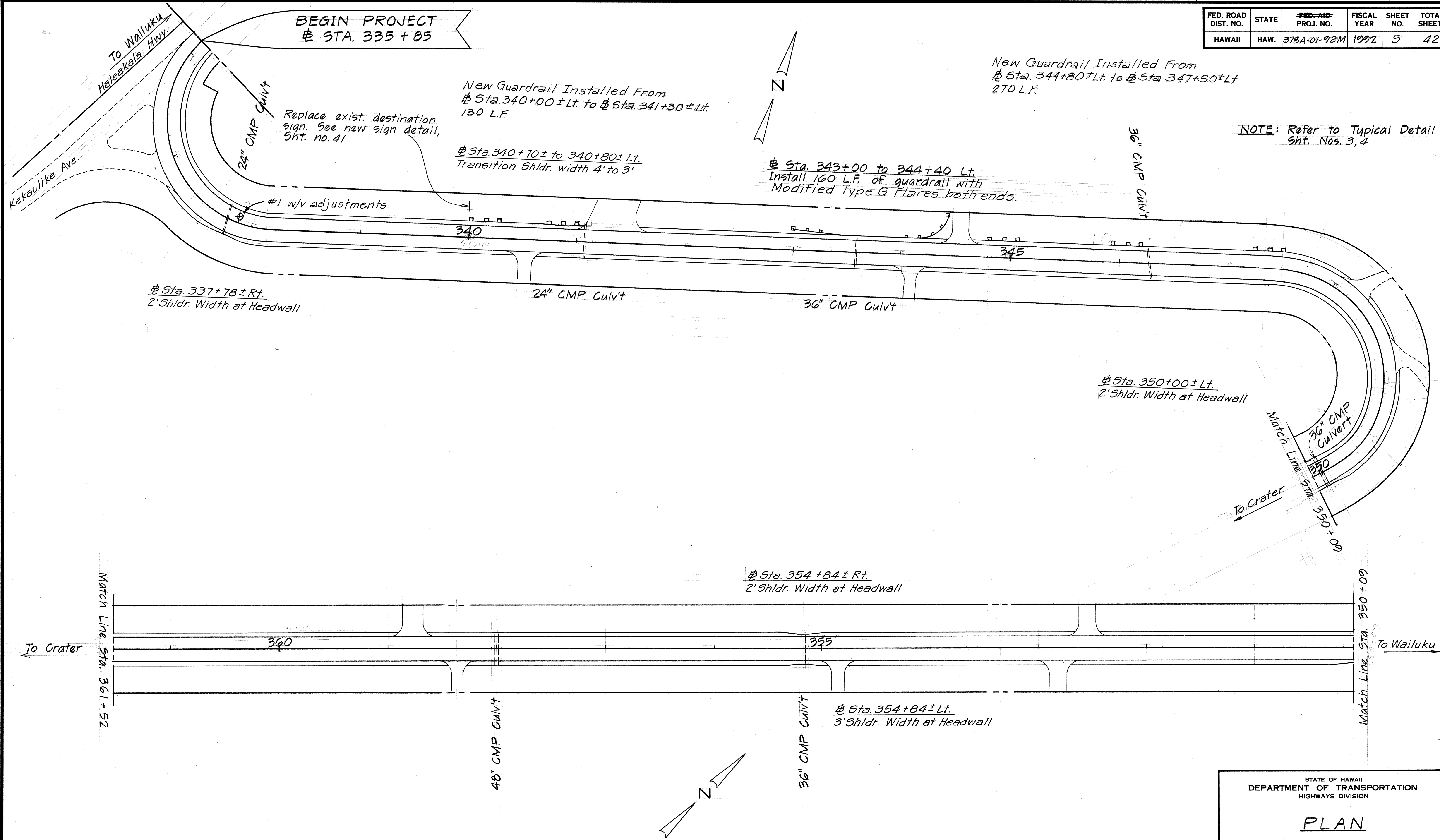


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	378A-01-92M	1992	5	42



NOTE: Refer to Typical Detail Sht. Nos. 3, 4

SURVEY PLOTTED BY	DATE
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QUANTITIES BY	
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ORIGINAL PLAN	
NOTE BOOK	
NO.	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN

HALEAKALA CRATER ROAD
RESURFACING
PROJECT NO. 378A-01-92M
Scale: 1" = 40' Date: April, 1992
SHEET NO. 1 OF 17 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	378A-01-92M	1992	6	42

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

#1 Sta. 382+00± to 384+75± Rt.
Replace Approach ramped end, Flared section w/ Modified Type G Flares both ends; adjust guardrail, post heights

#1 Existing Open Ditch To Be Back Filled.
Construct a Bituminous Swale.

NOTE: Refer to Typical Detail Sht. Nos. 3, 4

Sta. 394+73± to 396+95± Lt.
Replace ramped ends, Flared sections w/ Modified Type G Flares both ends; adjust guardrail, post heights

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN

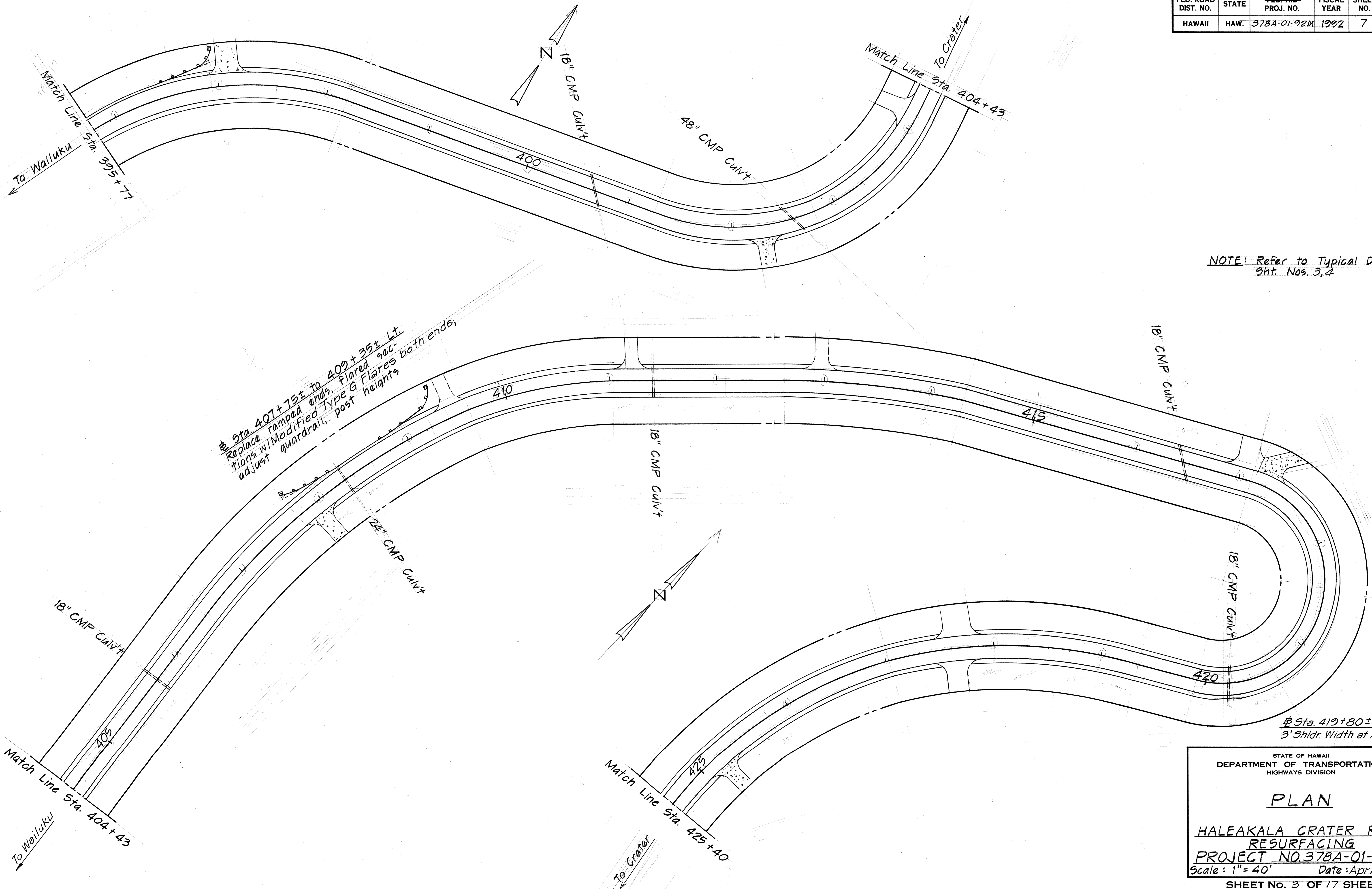
HALEAKALA CRATER ROAD RESURFACING

PROJECT NO. 378A-01-92M

Scale: 1" = 40' Date: April, 1992

SHEET NO. 2 OF 17 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	378A-01-92M	1992	7	42



