

ESTIMATED QUANTITIES - STA. 39+01.92 TO STA. 43+25

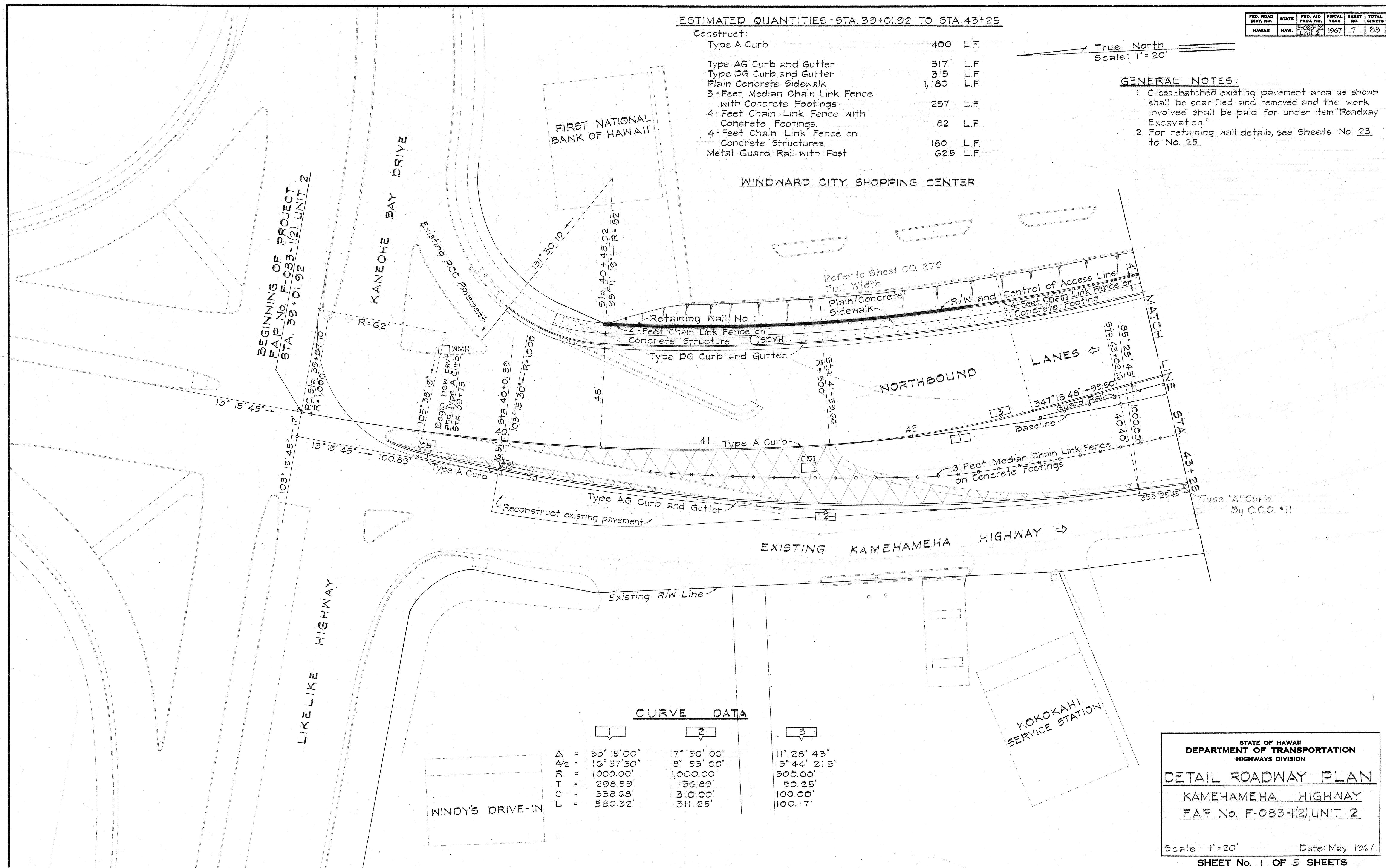
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-083-1(2)	1967	7	83

Construct:		
Type A Curb	400	L.F.
Type AG Curb and Gutter	317	L.F.
Type DG Curb and Gutter	315	L.F.
Plain Concrete Sidewalk	1,180	L.F.
3-Feet Median Chain Link Fence with Concrete Footings	257	L.F.
4-Feet Chain Link Fence with Concrete Footings	82	L.F.
4-Feet Chain Link Fence on Concrete Structures	180	L.F.
Metal Guard Rail with Post	62.5	L.F.

