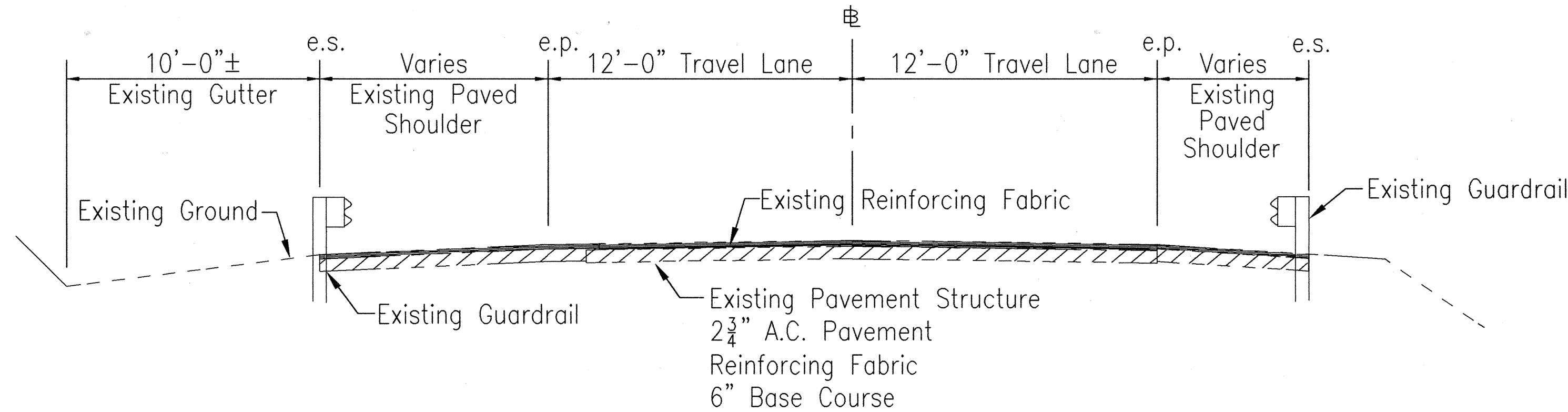
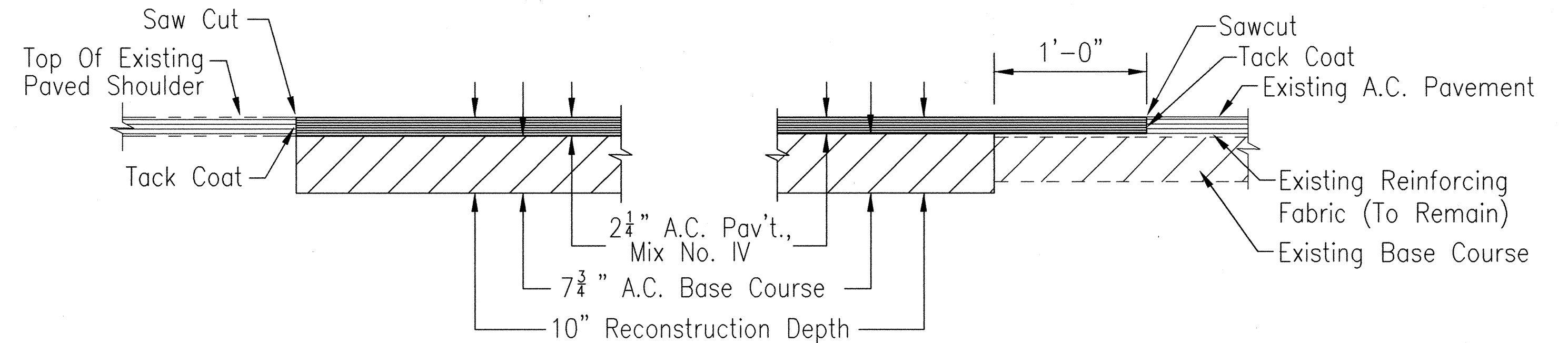


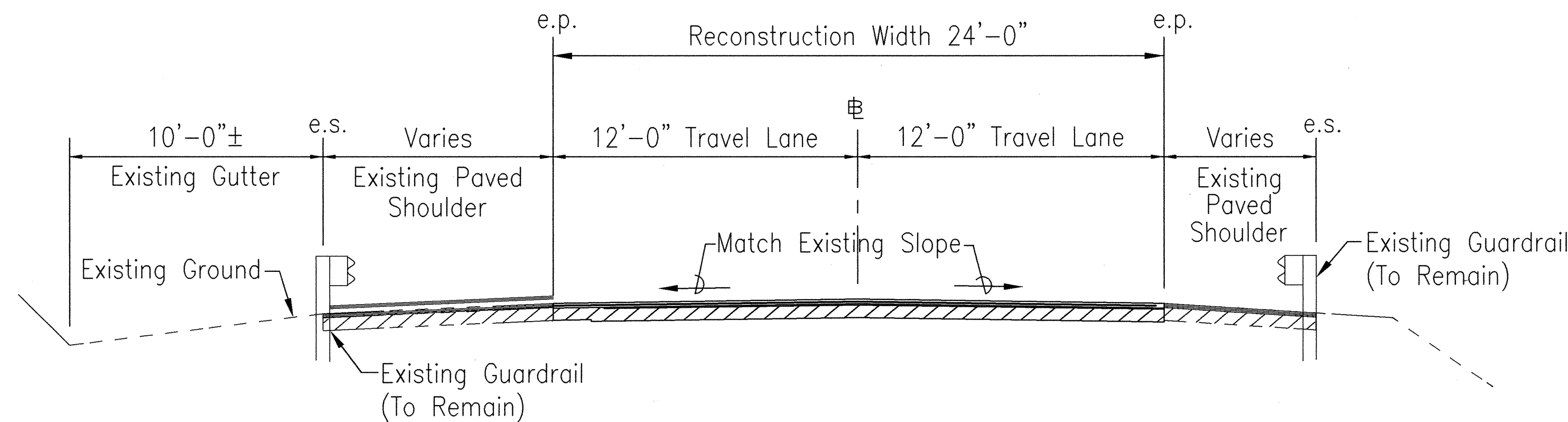
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	50B-01-00M	2002	7	40



EXISTING PAVEMENT SECTION
 Sta. 38 + 67.44 To Sta. 73 + 60.00 (F.A.P. 29(4))
 Scale : 1/4" = 1'-0"

