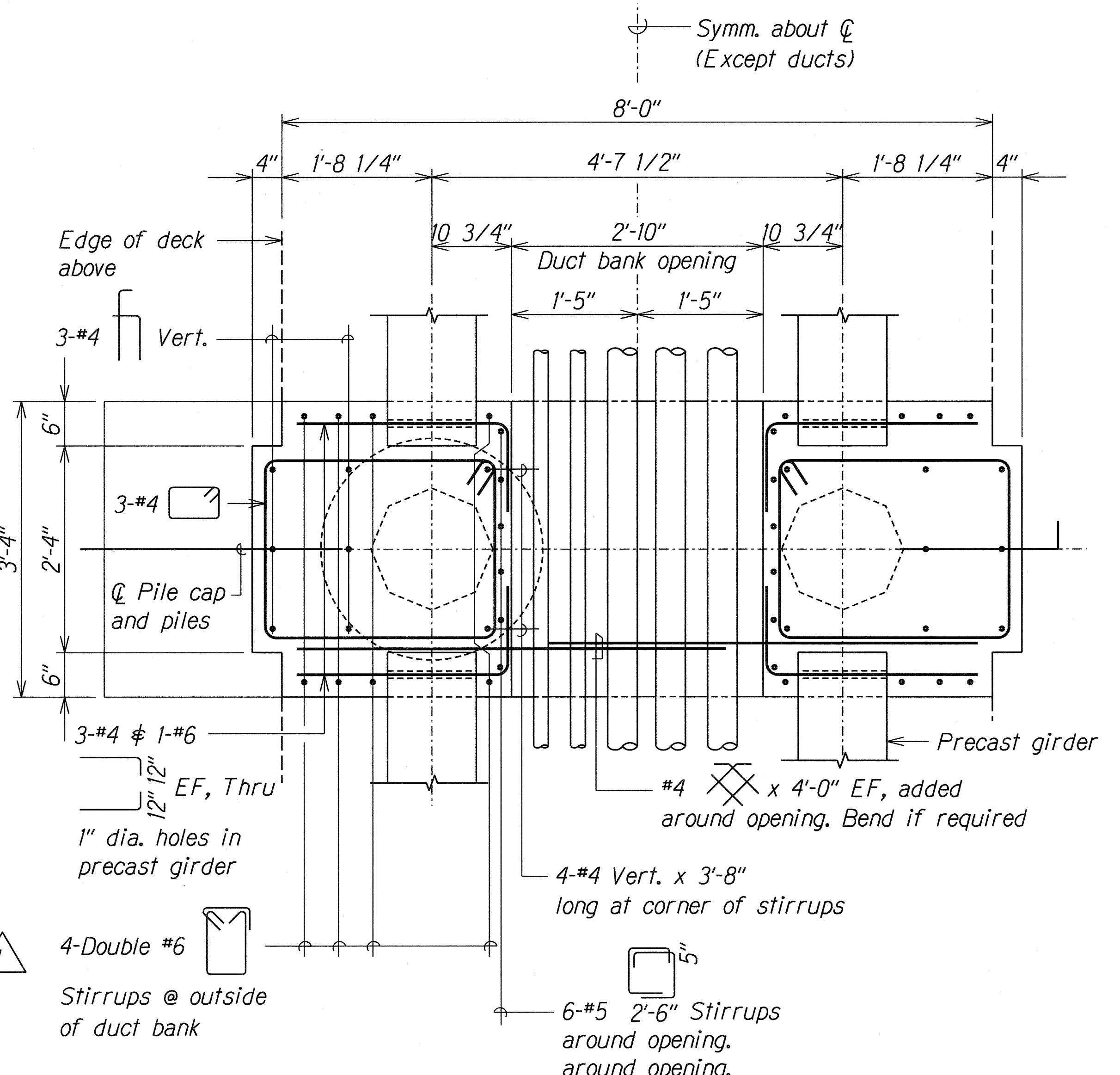
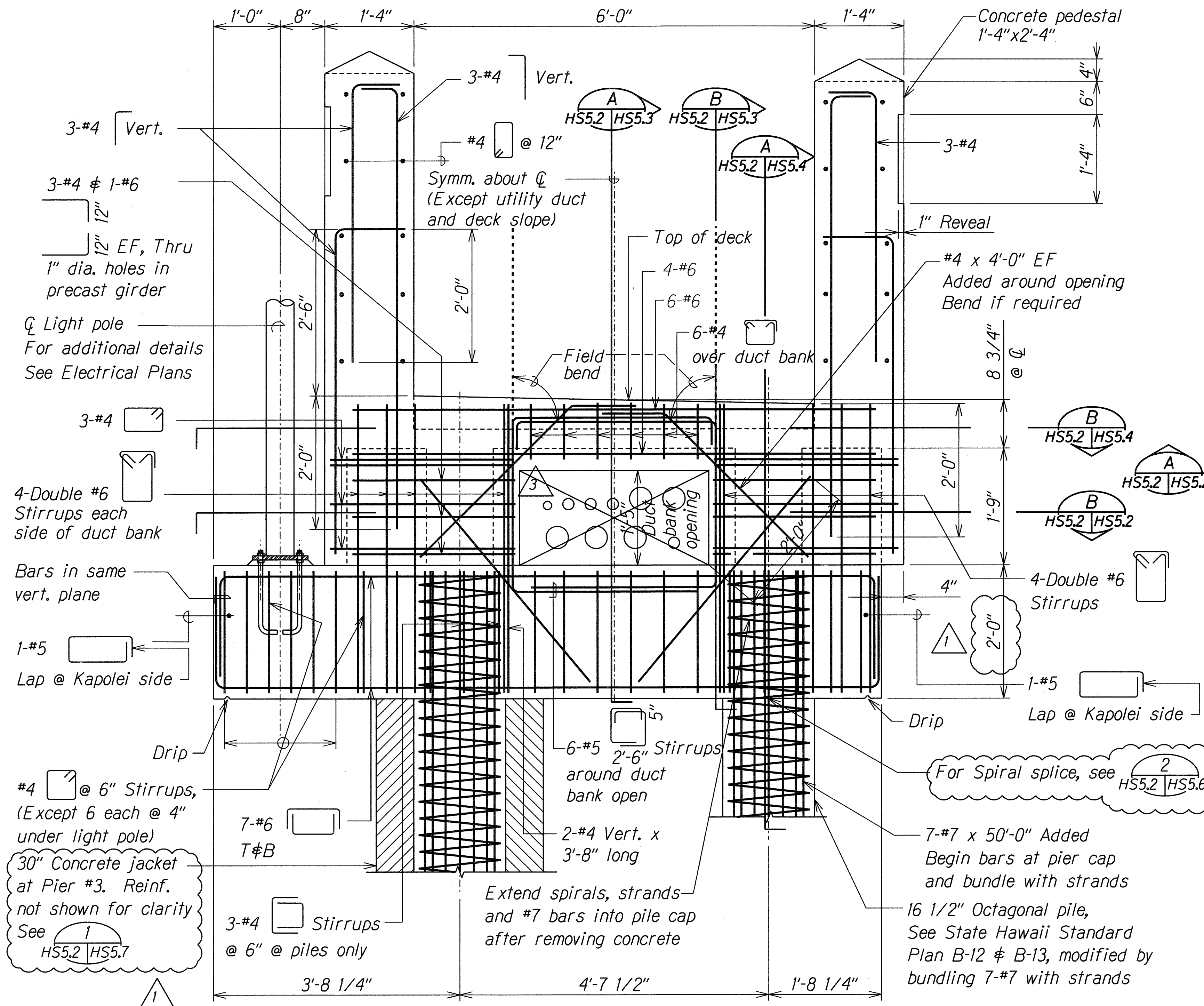




