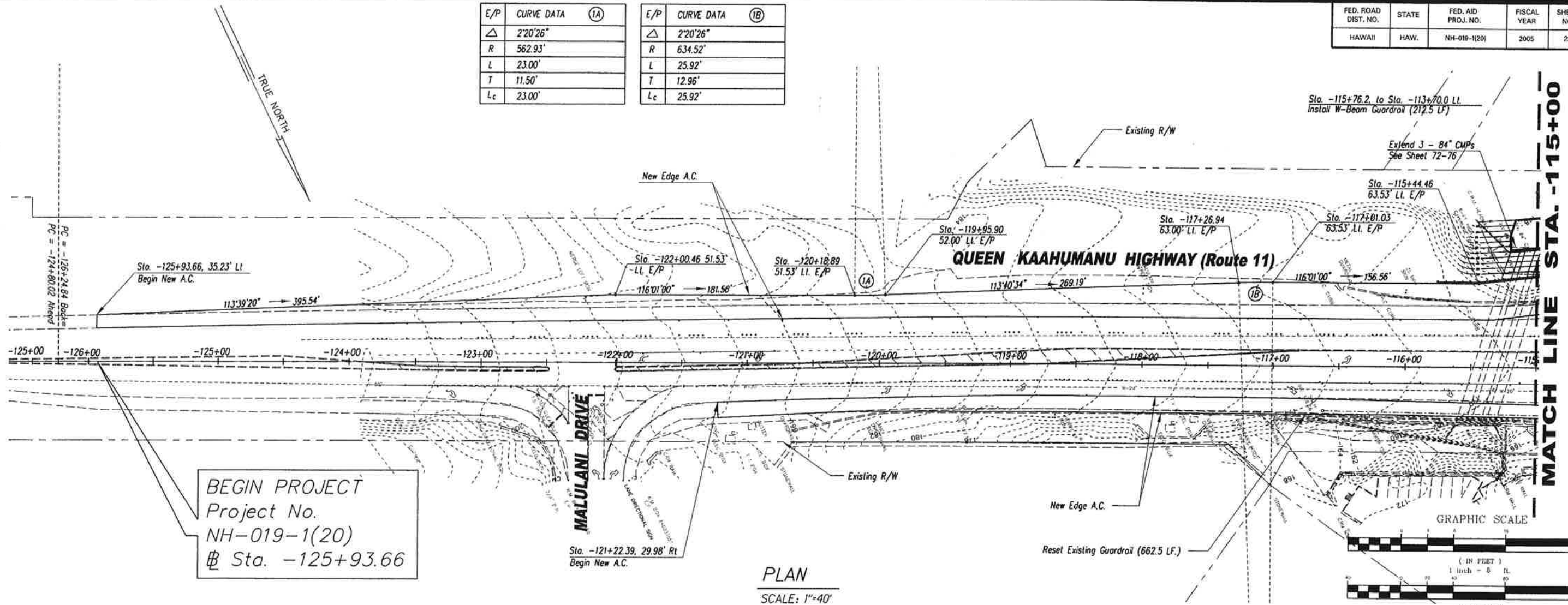


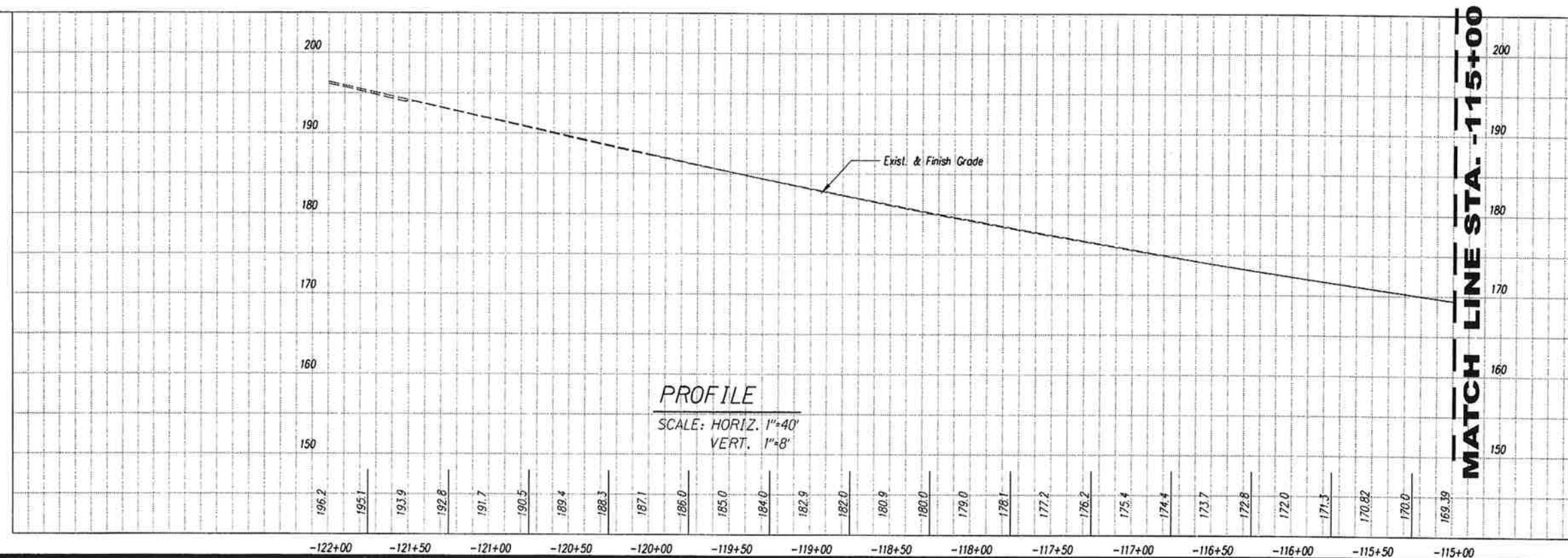
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-1(20)	2005	22	315

E/P	CURVE DATA	(1A)	E/P	CURVE DATA	(1B)
△	2°20'26"		△	2°20'26"	
R	562.93'		R	634.52'	
L	23.00'		L	25.92'	
T	11.50'		T	12.96'	
Lc	23.00'		Lc	25.92'	



BEGIN PROJECT
Project No.
NH-019-1(20)
Sta. -125+93.66

PLAN
SCALE: 1"=40'



PROFILE
SCALE: HORIZ. 1"=40'
VERT. 1"=8'



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Exp. 04-30-10
Wesley R. Segawa & Associates, Inc.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY PLAN & PROFILE
STA. -125+94 TO STA. -115+00
QUEEN KAAHUMANU HIGHWAY WIDENING
HENRY ST. to KEALAKEHE PKWY - PHASE I
Federal Aid Project No. NH-019-1(20)
Scale: As Shown Date: November 2009
SHEET No. 1 OF 15 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	23	316

FC	CURVE DATA ①
△	76°2'29"
R	75.00'
L	99.54'
T	58.64'
Lc	92.39'

FC	CURVE DATA ②
△	89°59'0"
R	75.00'
L	117.79'
T	74.98'
Lc	106.01'

FC	CURVE DATA ③
△	89°34'14"
R	75.00'
L	117.25'
T	74.44'
Lc	105.67'

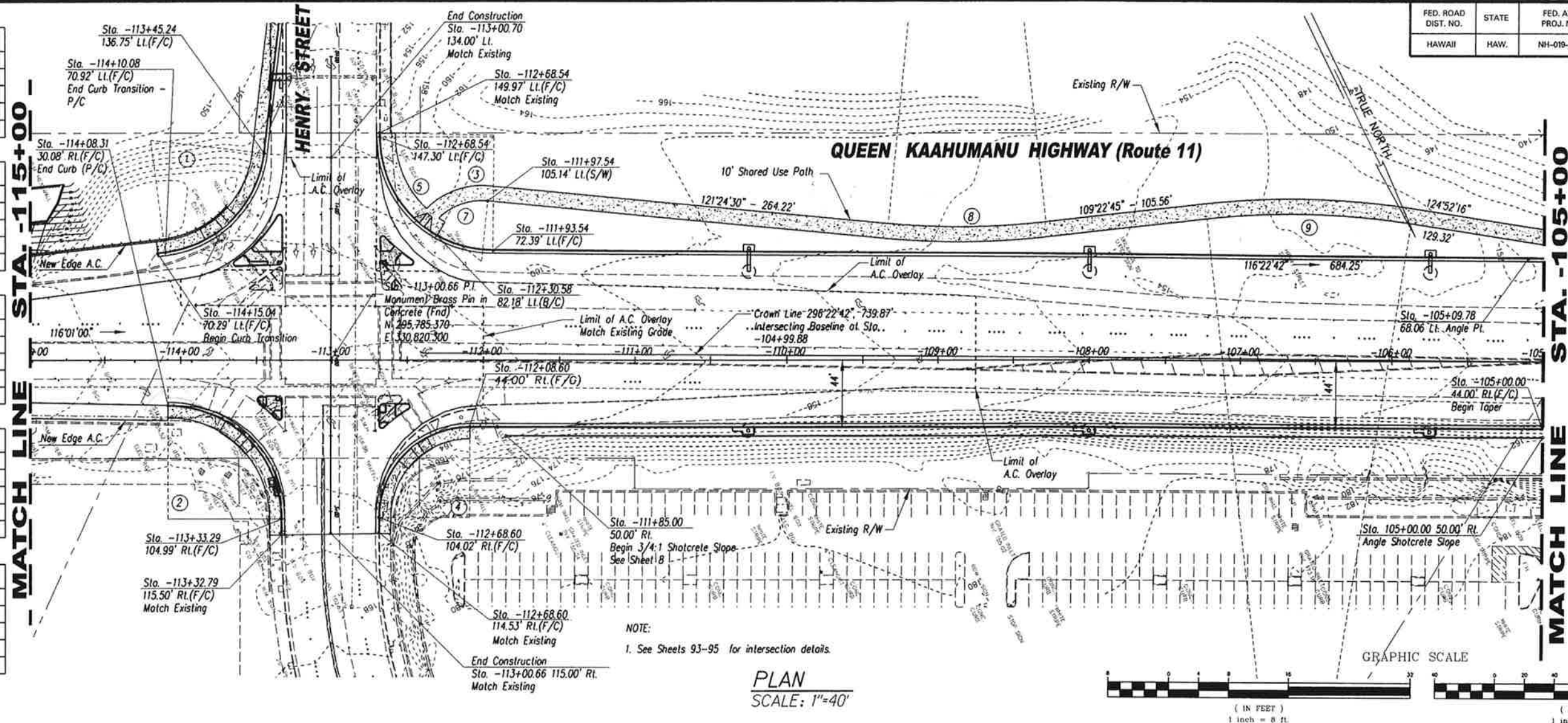
FC	CURVE DATA ④
△	90°00'58"
R	60.00'
L	94.26'
T	60.02'
Lc	84.86'

BW	CURVE DATA ⑤
△	53°52'32"
R	64.50'
L	67.98'
T	32.78'
Lc	64.88'

S/W	CURVE DATA ⑦
△	57°23'25"
R	40.20'
L	40.27'
T	22.00'
Lc	38.60'

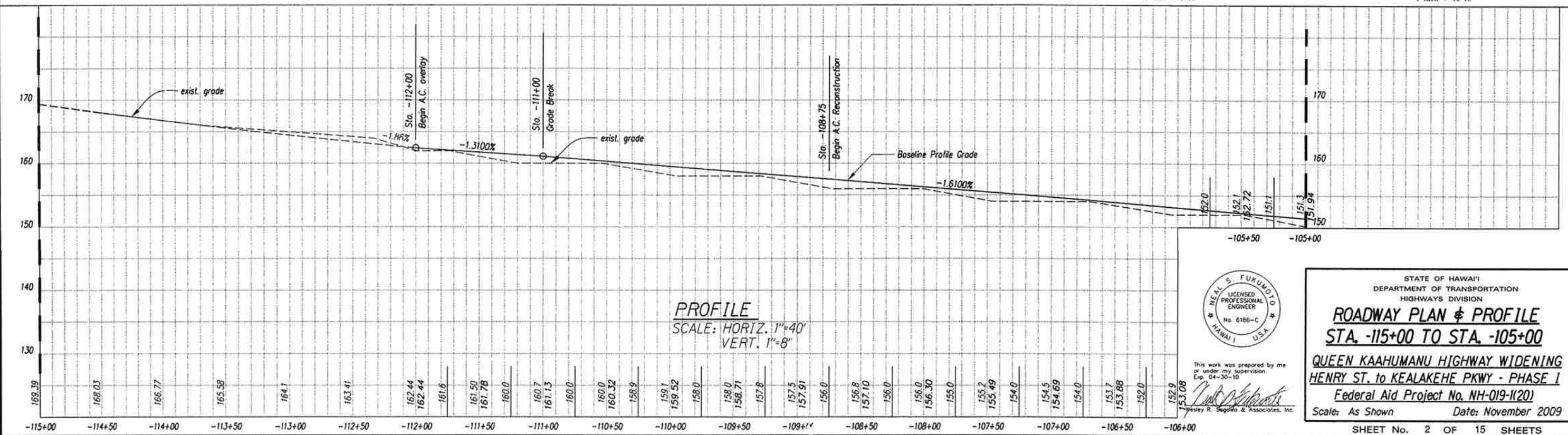
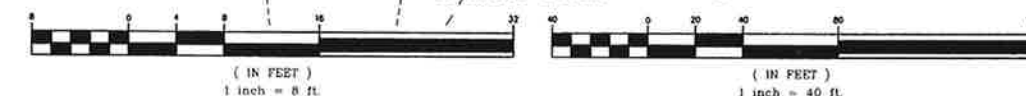
S/W	CURVE DATA ⑧
△	12°01'45"
R	500.00'
L	104.97'
T	52.68'
Lc	104.78'

S/W	CURVE DATA ⑨
△	15°29'31"
R	500.00'
L	135.19'
T	68.01'
Lc	134.78'



NOTE:
1. See Sheets 93-95 for intersection details.