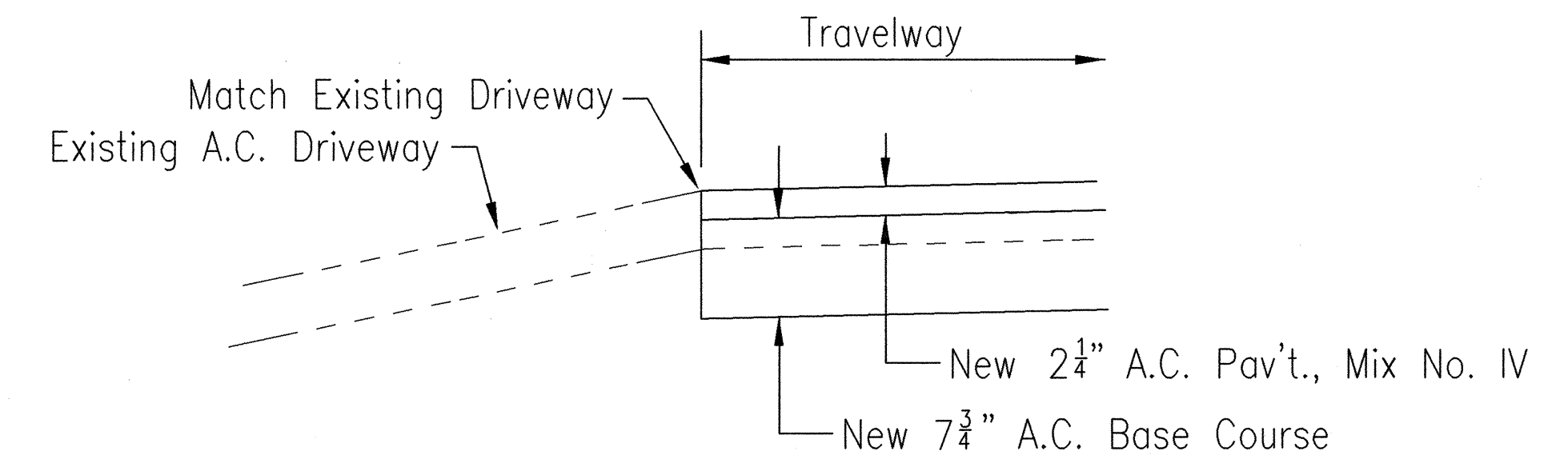


CROSS SECTION
LONGITUDINAL
TYPICAL A.C. PAVEMENT RECONSTRUCTION DETAIL
 Not To Scale

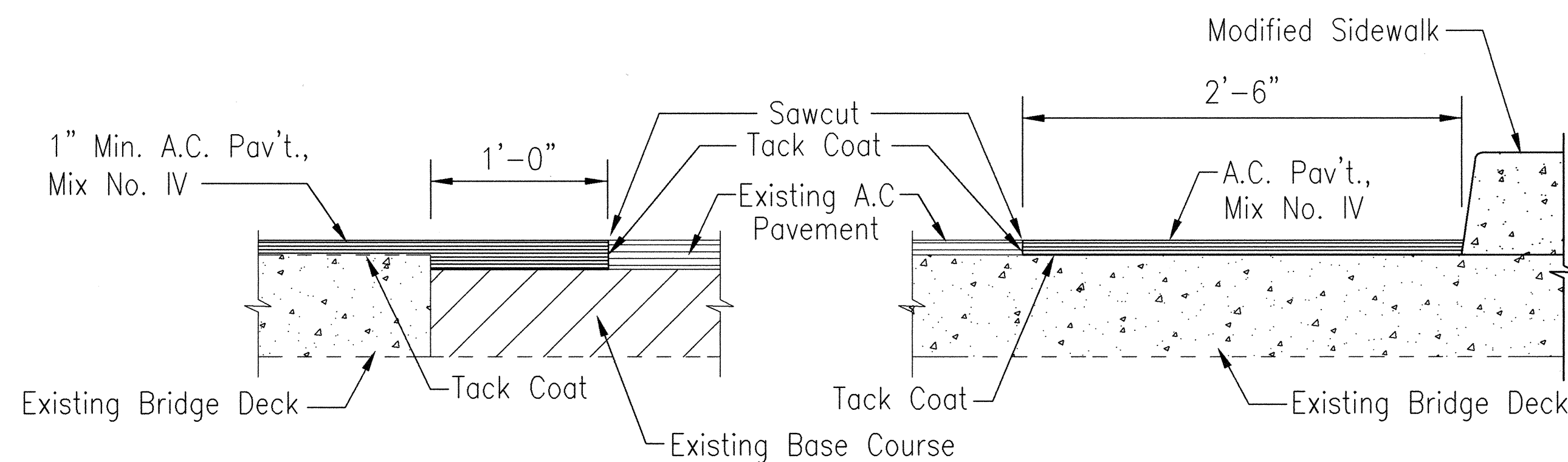


- Notes:**
1. For Reconstruction Thickness, See Typical A.C. Pavement Reconstruction Detail, This Sheet.
 2. The Roadway Shall Be Driveable At End Of Each Work Day.

TYPICAL RECONSTRUCTION SECTION
 Scale : 1/4" = 1'-0"



TYPICAL PAVEMENT TRANSITION AT DRIVEWAYS
 Not To Scale



LONGITUDINAL
SECTION
PAVEMENT TRANSITION AT BRIDGE
 Scale : 1 1/2" = 1'-0"

PM : GKC
 OPER : LSA/GKC*/PT
 REVISED : 04/11/01

DATE : 07/03/00
 PLOT SCALE : 1" = 1'
 FILE: 9930-C1.DWG
 JOB NO. : 9930

SURVEY PLOTTED BY	DATE
____	____
DRAWN BY	DATE
____	____
DESIGNED BY	DATE
____	____
CHECKED BY	DATE
____	____
ORIGINAL PLAN	NO.
____	____
NOTEBOOK	NO.
____	____

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 BY: *June J. Nakamura*
 DATE: 12-14-00