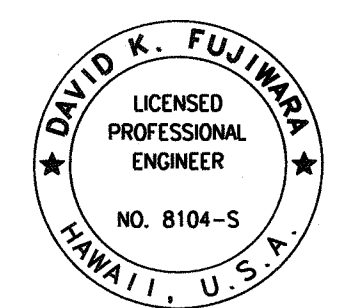
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-076-1(19)	2006	31	58





**SECTION B**  
Scale: 1" = 1'-0" HS5.2 HS5.2

**TYPICAL PIER SECTION**  
(EXCEPT AS NOTED FOR PIER #3)  
Scale: 1" = 1'-0" HS5.1 HS5.2

- Notes:**
- The duct bank opening is centered on the Q bridge and is 2'-10" long and 1'-5" deep.
  - For continuous and added bars and stirrups extended from prestressed girder into deck topping and curbs, which are not shown here, See details on sheet HS3.2 (Typ.).



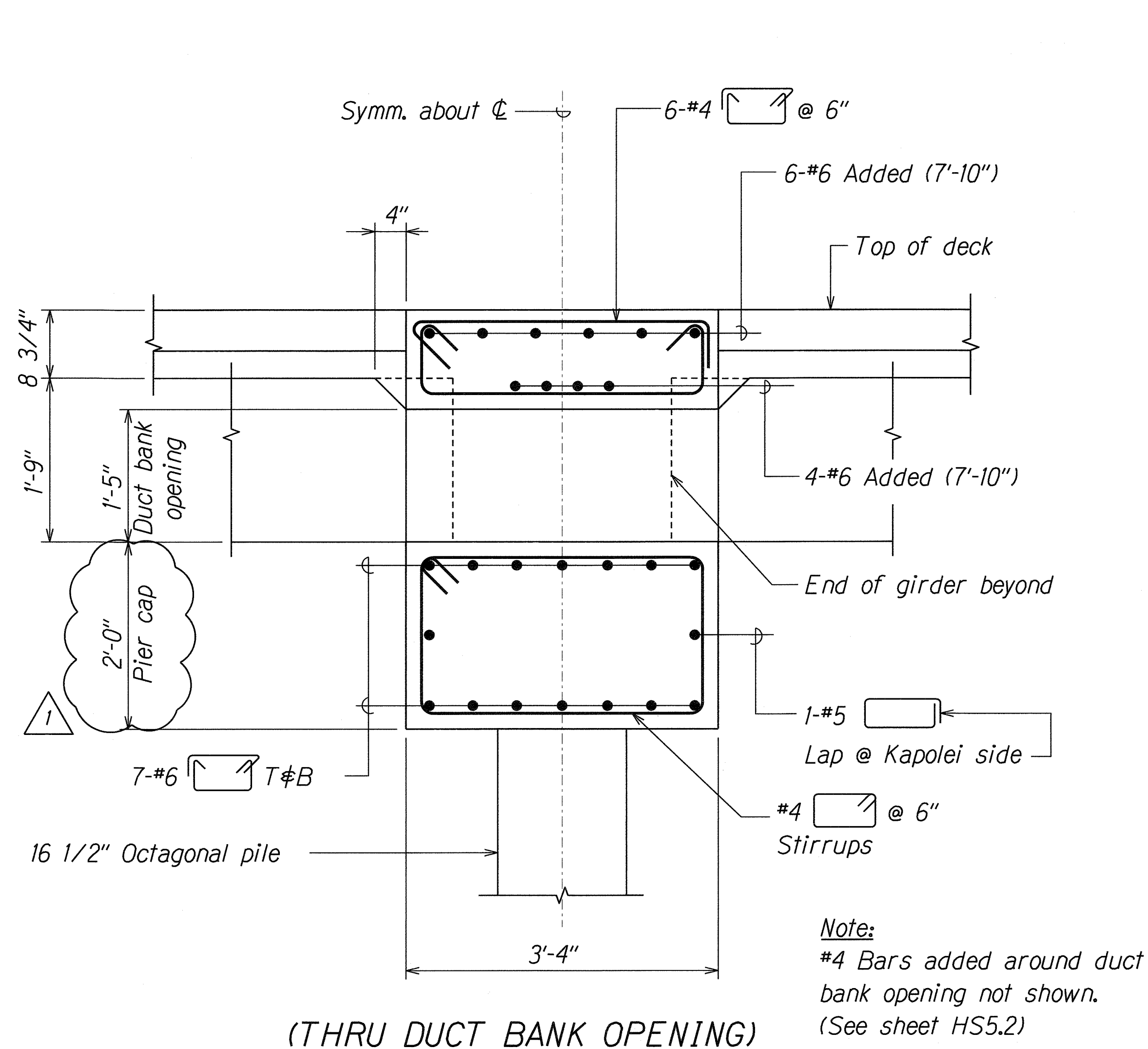
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.  
SIGNATURE: David K. Fujimura EXPIRATION DATE OF THE LICENSE: 4-30-08

9/30/09	 As Built
7/3/08	 Revise Pier Cap Depth and Add Conc. Jacket to Pearl Harbor Pile at Pier #3
DATE	REVISION

<p>STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION</p> <p><b><u>TYPICAL PIER SECTIONS</u></b></p> <p><i>Fort Weaver Road Widening Honouliuli Stream Pedestrian Bridge Vicinity of Aawa Drive to Geiger Road Federal Aid Project No. CMAQ-076-1(19)</i></p> <p>Scale: As Shown                      Date: Feb. 29, 2008</p>
<p>SHEET No. <i>HS5.2</i> OF 33 SHEETS</p>



