

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	11C-03-70	1970	3	17

NOTE:
Curve No.38
See Sheet No.4

CURVE DATA
 $\Delta = 16^{\circ}30'$
 $R = 500.0'$
 $T = 72.5'$
 $E = 5.2'$
 $L = 144'$

ESTIMATED QUANTITIES
 Roadway Excavation 365 Cu. Yd.
 Aggregate Subbase 48 Cu. Yd.

CURVE DATA
 $\Delta = 30^{\circ}42'$
 $D = 20'$
 $T = 79'$
 $E = 10.7'$
 $L = 153.5'$

ESTIMATED QUANTITIES
 Roadway Excavation 187 Cu. Yd.
 Aggregate Subbase 24 Cu. Yd.
 Aggregate Base 18 Cu. Yd.
 A.C. Mix V 12 Tons
 Prime Coat 504 Gals.

CURVE DATA
 $\Delta = 27^{\circ}10'$
 $R = 300.0'$
 $T = 72.49'$
 $L = 142.24'$

ESTIMATED QUANTITIES
 Roadway Excavation 5 Cu. Yd.
 Aggregate Subbase 26 Cu. Yd.

CURVE DATA
 $\Delta = 13^{\circ}53'$
 $R = 600.0'$
 $T = 72.87'$
 $E = 4.53'$
 $L = 145.39'$

ESTIMATED QUANTITIES
 Roadway Excavation 62 Cu. Yd.
 Aggregate Subbase 120 Cu. Yd.

CURVE DATA
 $\Delta = 22^{\circ}07'$
 $D = 20^{\circ}00'$
 $T = 56.3'$
 $E = 5.5'$
 $L = 110.7'$

ESTIMATED QUANTITIES
 Roadway Excavation 13 Cu. Yd.
 Aggregate Subbase 64 Cu. Yd.
 Cement Rubble Masonry 18 Cu. Yd.

CURVE DATA
 $\Delta = 26^{\circ}41'$
 $D = 20^{\circ}00'$
 $T = 68.3'$
 $E = 8.0'$
 $L = 133.5'$

ESTIMATED QUANTITIES
 Roadway Excavation 200 Cu. Yd.
 Aggregate Subbase 26 Cu. Yd.
 Aggregate Base 17 Cu. Yd.
 A.C. Mix V 12 Tons
 Prime Coat 40 Gals.

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

LOCATION PLAN

SAFETY IMPROVEMENTS ALONG
 HAWAII BELT ROAD HOOKENA TO MILOLI
 PHASE II
 PROJECT No. 11C-03-70
 SOUTH KONA, HAWAII

Scale: As Shown Date: July 1970

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

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	11C-03-70	1970	4	17

☺ CURVE DATA

$\Delta = 27^\circ 33'$
 $D = 19.072'$
 $T = 73.65$
 $E = 8.76$
 $L = 144.45$

☺ CURVE DATA

$\Delta = 35^\circ 46'$
 $D = 19.077'$
 $T = 96.91$
 $E = 15.29$
 $L = 187.49$

☺ CURVE DATA

$\Delta = 22^\circ 34'$
 $D = 19.8806'$
 $T = 57.50$
 $E = 5.6$
 $L = 113.51$

☺ CURVE DATA

$\Delta = 34^\circ 20'$
 $D = 19.1120$
 $T = 92.61$
 $E = 13.93$
 $L = 179.64$

☺ CURVE DATA

$\Delta = 19^\circ 55'$
 $D = 19.9124'$
 $T = 50.52$
 $E = 4.3$
 $L = 100.10$

CURVE No. 20

ESTIMATED QUANTITIES
 Roadway Excavation 150 Cu. Yd.
 Aggregate Subbase 100 Cu. Yd.

NOTE:

Curve No. 19
 See Sheet No. 6

CURVE No. 38

ESTIMATED QUANTITIES
 Roadway Excavation 32 Cu. Yd.
 Aggregate Subbase 99 Cu. Yd.
 A.C. Mix Y 8 Ton
 Prime Coat 40 Gal.

NOTE:

Curve No. 37
 See Sheet No. 3

[N.I.C.] CURVE No. 41

ESTIMATED QUANTITIES
 Roadway Excavation 15 Cu. Yd.
 Aggregate Subbase 32 Cu. Yd.

