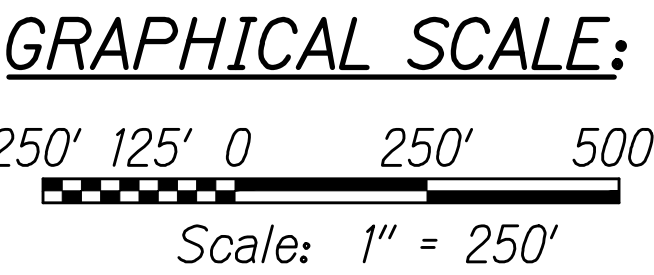


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-1(38)R	2016	C.O. 38	528

Project Baseline Curve No. 1 Data			
	NB	Project Baseline	SB
Delta Δ	19°49'30"	19°49'30"	17°31'10"
Radius	6000.00'	6054.00'	6058.00'
Tangent	1048.52'	1057.95'	933.47'
Chord	2065.73'	2084.32'	1845.17'
Length	2076.07'	2094.75'	1852.37'

Project Baseline Curve No. 2 Data			
	NB	Project Baseline	SB
Delta Δ	18°23'00"	18°23'00"	18°23'00"
Radius	6000.00'	5946.00'	5942.00'
Tangent	970.89'	962.15'	961.51'
Chord	1916.85'	1899.60'	1898.32'
Length	1925.10'	1907.77'	1906.49'

SB Baseline Curve Data			
Curve No.	1a	2a	2b
Delta Δ	2°18'19"	1°51'21"	1°51'21"
Radius	10000.00'	10000.00'	10000.00'
Tangent	201.21'	161.97'	161.97'
Chord	402.34'	323.90'	323.90'
Length	402.37'	323.92'	323.92'



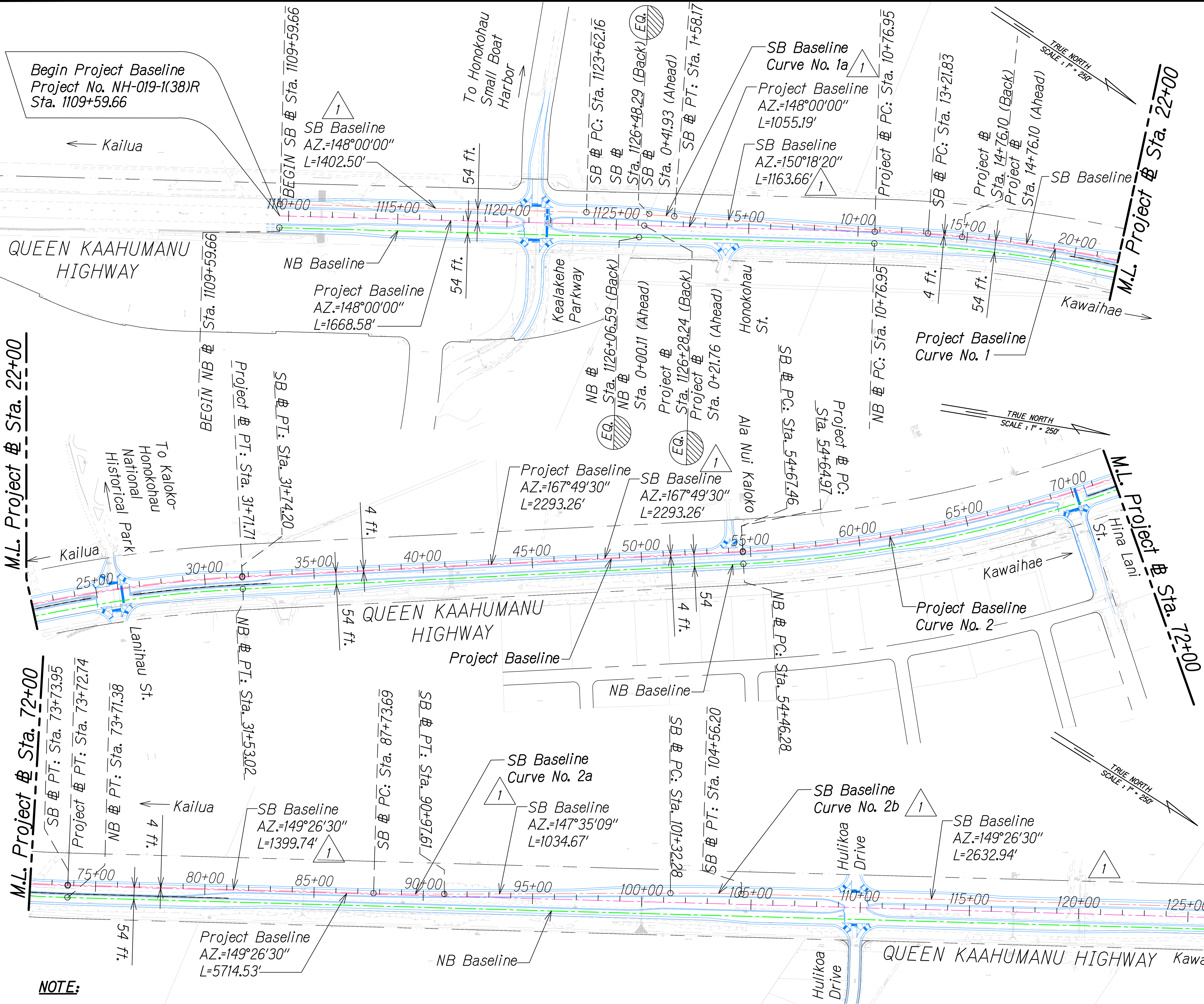
1/22/16	SB realignment; Removal of proposed Kohanaiki driveway
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

