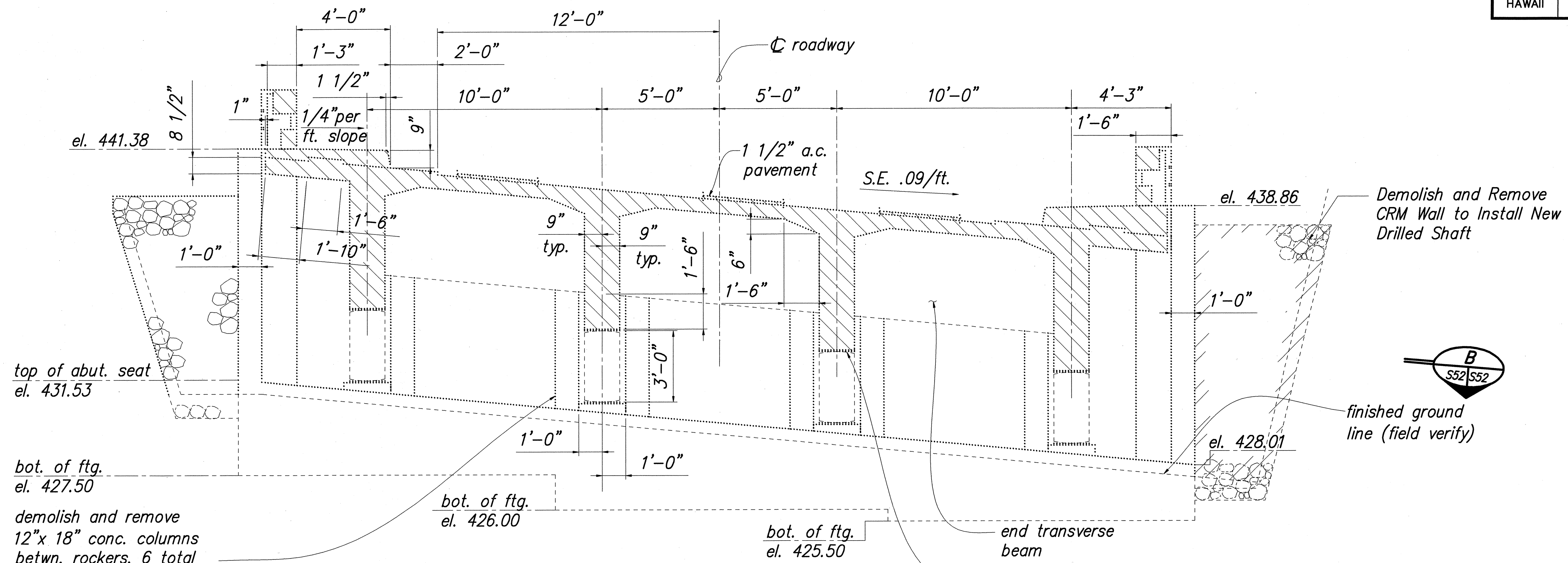
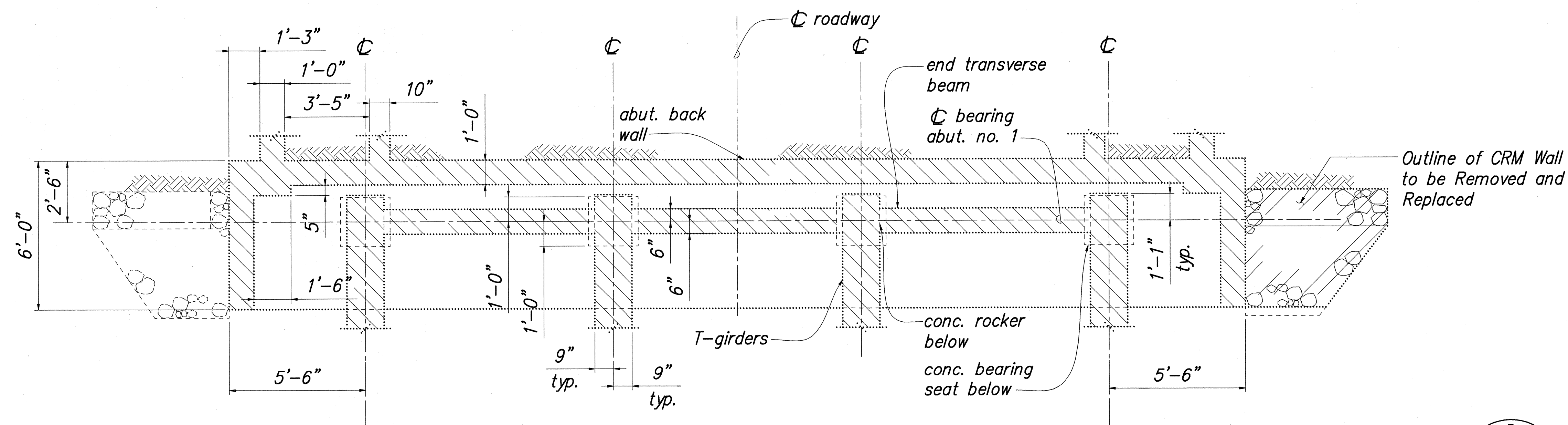