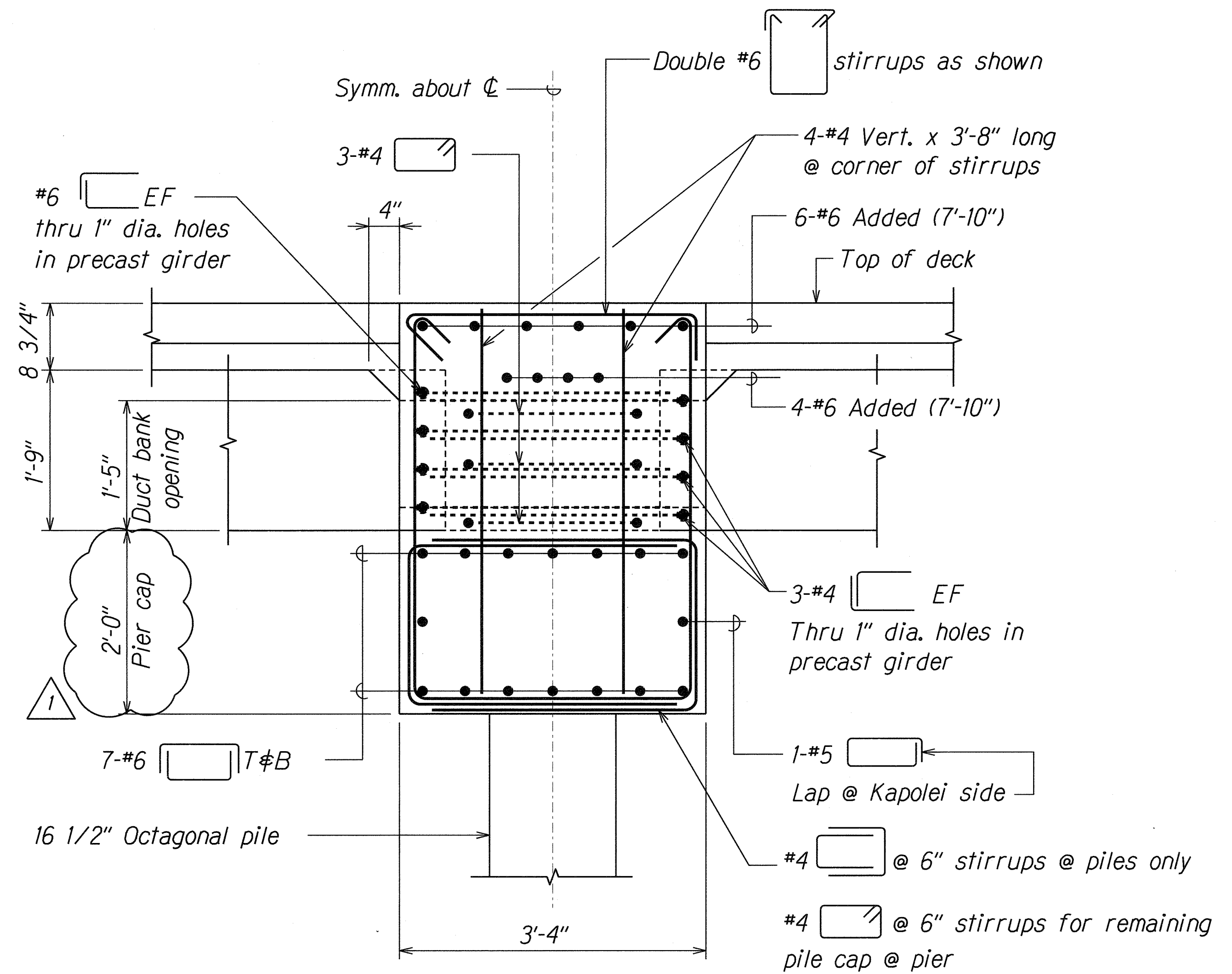
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-076-1(19)	2006	32	58



**TYPICAL PIER SECTION A**

Scale: 1" = 1'-0"

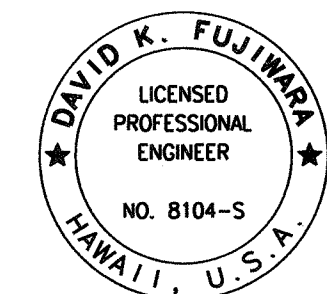
HS5.1 HS5.3  
HS5.2



**TYPICAL PIER SECTION B**



Scale: 1" = 1'-0"

HS5.1, HS5.2  
HS5.2 HS5.3



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

SIGNATURE DATE: Feb. 29, 2008

9/30/09	 As Built
7/3/08	 Revise Pier Cap Depth
DATE	REVISION

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**BRIDGE SECTION**

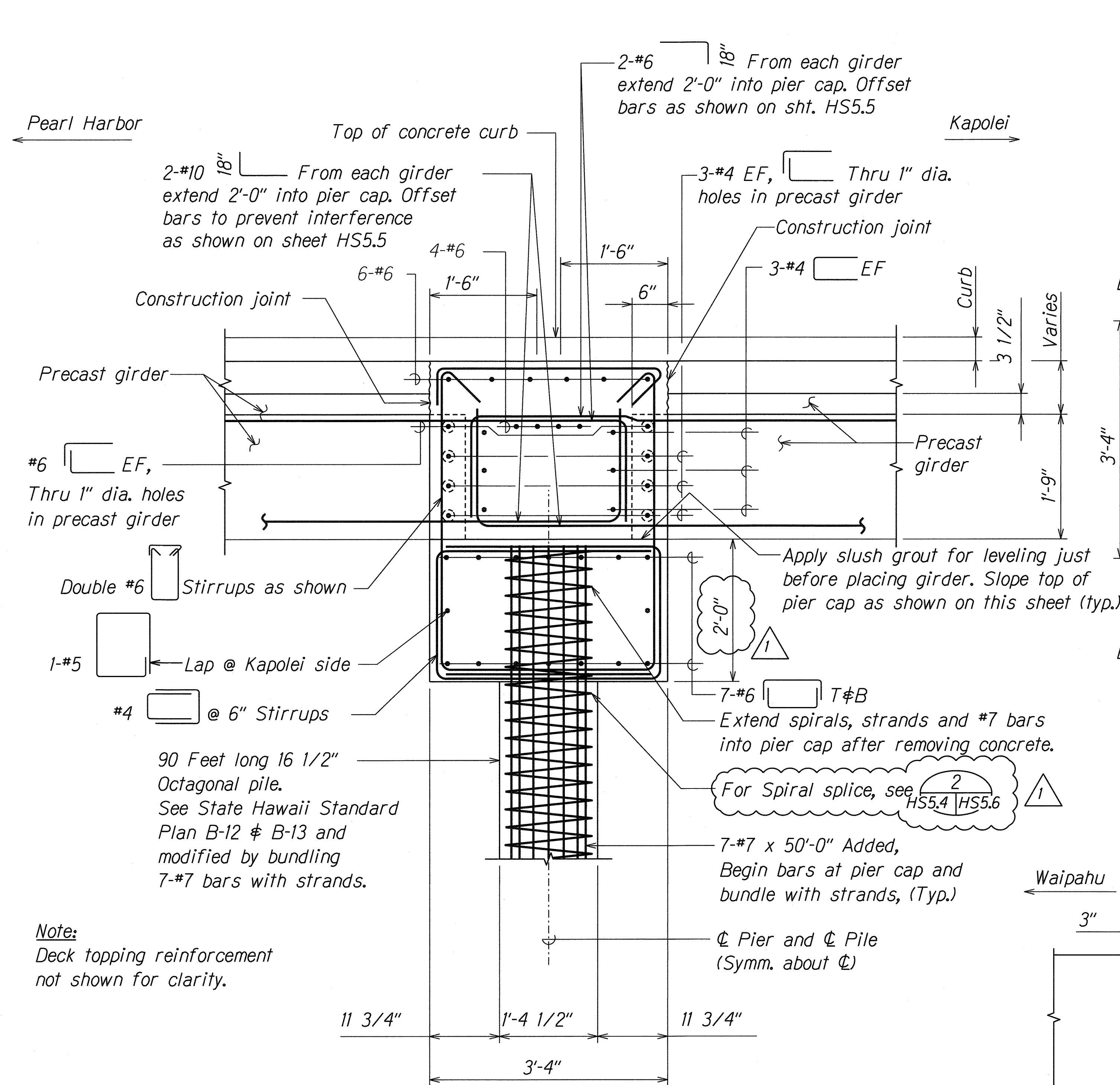
*Fort Weaver Road Widening*  
*Honouliuli Stream Pedestrian Bridge*  
*Vicinity of Aawa Drive to Geiger Road*  
*Federal Aid Project No. CMAQ-076-1(19)*