NOTE:

Curve No. 39
 See Sheet No. 3

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

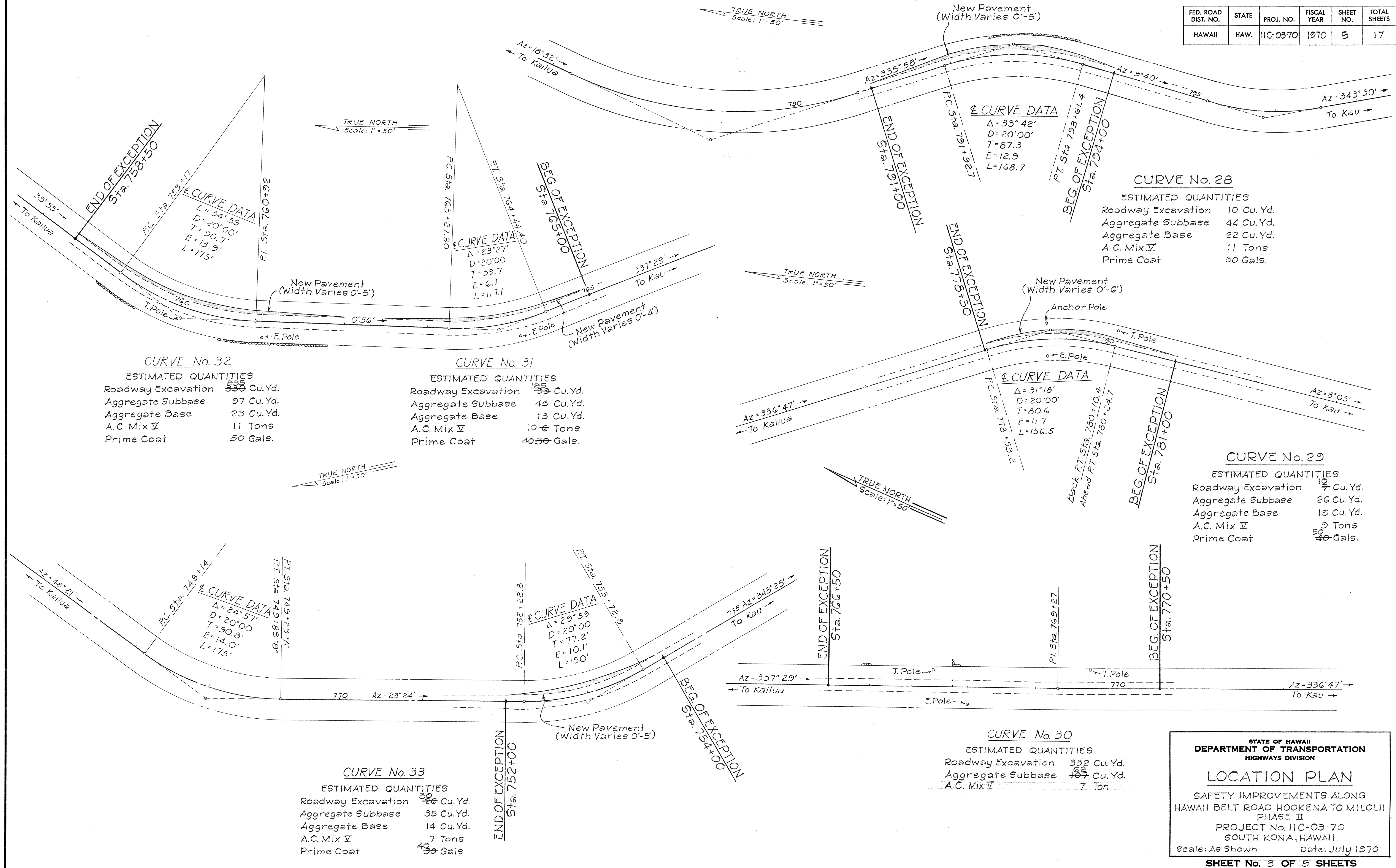
LOCATION PLAN

SAFETY IMPROVEMENTS ALONG
 HAWAII BELT ROAD HOOKENA TO MILOLII
 PHASE II
 PROJECT No. 11C-03-70
 SOUTH KONA, HAWAII

Scale: As Shown Date: July 1970

SHEET No. 2 OF 5 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	11C-03-70	1970	5	17



