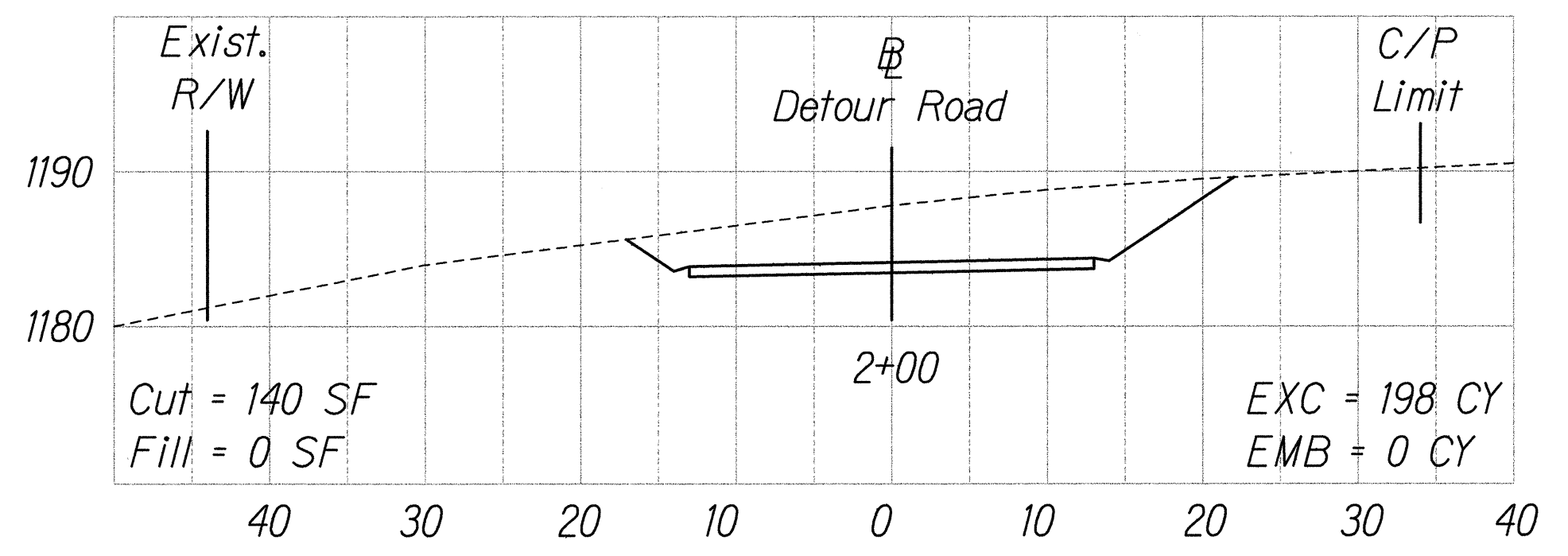
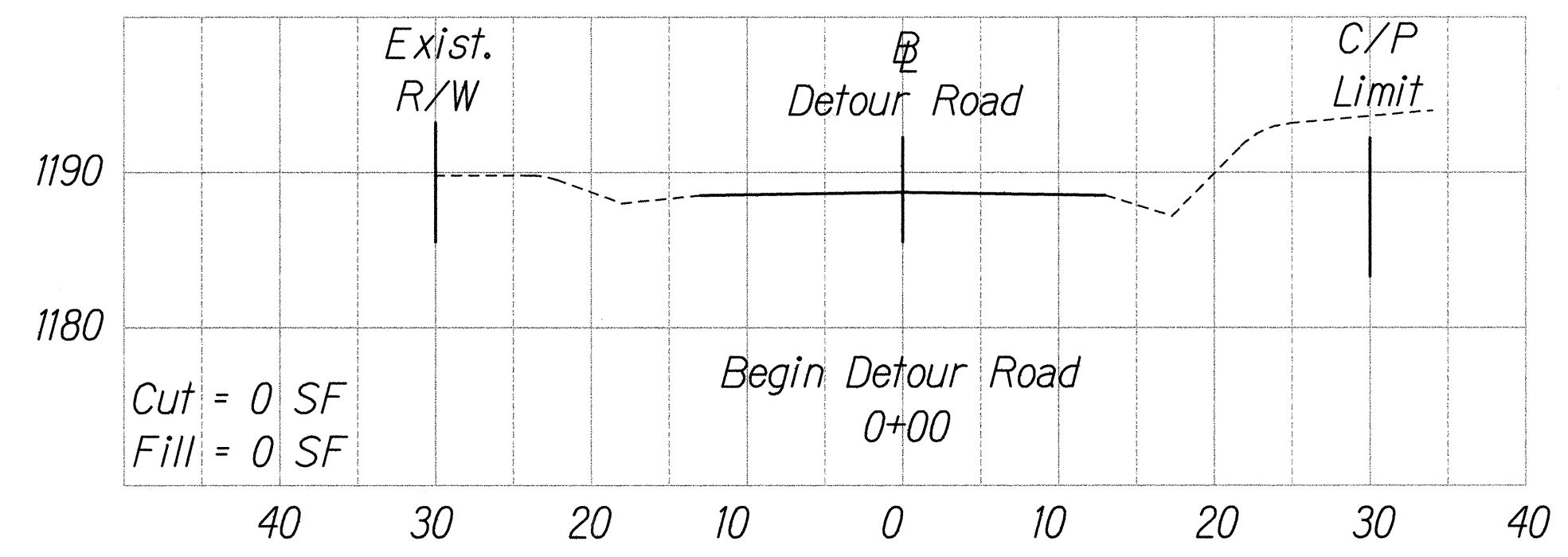
