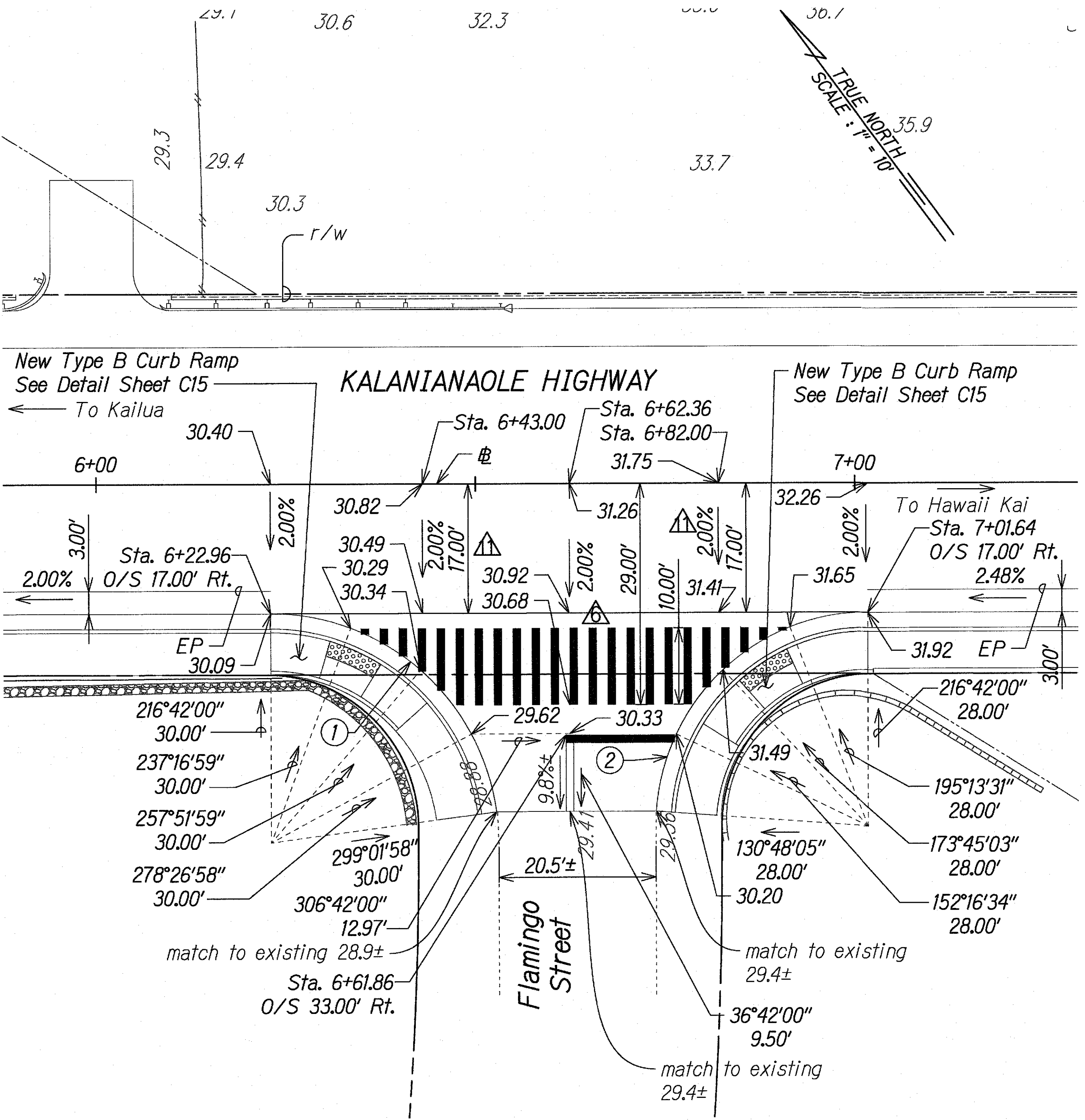
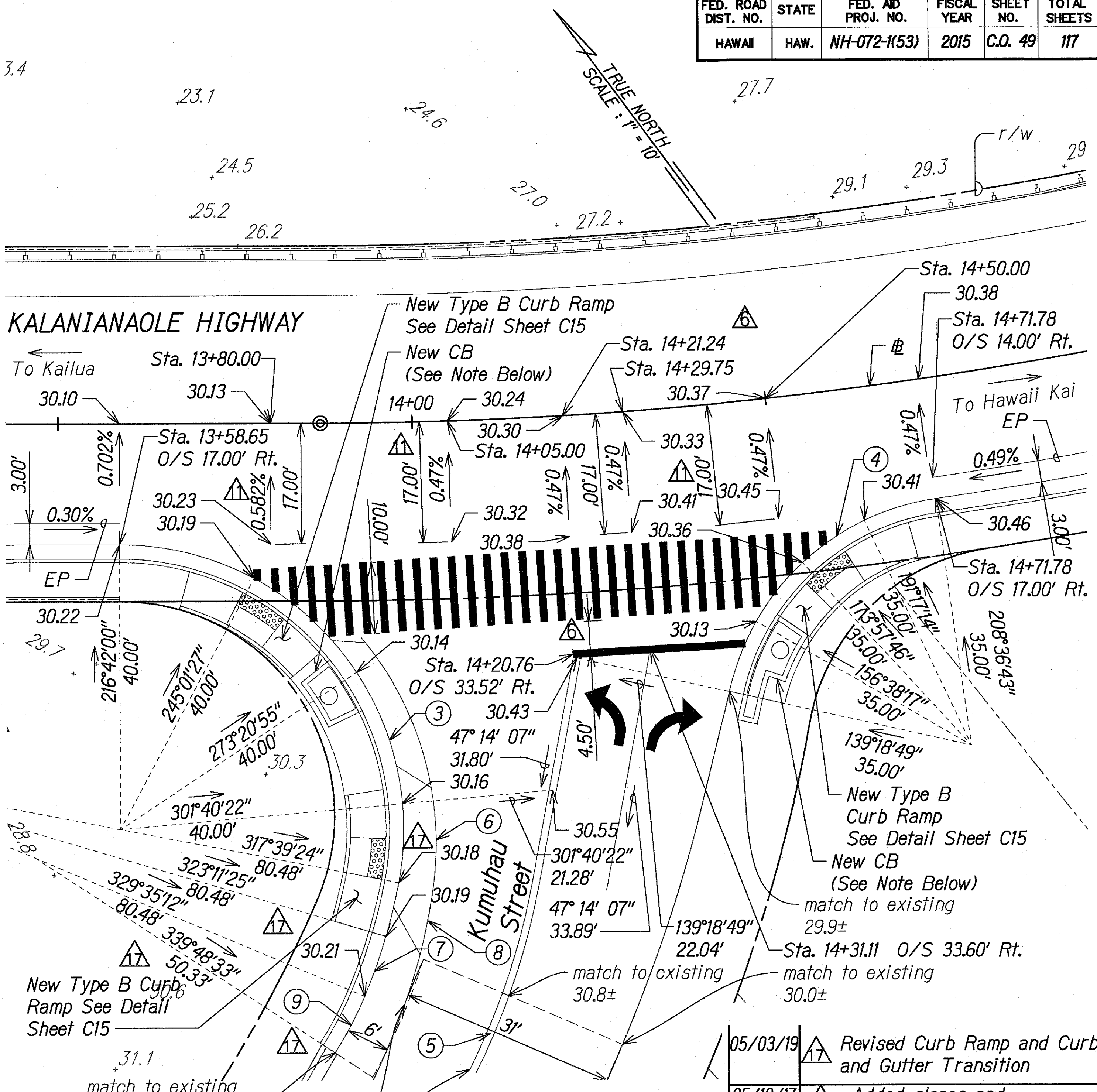
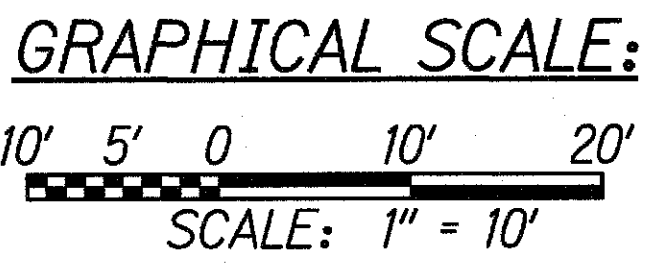


