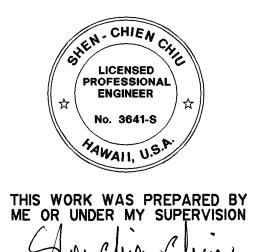


4. Add diagonal struts to end diaphragms at each span to prevent girder web from buckling, see

Section C/S-22.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-019-2(46)	2000	23	26



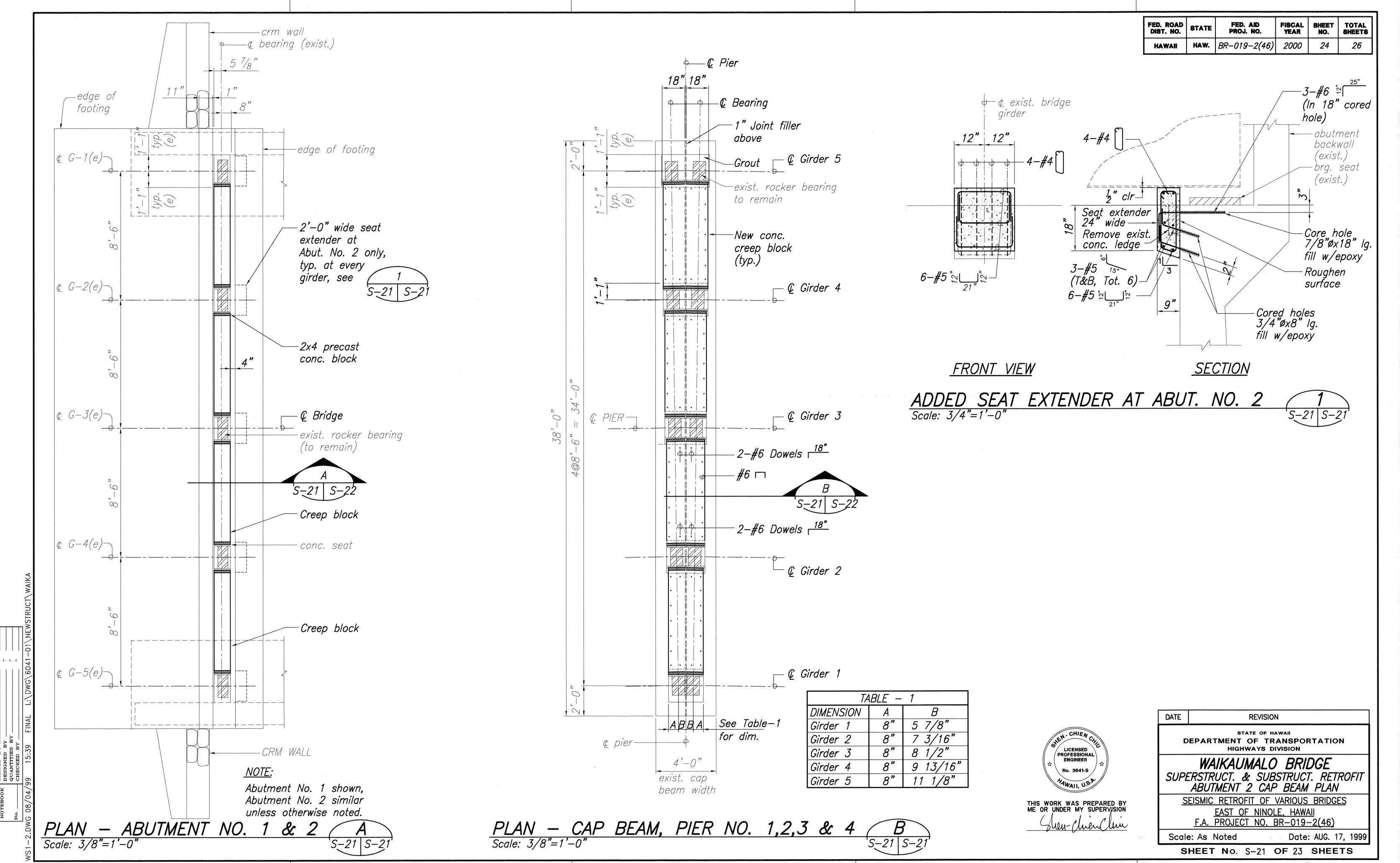
REVISION STATE OF HAWAII DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