Scale: As Shown      Date: Feb. 29, 2008

SHEET No. **HS5.3** OF **33** SHEETS

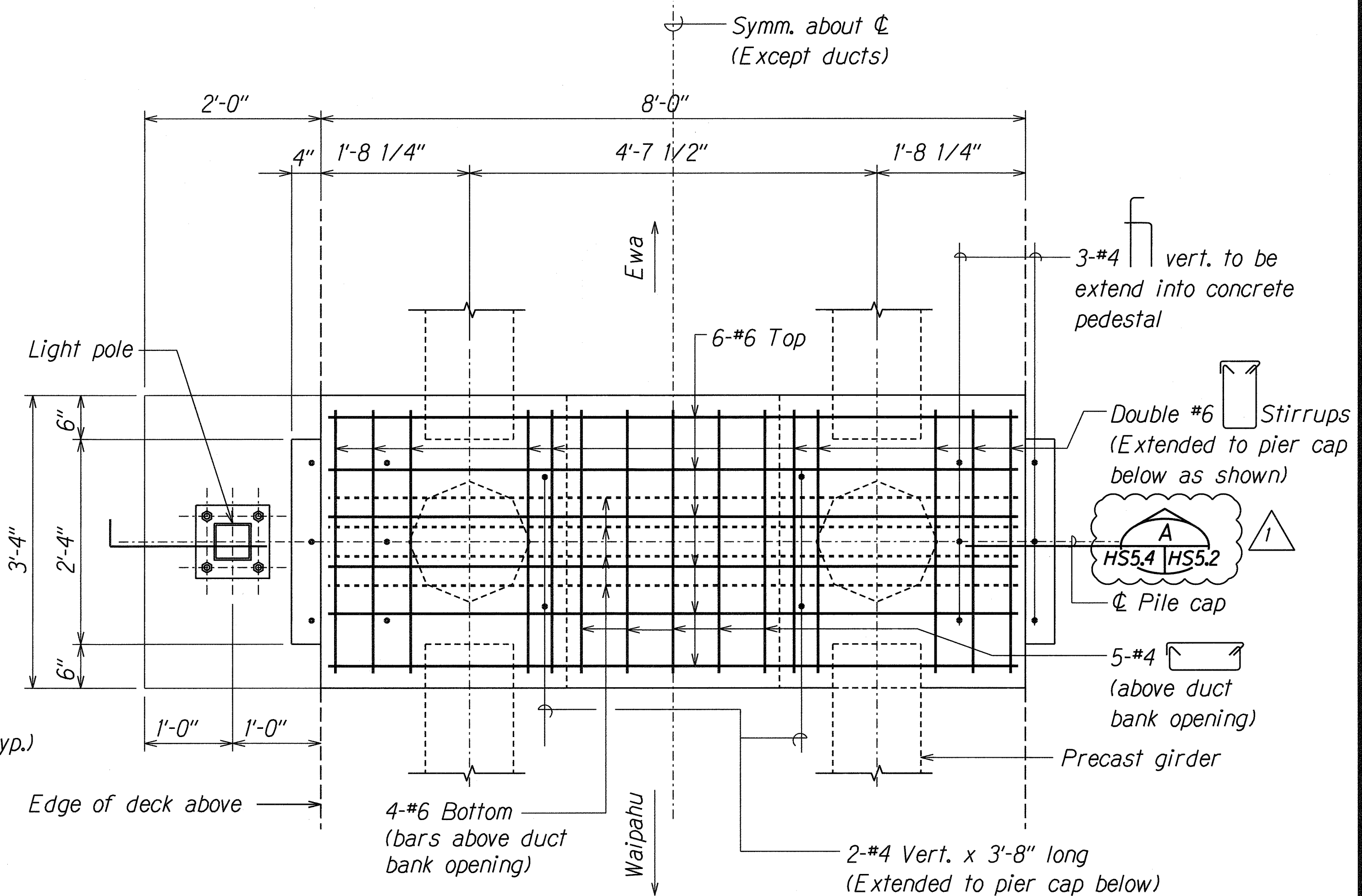
AS-BUILT

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-076-1(19)	2006	33	58



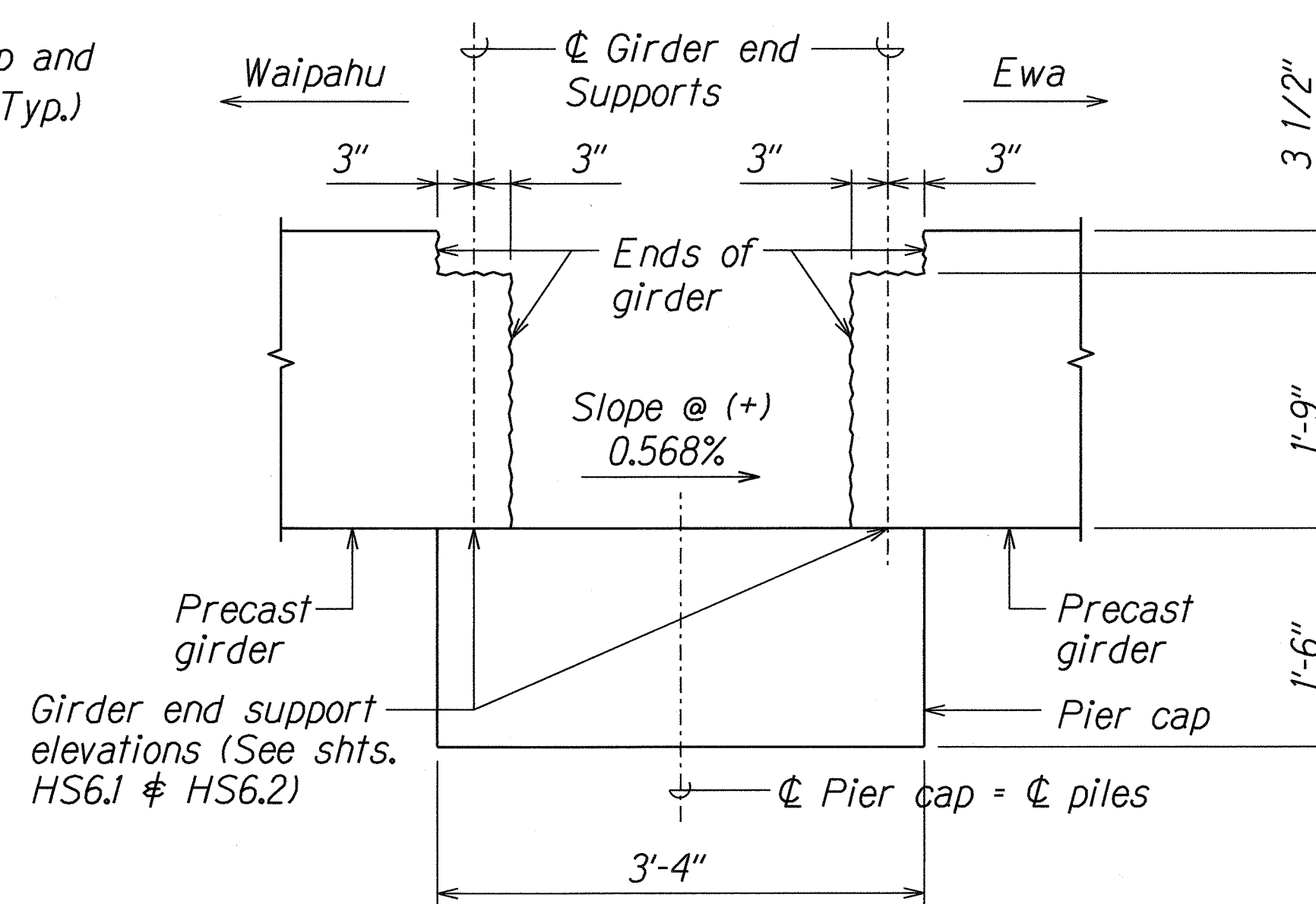
**TYPICAL PIER SECTION ALONG CL GIRDER**  
Scale: 1" = 1'-0"  
HS5.1, HS5.2

Note:  
See sheet HS3.1 for deck framing plan and sheet HS3.2 for typical deck section.