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-019-2(44)	1998	55	61



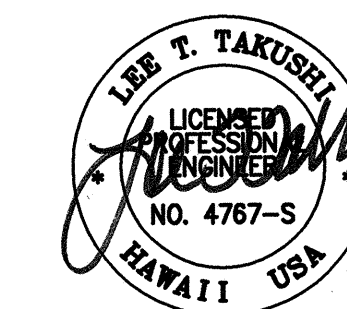
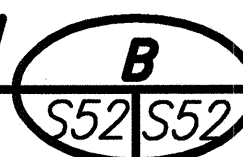
**ABUTMENT NO. 1 - EXISTING CONDITIONS
NORMAL TO GIRDERS ELEVATION**

SCALE: 3/8"=1'-0"



**ABUTMENT NO. 1
EXISTING CONDITIONS SECTION PLAN**

SCALE: 3/8"=1'-0"



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

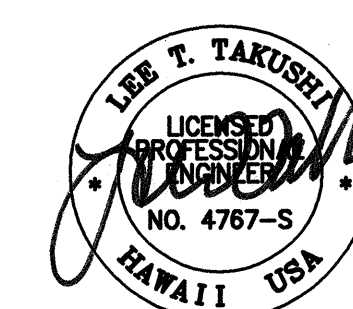
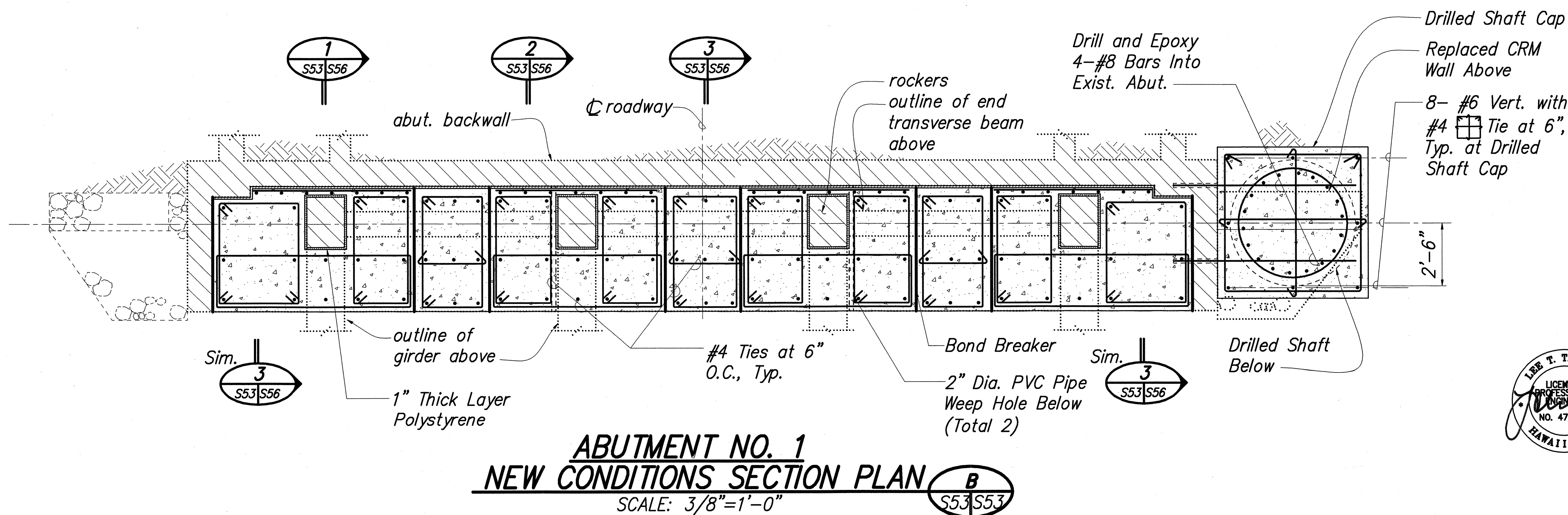
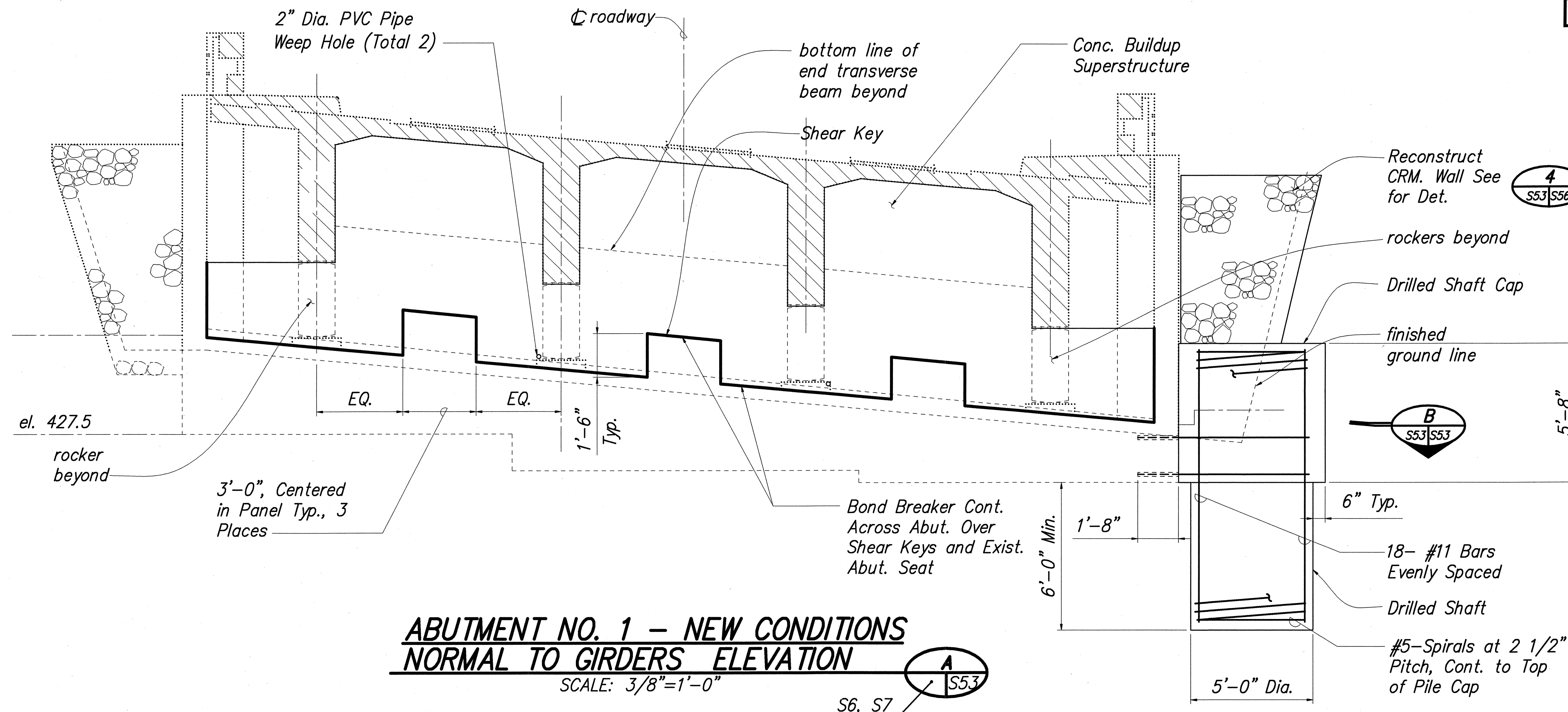
**KILAU BRIDGE
ABUTMENT NO.1 - EXISTING CONDITIONS
ELEVATION AND SECTION**

