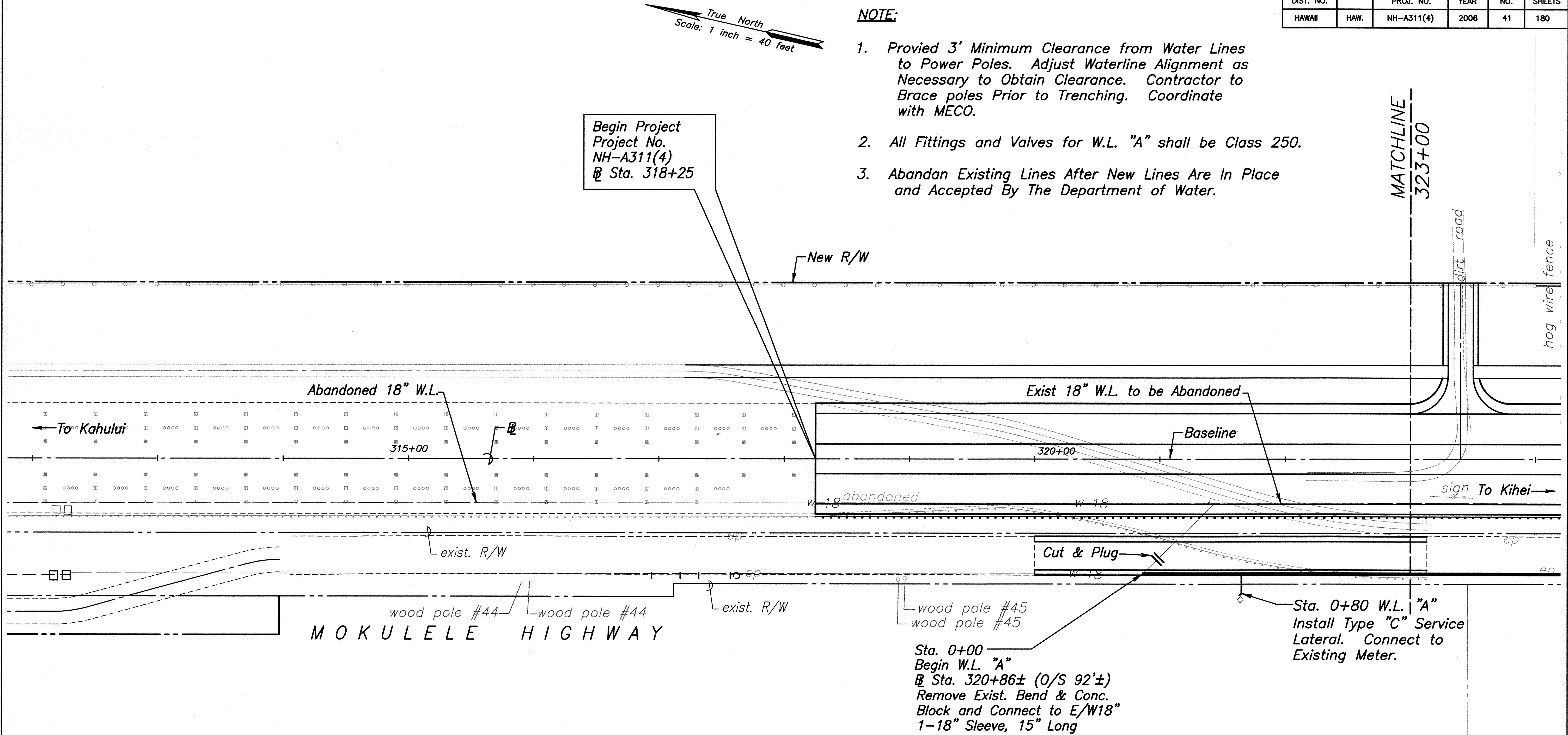


FED. ROAD DIST. NO.	STATE	FEDERAL - AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-A311(4)	2006	41	180

