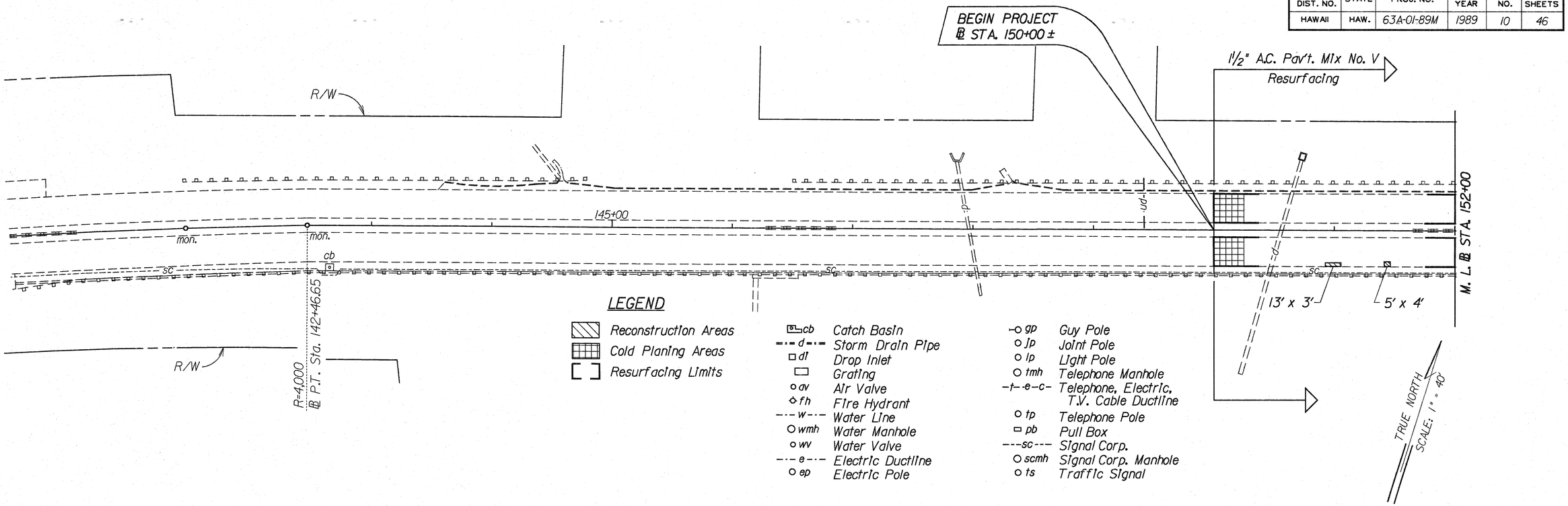
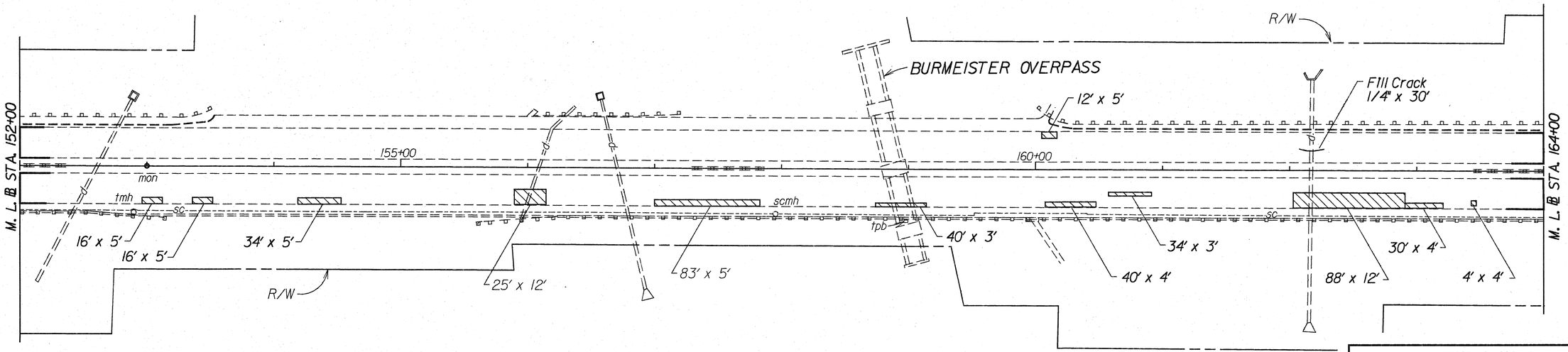
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	63A-01-89M	1989	10	46





STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN

LIKELIKE HWY. RESURFACING
Burmeister Overpass to Kamehameha Hwy.
PROJECT NO. 63A-01-89M

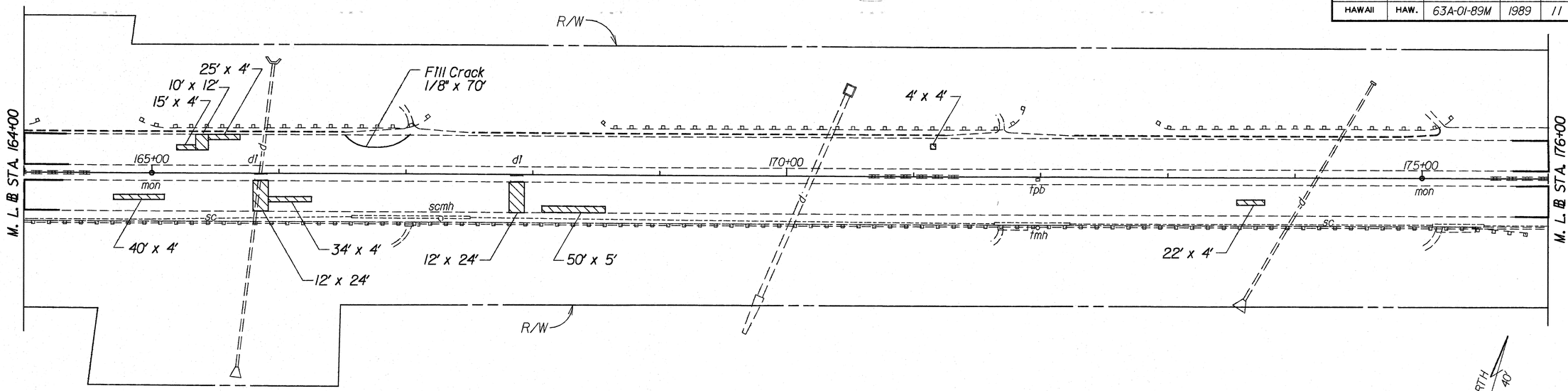
Scale: 1" = 40' Date: Jan., 1989

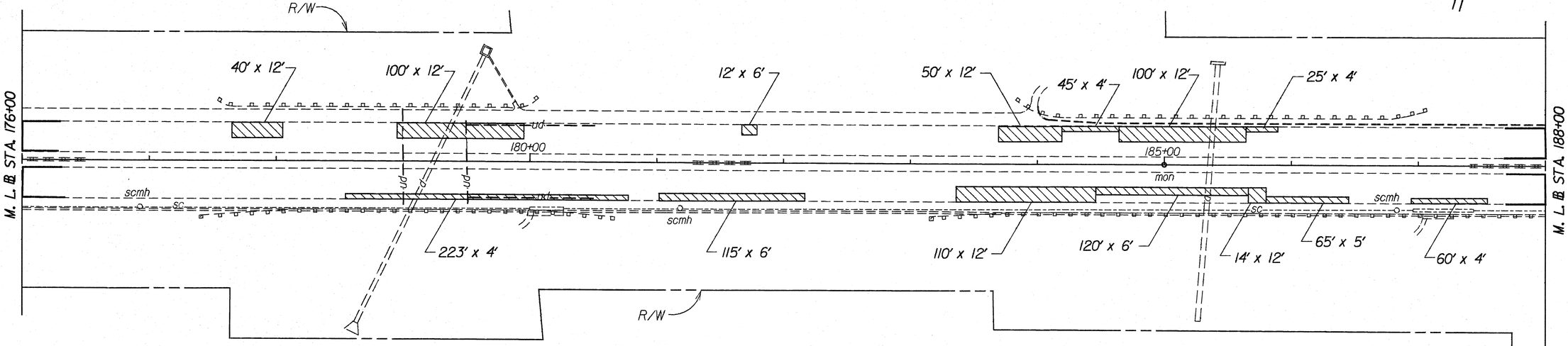
SHEET No. 1 OF 14 SHEETS

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

10

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	63A-01-89M	1989	11	46





TRUE NORTH
SCALE: 1" = 40'

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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN

LIKELIKE HWY. RESURFACING
Burmeister Overpass to Kamehameha Hwy.
PROJECT NO. 63A-01-89M

Scale: 1" = 40' Date: Jan., 1989

SHEET No. 2 OF 14 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	63A-01-89M	1989	12	46

℄ CURVE DATA

Δ = 13°36'30"
R = 2,864.79'
T = 341.82'
C = 678.82'
Lc = 680.42'
S. E. = 0.047 ft/ft

TRUE NORTH
SCALE: 1" = 40'

M. L. ℄ STA. 188+00

℄ P.C. Sta. 194+08.08
R=2864.79

M. L. ℄ P.O.C. STA. 200+00

℄ P.T. Sta. 200+88.50
℄ P.T. Sta. 200+61.68

M. L. ℄ P.O.C. STA. 200+00

M. L. ℄ STA. 212+00

R/W

15' x 4'
50' x 4'
30' x 4'
10' x 12'
26' x 4'
26' x 4'
18' x 4'
114' x 3'
10' x 3'
170' x 5'
5' x 5'
25' x 4'
10' x 4'
10' x 4'
26' x 3'
40' x 4'
50' x 12'
82' x 4'
40' x 12'
10' x 3'
20' x 12'
25' x 4'
3' x 3'

cb
scmh
sc
mon
wmh
tpb
cable tv
pbs
ud
d
d1
p

190+00
195+00
205+00
210+00

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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN

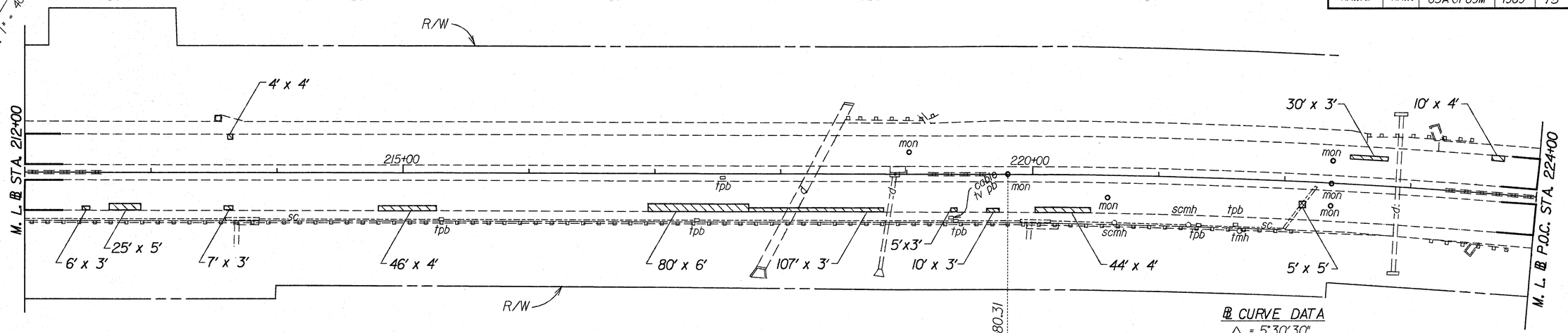
LIKELIKE HWY. RESURFACING
Burmeister Overpass to Kamehameha Hwy.
PROJECT NO. 63A-01-89M

Scale: 1" = 40' Date: Jan., 1989

SHEET No. 3 OF 14 SHEETS

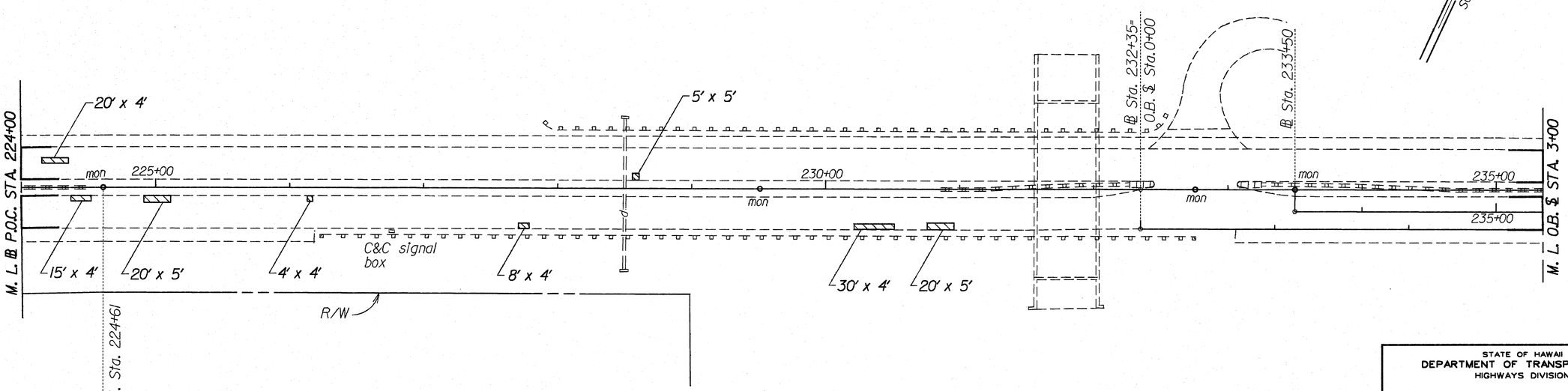
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	63A-01-89M	1989	13	46

TRUE NORTH
SCALE: 1" = 40'



℄ CURVE DATA
△ = 5°30'30"
R = 5,000'
T = 240.53'
C = 480.51'
Lc = 480.69'
S. E. = 0.03 ft/ft

TRUE NORTH
SCALE: 1" = 40'



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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

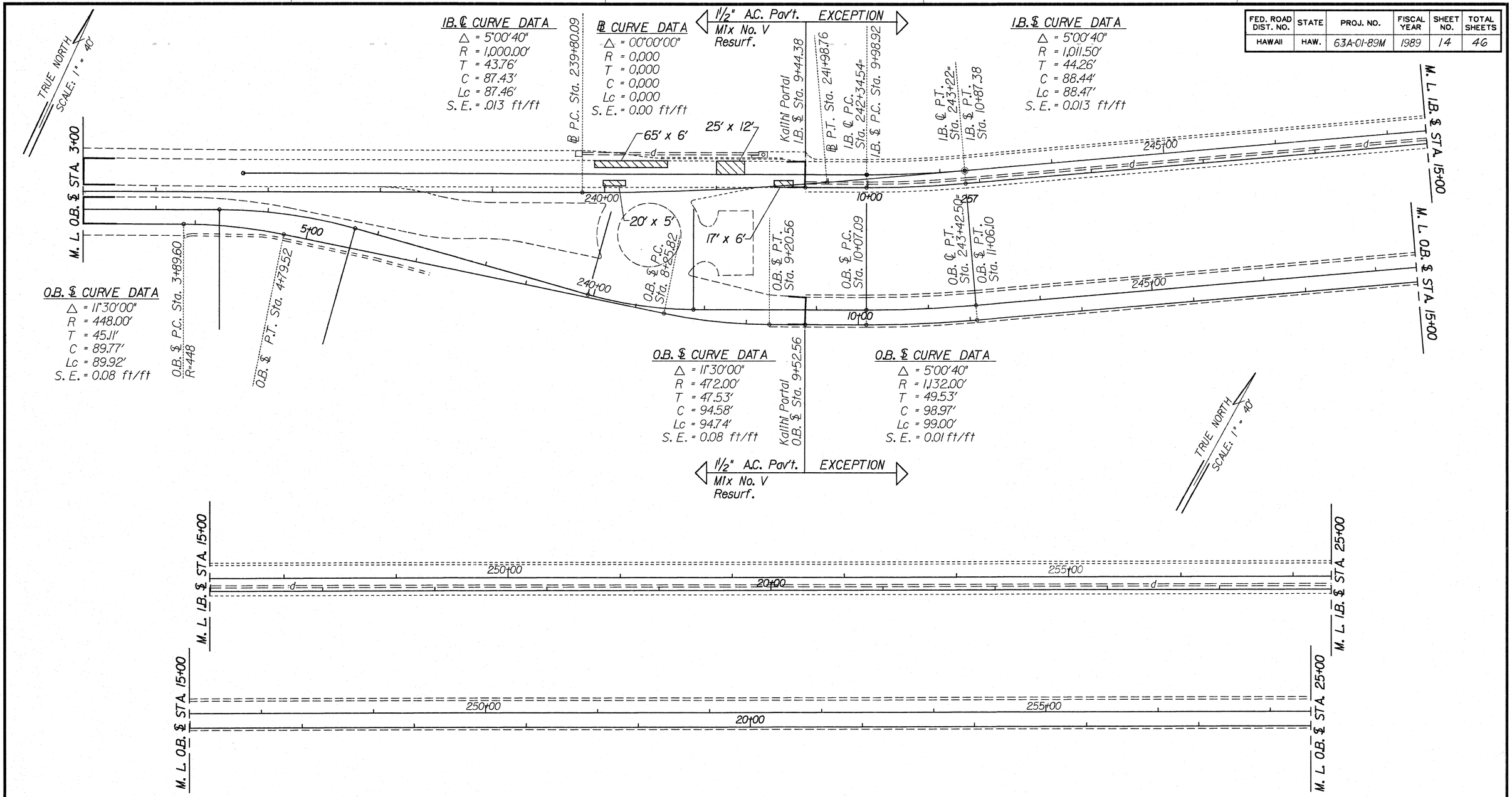
PLAN

LIKELIKE HWY. RESURFACING
Burmeister Overpass to Kamehameha Hwy.
PROJECT NO. 63A-01-89M

Scale: 1" = 40' Date: Jan., 1989

SHEET No. 4 OF 14 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	63A-01-89M	1989	14	46



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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

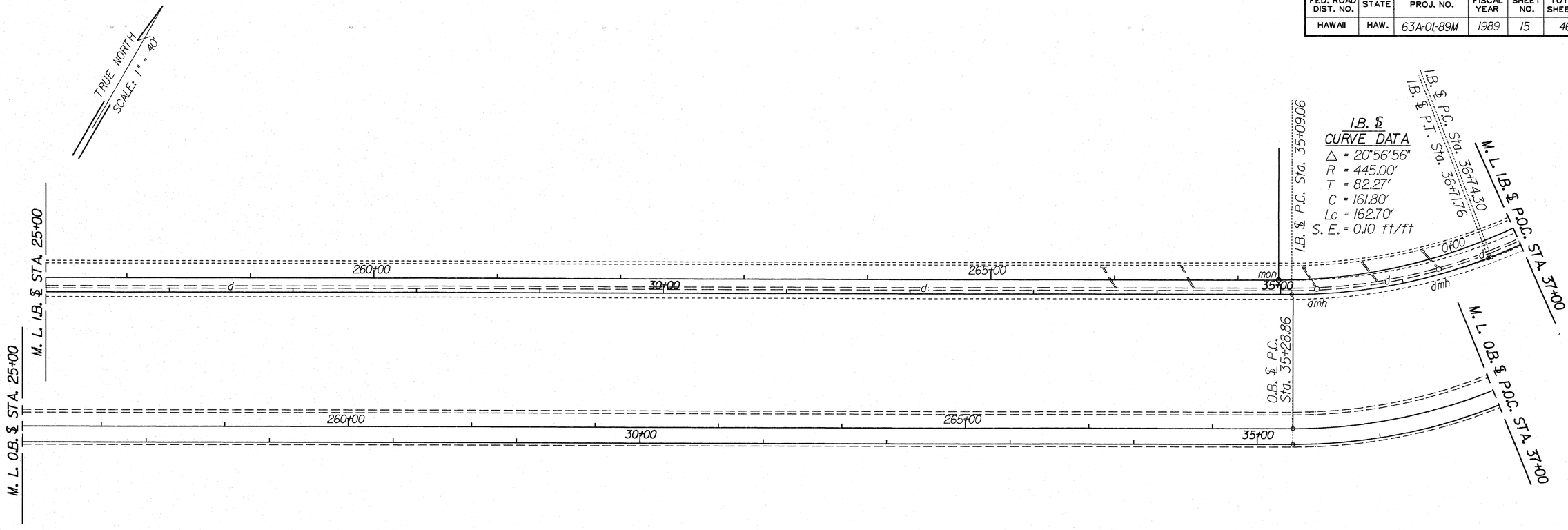
PLAN

LIKELIKE HWY. RESURFACING
Burmeister Overpass to Kamehameha Hwy.
PROJECT NO. 63A-01-89M