True North
Scale: 1" = 20'

GENERAL NOTES:

1. Cross-hatched existing pavement area as shown shall be scarified and removed and the work involved shall be paid for under item "Roadway Excavation."
2. For retaining wall details, see Sheets No. 23 to No. 25



CURVE DATA

	1	2	3
Δ =	33° 15' 00"	17° 50' 00"	11° 28' 43"
Δ/2 =	16° 37' 30"	8° 55' 00"	5° 44' 21.5"
R =	1,000.00'	1,000.00'	500.00'
T =	298.59'	156.89'	50.25'
C =	538.68'	310.00'	100.00'
L =	580.32'	311.25'	100.17'

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
DETAIL ROADWAY PLAN
KAMEHAMEHA HIGHWAY
F.A.P. No. F-083-1(2) UNIT 2

Scale: 1" = 20' Date: May 1967

SHEET No. 1 OF 5 SHEETS

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

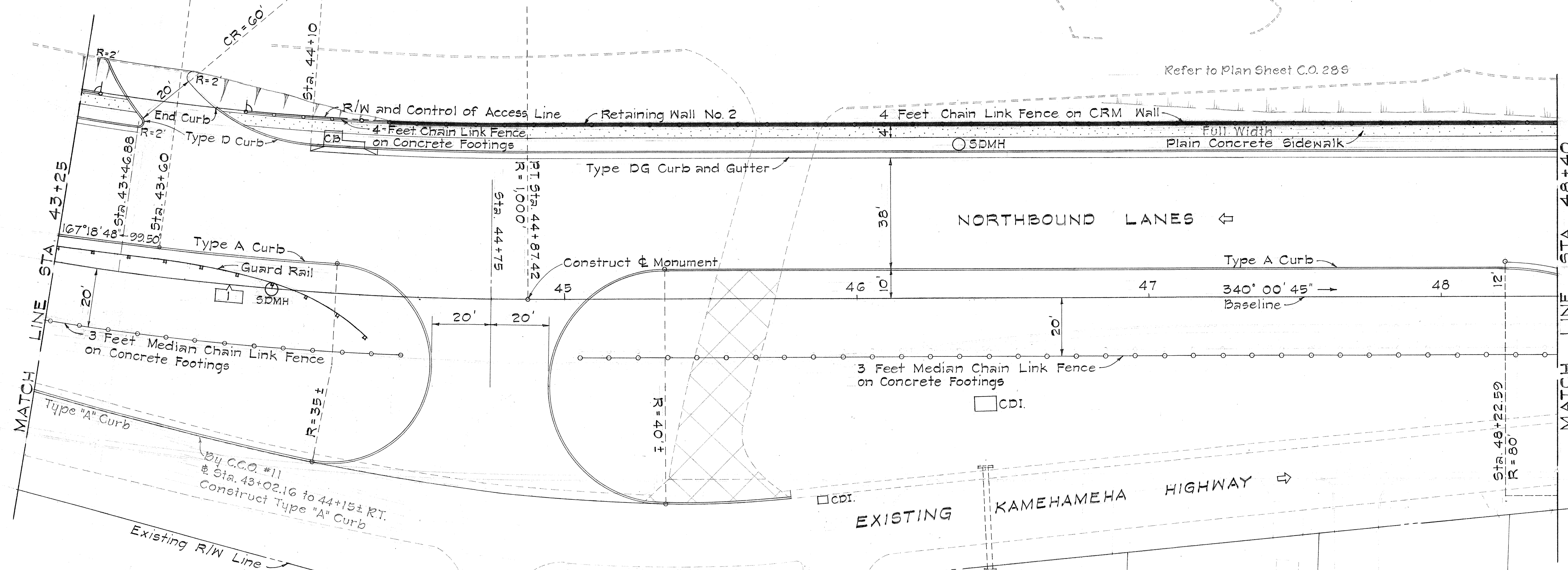
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-083-1(2) Unit 2	1967	8	83