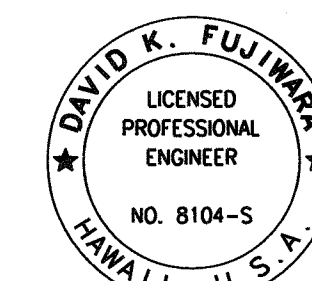


**TYPICAL DECK TOPPING REINFORCEMENT AT PIER CAP**  
Scale: 1" = 1'-0"  
HS5.2 | HS5.4



Note:  
For continuous and added bars and stirrups extended from the precast girder webs to the deck, which are not shown here, See details on sheet HS3.2



**TOP OF PIER CAP - SLOPE DETAILS**  
Scale: 1" = 1'-0"



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.  
Signature: David K. Fujimura  
Date: Feb. 29, 2008

9/30/09	 As Built
7/3/08	 Revise Pier Cap Depth, Revise Section Mark
DATE	REVISION

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

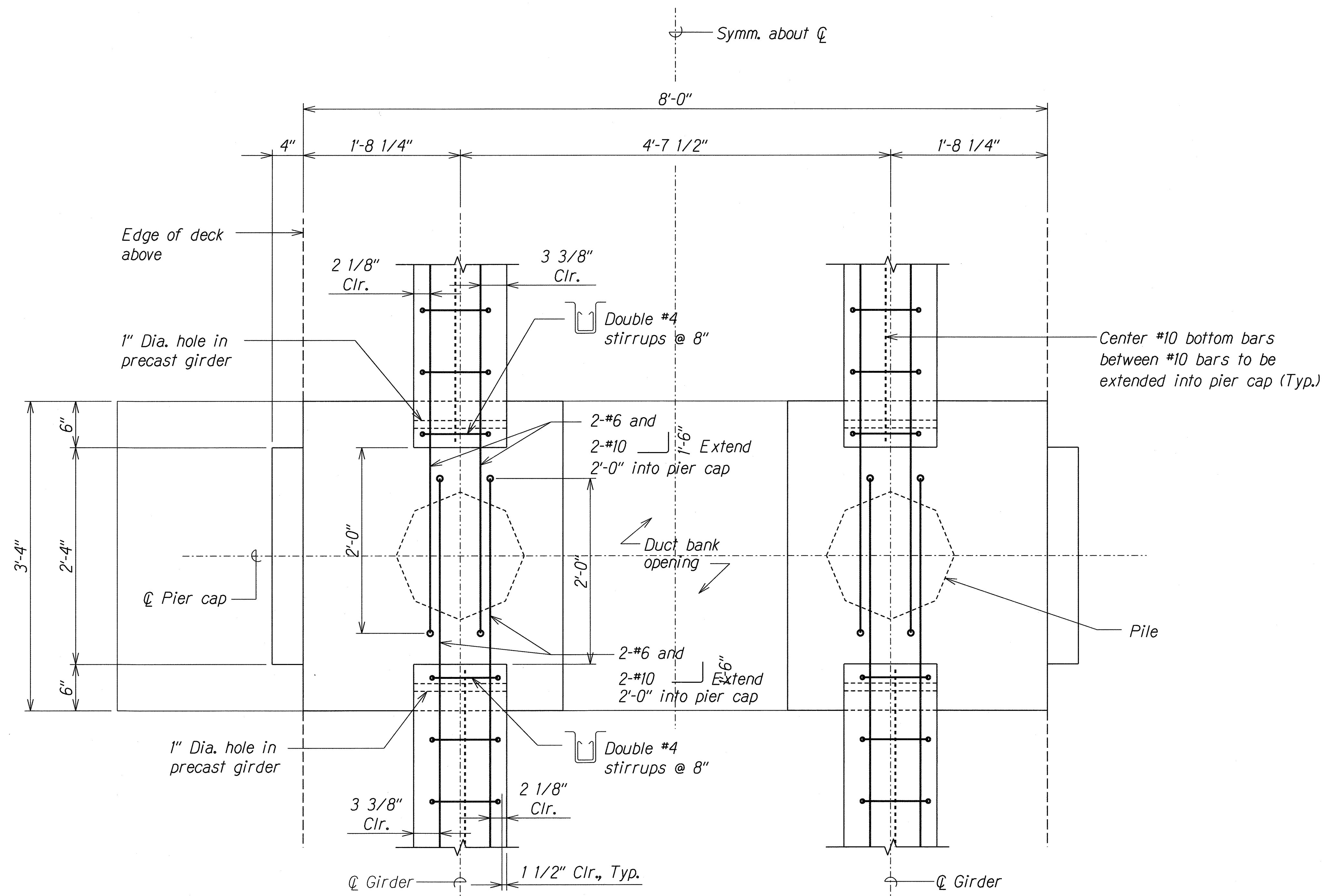
**TYPICAL PIER SECTION AND DECK**  
**TOPPING REINFORCEMENT AT PIER CAP**

Fort Weaver Road Widening  
Honouliuli Stream Pedestrian Bridge  
Vicinity of Aawa Drive to Geiger Road  
Federal Aid Project No. CMAQ-076-1(19)

Scale: As Shown      Date: Feb. 29, 2008

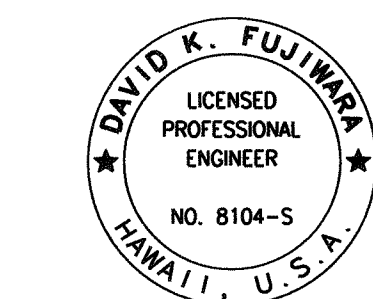
SHEET No. *HS5.4* OF **33** SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-076-1(19)	2006	34	58