BASELINE DATA

QUEEN KAAHUMANU HIGHWAY WIDENING
Kealahke Pkwy. To Keahole Airport Rd.(Ph. 2)
Federal Aid Project No. NH-019-1(38)R
Scale: AS NOTED Date: AUGUST 2016

SHEET No. 1 OF 2 SHEETS



NOTE:

- Origin of Azimuths: "KAILUA (North Meridian)"
- Coordinates referred to: "KAILUA (North Meridian)"
- SB Baseline referenced as construction baseline for work along highway.

Notes:

- Baseline Design Emax. = 10%
- Baseline Alignment Design Speed = 70 MPH
- Baseline Curve No. 1 Design Speed (SB only) = 55 MPH
- Baseline Curve Superelevation Rate = 0.04 ft./ft.
- Baseline Curve No. 1 Superelevation Rate (SB only) = 0.0240 ft./ft.

BASELINE PLAN-1
Scale: 1" = 250'

AUSTIN W. DRAKE
LICENSED PROFESSIONAL ENGINEER
NO. 13059-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.
Signature: Austin W. Drake
EXPIRATION DATE OF THE LICENSE: APRIL 30, 2018

DATE	
SURVEY PLOTTED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

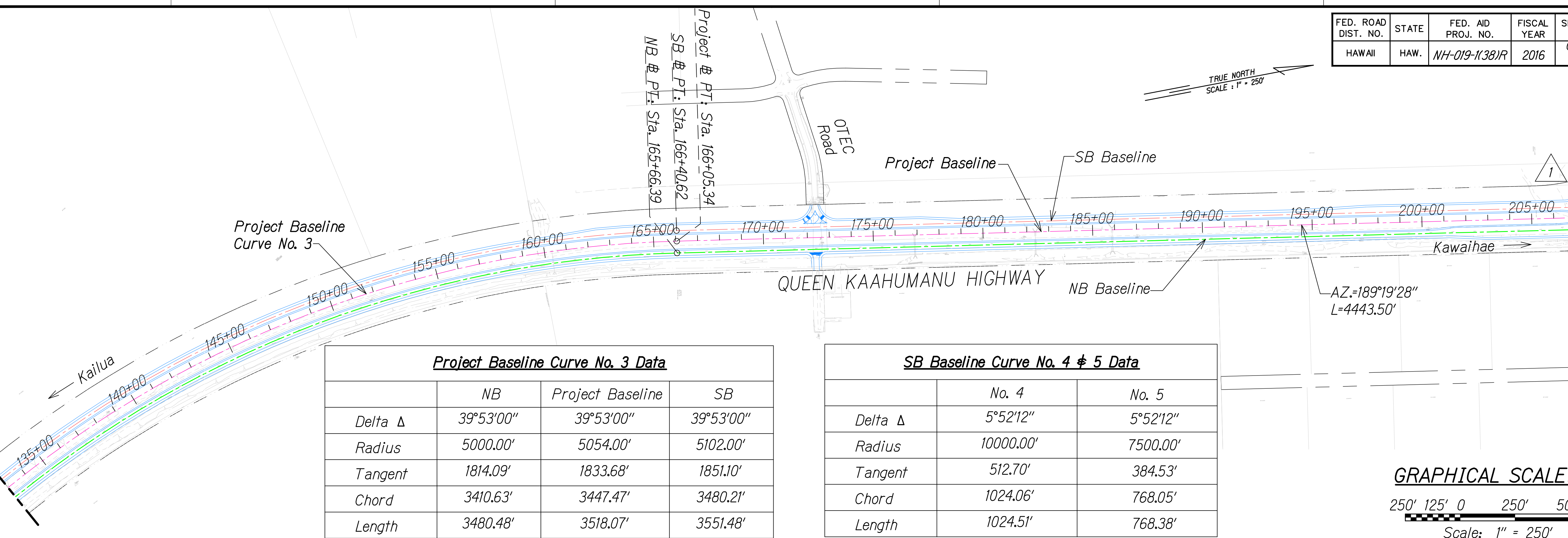
W:_L_CIVIL_3D_PROJECTS\2008_2013_001_GBI_QUEEN K HWY WIDENING\01 CIVIL DRAWINGS\038 BASELINE PLAN 01.DWG 9/8/2016 9:48 AM