Scale: 1" = 40' Date: Jan., 1989

SHEET No. 5 OF 14 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	63A-01-89M	1989	15	46



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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN

LIKELIKE HWY. RESURFACING
Burmelster Overpass to Kamehameha Hwy.
PROJECT NO. 63A-01-89M

Scale: 1" = 40' Date: Jan., 1989

SHEET No. 6 OF 14 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	63A-01-89M	1989	16	46

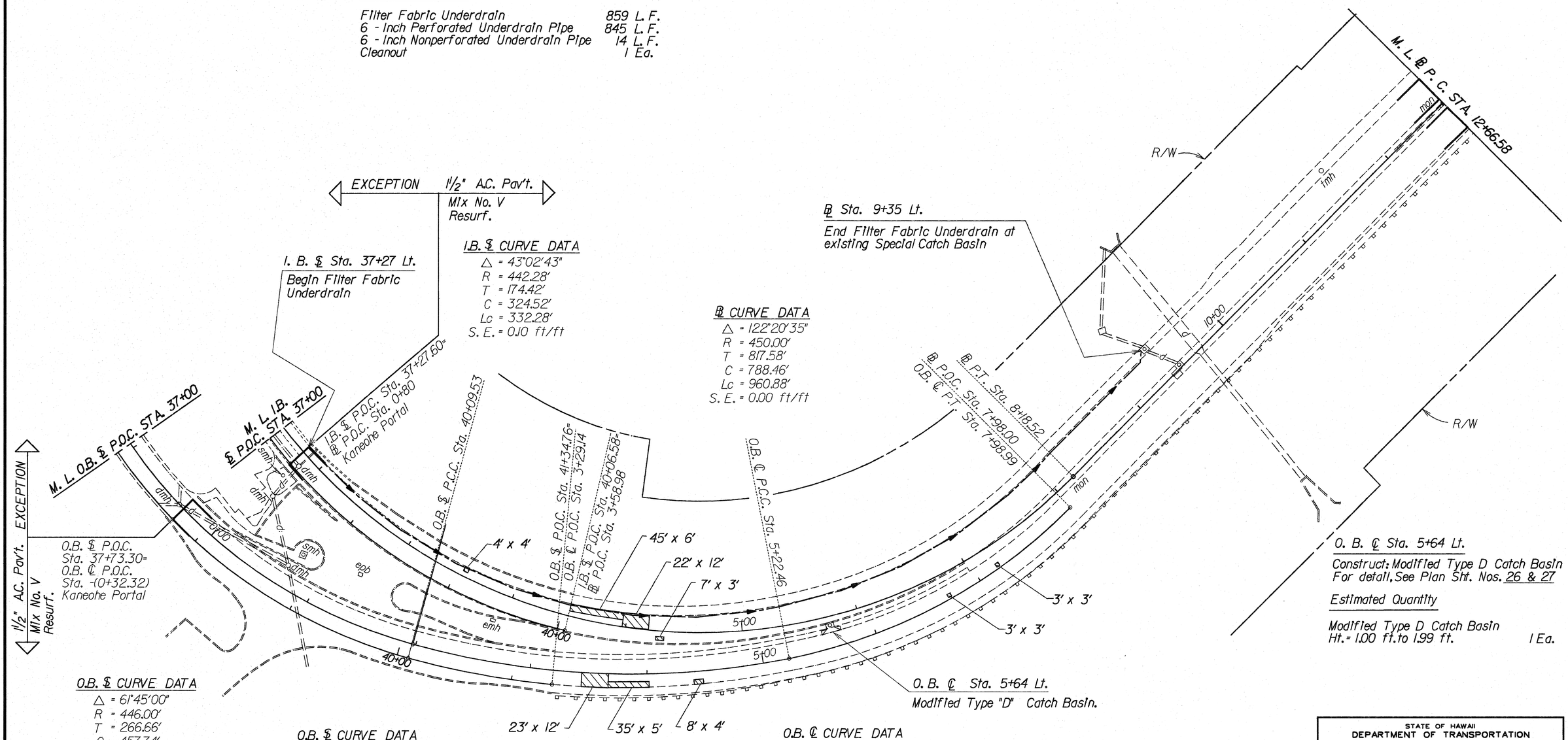
I. B. ℄ Sta. 37+27 Lt. to ℄ Sta. 9+35 Lt.

Install Filter Fabric Underdrain
For detail, See Plan Sht. Nos. 28 & 29

Estimated Quantity

Filter Fabric Underdrain	859 L. F.
6 - Inch Perforated Underdrain Pipe	845 L. F.
6 - Inch Nonperforated Underdrain Pipe	14 L. F.
Cleanout	1 Ea.

TRUE NORTH
SCALE: 1" = 40'



O. B. ℄ Sta. 5+64 Lt.

Construct: Modified Type D Catch Basin
For detail, See Plan Sht. Nos. 26 & 27

Estimated Quantity

Modified Type D Catch Basin
Ht. = 1.00 ft. to 1.99 ft. 1 Ea.

O.B. ℄ CURVE DATA
△ = 61°45'00"
R = 446.00'
T = 266.66'
C = 457.74'
Lc = 480.67'
S. E. = 0.10 ft/ft

O.B. ℄ CURVE DATA
△ = 10°04'41"
R = 712.00'
T = 62.78'
C = 125.08'
Lc = 125.24'
S. E. = 0.10 ft/ft

O.B. ℄ CURVE DATA
△ = 26°35'35"
R = 700.00'
T = 165.43'
C = 321.99'
Lc = 324.90'
S. E. = 0.00 ft/ft

O.B. ℄ CURVE DATA
△ = 34°00'00"
R = 466.00'
T = 142.47'
C = 272.49'
Lc = 276.53'
S. E. = 0.00 ft/ft

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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

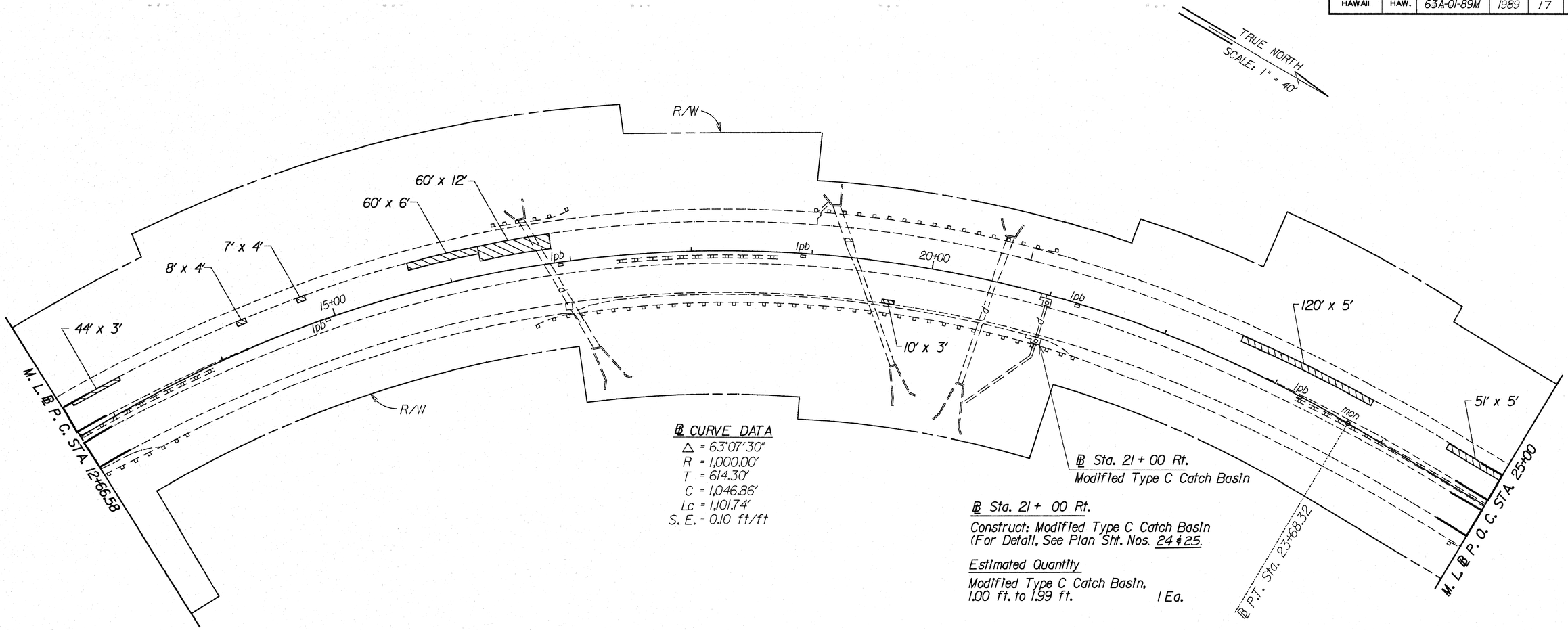
PLAN

LIKELIKE HWY. RESURFACING
Burmeister Overpass to Kamehameha Hwy.
PROJECT NO. 63A-01-89M

Scale: 1" = 40' Date: Jan., 1989

SHEET No. 7 OF 14 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	63A-01-89M	1989	17	46



℄ CURVE DATA

△ = 63°07'30"
R = 1,000.00'
T = 614.30'
C = 1,046.86'
Lc = 1,101.74'
S. E. = 0.10 ft/ft

℄ Sta. 21 + 00 Rt.

