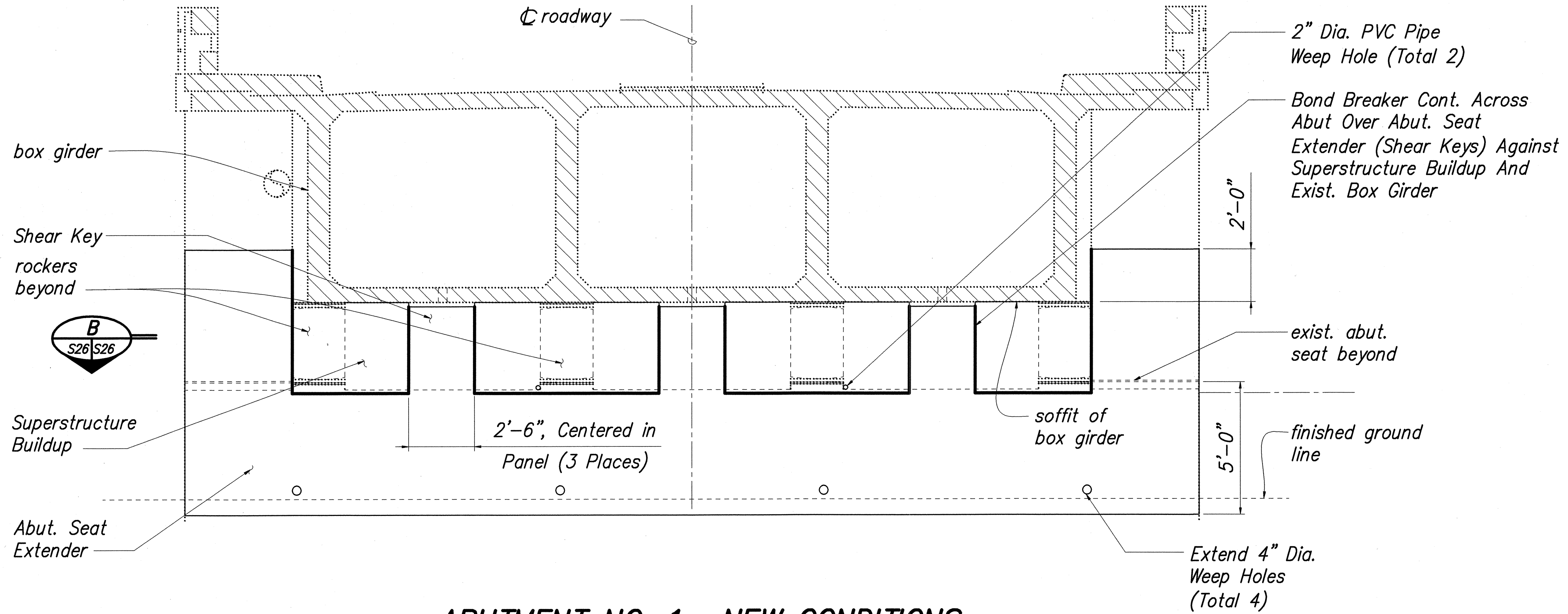
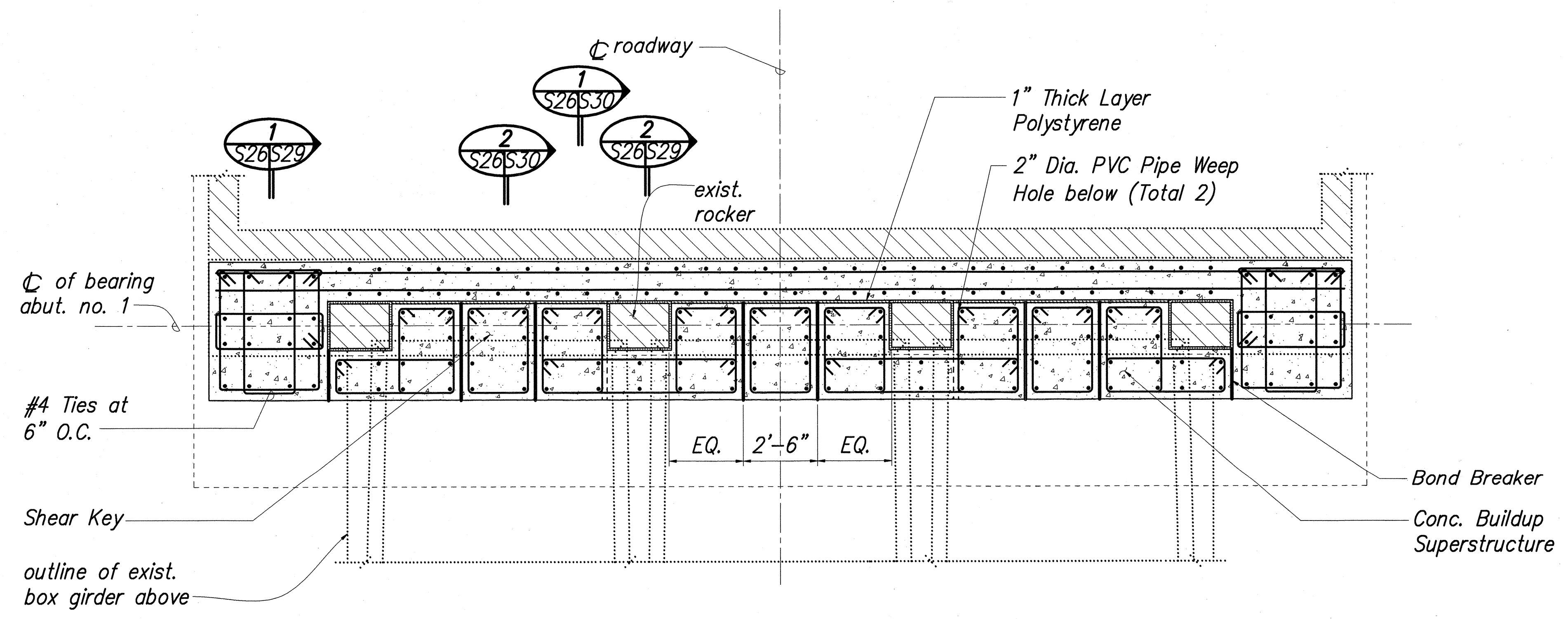


