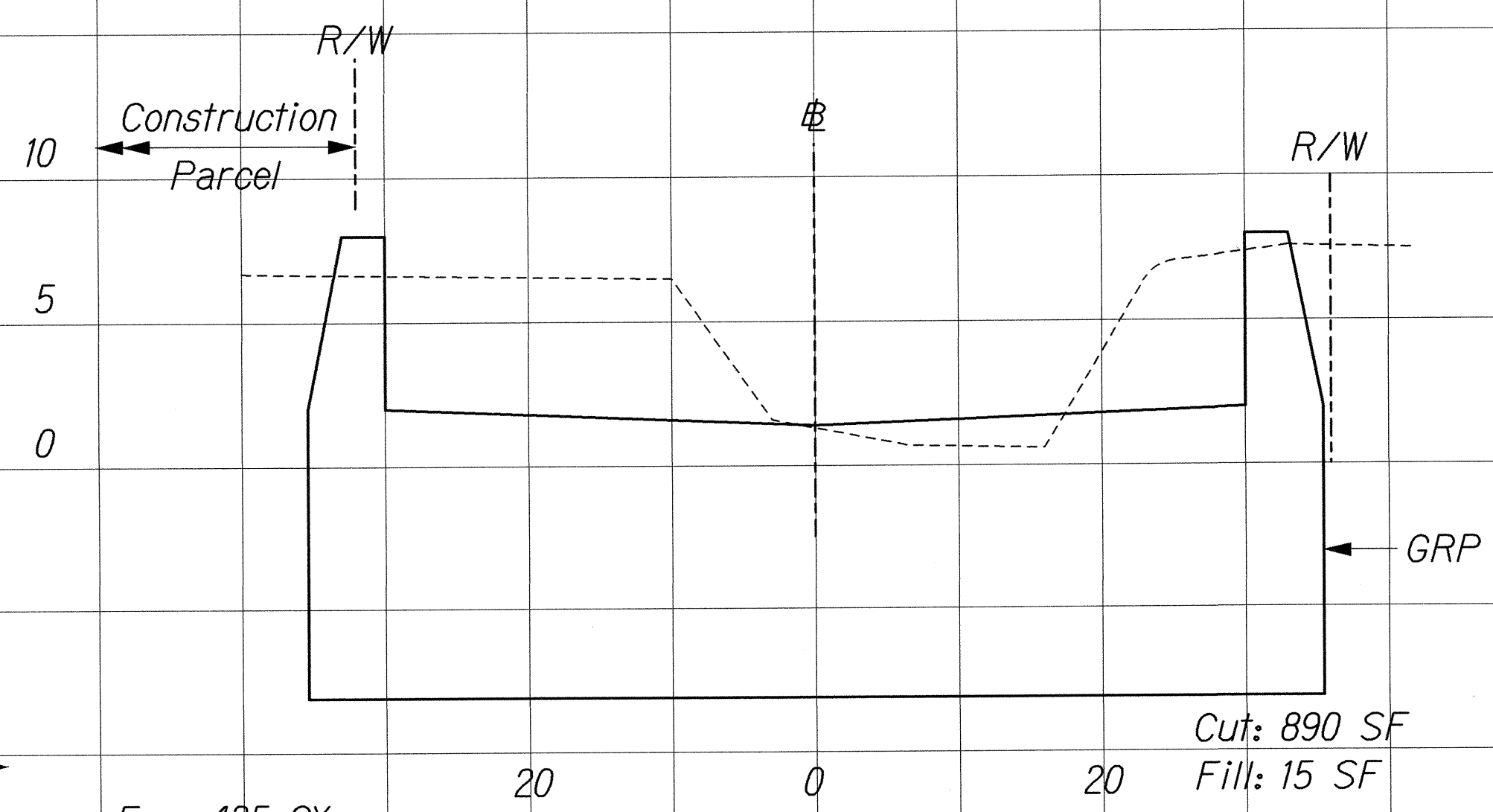
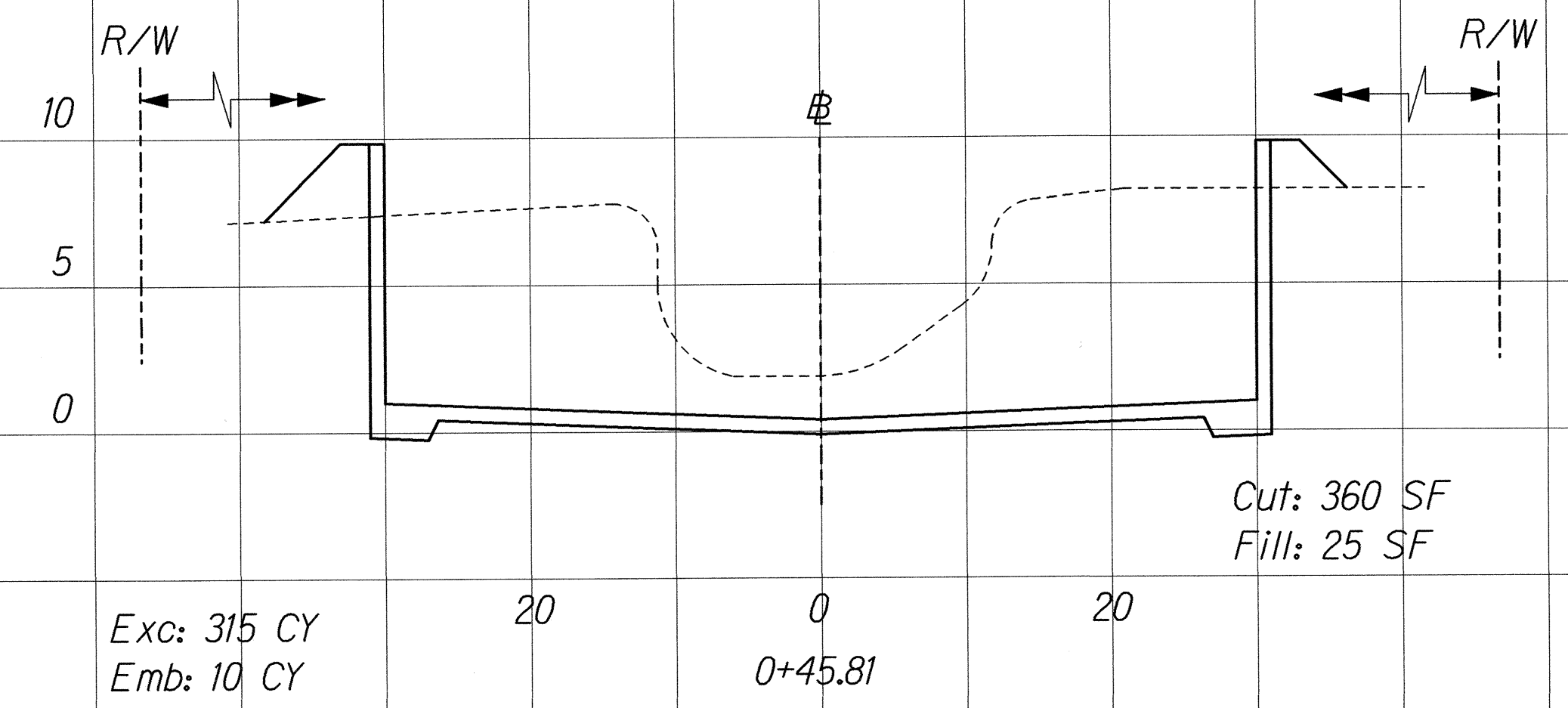
DATE	_____
DESIGNED BY	_____
TRACED BY	_____
NOTE BOOK	_____
QUANTITIES BY	_____
CHECKED BY	_____