NOTE: Refer to Typical Detail Sht. Nos. 3, 4

Sta. 407+75± to 409+35± Lt.
Replace ramped ends. Flared sec-
tions w/ Modified Type G Flares both ends;
adjust guardrail post heights

Sta. 419+80± Lt.
3' Shldr. Width at Headwall

SURVEY PLOTTED BY	DATE
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CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

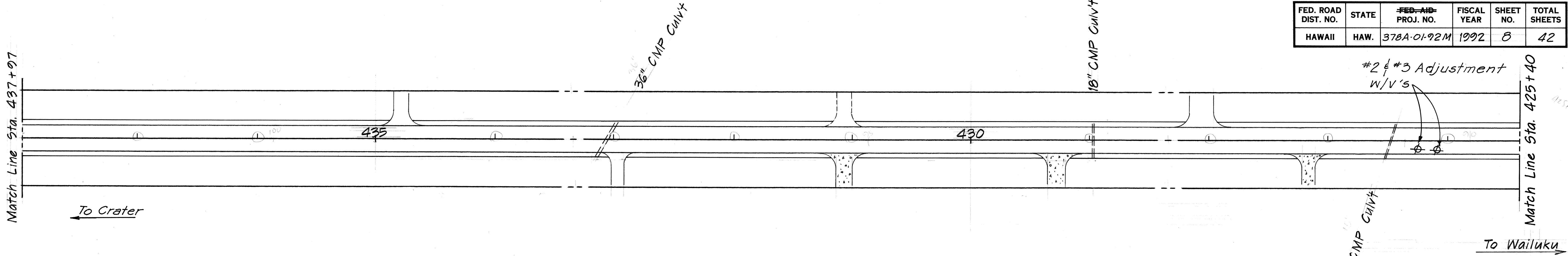
PLAN

HALEAKALA CRATER ROAD RESURFACING

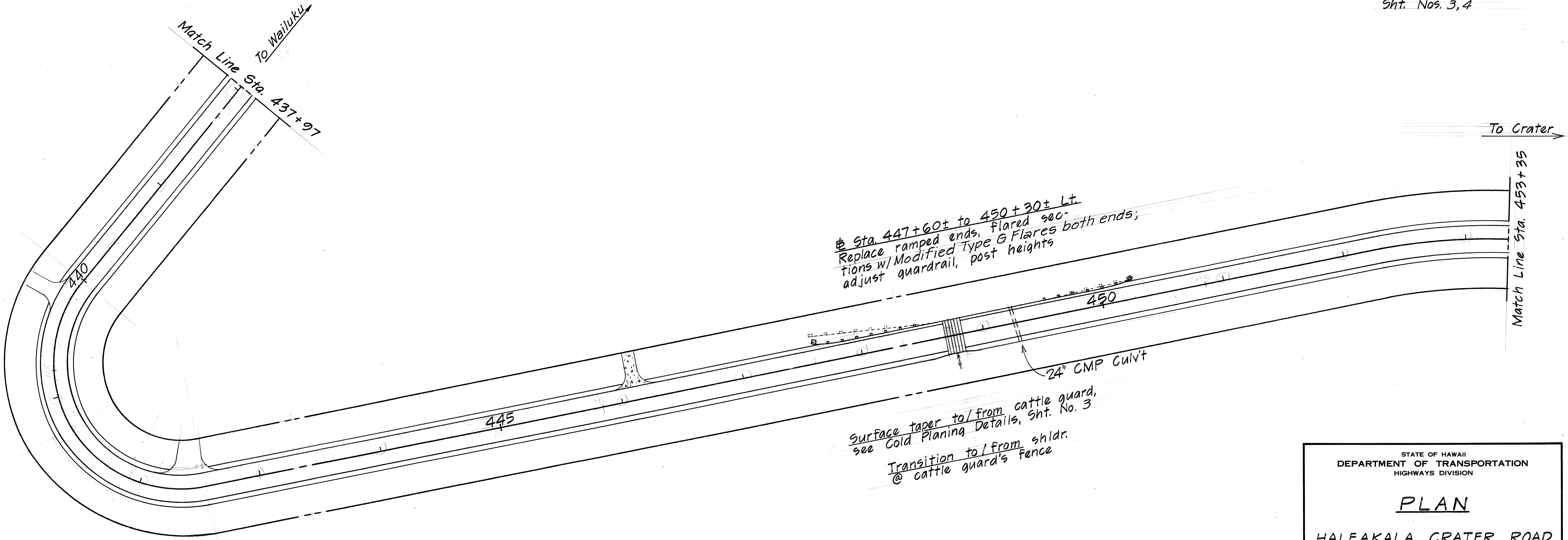
PROJECT NO. 378A-01-92M
Scale: 1" = 40' Date: April, 1992

SHEET NO. 3 OF 17 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	378A-01-92M	1992	8	42



NOTE: Refer to Typical Detail Sht. Nos. 3, 4



SURVEY PLOTTED BY	DATE
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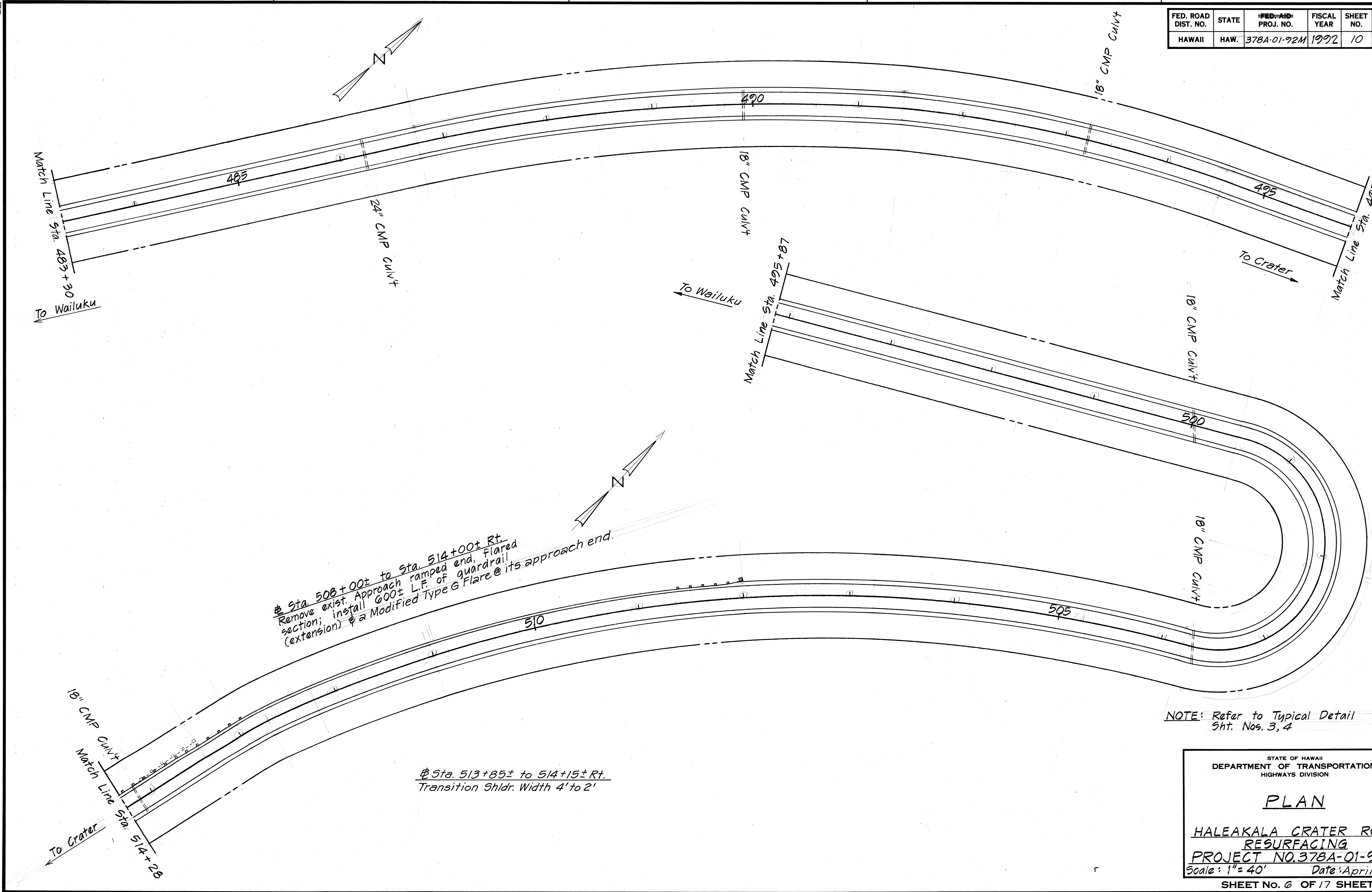
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN

HALEAKALA CRATER ROAD
RESURFACING
PROJECT NO. 378A-01-92M
Scale: 1" = 40' Date: April, 1992

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	378A-01-92M	1992	10	42

ORIGINAL	SURVEY PLOTTED BY	DATE
PLAN	DRAWN BY	
NOTE BOOK	DESIGNED BY	
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NOTE: Refer to Typical Detail Sht. Nos. 3, 4

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

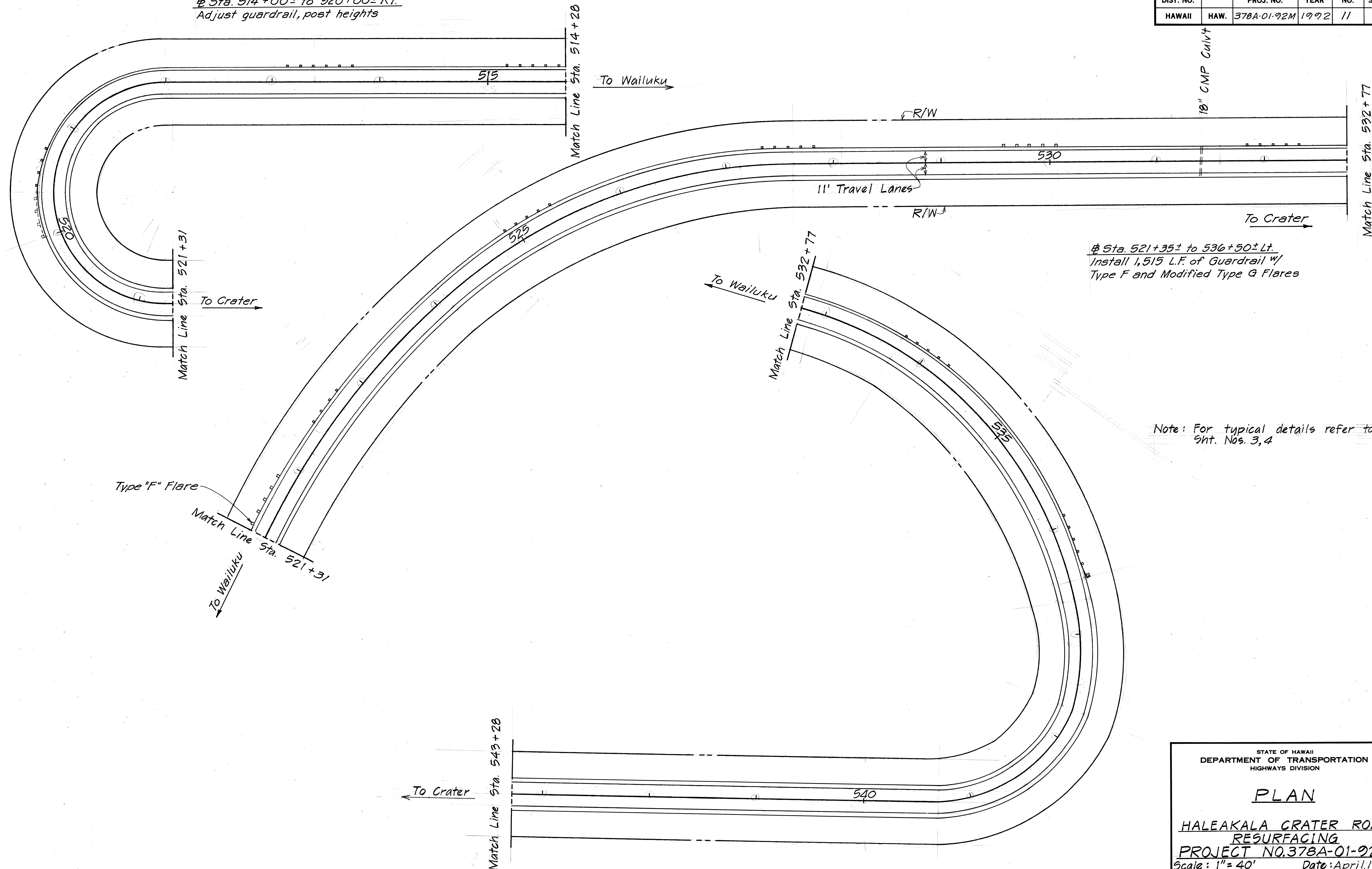
PLAN

HALEAKALA CRATER ROAD
RESURFACING
PROJECT NO. 378A-01-92M
Scale: 1" = 40' Date: April, 1992

SHEET No. 6 OF 17 SHEETS

Sta. 514+00± to 520+00± Rt.
Adjust guardrail, post heights

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	378A-01-92M	1992	11	42



Sta. 521+35± to 536+50± Lt.
Install 1,515 L.F. of Guardrail w/
Type F and Modified Type G Flares