PLAN
SCALE: 1"=40'



PROFILE
SCALE: HORIZ. 1"=40'
VERT. 1"=8'



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or under my supervision.
Exp. 04-30-10
Neil S. Fukumoto
Neil S. Fukumoto & Associates, Inc.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN & PROFILE
STA. -115+00 TO STA. -105+00

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

Scale: As Shown Date: November 2009

SHEET No. 2 OF 15 SHEETS

DESIGNED BY	DATE
CHECKED BY	
NOTED BY	
QUANTITIES BY	
NO.	

AS-BUILT

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-1(20)	2005	24	315

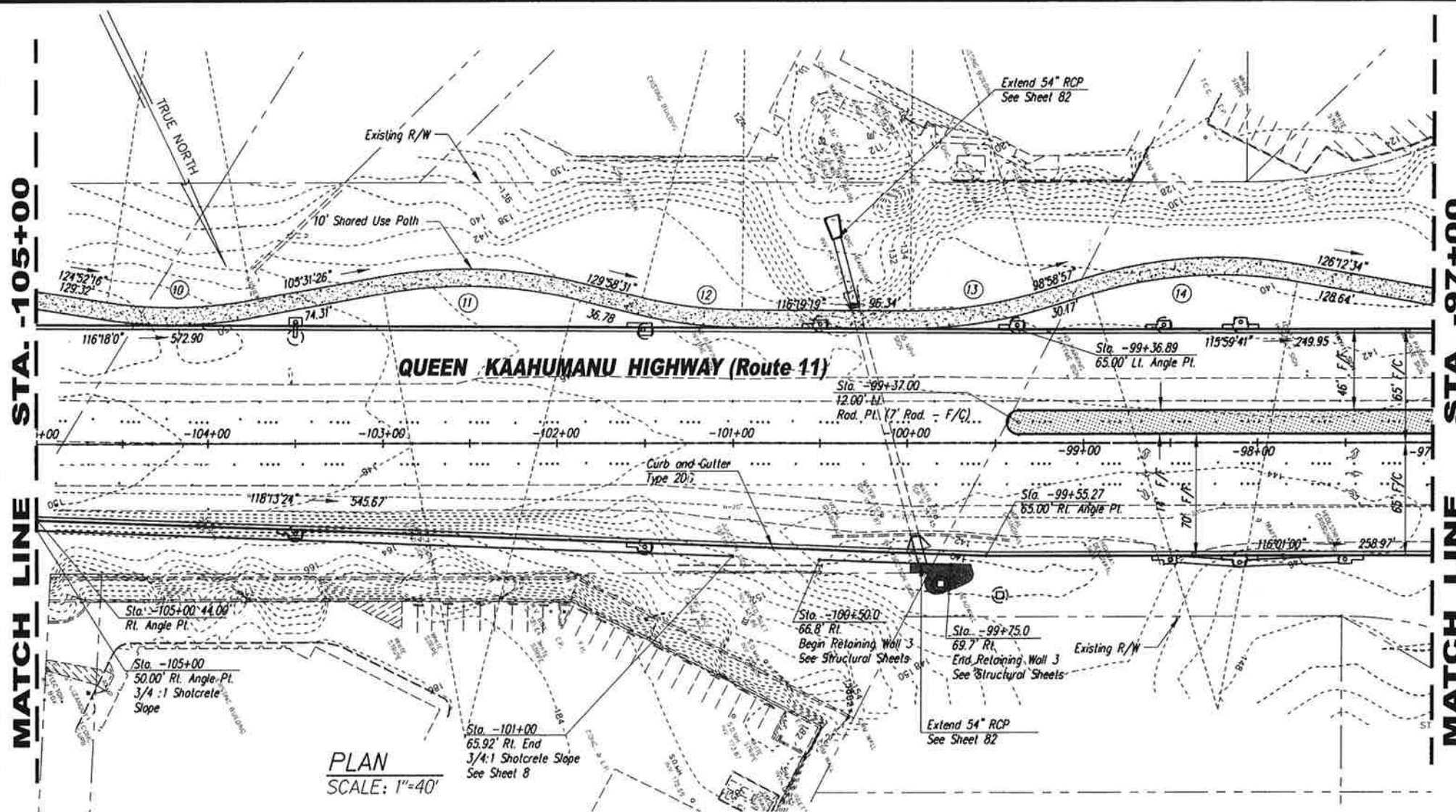
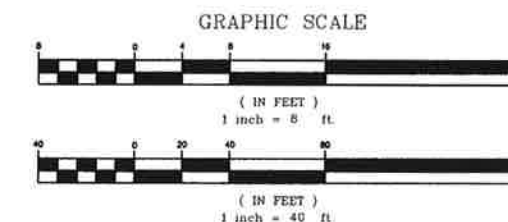
S/W	CURVE DATA	(10)
△	19°20'50"	
R	250.00'	
L	84.42'	
T	42.61'	
Lc	84.02'	

S/W	CURVE DATA	(13)
△	17°20'23"	
R	240.00'	
L	72.63'	
T	36.60'	
Lc	72.36'	

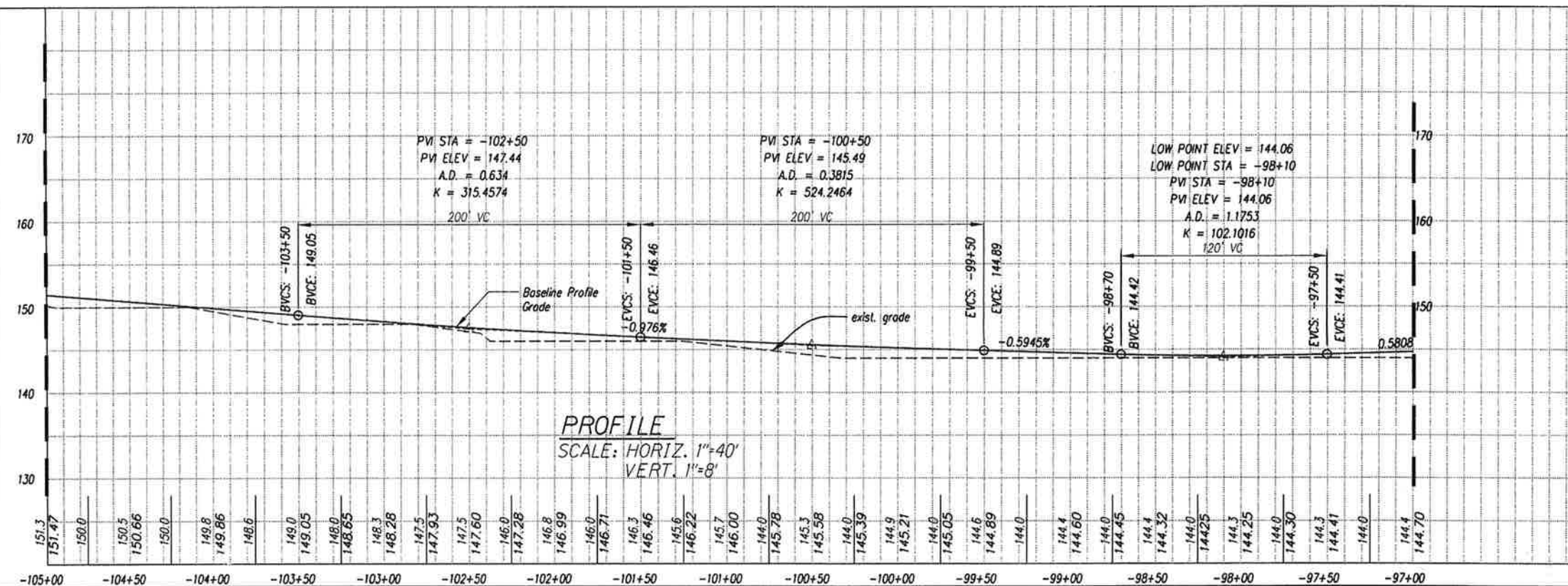
S/W	CURVE DATA	(11)
△	24°27'05"	
R	260.00'	
L	110.96'	
T	56.34'	
Lc	110.12'	

S/W	CURVE DATA	(14)
△	27°13'37"	
R	250.00'	
L	118.80'	
T	60.54'	
Lc	117.69'	

S/W	CURVE DATA	(12)
△	13°39'12"	
R	240.00'	
L	57.19'	
T	28.73'	
Lc	57.06'	



PLAN
SCALE: 1"=40'



PROFILE
SCALE: HORIZ. 1"=40'
VERT. 1"=8'



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Exp. 04-30-10
Neal S. Fukumoto
Wesley R. Sogawa & Associates, Inc.

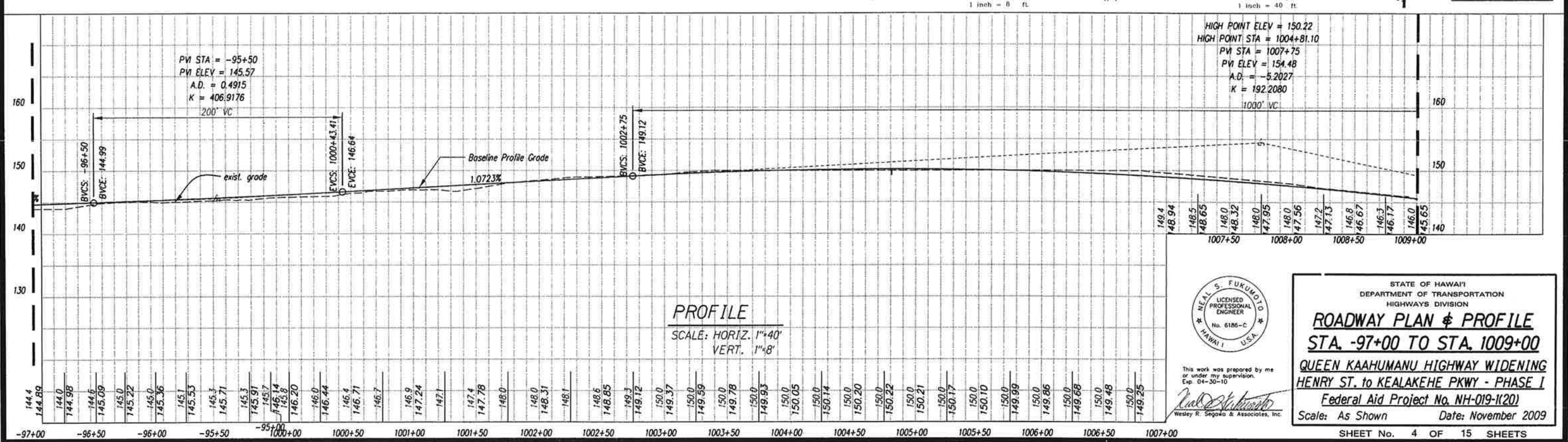
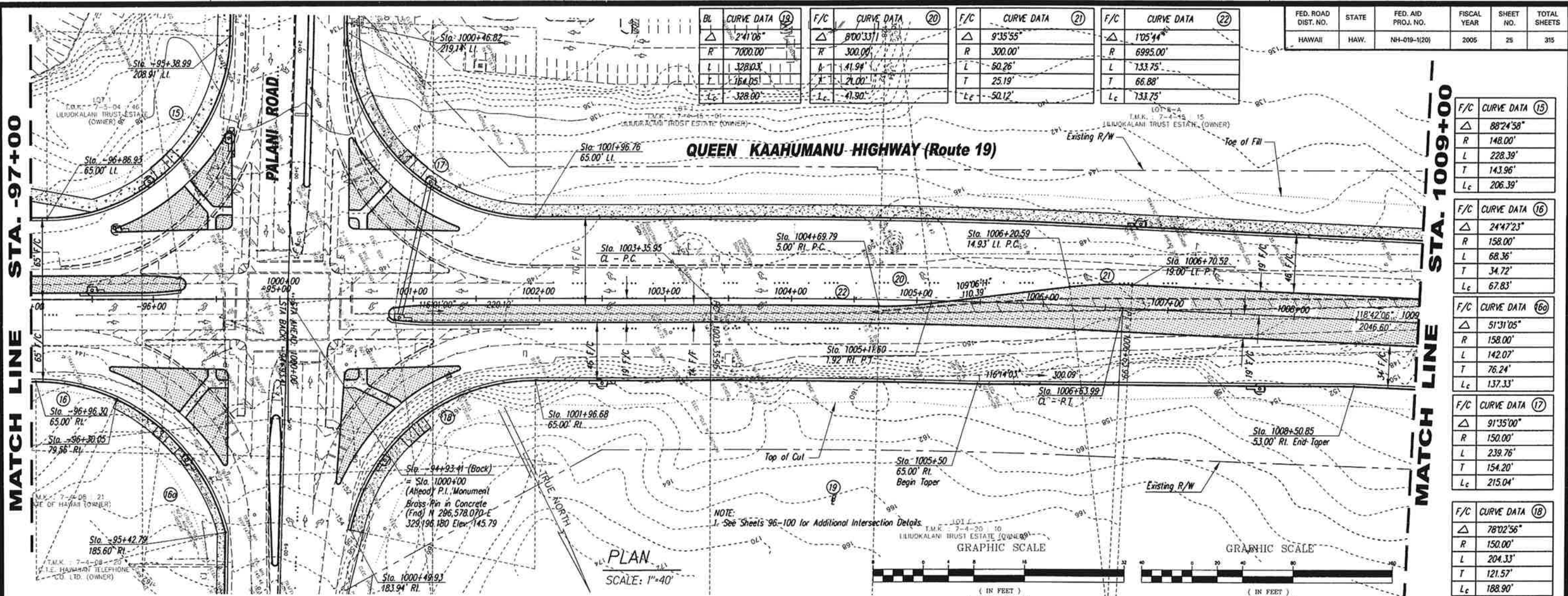
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN & PROFILE
STA. -105+00 TO STA. -97+00