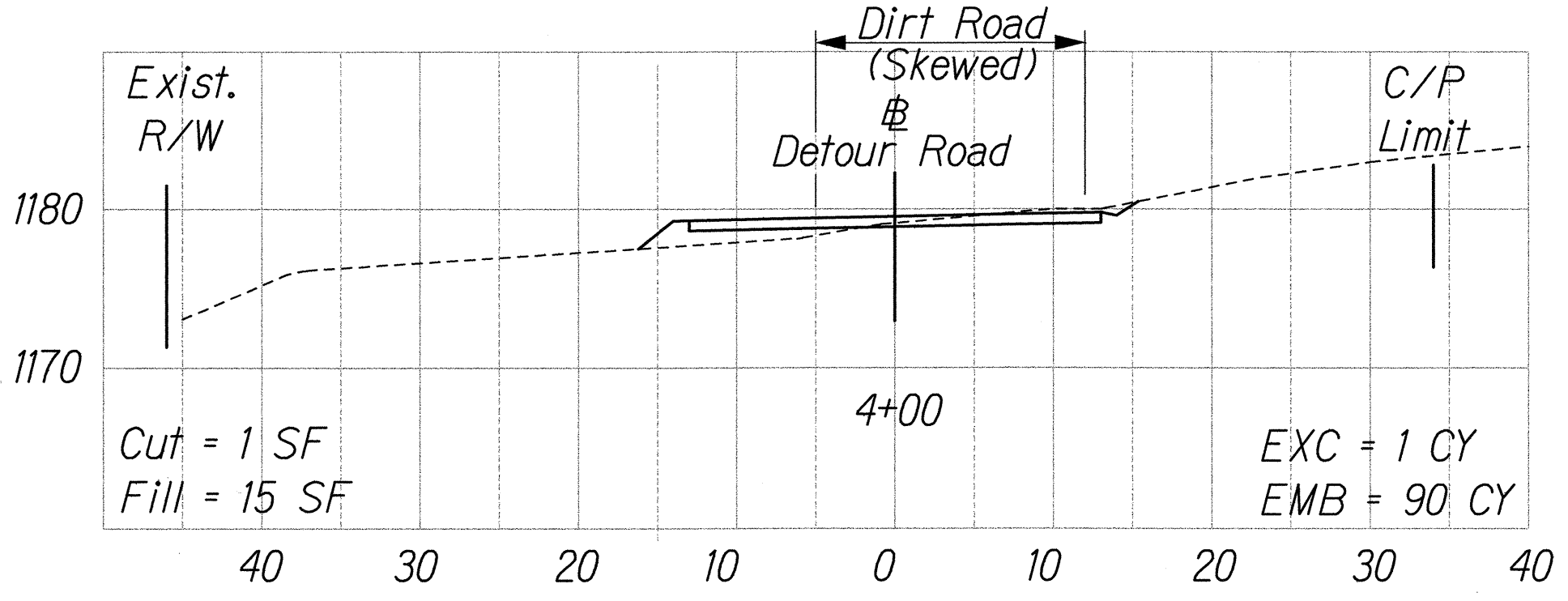
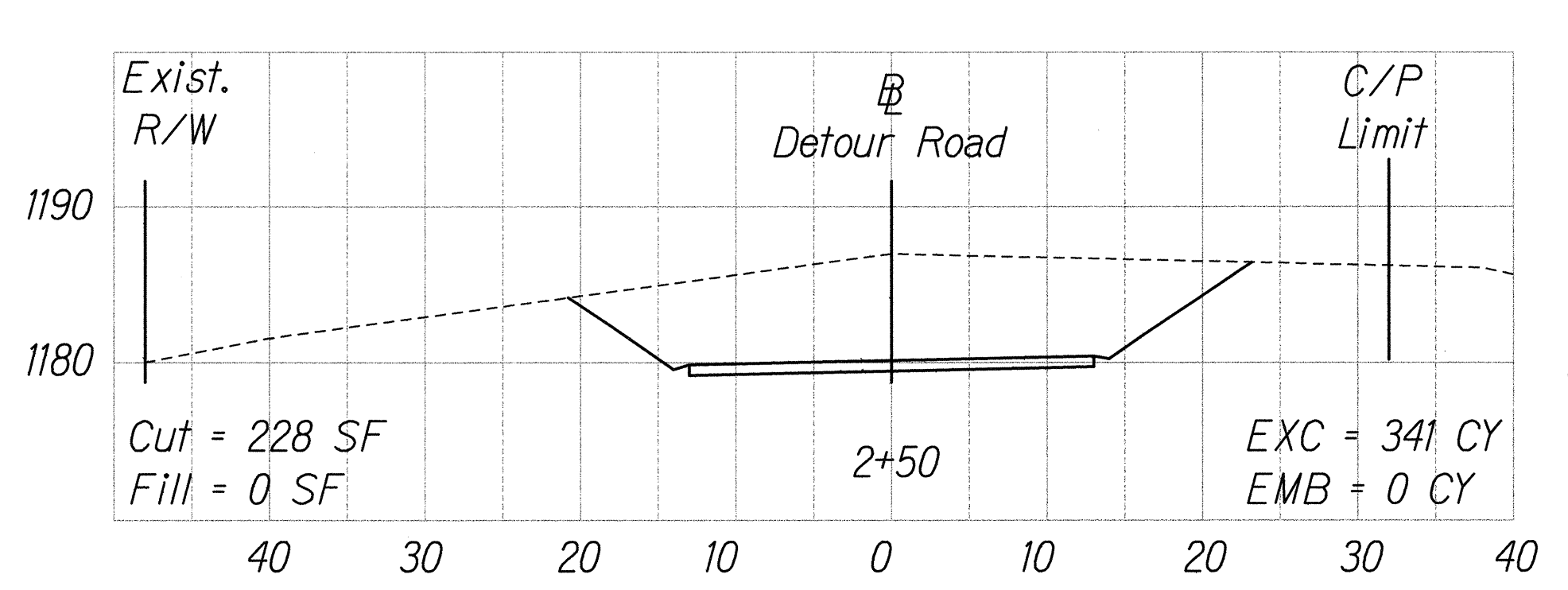