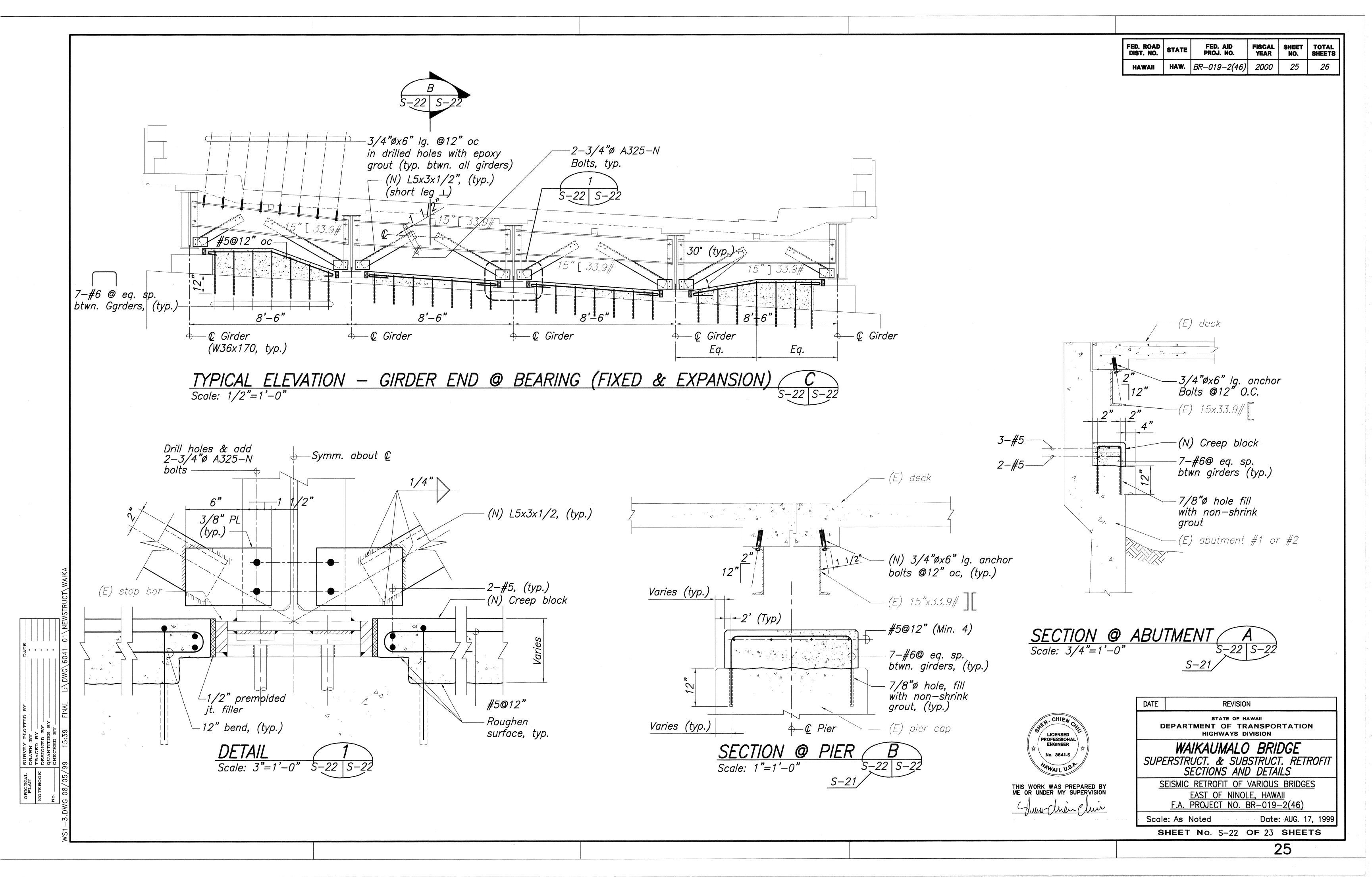
WAIKAUMALO BRIDGE SUPERSTRUCT. & SUBSTRUCT. RETROFIT PLAN AND SECTION

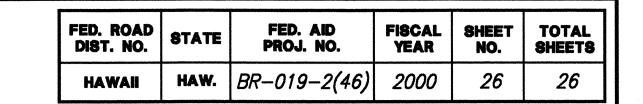
SEISMIC RETROFIT OF VARIOUS BRIDGES EAST OF NINOLE, HAWAII F.A. PROJECT NO. BR-019-2(46)