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(53)	2015	C.O. 49	117



PLAN
SCALE: 1" = 10'

CURVE	①	②	③	④	⑤	⑥	⑦	⑧	⑨
Δ	82°19'58"	85°53'55"	100°57'24"	69°17'54"	16°14'38"	47°35'47"	11°55'48"	12°22'10"	10°13'20.6"
Δ/2	41°09'59.0"	42°56'57.5"	50°28'41.8"	34°38'57.0"	8°07'19.0"	23°47'53.3"	5°57'54"	6°11'04.9"	5°06'40.3"
R	30.00'	28.00'	40.00'	35.00'	100.00'	45.00'	80.48'	80.00'	50.33'
Tan.	26.23'	26.06'	48.49'	24.19'	14.27'	19.85'	8.41'	8.67'	4.50'
C	39.49'	38.16'	61.71'	39.80'	28.26'	36.32'	16.73'	17.24'	8.97'
Lc	43.11'	41.98'	70.48'	42.33'	28.35'	37.38'	16.76'	17.27'	8.98'



PLAN
SCALE: 1" = 10'

NOTE:
See Roadway Plan C37 for New CBs (Catch Basins) at Kumuhau Street.

05/03/19	Δ	Revised Curb Ramp and Curb and Gutter Transition
05/10/17	Δ	Added slopes and dimension labels
09/01/16	Δ	Added Crosswalk and Revised Locations

