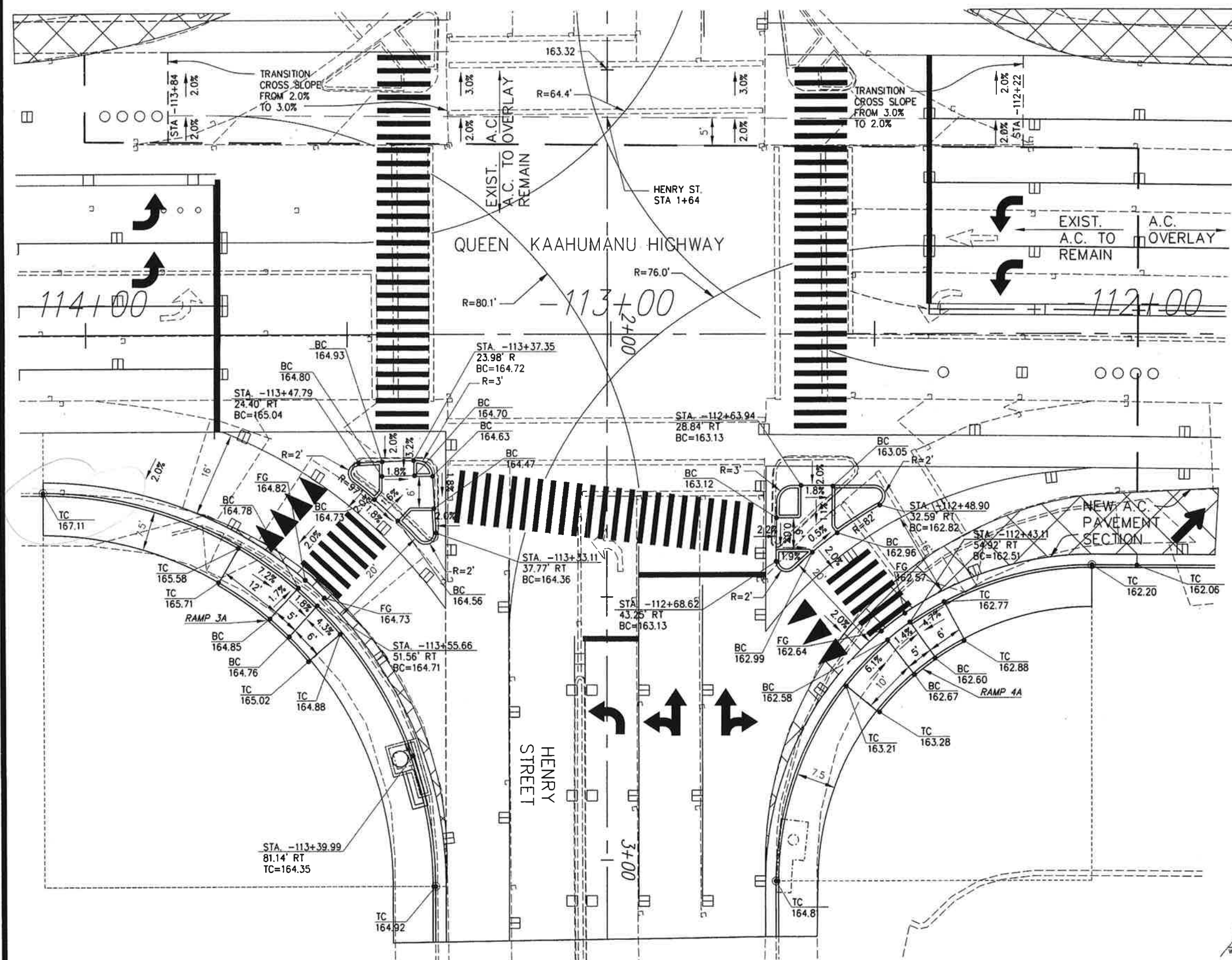


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-1(20)	2005	93	315



DESIGNED BY	DATE
CHECKED BY	
NOTED BY	
QUANTITIES BY	
TRACED BY	
REVIEWED BY	
ORIGINAL PLAN	



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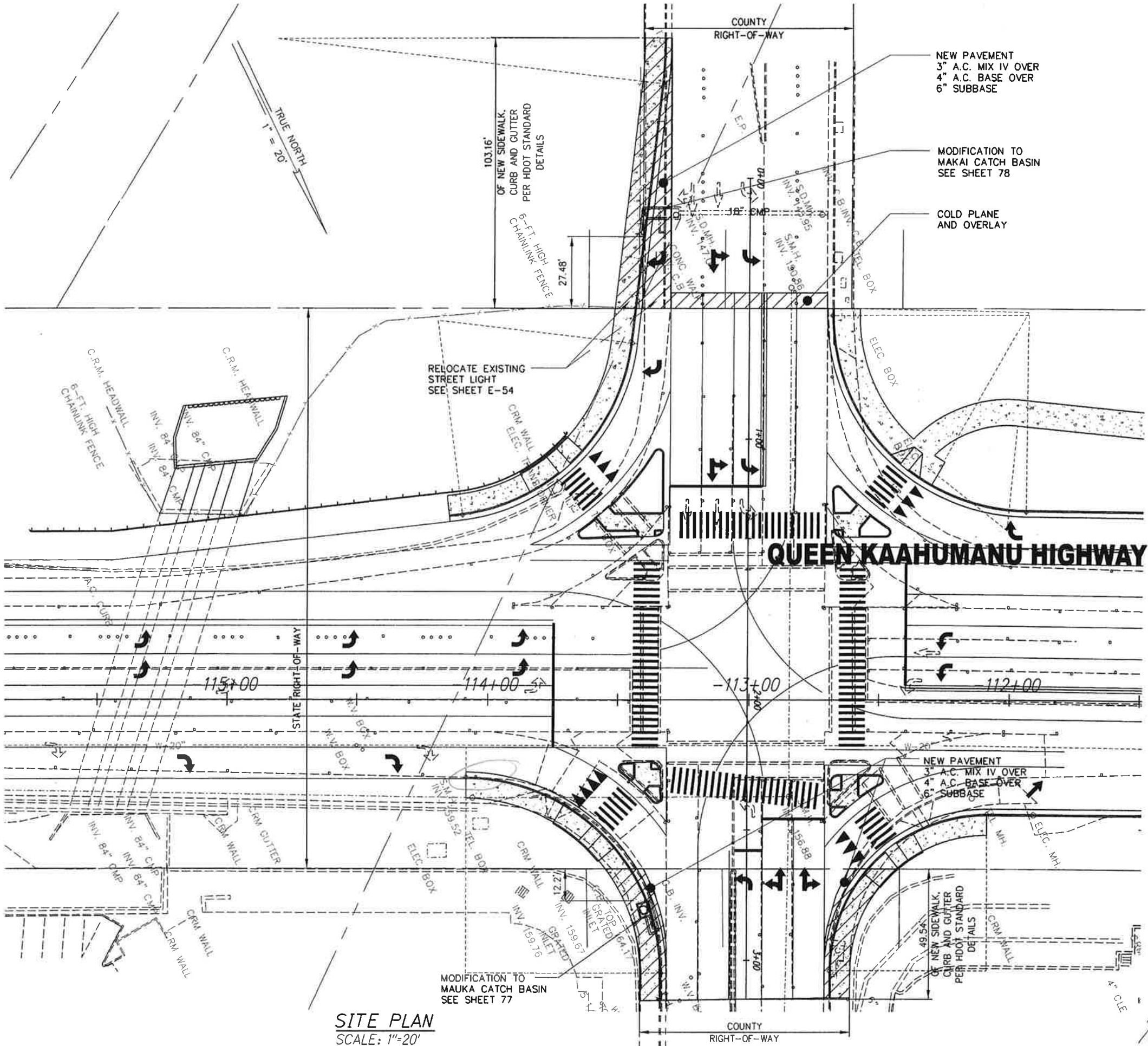
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

INTERSECTION PLAN
HENRY STREET
QUEEN KAAHUMANU HIGHWAY WIDENING
HENRY ST. to KEALAKEHE PKWY - PHASE I
Federal Aid Project No. NH-019-1(20)
Scale: 1" = 10' Date: November 2009

SHEET No. 1 OF 3 SHEETS

AS-BUILT