Note: For typical details refer to
Sht. Nos. 3, 4

ORIGINAL	SURVEY PLOTTED BY	DATE
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NOTE BOOK	DESIGNED BY	
No.	QUANTITIES BY	
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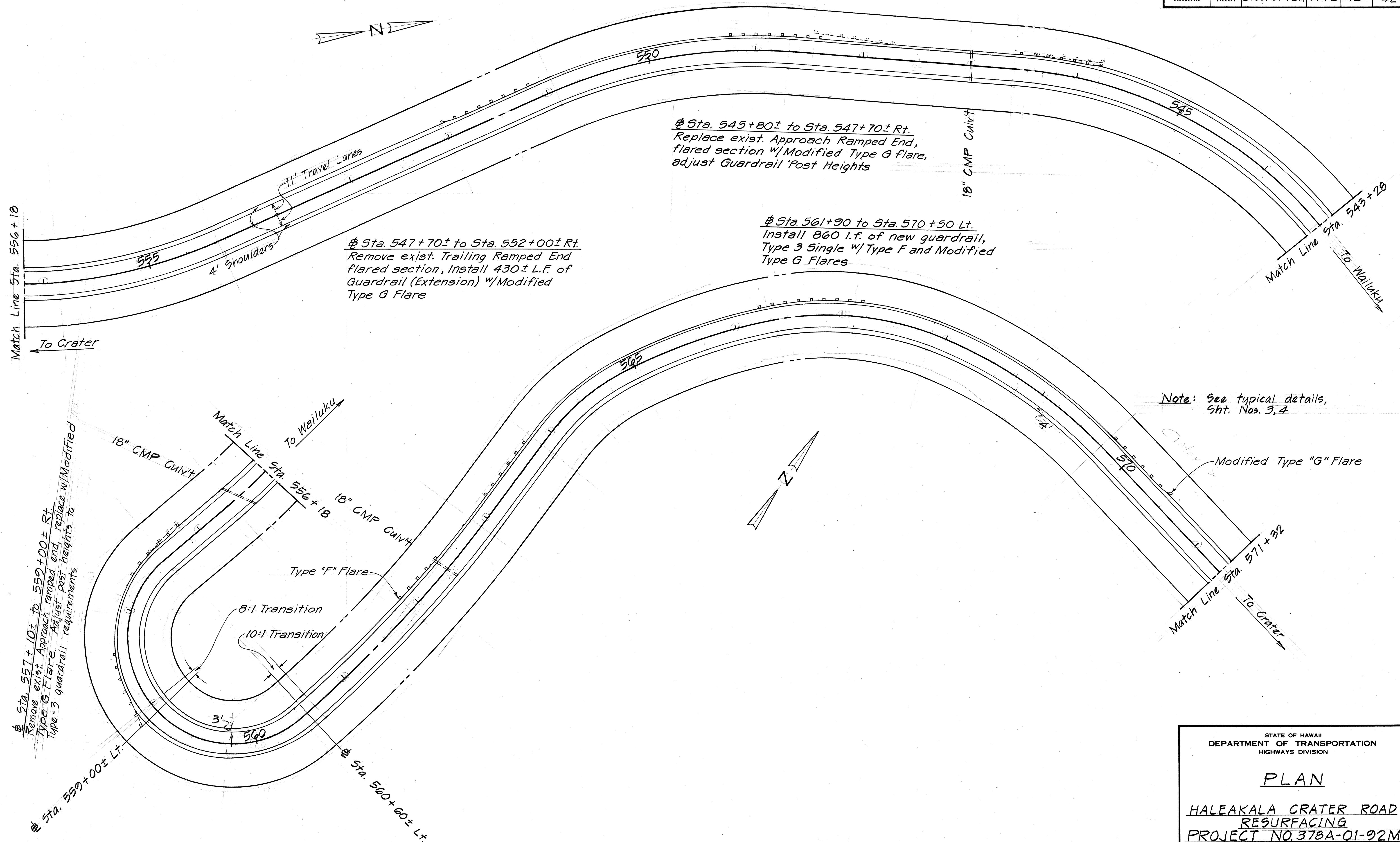
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN

HALEAKALA CRATER ROAD
RESURFACING
PROJECT NO. 378A-01-92M
Scale: 1" = 40' Date: April, 1992
SHEET No. 7 OF 17 SHEETS

Sta. 547+70± to Sta. 548+00± Rt.
Transition Shldr. Width 2' to 4'

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	378A-01-92M	1992	12	42



Note: See typical details, Sht. Nos. 3, 4

Modified Type "G" Flare

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN

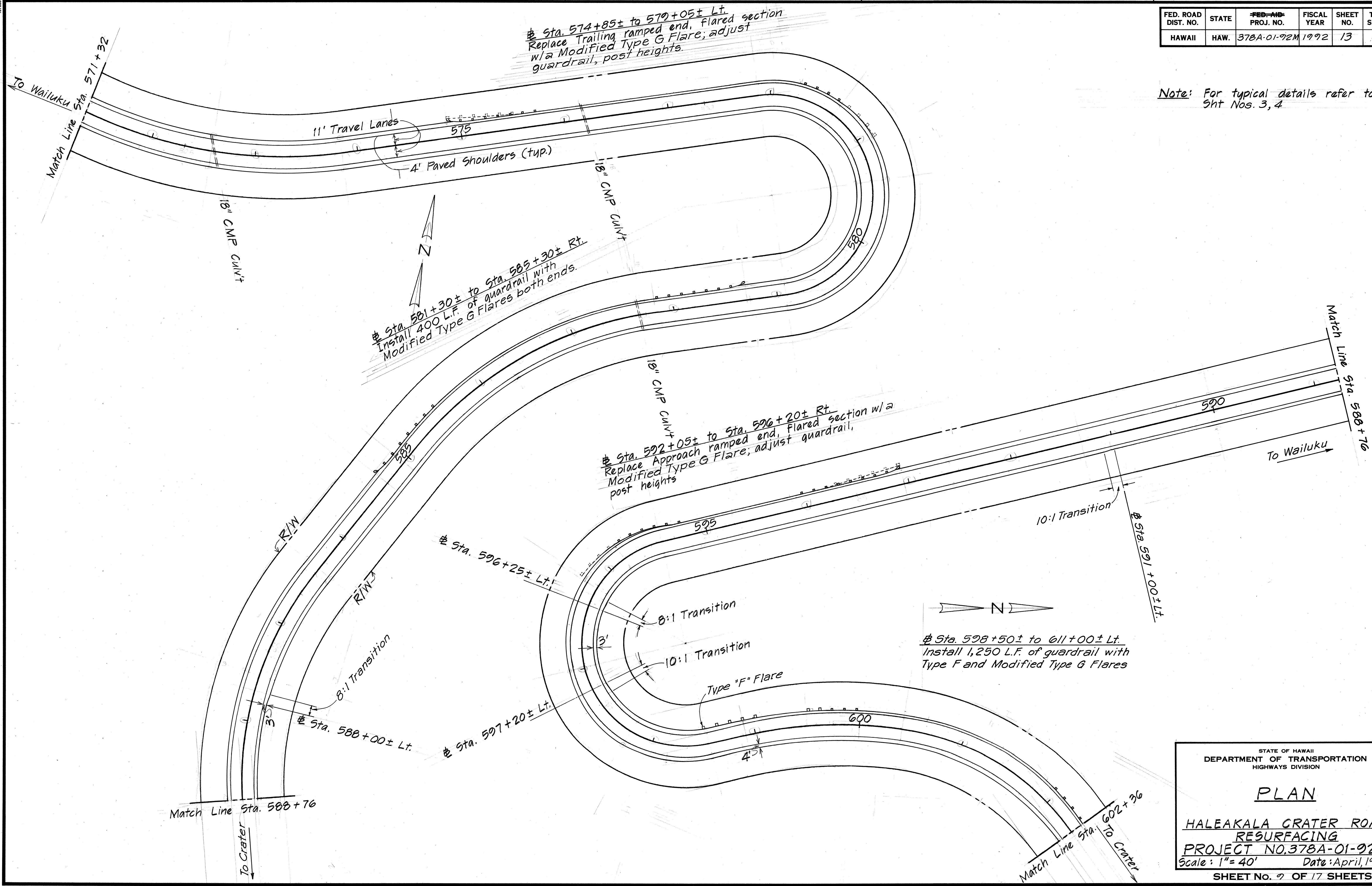
HALEAKALA CRATER ROAD
RESURFACING
PROJECT NO. 378A-01-92M
Scale: 1" = 40' Date: April, 1992

SHEET NO. 8 OF 17 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	378A-01-92M	1992	13	42