Construct: Modified Type C Catch Basin
(For Detail, See Plan Sht. Nos. 24 & 25.

Estimated Quantity

Modified Type C Catch Basin, 1.00 ft. to 1.99 ft.	1 Ea.

ORIGINAL PLAN
NOTE BOOK
SURVEY PLOTTED BY
DRAWN BY
TRACED BY
DESIGNED BY
QUANTITIES BY
CHECKED BY
DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN

LIKELIKE HWY. RESURFACING
Burmeister Overpass to Kamehameha Hwy.
PROJECT NO. 63A-01-89M

Scale: 1" = 40' Date: Jan., 1989

SHEET No. 8 OF 14 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	63A-01-89M	1989	18	46

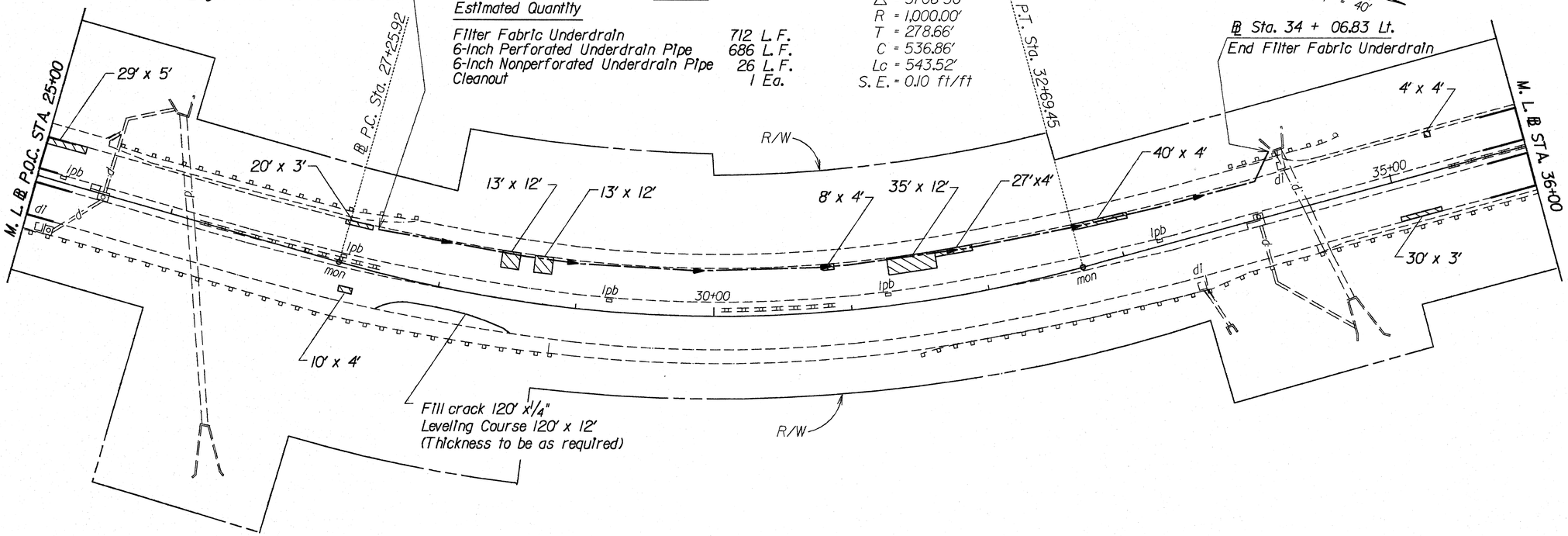
℄ Sta. 27 + 50 Lt.
Begin Filter Fabric Underdrain

℄ Sta. 27 + 50 Lt.
Install Filter Fabric Underdrain
For detail, See Plan Sht. Nos. 28 & 29.
Estimated Quantity

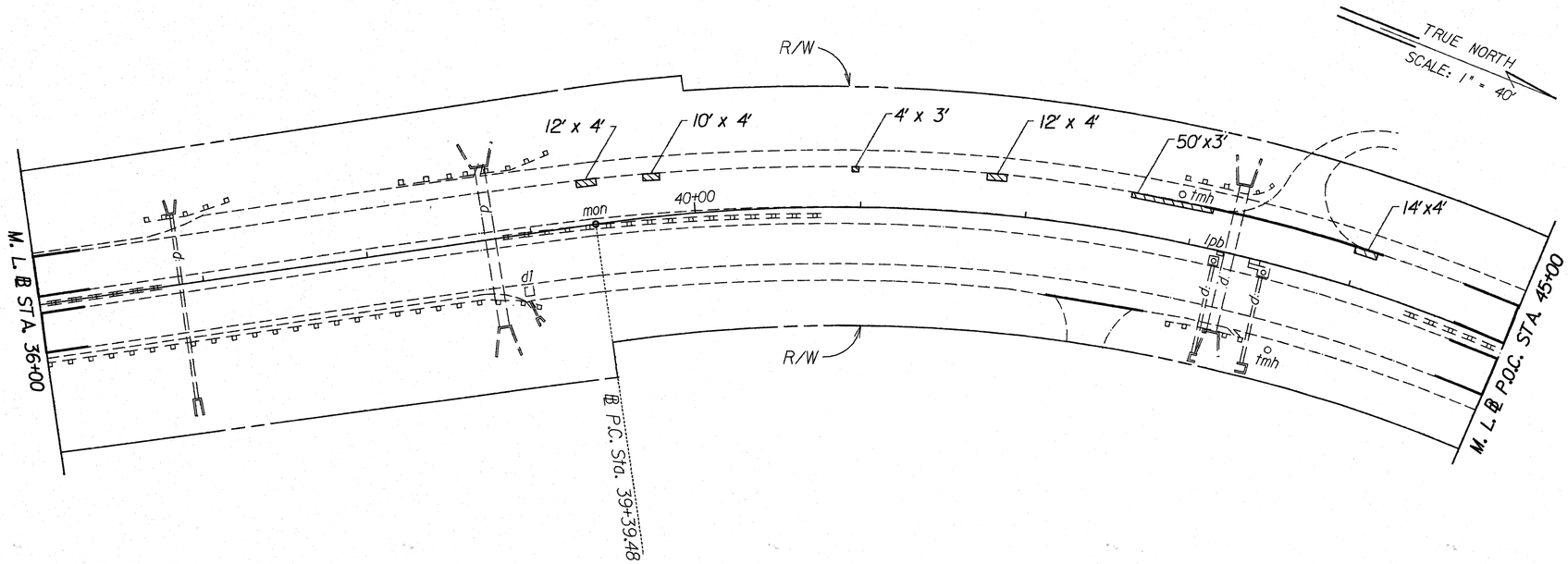
Filter Fabric Underdrain	712 L.F.
6-Inch Perforated Underdrain Pipe	686 L.F.
6-Inch Nonperforated Underdrain Pipe	26 L.F.
Cleanout	1 Ea.

℄ CURVE DATA
△ = 31°08'30"
R = 1,000.00'
T = 278.66'
C = 536.86'
Lc = 543.52'
S.E. = 0.10 ft/ft

TRUE NORTH
SCALE: 1" = 40'



TRUE NORTH
SCALE: 1" = 40'



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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN

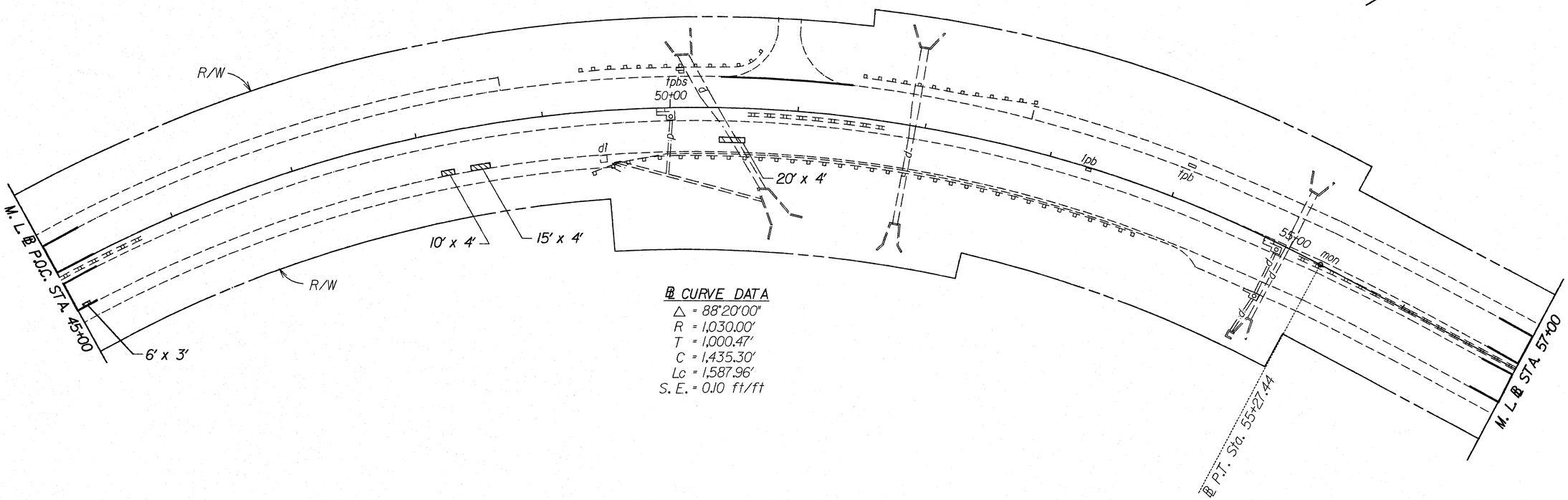
LIKELIKE HWY. RESURFACING
Burmeister Overpass to Kamehameha Hwy.
PROJECT NO. 63A-01-89M