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-1(20)	2005	95	315



LEGEND:



WORK WITHIN COUNTY
RIGHT-OF-WAY

GRAPHIC SCALE



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
INTERSECTION PLAN
HENRY STREET COUNTY WORK
QUEEN KAAHUMANU HIGHWAY WIDENING
HENRY ST. to KEALAKEHE PKWY - PHASE I
Federal Aid Project No. NH-019-1(20)
Scale: 1" = 20' Date: November 2009

SHEET No. 3 OF 3 SHEETS

SITE PLAN
SCALE: 1"=20'

AS-BUILT

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-1(20)	2005	96	315

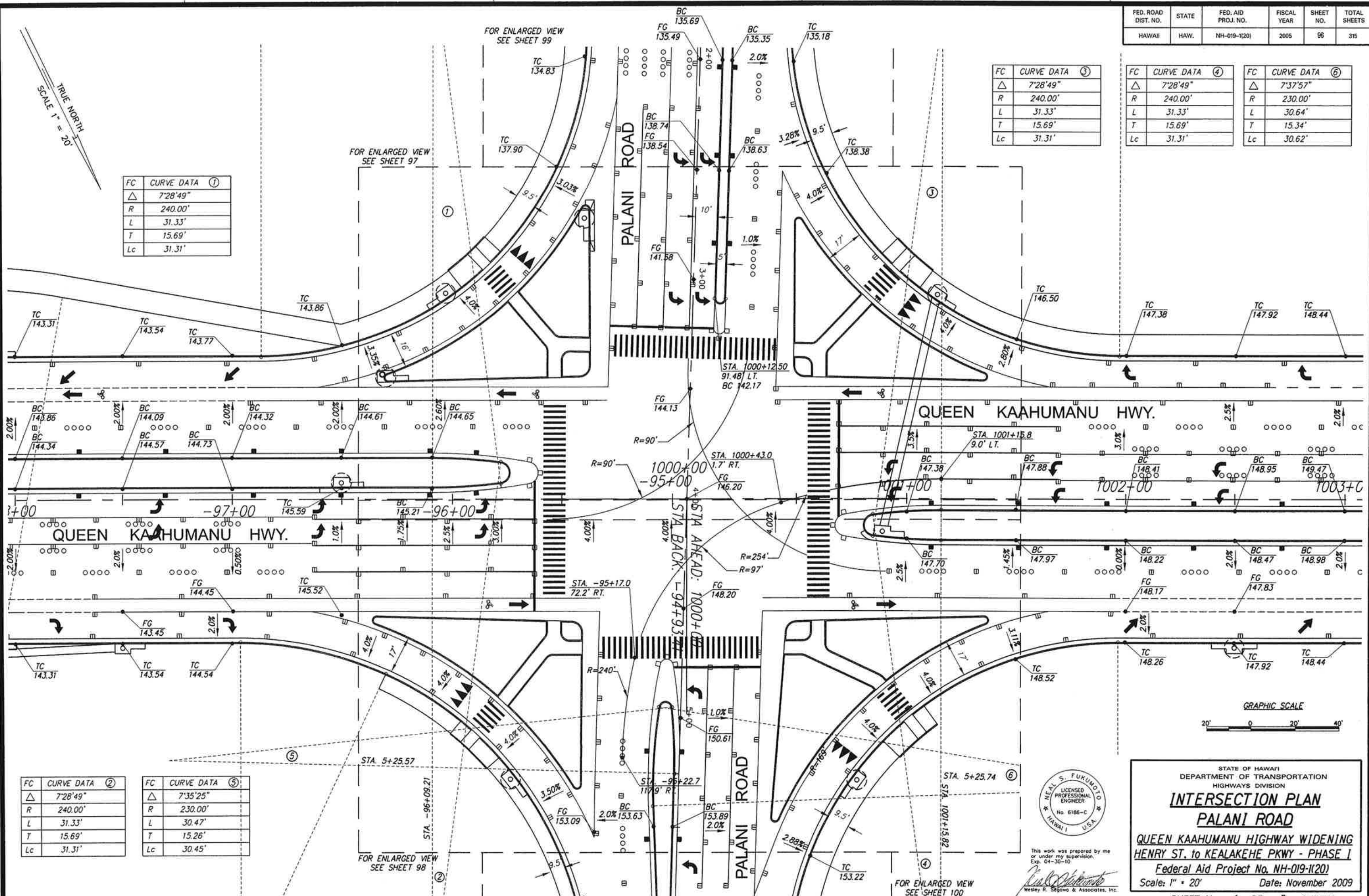
FC	CURVE DATA ③
△	7°28'49"
R	240.00'
L	31.33'
T	15.69'
Lc	31.31'

