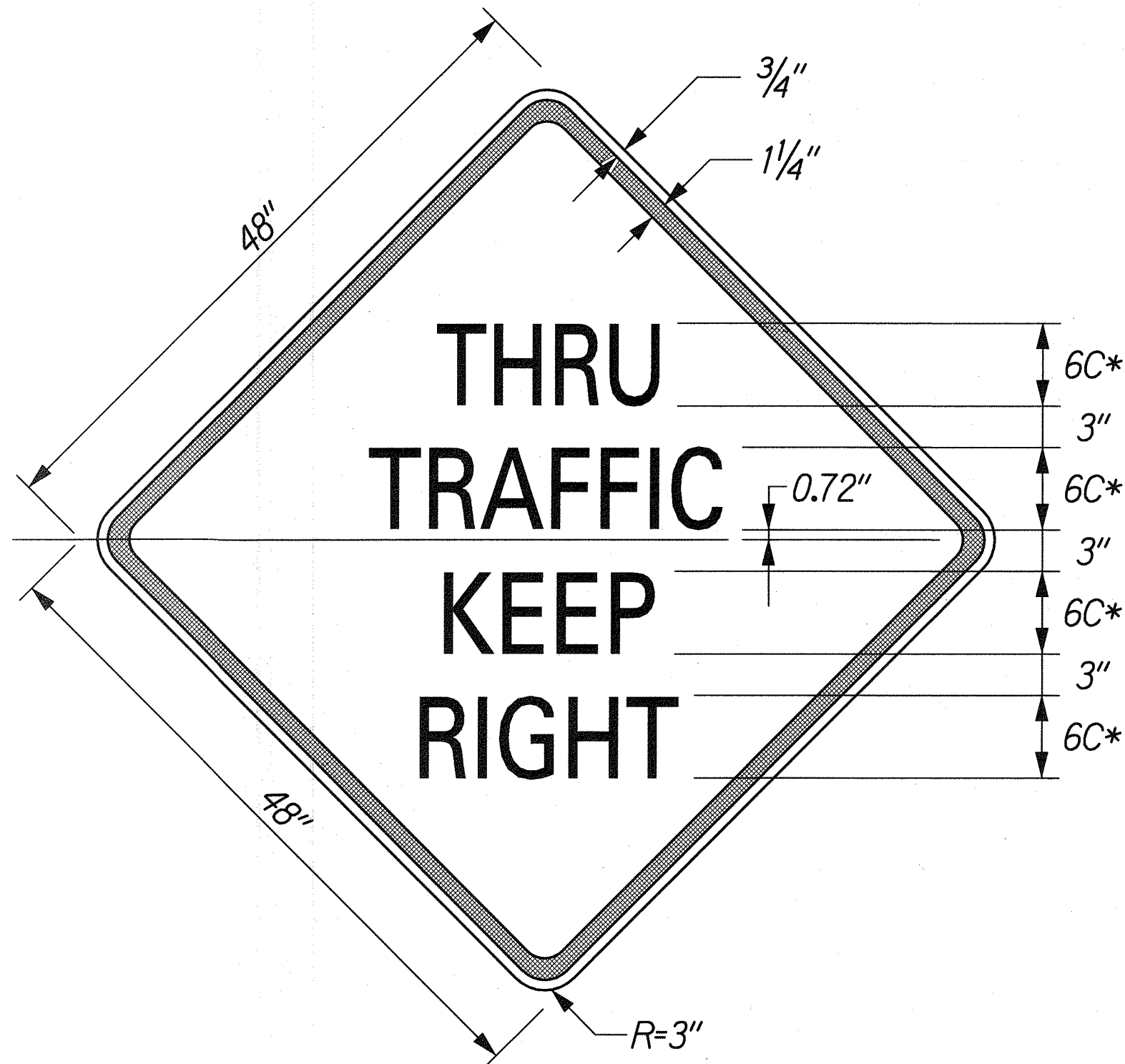
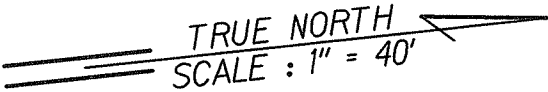