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

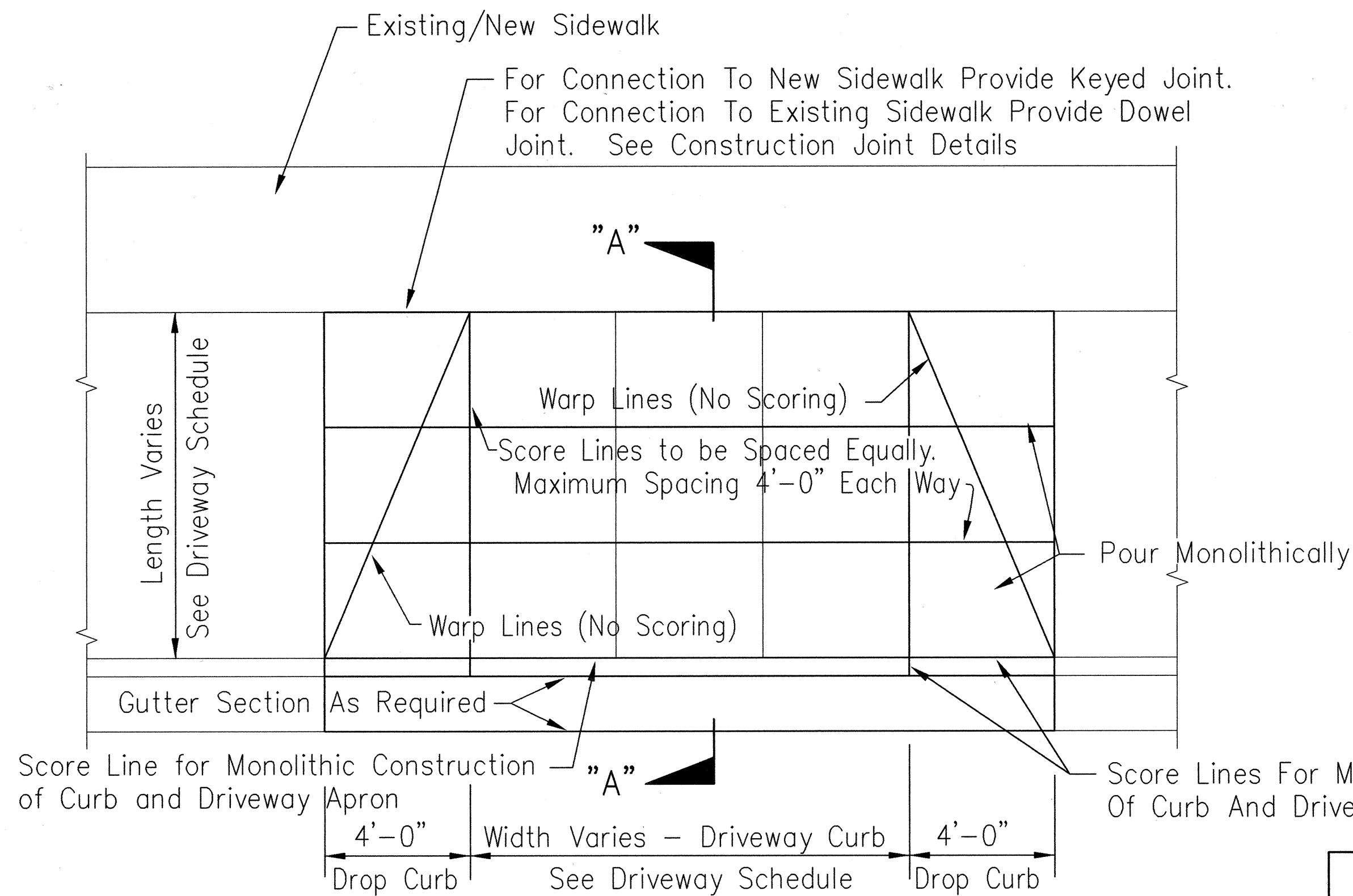
TYPICAL SECTIONS & DETAILS

KAUMUALII HIGHWAY RESURFACING
 Mahaikona Bridge To Waimea Canyon Drive
 Project No. 50B-01-00M

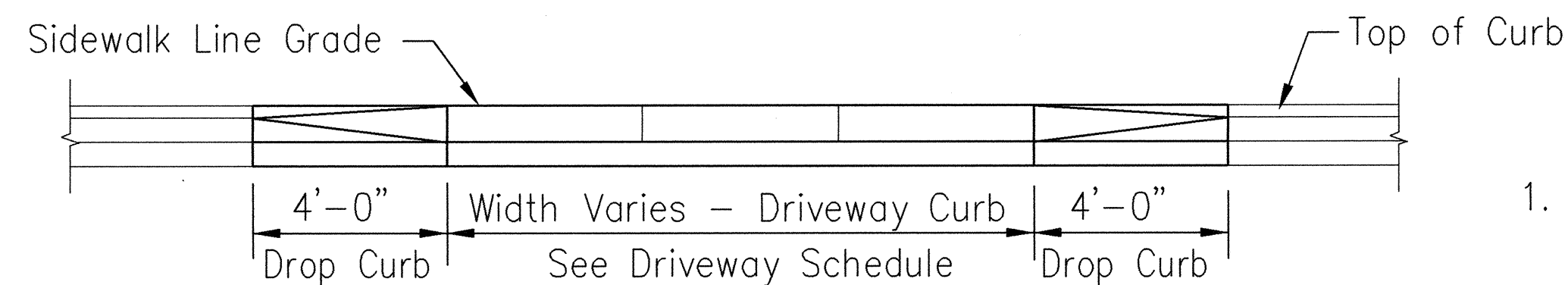
Scale: As Noted Date: 12/13/00

SHEET NO. C1 OF C23 SHEETS

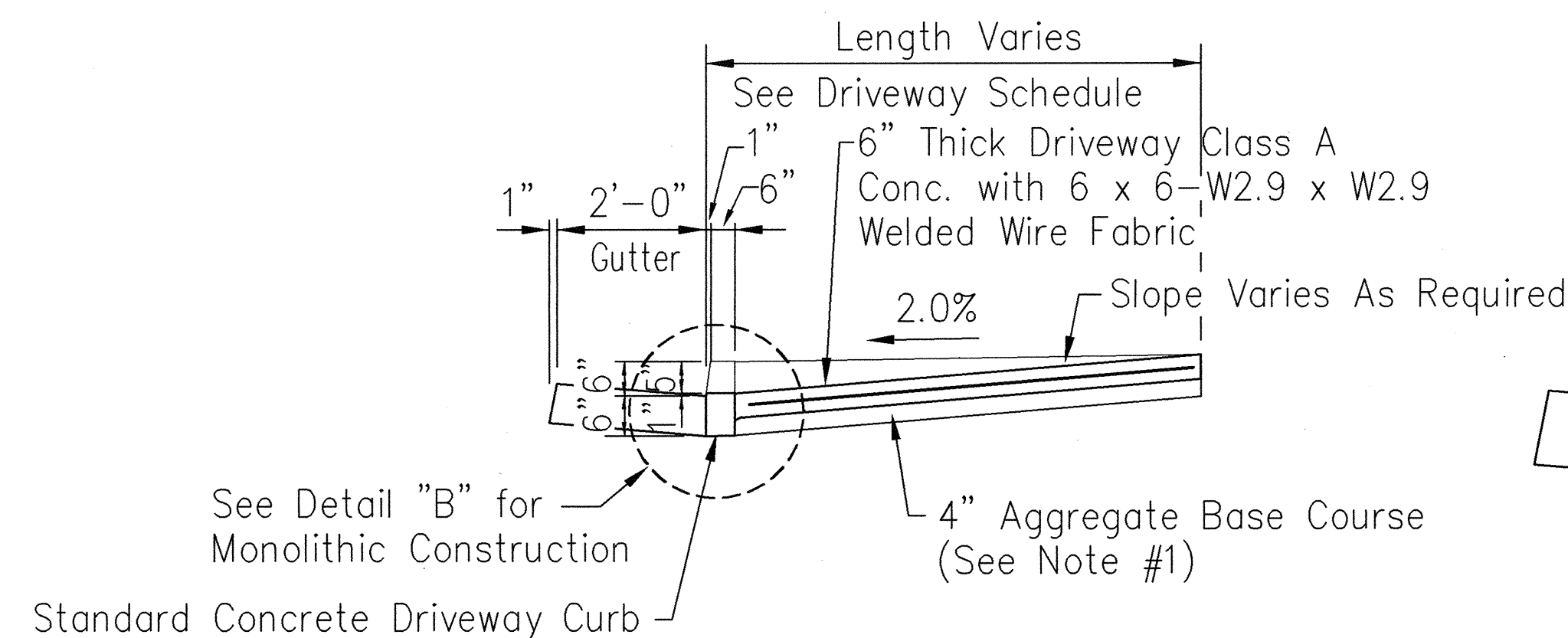
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	50B-01-00M	2002	8	40