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

Scale: As Shown Date: November 2009

AS-BUILT



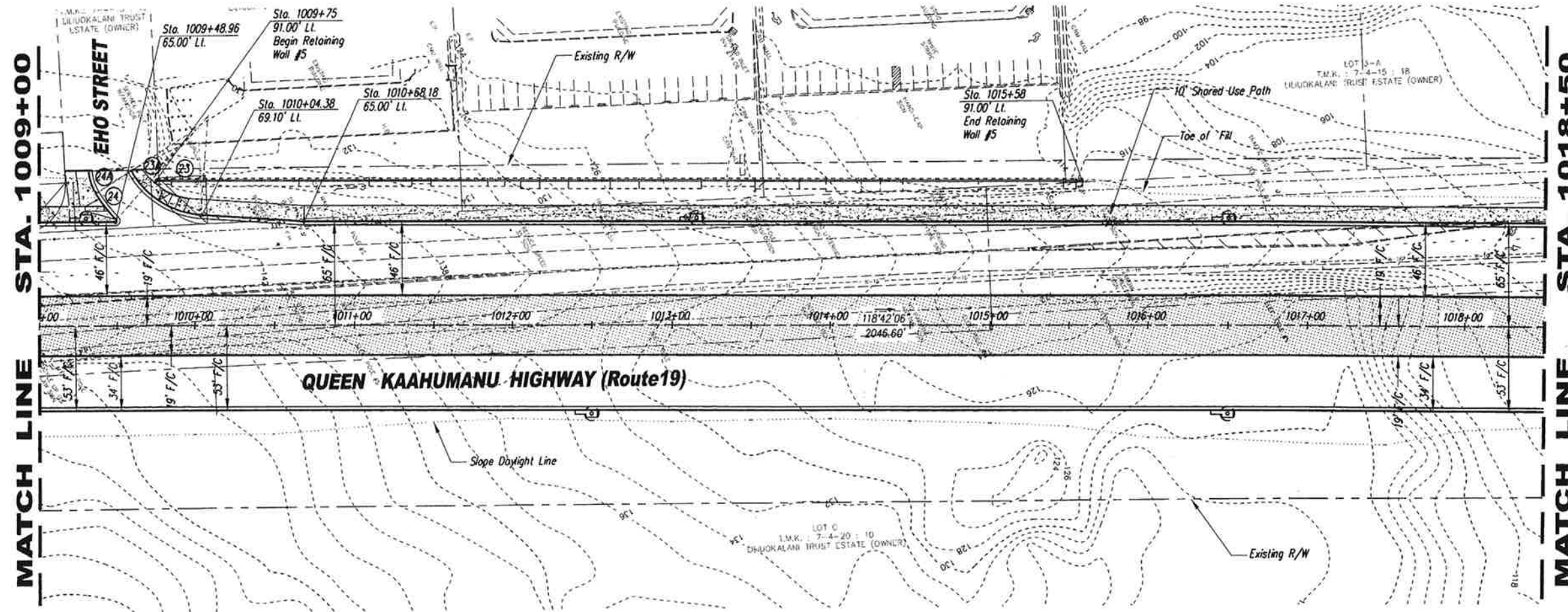
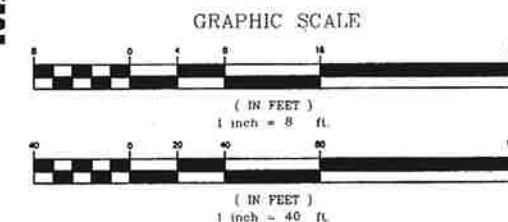
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-1(20)	2005	26	315

F/C	CURVE DATA (23)
△	48°36'37"
R	57.99'
L	44.97'
T	26.19'
Lc	43.85'

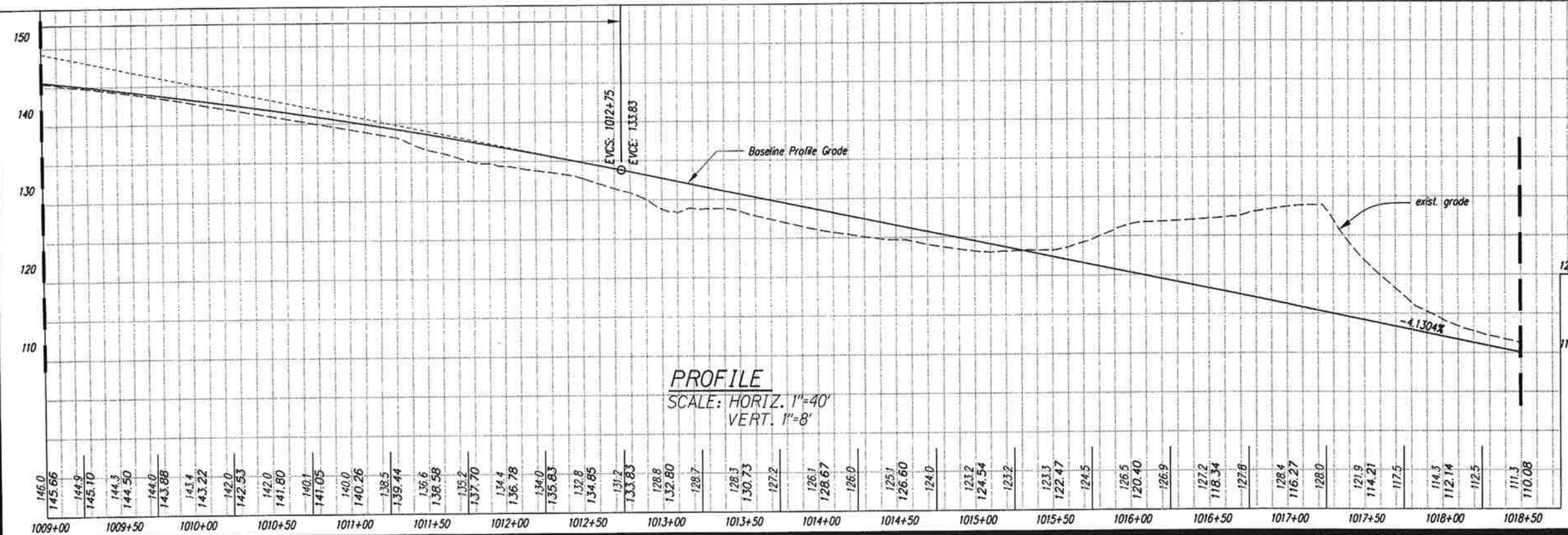
F/C	CURVE DATA (23A)
△	16°17'25"
R	38.00'
L	10.80'
T	5.44'
Lc	10.77'

F/C	CURVE DATA (24)
△	15°25'49"
R	84.00'
L	20.85'
T	11.69'
Lc	20.80'

F/C	CURVE DATA (24A)
△	26°39'21"
R	32.00'
L	14.89'
T	7.58'
Lc	14.75'



PLAN
SCALE: 1"=40'



PROFILE
SCALE: HORIZ. 1"=40'
VERT. 1"=8'

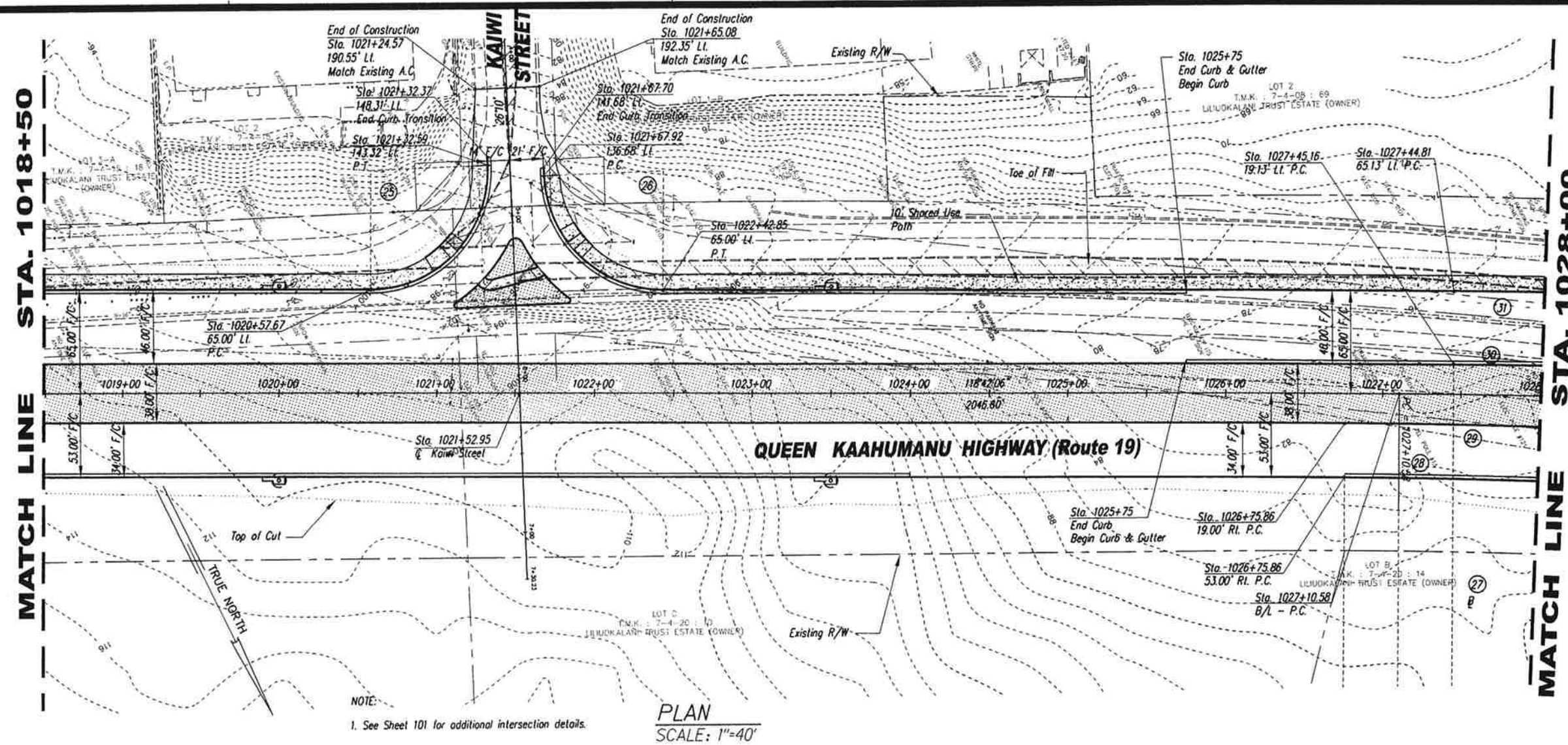


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Exp. 04-30-10
Neal S. Fukumoto
Wesley R. Segawa & Associates, Inc.

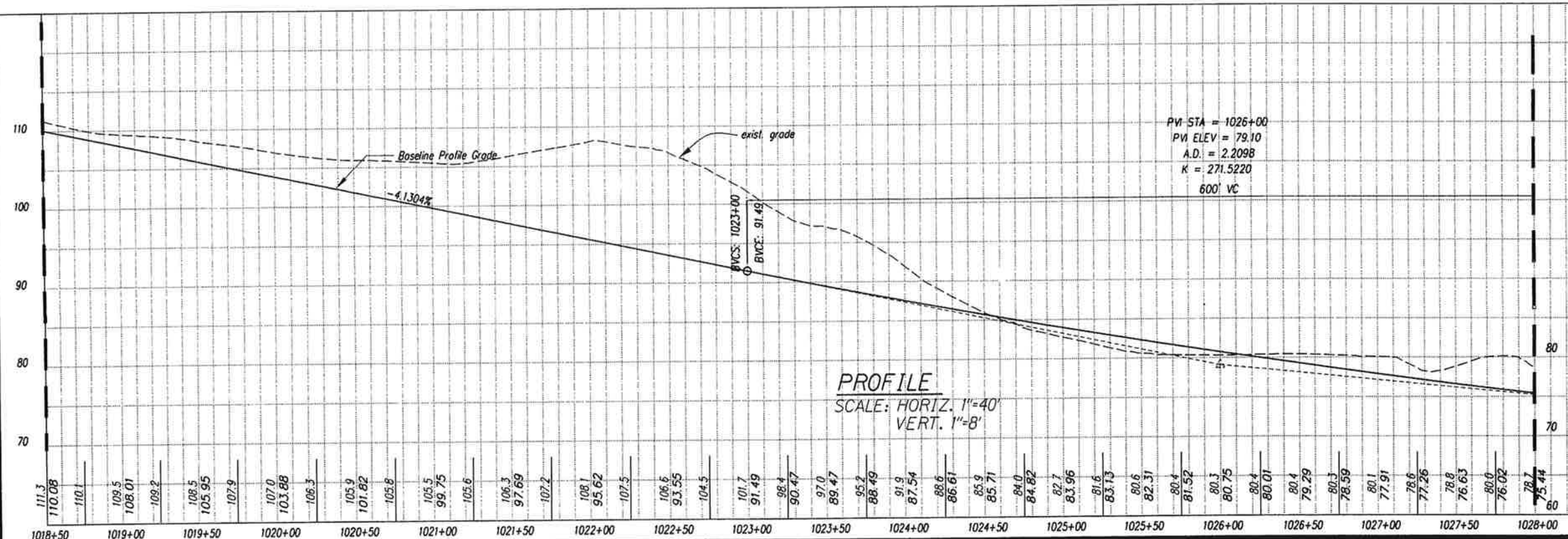
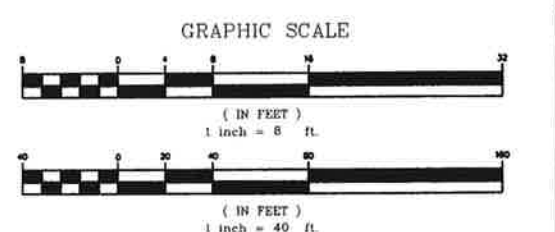
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY PLAN & PROFILE
STA. 1009+00 TO STA. 1018+50
QUEEN KAAHUMANU HIGHWAY WIDENING
HENRY ST. to KEALAKEHE PKWY - PHASE I
Federal Aid Project No. NH-019-1(20)
Scale: As Shown Date: November 2009
SHEET No. 5 OF 15 SHEETS