FC	CURVE DATA ④
△	7°28'49"
R	240.00'
L	31.33'
T	15.69'
Lc	31.31'

FC	CURVE DATA ⑥
△	7°37'57"
R	230.00'
L	30.64'
T	15.34'
Lc	30.62'

FC	CURVE DATA ①
△	7°28'49"
R	240.00'
L	31.33'
T	15.69'
Lc	31.31'

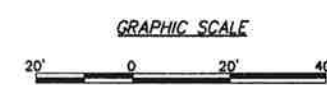
TRUE NORTH
SCALE 1" = 20'



DATE _____
SURVEYED BY _____
DRAWN BY _____
CHECKED BY _____
NOTE BOOK _____
QUANTITIES BY _____

FC	CURVE DATA ②
△	7°28'49"
R	240.00'
L	31.33'
T	15.69'
Lc	31.31'

FC	CURVE DATA ⑤
△	7°35'25"
R	230.00'
L	30.47'
T	15.26'
Lc	30.45'



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

INTERSECTION PLAN
PALANI ROAD

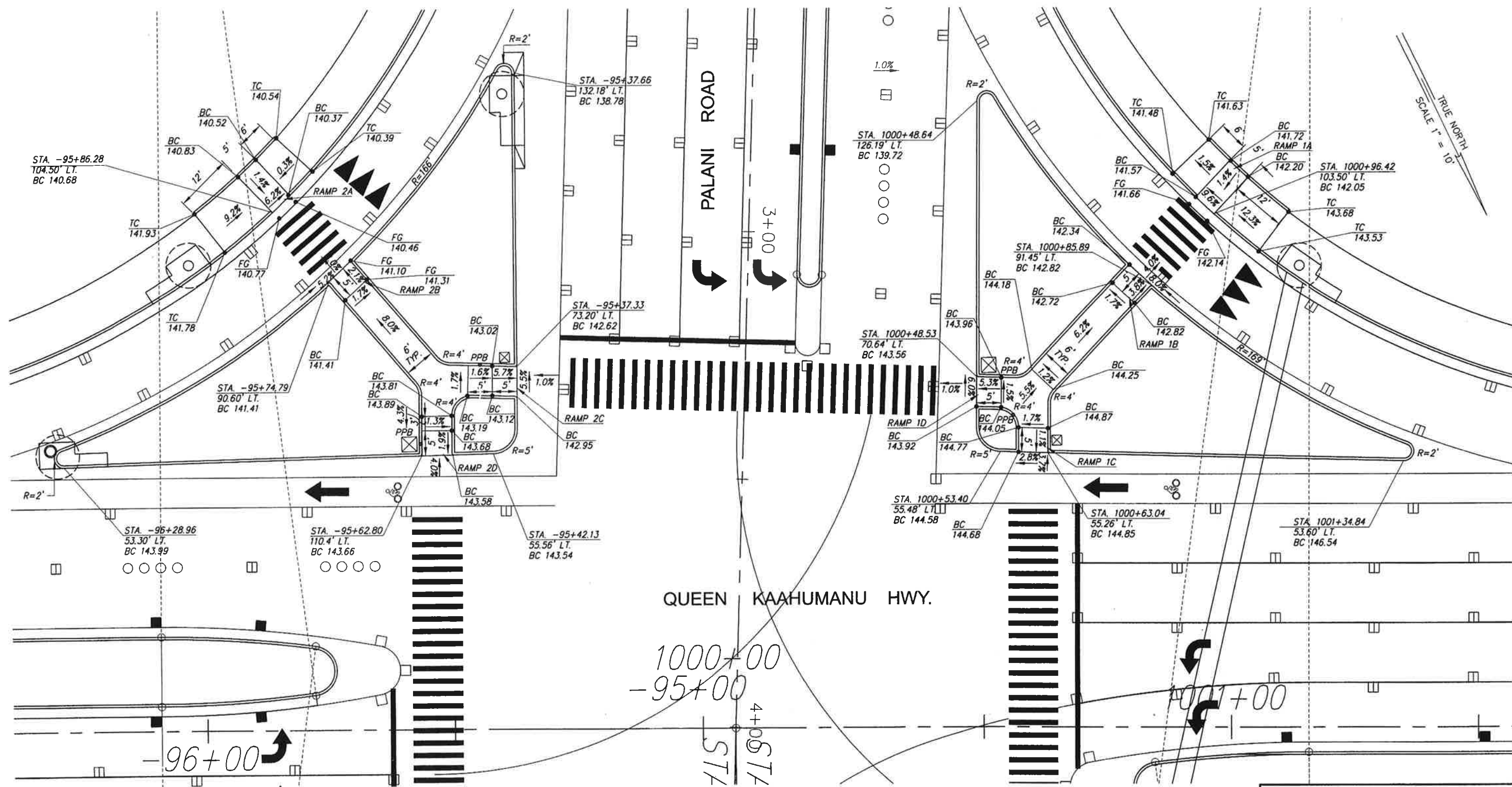
QUEEN KAAHUMANU HIGHWAY WIDENING
HENRY ST. to KEALAKEHE PKWY - PHASE I
Federal Aid Project No. NH-019-1(20)