HAWAII BELT ROAD, SEISMIC RETROFIT OF VARIOUS BRIDGES,
VICINITY OF LAUPAHOEHOE
FEDERAL AID PROJECT NO. BR-019-2(44)

SCALE: AS NOTED DATE: APRIL 1998

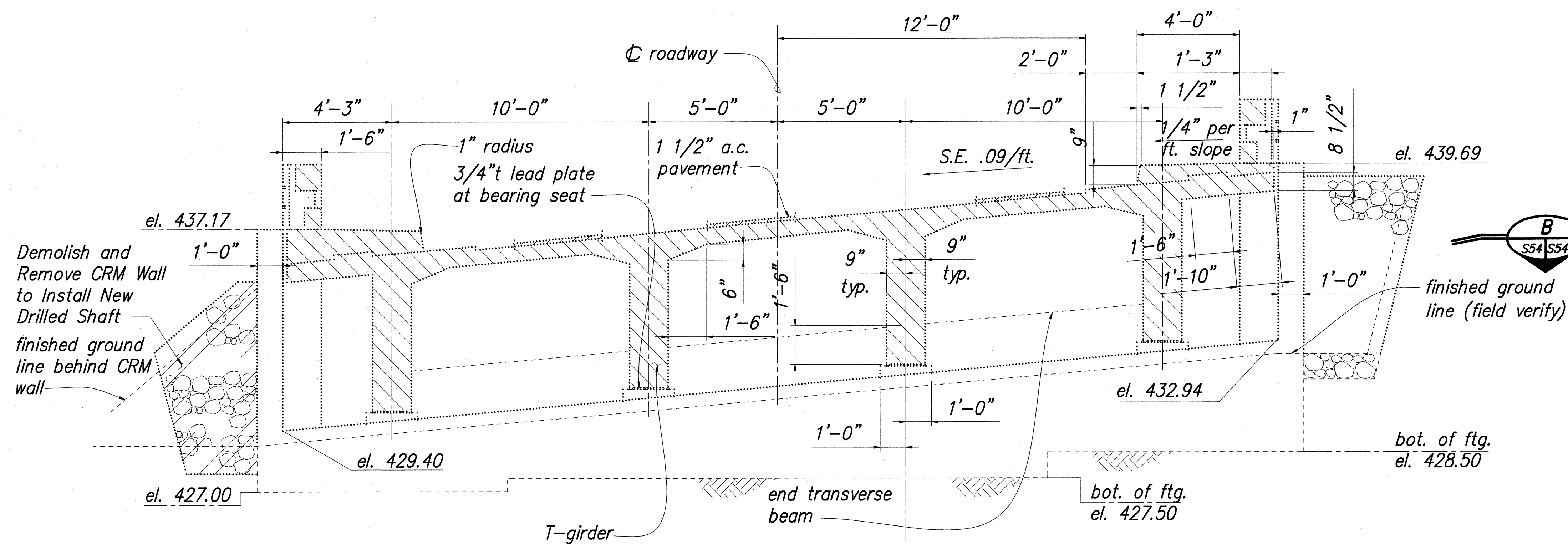
SHEET No. S52 OF 58 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-019-2(44)	1998	56	61



