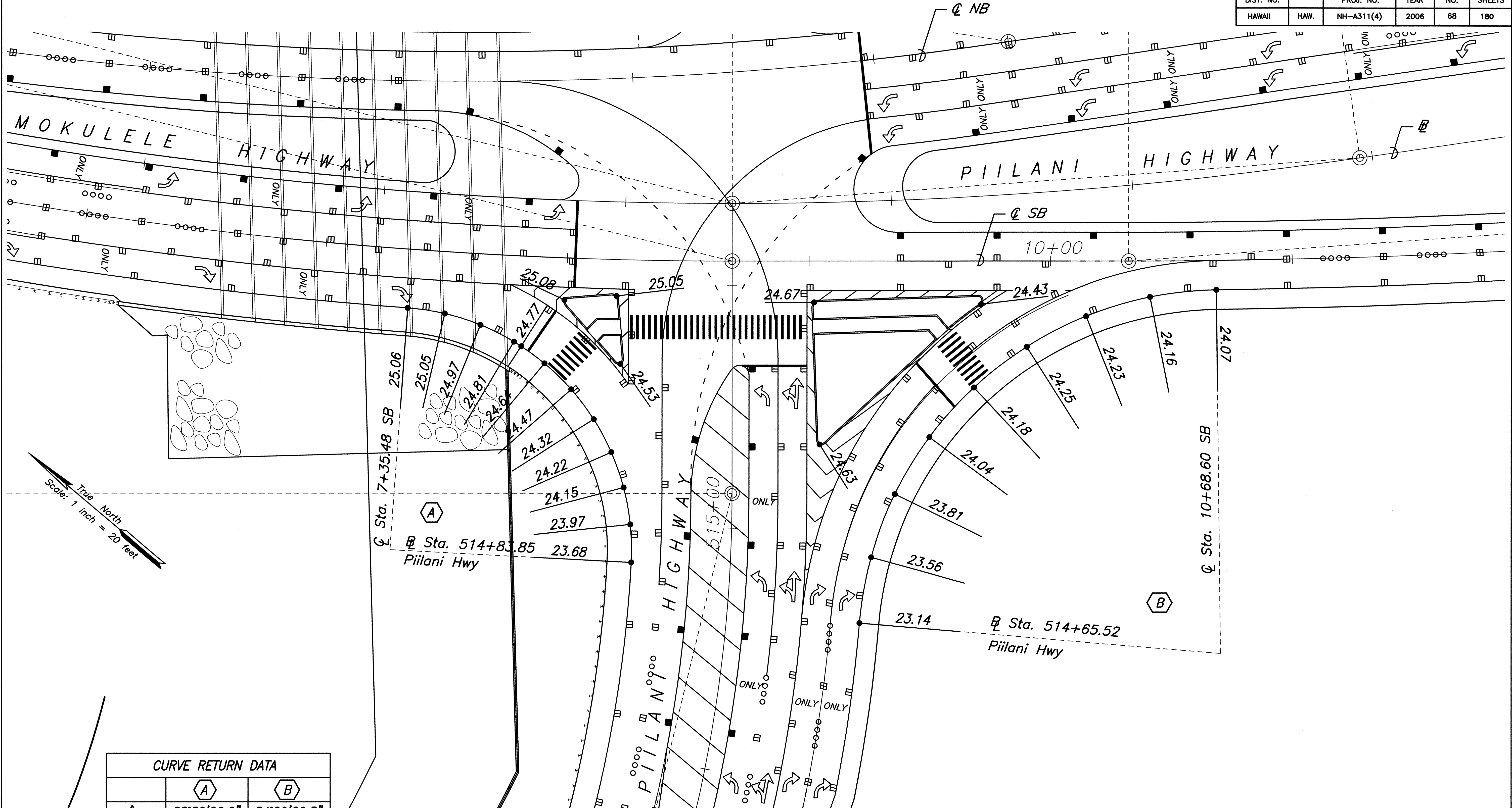


FED. ROAD DIST. NO.	STATE	FEDERAL - AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-A311(4)	2006	68	180



CURVE RETURN DATA		
	A	B
Δ	88°50'26.2"	84°29'20.5"
$\Delta/2$	44°25'13.1"	42°14'40.2"
R	100.00	150.00
T	98.00	136.22
C	139.98	201.69
L	155.06	221.19
$\Delta/8$	11°06'18.3"	10°33'40.1"
C	19.35	27.31

Note:

All grades shown on Island are at the Bottom of Curb.

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

CLIFFORD M. ARAKAWA
LICENSED PROFESSIONAL ENGINEER
No. 1884-C
HAWAII U.S.A.