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-019-2(44)	1998	29	61

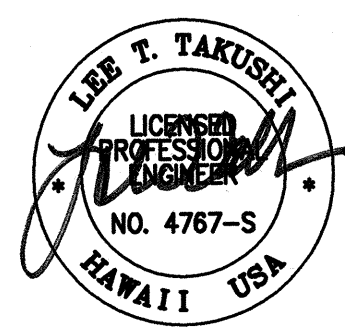


ABUTMENT NO. 1- NEW CONDITIONS
NORMAL TO GIRDERS ELEVATION
 SCALE: 3/8"=1'-0" A S3 S26



ABUTMENT NO. 1
NEW CONDITIONS SECTION PLAN
 SCALE: 3/8"=1'-0" B S26 S26

SURVEY PLOTTED BY	DATE
DESIGNED BY	" "
TRACED BY	" "
DESIGNED BY	" "
QUANTITIES BY	" "
CHECKED BY	" "
NO.	" "

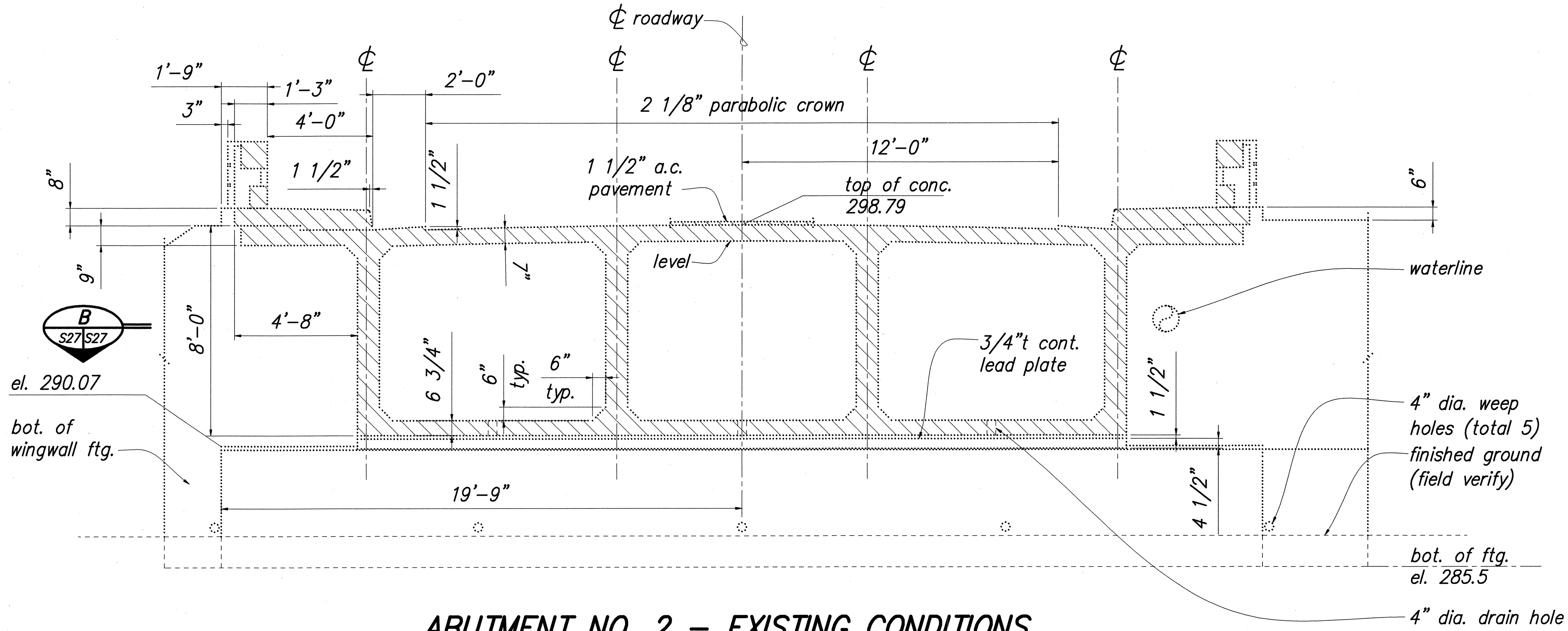


STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

KIHILANI BRIDGE
ABUTMENT NO. 1 - NEW CONDITIONS
ELEVATION AND SECTION

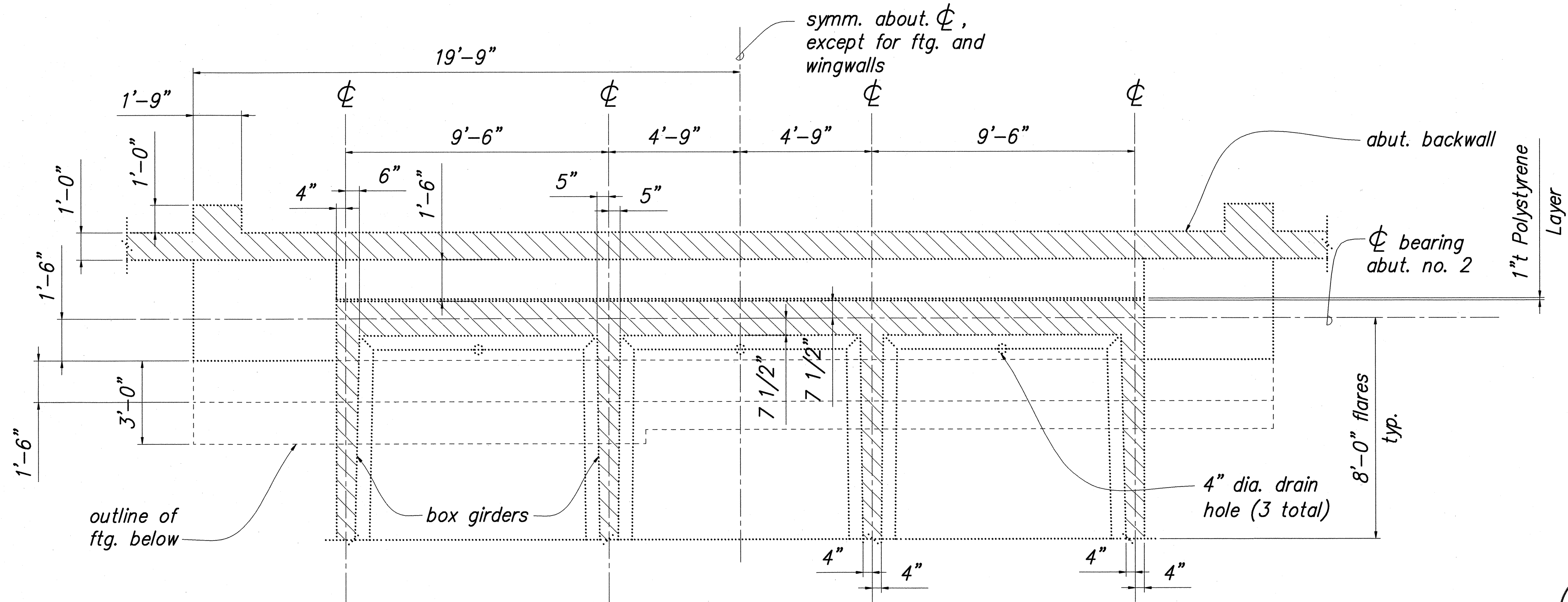
HAWAII BELT ROAD, SEISMIC RETROFIT OF VARIOUS BRIDGES,
 VICINITY OF LAUPAHOEHOE
 FEDERAL AID PROJECT NO. BR-019-2(44)
 SCALE: AS NOTED
 DATE: APRIL 1998