AS-BUILT

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-1(20)	2005	27	315



F/C	CURVE DATA	F/C	CURVE DATA
△	92°32'06"	△	87°27'54"
R	75.00'	R	75.00'
L	121.13'	L	114.49'
T	78.39'	T	71.75'
Lc	108.39'	Lc	103.69'
BL	CURVE DATA	F/C	CURVE DATA
△	37°12'54"	△	1°35'37"
R	4500.00'	R	4447.00'
L	2922.86'	L	123.68'
T	1515.07'	T	61.84'
Lc	2871.75'	Lc	123.68'
F/C	CURVE DATA	F/C	CURVE DATA
△	1°36'14"	△	8°09'11"
R	4481.00'	R	4519.00'
L	125.43'	L	643.04'
T	62.72'	T	328.01'
Lc	125.43'	Lc	642.50'
F/C	CURVE DATA	F/C	CURVE DATA
△	8°05'30"	△	8°05'30"
R	4565.00'	R	4565.00'
L	644.70'	L	644.70'
T	322.89'	T	322.89'
Lc	644.17'	Lc	644.17'



BL	CURVE DATA (27)	F/C	CURVE DATA (30)
△	37°12'54"	△	8°09'11"
R	4500.00'	R	4519.00'
L	2922.86'	L	643.04'
T	1515.07'	T	-322.06'
Lc	2871.75'	Lc	642.50'

T.M.K. 7-4-03, 3R, 20
LEIUKALANI TRUST ESTATE (OWNER)

NOTE:
1. See Sheets 102-104 for additional intersection details.

Toe of Fill
T.M.K. 7-4-03, 3R, 20
LEIUKALANI TRUST ESTATE (OWNER)

Sta. 1034+69.28
202.12' LI - F/C
Match Exist. Curb El.
Sta. -2+00.00
Connect to Work
By Others

Sta. 1034+66.03
153.35' LI - F/C P.C.
Sta. 1034+98.51
6' Makala Blvd. - P.O.C.
Sta. 1033+79.95
70.02' LI - F/C P.C.

Sta. 1035+49.34
197.66' LI - F/C
TC 63.54
Sta. 1035+48.07
168.04' LI - F/C P.F.

Sta. 1037+49.40
88.82' LI - E/P P.T.
Sta. 1036+47.46
80.05' LI - E/P P.T.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-1(20)	2005	28	315

F/C	CURVE DATA (35)	E/P	CURVE DATA (39)
△	4°13'53"	△	48°10'47"
R	4435.00'	R	88.00'
L	366.23'	L	74.00'
T	183.22'	T	39.50'
Lc	366.12'	Lc	71.84'

F/C	CURVE DATA (36)	E/P	CURVE DATA (39A)
△	84°53'20"	△	41°47'10"
R	90.00'	R	90.00'
L	133.34'	L	65.64'
T	82.31'	T	34.36'
Lc	121.48'	Lc	64.19'

F/C	CURVE DATA (37)	E/P	CURVE DATA (40)
△	94°33'29"	△	127°14'
R	90.00'	R	4427.00'
L	148.53'	L	112.34'
T	97.46'	T	56.17'
Lc	132.24'	Lc	112.33'

E/P	CURVE DATA (38)	E/P	CURVE DATA (41)
△	52°16'36"	△	25°05'02"
R	88.00'	R	4484.00'
L	80.29'	L	1963.08'
T	43.18'	T	997.52'
Lc	77.53'	Lc	1947.44'

E/P	CURVE DATA (38A)	E/P	CURVE DATA (42)
△	39°25'23"	△	4°48'09"
R	102.59'	R	4504.00'
L	70.59'	L	377.53'
T	36.75'	T	188.88'
Lc	69.20'	Lc	377.42'

E/P	CURVE DATA (43)
△	178°01'
R	4573.00'
L	103.77'
T	51.89'
Lc	103.77'

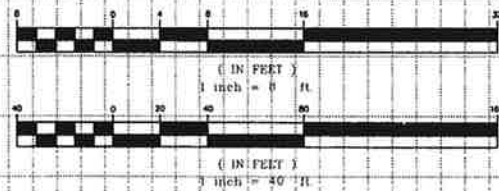


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Exp. 04-30-10

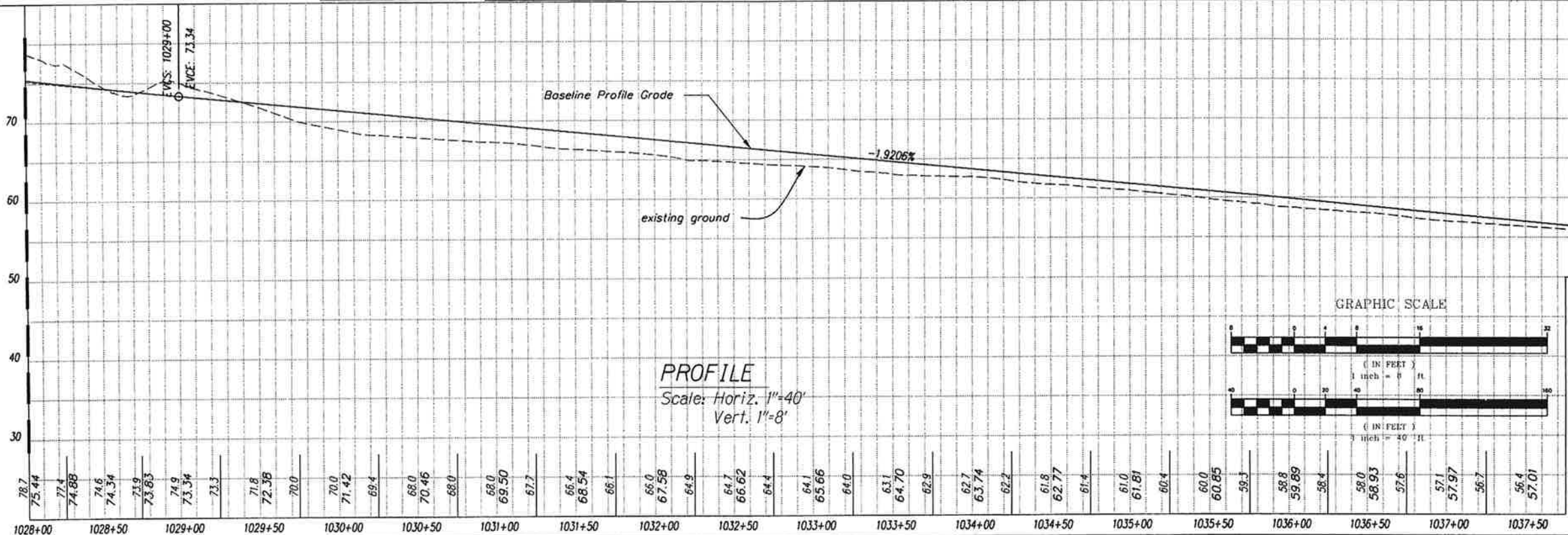
Wesley R. Sappone & Associates, Inc.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY PLAN & PROFILE
STA. 1028+00 TO STA. 1038+00
QUEEN KAAHUMANU HIGHWAY WIDENING
HENRY ST. to KEALAKEHE PKWY - PHASE I
Federal Aid Project No. NH-019-1(20)
Scale: As Shown Date: November 2009
SHEET No. 7 OF 15 SHEETS

GRAPHIC SCALE



PROFILE
Scale: Horiz. 1"=40'
Vert. 1"=8'



F/C	CURVE DATA (31)	F/C	CURVE DATA (32)	F/C	CURVE DATA (33)
△	8°05'30"	△	8°27'38"	△	10°54'43"
R	4565.00'	R	300.00'	R	300.00'
L	644.70'	L	44.30'	L	57.13'
T	322.89'	T	22.19'	T	28.65'
Lc	644.17'	Lc	44.26'	Lc	57.05'

PLAN
Scale: 1"=40'

Sta. 1028+46.01
16.70' RI - F/C P.T.
Sta. 1028+01.69
19.84' RI - F/C P.C.
Sta. 1028+00.61
53.83' RI - F/C P.T.

Sta. 1029+84.47
2.00' LI - F/C P.T.
Sta. 1029+37.61
1.95' RI - F/C P.C.
Sta. 1029+82.76
67.23' RI - End 180' Taper

Sta. 1033+80.45
0.28' RI - F/C P.T.
Sta. 1033+54.65
70.09' RI - F/C P.C.
Sta. 1034+47.05
167.02' RI - F/C
End Curve
Sta. 1034+41.38
247.10' RI - F/C
TC 68.07

Sta. 1035+33.45
159.21' RI - F/C
End Curve
Sta. 1035+25.82
251.96' RI - F/C
TC 68.07

F/C CURVE DATA (34)
△ 4°54'37"
R 4505.00'
L 386.09'
T 193.16'
Lc 385.97'

Sta. 1029+84.47
2.00' LI - F/C P.T.
Sta. 1029+37.61
1.95' RI - F/C P.C.

Sta. 1033+80.45
0.28' RI - F/C P.T.
Sta. 1033+54.65
70.09' RI - F/C P.C.

Sta. 1034+47.05
167.02' RI - F/C
End Curve
Sta. 1034+41.38
247.10' RI - F/C
TC 68.07

Sta. 1035+33.45
159.21' RI - F/C
End Curve
Sta. 1035+25.82
251.96' RI - F/C
TC 68.07

F/C CURVE DATA (34)
△ 4°54'37"
R 4505.00'
L 386.09'
T 193.16'
Lc 385.97'

Sta. 1029+84.47
2.00' LI - F/C P.T.
Sta. 1029+37.61
1.95' RI - F/C P.C.

Sta. 1033+80.45
0.28' RI - F/C P.T.
Sta. 1033+54.65
70.09' RI - F/C P.C.

Sta. 1034+47.05
167.02' RI - F/C
End Curve
Sta. 1034+41.38
247.10' RI - F/C
TC 68.07

Sta. 1035+33.45
159.21' RI - F/C
End Curve
Sta. 1035+25.82
251.96' RI - F/C
TC 68.07

F/C CURVE DATA (34)
△ 4°54'37"
R 4505.00'
L 386.09'
T 193.16'
Lc 385.97'

Sta. 1029+84.47
2.00' LI - F/C P.T.
Sta. 1029+37.61
1.95' RI - F/C P.C.

Sta. 1033+80.45
0.28' RI - F/C P.T.
Sta. 1033+54.65
70.09' RI - F/C P.C.

Sta. 1034+47.05
167.02' RI - F/C
End Curve
Sta. 1034+41.38
247.10' RI - F/C
TC 68.07

Sta. 1035+33.45
159.21' RI - F/C
End Curve
Sta. 1035+25.82
251.96' RI - F/C
TC 68.07

F/C CURVE DATA (34)
△ 4°54'37"
R 4505.00'
L 386.09'
T 193.16'
Lc 385.97'

Sta. 1029+84.47
2.00' LI - F/C P.T.
Sta. 1029+37.61
1.95' RI - F/C P.C.

Sta. 1033+80.45
0.28' RI - F/C P.T.
Sta. 1033+54.65
70.09' RI - F/C P.C.

Sta. 1034+47.05
167.02' RI - F/C
End Curve
Sta. 1034+41.38
247.10' RI - F/C
TC 68.07

Sta. 1035+33.45
159.21' RI - F/C
End Curve
Sta. 1035+25.82
251.96' RI - F/C
TC 68.07

F/C CURVE DATA (34)
△ 4°54'37"
R 4505.00'
L 386.09'
T 193.16'
Lc 385.97'

Sta. 1029+84.47
2.00' LI - F/C P.T.
Sta. 1029+37.61
1.95' RI - F/C P.C.

Sta. 1033+80.45
0.28' RI - F/C P.T.
Sta. 1033+54.65
70.09' RI - F/C P.C.

Sta. 1034+47.05
167.02' RI - F/C
End Curve
Sta. 1034+41.38
247.10' RI - F/C
TC 68.07

Sta. 1035+33.45
159.21' RI - F/C
End Curve
Sta. 1035+25.82
251.96' RI - F/C
TC 68.07

F/C CURVE DATA (34)
△ 4°54'37"
R 4505.00'
L 386.09'
T 193.16'
Lc 385.97'

Sta. 1029+84.47
2.00' LI - F/C P.T.
Sta. 1029+37.61
1.95' RI - F/C P.C.

Sta. 1033+80.45
0.28' RI - F/C P.T.
Sta. 1033+54.65
70.09' RI - F/C P.C.