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

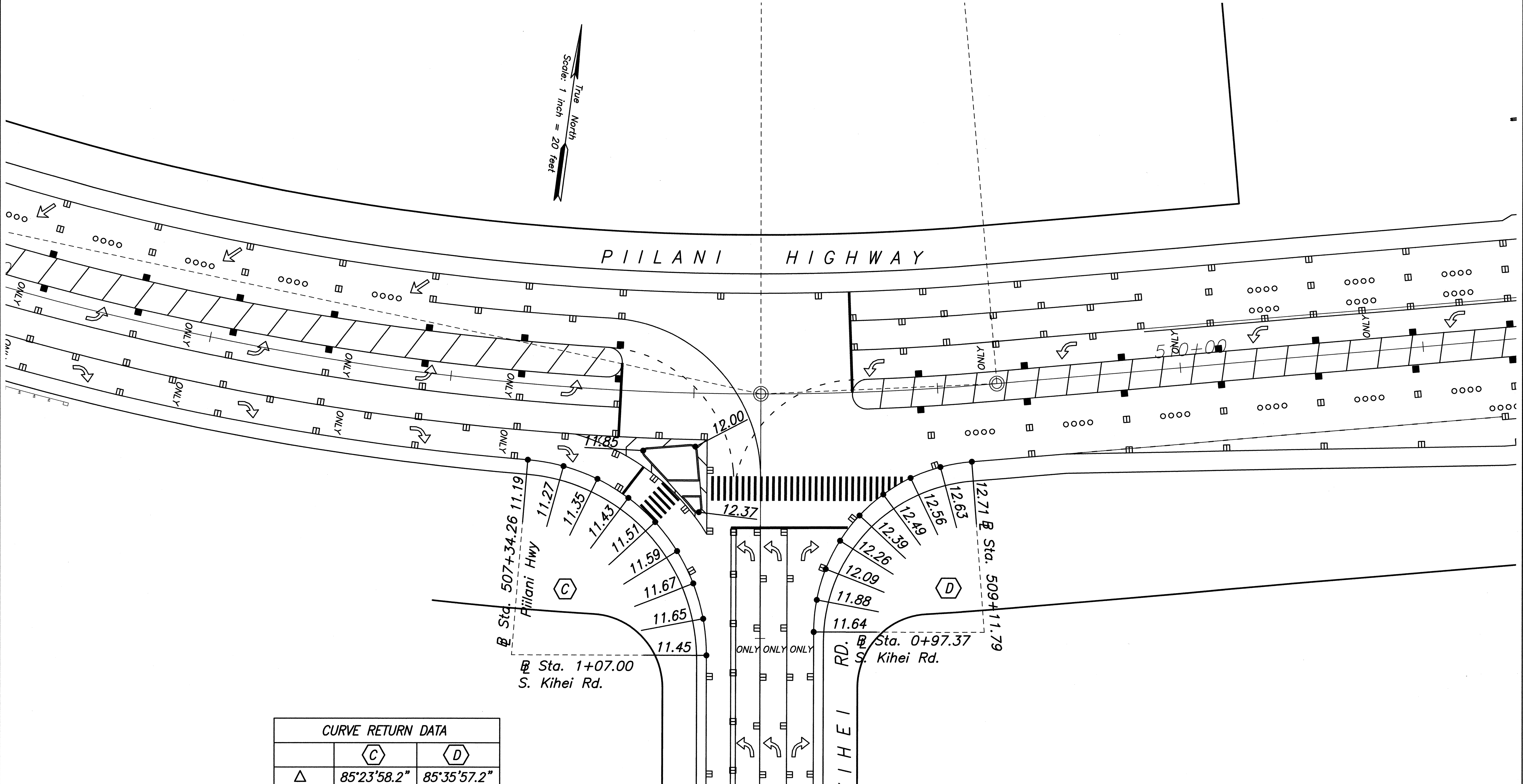
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

INTERSECTION PLAN

MOKULELE HIGHWAY WIDENING
Vicinity of Kealia Pond Driveway
To
Piilani Highway
Federal - Aid Project No. NH-A311(4)
Scale: 1"=20' Date: July 2005

SHEET No. 1 OF 3 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL - AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-A311(4)	2006	69	180



Note:
All grades shown on Island
are at the Bottom of Curb.

CURVE RETURN DATA		
	C	D
Δ	85°23'58.2"	85°35'57.2"
$\Delta/2$	42°41'59.1"	42°47'58.6"
R	80.00	70.00
T	73.82	64.82
C	108.51	95.12
L	119.24	104.58
$\Delta/8$	10°40'29.8"	10°41'59.7"
C	14.88	13.05