CURVE DATA

$\Delta = 33^{\circ} 15' 00''$
 $\Delta/2 = 16^{\circ} 37' 30''$
 $R = 1,000.00'$
 $T = 298.59'$
 $O = 538.68'$
 $L = 580.32'$

True North
Scale: 1"=20'

WINDWARD CITY SHOPPING CENTER



ESTIMATED QUANTITIES - STA. 43+25 TO 48+40

Construct:		
Centerline Monument	1	Each
Type A Curb	685	L.F.
Type D Curb	55	L.F.
Type DG Curb and Gutter	450	L.F.
Plain Concrete Sidewalk	1,880	L.F.
3-Foot Median Chain Link Fence with Concrete Footings	457	L.F.
4-Foot Chain Link Fence on CRM Wall	402	L.F.
4-Foot Chain Link Fence on Concrete Footings	58	L.F.
Guard Rail with Post	112.5	L.F.

KOOLAU CLINIC

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
DETAIL ROADWAY PLAN
 KAMEHAMEHA HIGHWAY
 F.A.P. No. F-083-1(2), UNIT 2

Scale: 1"=20' Date: May 1967

SHEET No. 2 OF 5 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-083-12 Unit 2	1967	3	83

ESTIMATED QUANTITIES - STA. 48+40 to STA. 53+00

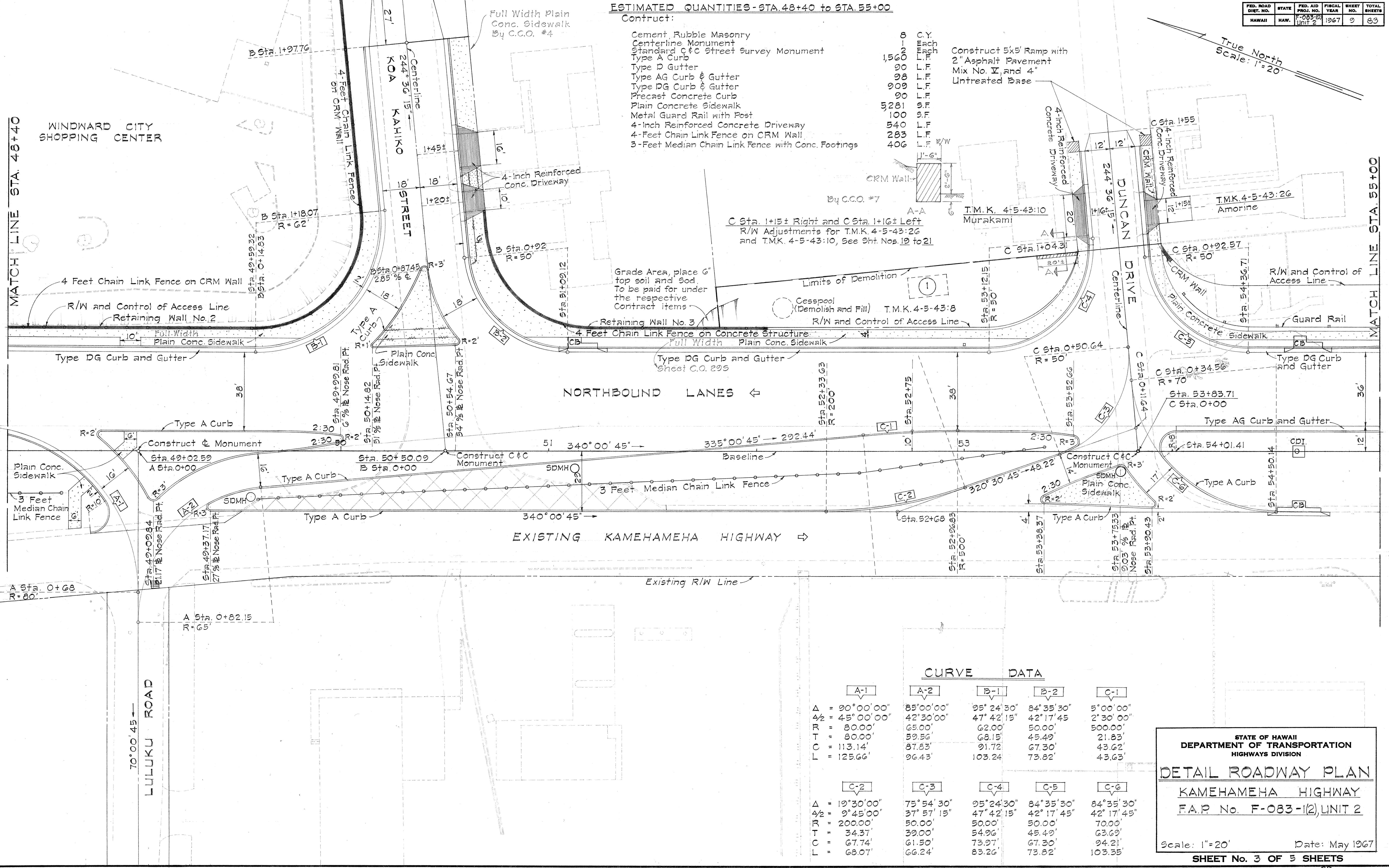
- Contract:
- Cement Rubble Masonry
 - Centerline Monument
 - Standard C&C Street Survey Monument
 - Type A Curb
 - Type D Gutter
 - Type AG Curb & Gutter
 - Type DG Curb & Gutter
 - Precast Concrete Curb
 - Plain Concrete Sidewalk
 - Metal Guard Rail with Post
 - 4-Inch Reinforced Concrete Driveway
 - 4-Feet Chain Link Fence on CRM Wall
 - 3-Feet Median Chain Link Fence with Conc. Footings