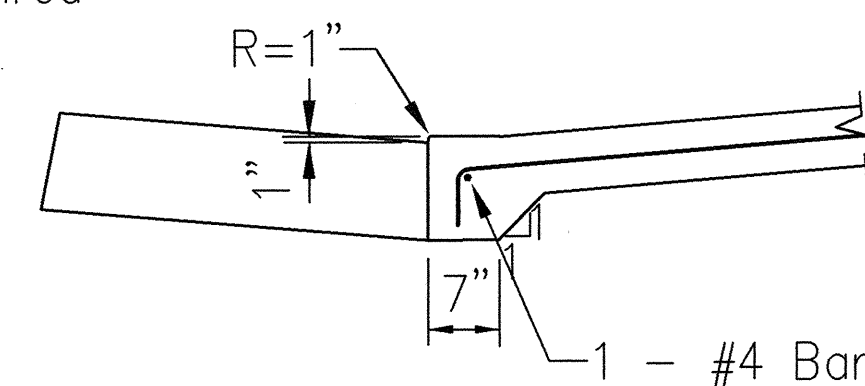
DRIVEWAY PLAN



DRIVEWAY ELEVATION



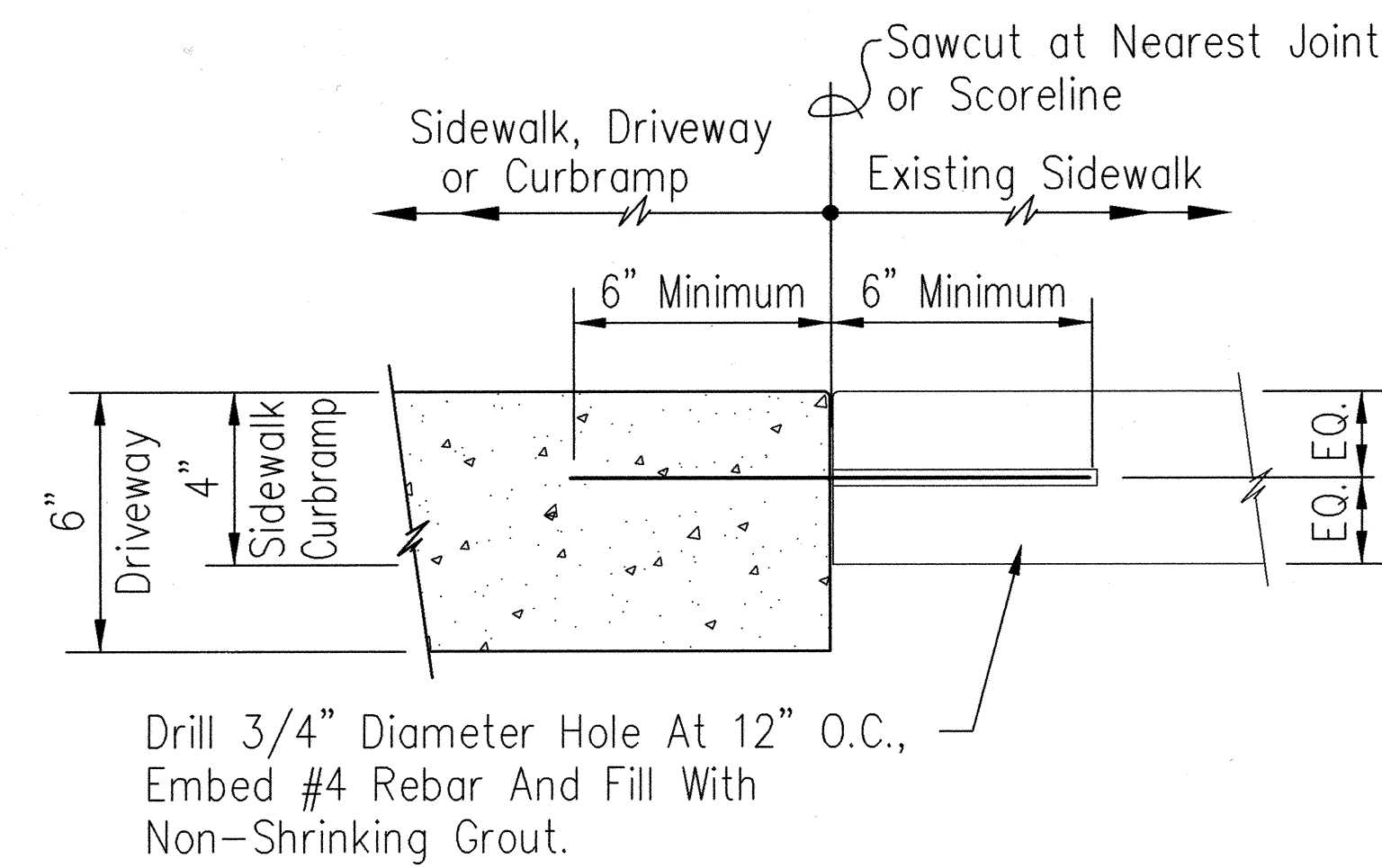
SECTION "A-A"



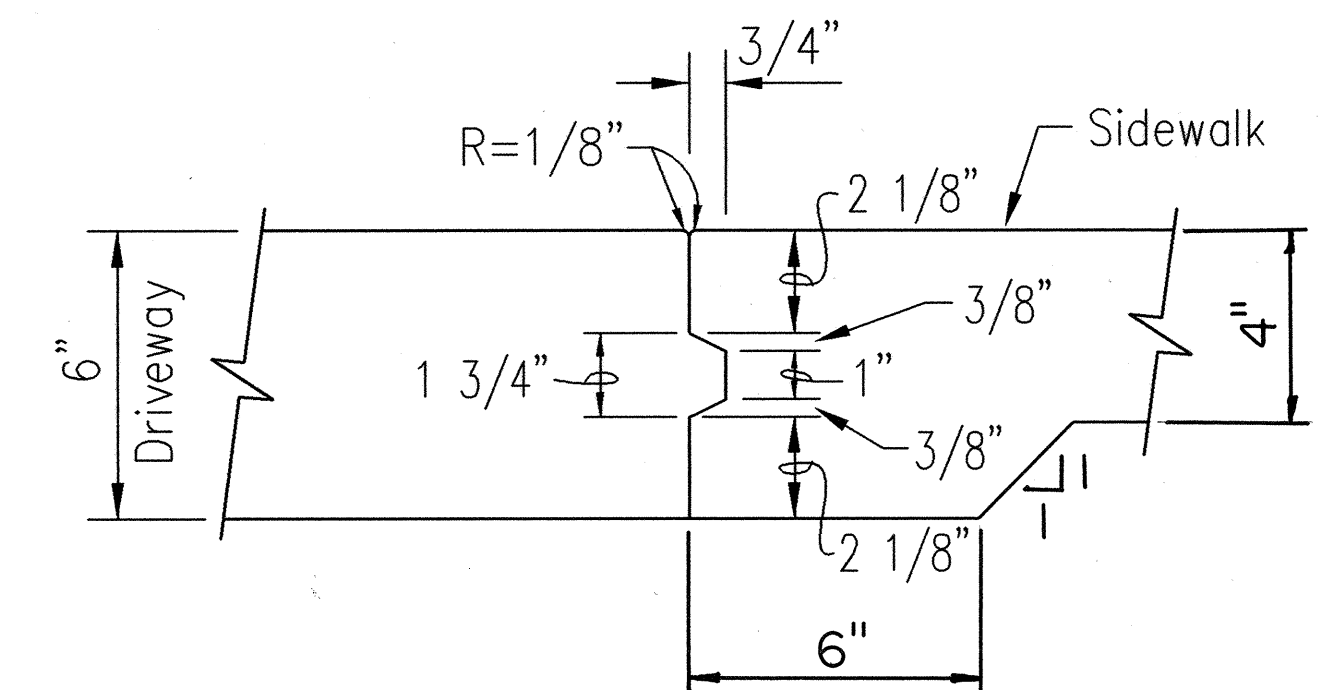
DETAIL "B"