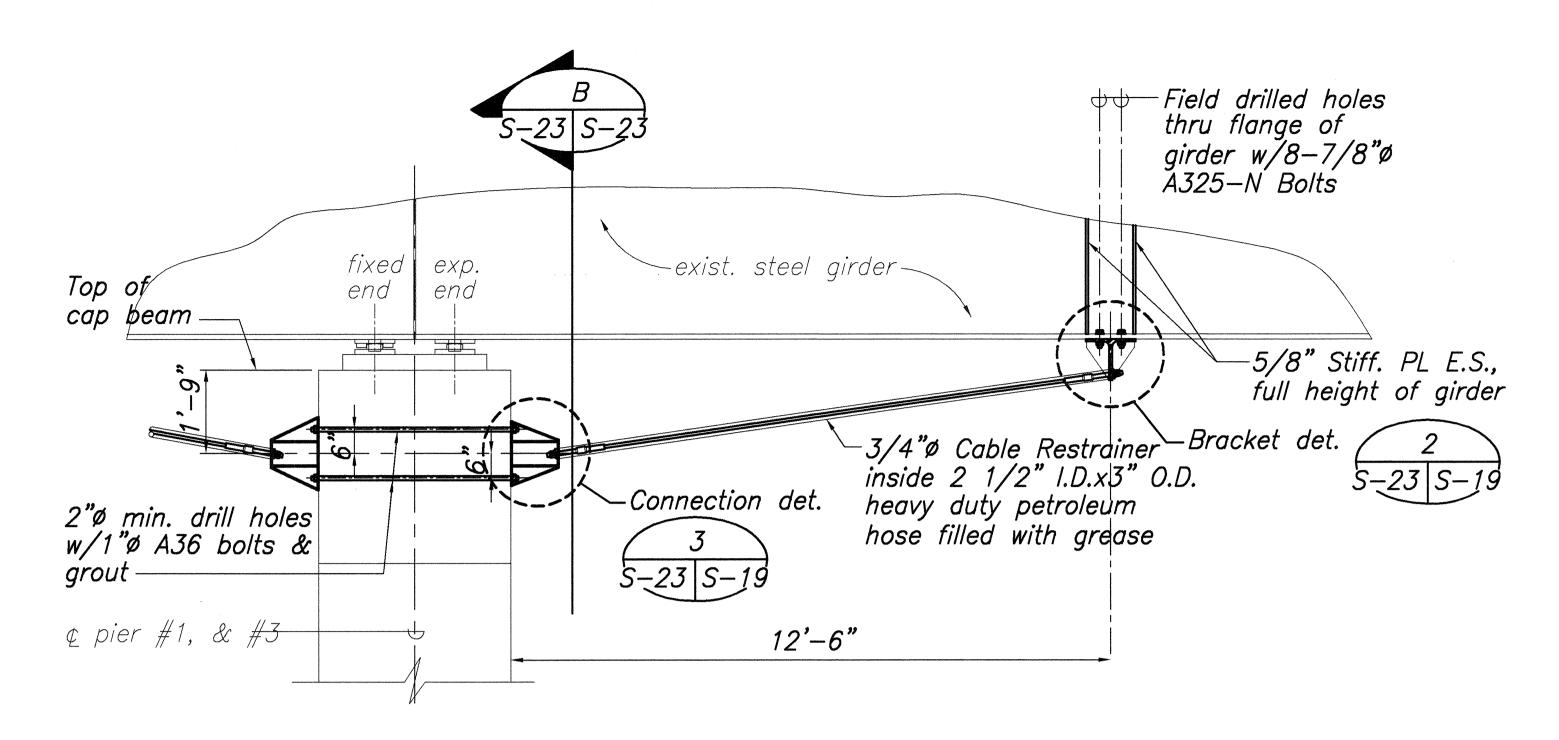
Scale: As Noted Date: AUG. 17, 1999

SHEET No. S-20 OF 23 SHEETS





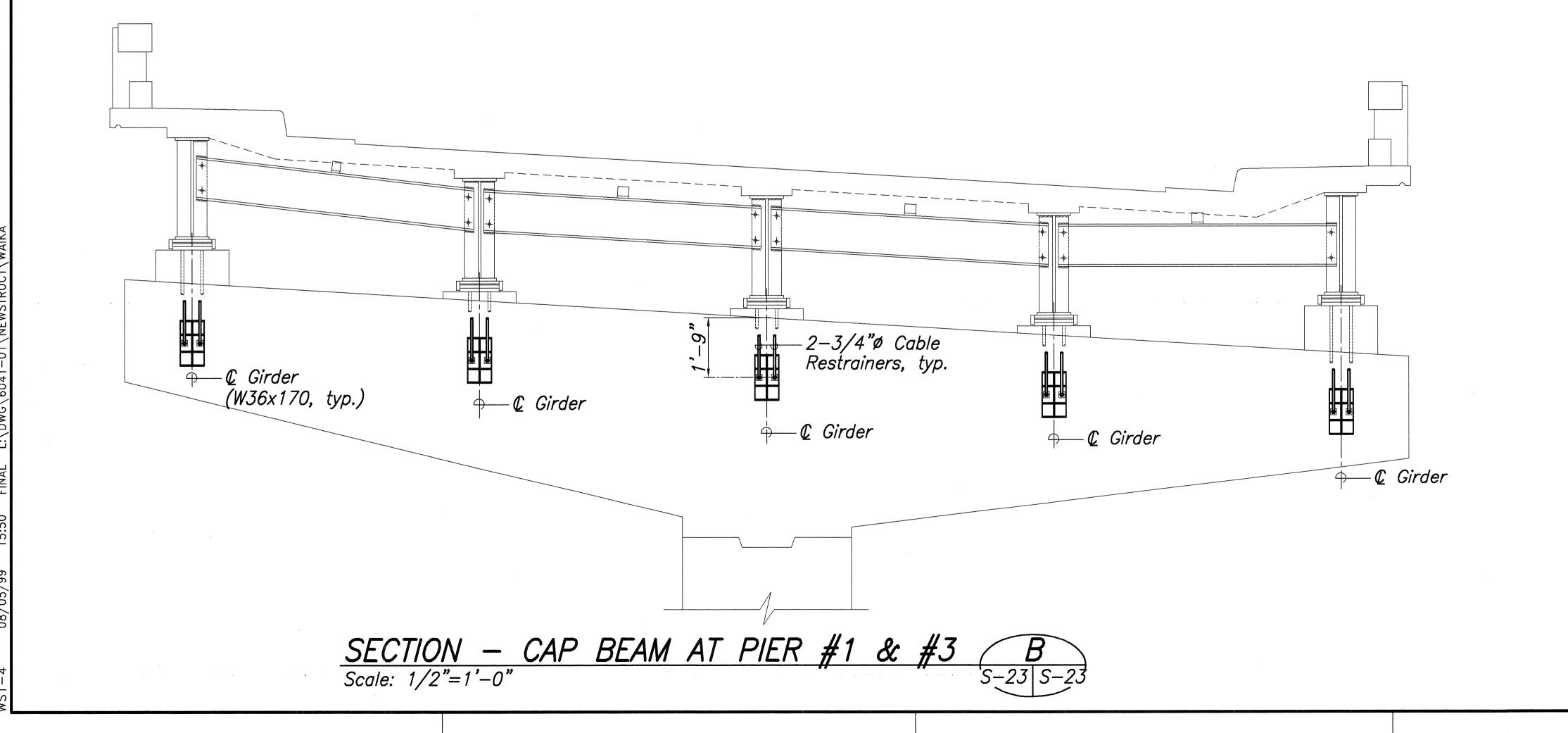




RESTRAINER LAYOUT - TYPICAL SECTION A

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

S-23 S-23





THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

REVISION
STATE OF HAWAII

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

WAIKAUMALO BRIDGE SUPERSTRUCT. & SUBSTRUCT. RETROFIT RESTRAINER LAYOUT

SEISMIC RETROFIT OF VARIOUS BRIDGES

EAST OF NINOLE, HAWAII F.A. PROJECT NO. BR-019-2(46)

Scale: As Noted Date: AUG. 17, 1999

SHEET No. S-23 OF 23 SHEETS