Note: For typical details refer to Sht Nos. 3, 4

SURVEY PLOTTED BY	DATE
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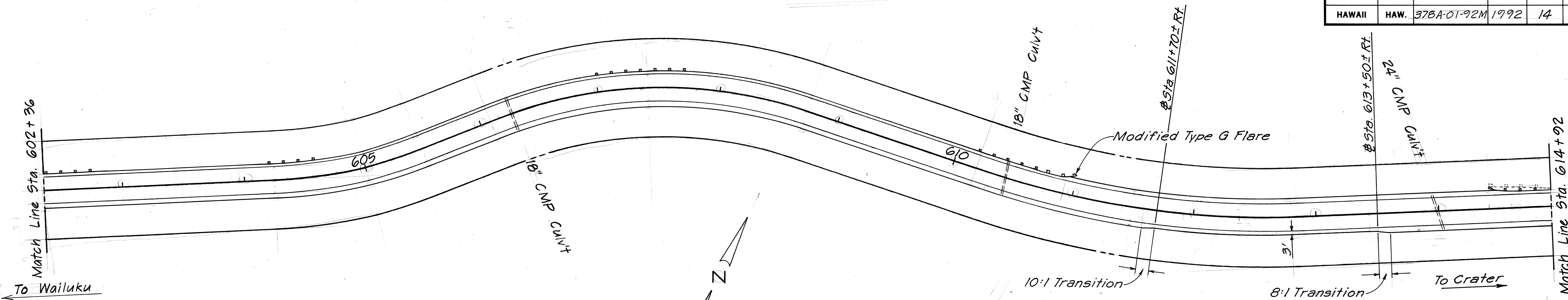


STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN

HALEAKALA CRATER ROAD
RESURFACING
PROJECT NO. 378A-01-92M
Scale: 1" = 40' Date: April, 1992
SHEET No. 9 OF 17 SHEETS

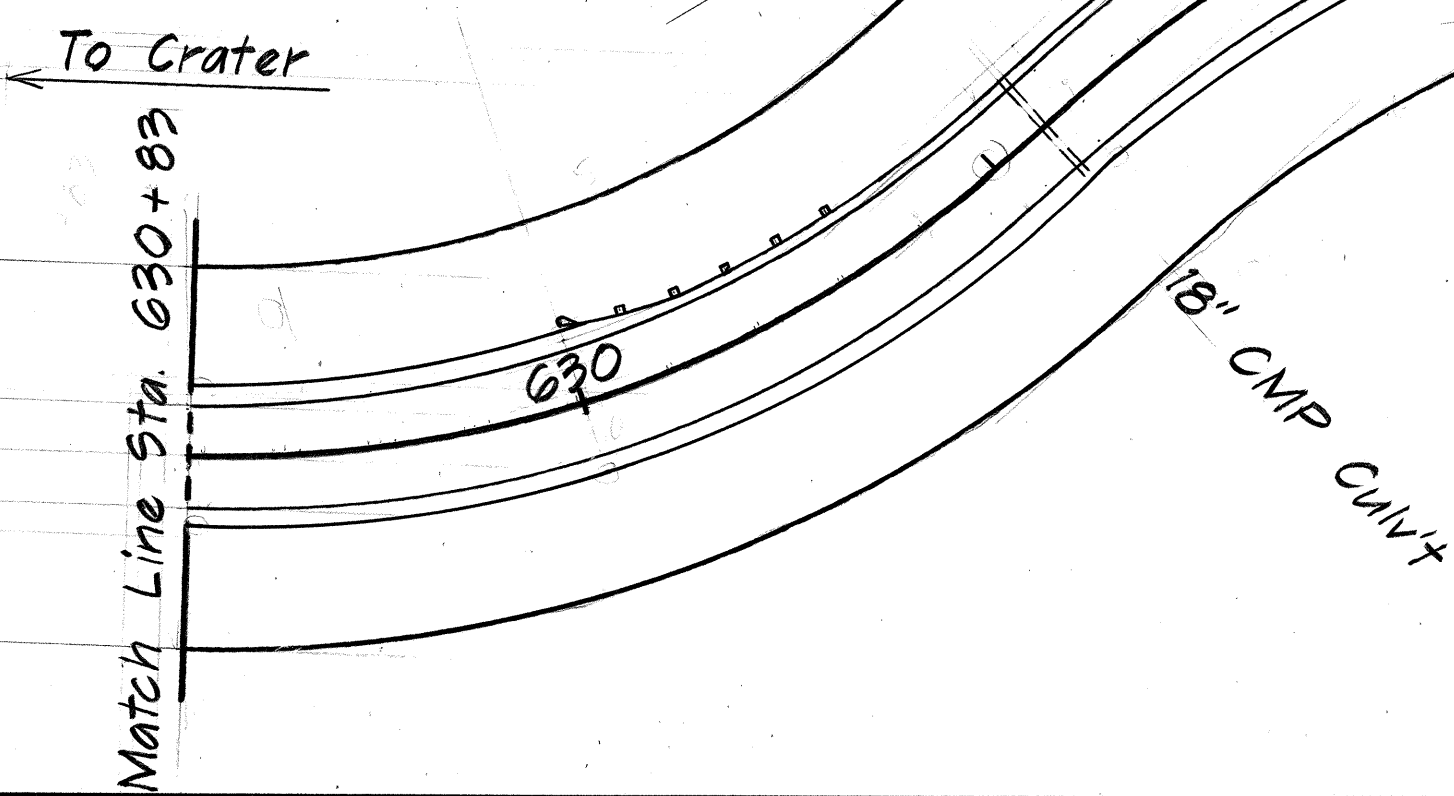
FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	378A-01-92M	1992	14	42



NOTE: Refer to Typical Detail Sht. Nos. 3, 4

Sta. 622+00± to 630+00± Rt.
Install 800 L.F. of Guardrail with
Modified Type G Flares Both Ends

Sta. 614+40± to 618+45± Lt.
Replace trailing ramped end flared
section w/ Modified Type G Flare; adjust
guardrail post heights



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HALEAKALA CRATER ROAD RESURFACING

PROJECT NO. 378A-01-92M

Scale: 1" = 40' Date: April, 1992

SHEET NO. 10 OF 17 SHEETS

ORIGINAL	SURVEY PLOTTED BY	DATE
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FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	378A-01-92M	1992	15	42

ORIGINAL	SURVEY PLOTTED BY	DATE
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Match Line Sta. 630+83

Sta. 633+10± to 637+95± Rt. Replace Approach ramped end, Flared section w/ a Modified Type G Flare, adjust guardrail, post heights

Sta. 642+35± to 646+25± Lt. Replace trailing ramped end, Flared section w/ a Modified Type G Flare, adjust guardrail, post heights

Modified Type "G" Flare

Sta. 649+00± to 655+70± Rt. Install 670 L.F. of guardrail with Type F and Modified Type G Flares

Sta. 659+00 to 661+50 Lt. Install 250 L.F. of guardrail with Modified Type G Flare, both ends