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-019-2(44)	1998	30	61



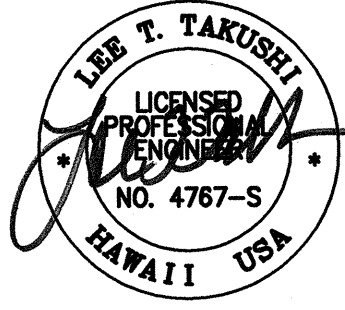
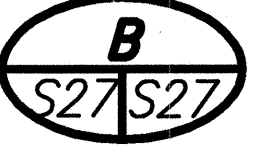
ABUTMENT NO. 2 - EXISTING CONDITIONS
NORMAL TO GIRDERS ELEVATION

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

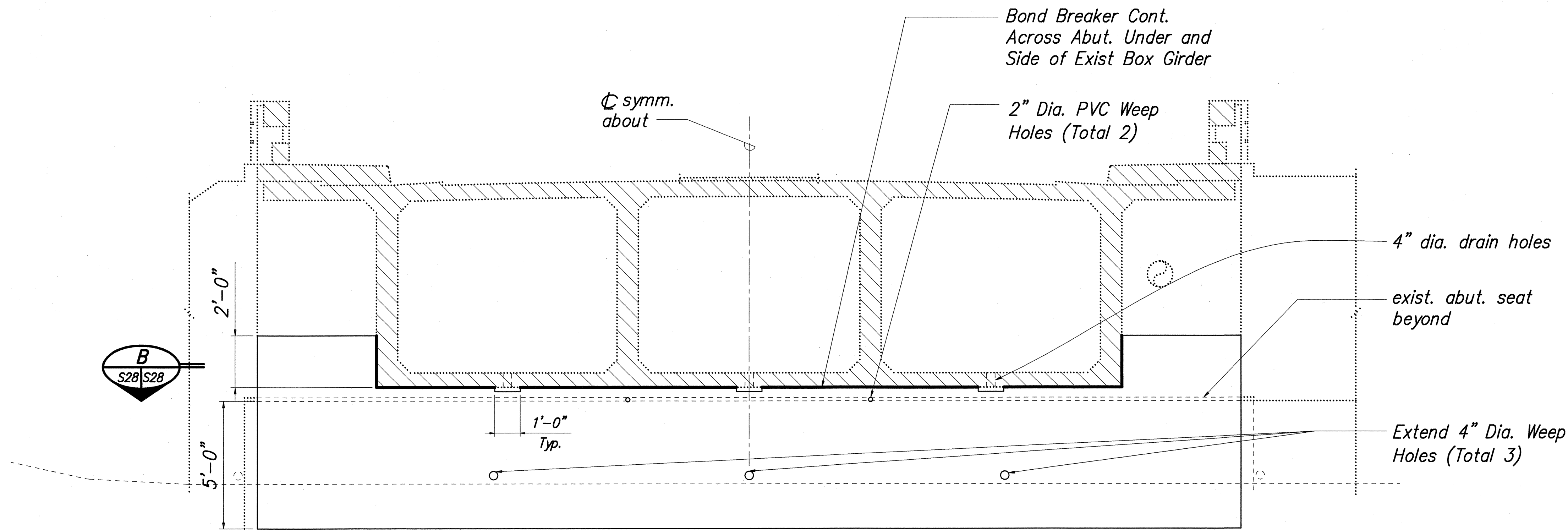
KIHALANI BRIDGE
ABUTMENT NO. 2 - EXISTING CONDITIONS
ELEVATIONS AND SECTIONS

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

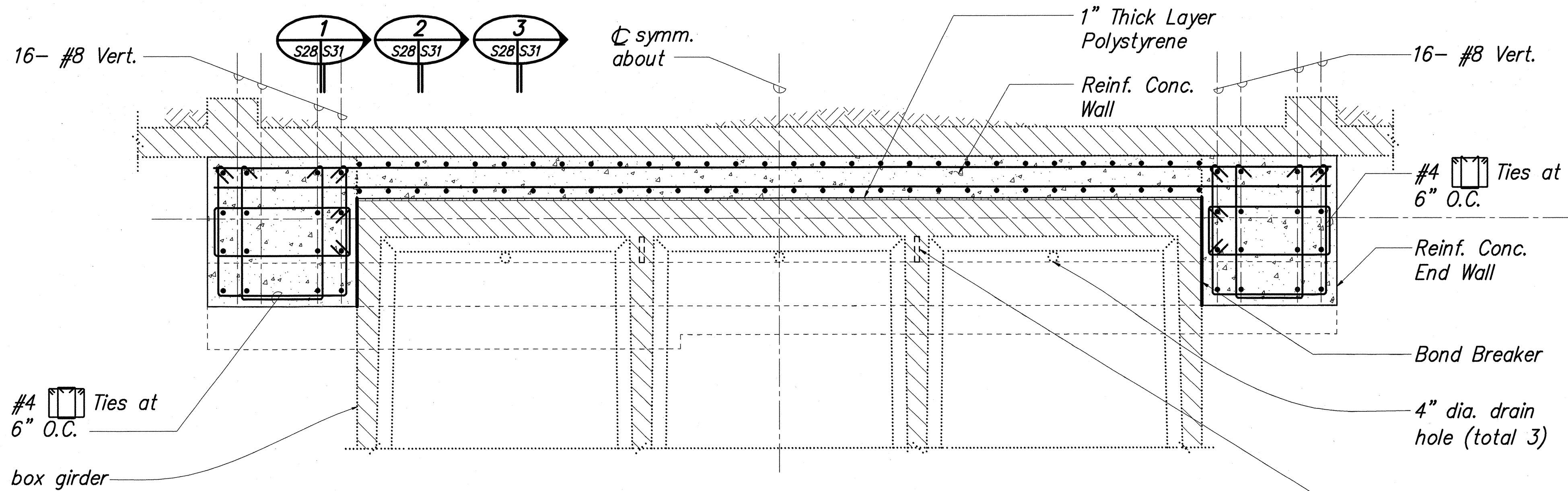
SHEET No. S27 OF 58 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-019-2(44)	1998	31	61