REINFORCED CONCRETE DROP DRIVEWAY DETAIL

Not To Scale



Dowel Joint



Keyed Joint

CONSTRUCTION JOINT DETAIL FOR SIDEWALKS AND DRIVEWAYS

Not to Scale

DRIVEWAY SCHEDULE

Location	Length	Width
Sta. 189+00± Rt.	11'-0"	13'-6"
Sta. 192+00± Rt.	11'-0"	18'-0"
Sta. 192+50± Rt.	11'-0"	12'-6"
Sta. 1+50± Rt.	10'-0"	12'-6"

NOTES

1. Thickness of Aggregate Base Course beneath Concrete Pavement may be revised if deemed necessary by the Engineer.
2. P.C.C. Gutters shall be Longitudinally broom finished.
3. The top of all types of Concrete Curbs, including Driveway Curbs shall be longitudinally broom finished.

PM : GKC
OPER : LSA/GKC*
REVISED : 04/12/01

DATE : 07/03/00
PLOT SCALE : 1" = 1'
FILE: 9930-C2.DWG
JOB NO. : 9930

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

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BY: *June J. Nakamura*

DATE: 12-14-00

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

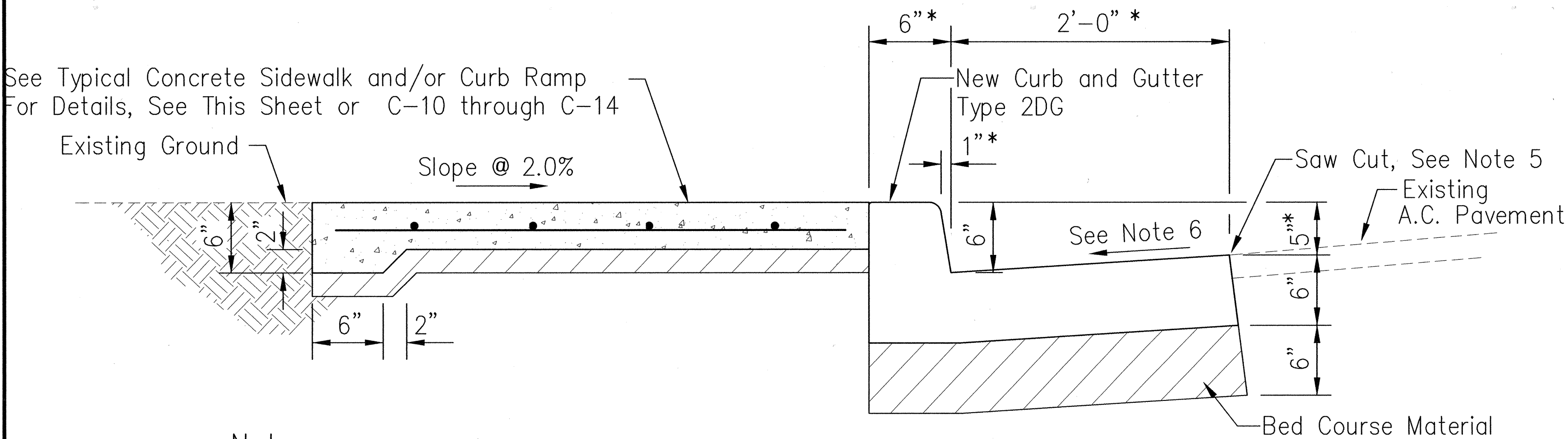
DRIVEWAY DETAILS

KAUMUALII HIGHWAY RESURFACING
Mahaikona Bridge To Waimea Canyon Drive
Project No. 50B-01-00M

Scale: As Noted Date: 12/13/00

SHEET NO. C2 OF C23 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	50B-01-00M	2002	9	40

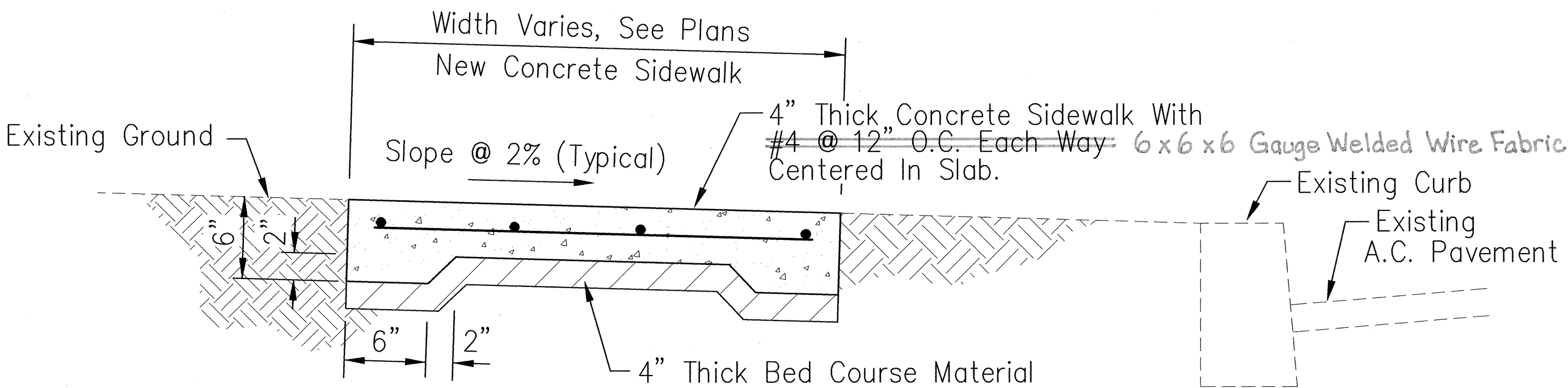


Note

1. When replacing existing curb and gutter, match width, height and batter of adjacent curb and gutter.
2. See Standard Plan D4 for details not shown.
3. Removal of existing curb and gutter and construction of new curb and gutter with bed course material shall be considered incidental to sidewalk and curb ramp construction.
4. Existing vertical curbs at new curb ramps shall be removed and replaced with curb and gutter. Saw cut at lip of new gutter.
5. Provide a smooth gutter lip. If A.C. pavement is damaged, saw cut a smooth, straight line outside the limits of damage and restore A.C. Pavement.
6. 5.0% Maximum slope at curb ramps.

TYPICAL CONCRETE CURB & GUTTER DETAIL

Not To Scale



Note

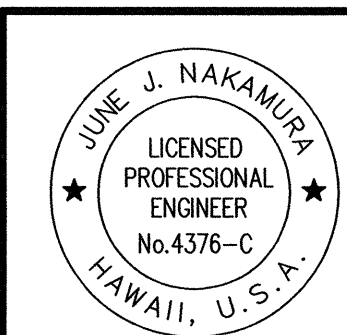
1. Removal and disposal of existing sidewalk shall not be paid for separately but shall be considered incidental to Item No. 608.1100, CONCRETE SIDEWALK
2. For connection to existing sidewalk see Construction Joint Detail on Sheet C-2.