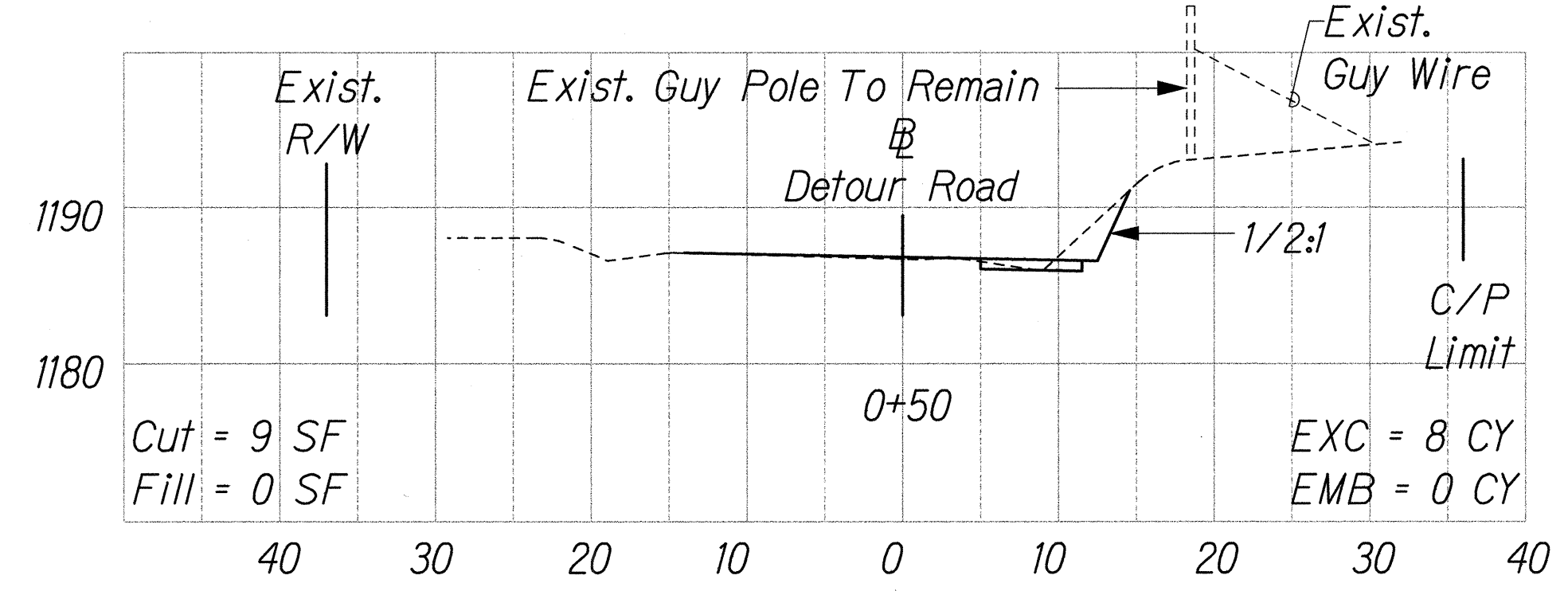
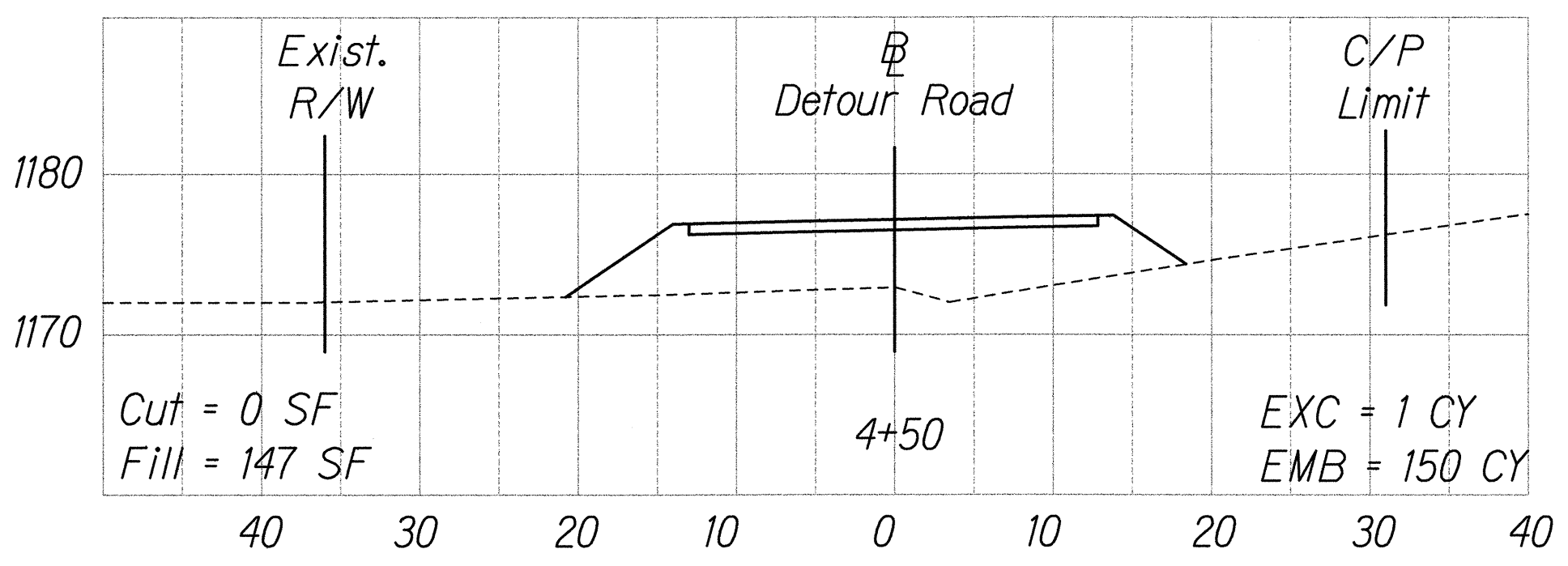