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-1(38)R	2016	C.O. 39	528

TRUE NORTH
SCALE : 1" = 250'

M.L. Project @ Sta. 133+00

M.L. Project @ Sta. 207+00



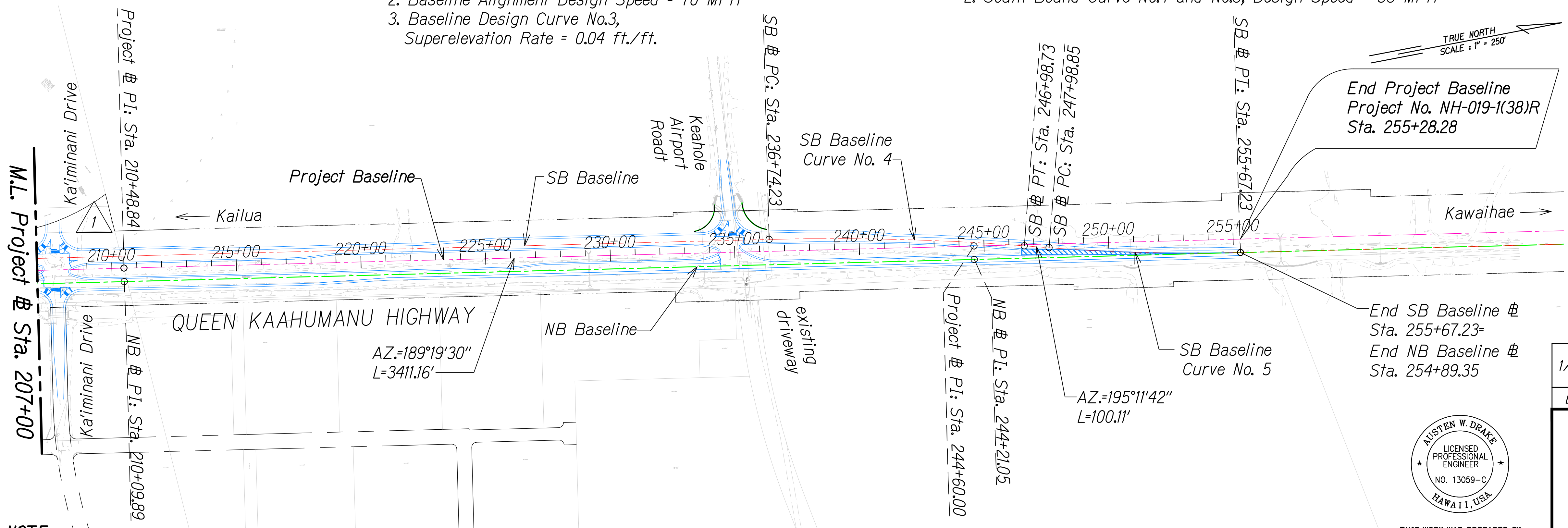
Project Baseline Curve No. 3 Data			
	NB	Project Baseline	SB
Delta Δ	39°53'00"	39°53'00"	39°53'00"
Radius	5000.00'	5054.00'	5102.00'
Tangent	1814.09'	1833.68'	1851.10'
Chord	3410.63'	3447.47'	3480.21'
Length	3480.48'	3518.07'	3551.48'

SB Baseline Curve No. 4 & 5 Data		
	No. 4	No. 5
Delta Δ	5°52'12"	5°52'12"
Radius	10000.00'	7500.00'
Tangent	512.70'	384.53'
Chord	1024.06'	768.05'
Length	1024.51'	768.38'

GRAPHICAL SCALE:
250' 125' 0 250' 500'
Scale: 1" = 250'

- Notes:
1. Baseline Design Emax. = 10%
 2. Baseline Alignment Design Speed = 70 MPH
 3. Baseline Design Curve No.3, Superelevation Rate = 0.04 ft./ft.

- Notes:
1. South Bound Curve No.4 and No.5, Design Emax. = 10%
 2. South Bound Curve No.4 and No.5, Design Speed = 55 MPH

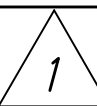


- NOTE:
1. Origin of Azimuths: "KAILUA (North Meridian)"
 2. Coordinates referred to: "KAILUA (North Meridian)"
 3. SB Baseline referenced as construction baseline for work along highway.

BASELINE PLAN-2
Scale: 1" = 250'



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION AND
CONSTRUCTION OF THIS PROJECT
WILL BE UNDER MY OBSERVATION.
Austen W. Drake APRIL 30, 2018
SIGNATURE EXPIRATION DATE OF THE LICENSE

1/22/16		Ka'imīnani R.O.W. update
DATE	REVISION	
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION		
<u><u><i>BASELINE DATA</i></u></u>		
<i>QUEEN KAAHUMANU HIGHWAY WIDENING</i> <i>Kealahoe Pkwy. To Keahole Airport Rd.(Ph. 2)</i> <i>Federal Aid Project No. NH-019-1(38)R</i>		
Scale: AS NOTED		Date: AUGUST 2016
SHEET No. 2 OF 2 SHEETS		