REBAR EXTENSION FROM  
PRECAST GIRDERS INTO PIER CAP A  
Scale: 1 1/2" = 1'-0" HS5.5 HS5.5

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



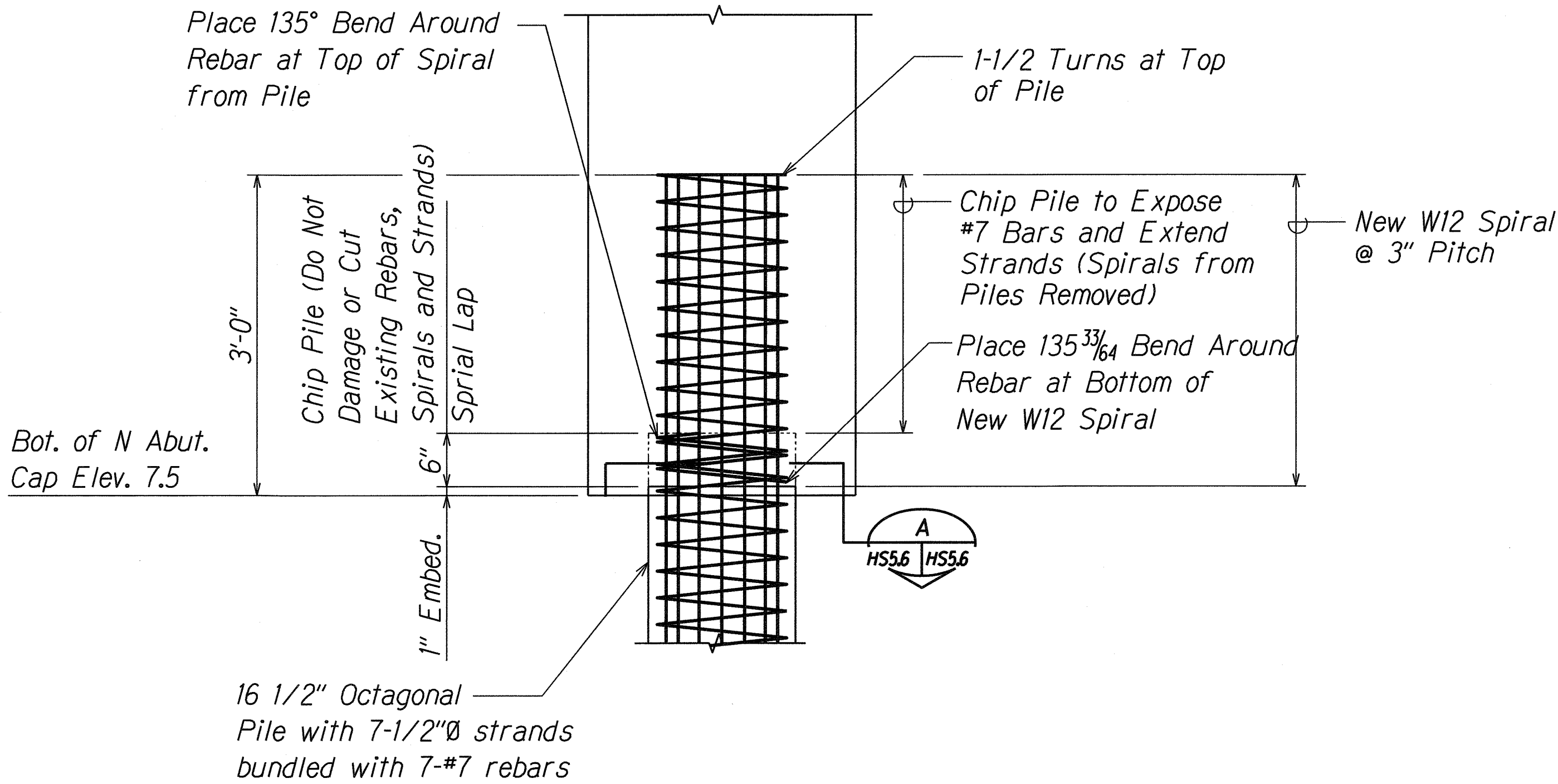
THIS WORK WAS PREPARED BY  
ME OR UNDER MY SUPERVISION.  
*David K. Fujimura*  
SIGNATURE EXPIRATION DATE OF THE LICENSE 4-30-08

9/30/09	3 As Built
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION <b>REBAR EXTENSION FROM PRECAST GIRDERS INTO PIER CAP</b> <i>Fort Weaver Road Widening Honouliuli Stream Pedestrian Bridge Vicinity of Aawa Drive to Geiger Road Federal Aid Project No. CMAQ-076-1(19)</i> Scale: As Shown Date: Feb. 29, 2008	
SHEET No. HS5.5 OF 33 SHEETS	

AS-BUILT

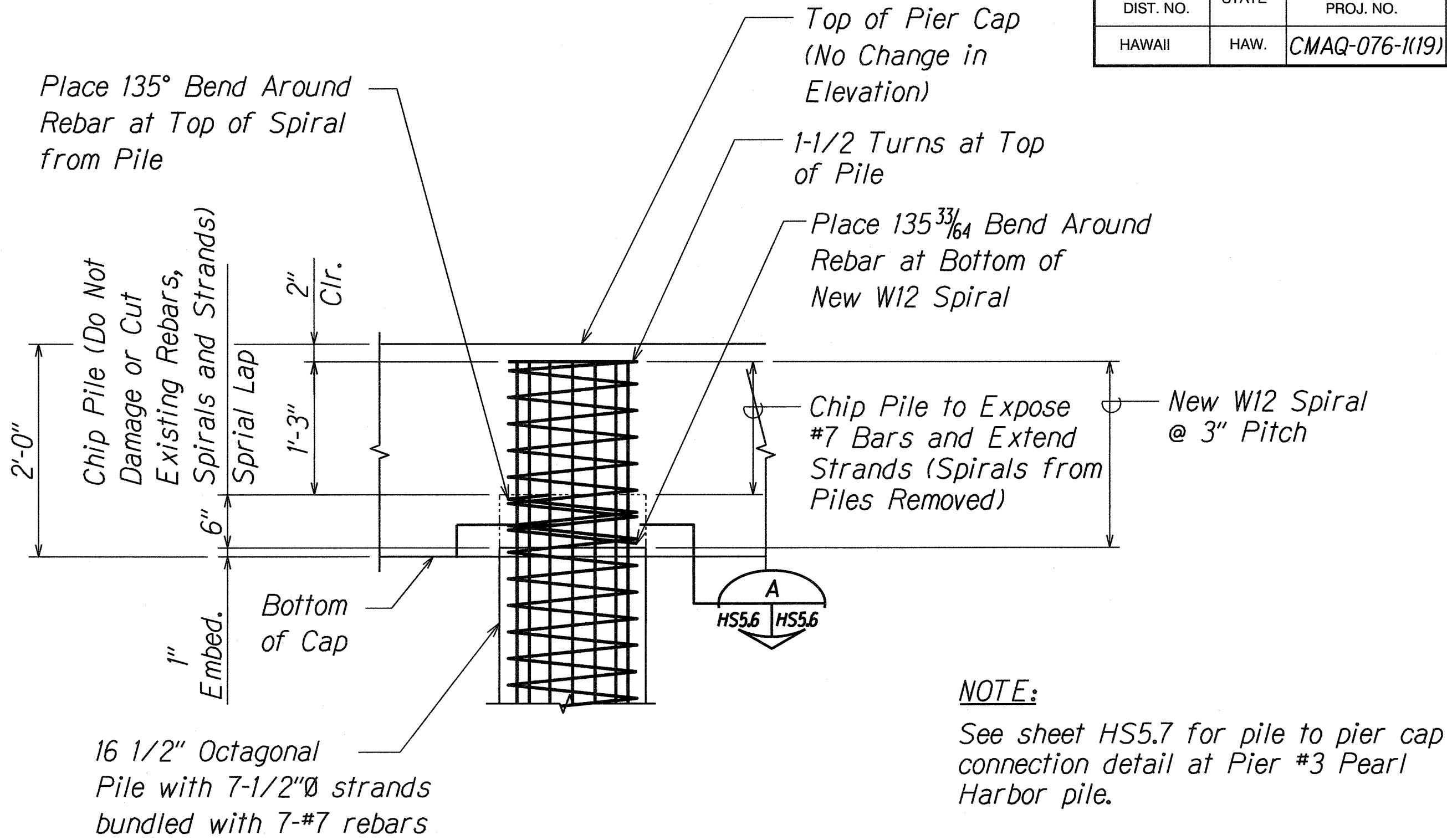
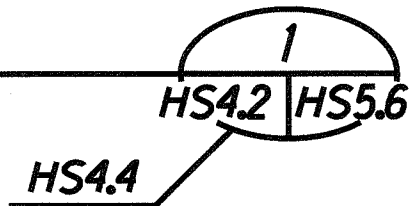