TYPICAL CONCRETE SIDEWALK SECTION

Not To Scale

SIDEWALK NOTES

1. All sidewalks shall provide a minimum clear of 3'-0" (excluding curb) for pedestrian circulation. If this cannot be met, a minimum 32-inch clear width is allowed for a distance of 2'-0".
2. Narrow sidewalks (3'-0" min. width, excluding curb) may prohibit the installation of any sign posts, utility poles, fire hydrants, traffic signal standards, light poles, etc. in the sidewalk.
3. Passing spaces along new sidewalks with 5' clear width or less shall be provided at maximum 200' intervals as required by ADA guidelines. The passing area shall be a minimum 5' wide by 5' long as feasible.
4. For new construction, the minimum sidewalk width shall be 6'-0" (excluding curb). The cross slope shall not exceed 2%.
5. If possible, install utility poles, fire hydrants, light poles, sign posts, pullboxes, etc. off of sidewalk but within the right-of-way.
6. Objects protruding from utility poles and walls adjacent to the sidewalks (i.e. wall mounted fire hydrants, telephones, meters on poles, etc.) shall be mounted to meet the current American with Disabilities Act Accessibility Guidelines (ADAAG) and will be subject to Engineer's approval.



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DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIDEWALK, CURB
AND GUTTER DETAILS

KAUMUALII HIGHWAY RESURFACING

Mahaikona Bridge To Waimea Canyon Drive

Project No. 50B-01-00M

Scale: As Noted Date: 12/13/00

SHEET NO. C3 OF C23 SHEETS

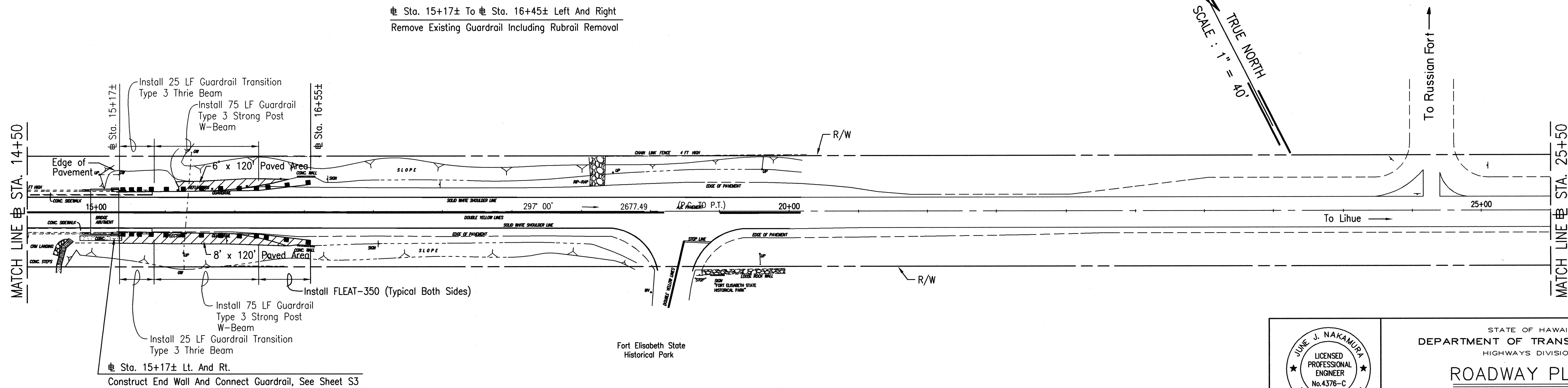
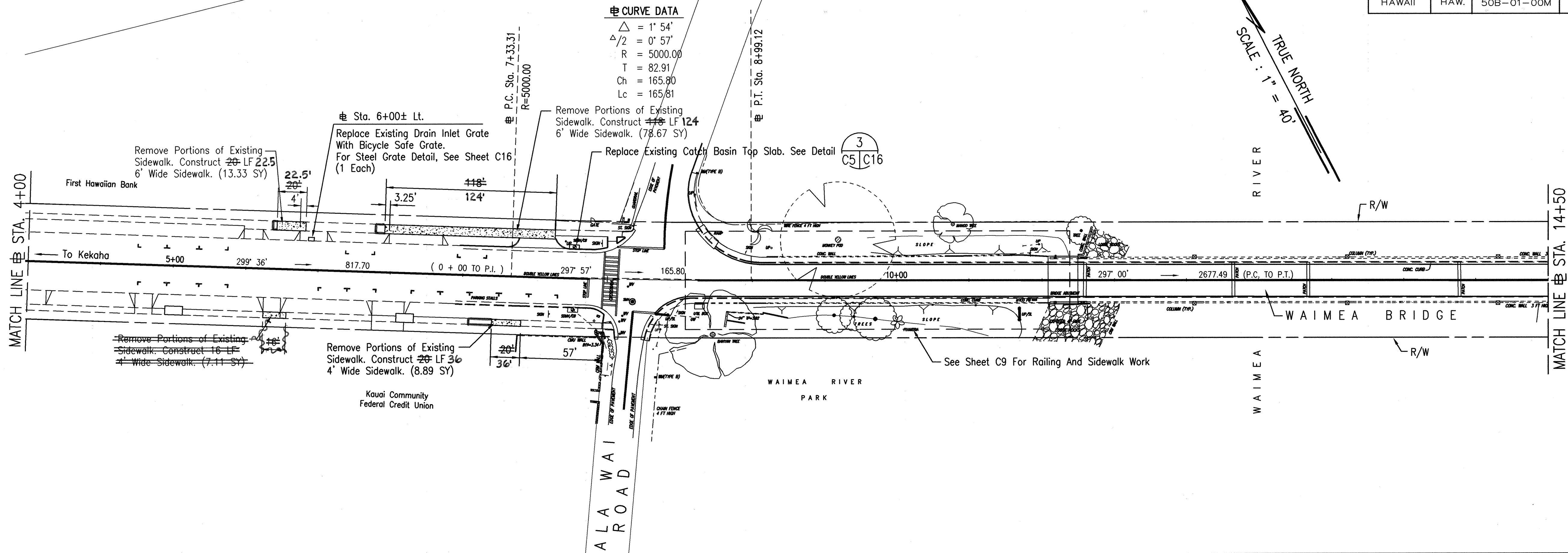
PM : GKC
OPER : LSA*/GKC
REVISED : 12/14/00

DATE : 07/03/00
PLOT SCALE : 1" = 1'
FILE : 9930-C3.DWG
JOB NO. : 9930

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

"AS-BUILT"

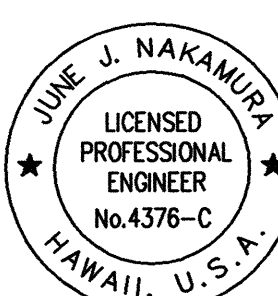
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	50B-01-00M	2002	11	40



PM : GKC
OPER : LSA
REVISED : 04/09/01

DATE : 06/27/00
PLOT SCALE : 1" = 1
FILE : 9930-C4-C8.DWG
JOB NO. : 9930

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



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BY: *June J. Nakamura*

DATE: 12/12/00

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

KAUMUALII HIGHWAY RESURFACING
Mahaikona Bridge To Waimea Canyon Drive
Project No. 50B-01-00M

