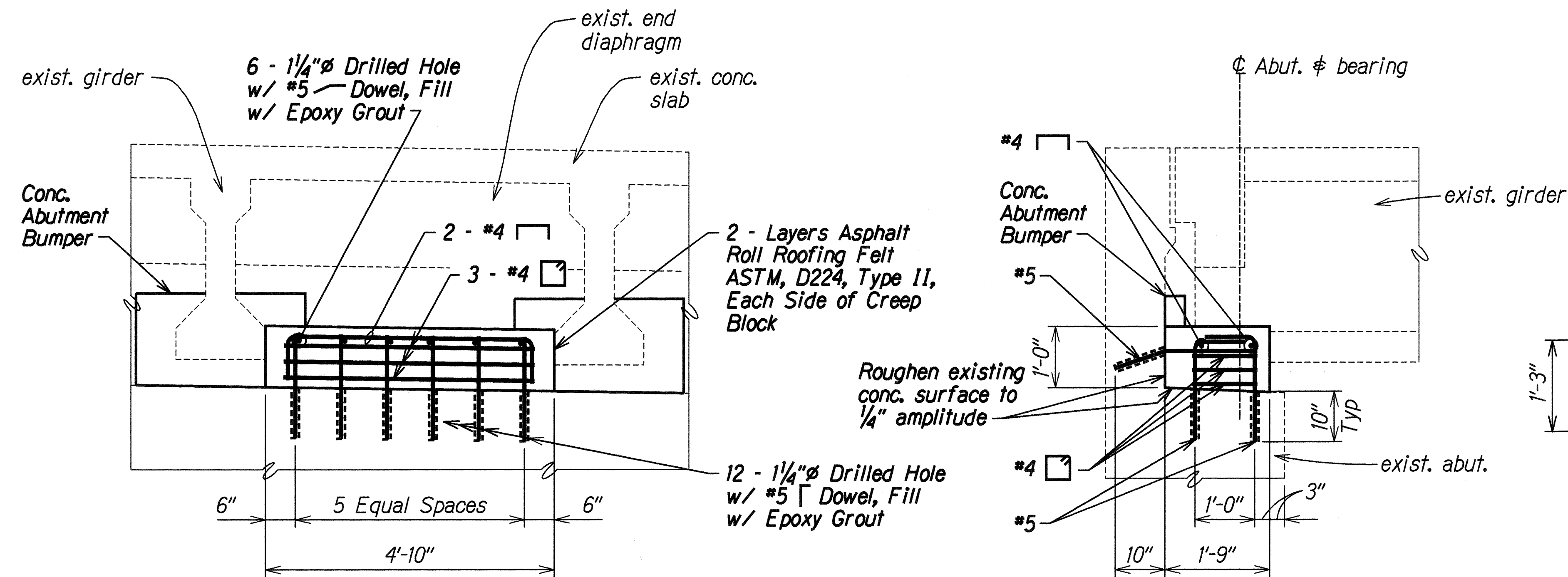


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-0100(58)	1998	16	16

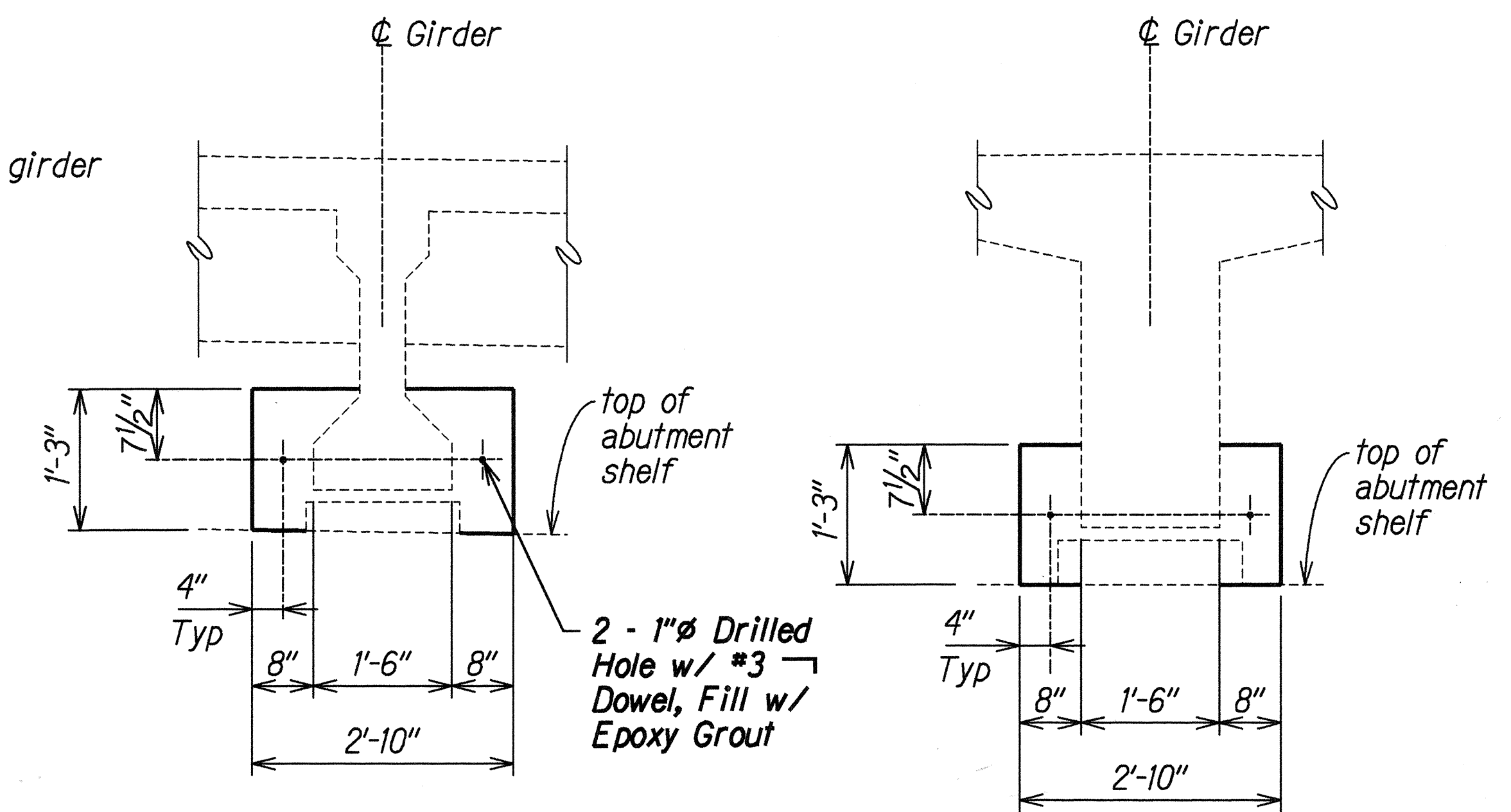


ELEVATION--CREEP BLOCK TYPE A

Scale: $\frac{3}{4}" = 1'-0"$