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

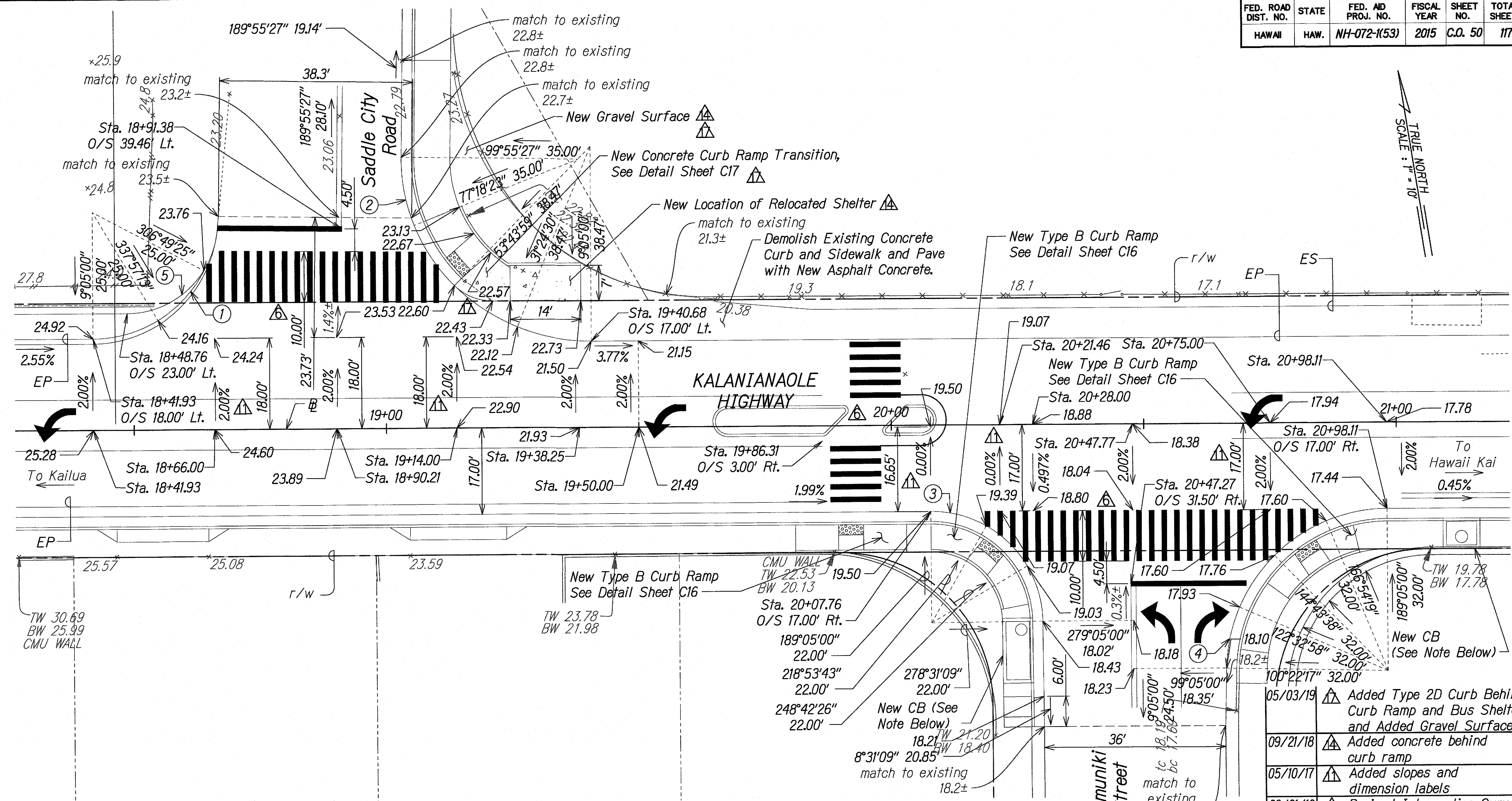
INTERSECTION LAYOUT PLAN

KALANIANA'OLE HIGHWAY IMPROVEMENTS, PHASE 1
Olomana Golf Course To Vicinity of Poalima St.
Federal Aid Project No. NH-072-1(53)
Scale: AS NOTED Date: March, 2019

SHEET No. C49 OF 73 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(53)	2015	C.O. 50	117

TRUE NORTH
SCALE: 1" = 10'



PLAN
SCALE: 1" = 10'

CURVE	①	②	③	④	⑤
Δ	62°15'35"	90°50'27"	89°26'09"	88°42'43"	84°24'06"
Δ/2	31°07'47.5"	45°25'13.4"	44°43'04.6"	44°21'21.6"	42°12'03.1"
R	25.00'	35.00'	22.00'	32.00'	18.00'
Tan.	15.10'	35.52'	21.78'	31.29'	16.32'
C	25.85'	49.86'	30.96'	44.74'	24.18'
Lc	27.17'	55.49'	34.34'	49.55'	26.52'

LEGEND:

- 4" Concrete Pavement
- 6" Aggregate Subbase

NOTE:

See Roadway Plan C38 for New CBs (Catch Basins) at Humuniki Street.

GRAPHICAL SCALE:
10' 5' 0 10' 20'
SCALE: 1" = 10'

REVISION
05/03/19 Added Type 2D Curb Behind Curb Ramp and Bus Shelter, and Added Gravel Surface
09/21/18 Added concrete behind curb ramp
05/10/17 Added slopes and dimension labels
09/01/16 Revised Intersection Curve Return, added raised islands and modified crosswalk

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

INTERSECTION LAYOUT PLAN

KALANIANA'OLE HIGHWAY IMPROVEMENTS, PHASE 1
Olomana Golf Course To Vicinity of Poalima St.
Federal Aid Project No. NH-072-1(53)