Scale: 1" = 40' Date: Jan., 1989

SHEET No. 9 OF 14 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	63A-01-89M	1989	19	46

TRUE NORTH
SCALE: 1" = 40'



℄ CURVE DATA
△ = 88°20'00"
R = 1,030.00'
T = 1,000.47'
C = 1,435.30'
Lc = 1,587.96'
S. E. = 0.10 ft/ft

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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

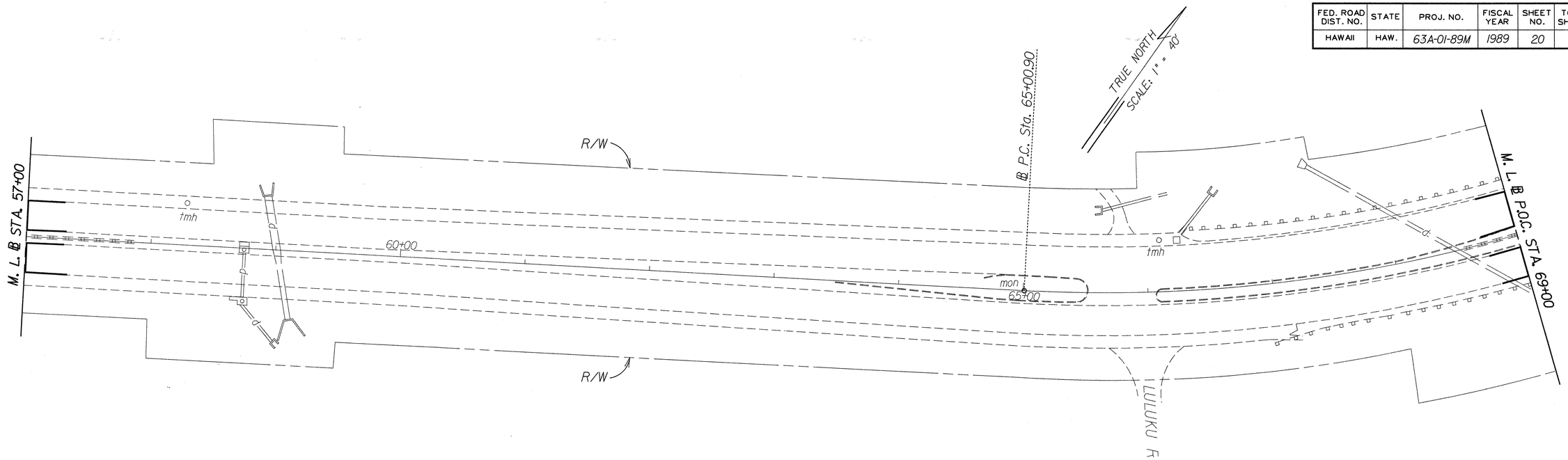
PLAN

LIKELIKE HWY. RESURFACING
Burmeister Overpass to Kamehameha Hwy.
PROJECT NO. 63A-01-89M

Scale: 1" = 40' Date: Jan., 1989

SHEET No. 10 OF 14 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	63A-01-89M	1989	20	46



LEGEND FOR AS-BUILT POSTINGS

~~^^^^~~	Squiggly line for as-built deletion
~~100.00~~	Double line for as-built deletion
Roadway	Text for as-built posting

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN

LIKELIKE HWY. RESURFACING
Burmeister Overpass to Kamehameha Hwy.
PROJECT NO. 63A-01-89M

Scale: 1" = 40' Date: Jan., 1989

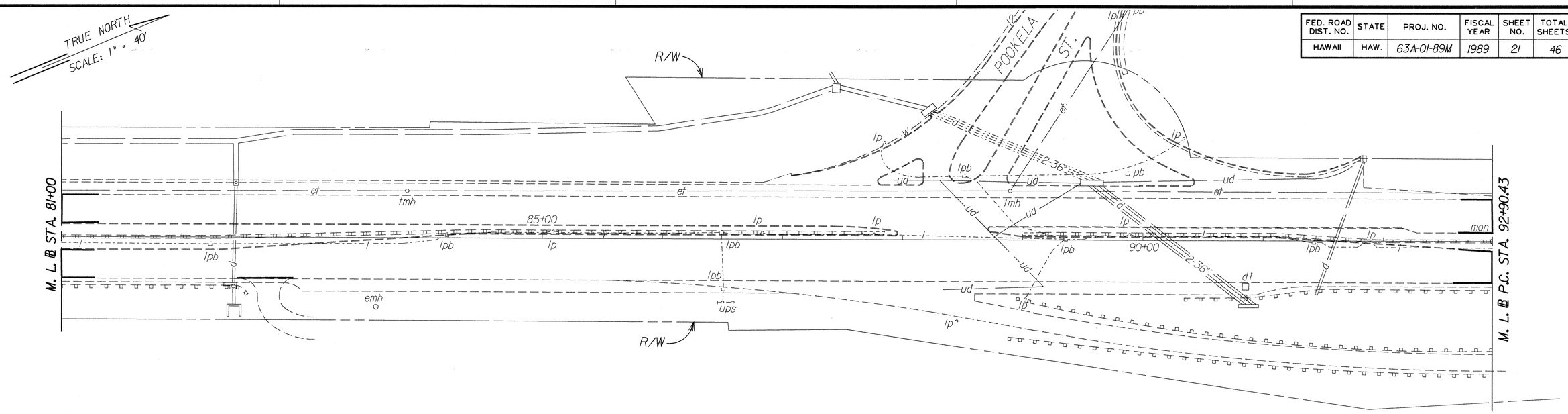
SHEET No. 11 OF 14 SHEETS

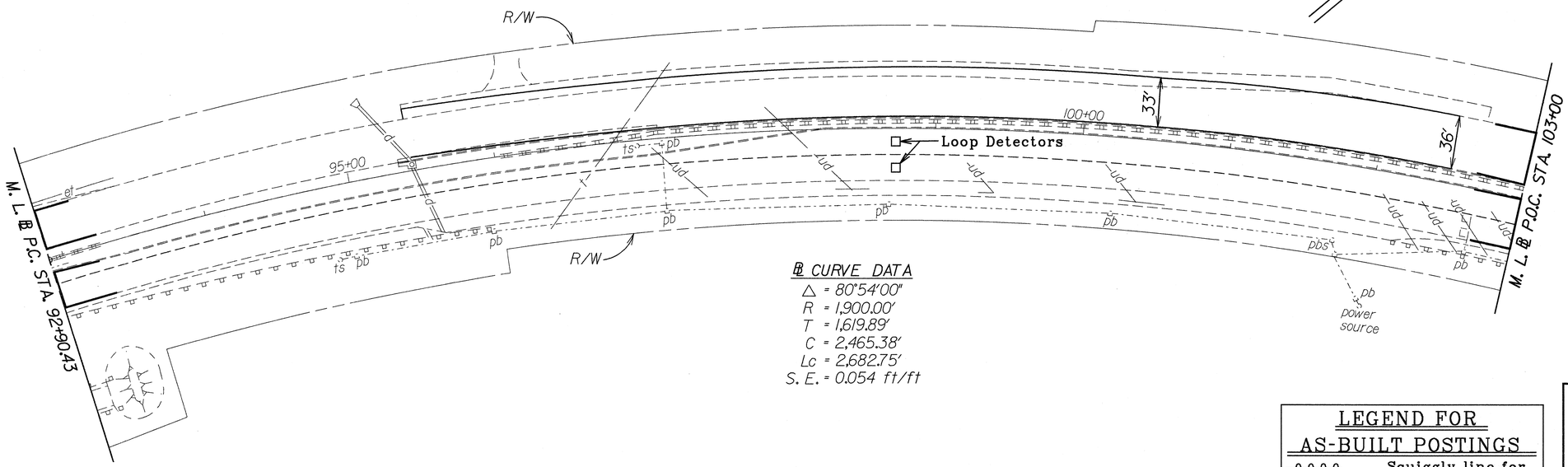
ORIGINAL PLAN
NOTE BOOK
SURVEY PLOTTED BY
MAPS BY
TRACED BY
DESIGNED BY
QUANTITIES BY
CHECKED BY
DATE

AS-BUILT

20

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	63A-01-89M	1989	21	46





℄ CURVE DATA

△ = 80°54'00"
R = 1,900.00'
T = 1,619.89'
C = 2,465.38'
Lc = 2,682.75'
S. E. = 0.054 ft/ft

LEGEND FOR AS-BUILT POSTINGS

~~	Squiggly line for as-built deletion
~~100.00~~	Double line for as-built deletion
Roadway	Text for as-built posting

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN

LIKELIKE HWY. RESURFACING
Burmeister Overpass to Kamehameha Hwy.
PROJECT NO. 63A-01-89M