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	TRACED BY	
	CHECKED BY	
	QUANTITIES BY	
	CHECKED BY	

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

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

04/30/06
EXPIRATION DATE OF THE LICENSE

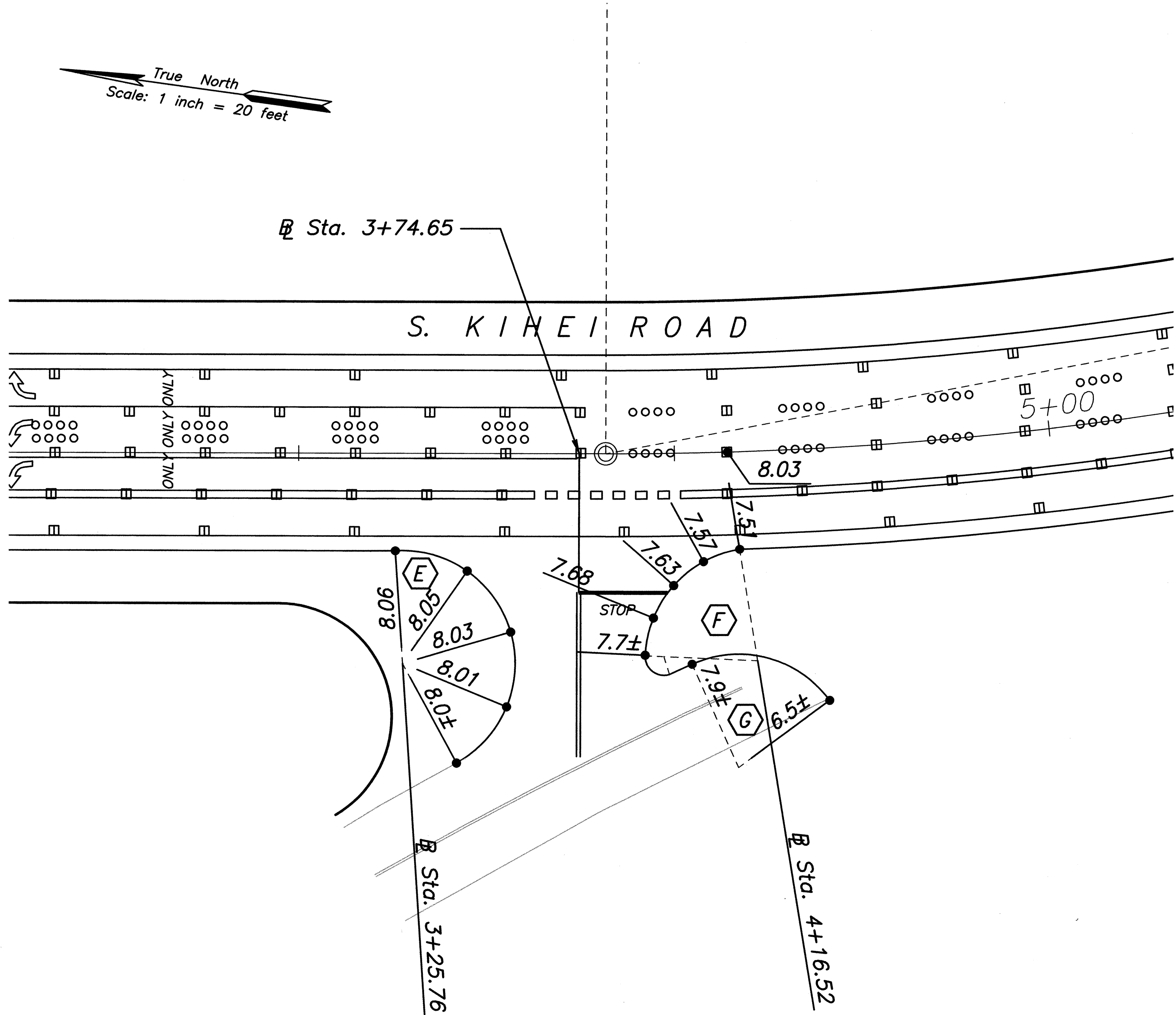
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

INTERSECTION PLAN

MOKULELE HIGHWAY WIDENING
Vicinity of Kealia Pond Driveway
To
Piilani Highway
Federal - Aid Project No. NH-A311(4)
Scale: 1"=20' Date: July 2005

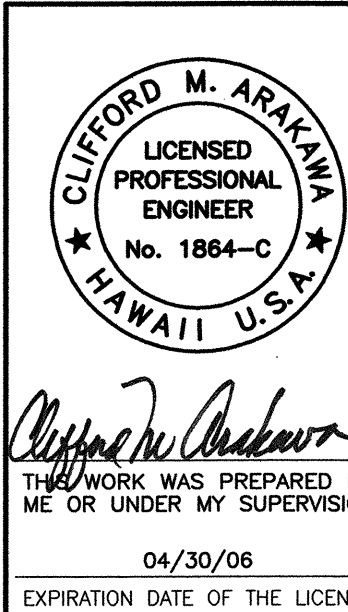
SHEET No. 2 OF 3 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL - AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-A311(4)	2006	70	180



CURVE RETURN DATA			
	E	F	G
Δ	155°01'01.8"	78°14'47.6"	78°16'52.0"
$\Delta/2$	77°30'30.9"	39°07'23.8"	39°08'26.0"
R	30.00	30.00	30.00
T	135.42	24.40	24.42
C	58.58	37.86	37.87
L	81.17	40.97	41.00
$\Delta/8$	38°45'15.5"	19°33'41.9"	N/A
C	19.91	10.19	N/A

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



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

INTERSECTION PLAN

MOKULELE HIGHWAY WIDENING
Vicinity of Kealia Pond Driveway
To
Piilani Highway
Federal - Aid Project No. NH-A311(4)

Scale: 1"=20' Date: July 2005

SHEET No. 3 OF 3 SHEETS