Sta. 1034+47.05
167.02' RI - F/C
End Curve
Sta. 1034+41.38
247.10' RI - F/C
TC 68.07

Sta. 1035+33.45
159.21' RI - F/C
End Curve
Sta. 1035+25.82
251.96' RI - F/C
TC 68.07

F/C CURVE DATA (34)
△ 4°54'37"
R 4505.00'
L 386.09'
T 193.16'
Lc 385.97'

Sta. 1029+84.47
2.00' LI - F/C P.T.
Sta. 1029+37.61
1.95' RI - F/C P.C.

Sta. 1033+80.45
0.28' RI - F/C P.T.
Sta. 1033+54.65
70.09' RI - F/C P.C.

Sta. 1034+47.05
167.02' RI - F/C
End Curve
Sta. 1034+41.38
247.10' RI - F/C
TC 68.07

Sta. 1035+33.45
159.21' RI - F/C
End Curve
Sta. 1035+25.82
251.96' RI - F/C
TC 68.07

F/C CURVE DATA (34)
△ 4°54'37"
R 4505.00'
L 386.09'
T 193.16'
Lc 385.97'

Sta. 1029+84.47
2.00' LI - F/C P.T.
Sta. 1029+37.61
1.95' RI - F/C P.C.

Sta. 1033+80.45
0.28' RI - F/C P.T.
Sta. 1033+54.65
70.09' RI - F/C P.C.

Sta. 1034+47.05
167.02' RI - F/C
End Curve
Sta. 1034+41.38
247.10' RI - F/C
TC 68.07

Sta. 1035+33.45
159.21' RI - F/C
End Curve
Sta. 1035+25.82
251.96' RI - F/C
TC 68.07

F/C CURVE DATA (34)
△ 4°54'37"
R 4505.00'
L 386.09'
T 193.16'
Lc 385.97'

Sta. 1029+84.47
2.00' LI - F/C P.T.
Sta. 1029+37.61
1.95' RI - F/C P.C.

Sta. 1033+80.45
0.28' RI - F/C P.T.
Sta. 1033+54.65
70.09' RI - F/C P.C.

Sta. 1034+47.05
167.02' RI - F/C
End Curve
Sta. 1034+41.38
247.10' RI - F/C
TC 68.07

Sta. 1035+33.45
159.21' RI - F/C
End Curve
Sta. 1035+25.82
251.96' RI - F/C
TC 68.07

F/C CURVE DATA (34)
△ 4°54'37"
R 4505.00'
L 386.09'
T 193.16'
Lc 385.97'

Sta. 1029+84.47
2.00' LI - F/C P.T.
Sta. 1029+37.61
1.95' RI - F/C P.C.

Sta. 1033+80.45
0.28' RI - F/C P.T.
Sta. 1033+54.65
70.09' RI - F/C P.C.

Sta. 1034+47.05
167.02' RI - F/C
End Curve
Sta. 1034+41.38
247.10' RI - F/C
TC 68.07

Sta. 1035+33.45
159.21' RI - F/C
End Curve
Sta. 1035+25.82
251.96' RI - F/C
TC 68.07

F/C CURVE DATA (34)
△ 4°54'37"
R 4505.00'
L 386.09'
T 193.16'
Lc 385.97'

Sta. 1029+84.47
2.00' LI - F/C P.T.
Sta. 1029+37.61
1.95' RI - F/C P.C.

Sta. 1033+80.45
0.28' RI - F/C P.T.
Sta. 1033+54.65
70.09' RI - F/C P.C.

Sta. 1034+47.05
167.02' RI - F/C
End Curve
Sta. 1034+41.38
247.10' RI - F/C
TC 68.07

Sta. 1035+33.45
159.21' RI - F/C
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251.96' RI - F/C
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Sta. 1033+54.65
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Sta. 1034+47.05
167.02' RI - F/C
End Curve
Sta. 1034+41.38
247.10' RI - F/C
TC 68.07

Sta. 1035+33.45
159.21' RI - F/C
End Curve
Sta. 1035+25.82
251.96' RI - F/C
TC 68.07

F/C CURVE DATA (34)
△ 4°54'37"
R 4505.00'
L 386.09'
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Lc 385.97'

Sta. 1029+84.47
2.00' LI - F/C P.T.
Sta. 1029+37.61
1.95' RI - F/C P.C.

Sta. 1033+80.45
0.28' RI - F/C P.T.
Sta. 1033+54.65
70.09' RI - F/C P.C.

Sta. 1034+47.05
167.02' RI - F/C
End Curve
Sta. 1034+41.38
247.10' RI - F/C
TC 68.07

Sta. 1035+33.45
159.21' RI - F/C
End Curve
Sta. 1035+25.82
251.96' RI - F/C
TC 68.07

F/C CURVE DATA (34)
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Sta. 1029+37.61
1.95' RI - F/C P.C.

Sta. 1033+80.45
0.28' RI - F/C P.T.
Sta. 1033+54.65
70.09' RI - F/C P.C.

Sta. 1034+47.05
167.02' RI - F/C
End Curve
Sta. 1034+41.38
247.10' RI - F/C
TC 68.07

Sta. 1035+33.45
159.21' RI - F/C
End Curve
Sta. 1035+25.82
251.96' RI - F/C
TC 68.07

F/C CURVE DATA (34)
△ 4°54'37"
R 4505.00'
L 386.09'
T 193.16'
Lc 385.97'

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Sta. 1029+37.61
1.95' RI - F/C P.C.

Sta. 1033+80.45
0.28' RI - F/C P.T.
Sta. 1033+54.65
70.09' RI - F/C P.C.

Sta. 1034+47.05
167.02' RI - F/C
End Curve
Sta. 1034+41.38
247.10' RI - F/C
TC 68.07

Sta. 1035+33.45
159.21' RI - F/C
End Curve
Sta. 1035+25.82
251.96' RI - F/C
TC 68.07

F/C CURVE DATA (34)
△ 4°54'37"
R 4505.00'
L 386.09'
T 193.16'
Lc 385.97'

Sta. 1029+84.47
2.00' LI - F/C P.T.
Sta. 1029+37.61
1.95' RI - F/C P.C.

Sta. 1033+80.45
0.28' RI - F/C P.T.
Sta. 1033+54.65
70.09' RI - F/C P.C.

Sta. 1034+47.05
167.02' RI - F/C
End Curve
Sta. 1034+41.38
247.10' RI - F/C
TC 68.07

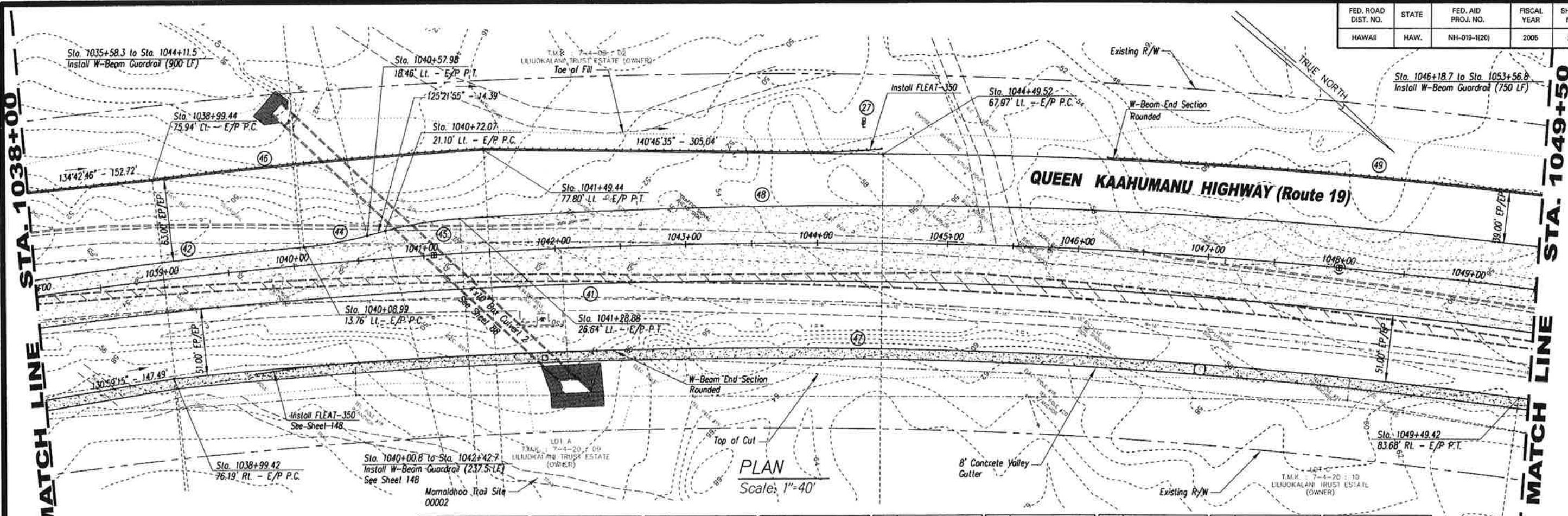
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159.21' RI - F/C
End Curve
Sta. 1035+25.82
251.96' RI - F/C
TC 68.07

F/C CURVE DATA (34)
△ 4°54'37"
R 4505.00'
L 386.09'
T 193.16'
Lc 385.97'

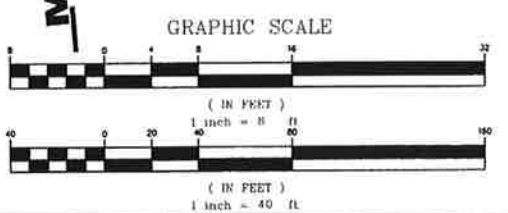
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2.00' LI - F/C P.T.
Sta. 1029+37.61
1.95' RI - F/C P.C.

Sta. 1033+80.45
0.28' RI - F/C P.T.
Sta. 1033+54.65
70.09' RI - F/C P.C.

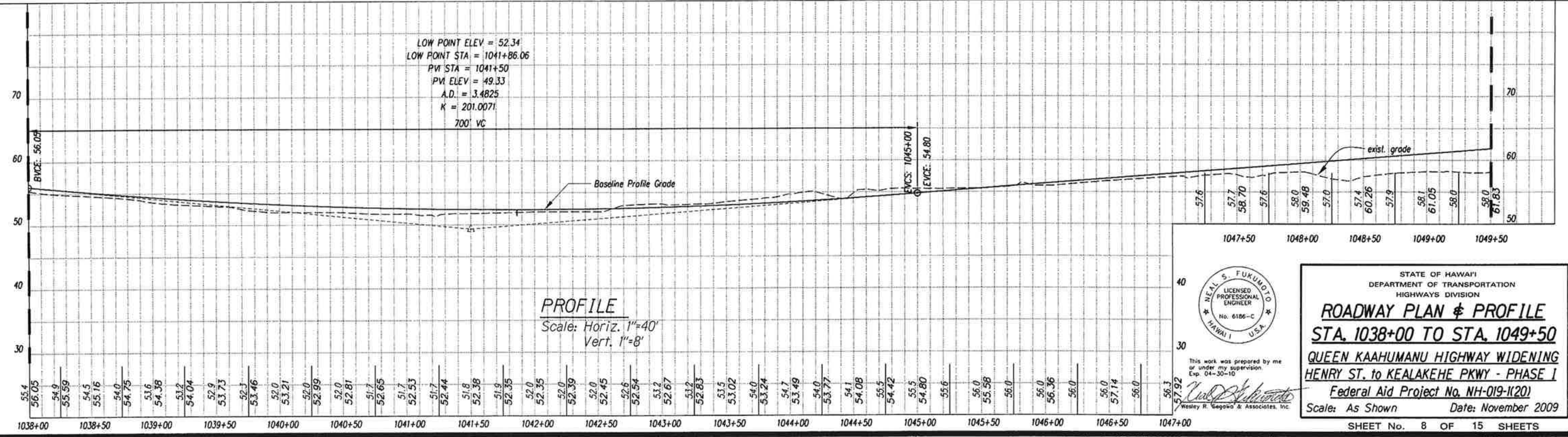
Sta.



PLAN
Scale: 1"=40'



B/L	CURVE DATA (27)	E/P	CURVE DATA (41)	E/P	CURVE DATA (42)	E/P	CURVE DATA (44)	E/P	CURVE DATA (45)	E/P	CURVE DATA (46)	E/P	CURVE DATA (47)	E/P	CURVE DATA (48)	E/P	CURVE DATA (49)
△	37°12'54"	△	25°05'02"	△	4°48'09"	△	9°26'41"	△	10°58'33"	△	3°11'24"	△	10°59'37"	△	19°34'32"	△	15°28'43"
R	4500.00'	R	4484.00'	R	4504.00'	R	300.00'	R	300.00'	R	4567.00'	R	4433.00'	R	4516.00'	R	4555.00'
L	2922.86'	L	1963.08'	L	377.53'	L	49.45'	L	57.47'	L	254.27'	L	784.50'	L	1542.93'	L	1230.55'
T	1515.07'	T	997.52'	T	188.88'	T	24.78'	T	28.82'	T	127.17'	T	426.60'	T	779.06'	T	619.04'
Lc	2871.75'	Lc	1947.44'	Lc	377.42'	Lc	49.40'	Lc	57.38'	Lc	254.24'	Lc	783.48'	Lc	1535.43'	Lc	1226.81'



PROFILE
Scale: Horiz. 1"=40'
Vert. 1"=8'

NEAL S. FUKUMOTO
LICENSED PROFESSIONAL ENGINEER
No. 6186-C
HAWAII U.S.A.