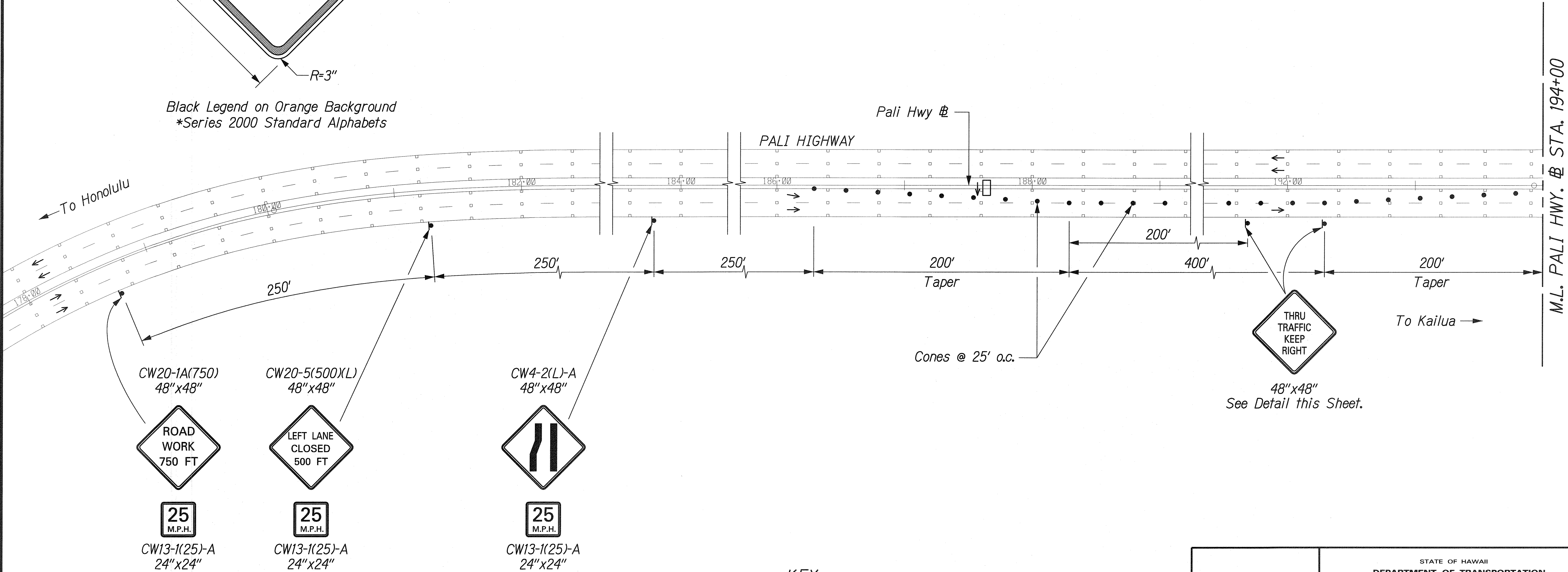