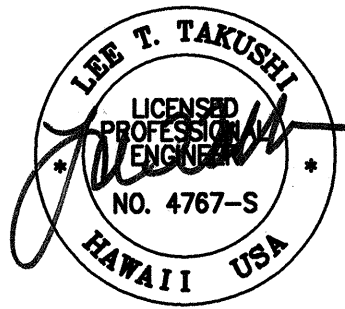
**ABUTMENT NO. 2 – NEW CONDITIONS
NORMAL TO GIRDERS ELEVATION**

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



**ABUTMENT NO. 2
NEW CONDITIONS SECTION PLAN**

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



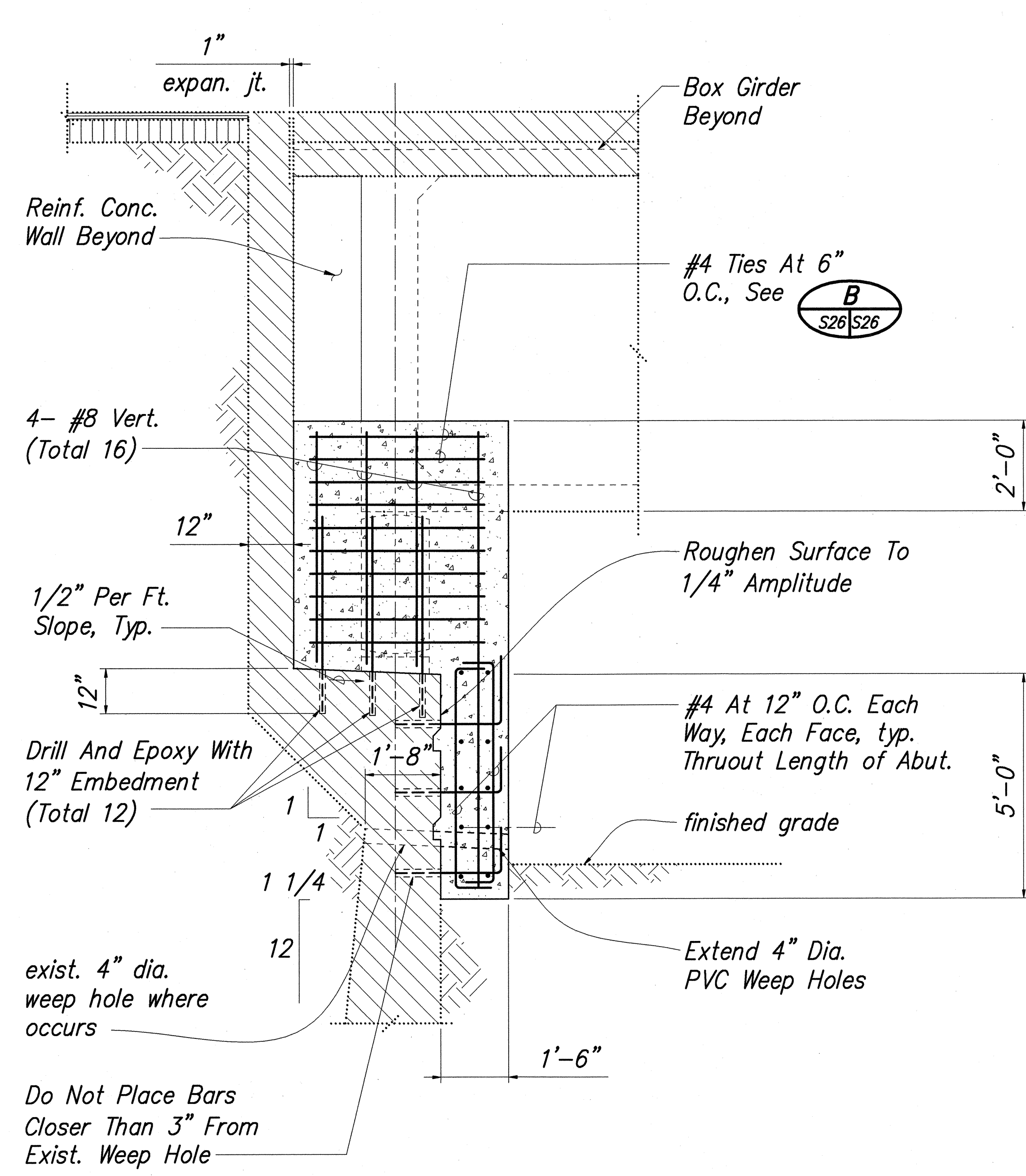
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