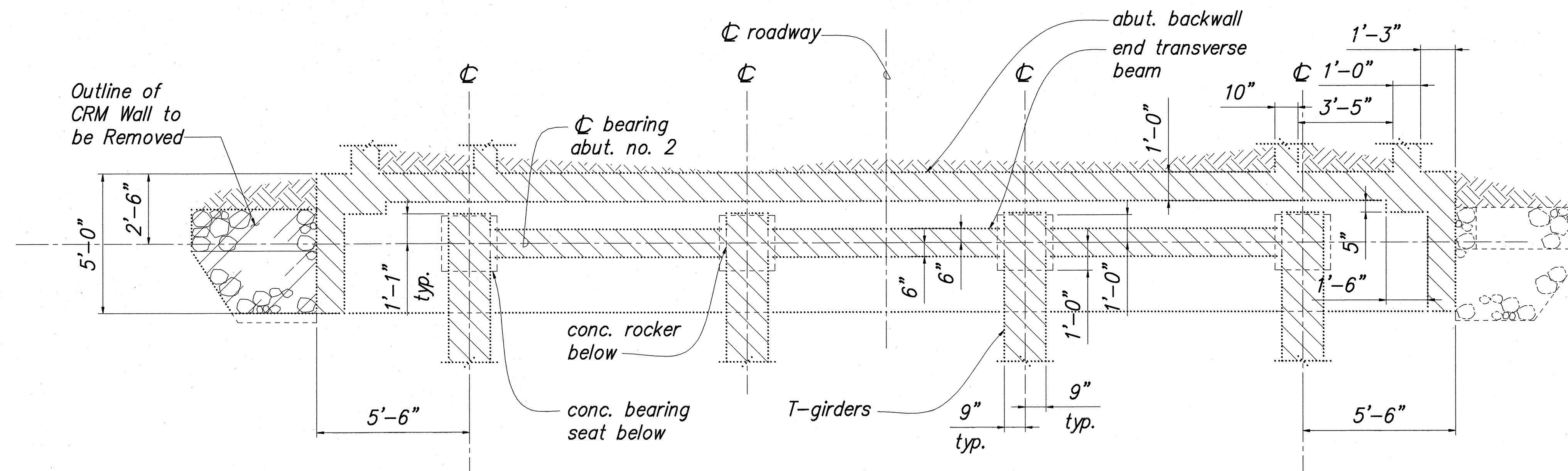
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION
KILAUE BRIDGE ABUTMENT NO. 1 - NEW CONDITIONS ELEVATION AND SECTION
HAWAII BELT ROAD, SEISMIC RETROFIT OF VARIOUS BRIDGES, VICINITY OF LAUPAHOEHOE FEDERAL AID PROJECT NO. BR-019-2(44)
SCALE: AS NOTED DATE: APRIL 1998
SHEET No. S53 OF 58 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-019-2(44)	1998	57	61



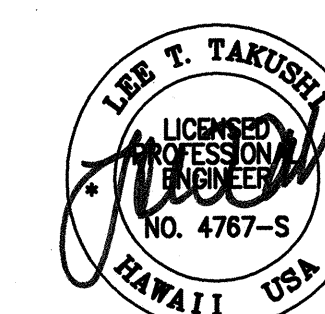
ABUTMENT NO. 2 - EXISTING CONDITIONS
NORMAL TO GIRDERS ELEVATION

SCALE: 3/8"=1'-0"



ABUTMENT NO. 2
EXISTING CONDITIONS SECTION PLAN

SCALE: 3/8"=1'-0"