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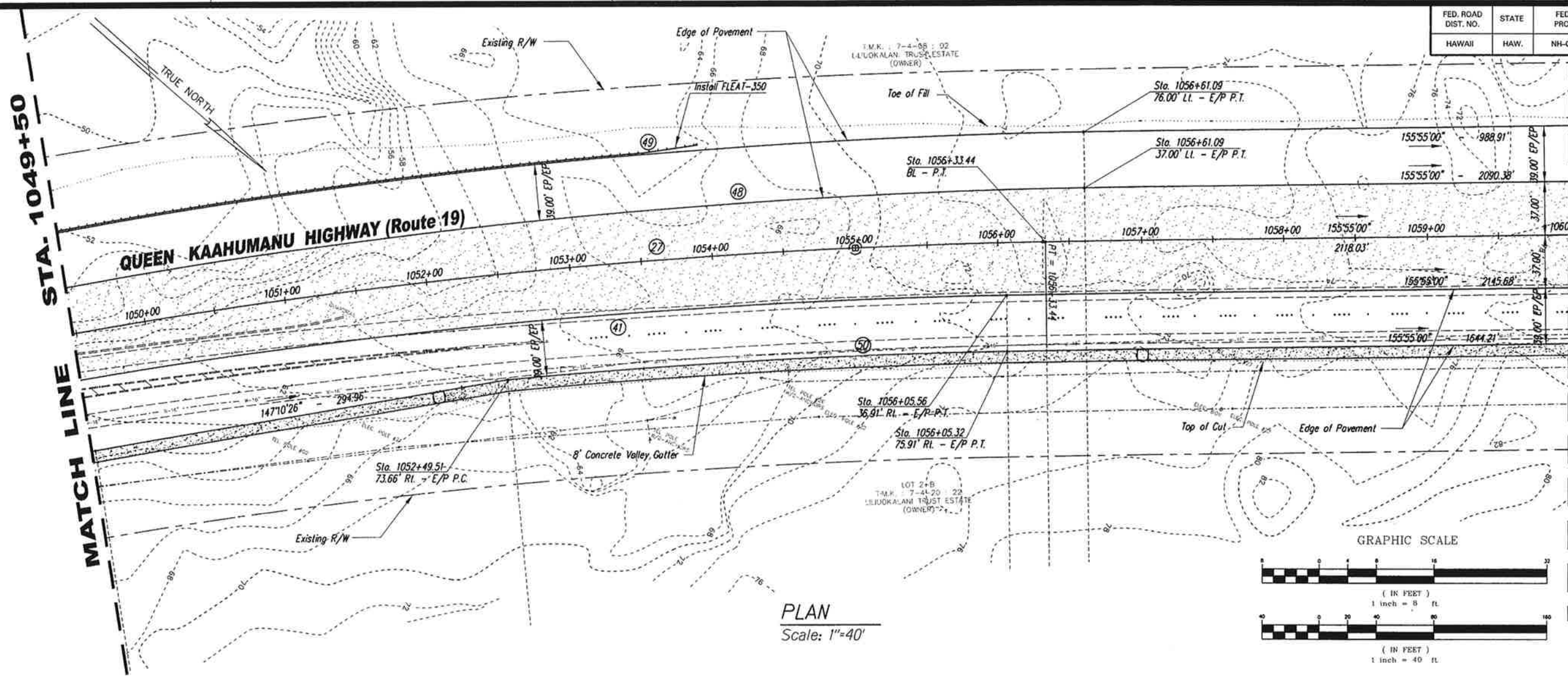
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN & PROFILE
STA. 1038+00 TO STA. 1049+50
QUEEN KAAHUMANU HIGHWAY WIDENING
HENRY ST. to KEALAKEHE PKWY - PHASE I
Federal Aid Project No. NH-019-1(20)
Scale: As Shown Date: November 2009

SHEET No. 8 OF 15 SHEETS

ORIGINAL PLAN	DATE
NOTED	
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	30	315



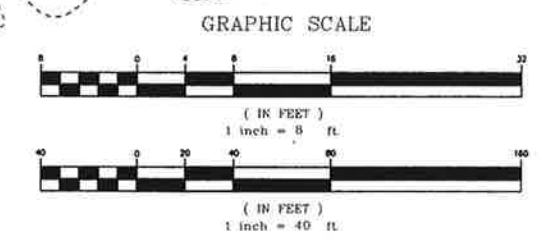
BL	CURVE DATA	
△	37°12'54"	(27)
R	4500.00'	
L	2922.86'	
T	1515.07'	
L _c	2871.75'	

E/P	CURVE DATA	
△	25°05'02"	(41)
R	4484.00'	
L	1963.08'	
T	997.52'	
L _c	1947.44'	

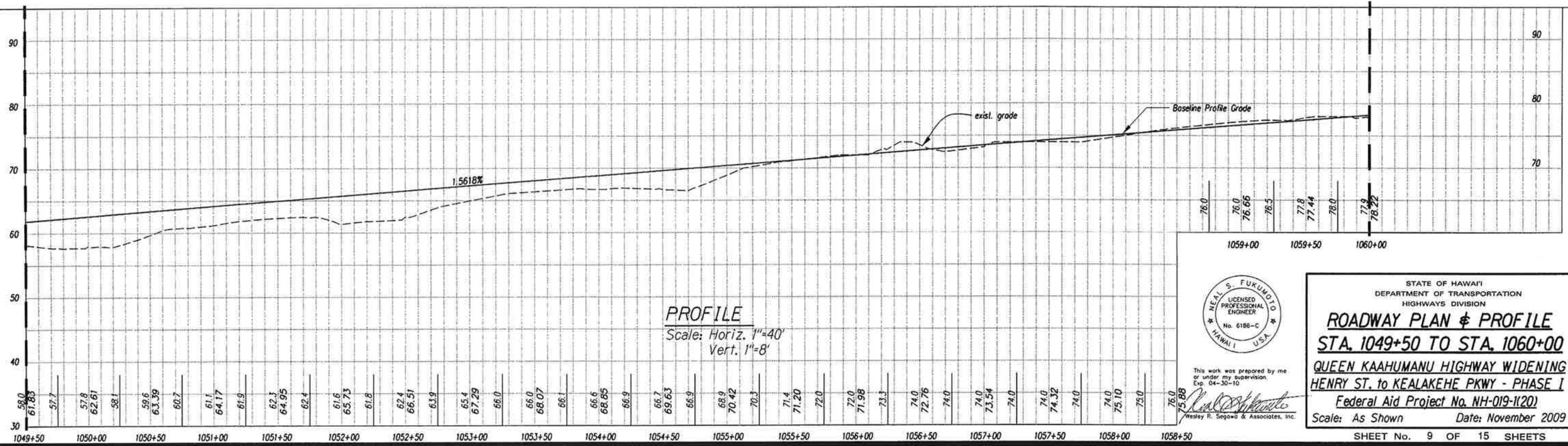
E/P	CURVE DATA	
△	19°34'32"	(48)
R	4516.00'	
L	1542.93'	
T	779.06'	
L _c	1535.43'	

E/P	CURVE DATA	
△	15°28'43"	(49)
R	4555.00'	
L	1230.55'	
T	619.04'	
L _c	1226.81'	

E/P	CURVE DATA	
△	4°30'37"	(50)
R	4445.00'	
L	349.90'	
T	175.04'	
L _c	349.81'	



PLAN
Scale: 1"=40'



PROFILE
Scale: Horiz. 1"=40'
Vert. 1"=8'



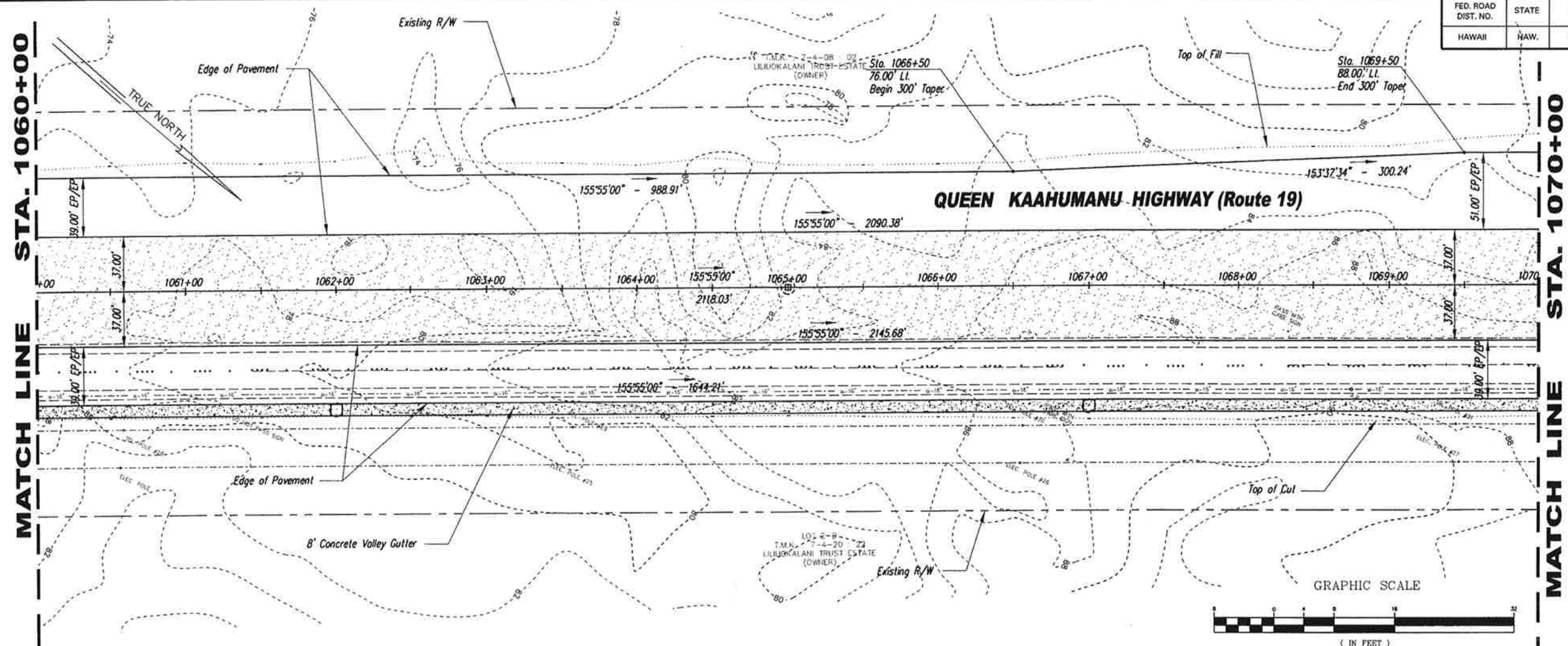
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Wesley R. Segawa & Associates, Inc.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

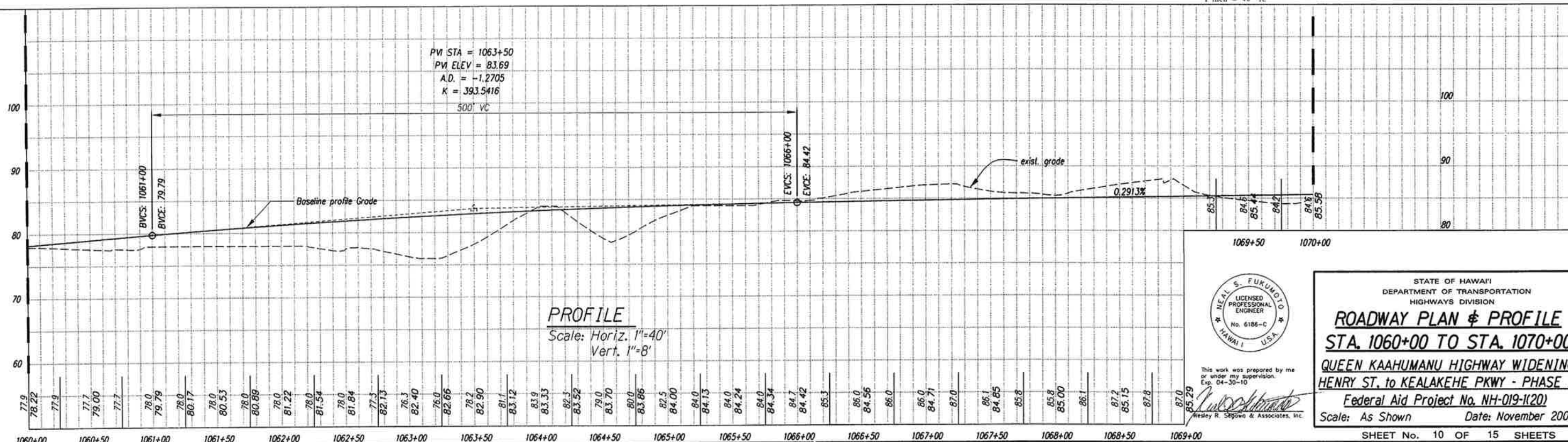
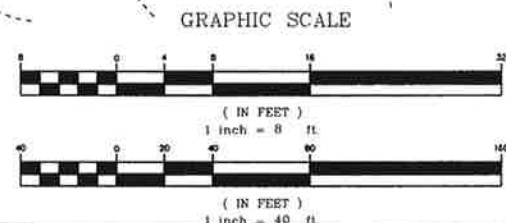
ROADWAY PLAN & PROFILE
STA. 1049+50 TO STA. 1060+00
QUEEN KAAHUMANU HIGHWAY WIDENING
HENRY ST. to KEALAKEHE PKWY - PHASE I
Federal Aid Project No. NH-019-1(20)
Scale: As Shown Date: November 2009

SURVEY DATED BY	DATE
DRAWN BY	
DESIGNED BY	
NOTED 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	31	35



PLAN
Scale: 1"=40'