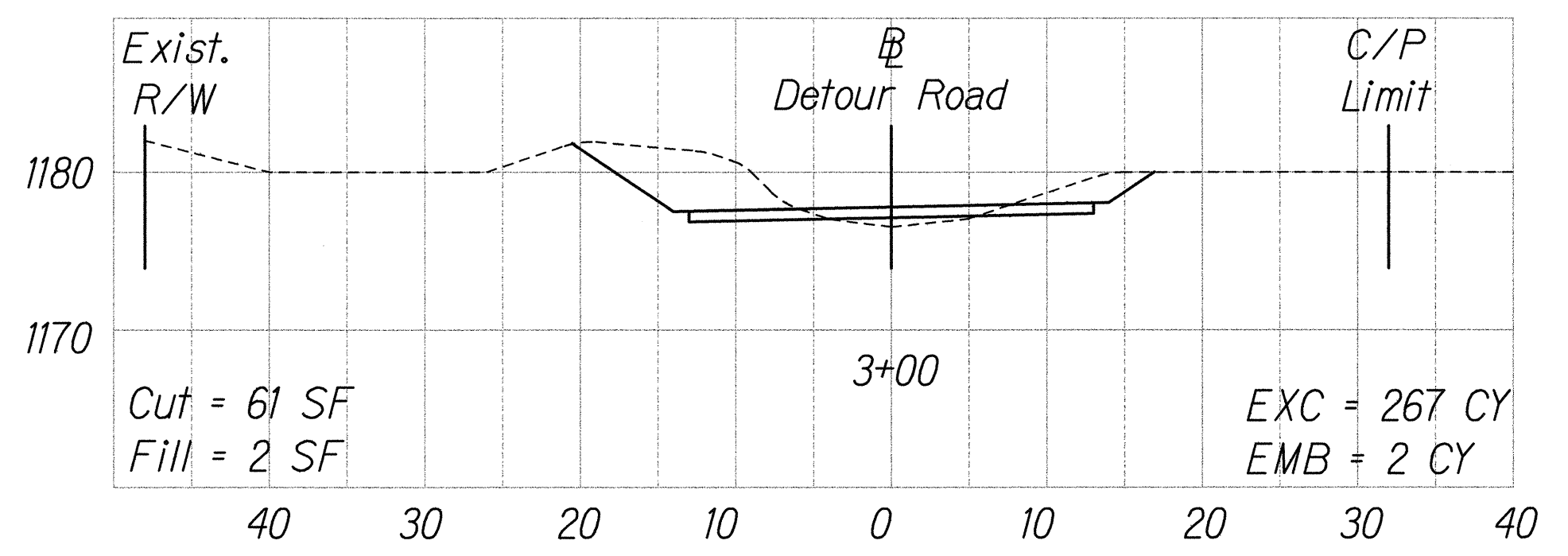
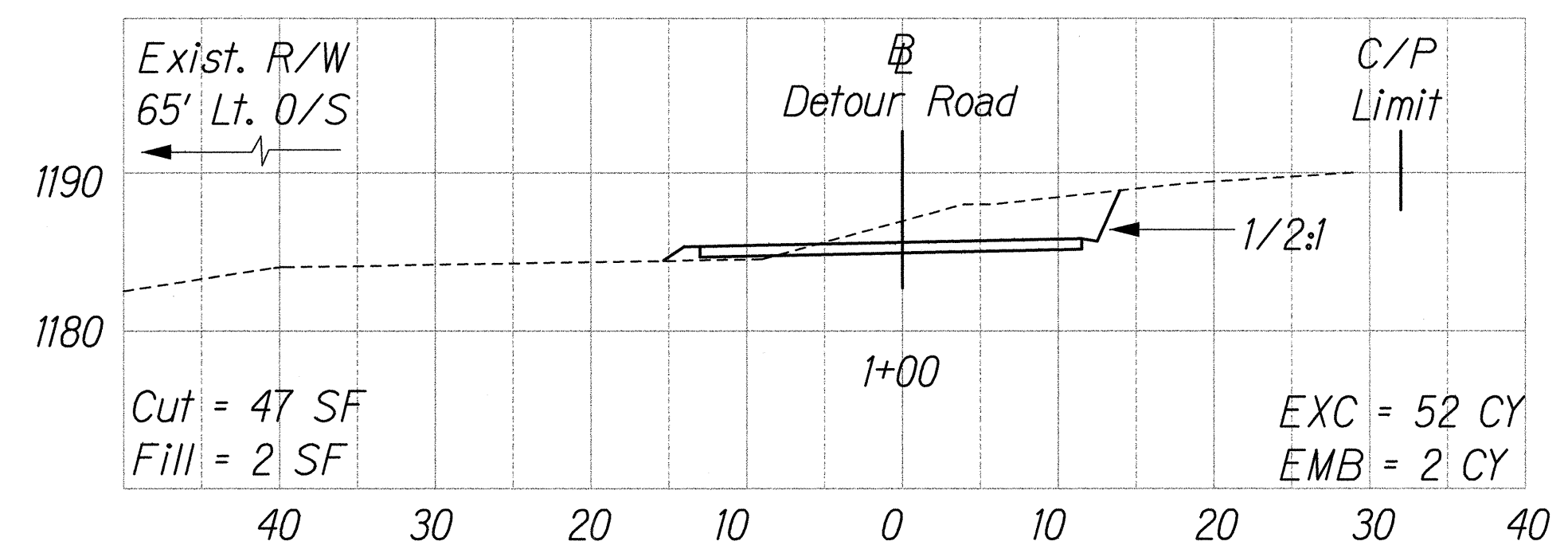