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	61C-01-04M	2004	83	91

02-04



Black Legend on Orange Background
*Series 2000 Standard Alphabets



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

J:\CASTLE JUNCTION\CONTRA-FLOW\CFSS-00.dgn

KEY:

- /↔ Lane Direction (Illustrative Purpose Only)
- Cones
- ⇨ Arrow Board

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OR UNDER MY SUPERVISION.

Ram Urashy

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CONTRA-FLOW
OPERATIONAL LAYOUT PLAN
KALANIANA'OLE HIGHWAY

EMERGENCY LANDSLIDE REPAIRS AT CASTLE JUNCTION

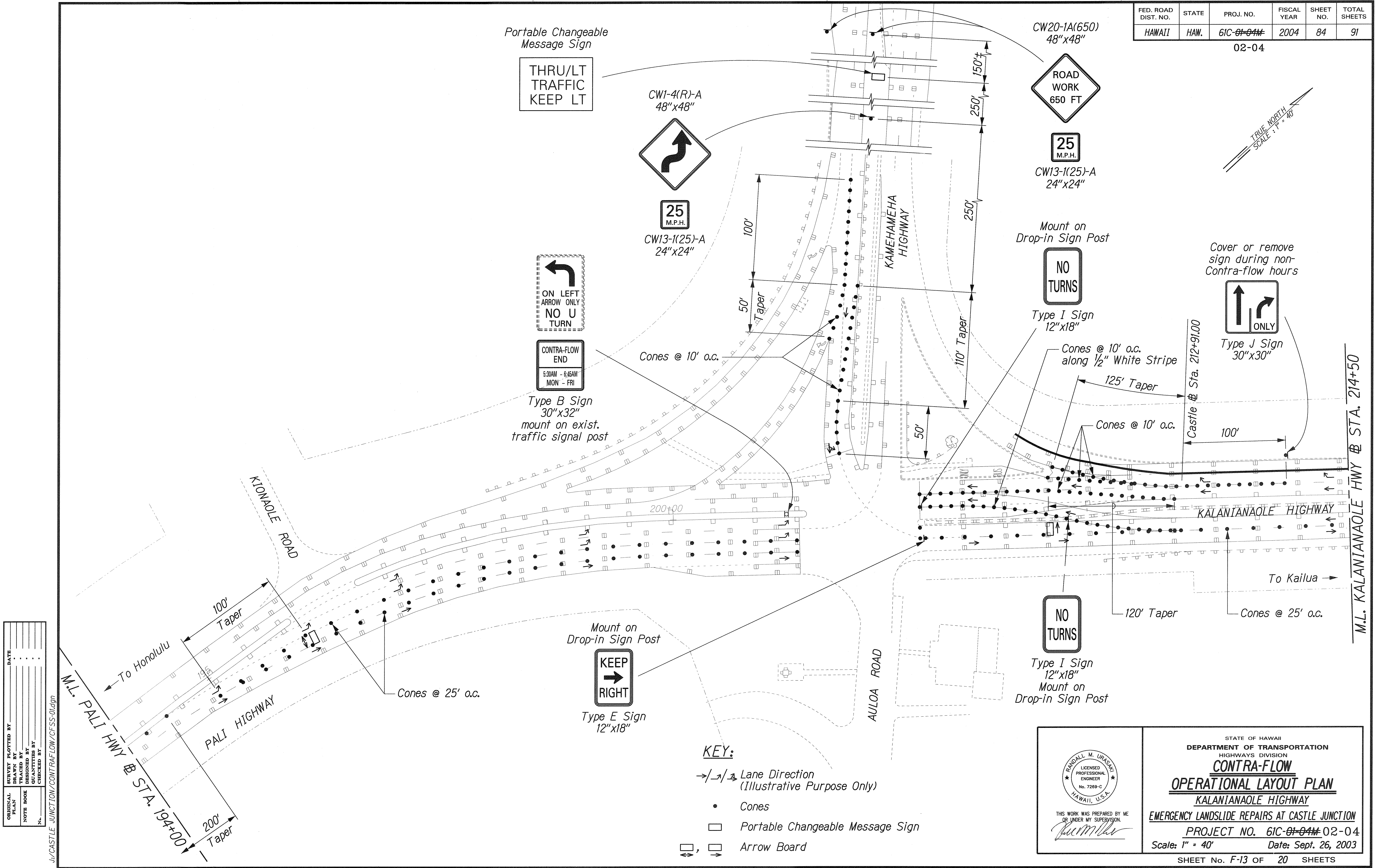
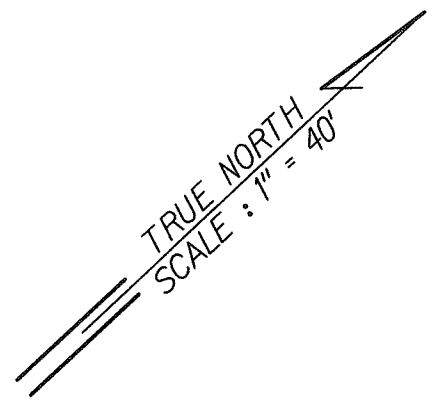
PROJECT NO. 61C-01-04M 02-04
Scale: 1" = 40' Date: Sept. 26, 2003

SHEET No. F-12 OF 20 SHEETS

"AS-BUILT"

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	61C-01-04#	2004	84	91

02-04



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
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KEY:

- / ← / ↗ Lane Direction (Illustrative Purpose Only)
- Cones
- Portable Changeable Message Sign
- ⇄, ⇆ Arrow Board

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R. Urakami

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CONTRA-FLOW

OPERATIONAL LAYOUT PLAN

KALANIANA'OLE HIGHWAY

EMERGENCY LANDSLIDE REPAIRS AT CASTLE JUNCTION

PROJECT NO. 61C-01-04# 02-04

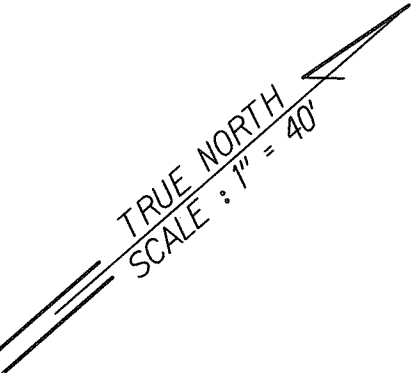
Scale: 1" = 40' Date: Sept. 26, 2003

SHEET No. F-13 OF 20 SHEETS

AS-BUILT

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	61C- 01-04	2004	85	91

02-04



RIGHT LANE
MUST
TURN RIGHT

R3-7(R)
30"x30"
Kalaniana'ole Hwy
@ Sta. 217+00

Existing Concrete Barrier

M.L. KALANIANA'OLE HWY
@ STA. 214+50

← To Honolulu

KALANIANA'OLE HIGHWAY

To Kailua →

M.L. KALANIANA'OLE HWY
@ STA. 219+00

Kalaniana'ole Hwy @

Cones @ 25' o.c.