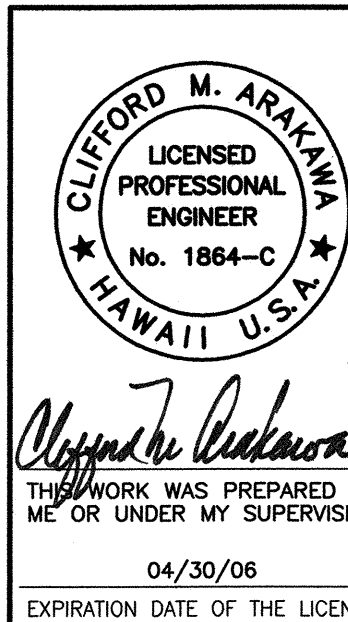
NOTE:

1. Provied 3' Minimum Clearance from Water Lines to Power Poles. Adjust Waterline Alignment as Necessary to Obtain Clearance. Contractor to Brace poles Prior to Trenching. Coordinate with MECO.
2. All Fittings and Valves for W.L. "A" shall be Class 250.
3. Abandan Existing Lines After New Lines Are In Place and Accepted By The Department of Water.

Begin Project
Project No.
NH-A311(4)
@ Sta. 318+25



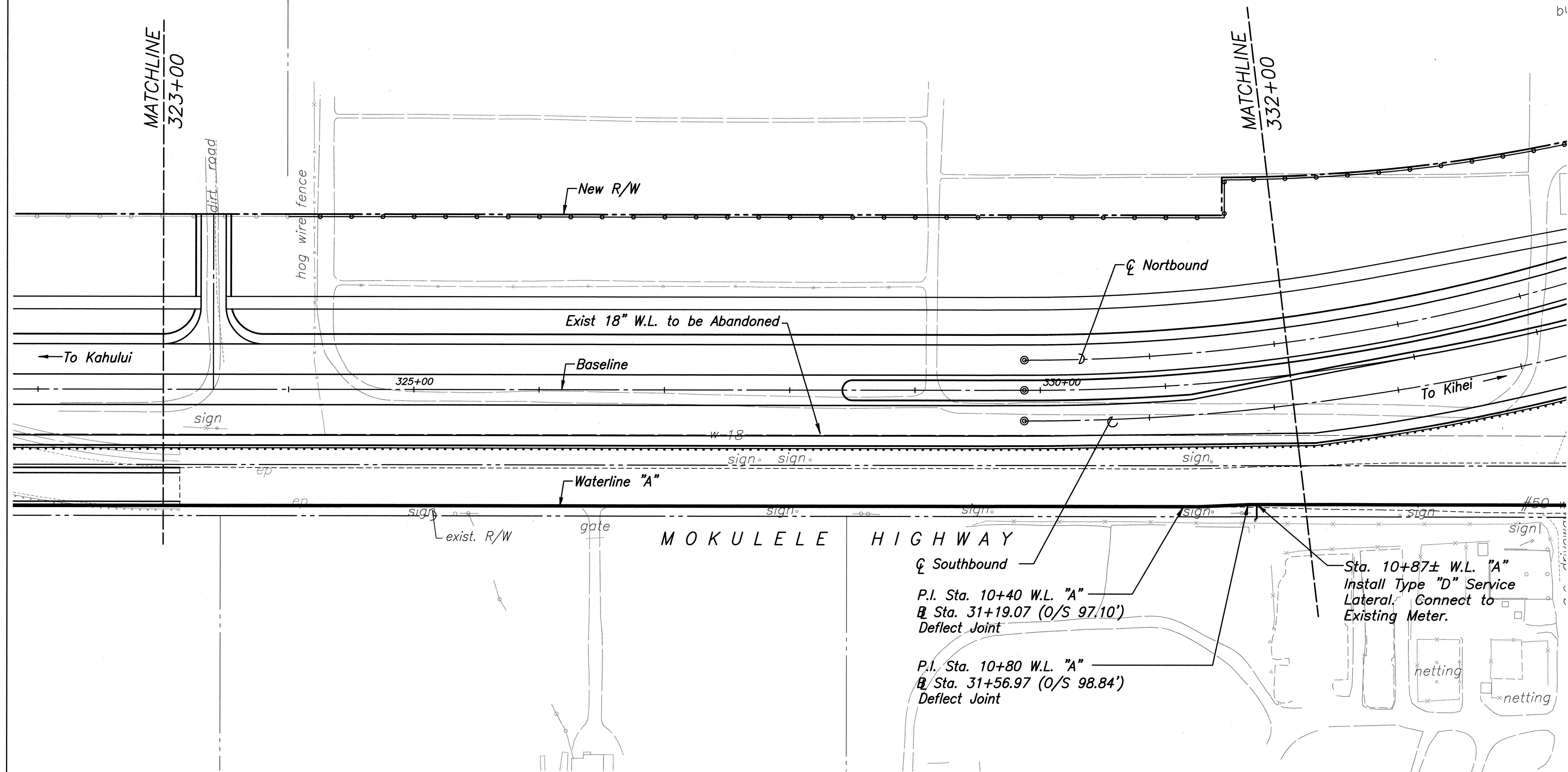
ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NO. 1	DESIGNED BY	
NO. 2	TRACED BY	
NO. 3	DESIGNED BY	
NO. 4	TRACED BY	
NO. 5	DESIGNED BY	
NO. 6	TRACED BY	
NO. 7	DESIGNED BY	
NO. 8	TRACED BY	
NO. 9	DESIGNED BY	
NO. 10	TRACED BY	