KIHILANI BRIDGE
ABUTMENT NO. 2 - NEW CONDITIONS
ELEVATION AND SECTION

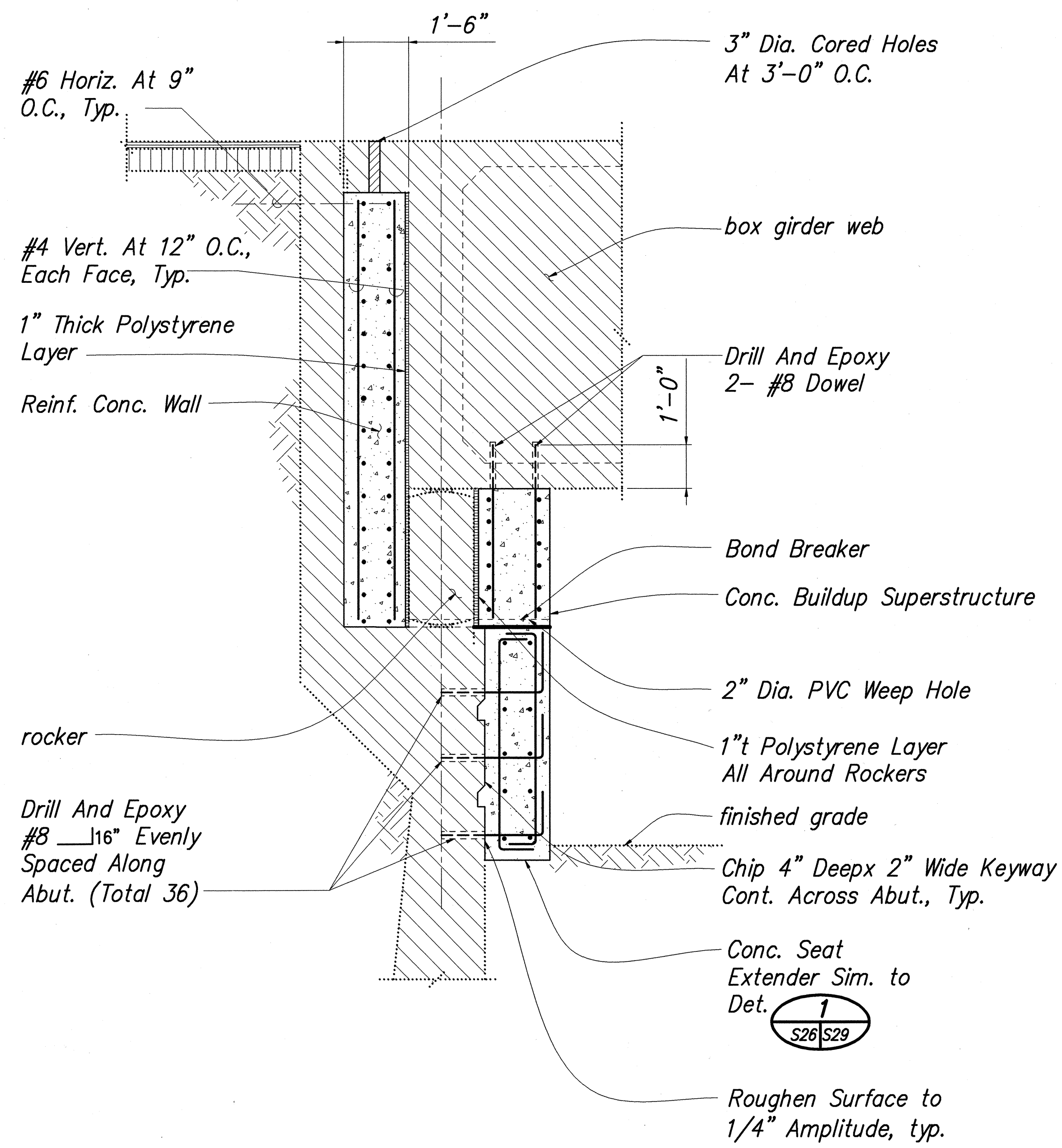
HAWAII BELT ROAD, SEISMIC RETROFIT OF VARIOUS BRIDGES,
VICINITY OF LAUPAHOEHOE
FEDERAL AID PROJECT NO. BR-019-2(44)
SCALE: AS NOTED
DATE: APRIL 1998

SHEET No. S28 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	32	61



DETAIL 1
SCALE: 1/2"=1'-0" S26 S29

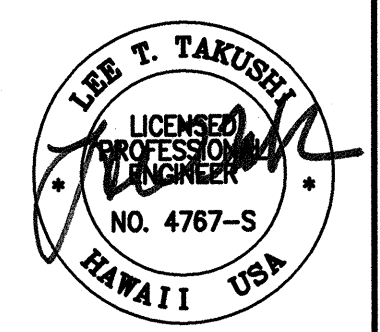


DETAIL 2
SCALE: 1/2"=1'-0" S26 S29

- Note:**
1. Items marked typical are applicable along that entire abutment.
 2. Provide a 40" minimum lap splice for #8 bars this sheet.

SURVEY PLOTTED BY	DATE
DESIGNED BY	" "
TRACED BY	" "
DESIGNED BY	" "
QUANTITIES BY	" "
CHECKED BY	" "
ORIGINAL PLAN	No.