PROFILE
Scale: Horiz. 1"=40'
Vert. 1"=8'

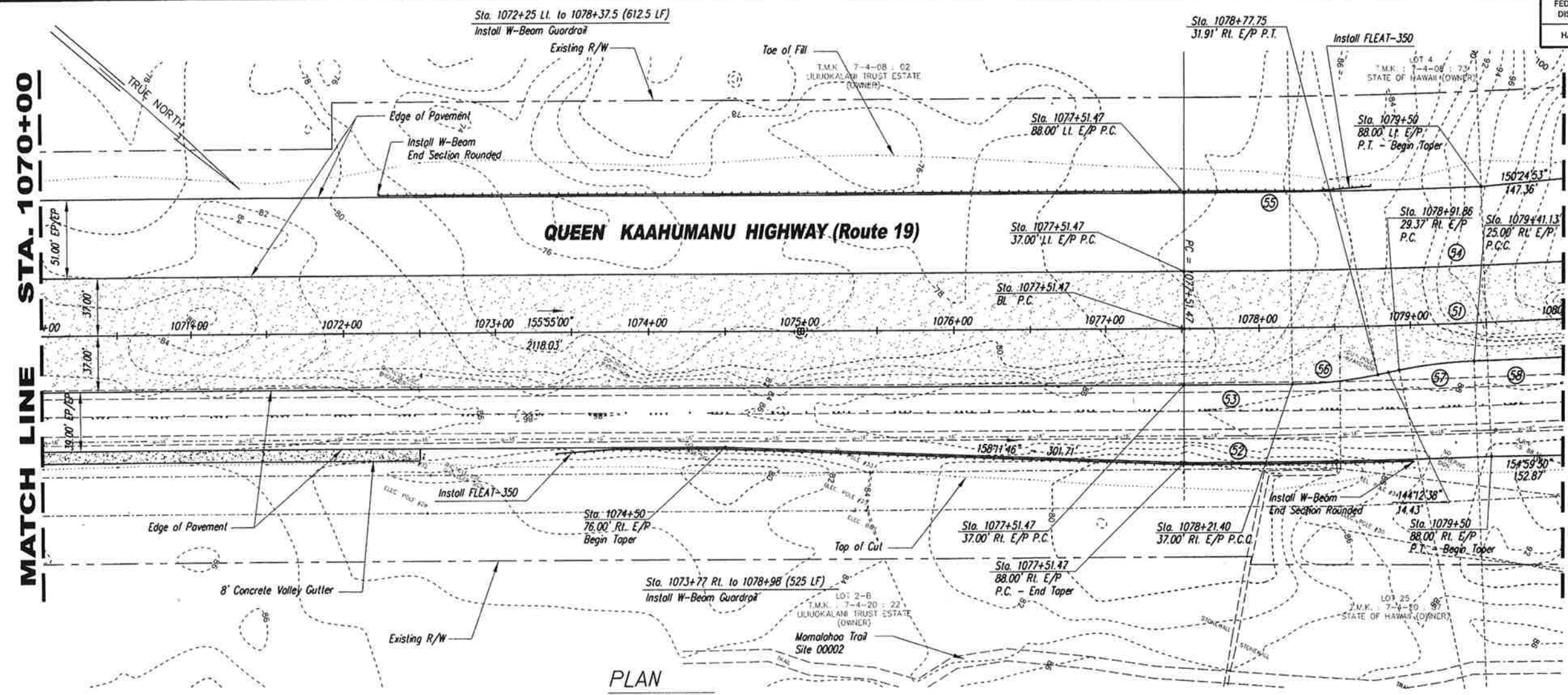


STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN & PROFILE
STA. 1060+00 TO STA. 1070+00
QUEEN KAAHUMANU HIGHWAY WIDENING
HENRY ST. to KEALAKEHE PKWY - PHASE I
Federal Aid Project No. NH-019-1(20)
Scale: As Shown Date: November 2009

ORIGINAL PLAN	DATE
DESIGNED BY	
NOTED BY	
CHECKED BY	

AS-BUILT



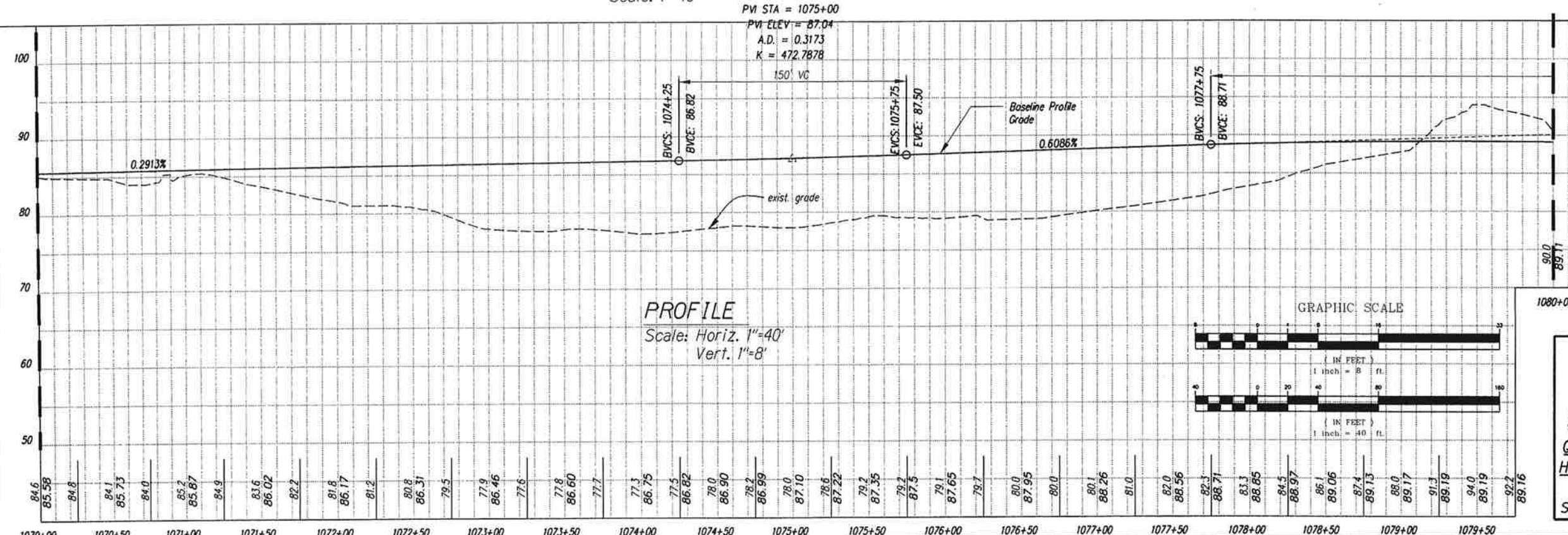
PLAN
Scale: 1"=40'

B/L	CURVE DATA (51)	E/P	CURVE DATA (55)
Δ	7'45"00"	Δ	2'77"59"
R	4946.00'	R	4858.00'
L	669.01'	L	195.00'
T	335.02'	T	97.51'
Lc	668.50'	Lc	194.98'

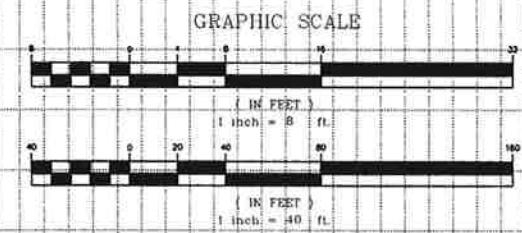
E/P	CURVE DATA (52)	E/P	CURVE DATA (56)
Δ	2'77"59"	Δ	10'53"45"
R	5034.00'	R	300.00'
L	202.06'	L	57.05'
T	101.04'	T	28.61'
Lc	202.05'	Lc	56.97'

E/P	CURVE DATA (53)	E/P	CURVE DATA (57)
Δ	0'48"36"	Δ	9'30"32"
R	4983.00'	R	300.00'
L	70.45'	L	49.79'
T	35.23'	T	24.95'
Lc	70.45'	Lc	49.73'

E/P	CURVE DATA (54)	E/P	CURVE DATA (58)
Δ	6'36"21"	Δ	4'22"43"
R	4909.00'	R	4971.00'
L	565.97'	L	379.90'
T	283.30'	T	190.04'
Lc	565.66'	Lc	379.80'



PROFILE
Scale: Horiz. 1"=40'
Vert. 1"=8'



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Neil S. Fukumoto
Wesley R. Sejawa & Associates, Inc.

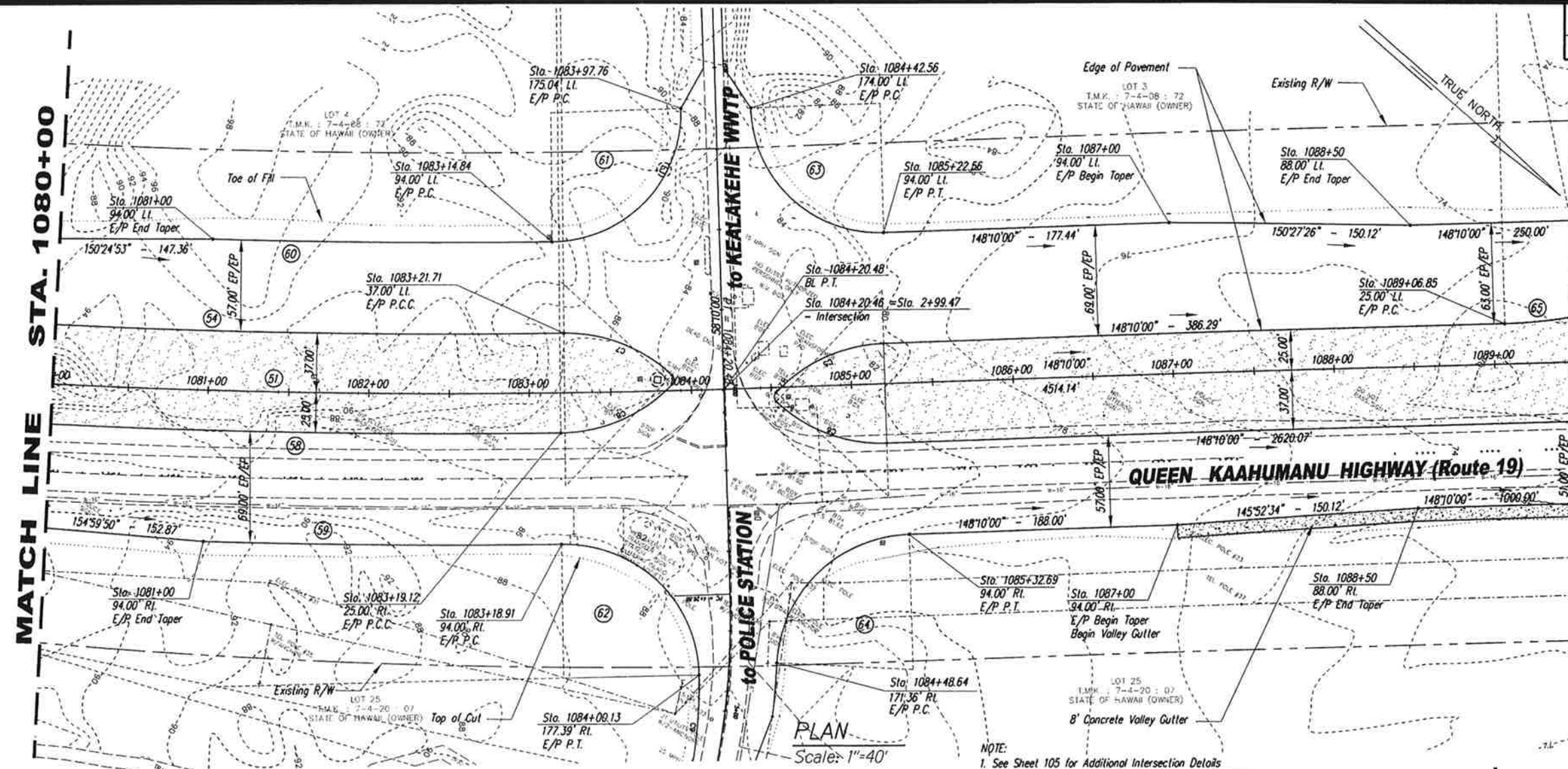
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN & PROFILE
STA. 1070+00 TO STA. 1080+00
QUEEN KAAHUMANU HIGHWAY WIDENING
HENRY ST. to KEALAKEHE PKWY - PHASE I
Federal Aid Project No. NH-019-1(20)

Scale: As Shown Date: November 2009

SHEET No. 11 OF 15 SHEETS

AS-BUILT



B/L	CURVE DATA (51)	E/P	CURVE DATA (61)
△	7'45'00"	△	91'13'26"
R	4946.00'	R	80.00'
L	669.01'	L	127.37'
T	335.02'	T	81.73'
Lc	668.50'	Lc	114.34'