DATE	_____
DESIGNED BY	_____
NOTED BY	_____
CHECKED BY	_____
ORIGINAL PLAN	_____
NOTE BOOK	_____
No.	_____

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

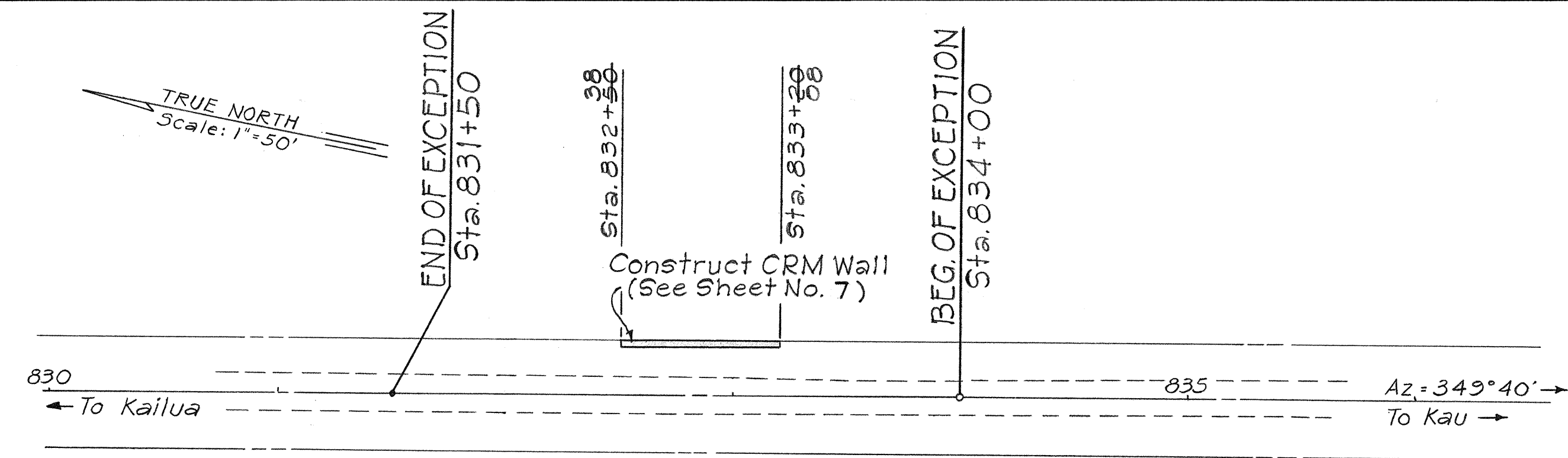
LOCATION PLAN

SAFETY IMPROVEMENTS ALONG
HAWAII BELT ROAD HOOKENA TO MILOLII
PHASE II
PROJECT No. 11C-03-70
SOUTH KONA, HAWAII

Scale: As Shown Date: July 1970

SHEET No. 3 OF 5 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	11C-03-70	1970	6	17



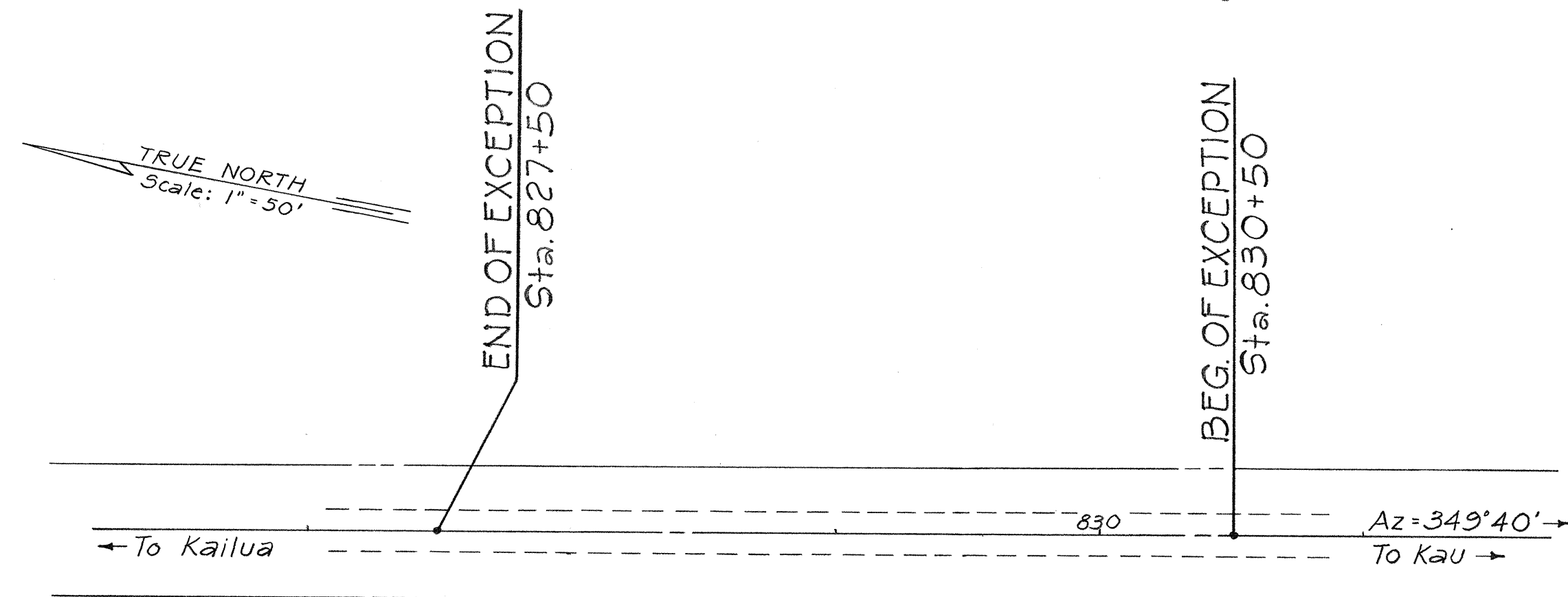
CURVE No. 23-A

ESTIMATED QUANTITIES

Roadway Excavation 10 Cu. Yd.