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 Signature: *Barry A. Toyota*
 April 30, 2004
 Expiration Date of the License

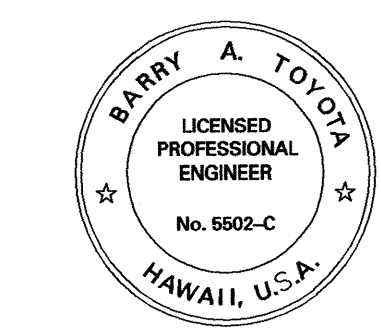
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION CROSS SECTIONS KAMEHAMEHA V HIGHWAY KAMEHAMEHA V HIGHWAY EMERGENCY REPLACEMENT OF KAWAIKAPU BRIDGE FEDERAL AID PROJECT NO. ER-12(4) Scale: As Shown Date: November 25, 2002	
SHEET No. C45 OF 46 SHEETS	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-12(4)	2003	49	76



NOTE:
For Structural Excavation
and Backfill Pay Limits for Channel,
see Structural Sheet S16.

EARTHWORK SUMMARY	
Total Cut =	3460 SF
Total Fill =	95 SF
Total Exc. =	1790 CY
Total Emb. =	68 CY



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Barry A. Toyota
April 30, 2004
Expiration Date of the License

DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION CROSS SECTIONS KAWAIKAPU STREAM KAMEHAMEHA V HIGHWAY EMERGENCY REPLACEMENT OF KAWAIKAPU BRIDGE FEDERAL AID PROJECT NO. ER-12(4) Scale: As Shown Date: November 25, 2002 SHEET No. C46 OF 46 SHEETS	

Scale: Horiz. 1"=10'
Vert. 1"=5'

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