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

KILAU BRIDGE
ABUTMENT NO.2 - EXISTING CONDITIONS
ELEVATION AND SECTION

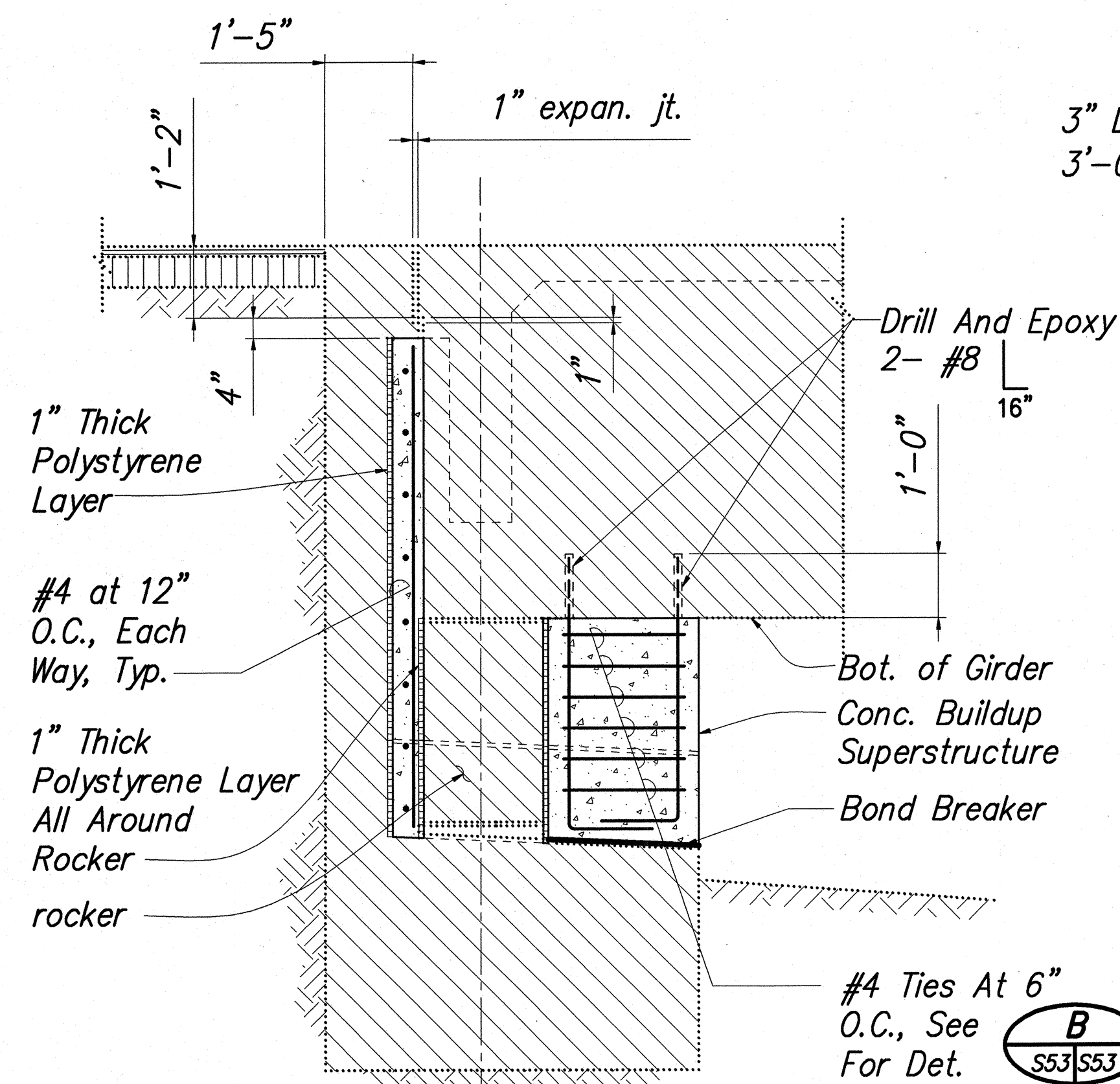
HAWAII BELT ROAD, SEISMIC RETROFIT OF VARIOUS BRIDGES,
VICINITY OF LAUPAHOEHOE
FEDERAL AID PROJECT NO. BR-019-2(44)