Aggregate Subbase 90 Cu. Yd.

Cement Rubble Masonry 12 Cu. Yd.

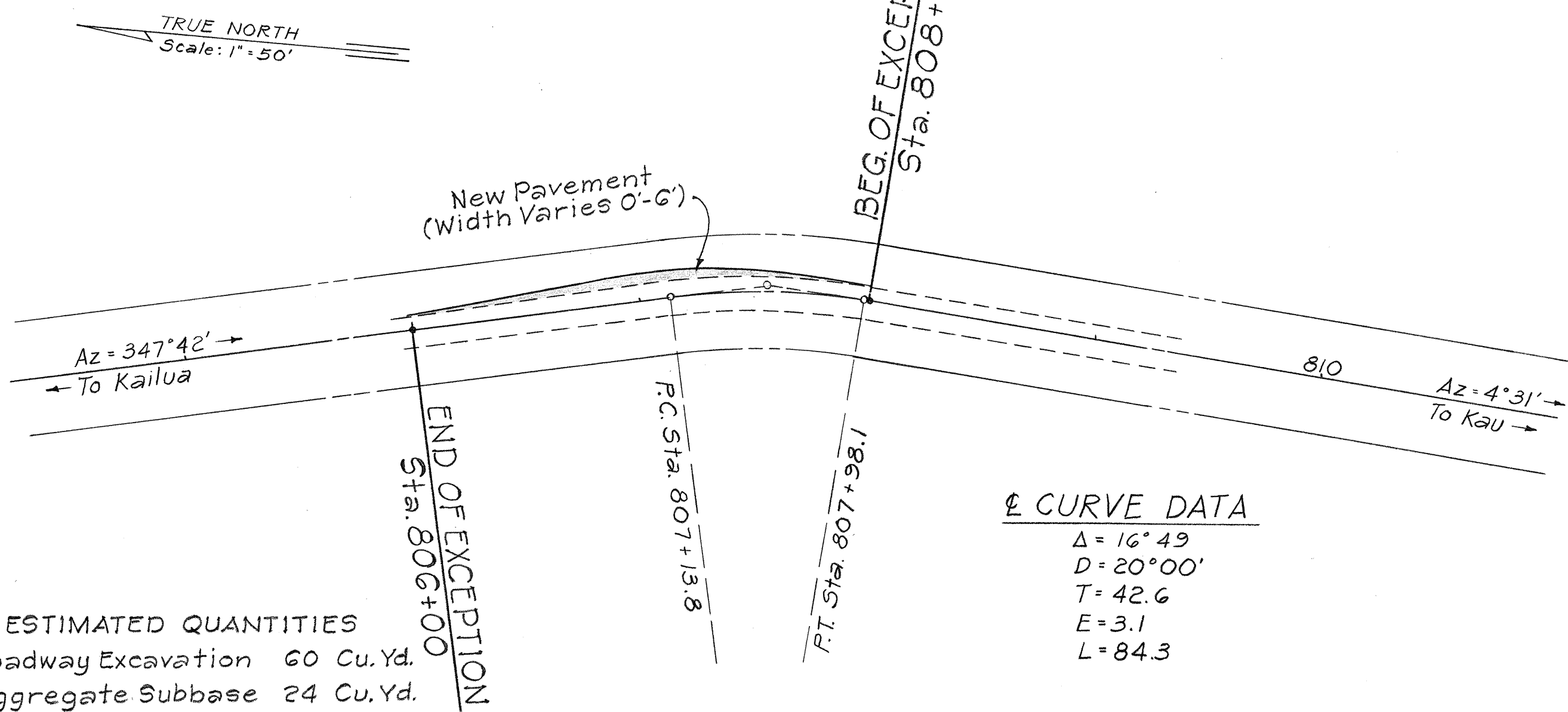


CURVE No. 23-B

ESTIMATED QUANTITIES

Roadway Excavation 10 Cu. Yd.

Aggregate Subbase 40 Cu. Yd.



ESTIMATED QUANTITIES

Roadway Excavation 60 Cu. Yd.

Aggregate Subbase 24 Cu. Yd.

Aggregate Base 14 Cu. Yd.

A.C. Mix V 10 7 Tons

Prime Coat 50 30 Gals.