Scale: 1" = 40' Date: Jan., 1989

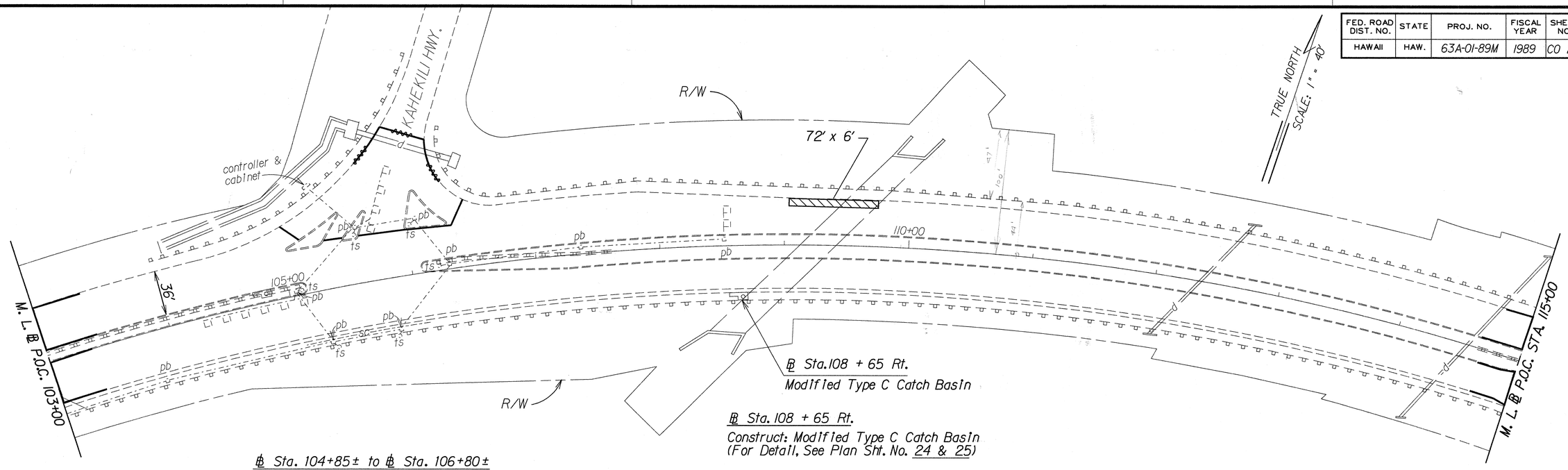
SHEET No. 12 OF 14 SHEETS

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

AS-BUILT

21

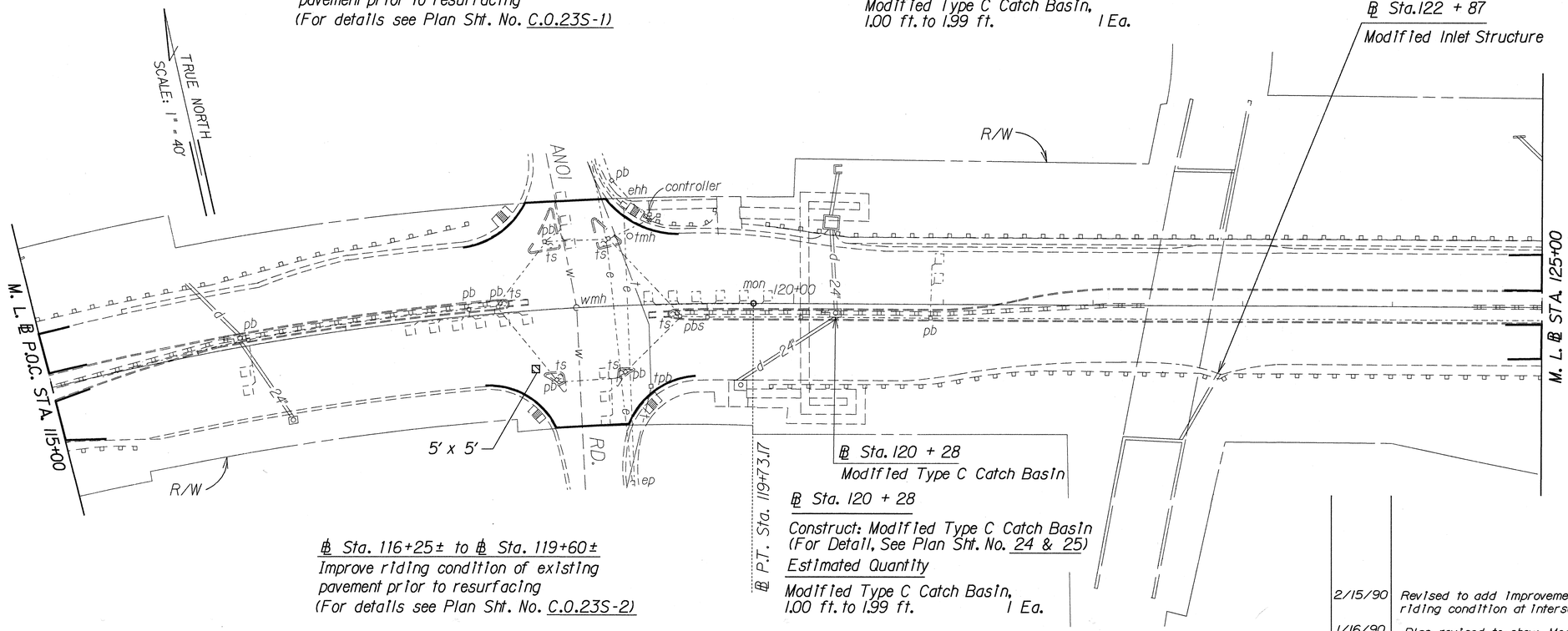
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	63A-01-89M	1989	CO 22	46



℄ Sta. 104+85± to ℄ Sta. 106+80±
Improve riding condition of existing pavement prior to resurfacing
(For details see Plan Sht. No. C.O.23S-1)

℄ Sta. 108 + 65 Rt.
Construct: Modified Type C Catch Basin
(For Detail, See Plan Sht. No. 24 & 25)

Estimated Quantity
Modified Type C Catch Basin,
1.00 ft. to 1.99 ft. 1 Ea.



℄ Sta. 116+25± to ℄ Sta. 119+60±
Improve riding condition of existing pavement prior to resurfacing
(For details see Plan Sht. No. C.O.23S-2)

℄ Sta. 120 + 28
Construct: Modified Type C Catch Basin
(For Detail, See Plan Sht. No. 24 & 25)

Estimated Quantity
Modified Type C Catch Basin,
1.00 ft. to 1.99 ft. 1 Ea.

℄ Sta. 122 + 87
Modified Inlet Structure

℄ Sta. 122 + 87
Construct: Modified Inlet Structure
(For Detail, See Plan Sht. No. C.O. 29 S-1)

Estimated Quantity
Modified Inlet Structure 1 Ea.

LEGEND FOR AS-BUILT POSTINGS

~~^^^^~~	Squiggly line for as-built deletion
~~100.00~~	Double line for as-built deletion
Roadway	Text for as-built posting

DATE	REVISION
2/15/90	Revised to add Improvements to riding condition at intersections.
1/16/90	Plan revised to show Modified Inlet Structure.

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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN

LIKELIKE HWY. RESURFACING
Burmeister Overpass to Kamehameha Hwy.
PROJECT NO. 63A-01-89M

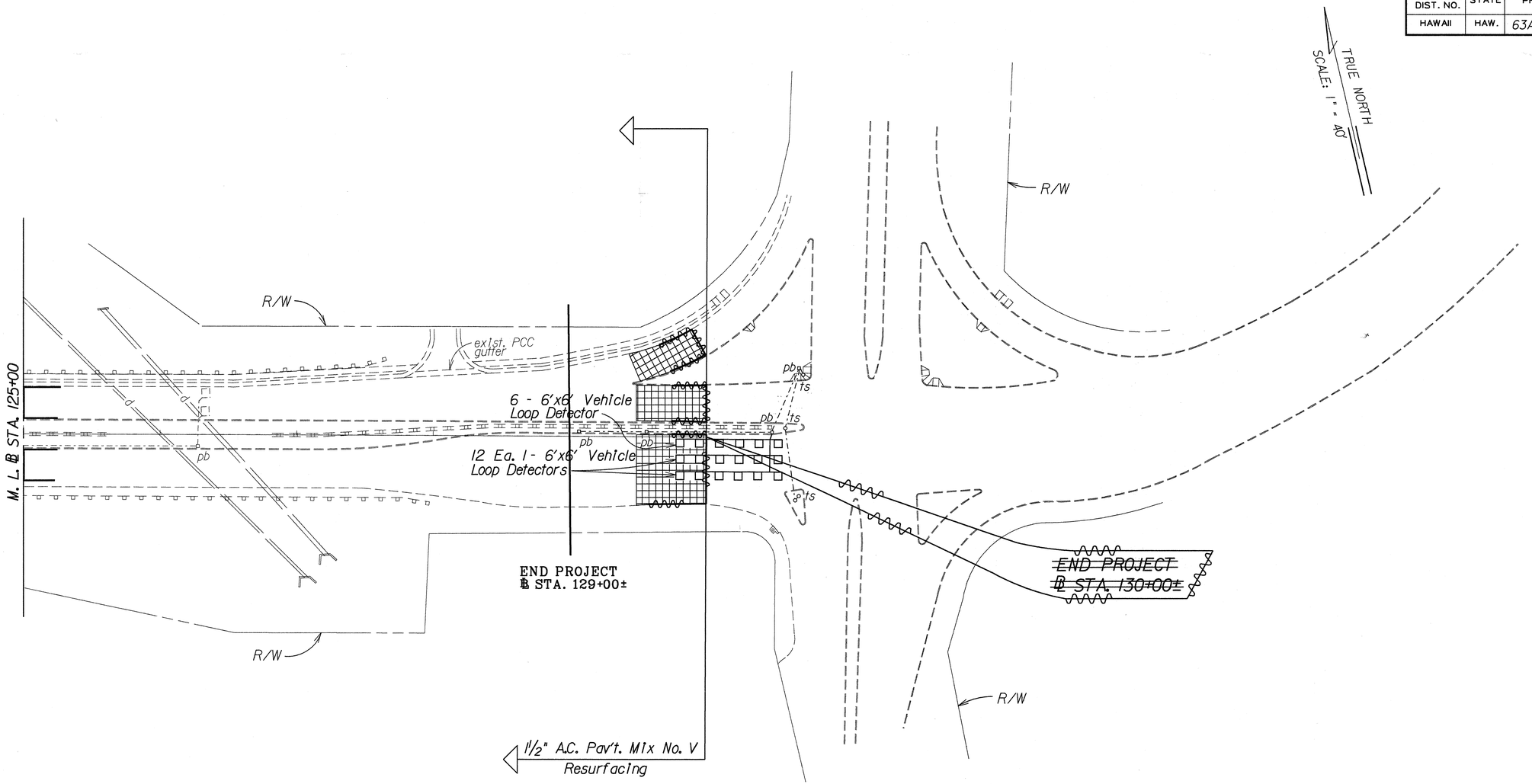
Scale: 1" = 40' Date: Jan., 1989

SHEET No. 13 OF 14 SHEETS

AS-BUILT

C.O. 22

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	63A-01-89M	1989	23	46



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

LEGEND FOR AS-BUILT POSTINGS

~~	Squiggly line for as-built deletion
~~100.00~~	Double line for as-built deletion
Roadway	Text for as-built posting