NOTE: Refer to Typical Detail Sht. Nos. 3, 4

Type "F" Flare

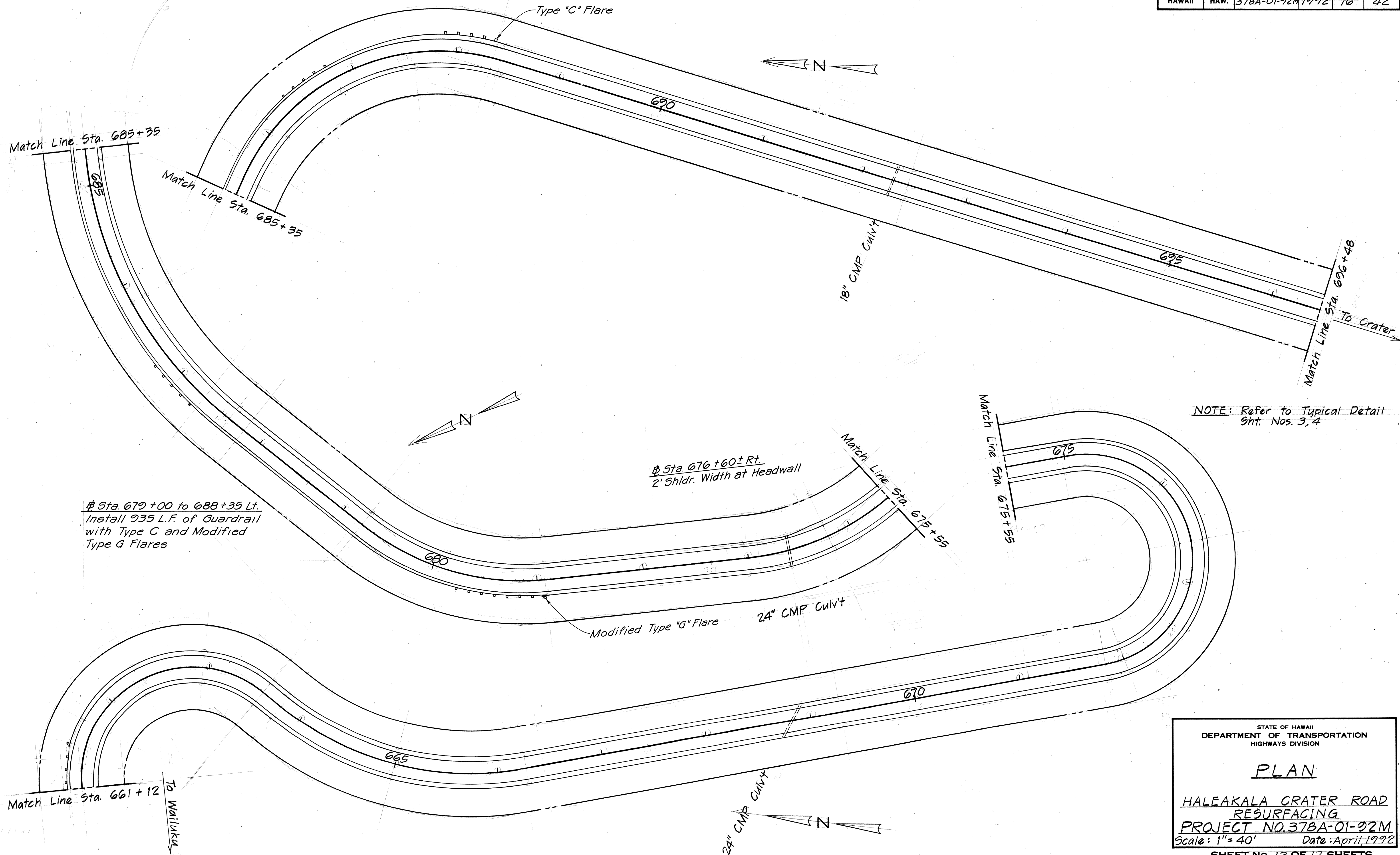
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN

HALEAKALA CRATER ROAD
RESURFACING
PROJECT NO. 378A-01-92M
Scale: 1"=40' Date: April, 1992

SHEET No. 11 OF 17 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	378A-01-92M	1992	16	42



NOTE: Refer to Typical Detail Sht. Nos. 3, 4

SURVEY PLOTTED BY	DATE
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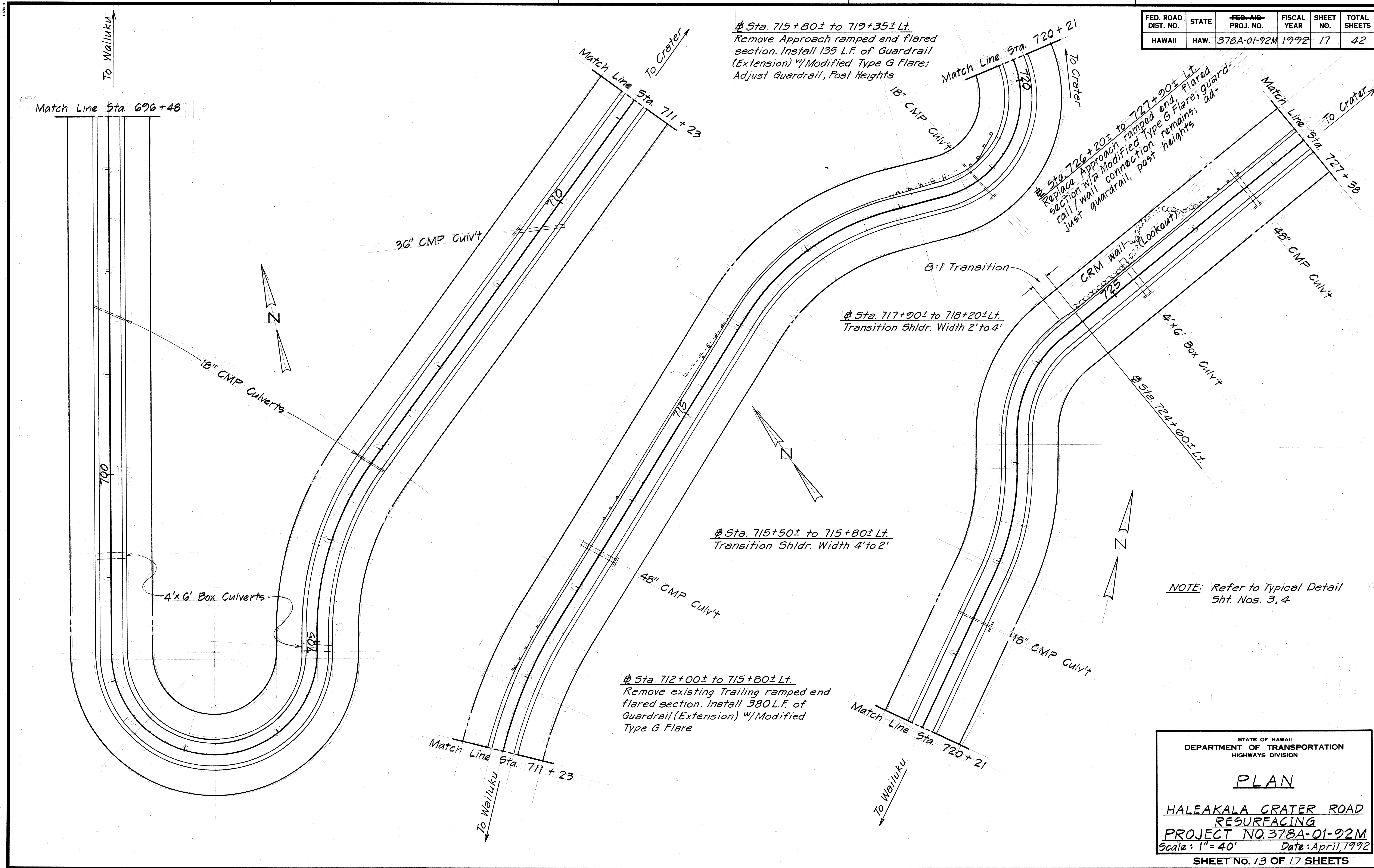
STATE OF HAWAII
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HIGHWAYS DIVISION

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HALEAKALA CRATER ROAD
RESURFACING
PROJECT NO. 378A-01-92M
Scale: 1" = 40' Date: April, 1992
SHEET No. 12 OF 17 SHEETS

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	378A-01-92M	1992	17	42

SURVEY PLOTTED BY	DATE
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QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
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NOTE: Refer to Typical Detail Sht. Nos. 3, 4

STATE OF HAWAII
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HIGHWAYS DIVISION