CURVE No. 25

CURVE DATA

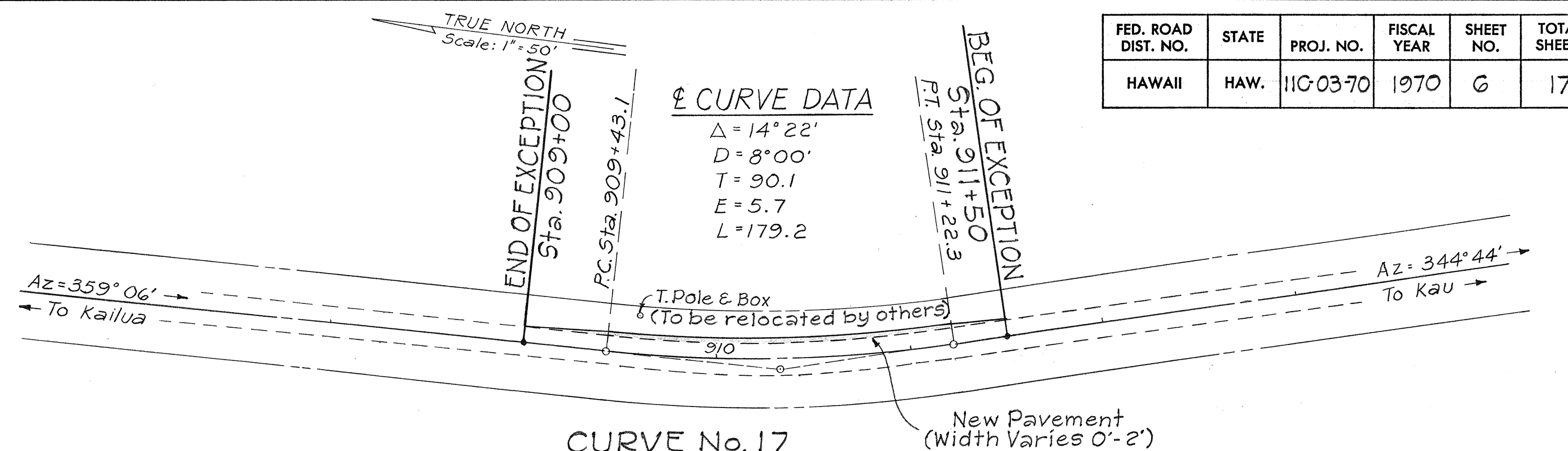
$\Delta = 16^\circ 49'$

$D = 20^\circ 00'$

$T = 42.6$

$E = 3.1$

$L = 84.3$



CURVE No. 17

ESTIMATED QUANTITIES

Roadway Excavation 157 Cu. Yd.

Aggregate Subbase 42 Cu. Yd.

Aggregate Base 8 Cu. Yd.