- 8 C.Y.
 - 1 Each
 - 1,560 L.F.
 - 90 L.F.
 - 98 L.F.
 - 909 L.F.
 - 90 L.F.
 - 5281 S.F.
 - 100 S.F.
 - 540 L.F.
 - 283 L.F.
 - 406 L.F. R/W
- Construct 5'x5' Ramp with 2" Asphalt Pavement Mix No. V and 4" Untreated Base

True North
Scale: 1"=20'

MATCH LINE STA. 48+40

MATCH LINE STA. 53+00



CURVE DATA

A-1	A-2	B-1	B-2	C-1
Δ = 90°00'00"	85°00'00"	95°24'30"	84°35'30"	5°00'00"
Δ/2 = 45°00'00"	42°30'00"	47°42'15"	42°17'45"	2°30'00"
R = 80.00'	65.00'	62.00'	50.00'	500.00'
T = 80.00'	59.56'	68.15'	45.49'	21.83'
C = 113.14'	87.83'	91.72'	67.30'	43.62'
L = 125.66'	96.43'	103.24'	73.82'	43.63'

C-2	C-3	C-4	C-5	C-6
Δ = 19°30'00"	75°54'30"	95°24'30"	84°35'30"	84°35'30"
Δ/2 = 9°45'00"	37°57'15"	47°42'15"	42°17'45"	42°17'45"
R = 200.00'	50.00'	50.00'	50.00'	70.00'
T = 80.00'	39.00'	54.96'	45.49'	63.69'
C = 67.74'	61.50'	73.97'	67.30'	94.21'
L = 68.07'	66.24'	83.26'	73.82'	103.35'