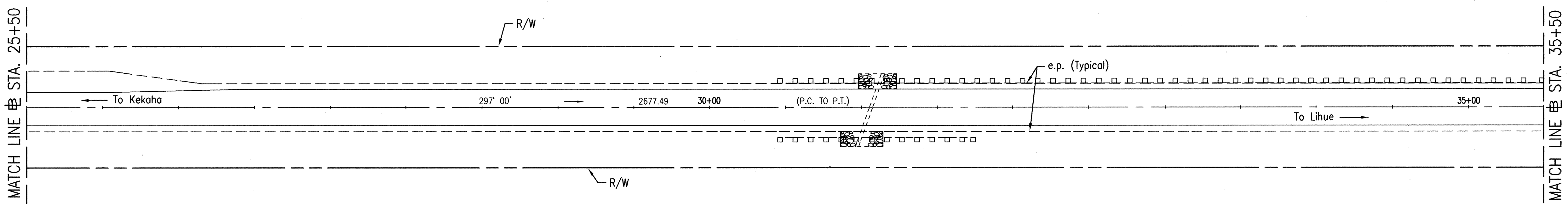
Scale: As Noted Date: 12/13/00

SHEET NO. C5 OF C23 SHEETS

"AS-BUILT"

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	50B-01-00M	2002	12	40

TRUE NORTH
SCALE : 1" = 40'

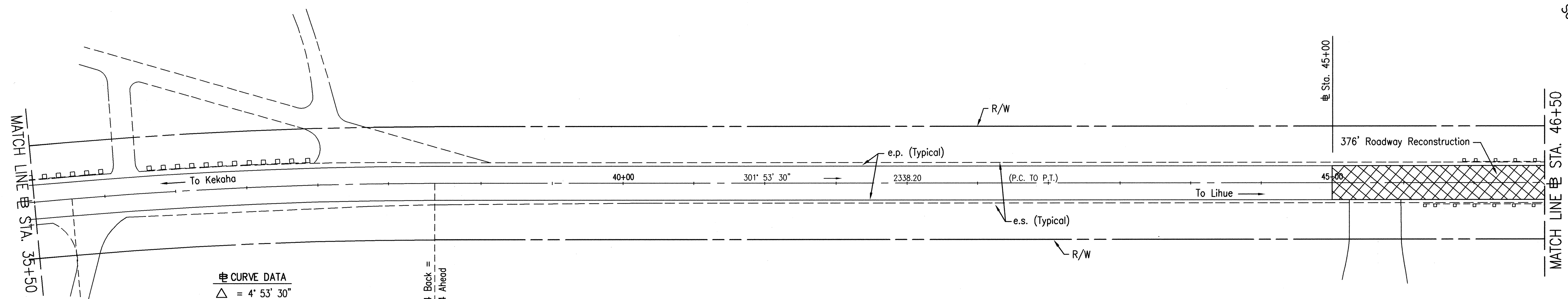


PM : GKC
OPER : LSA
REVISED : 04/09/01

DATE : 06/27/00
PLOT SCALE : 1" = 1'
FILE : 9930-C4-C8.DWG
JOB NO. : 9930

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

ORIGINAL PLAN	No.
NOTEBOOK	



TRUE NORTH
SCALE : 1" = 40'

CURVE DATA	
Δ	= 4° 53' 30"
$\Delta/2$	= 2° 26' 45"
R	= 3000.00
T	= 128.14
Ch	= 256.05
Lc	= 256.13

EQ
P.T. Sta. 38+32.74 Back =
P.T. Sta. 38+67.44 Ahead

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BY: *June J. Nakamura*

DATE: 12-14-00

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

KAUMUALII HIGHWAY RESURFACING

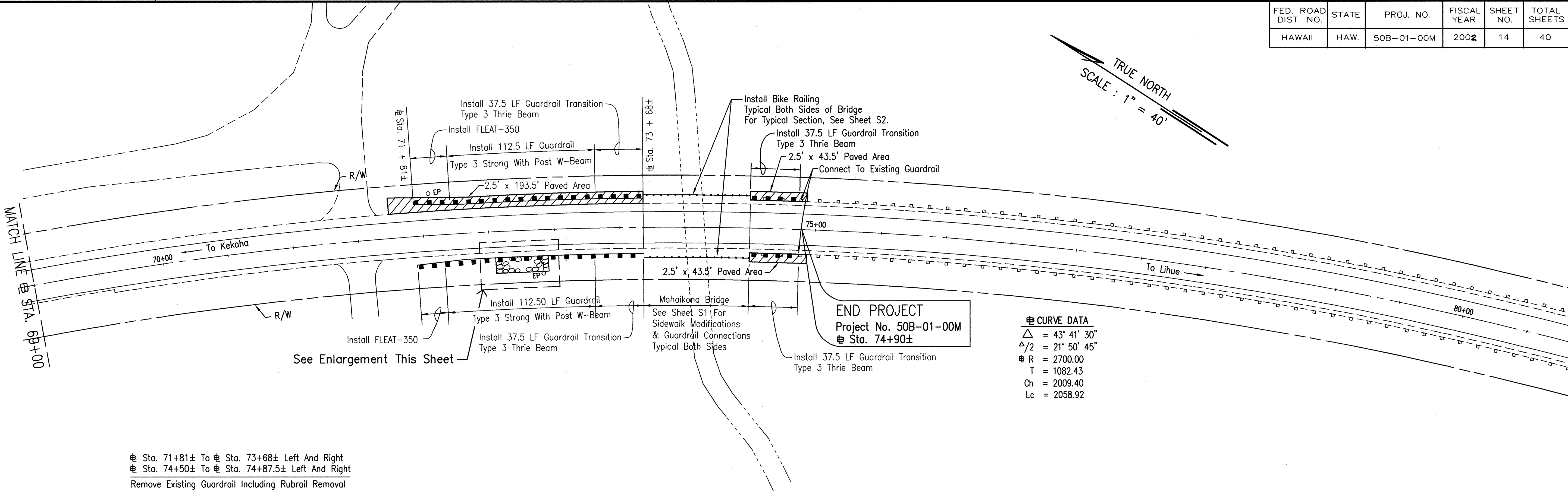
Mahaikona Bridge To Waimea Canyon Drive

Project No. 50B-01-00M

Scale: As Noted Date: 12/13/00

SHEET NO. C6 OF C23 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	50B-01-00M	2002	14	40