E:\1997\9702000\DWG\DET1\97020038.DWG 05/22/98 11:57 DY

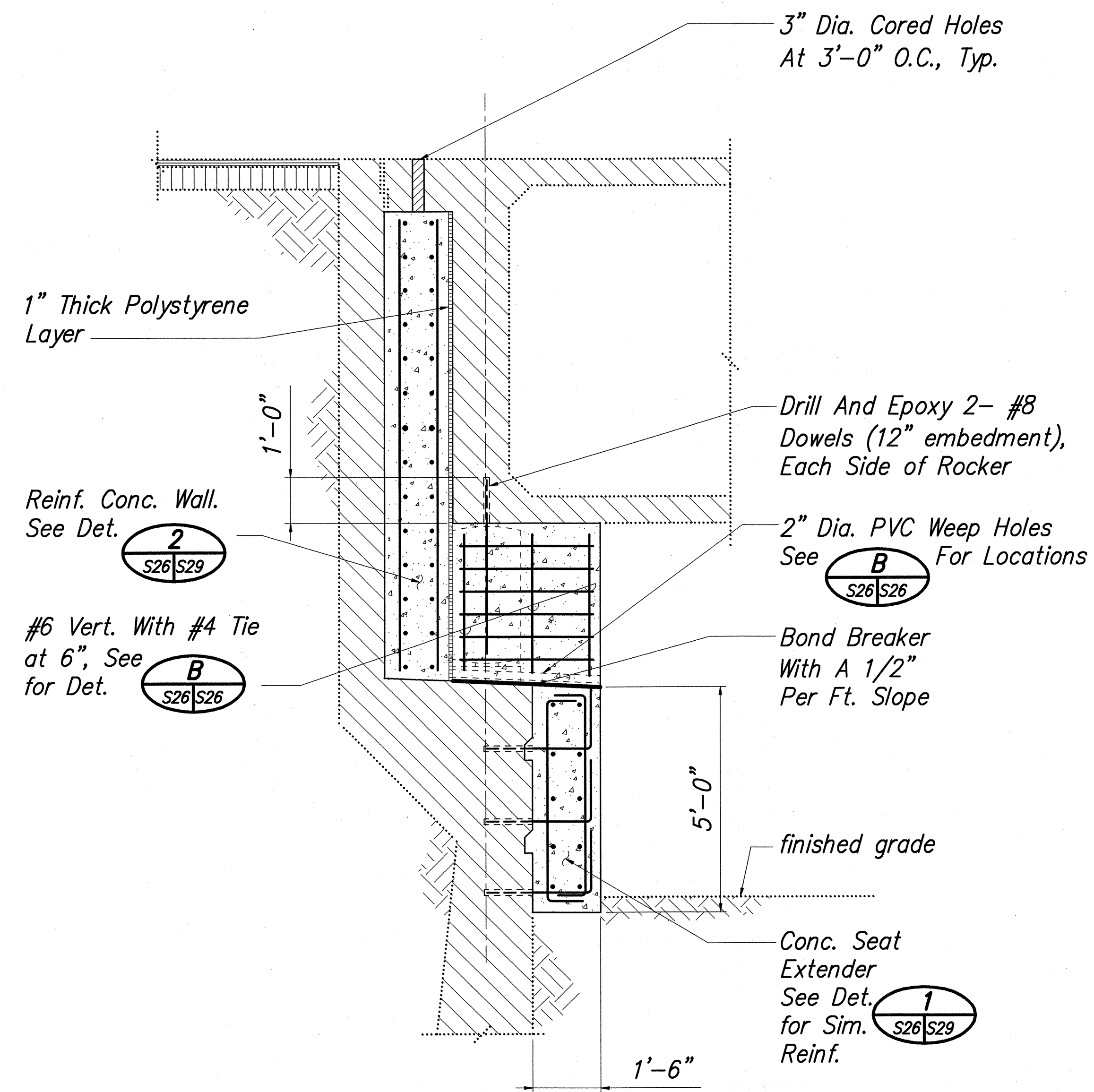


STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

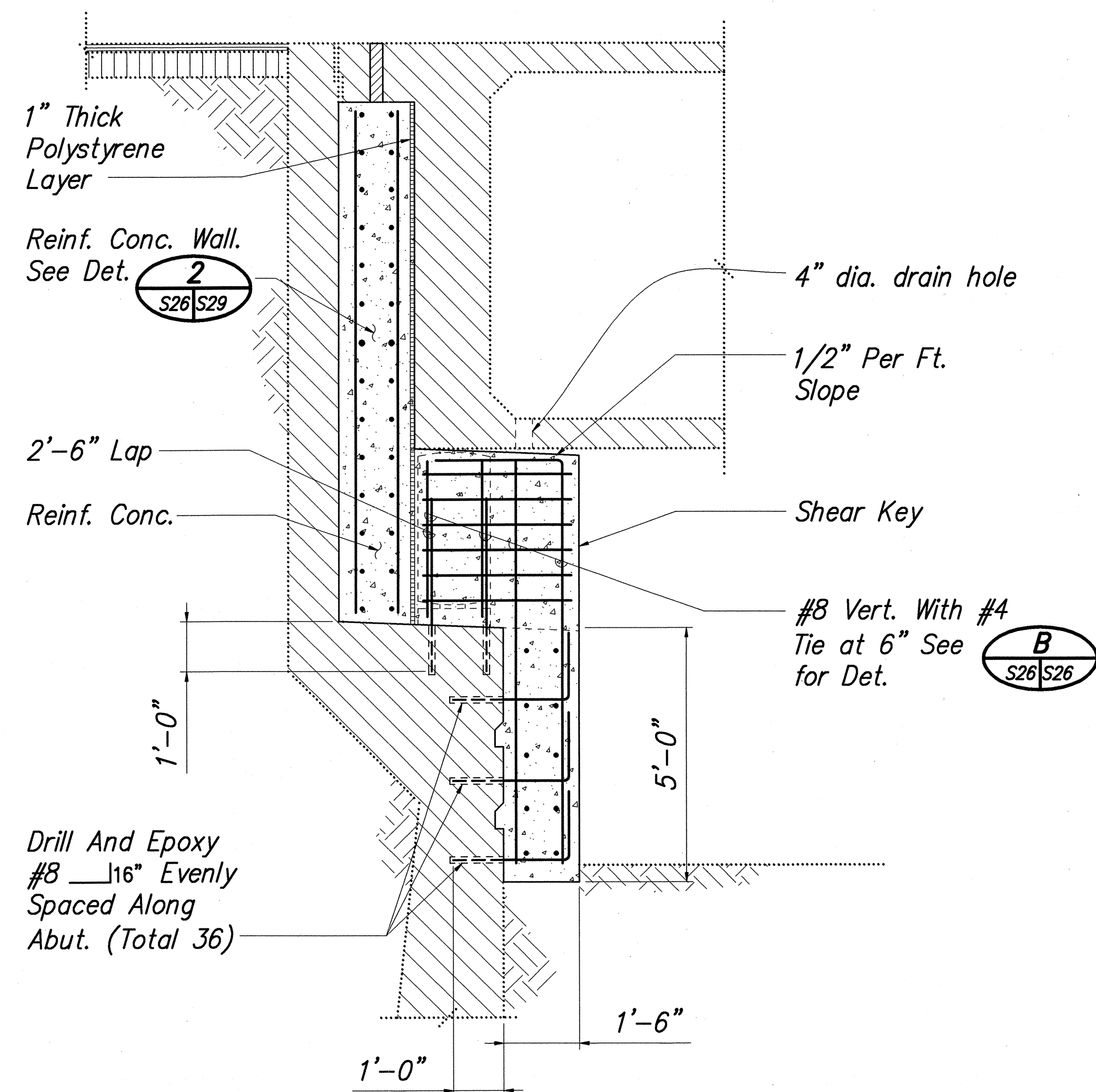
KIHILANI BRIDGE
ABUTMENT NO. 1
NEW CONDITIONS DETAILS

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

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-019-2(44)	1998	33	61



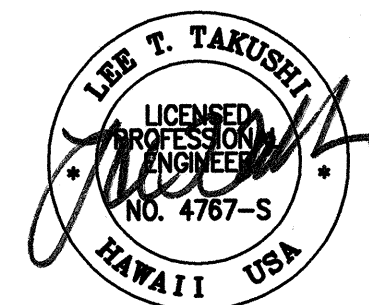
DETAIL 1
SCALE: 1/2"=1'-0" **1**
S26 S30



