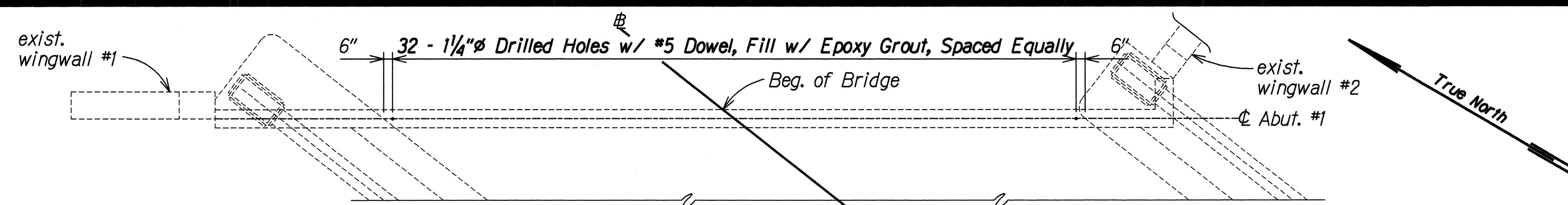
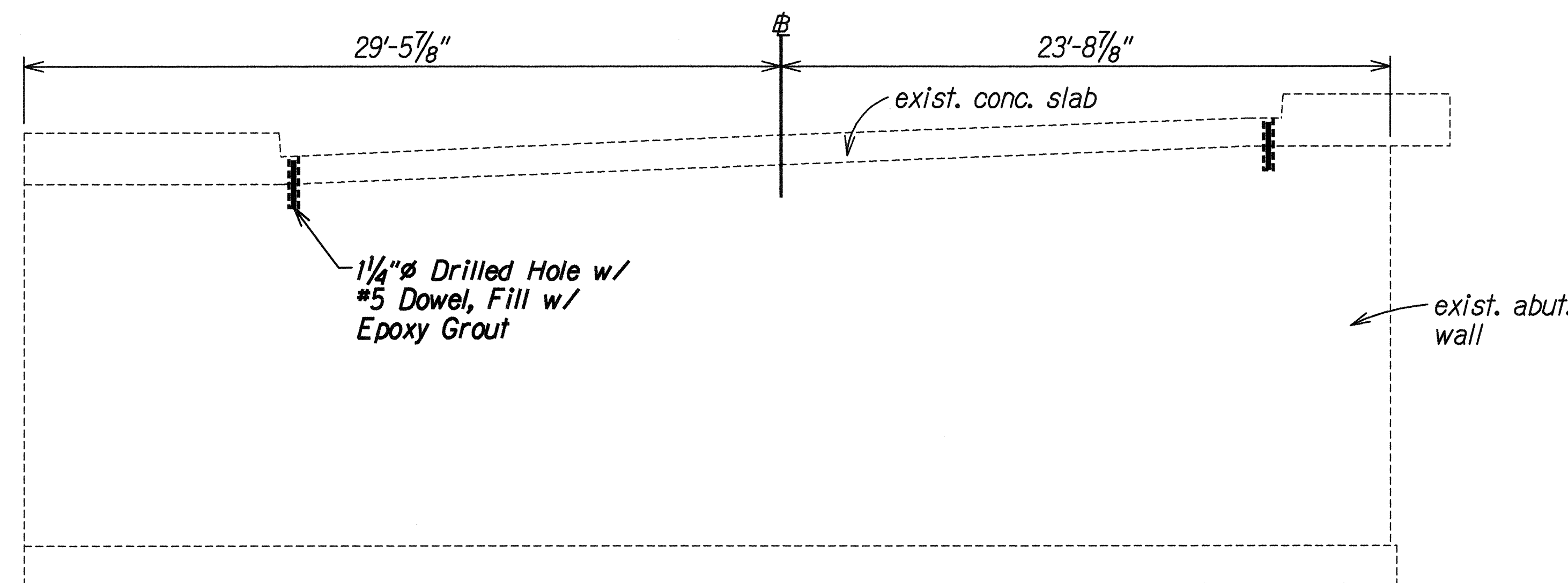