KEY:

→/↔ Lane Direction
(Illustrative Purpose Only)

• Cones

Sta. 221+00
Mount on Drop-In
Sign Post

KEEP
→
RIGHT

Type E Sign
Both Sides
12" X 18"

Existing Concrete Barrier

← To Honolulu

KALANIANA'OLE HIGHWAY

M.L. KALANIANA'OLE HWY
STA. 219+00

220+00

225+00

Kalaniana'ole Hwy @

Cones @ 25' o.c.

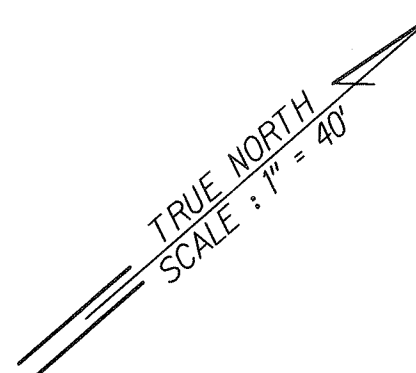
Sta. 228+00
Mount on Drop-In
Sign Post

25
MPH

Type C Sign
Both Sides
12" X 18"

To Kailua →

M.L. KALANIANA'OLE HWY
@ STA. 229+00



SURVEY PLOTTED BY	DATE
DRAWN BY	
CHECKED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	

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HIGHWAYS DIVISION

CONTRA-FLOW
OPERATIONAL LAYOUT PLAN
KALANIANA'OLE HIGHWAY

EMERGENCY LANDSLIDE REPAIRS AT CASTLE JUNCTION

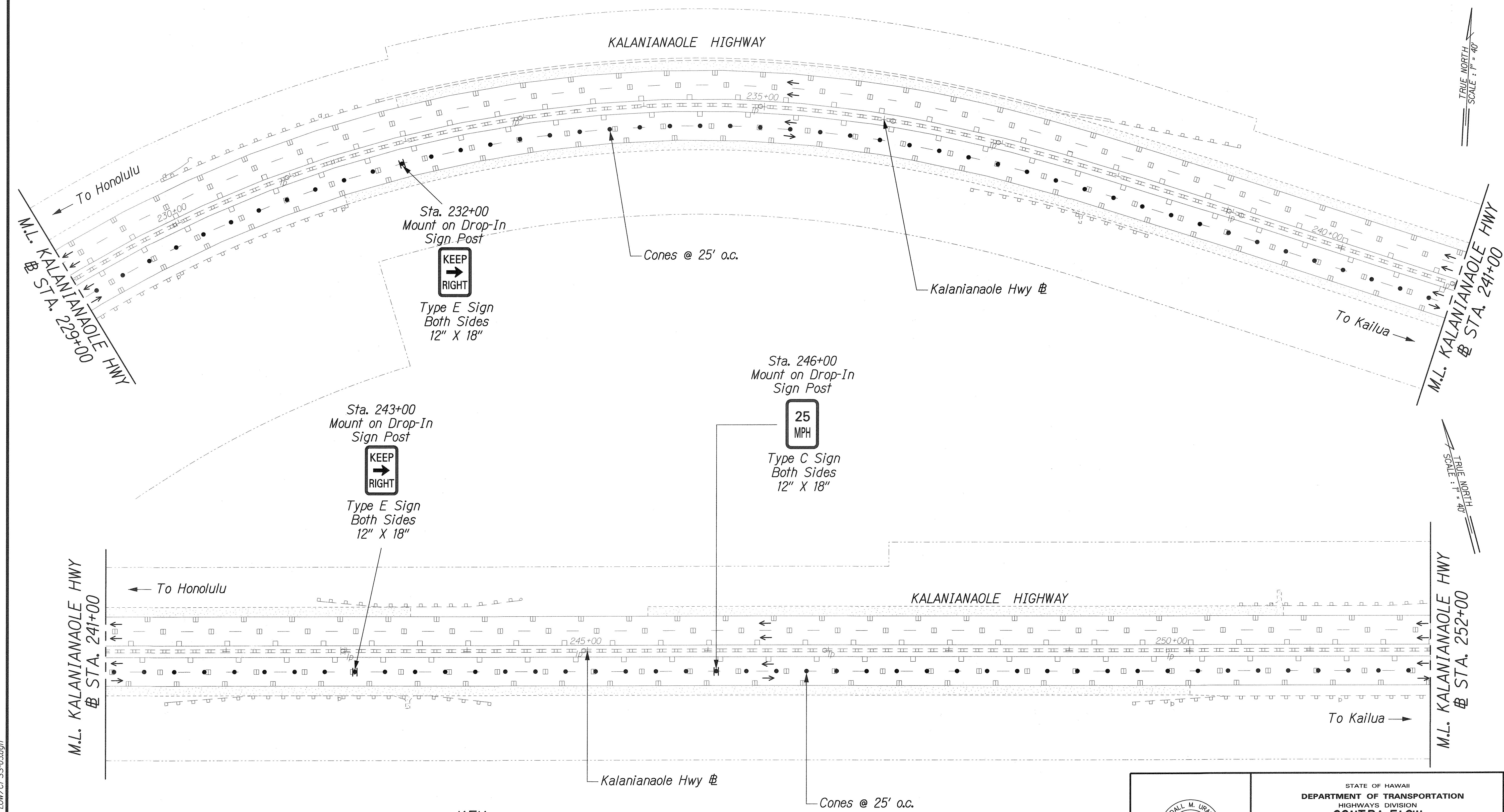
PROJECT NO. 61C-~~01-04~~ 02-04
Scale: 1" = 40' Date: Sept. 26, 2003