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
UTILITY PLAN
MOKULELE HIGHWAY WIDENING
Vicinity of Kealia Pond Driveway
To
Piilani Highway
Federal - Aid Project No. NH-A311(4)
Scale: 1"=40' Date: July 2005
SHEET No. 1 OF 8 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL - AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-A311(4)	2006	42	180

True North
Scale: 1 inch = 40 feet



MOKULELE HIGHWAY

C Southbound
 P.I. Sta. 10+40 W.L. "A"
 B Sta. 31+19.07 (O/S 97.10')
 Deflect Joint

 P.I. Sta. 10+80 W.L. "A"
 B Sta. 31+56.97 (O/S 98.84')
 Deflect Joint

Sta. 10+87± W.L. "A"
 Install Type "D" Service
 Lateral. Connect to
 Existing Meter.

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

THE WORK WAS PREPARED BY
 ME OR UNDER MY SUPERVISION
 04/30/06
 EXPIRATION DATE OF THE LICENSE

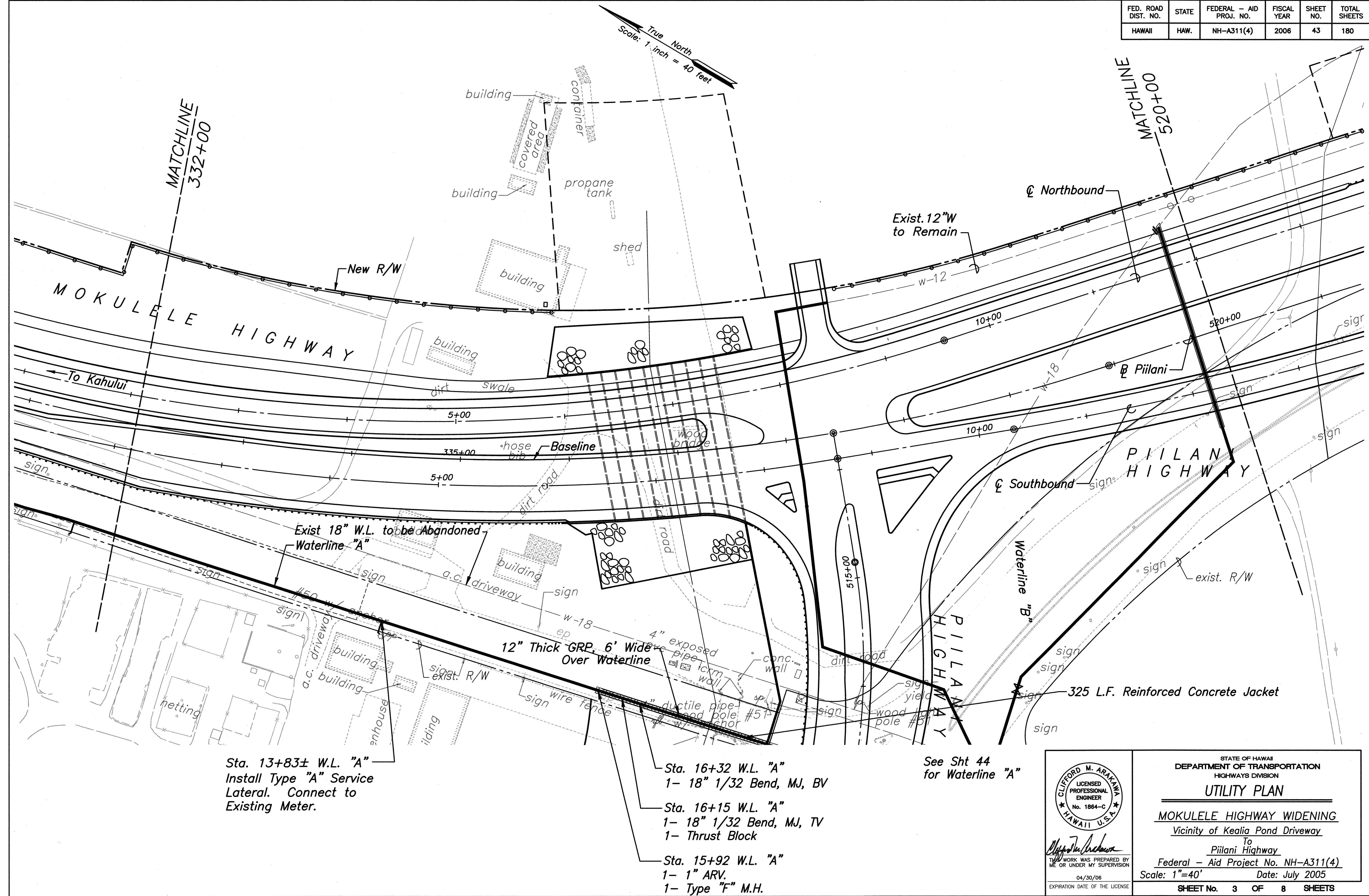
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