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

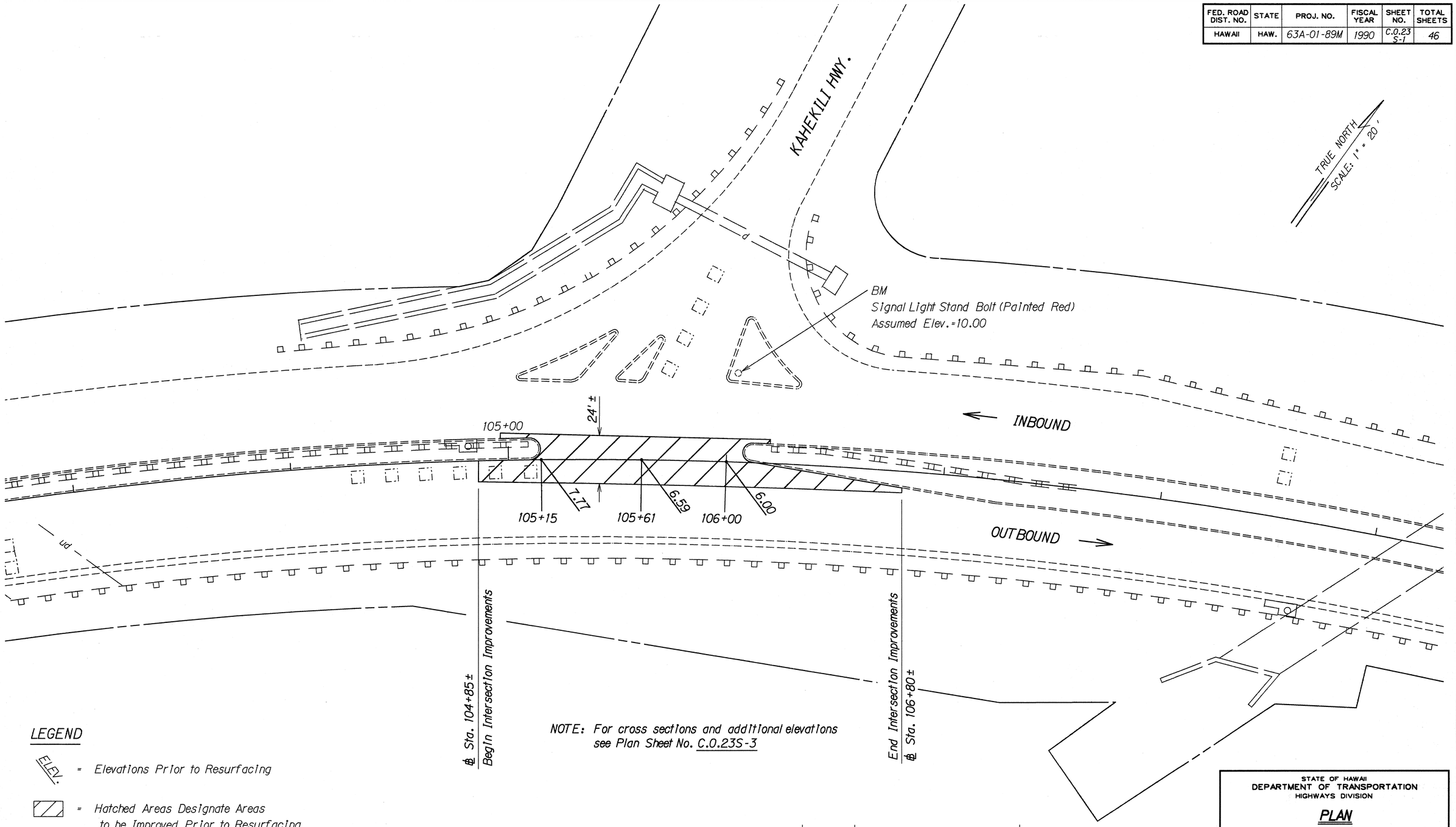
PLAN

LIKELIKE HWY. RESURFACING
Burmeister Overpass to Kamehameha Hwy.
PROJECT NO. 63A-01-89M

Scale: 1" = 40' Date: Jan., 1989

SHEET No. 14 OF 14 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	63A-01-89M	1990	C.O.23 S-1	46



LEGEND

ELEV. = Elevations Prior to Resurfacing

= Hatched Areas Designate Areas to be Improved Prior to Resurfacing

NOTE: For cross sections and additional elevations see Plan Sheet No. C.O.23S-3

DATE	REVISION
2/15/90	Sheet added to contract plans to show Improvements to riding condition at Kahekili Intersection.

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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN

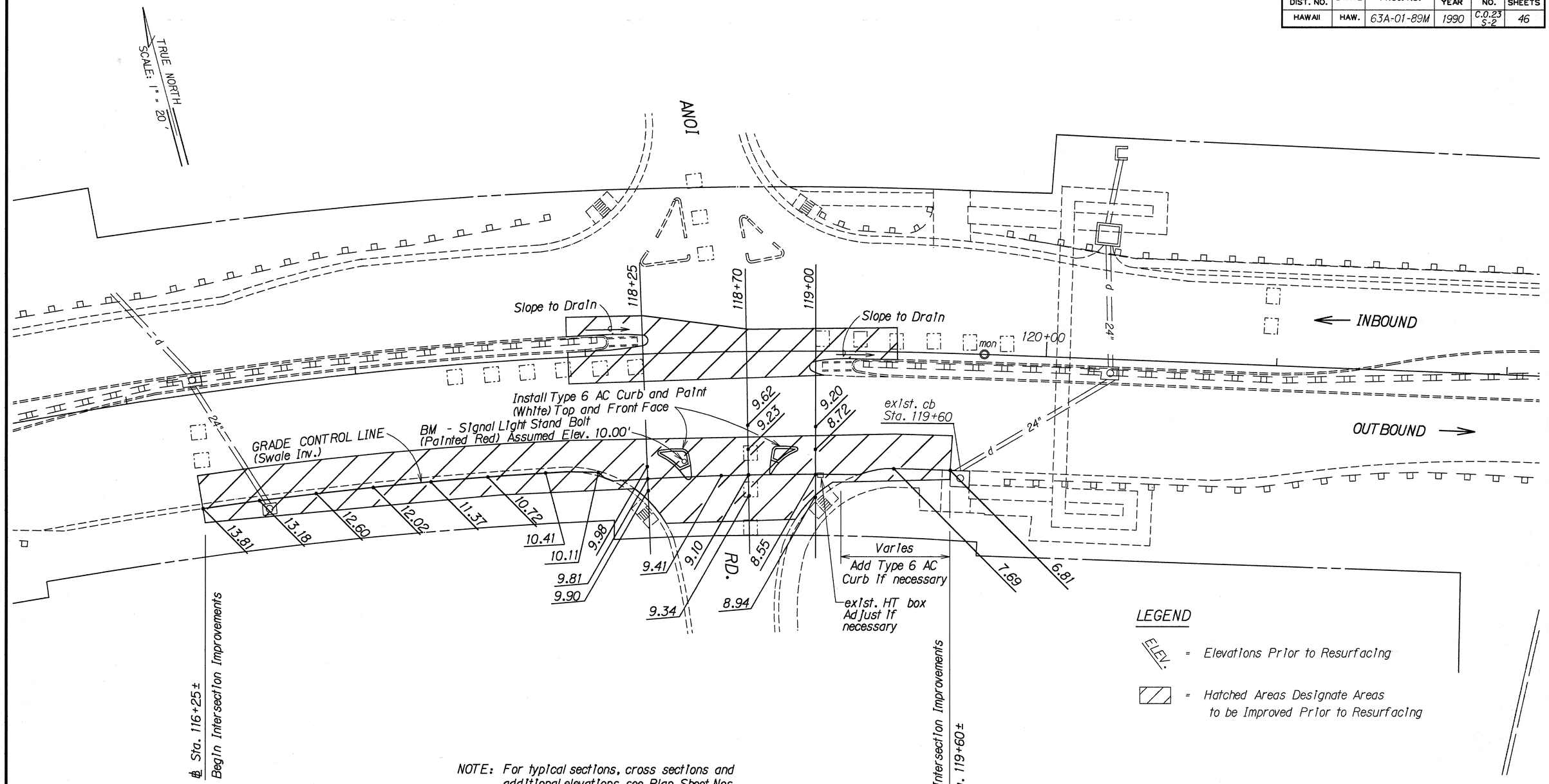
LIKELIKE HWY. RESURFACING
Burmeister Overpass to Kamehameha Hwy.
PROJECT NO. 63A-01-89M

Scale: 1" = 20' Date: Feb., 1990

SHEET No. 14A OF 14 SHEETS

C.O.23S-1

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	63A-01-89M	1990	C.O.23 S-2	46



LEGEND

ELEV. = Elevations Prior to Resurfacing

= Hatched Areas Designate Areas to be Improved Prior to Resurfacing

NOTE: For typical sections, cross sections and additional elevations see Plan Sheet Nos. C.0.23S-3 & C.0.23S-4

DATE	REVISION
2/15/90	Sheet added to contract plans to show Improvements to riding condition at Anoi Intersection

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN

LIKELIKE HWY. RESURFACING
Burmeister Overpass to Kamehameha Hwy.
PROJECT NO. 63A-01-89M

Scale: 1" = 20' Date: Feb., 1990

SHEET No. 14B OF 14 SHEETS

ORIGINAL PLAN

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

C.O.23S-2

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	63A-01-89M	1990	C.O. 23 S-3	46

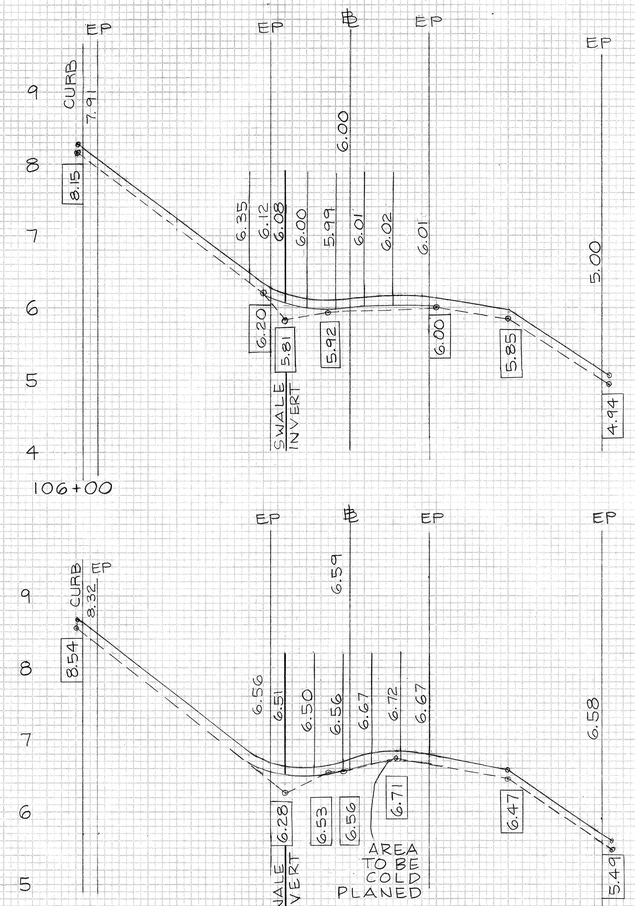
DATE	REVISION
2/15/90	Sheet added to contract plans to show improvements to riding condition at Kahekili and Anoi Intersection.