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-0100(58)	1998	5	16



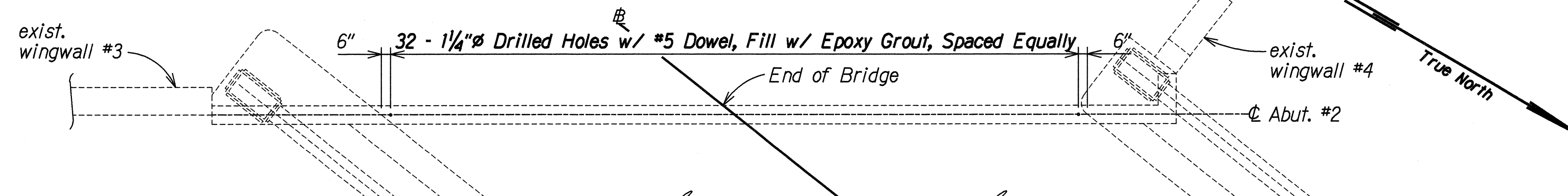
PLAN--ABUTMENT NO. 1

Scale: 1/4" = 1'-0"



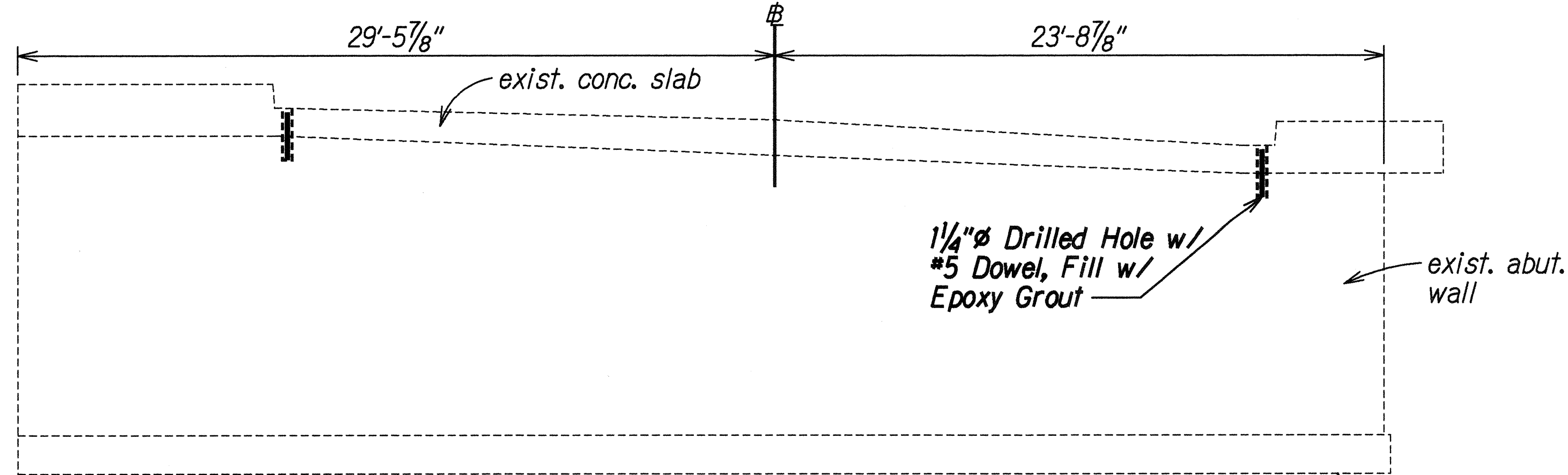
ELEVATION--ABUTMENT NO. 1

Scale: 1/4" = 1'-0"