UTILITY PLAN

MOKULELE HIGHWAY WIDENING
Vicinity of Kealia Pond Driveway
To
Piilani Highway
Federal - Aid Project No. NH-A311(4)
Scale: 1"=40' Date: July 2005

SHEET No. 2 OF 8 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL - AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-A311(4)	2006	43	180



ORIGINAL PLAN	DATE
DESIGNED BY	
TRACED BY	
NOTED BY	
CHECKED BY	
NO.	

PROJ. NO.: M9901.00
 3/13/05
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CLIFFORD M. ARAKAWA
 LICENSED PROFESSIONAL ENGINEER
 No. 1884-C
 HAWAII, U.S.A.

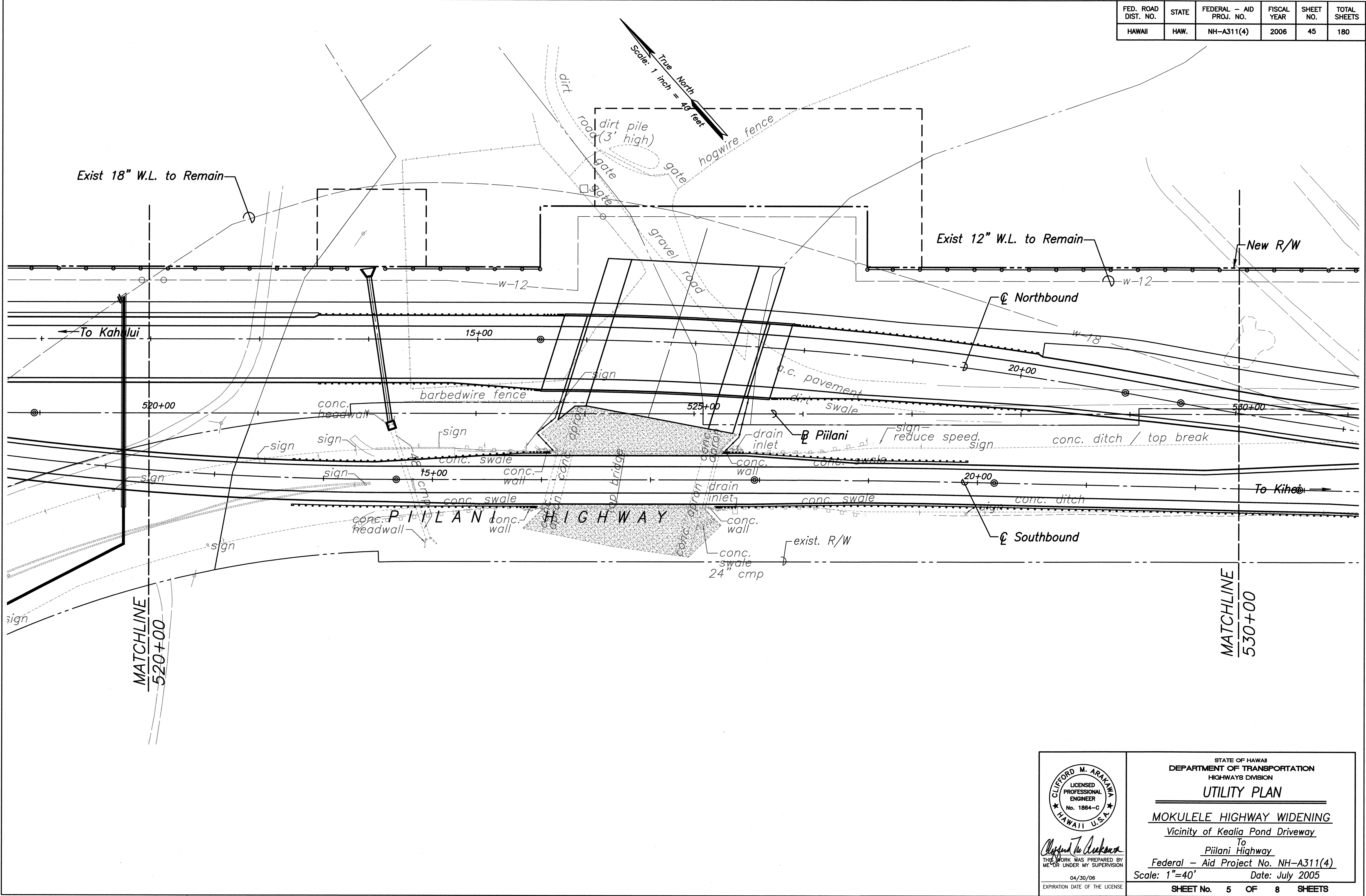
STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