SECTION--CREEP BLOCK TYPE A

Scale: $\frac{3}{4}" = 1'-0"$

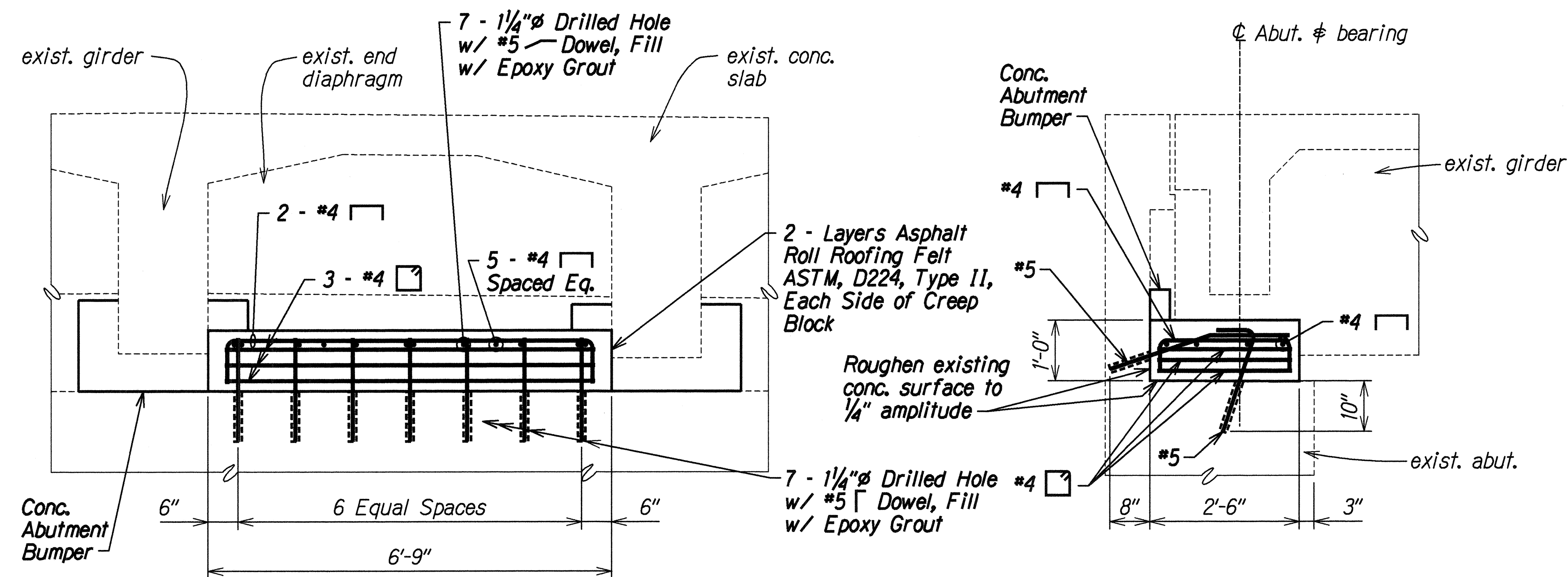


TYPE A

TYPE B

CONCRETE ABUTMENT BUMPER

Scale: $\frac{3}{4}" = 1'-0"$

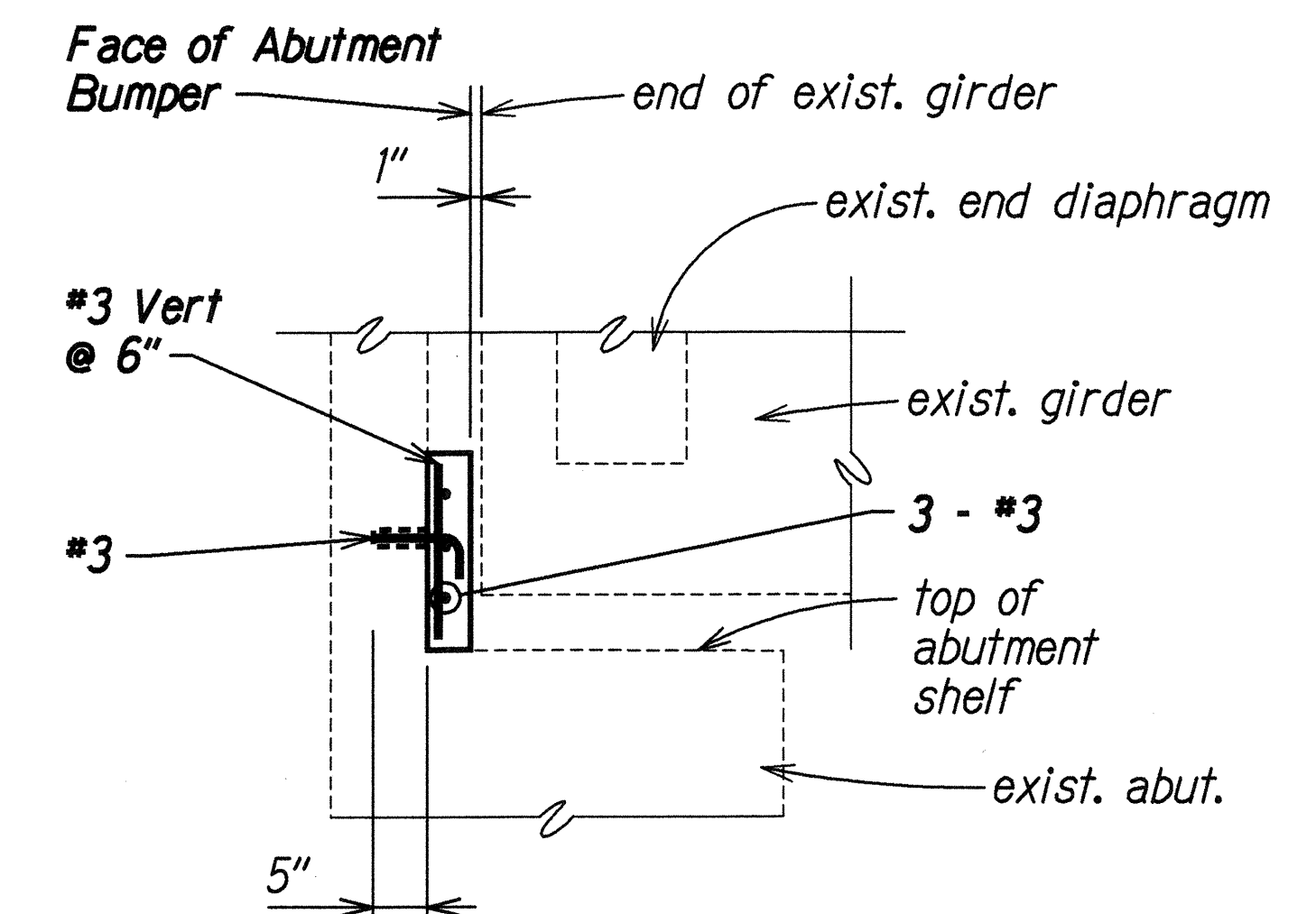