SCALE: AS NOTED DATE: APRIL 1998

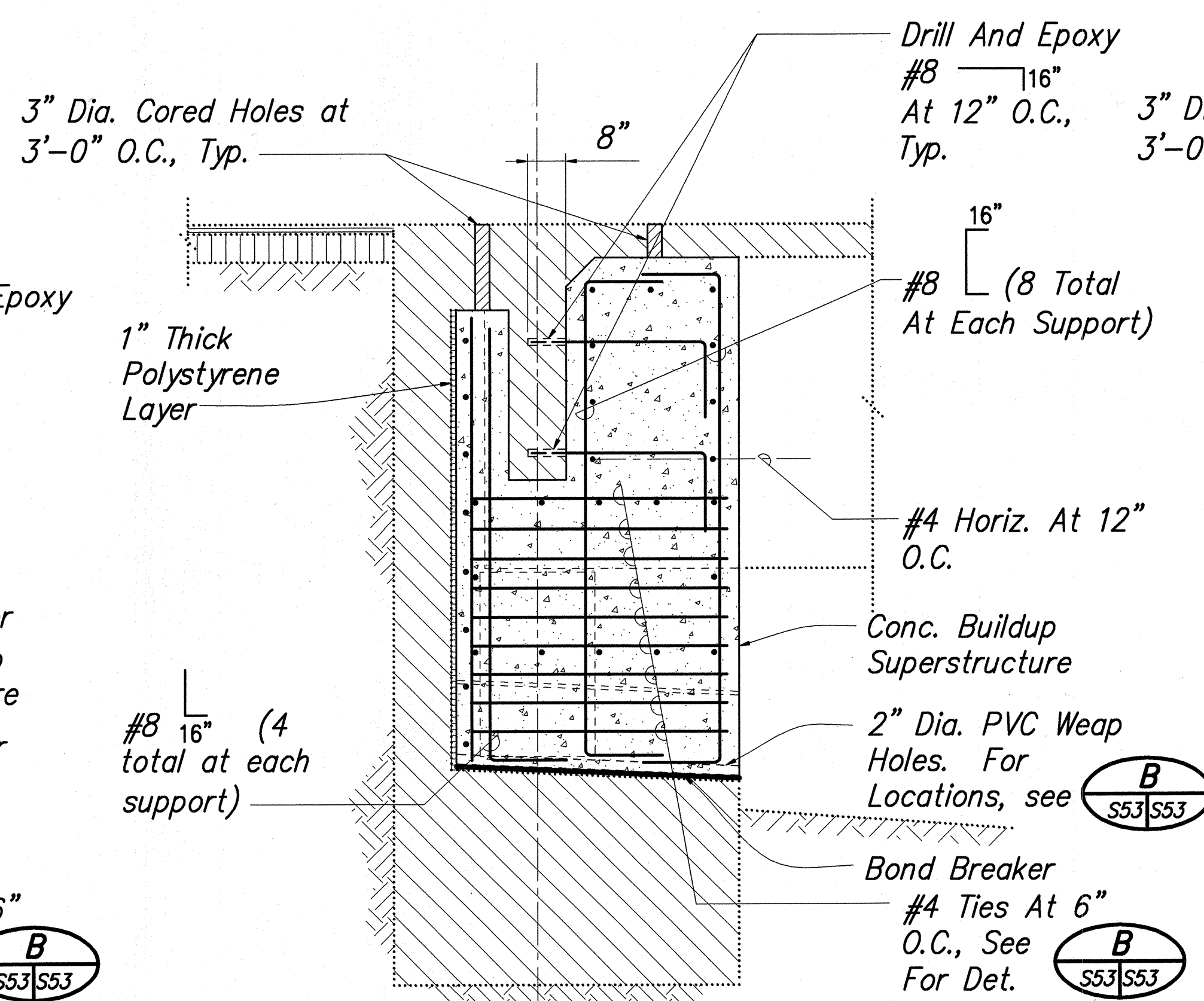
SHEET No. S54 OF 58 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	" "
No.	DESIGNED BY	" "
	CHECKED BY	" "

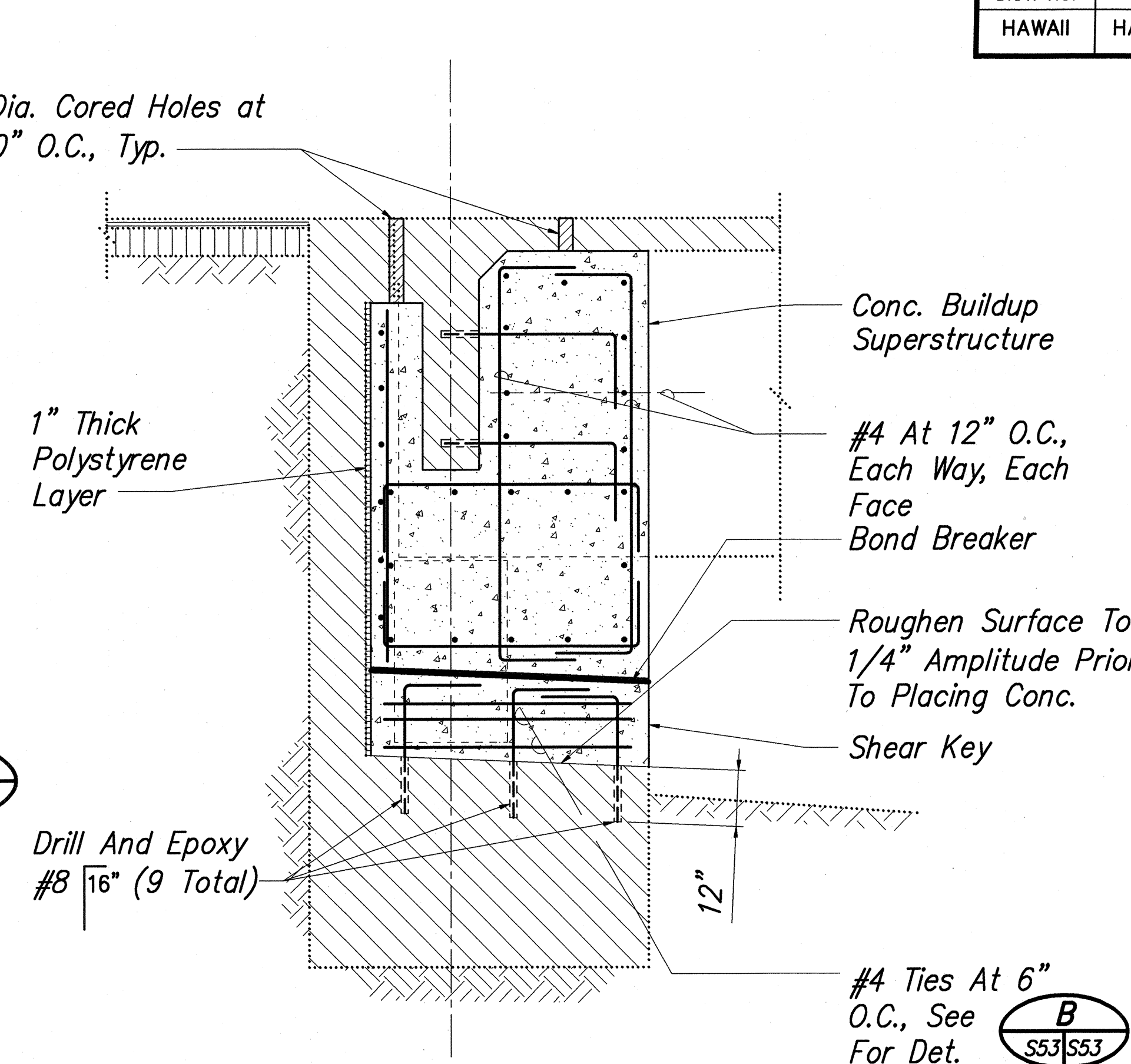
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-019-2(44)	1998	59	61