UTILITY PLAN

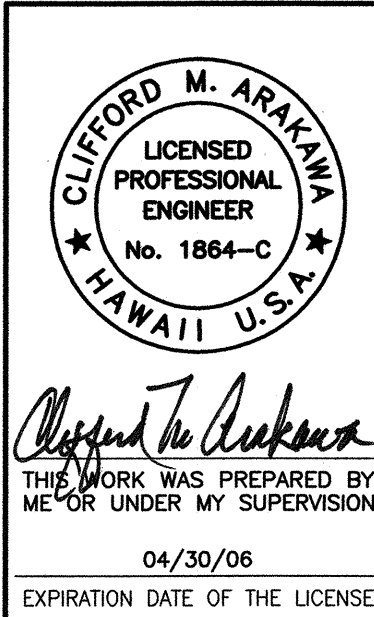
MOKULELE HIGHWAY WIDENING
 Vicinity of Kealia Pond Driveway
 To
 Piilani Highway
 Federal - Aid Project No. NH-A311(4)
 Scale: 1"=40' Date: July 2005

SHEET No. 3 OF 8 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL - AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-A311(4)	2006	45	180



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



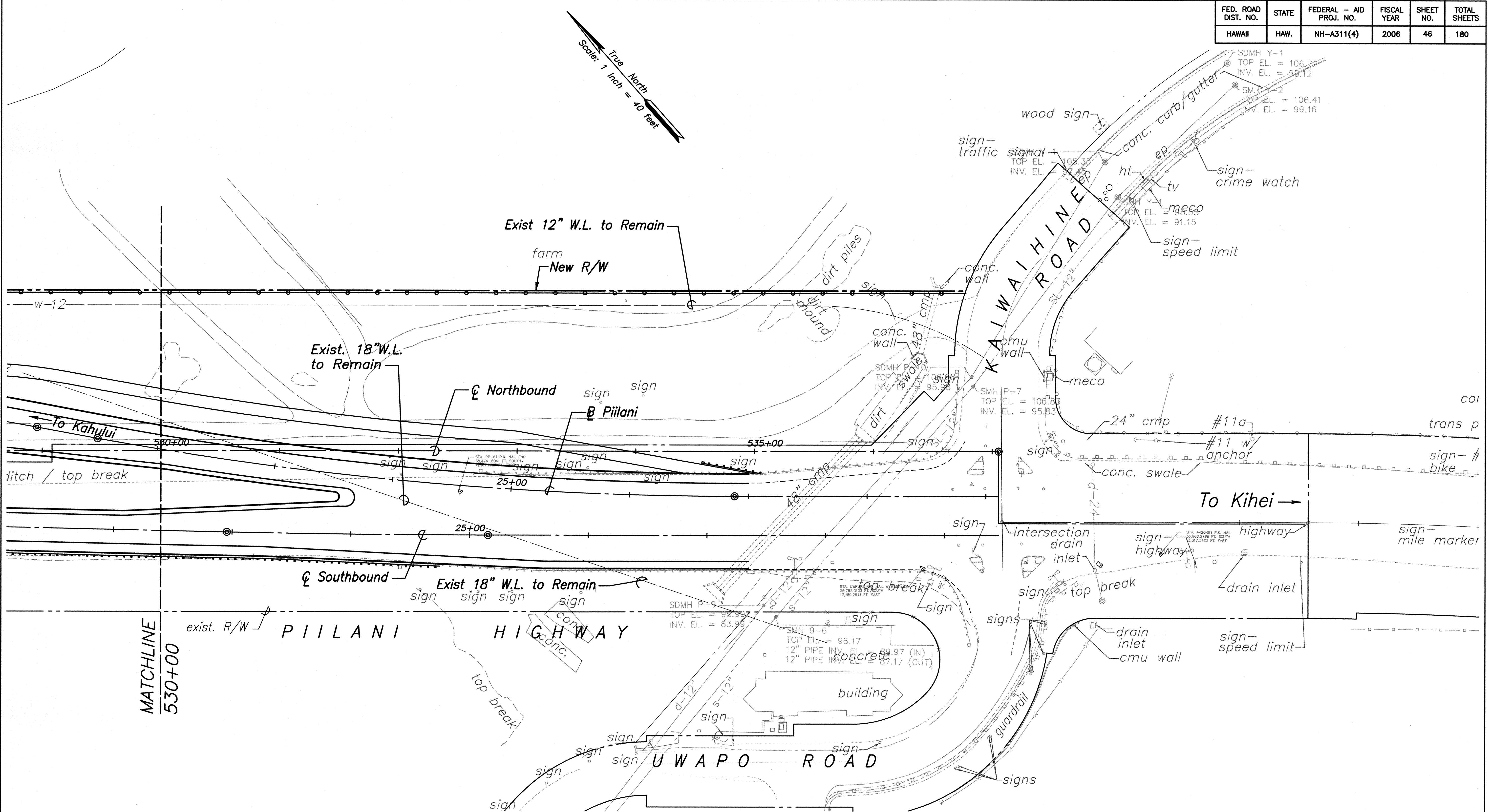
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

UTILITY PLAN

MOKULELE HIGHWAY WIDENING
Vicinity of Kealia Pond Driveway
To
Piilani Highway
Federal - Aid Project No. NH-A311(4)
Scale: 1"=40' Date: July 2005

SHEET No. 5 OF 8 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL - AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-A311(4)	2006	46	180



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

CLIFFORD M. ARAHANA
LICENSED PROFESSIONAL ENGINEER
No. 1864-C
HAWAII U.S.A.