A.C. Mix V 10 3 Tons

Prime Coat 40 20 Gals

CURVE DATA

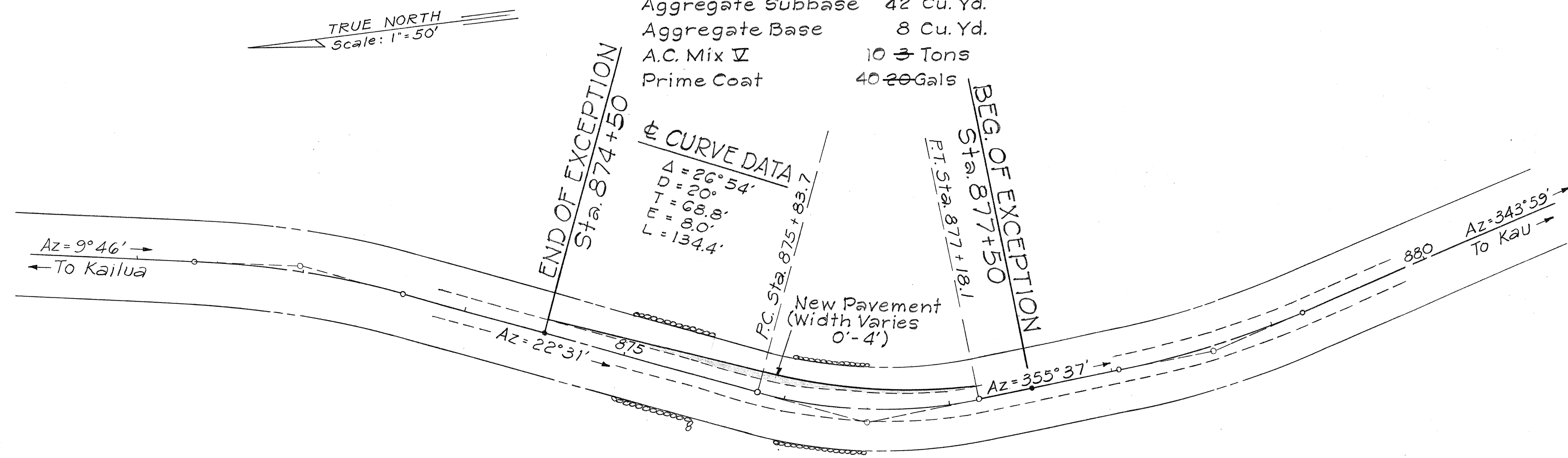
$\Delta = 26^\circ 54'$

$D = 20^\circ$

$T = 68.8$

$E = 8.0$

$L = 134.4$



CURVE No. 19

ESTIMATED QUANTITIES

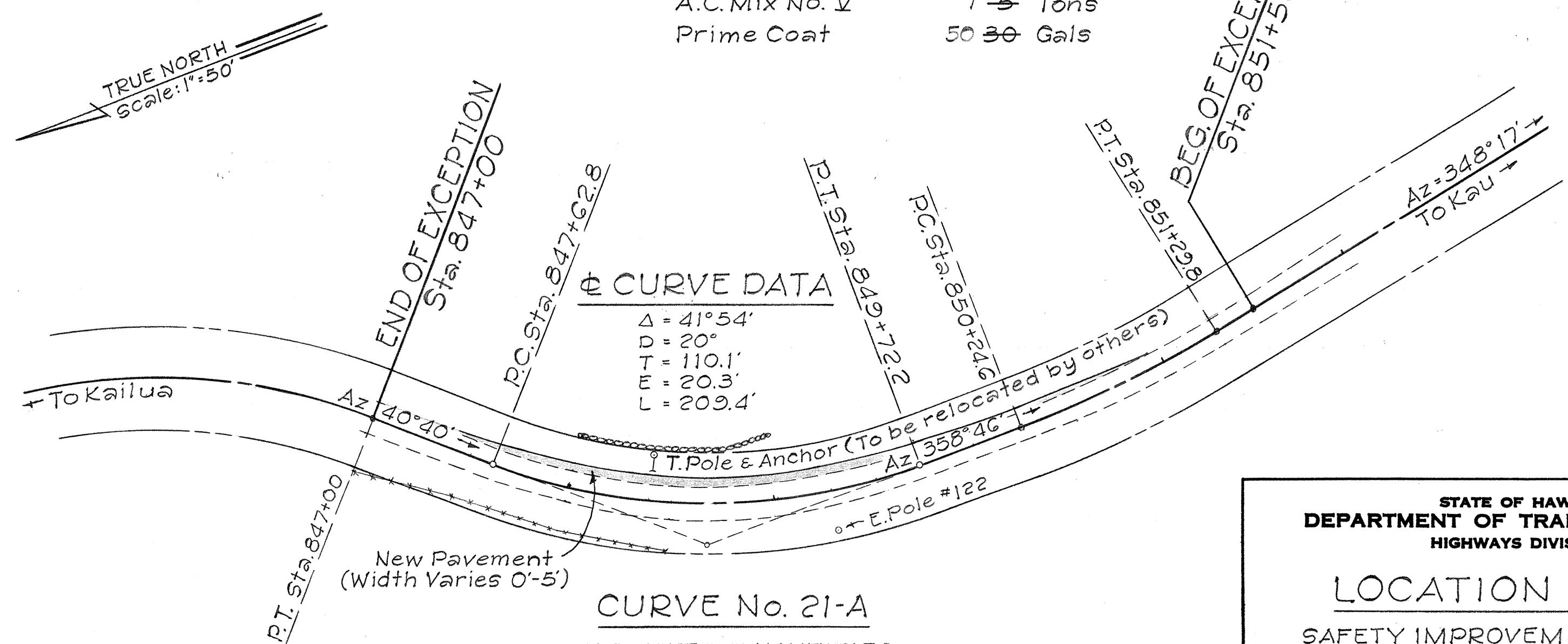
Roadway Excavation 136 Cu. Yd.

Aggregate Subbase 42 Cu. Yd.

Aggregate Base 12 Cu. Yd.

A.C. Mix No. V 7 5 Tons

Prime Coat 50 30 Gals



CURVE No. 21-A

ESTIMATED QUANTITIES

Roadway Excavation 487 Cu. Yd.

Aggregate Subbase 67 Cu. Yd.

Aggregate Base 27 Cu. Yd.

A.C. Mix V 18 13 Tons

Prime Coat 60 Gals

CURVE DATA

$\Delta = 41^\circ 54'$

$D = 20^\circ$

$T = 110.1$

$E = 20.3$

$L = 209.4$

NOTE:

Curve No. 20
See Sheet No. 4

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LOCATION PLAN

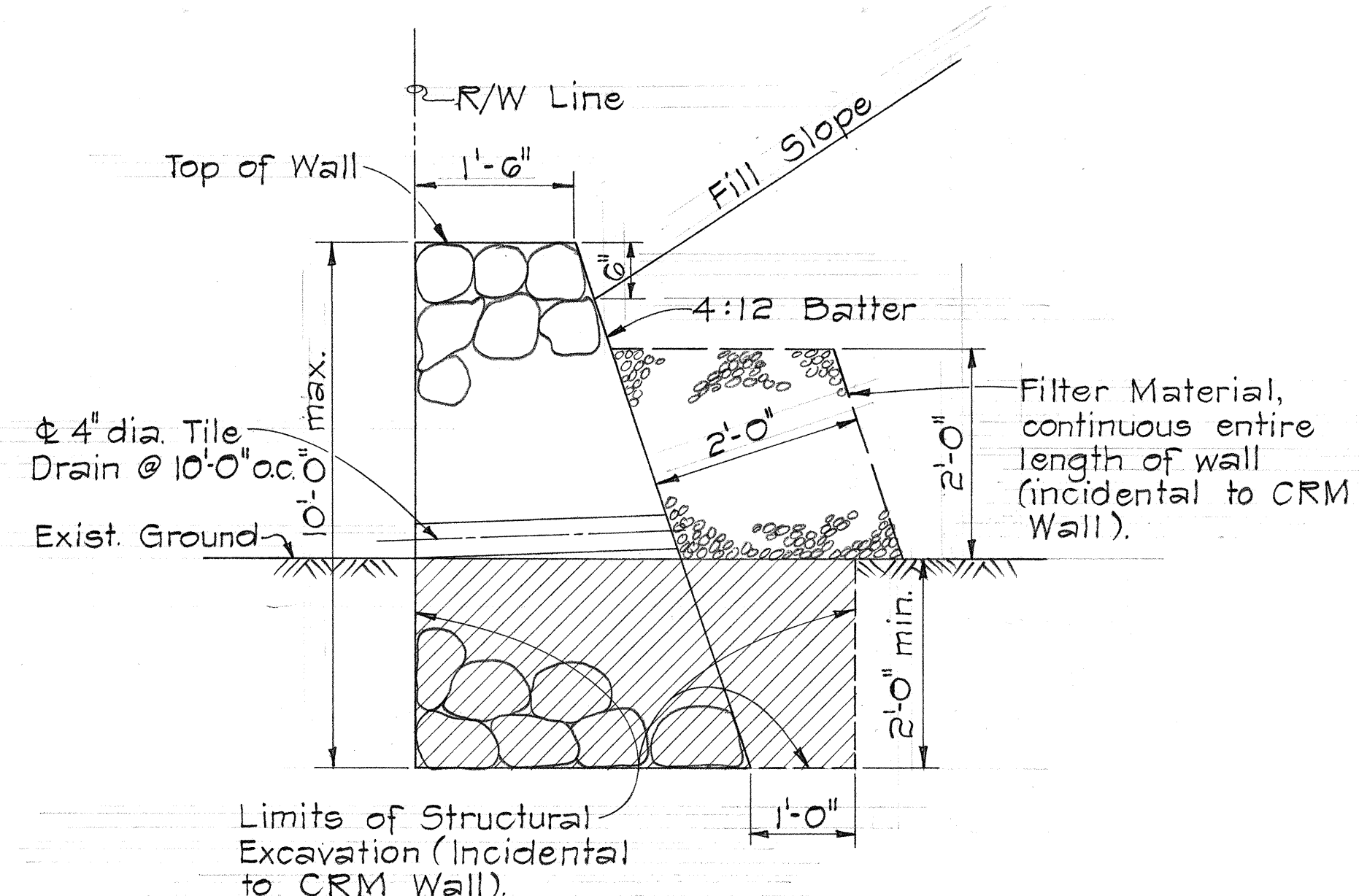
SAFETY IMPROVEMENTS ALONG
HAWAII BELT ROAD HOOKENA TO MILOLII
PHASE II

PROJECT No. 11C-03-70
SOUTH KONA, HAWAII

Scale: As Shown Date: July 1970

SHEET No. 4 OF 5 SHEETS

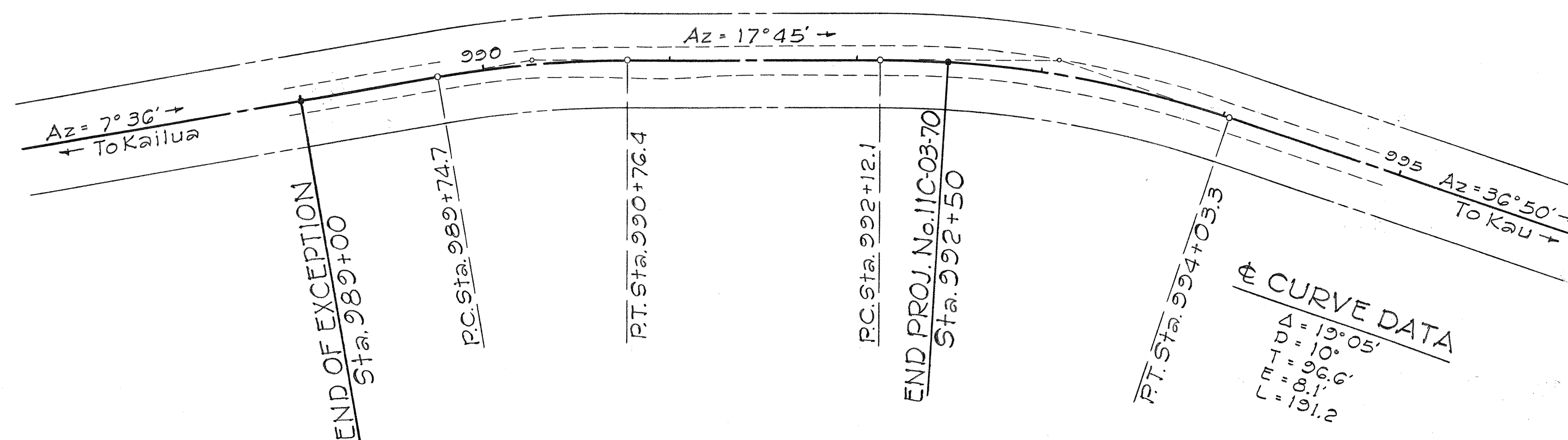
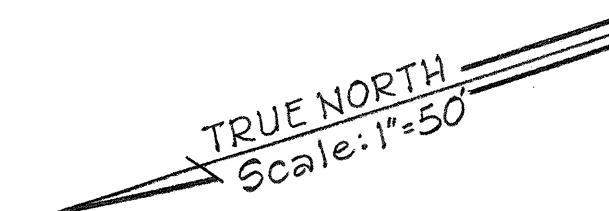
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	11C-03-70	1970	7	17