DETAIL 2
SCALE: 1/2"=1'-0" **2**
S26 S30

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

I:\139\19702000\DWGS\DET1\97020027.DWG 05/26/98 08:49 DY



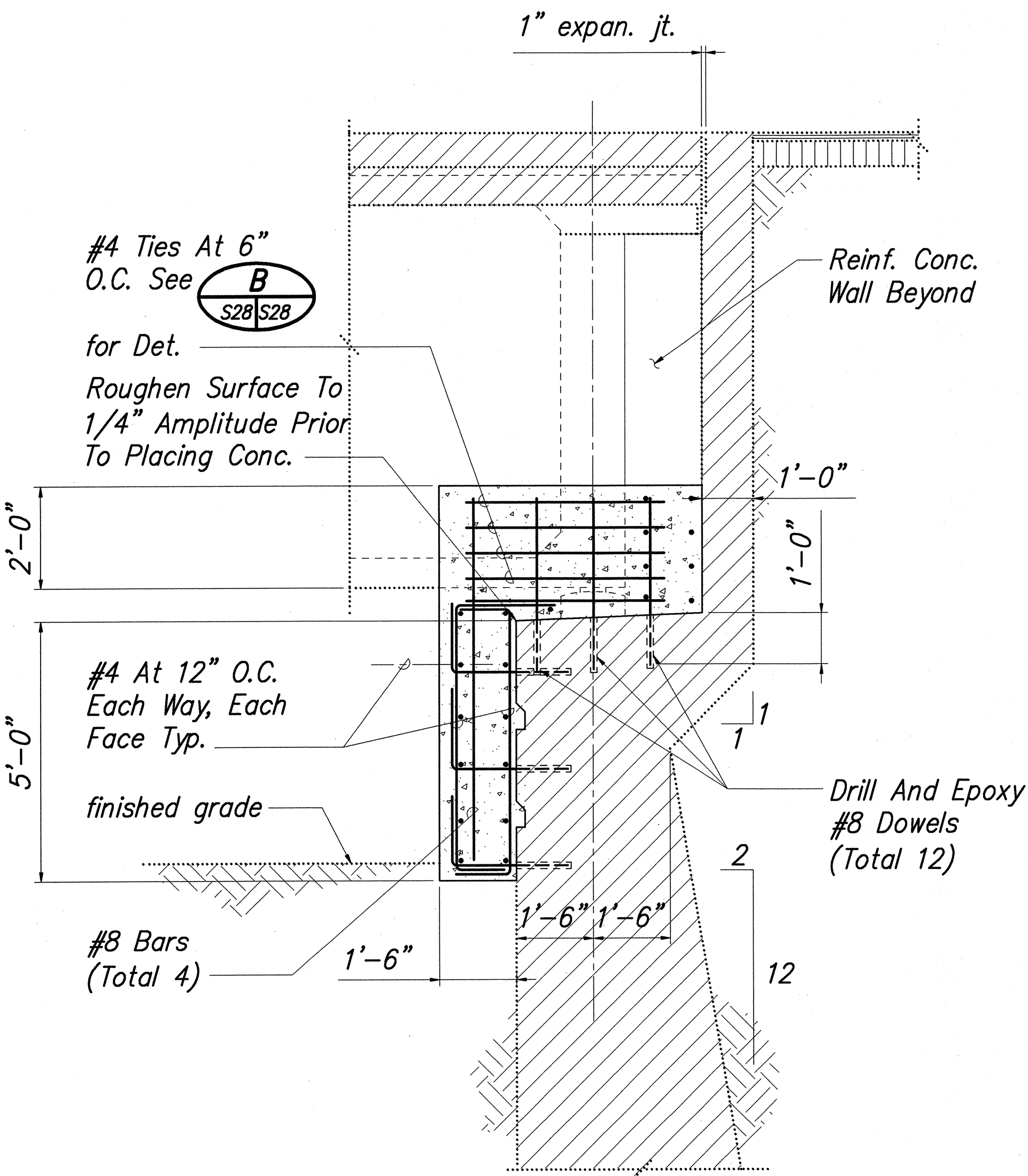
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**KIHILANI BRIDGE
ABUTMENT NO. 1
NEW CONDITIONS DETAILS**

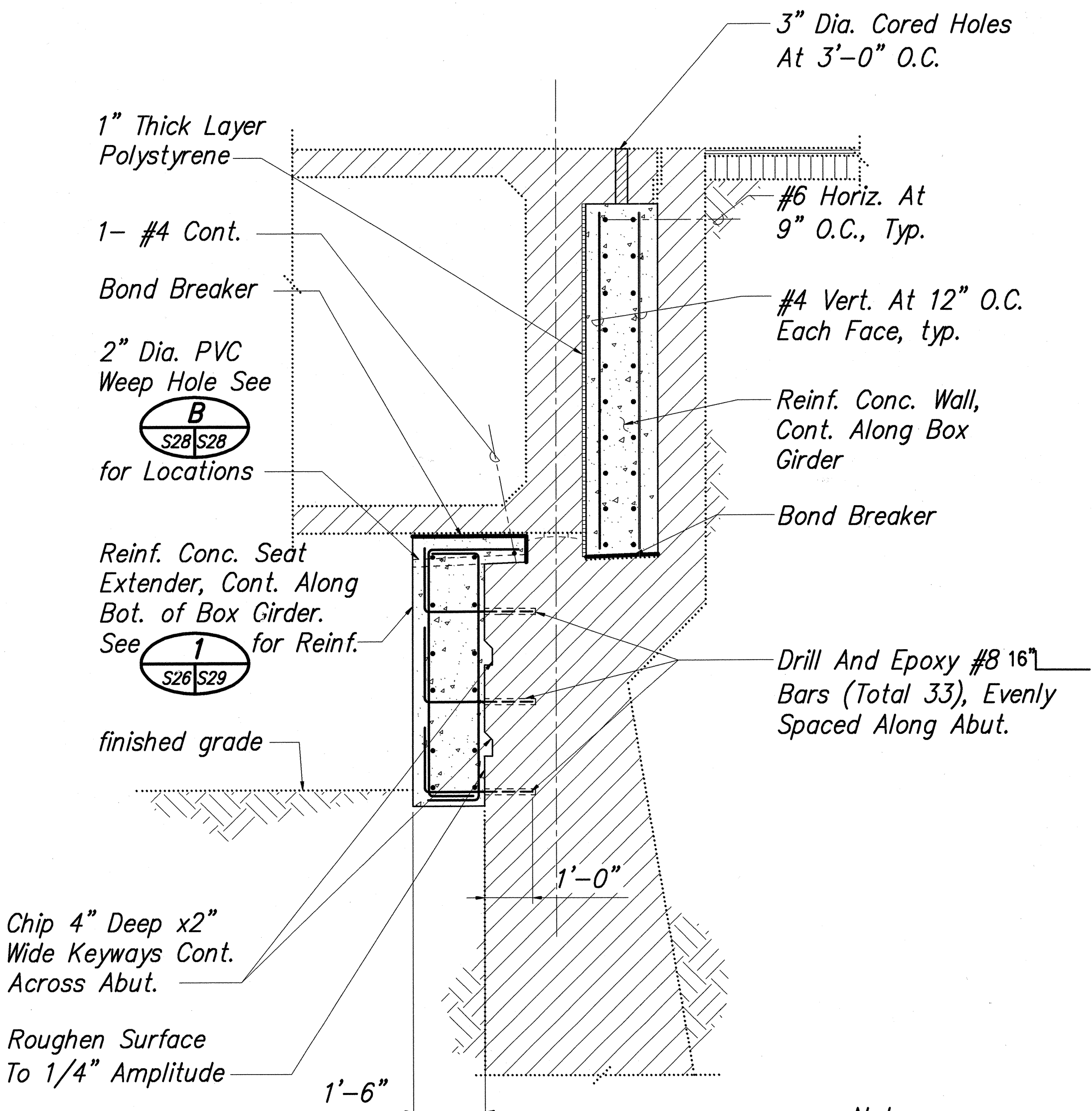
HAWAII BELT ROAD, SEISMIC RETROFIT OF VARIOUS BRIDGES,
VICINITY OF LAUPAHOEHOE
FEDERAL AID PROJECT NO. BR-019-2(44)
SCALE: AS NOTED
DATE: APRIL 1998