SHEET No. F-14 OF 20 SHEETS

"AS-BUILT"

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	61C-01-04#	2004	86	91

02-04



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
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	CHECKED BY	

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- KEY:**
- Lane Direction (Illustrative Purpose Only)
 - Cones

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R. Uragami

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CONTRA-FLOW
OPERATIONAL LAYOUT PLAN
KALANIANAʻOLE HIGHWAY

EMERGENCY LANDSLIDE REPAIRS AT CASTLE JUNCTION

PROJECT NO. 61C-01-04# 02-04
Scale: 1" = 40' Date: Sept. 26, 2003

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	61C-04-04#	2004	87	91

02-04

Mount on
Type II Barricade
w/ Sandbag

25
M.P.H.

W13-1(25)
18"x18"

TRUE NORTH
SCALE: 1" = 40'

M.L. KALANIANA'OLE HWY
STA. 252+00

← To Honolulu

KALANIANA'OLE HIGHWAY

255+00

260+00

Kalaniana'ole Hwy #

→ To Kailua

M.L. KALANIANA'OLE HWY
STA. 263+00

Cones @ 25' o.c.

Sta. 256+00
Mount on Drop-In
Sign Post Sleeve

KEEP
→
RIGHT

Type E Sign
Both Sides
12" X 18"

Type A Sign
30"x32"
Mount on
light pole

CONTRA-FLOW
BEGIN
5:30AM - 6:45AM
MON - FRI

ADDED LN
QUARRY ROAD

Portable
Changeable
Message Sign

Mount on Type II
Barricade w/ Sandbag

Type G Sign
24"x30"

ADDED
LANE

24"x18"

← To Honolulu

M.L. KALANIANA'OLE HWY
STA. 263+00

KAPAA QUARRY RD.

265+00

Cones @ 25' o.c.

Cones
@ 10' o.c.

Mount on
Drop-in
Sign Post

KEEP
←
LEFT

Type D Sign
12"x18"

Mount on
Drop-in
Sign Post

NO
LEFT
TURN

Type H Sign
12"x18"

ON LEFT
ARROW ONLY
NO U
TURN

cover exist. signs during
Contra-Flow hours

500'

KAHANA'IKI

BRIDGE

Kalaniana'ole Hwy #

→ To Kailua

TRUE NORTH
SCALE: 1" = 40'

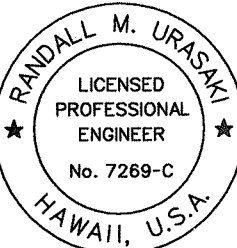
KEY:

→/← Lane Direction
(Illustrative Purpose Only)

• Cones

□ Portable Changeable Message Sign

I Type II Barricade with Sandbag



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R. Urakami

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CONTRA-FLOW

OPERATIONAL LAYOUT PLAN

KALANIANA'OLE HIGHWAY

EMERGENCY LANDSLIDE REPAIRS AT CASTLE JUNCTION

PROJECT NO. 61C-04-04# 02-04

Scale: 1" = 40'

Date: Sept. 26, 2003

SHEET No. F-16 OF 20 SHEETS

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

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"AS-BUILT"