PLAN

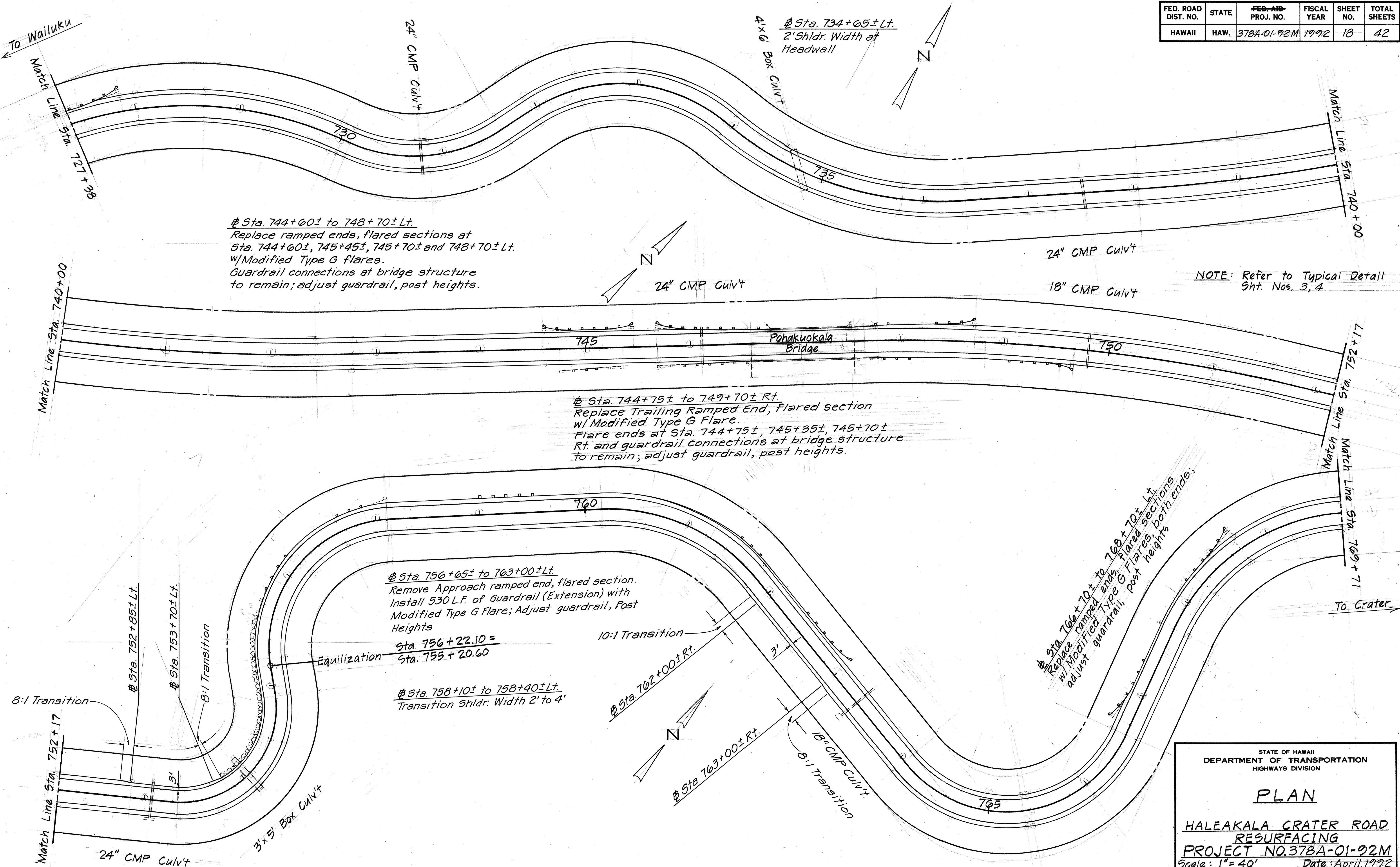
**HALEAKALA CRATER ROAD
RESURFACING**

PROJECT NO. 378A-01-92M

Scale: 1" = 40' Date: April, 1992

SHEET No. 13 OF 17 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	378A-01-92M	1992	18	42



SURVEY PLOTTED BY	DATE
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN

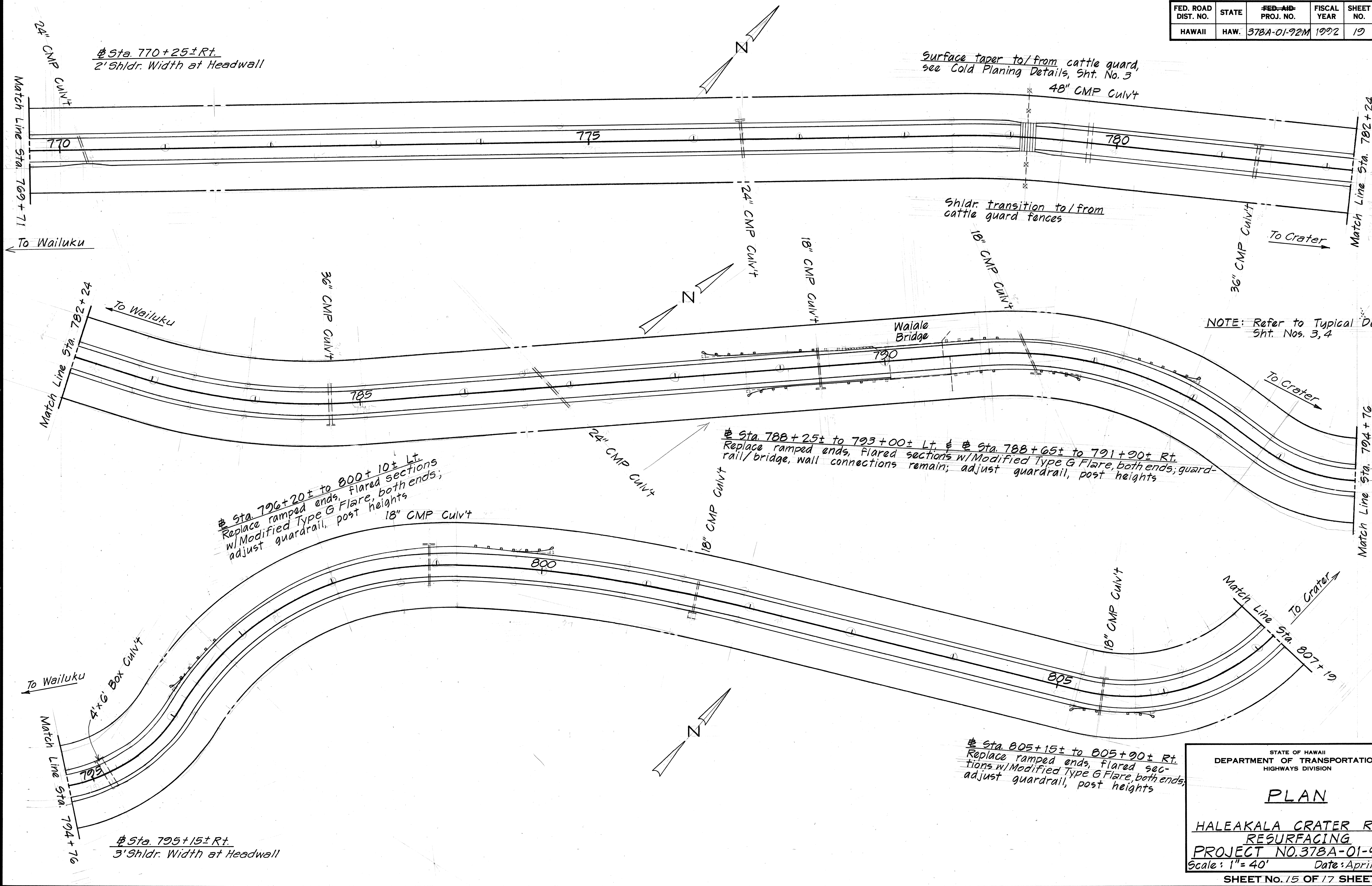
**HALEAKALA CRATER ROAD
RESURFACING**

PROJECT NO. 378A-01-92M

Scale: 1" = 40' Date: April, 1992

SHEET No. 14 OF 17 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	378A-01-92M	1992	19	42



SURVEY PLOTTED BY	DATE
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ORIGINAL PLAN	
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN

HALEAKALA CRATER ROAD RESURFACING

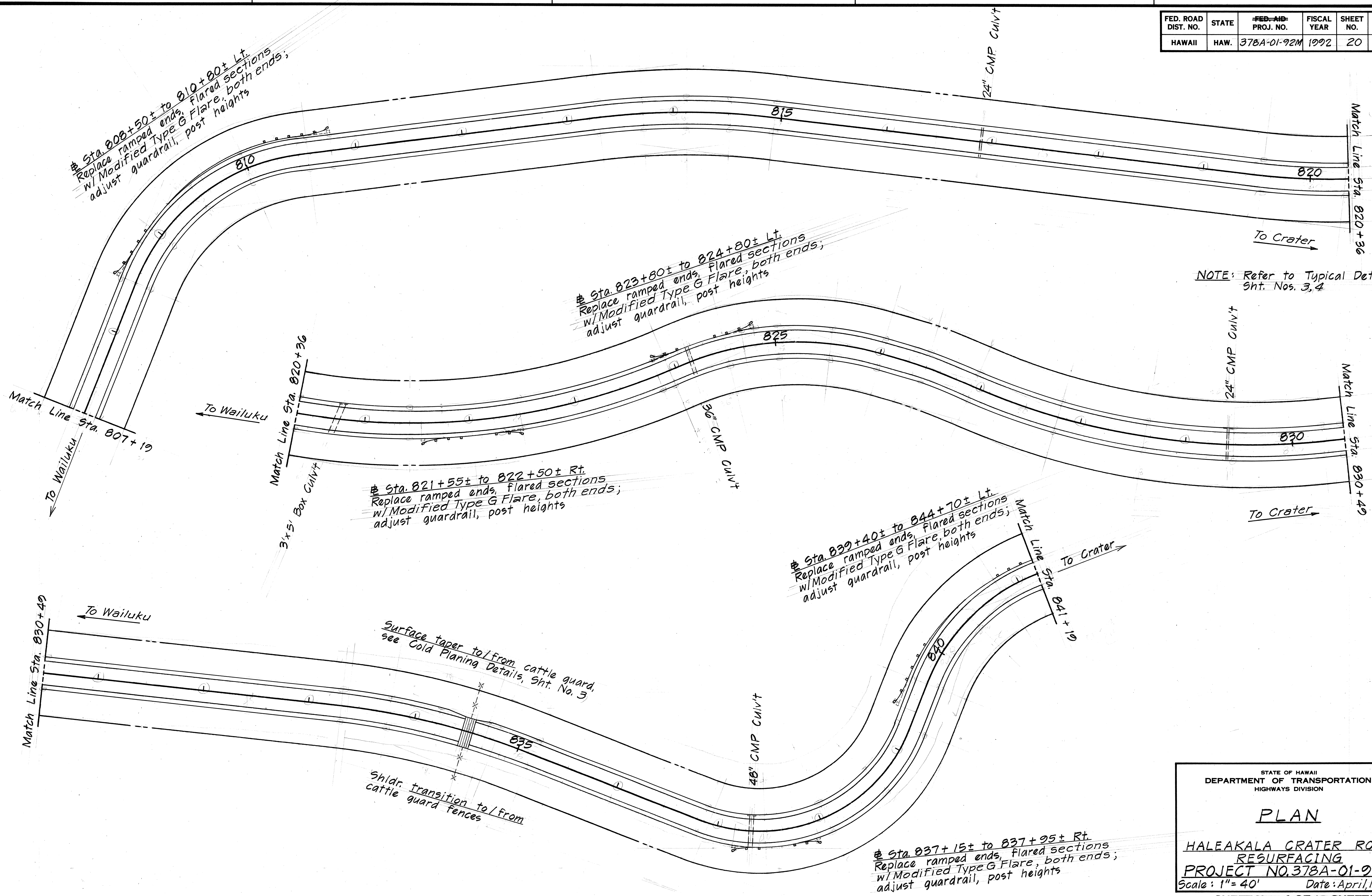
PROJECT NO. 378A-01-92M

Scale: 1" = 40' Date: April, 1992

SHEET NO. 15 OF 17 SHEETS

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	378A-01-92M	1992	20	42

SURVEY PLOTTED BY	DATE
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QUANTITIES BY	
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ORIGINAL PLAN	
NOTE BOOK	
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN

HALEAKALA CRATER ROAD RESURFACING

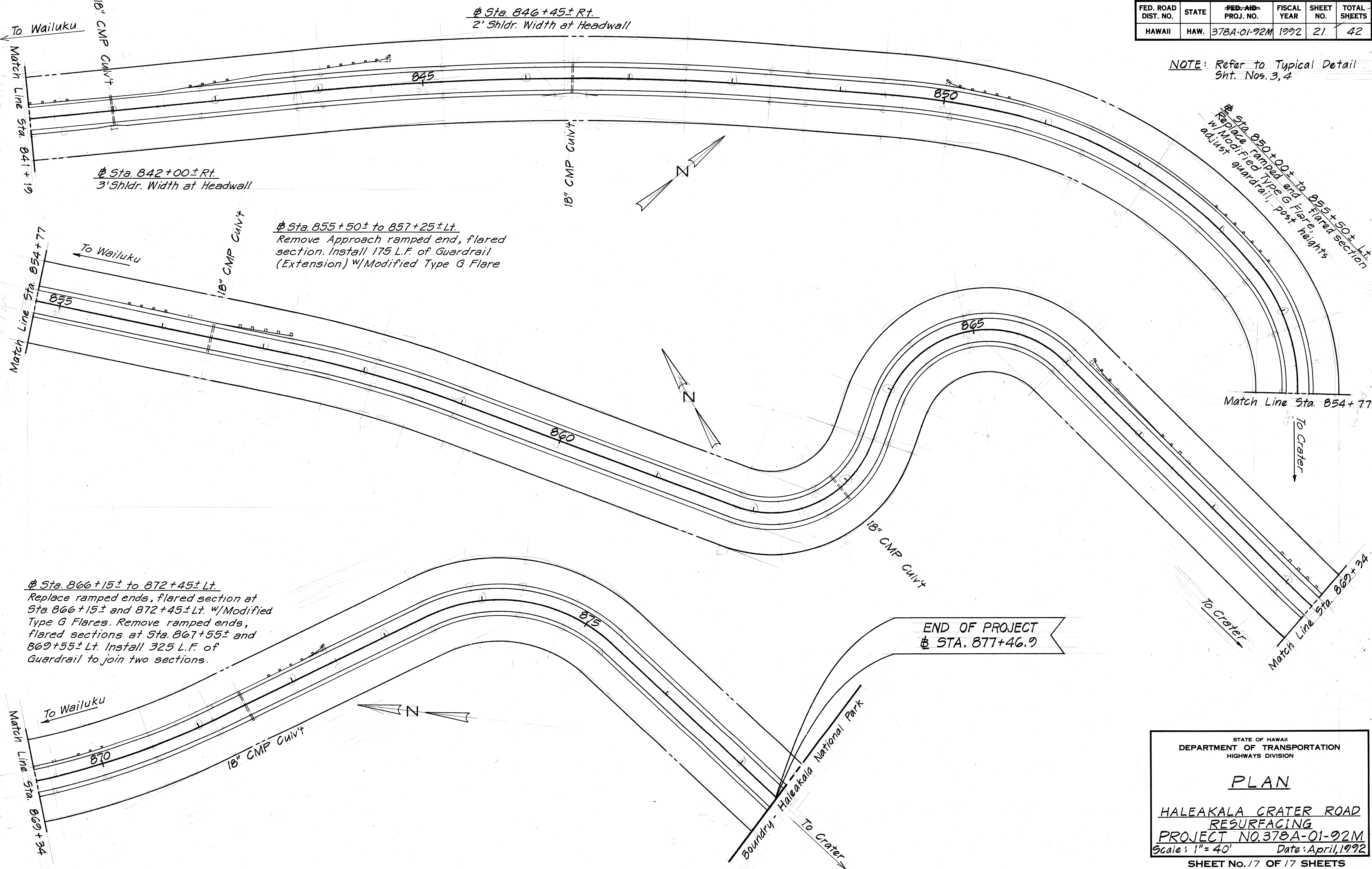
PROJECT NO. 378A-01-92M

Scale: 1"= 40' Date: April, 1992

SHEET No. 16 OF 17 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	378A-01-92M	1992	21	42

NOTE: Refer to Typical Detail Sht. Nos. 3, 4



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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HALEAKALA CRATER ROAD
RESURFACING
PROJECT NO. 378A-01-92M
Scale: 1" = 40' Date: April, 1992

SHEET No. 17 OF 17 SHEETS