SHEET No. S30 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	34	61

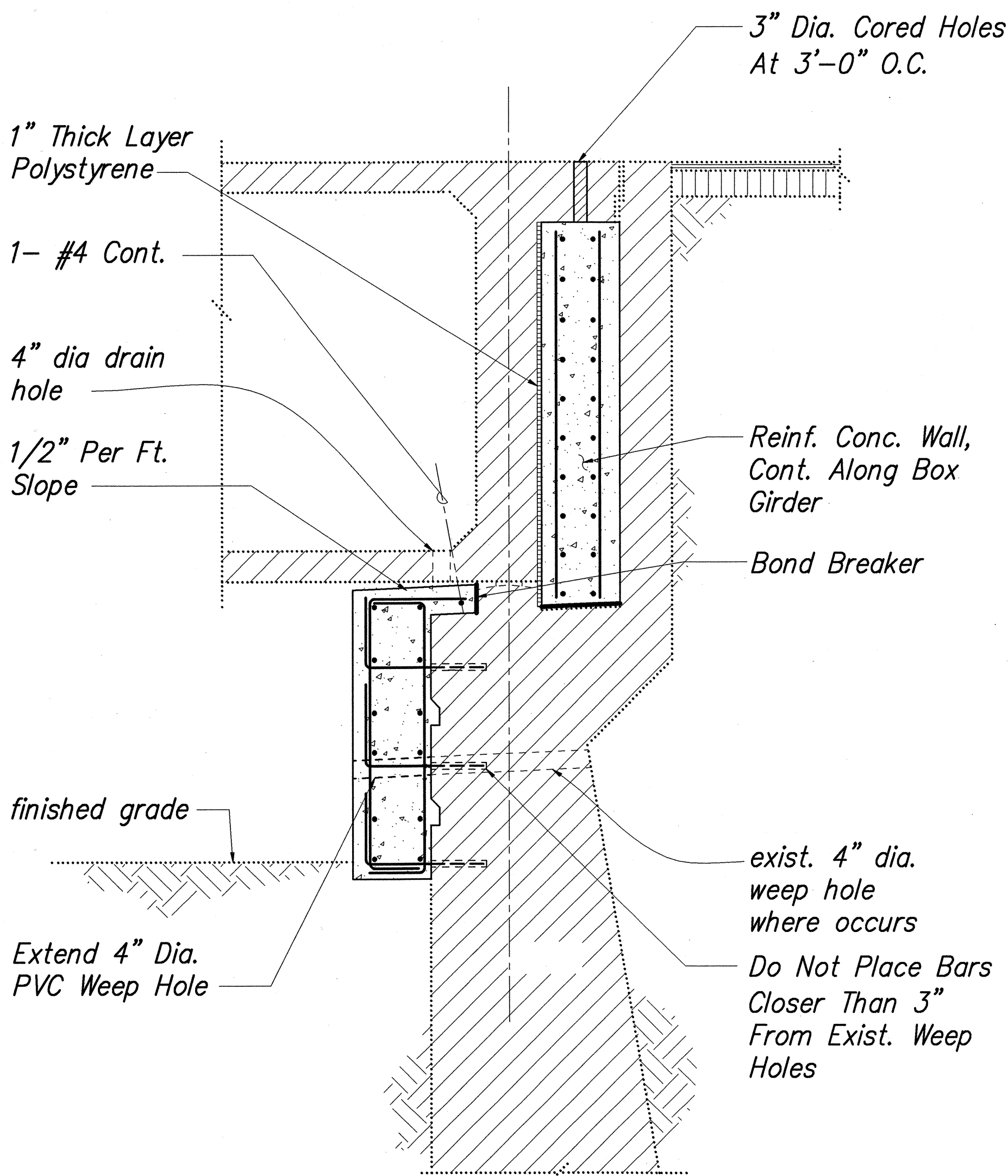


DETAIL 1
SCALE: 1/2"=1'-0" S28 S31



DETAIL 2
SCALE: 1/2"=1'-0" S31
S3, S28

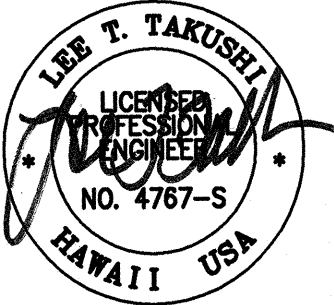
Note:
1. Items marked typical are applicable along that entire abutment.



DETAIL 3
SCALE: 1/2"=1'-0" S28 S31

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

I:\1997\9702000\DWG\DET1\97020028.DWG 05/26/98 08:52 DY



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**KIHILANI 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. S31 OF 58 SHEETS