Scale: 1" = 20' Date: November 2009

SHEET No. 1 OF 5 SHEETS

AS-BUILT

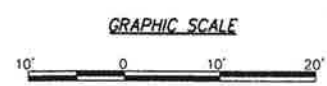
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-1(20)	2005	97	316



SURVEY PLOTTED BY	DATE
DESIGNED BY	
CHECKED BY	
NOTED BY	
QUANTITIES BY	
ORIGINAL PLAN	
NOTE BOOK	
CHECKED BY	



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

INTERSECTION PLAN
PALANI ROAD 2

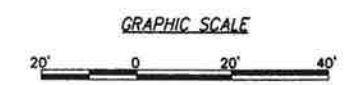
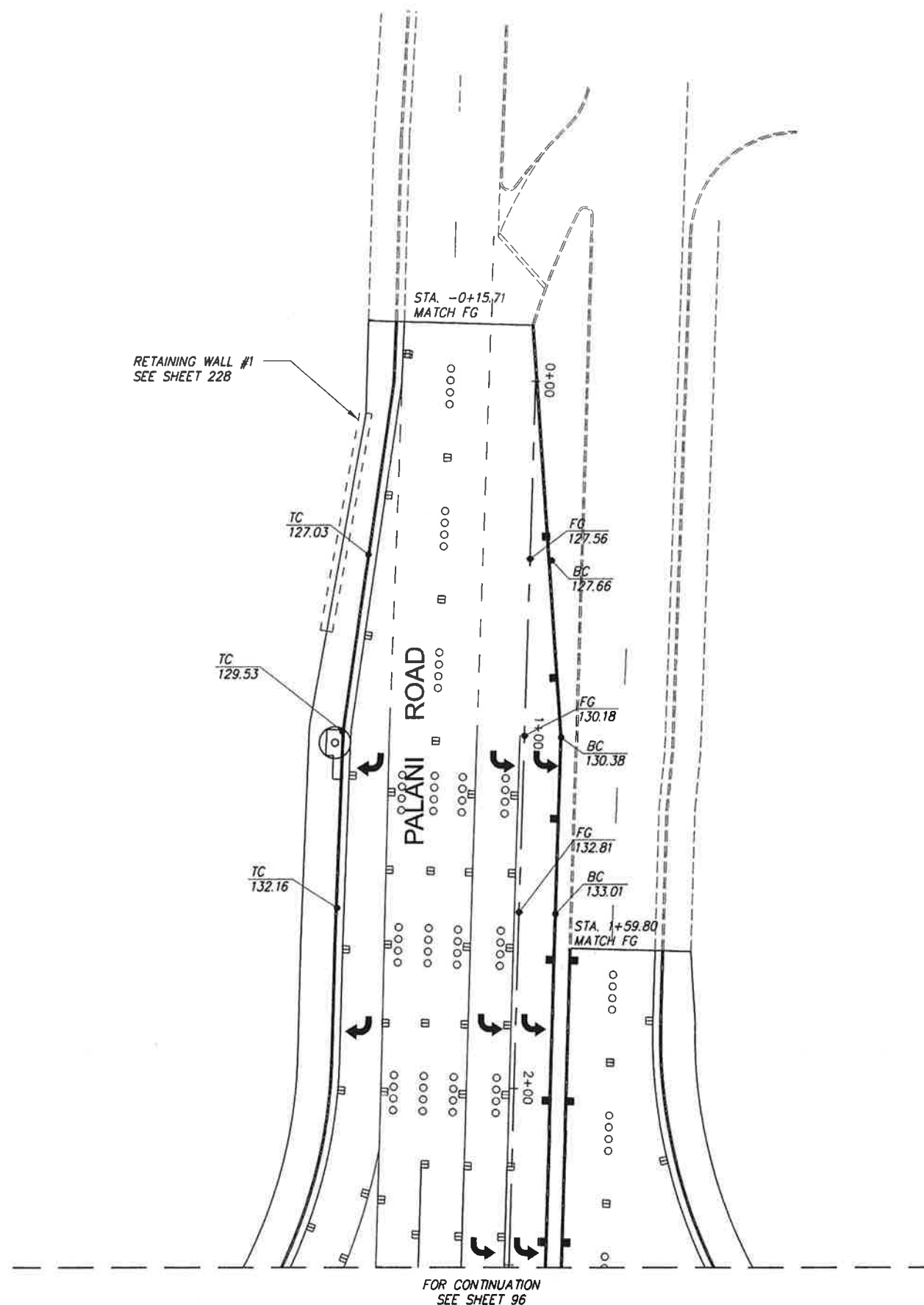
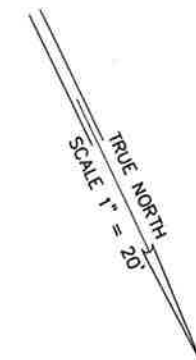
QUEEN KAAHUMANU HIGHWAY WIDENING
HENRY ST. to KEALAKEHE PKWY - PHASE I
Federal Aid Project No. NH-019-1(20)

Scale: 1" = 10' Date: November 2009

SHEET No. 2 OF 5 SHEETS

AS-BUILT

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-1(20)	2005	99	315



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

INTERSECTION PLAN
PALANI ROAD MAKAI

QUEEN KAAHUMANU HIGHWAY WIDENING
HENRY ST. to KEALAKEHE PKWY - PHASE I
Federal Aid Project No. NH-019-1(20)