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DETAIL ROADWAY PLAN

KAMEHAMEHA HIGHWAY
F.A.P. No. F-083-1(2), UNIT 2

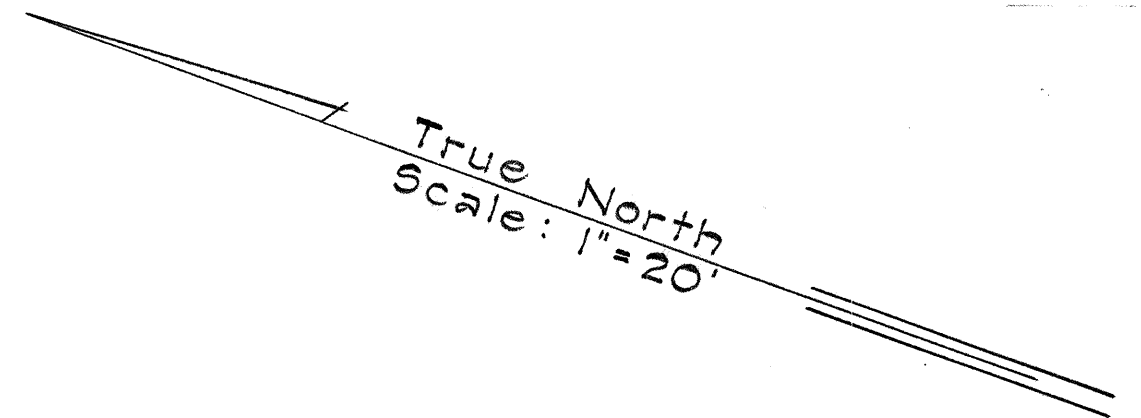
Scale: 1"=20' Date: May 1967

SHEET No. 3 OF 5 SHEETS

ORIGINAL PLAN	DATE
NOTED BY	
DESIGNED BY	
CHECKED BY	

ESTIMATED QUANTITIES - STA. 55+00 to STA. 62+25

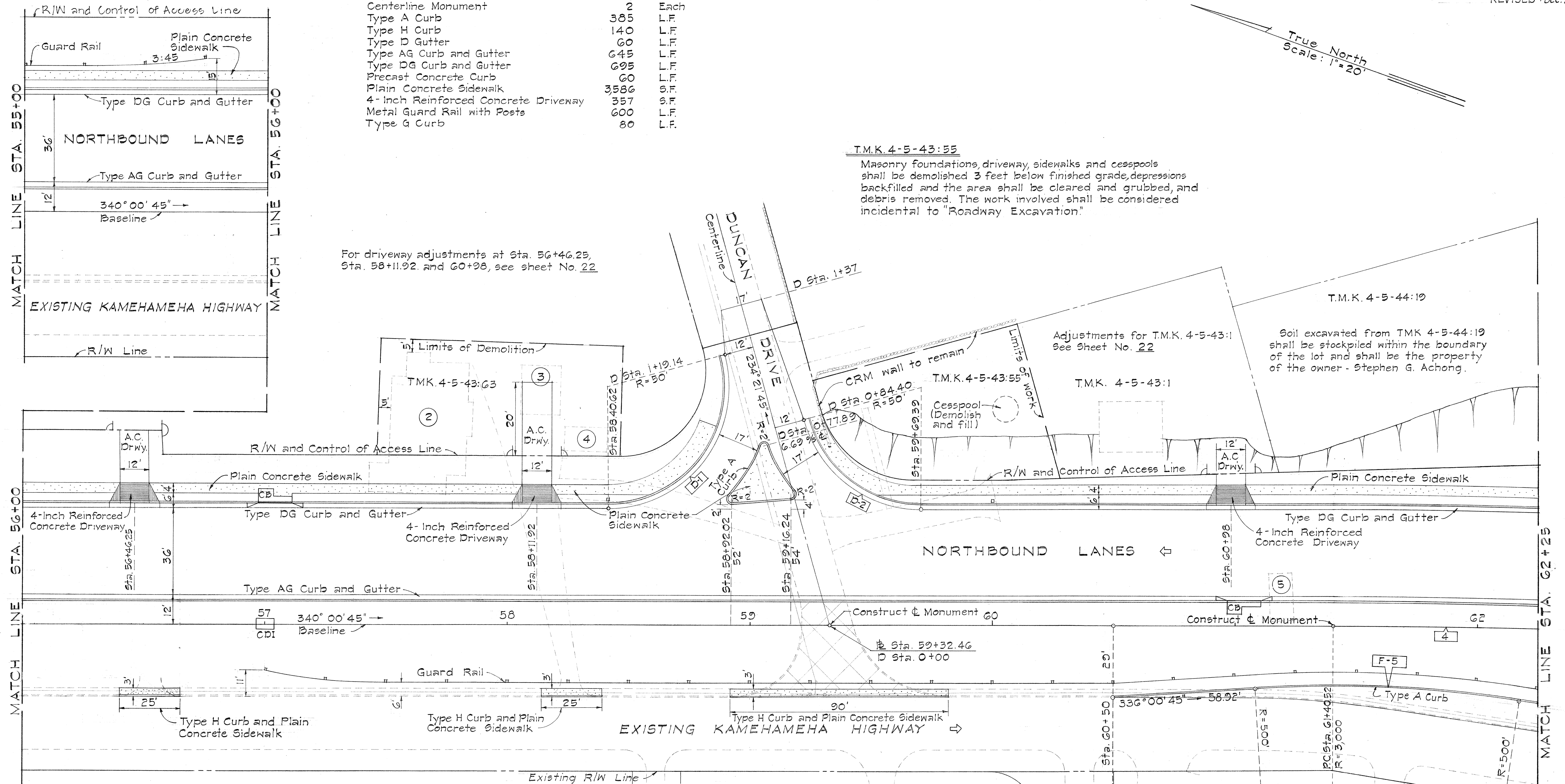
Construct:		
Centerline Monument	2	Each
Type A Curb	385	L.F.
Type H Curb	140	L.F.
Type D Gutter	60	L.F.
Type AG Curb and Gutter	645	L.F.
Type DG Curb and Gutter	695	L.F.
Precast Concrete Curb	60	L.F.
Plain Concrete Sidewalk	3586	S.F.
4-Inch Reinforced Concrete Driveway	357	S.F.
Metal Guard Rail with Posts	600	L.F.
Type G Curb	80	L.F.