Clifford M. Arahana

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

04/30/06
EXPIRATION DATE OF THE LICENSE

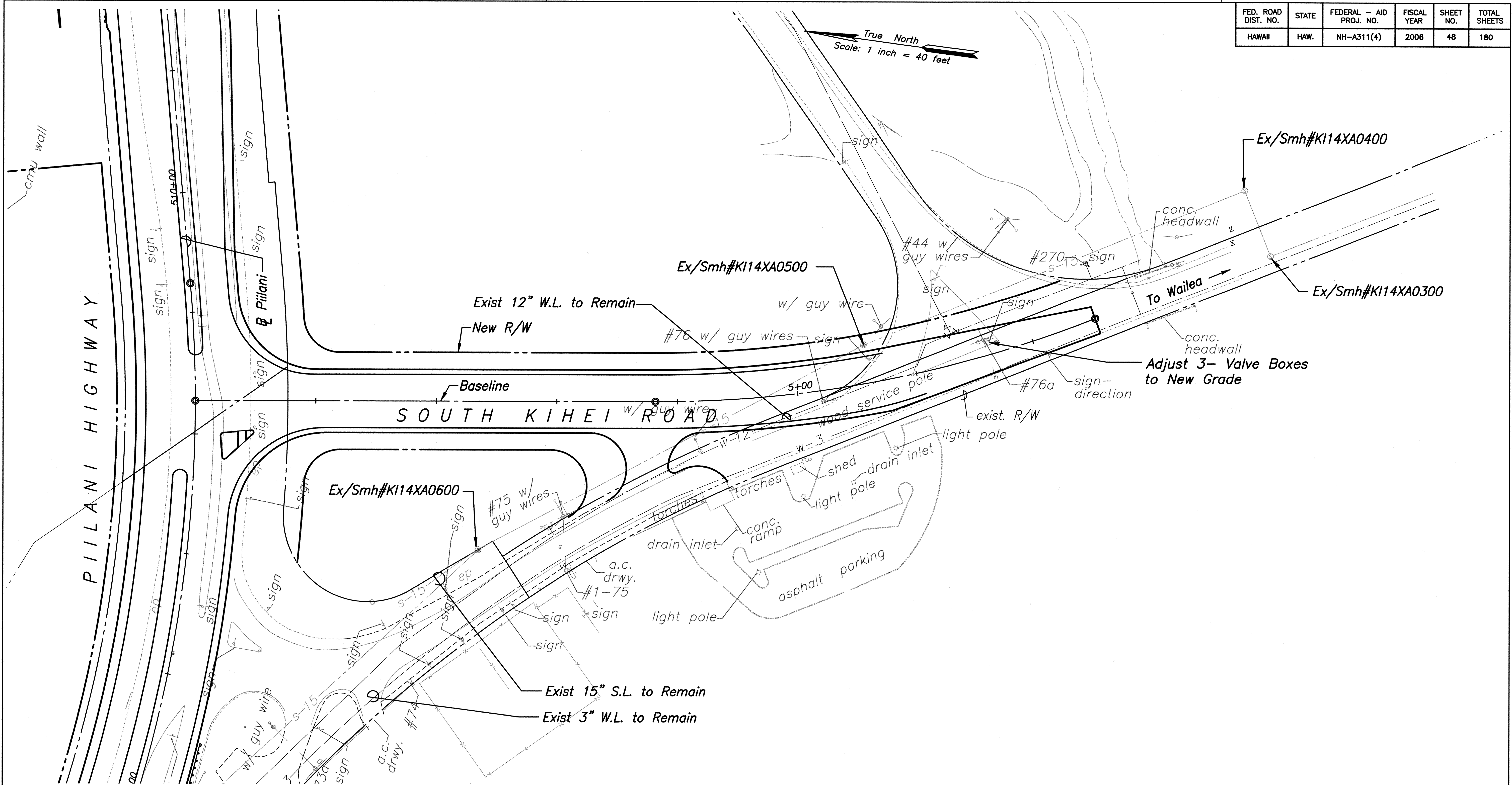
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

UTILITY PLAN

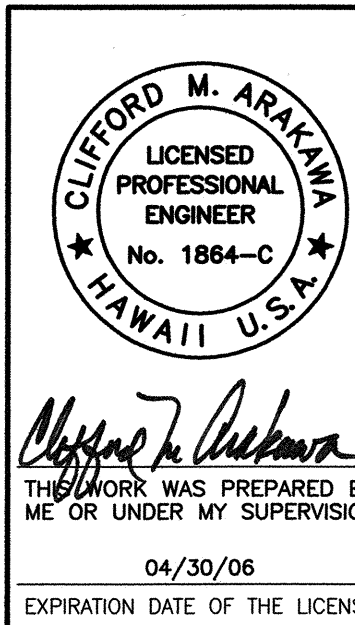
MOKULELE HIGHWAY WIDENING
Vicinity of Kealia Pond Driveway
To
Piilani Highway
Federal - Aid Project No. NH-A311(4)
Scale: 1"=40' Date: July 2005

SHEET No. 6 OF 8 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL - AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-A311(4)	2006	48	180



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



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
UTILITY PLAN
MOKULELE HIGHWAY WIDENING
Vicinity of Kealia Pond Driveway
To
Piilani Highway
Federal - Aid Project No. NH-A311(4)
Scale: 1"=40' Date: July 2005
SHEET No. 8 OF 8 SHEETS