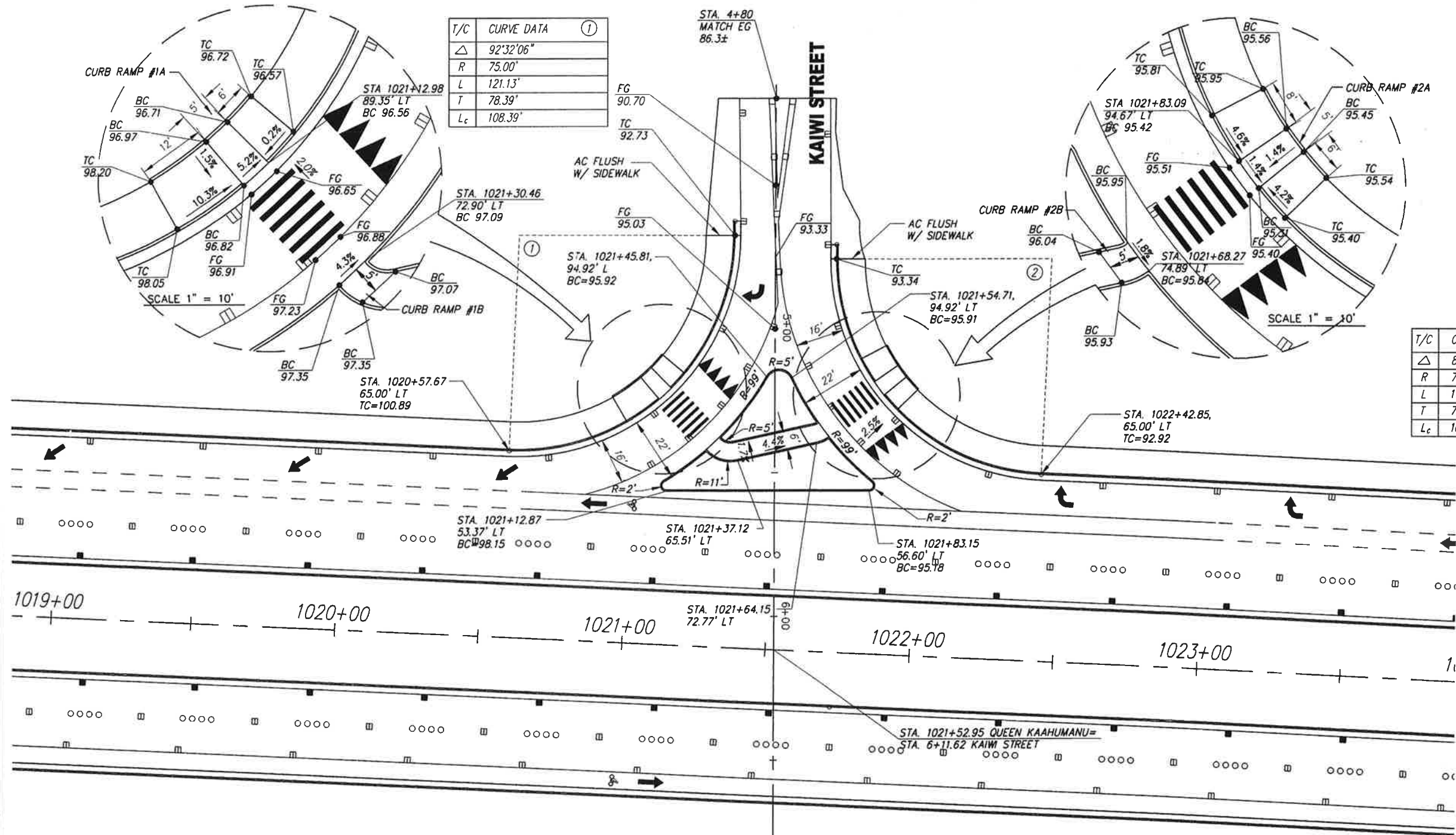
Scale: 1" = 20' Date: November 2009

SHEET No. 4 OF 5 SHEETS

DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
TRACED BY	_____
DESIGNED BY	_____
NOTED BY	_____
CHECKED BY	_____
IN CHARGE	_____

AS-BUILT

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-1(20)	2005	101	315



T/C	CURVE DATA	①
△	92°32'06"	
R	75.00'	
L	121.13'	
T	78.39'	
Lc	108.39'	

T/C	CURVE DATA	②
△	87°27'54"	
R	75.00'	
L	114.49'	
T	71.75'	
Lc	103.69'	

QUEEN KAAHUMANU HIGHWAY

PLAN
SCALE: 1"=20'

GRAPHIC SCALES



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

INTERSECTION PLAN
KAIWI STREET

QUEEN KAAHUMANU HIGHWAY WIDENING
HENRY ST. to KEALAKEHE PKWY - PHASE I
Federal Aid Project No. NH-019-1(20)

Scale: 1" = 40' Date: November 2009

SHEET No. 1 OF 1 SHEETS

AS-BUILT

101

SURVEY PLOTTED BY	DATE
DESIGNED BY	
TRACED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-1(20)	2005	102	315