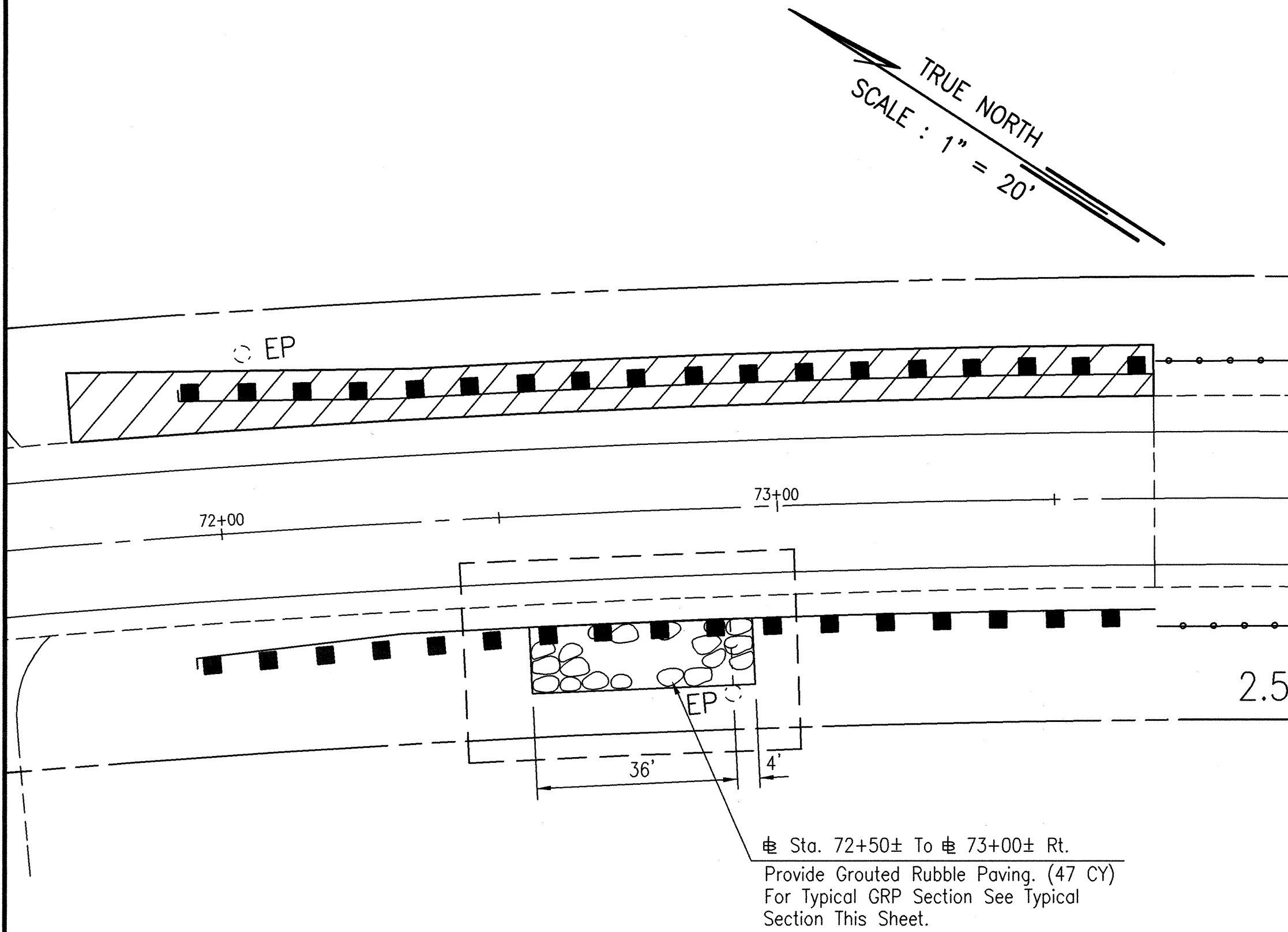


Sta. 71+81± To Sta. 73+68± Left And Right
 Sta. 74+50± To Sta. 74+87.5± Left And Right
 Remove Existing Guardrail Including Rubrail Removal

PM : GKC
 OPER : LSA
 REVISED : 04/09/01

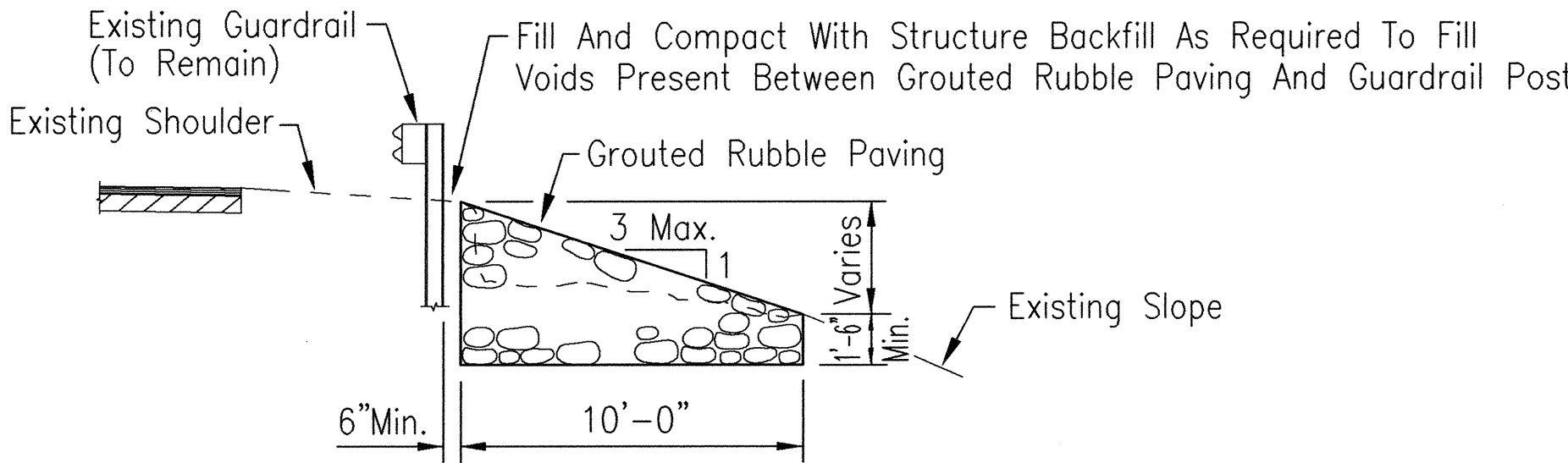
DATE : 06/27/00
 PLOT SCALE : 1" = 1
 FILE: 9930-C4-C8.DWG
 JOB NO. : 9930

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



ENLARGEMENT

Scale : 1" = 20'

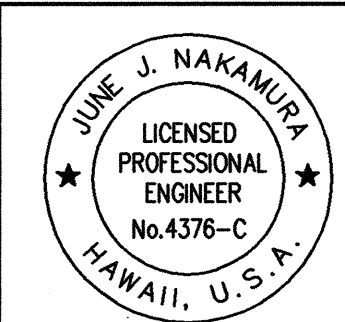


ROUTED RUBBLE PAVING NOTES

- Stone shall be clean, durable, "Blue Rock" basalt, free from seams or other imperfections. Minimum size shall be 12-inches in least dimensions for face stones.
- The face stones shall be well bedded without using spalls. Space between stones shall be filled with mortar. Voids in any part of the face shall not be permitted.
- Excavation and backfill shall be incidental to various contract items.

TYPICAL SECTION

Scale : 1/4" = 1'-0"



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 ME OR UNDER MY SUPERVISION
 BY: *June J. Nakamura*
 DATE: 12-16-00

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
ROADWAY PLANS	
KAUMUALII HIGHWAY RESURFACING	
Mahaikona Bridge To Waimea Canyon Drive	
Project No. 50B-01-00M	
Scale: As Noted	Date: 12/13/00
SHEET NO. C8 OF C23 SHEETS	