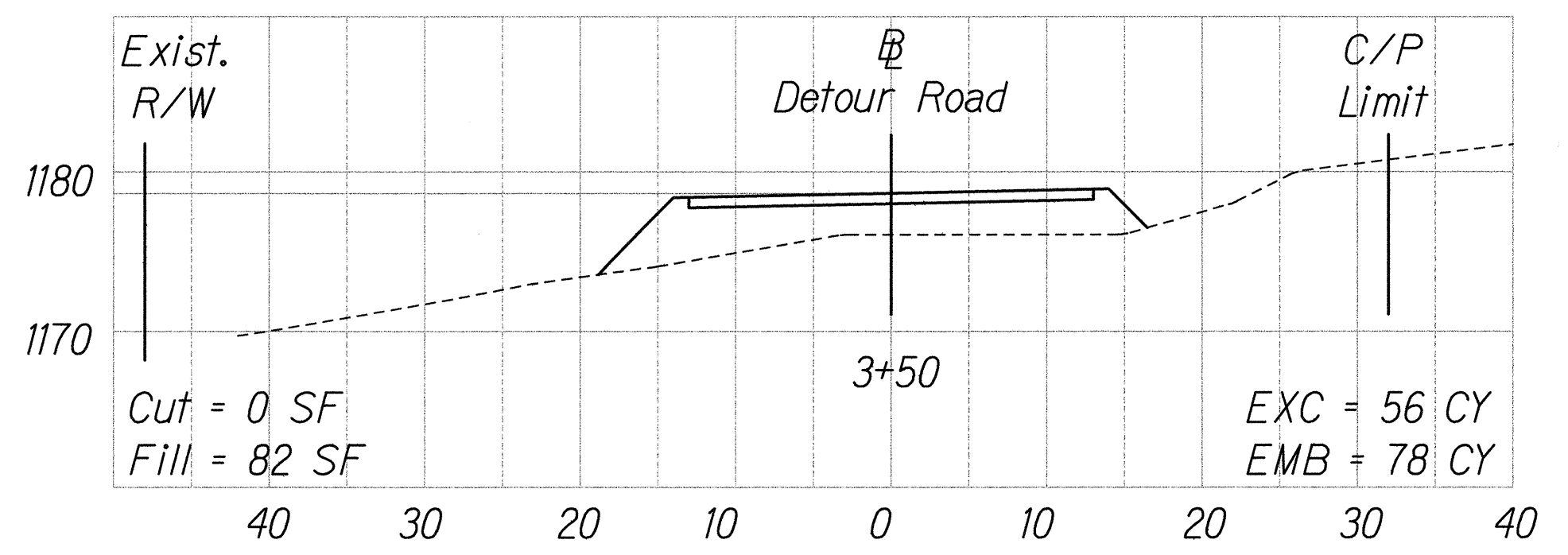
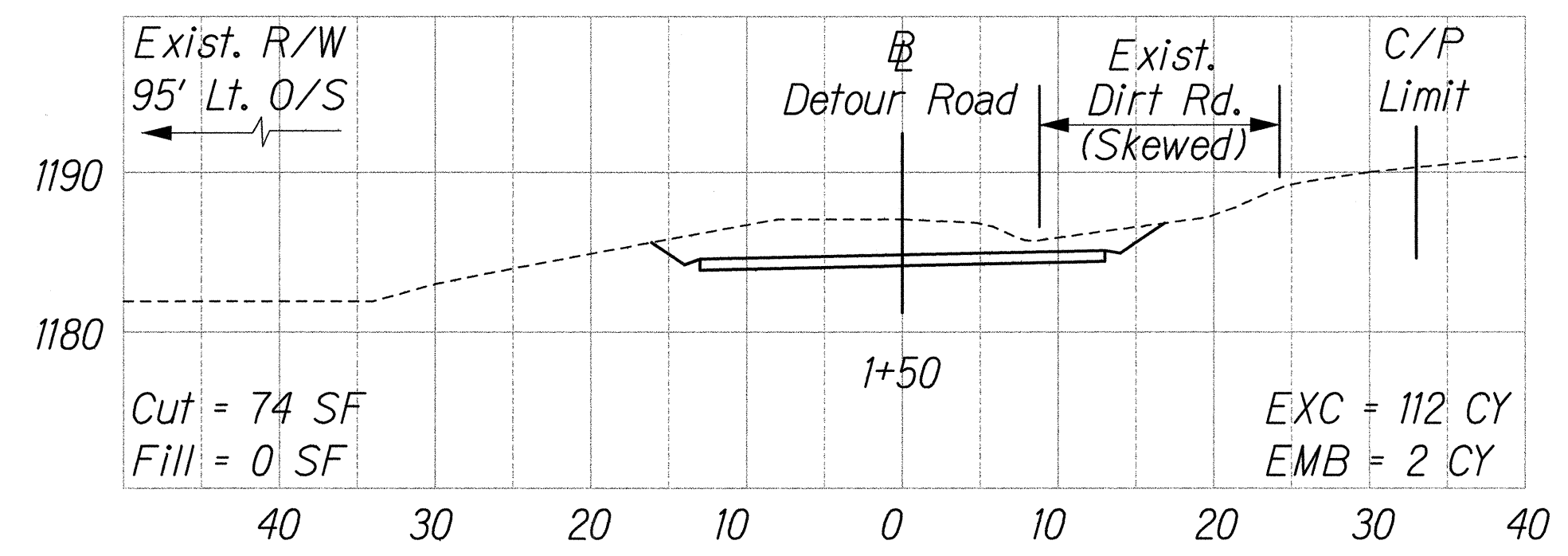