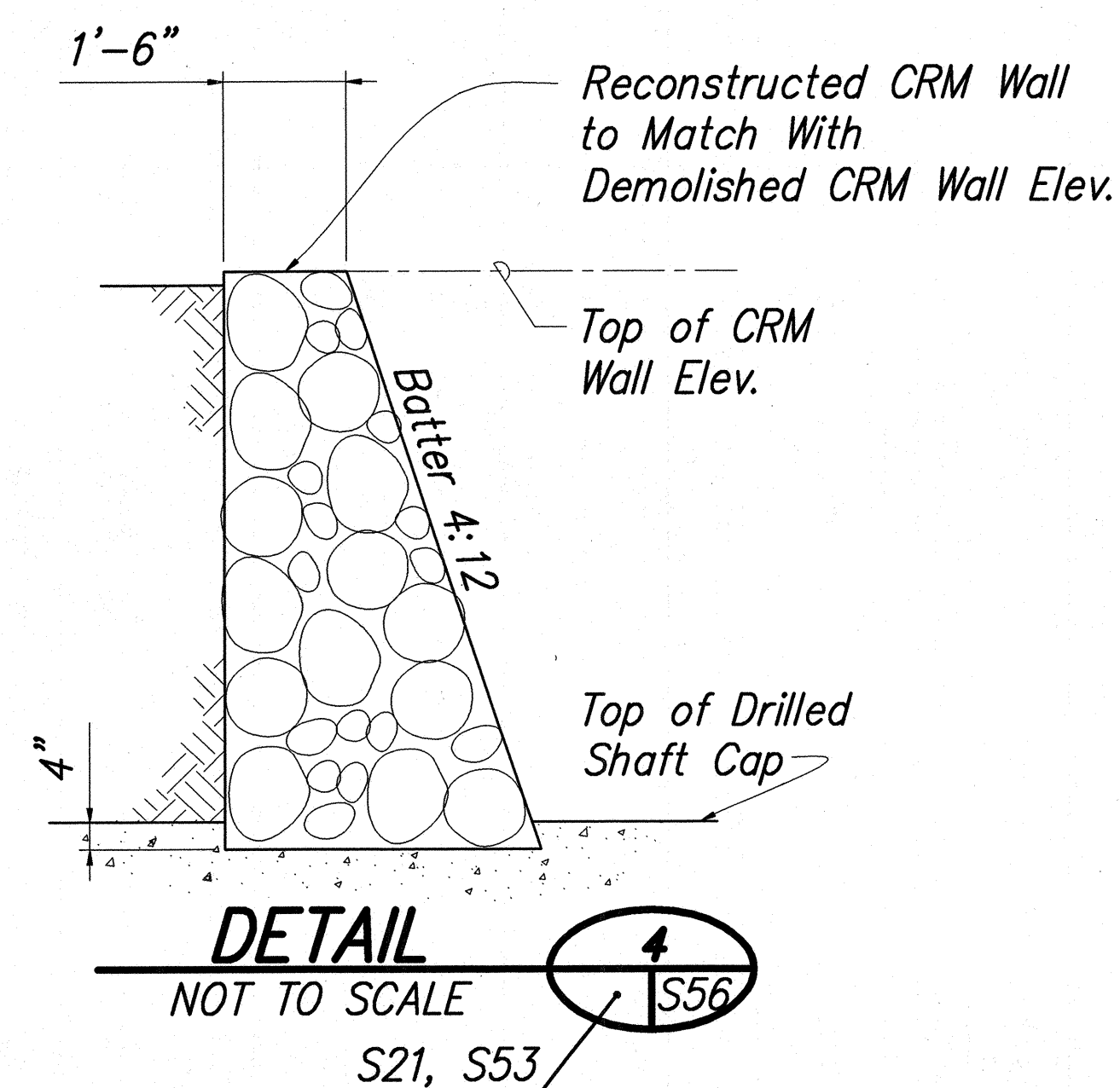
DETAIL 1
SCALE: 1/2"=1'-0" S53/S56



DETAIL 2
SCALE: 1/2"=1'-0" S53/S56



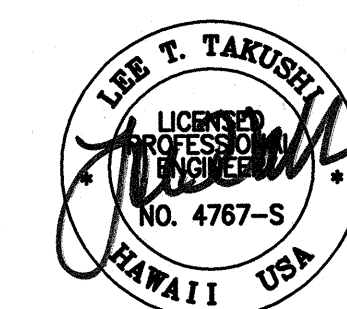
DETAIL 3
SCALE: 1/2"=1'-0" S53/S56



DETAIL 4
NOT TO SCALE S21, S53 S56

Note:
1. Items marked typical are applicable along that entire abutment.

DATE	05/21/98
DESIGNED BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

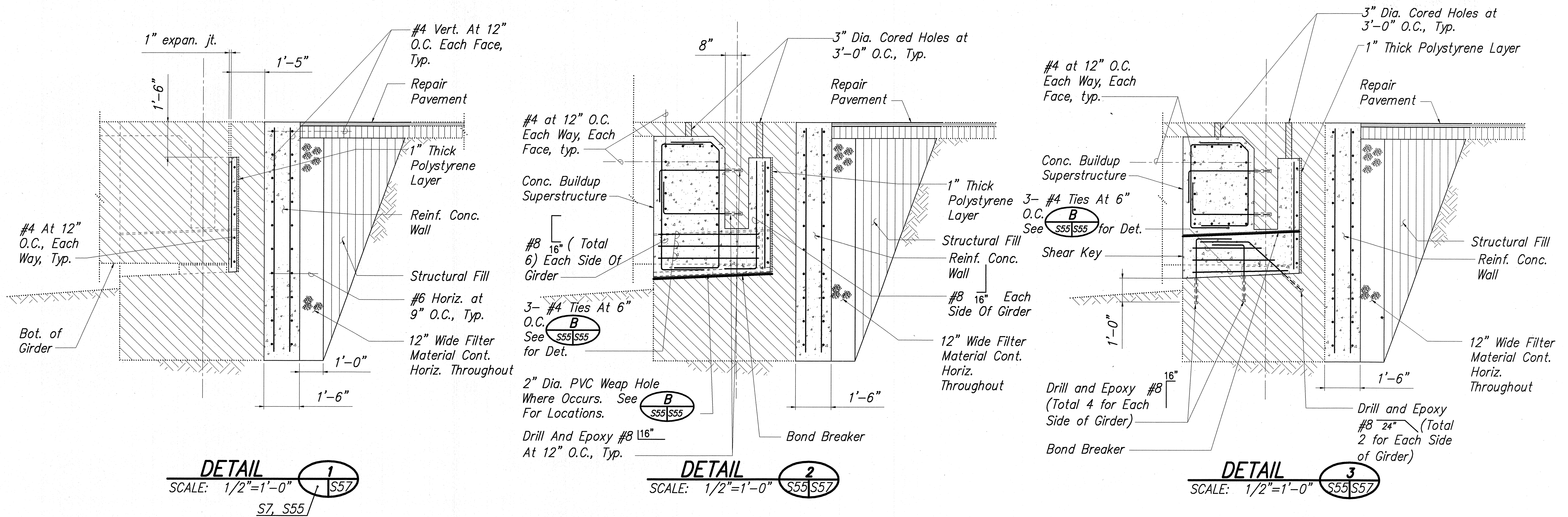
**KILAU BRIDGE
ABUTMENT NO. 1
NEW CONDITIONS SECTIONS**

HAWAII BELT ROAD, SEISMIC RETROFIT OF VARIOUS BRIDGES,
VICINITY OF LAUPAHOEHOE
FEDERAL AID PROJECT NO. BR-019-2(44)

SCALE: AS NOTED DATE: APRIL 1998

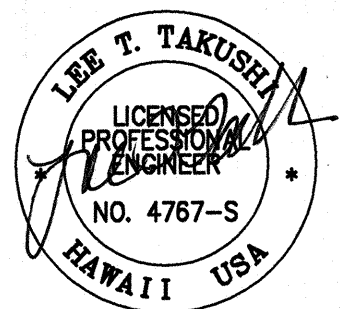
SHEET No. S56 OF 58 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-019-2(44)	1998	60	61



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	DESIGNED BY	
	CHECKED BY	

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8/7/98	Backfill Revised at Detail 3 per Addendum No. 1
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION KILAU BRIDGE ABUTMENT NO. 2 NEW CONDITIONS DETAILS HAWAII BELT ROAD, SEISMIC RETROFIT OF VARIOUS BRIDGES, VICINITY OF LAUPAHOEHOE FEDERAL AID PROJECT NO. BR-019-2(44) SCALE: AS NOTED DATE: APRIL 1998	
SHEET No. S57 OF 58 SHEETS	