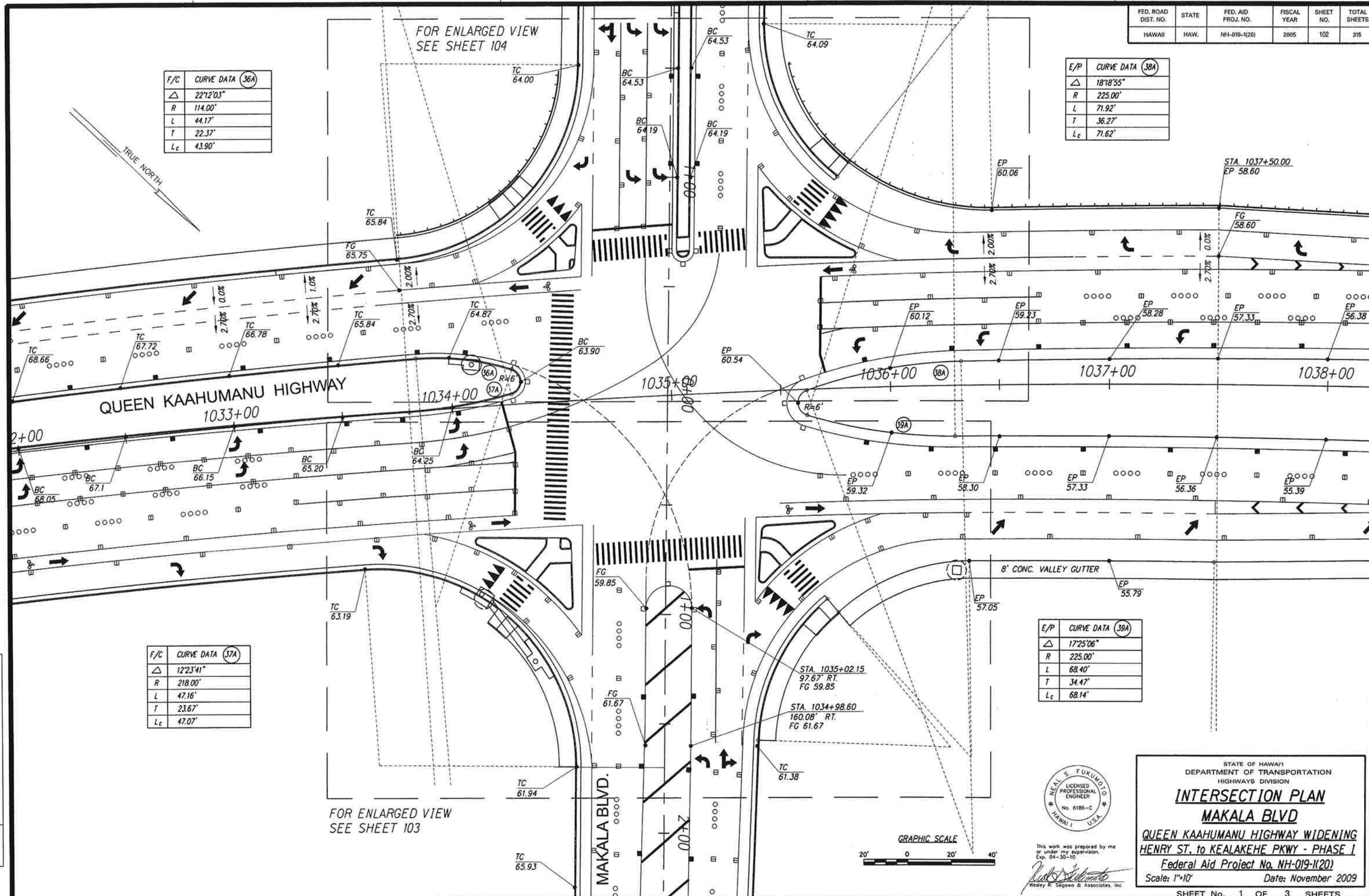
F/C	CURVE DATA (36A)
△	22°12'03"
R	114.00'
L	44.17'
T	22.37'
Lc	43.90'

E/P	CURVE DATA (38A)
△	18°18'55"
R	225.00'
L	71.92'
T	36.27'
Lc	71.62'

F/C	CURVE DATA (37A)
△	12°23'41"
R	218.00'
L	47.16'
T	23.67'
Lc	47.07'

E/P	CURVE DATA (39A)
△	17°25'06"
R	225.00'
L	68.40'
T	34.47'
Lc	68.14'

SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
NOTED BY	
CHECKED BY	



AS-BUILT

102

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

INTERSECTION PLAN
MAKALA BLVD

QUEEN KAAHUMANU HIGHWAY WIDENING
HENRY ST. to KEALAKEHE PKWY - PHASE I
Federal Aid Project No. NH-019-1(20)
Scale: 1"=10' Date: November 2009