ELEVATION--CREEP BLOCK TYPE B

Scale: $\frac{3}{4}" = 1'-0"$

SECTION--CREEP BLOCK TYPE B

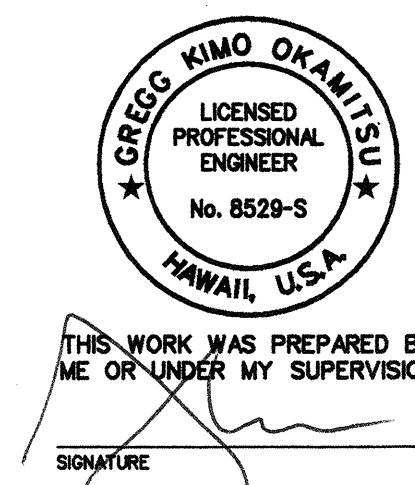
Scale: $\frac{3}{4}" = 1'-0"$



SECTION--ABUTMENT BUMPER

Scale: $\frac{3}{4}" = 1'-0"$

DATE	MAY 1997
DESIGNED BY	JHE
DRAWN BY	GO
CHECKED BY	GO
NOTED BY	JHE
ORIGINAL PLAN	
NOTE BOOK	
NO.	



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
PANAHEA BRIDGE
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. **S13** OF **16** SHEETS