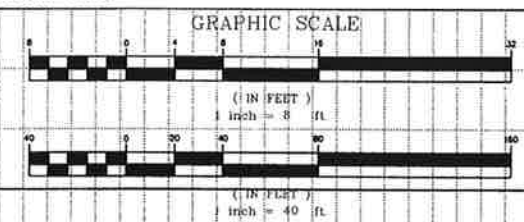
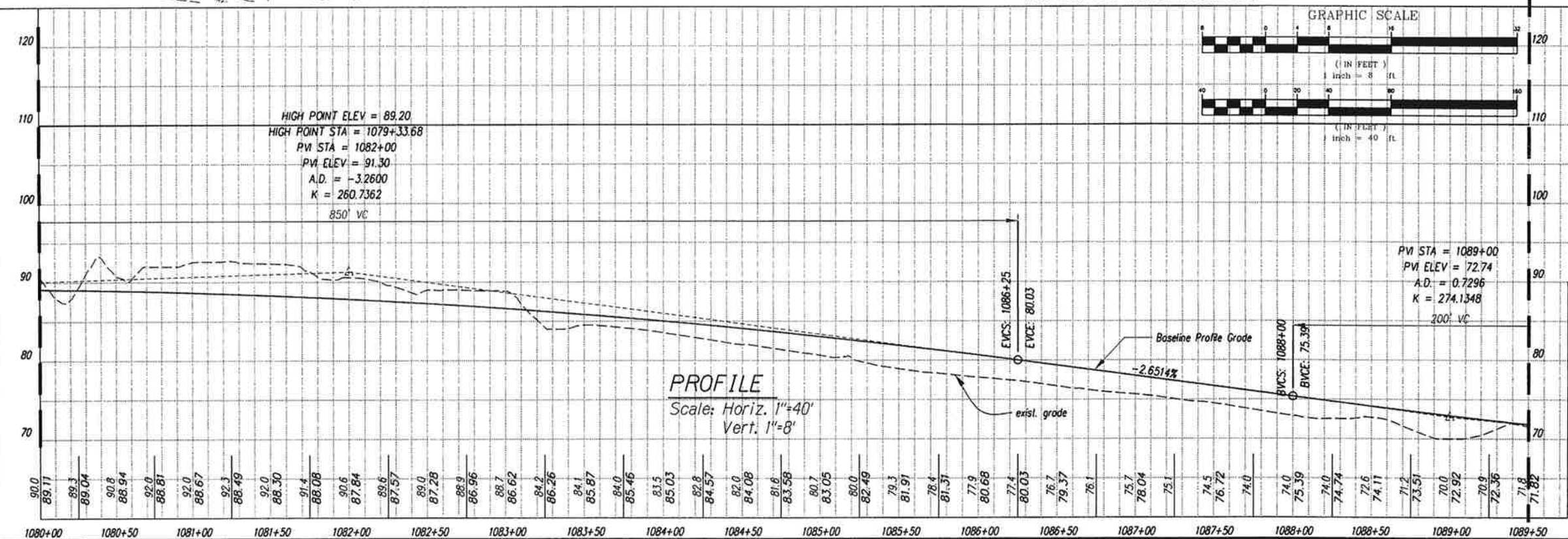
E/P	CURVE DATA (54)	E/P	CURVE DATA (62)
△	6'36'21"	△	89'44'12"
R	4909.00'	R	83.61'
L	565.97'	L	130.95'
T	283.30'	T	83.23'
Lc	565.66'	Lc	117.97'

E/P	CURVE DATA (58)	E/P	CURVE DATA (63)
△	4'22'43"	△	90'00'00"
R	4971.00'	R	80.00'
L	379.90'	L	125.66'
T	190.04'	T	80.00'
Lc	379.80'	Lc	113.14'

E/P	CURVE DATA (59)	E/P	CURVE DATA (64)
△	2'32'09"	△	85'14'35"
R	5040.00'	R	84.35'
L	223.07'	L	125.49'
T	111.55'	T	77.62'
Lc	223.05'	Lc	114.23'

E/P	CURVE DATA (60)	E/P	CURVE DATA (65)
△	2'29'19"	△	10'09'15"
R	4852.00'	R	300.00'
L	210.75'	L	53.17'
T	105.39'	T	26.65'
Lc	210.74'	Lc	53.10'

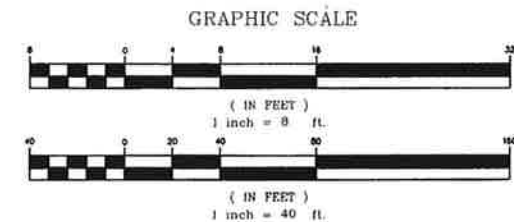
NOTE:
1. See Sheet 105 for Additional Intersection Details



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Wesley R. Segawa & Associates, Inc.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY PLAN & PROFILE
STA. 1080+00 TO STA. 1089+50
QUEEN KAAHUMANU HIGHWAY WIDENING
HENRY ST. to KEALAKEHE PKWY - PHASE I
Federal Aid Project No. NH-019-1(20)
Scale: As Shown Date: November 2009

E/P	CURVE DATA	(66)
Δ	10°09'15"	
R	300.00'	
L	53.17'	
T	26.65'	
L _c	53.10'	



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Exp. 04-30-10


Wesley R. Segawa & Associates, Inc.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

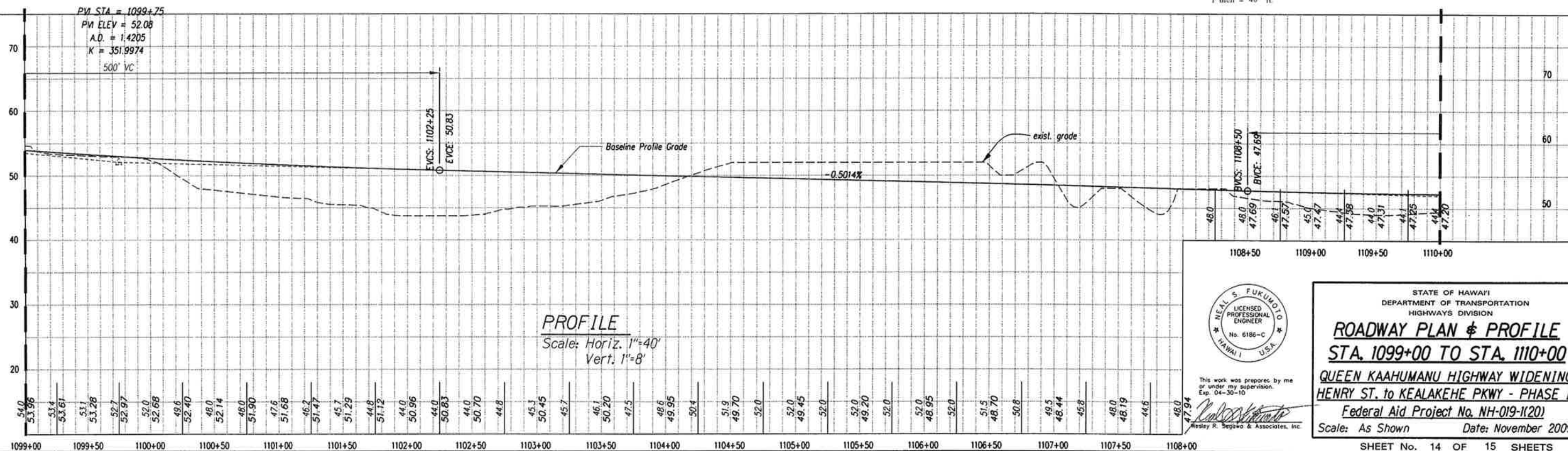
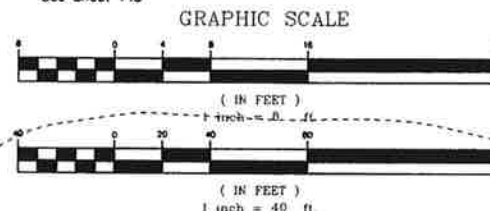
ROADWAY PLAN & PROFILE
STA. 1089+50 TO STA. 1099+00
QUEEN KAAHUMANU HIGHWAY WIDENING
HENRY ST. to KEALAKEHE PKWY - PHASE I
Federal Aid Project No. NH-019-1(20)

Scale: As Shown Date: November 2009

SHEET No. 13 OF 15 SHEETS

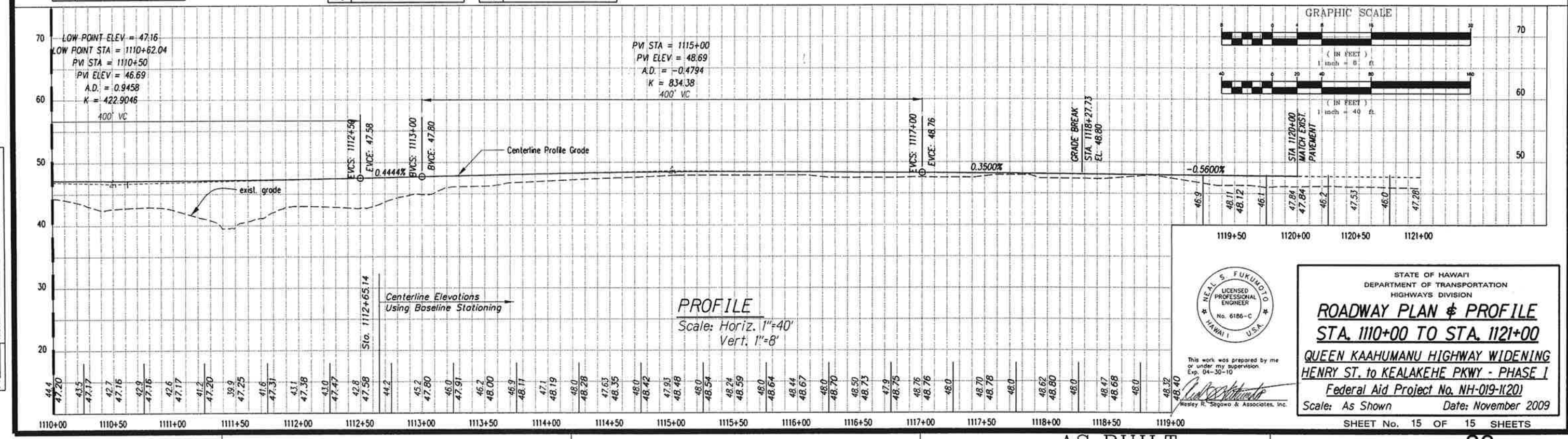
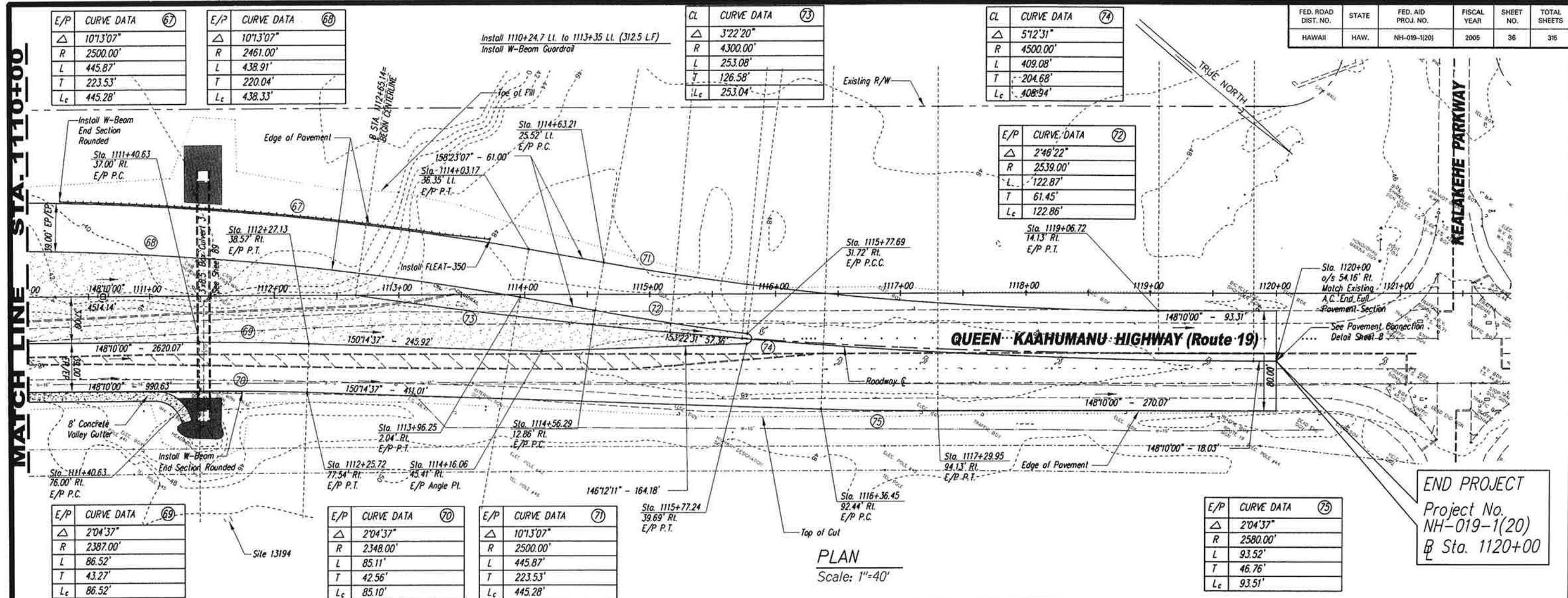
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Δ	10°13'07"
R	2500.00'
L	445.87'
T	223.53'
L_c	445.28'

E/P	CURVE DATA (68)
Δ	107°3'07"
R	2461.00'
L	438.91'
T	220.04'
L_c	438.33'



AS-BUILT

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-1(20)	2005	36	315



SURVEY PLOTTED BY	DATE
DESIGNED BY	
TRACED BY	
NOTED BY	
CHECKED BY	



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN & PROFILE
STA. 1110+00 TO STA. 1121+00
QUEEN KAAHUMANU HIGHWAY WIDENING
HENRY ST. to KEALAKEHE PKWY - PHASE 1
Federal Aid Project No. NH-019-1(20)
Scale: As Shown Date: November 2009

SHEET No. 15 OF 15 SHEETS

AS-BUILT