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-12(2)	2001	106	145



CROSS SECTION
Scale: Horizontal 1" = 10'-0"
Vertical 1" = 10'-0"

PERRY M. SMALL
LICENSED PROFESSIONAL ENGINEER
No. 8627-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CROSS SECTIONS - DETOUR ROAD

MAMALAHOA HIGHWAY, EMERGENCY
REPLACEMENT OF KAALAALA STREAM BRIDGE
FEDERAL-AID PROJECT NO. ER-12(2), PAHALA, HAWAII

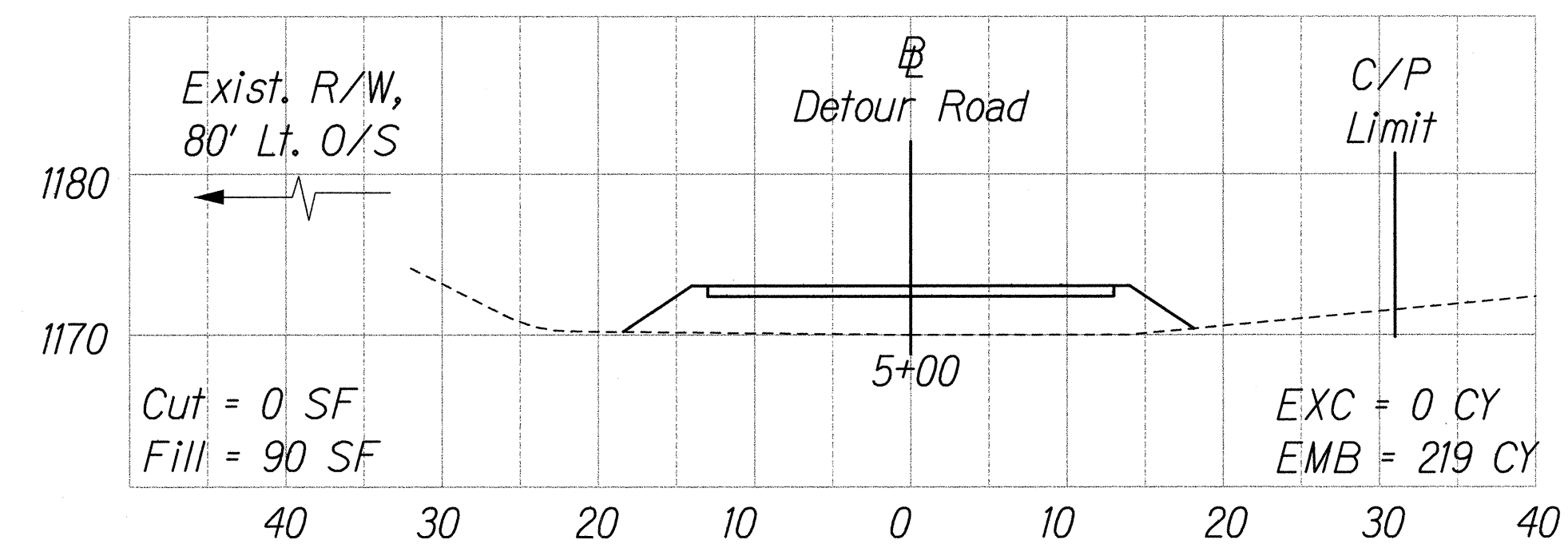
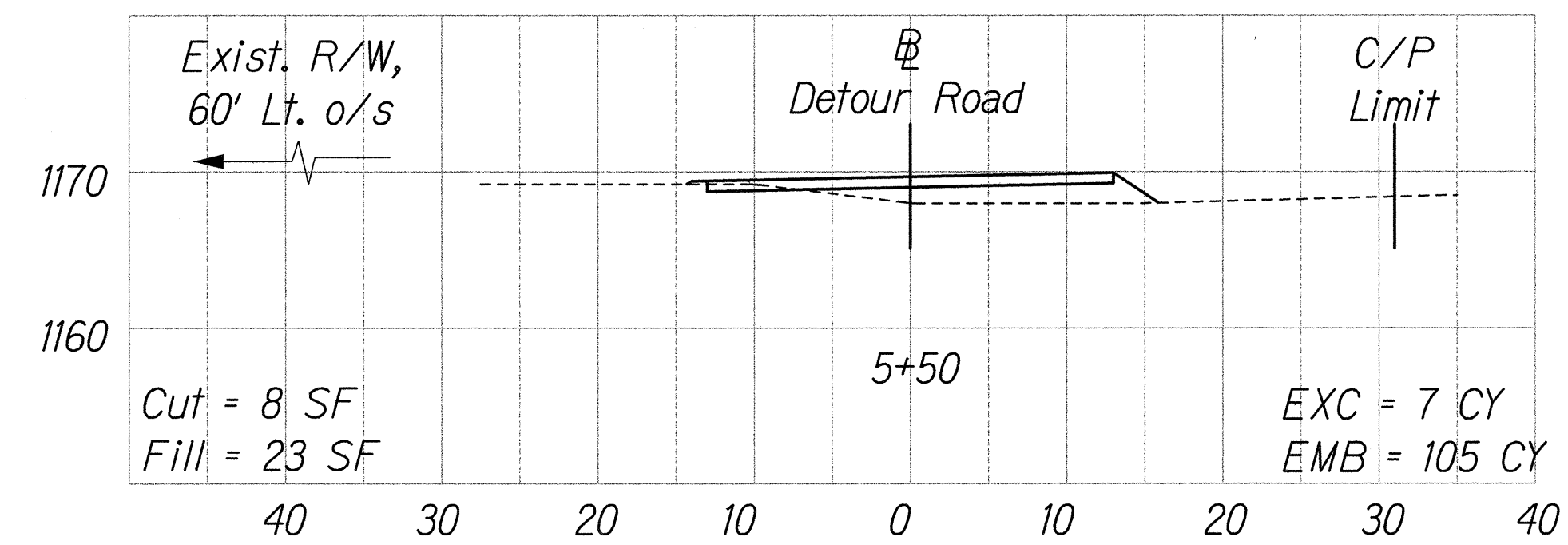
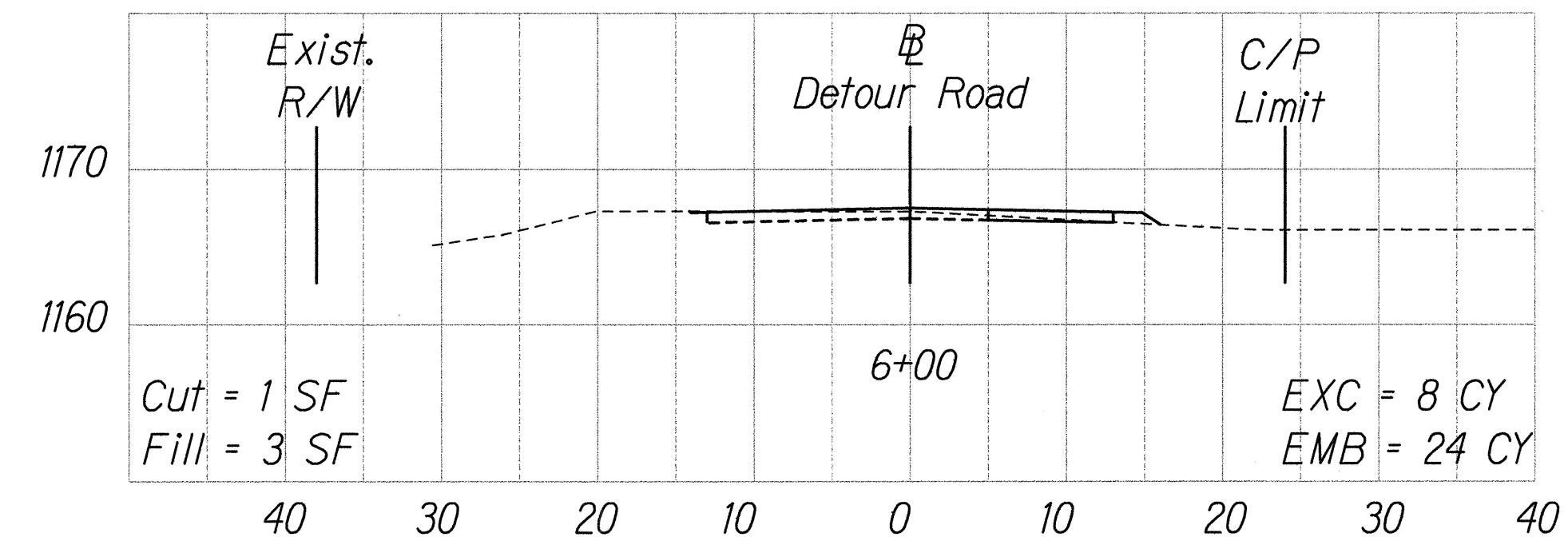
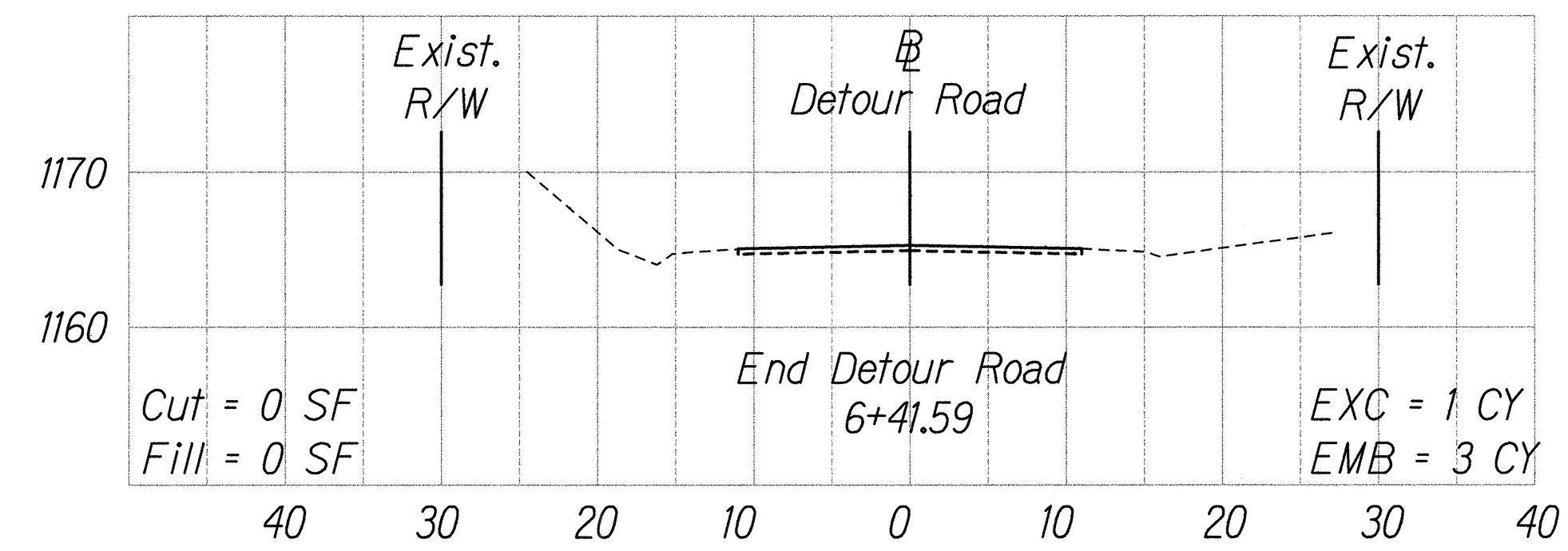
Scale: As Shown Date: February 20, 2001