Scale: AS NOTED Date: September, 2018

SHEET No. C50 OF 73 SHEETS

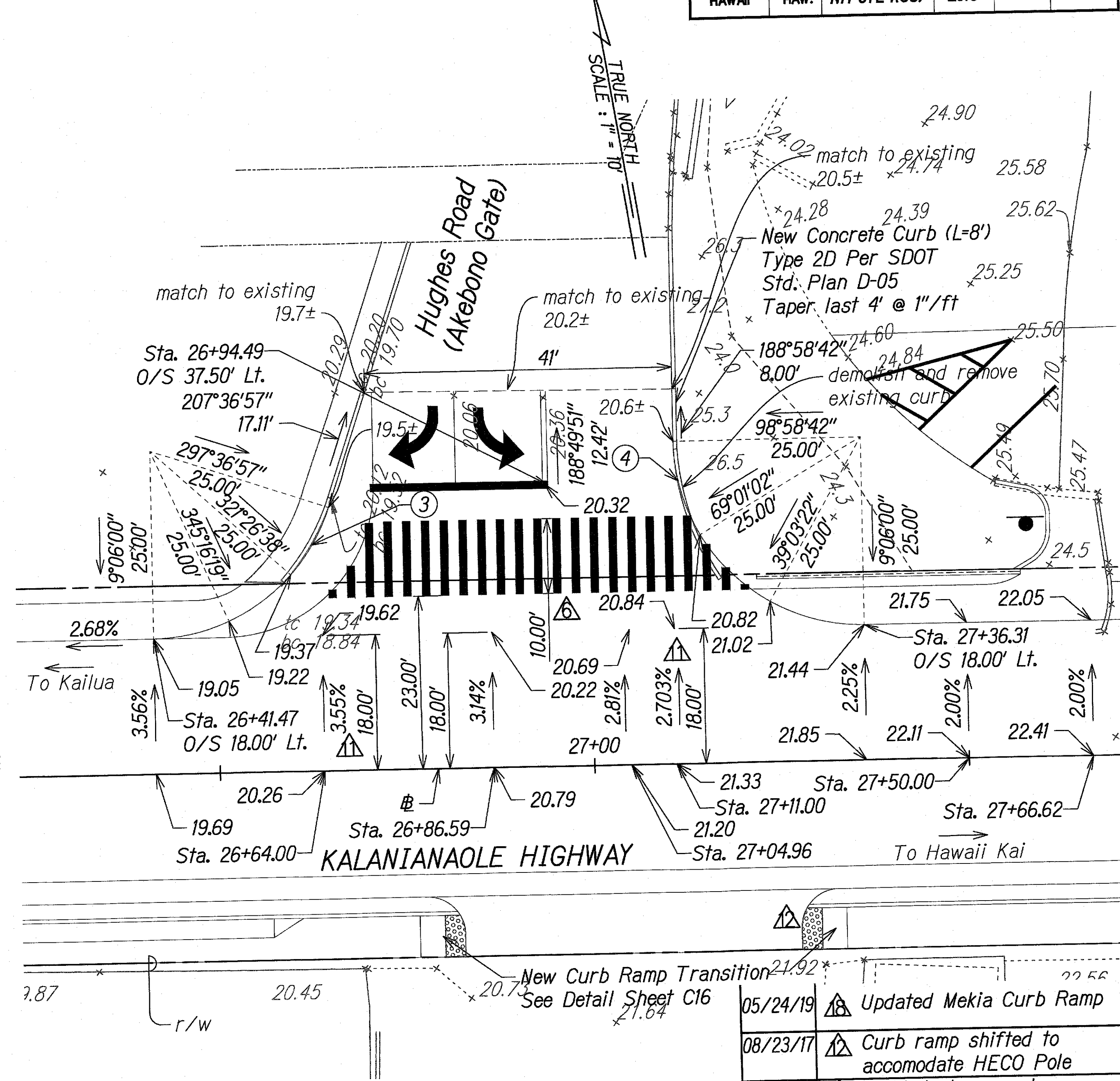
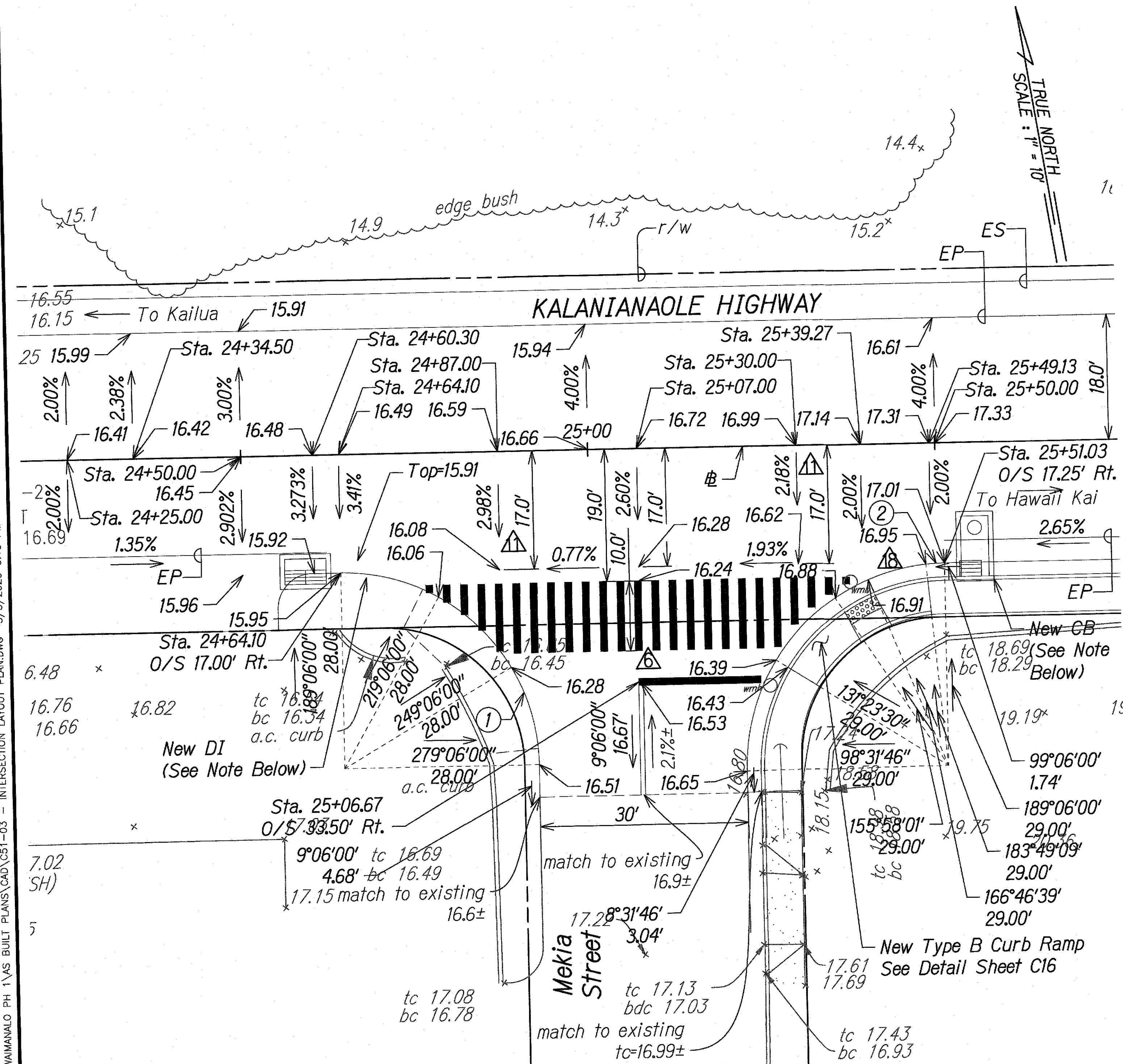
"AS-BUILT"