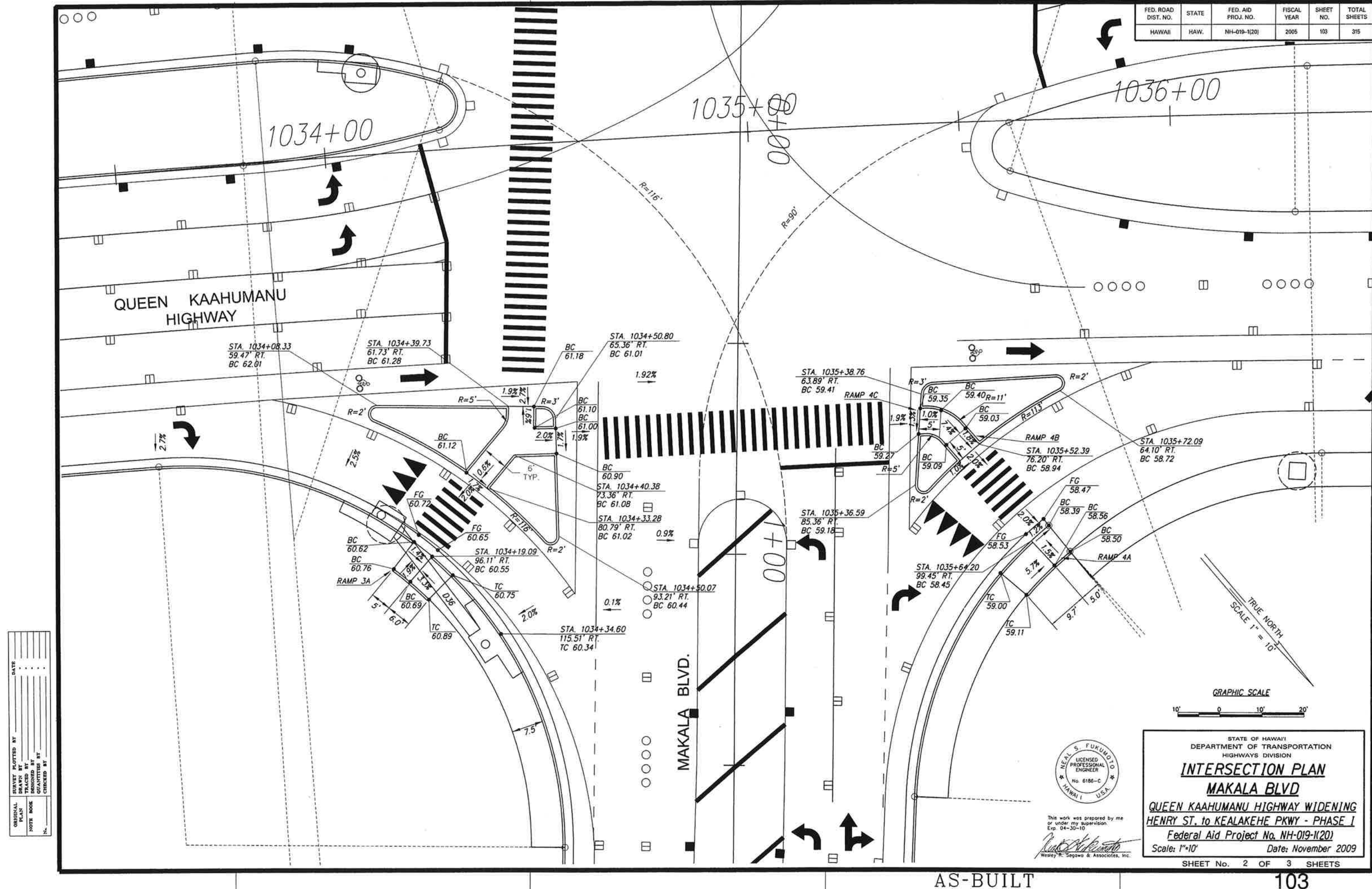
SHEET No. 1 OF 3 SHEETS



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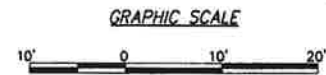
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-1(20)	2005	103	315



DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
DESIGNED BY	_____
QUANTITIES BY	_____
CHECKED BY	_____



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

INTERSECTION PLAN
MAKALA BLVD

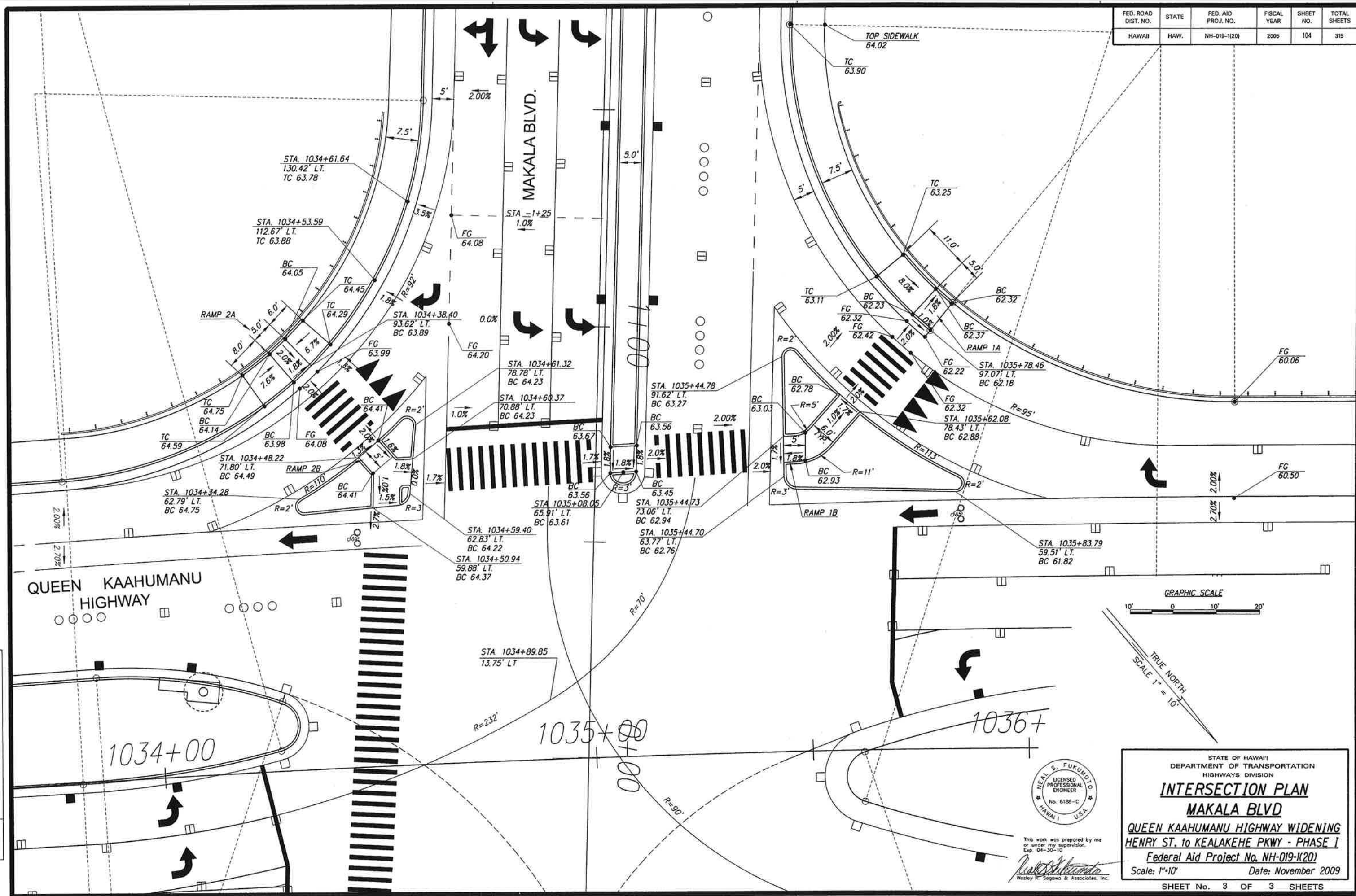
QUEEN KAAHUMANU HIGHWAY WIDENING
HENRY ST. to KEALAKEHE PKWY - PHASE I
Federal Aid Project No. NH-019-1(20)