SHEET No. BC12 OF 28 SHEETS

ORIGINAL PLAN
DATE
SURVEY PLOTTED BY
DESIGNED BY
NOTED BY
CHECKED BY

U/KAALAALA/XSEC/XS1A.dgn May 2001

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-12(2)	2001	107	145

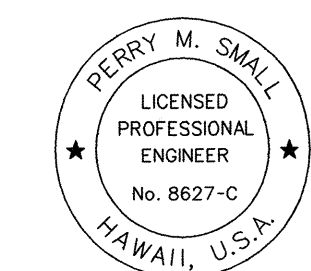


SUMMARY OF QUANTITIES:

EXC = 1,052 CY
EMB = 675 CY

CROSS SECTION
Scale: Horizontal 1" = 10'-0"
Vertical 1" = 10'-0"

ORIGINAL PLAN	DATE
NOTED BY	DESIGNED BY
QUANTITIES BY	CHECKED BY
BY KAALALA/XSC/XSB/dgn	May 2001



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.
Perry M. Small

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CROSS SECTIONS - DETOUR ROAD

MAMALAHOA HIGHWAY, EMERGENCY
REPLACEMENT OF KAALALA STREAM BRIDGE
FEDERAL-AID PROJECT NO. ER-12(2), PAHALA, HAWAII
Scale: As Shown Date: February 20, 2001

SHEET No. BC13 OF 28 SHEETS