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-076-1(19)	2006	34S-1	58



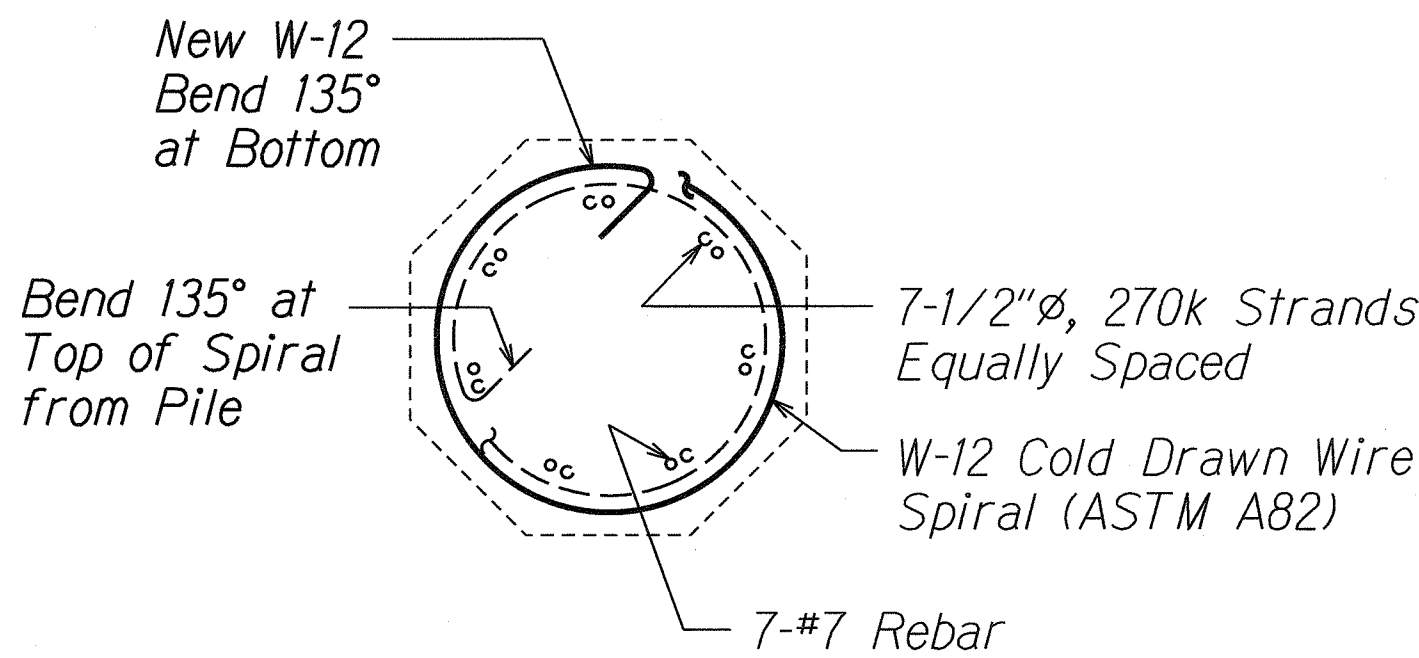
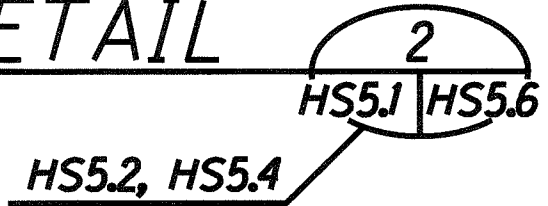
PILE TO NORTH ABUTMENT CAP  
CONNECTION DETAIL

Scale: 1" = 1'-0"



PILE TO PIER CAP CONNECTION DETAIL

Scale: 1" = 1'-0"

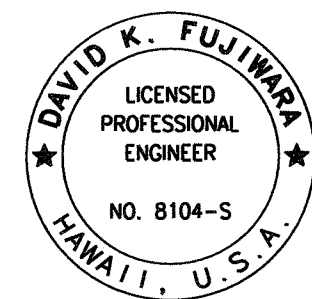


SPIRAL SPLICE DETAIL

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



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



THIS WORK WAS PREPARED BY  
ME OR UNDER MY SUPERVISION.

Signature: David K. Fujiwara  
EXPIRATION DATE OF THE LICENSE: 4-30-08

9/30/09	<div><div>3</div></div> As Built
7/3/08	<div><div>1</div></div> New Sheet
DATE	REVISION