C.O. 50

W:\CIVIL 3D PROJECTS\2008_008_000 DOT-HWY KAL HWY IMP WAIMANALO PH 1\AS BUILT PLANS\CAO\C50-02 - INTERSECTION LAYOUT PLANDWG 3/3/2020 6:07 PM

ORIGINAL PLAN	DATE
DESIGNED BY	
CHECKED BY	
NOTED BY	
DATE	

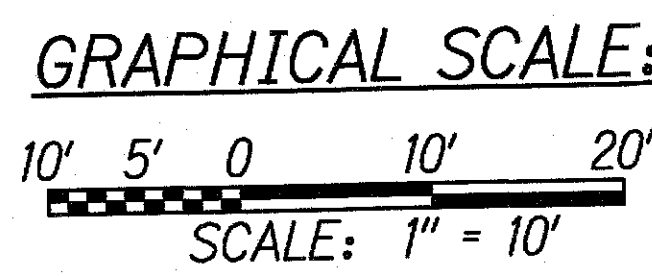
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(53)	2015	C.O. 51	117



PLAN
SCALE: 1" = 10'

NOTE:
See Roadway Plan C39 for New CB (Catch Basin) and New DI (Drain Inlet) at Meki Street.

PLAN
SCALE: 1" = 10'



CURVE	①	②	③	④
Δ	90°00'00"	90°34'14"	71°29'03"	89°53'00"
Δ/2	45°00'00"	45°17'06.8"	35°44'31.5"	44°56'30.0"
R	28.00'	29.00'	25.00'	25.00'
Tan.	28.00'	29.29'	18.00'	24.95'
C	39.60'	41.22'	29.21'	35.32'
Lc	43.98'	45.84'	31.19'	39.22'

05/24/19	Updated Meki Curb Ramp
08/23/17	Curb ramp shifted to accomodate HECO Pole
05/10/17	Added slopes and dimension labels
09/01/16	Reduced Crosswalk Length and Revised Intersection Curve Return
REVISION	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

INTERSECTION LAYOUT PLAN

KALANIANA'OLE HIGHWAY IMPROVEMENTS, PHASE 1
Olomana Golf Course To Vicinity of Poalima St.
Federal Aid Project No. NH-072-1(53)

Scale: AS NOTED Date: March, 2019

SHEET No. C51 OF 73 SHEETS

"AS-BUILT"

C.O. 51