T.M.K. 4-5-43:55

Masonry foundations, driveway, sidewalks and cesspools shall be demolished 3 feet below finished grade, depressions backfilled and the area shall be cleared and grubbed, and debris removed. The work involved shall be considered incidental to 'Roadway Excavation'.

For driveway adjustments at Sta. 56+46.25, Sta. 58+11.92 and 60+98, see sheet No. 22



CURVE DATA

P-1	P-2	4	F-5
Δ = 105° 39' 00"	74° 21' 00"	11° 00' 00"	12° 28' 00"
Δ/2 = 52° 44' 30"	37° 10' 30"	5° 30' 00"	6° 14' 00"
R = 50.00'	50.00'	3,000.00'	500.00'
T = 73.41'	37.91'	288.87'	54.61'
C = 82.65'	60.41'	575.07'	108.58'
L = 92.20'	64.88'	575.96'	108.79'

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
DETAIL ROADWAY PLAN
KAMEHAMEHA HIGHWAY
F.A.P. No. F-083-1(2), UNIT 2

Scale: 1" = 20' Date: May 1967
SHEET No. 4 OF 5 SHEETS

REVISED: Dec. 29, 1967

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-083-1(2)	1967	11	83

CURVE DATA

	E-1	E-2	F-1	F-2	F-3	F-4	4
Δ	108° 21' 10"	68° 57' 34"	27° 21' 29"	154° 38' 19"	60° 38' 46"	44° 21' 14"	11° 00' 00"
$\Delta/2$	54° 10' 35"	34° 28' 47"	13° 40' 44.5"	77° 19' 09.5"	30° 19' 23"	22° 10' 37"	5° 30' 00"
R	50.00'	70.00'	100.00'	25.00'	50.00'	125.00'	3,000.00'
T	69.17'	48.07'	24.34'	111.11'	29.24'	50.95'	288.87'
O	61.08'	79.25'	47.30'	48.78'	50.49'	94.37'	575.07'
L	94.56'	84.25'	47.75'	67.47'	52.92'	96.77'	575.96'