TYPICAL SECTION OF CRM WALL
Scale: 3/4" = 1'-0"

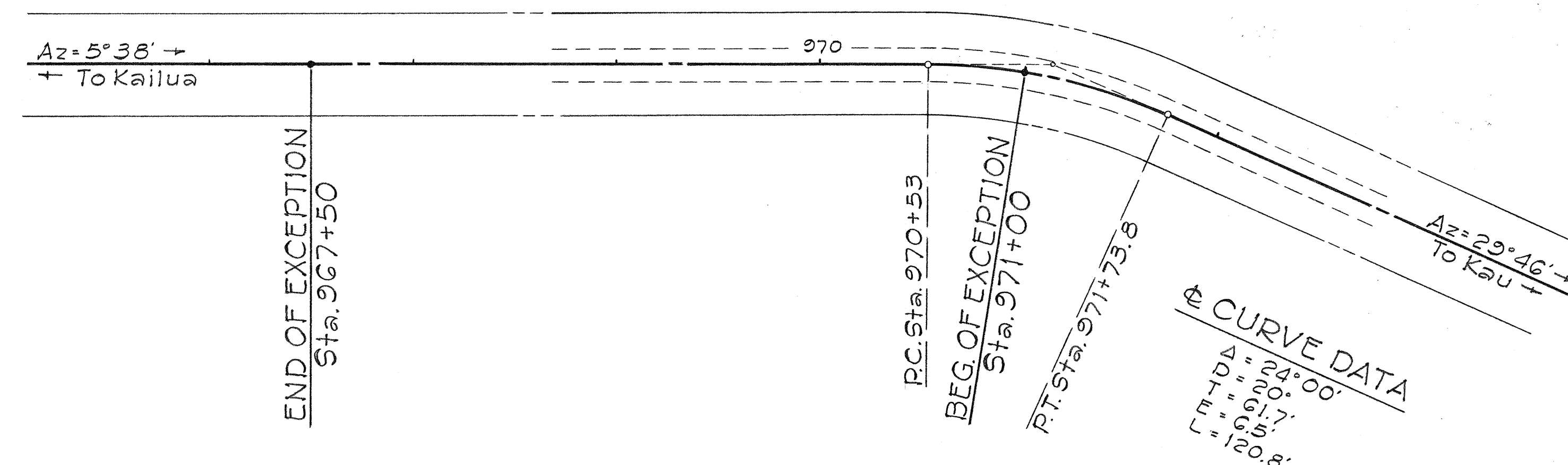
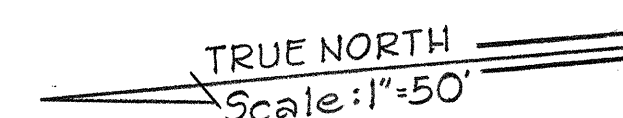
⊕ CURVE DATA

Δ = 10° 03'
D = 10°
T = 51.1'
E = 2.3'
L = 101.7



CURVE No. 12

ESTIMATED QUANTITIES
Roadway Excavation 334 Cu. Yd.
Aggregate Subbase 78 Cu. Yd.



CURVE No. 15

ESTIMATED QUANTITIES
Roadway Excavation 56 Cu. Yd.
Aggregate Subbase 67 Cu. Yd.

STATE OF HAWAII
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LOCATION PLAN

SAFETY IMPROVEMENTS ALONG
HAWAII BELT ROAD HOOKENA TO MILOLI
PHASE II
PROJECT No. 11C-03-70
SOUTH KONA, HAWAII

Scale: As Shown Date: July 1970

SHEET No. 5 OF 5 SHEETS

ORIGINAL PLAN	DATE
DESIGNED BY	
CHECKED BY	
NOTED BY	
NO.	