Scale: 1"=10' Date: November 2009

SHEET No. 2 OF 3 SHEETS

AS-BUILT

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-1(20)	2005	104	315



DATE	_____
DESIGNED BY	_____
TRACED BY	_____
NOTED BY	_____
CHECKED BY	_____



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

INTERSECTION PLAN
MAKALA BLVD

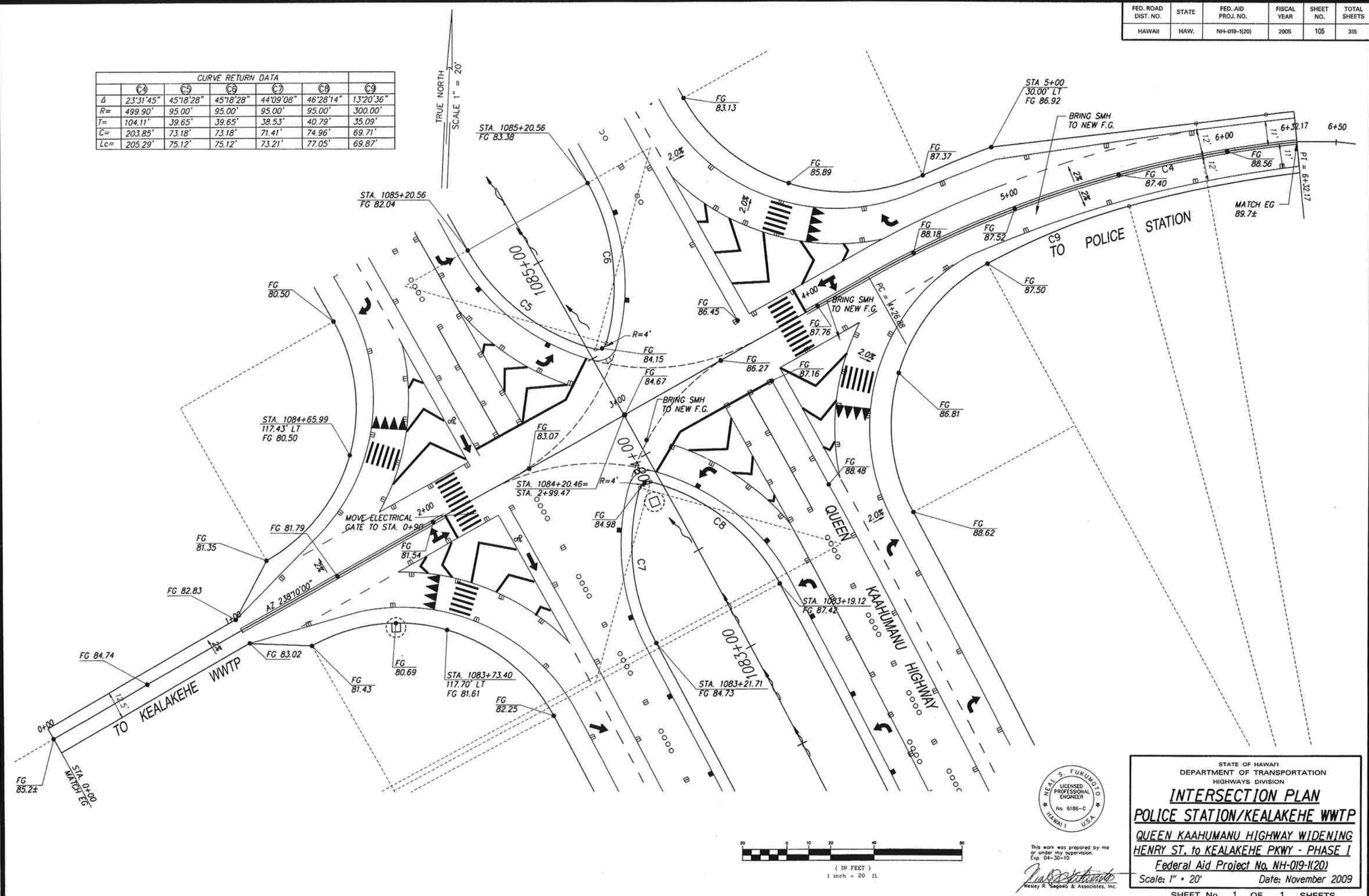
QUEEN KAAHUMANU HIGHWAY WIDENING
HENRY ST. to KEALAKEHE PKWY - PHASE I
Federal Aid Project No. NH-019-1(20)

Scale: 1"=10' Date: November 2009

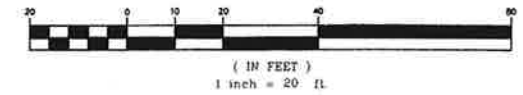
SHEET No. 3 OF 3 SHEETS

AS-BUILT

CURVE RETURN DATA						
	C4	C5	C6	C7	C8	C9
Δ	23°31'45"	45°18'28"	45°18'28"	44°09'08"	46°28'14"	13°20'36"
R=	499.90'	95.00'	95.00'	95.00'	95.00'	300.00'
T=	104.11'	39.65'	39.65'	38.53'	40.79'	35.09'
C=	203.85'	73.18'	73.18'	71.41'	74.96'	69.71'
Lc=	205.29'	75.12'	75.12'	73.21'	77.05'	69.87'



SURVEY PLOTTED BY _____ DATE _____
 DRAWN BY _____
 DESIGNED BY _____
 CHECKED BY _____
 NOTE MADE _____
 N.



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 Wesley R. Segawa & Associates, Inc.

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
INTERSECTION PLAN
POLICE STATION/KEALAKEHE WWTP
QUEEN KAAHUMANU HIGHWAY WIDENING
HENRY ST. to KEALAKEHE PKWY - PHASE I
 Federal Aid Project No. NH-019-1(20)
 Scale: 1" = 20' Date: November 2009
 SHEET No. 1 OF 1 SHEETS

AS-BUILT