ESTIMATED QUANTITIES - STA. 62+25 TO 68+50

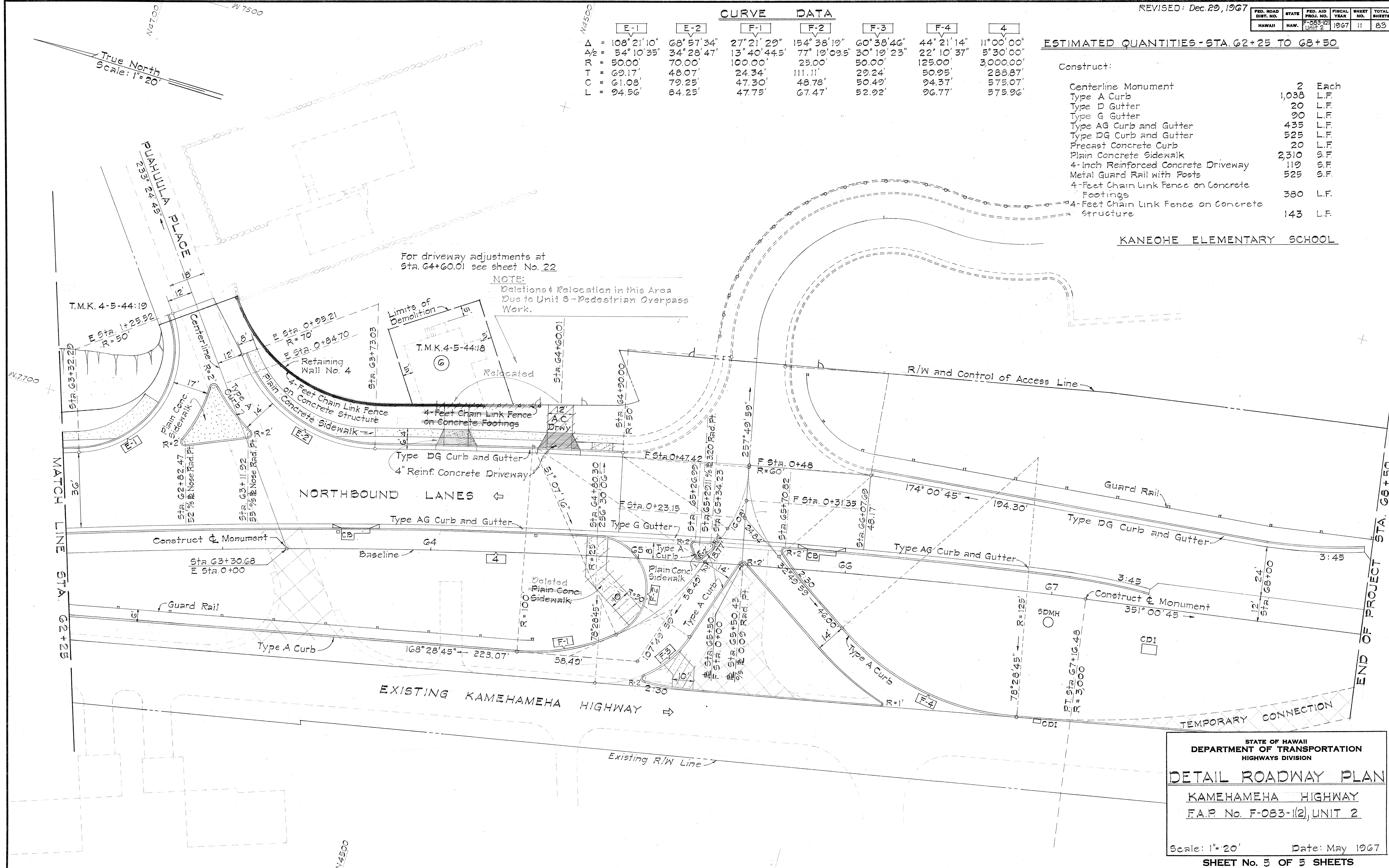
Construct:

Centerline Monument	2	Each
Type A Curb	1,038	L.F.
Type D Gutter	20	L.F.
Type G Gutter	90	L.F.
Type AG Curb and Gutter	435	L.F.
Type DG Curb and Gutter	525	L.F.
Precast Concrete Curb	20	L.F.
Plain Concrete Sidewalk	2,310	S.F.
4-inch Reinforced Concrete Driveway	119	S.F.
Metal Guard Rail with Posts	525	S.F.
4-Foot Chain Link Fence on Concrete Footings	380	L.F.
4-Foot Chain Link Fence on Concrete Structure	143	L.F.

KANEOHE ELEMENTARY SCHOOL

For driveway adjustments at Sta. 64+60.01 see sheet No. 22

NOTE: Deletions & Relocation in this Area Due to Unit 3 - Pedestrian Overpass Work.



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DETAIL ROADWAY PLAN

KAMEHAMEHA HIGHWAY
F.A.P. No. F-083-1(2), UNIT 2

Scale: 1" = 20' Date: May 1967

SHEET No. 5 OF 5 SHEETS

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