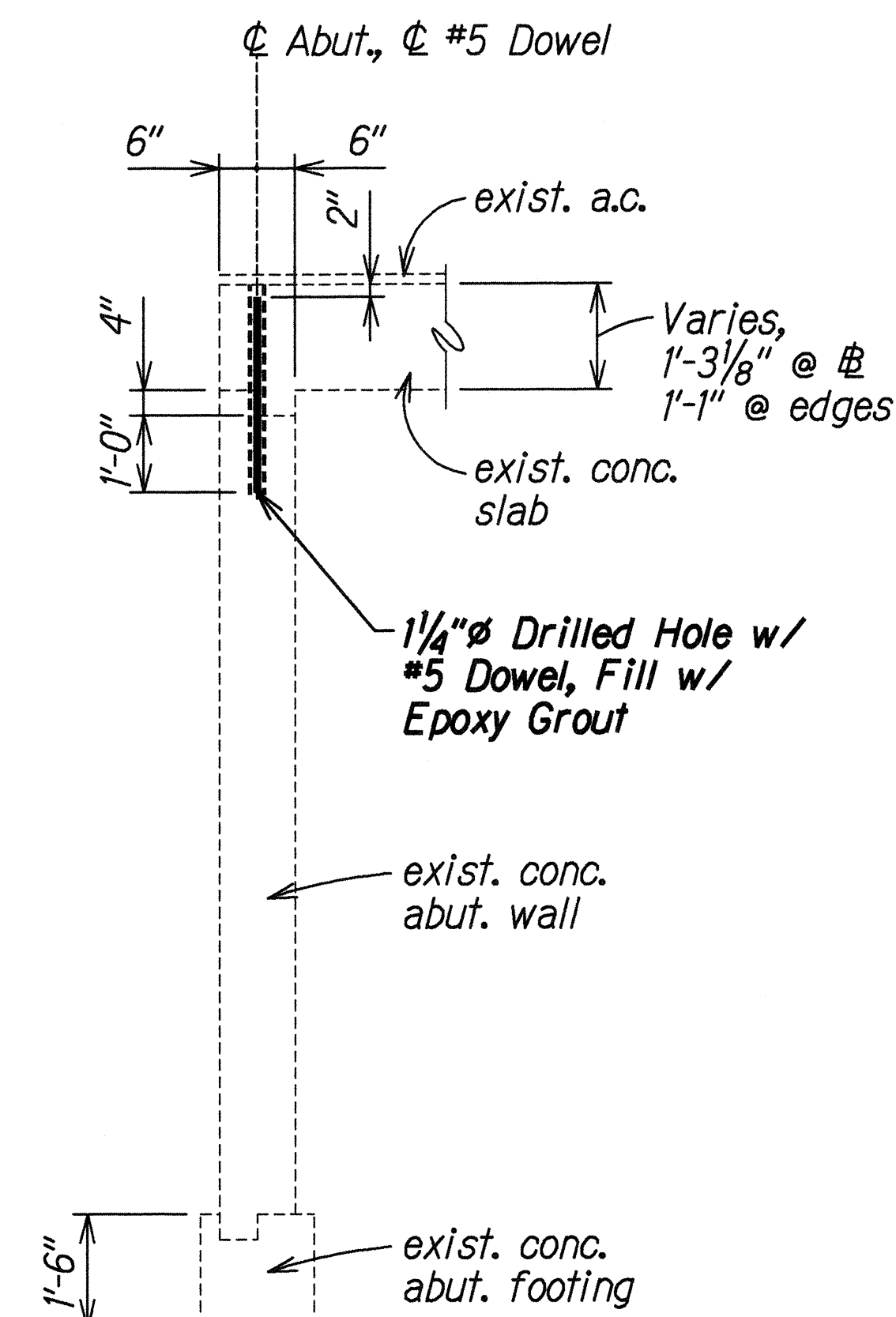
PLAN--ABUTMENT NO. 2

Scale: 1/4" = 1'-0"



ELEVATION--ABUTMENT NO. 2

Scale: 1/4" = 1'-0"



TYPICAL ABUTMENT SECTION

Scale: 1/2" = 1'-0"

ORIGINAL PLAN	DATE	BY
NOTED	MAY 1997	JHE
DESIGNED BY		
CHECKED BY		
DATE		



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
SIGNATURE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
HONUAPO OVERPASS
ABUTMENT NO. 1 AND NO. 2
RETROFIT DETAILS
SEISMIC RETROFIT OF VARIOUS BRIDGES
VICINITY OF PUNALUU
Fed. Aid Project No. BR-0100(58)
Scale: As Noted Date: Sept. 1997
SHEET No. 52 OF 16 SHEETS