LIKELIKE HIGHWAY AT KAHEKILI HIGHWAY

SCALE HORIZ. 1"=10'
VERT. 1"=1'

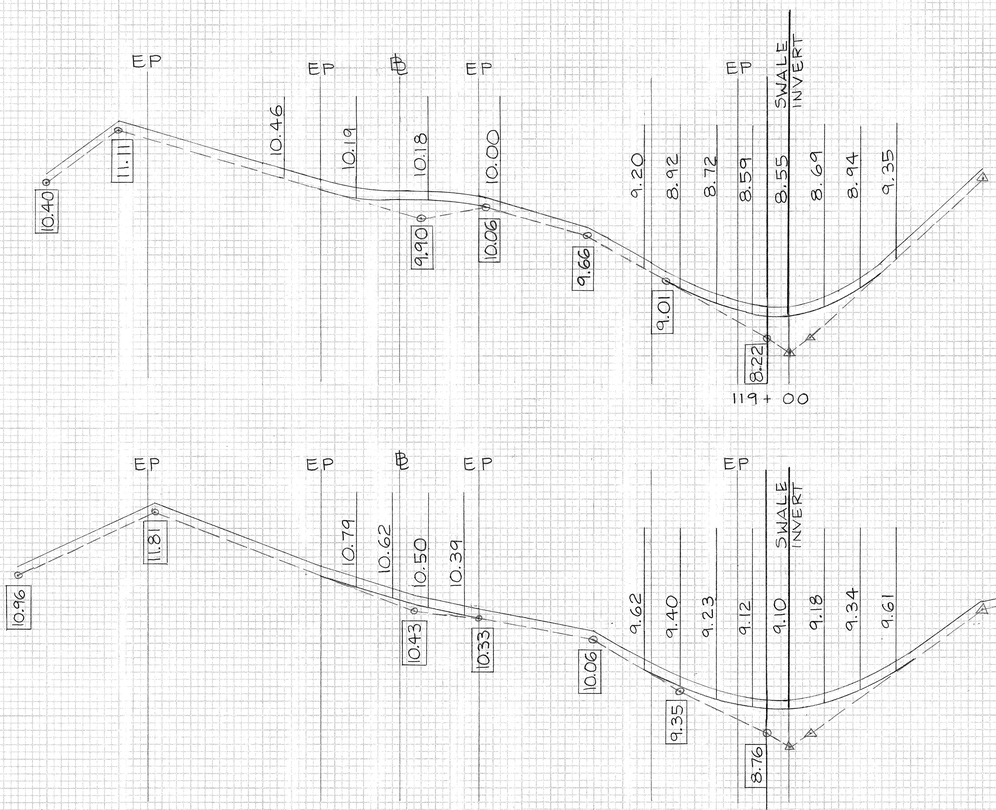
ELEV. = ELEV. PRIOR TO RESURFACING

ELEV. = EXISTING ELEV.



LIKELIKE HIGHWAY AT ANOI ROAD

SCALE HORIZ. 1"=10'
VERT. 1"=1'

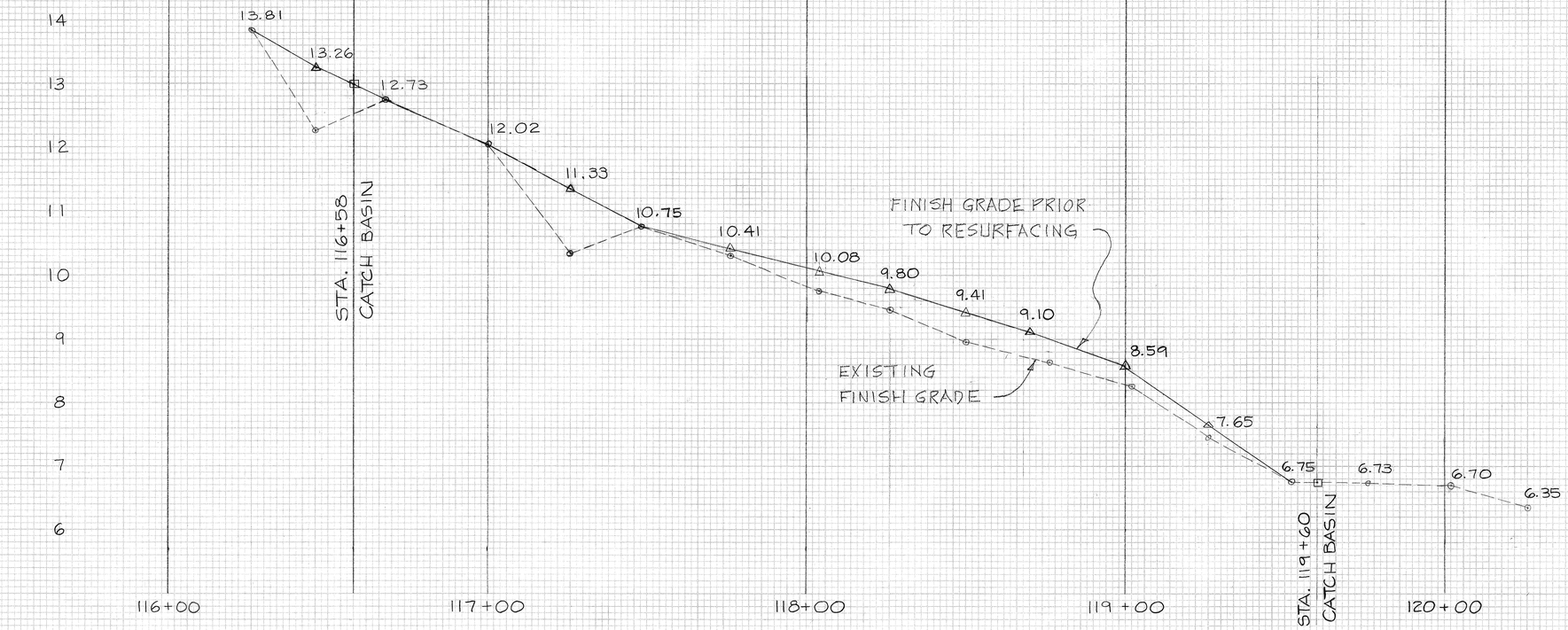


NOTES:
1. SWALE INVERTS WERE USED AS REFERENCE
2. EXACT AREAS TO BE COLD PLANED TO BE DETERMINED BY ENGINEER
3. CONVERSION FACTOR FOR GRADES: ACTUAL ELEV. = BOLT ELEV. + 104.77

SHEET No. 14C OF 14 SHEETS

C.O. 23 S-3

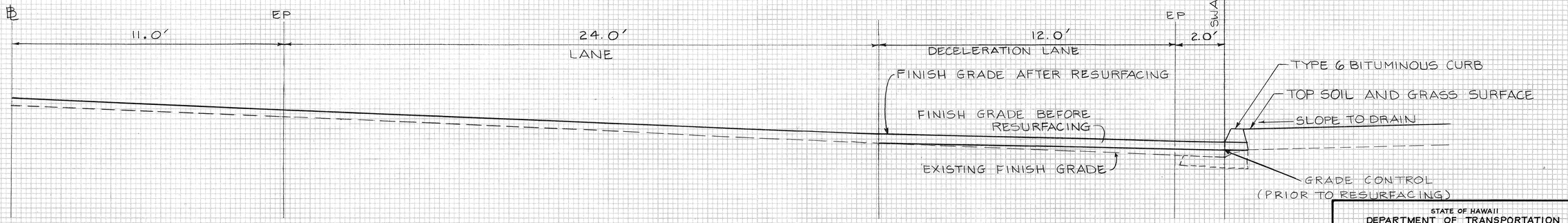
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	63A-01-89M	1990	C0.23 S-4	46



PROFILE AT INVERT OF SWALE/GUTTER PRIOR TO RESURF.

SCALE HORIZ. 1" = 20'

VERT. 1" = 1'



TYPICAL SECTION ℄ STA 117+00 to ℄ STA 118+26 ±

SCALE 1/2" = 1'

DATE	REVISION
2/15/90	Sheet added to contract plans to show improvements to riding condition at Anoi Intersection.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PROFILE & TYPICAL SECTION

LIKELIKE HWY. RESURFACING
Burmeister Overpass to Kamehameha Hwy.
PROJECT NO. 63A-01-89M

Scale: As Noted Date: Feb. 1990

SHEET NO. 14 OF 14 SHEETS

C.O. 23 S-4

FINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, AREAS, CROSS CHECKED, NOTE BOOK, NO., BY, DATE

ORIGINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, AREAS, CROSS CHECKED, NOTE BOOK, NO., BY, DATE