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

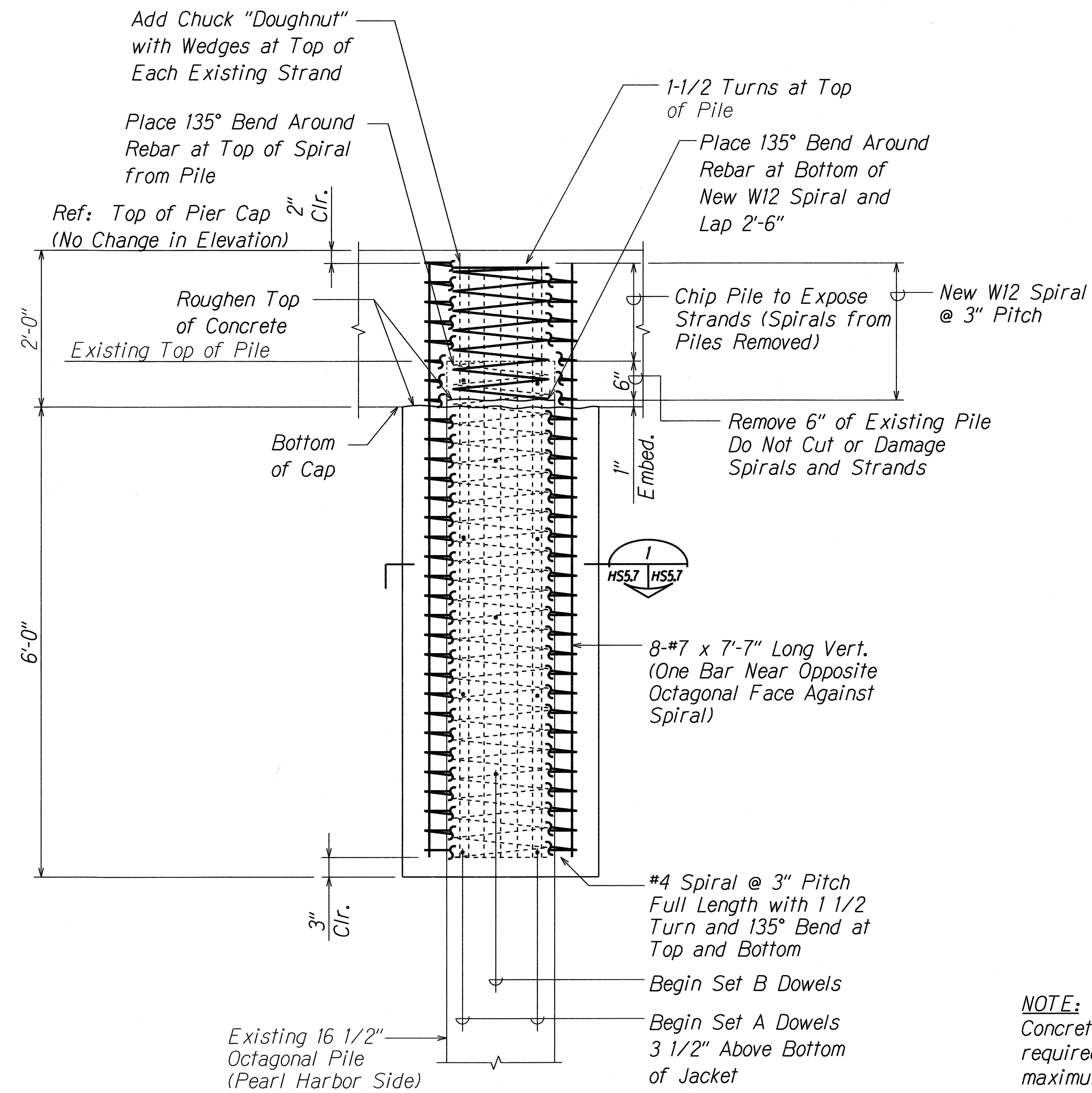
PILE TO CAP CONNECTION DETAILS

Fort Weaver Road Widening  
Honouliuli Stream Pedestrian Bridge  
Vicinity of Aawa Drive to Geiger Road  
Federal Aid Project No. CMAQ-076-1(19)

Scale: As Shown      Date: Feb. 29, 2008

SHEET No. HS5.6 OF 33 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-076-1(19)	2006	34S-2	58



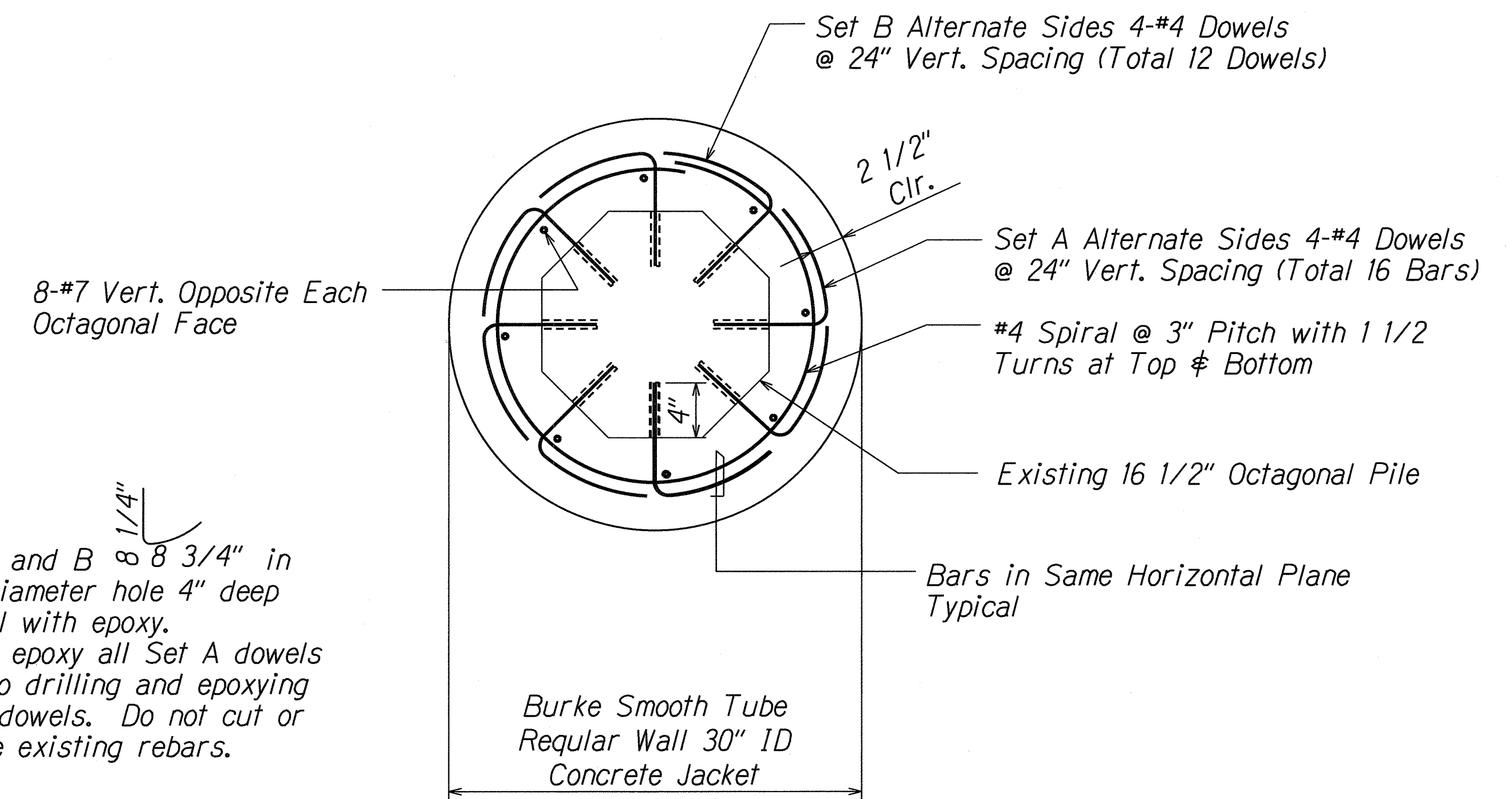
**CONCRETE JACKET OF PEARL HARBOR PILE AT PIER #3 TO CAP DETAIL**

Scale: 1" = 1'-0"

HS5.7

**NOTE:**

Sets A and B 8 3/4" in 5/8" diameter hole 4" deep and fill with epoxy. Drill & epoxy all Set A dowels prior to drilling and epoxying Set B dowels. Do not cut or damage existing rebars.



**SPIRAL AND DOWEL DETAIL**

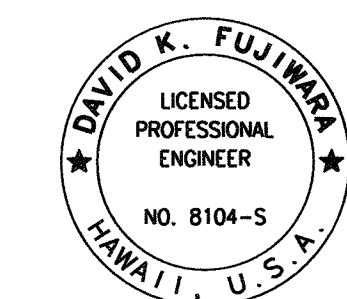
Scale: 1 1/2" = 1'-0"

HS5.7

**NOTE:**

Concrete for 2'-6" jacket shall be same as required for pile cap except that the maximum W/C ratio shall be 0.40. (f'c = 6ksi with Tetraguard AS20 and CORTEC MCI-2005 NS.

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



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Signature: David K. Fujimura 4-30-08

EXPIRATION DATE OF THE LICENSE

9/30/09	3 As Built
7/3/08	1 New Sheet
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION <b>PIER #3 CONCRETE JACKET AT PEARL HARBOR PILE</b> Fort Weaver Road Widening Honouliuli Stream Pedestrian Bridge Vicinity of Aawa Drive to Geiger Road Federal Aid Project No. CMAQ-076-1(19) Scale: As Shown Date: Feb. 29, 2008	
SHEET No. HS5.7 OF 33 SHEETS	