

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HS-STP-011-2(38)	2010	34	141

LEGEND FOR AS-BUILT POSTINGS

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

Sta. 5+98.82 to Sta. 7+33.82 o/s Lt., DL-A
Install 135 LF Pipe Handrail
Along Mauka Channel Wall

TMK:1-8-01:25
Owner: Daniel Jr. Deluz
Earlette M. Deluz

Sta. 5+71.81, DL-A
Construct Headwall 6A
End Concrete Channel
Begin 4'x3' Concrete Box Culvert
Inv.=1356.04

Remove Exist. d24,
Construct 4'x3'
Concrete Box Culvert

Sta. 5+98.62, DL-A
Construct Headwall 6B
End 4'x3' Concrete Box Culvert
Begin Concrete Channel
Inv.=1355.57

① Sta. 0+59.62, DL-B
=Sta. 735+23.28 o/s 31.04' Rt.
Volcano Road
Construct Modified GDI "D7"
End 3'x2' Concrete Box Culvert
Begin 3'x3' Concrete Box Culvert
Top=1356.46
Inv.=1352.17 (In/Out)

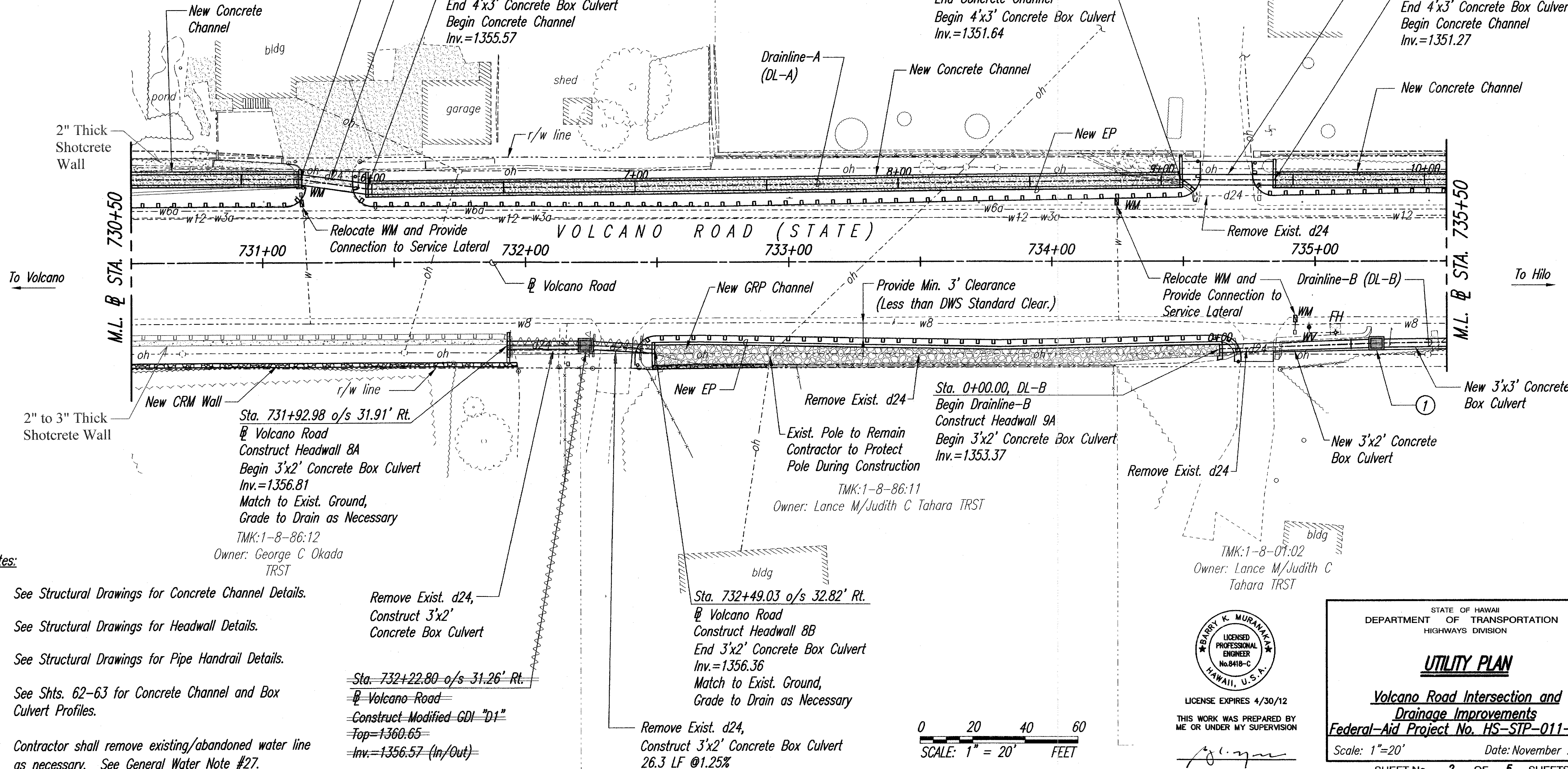
TMK:1-8-01:27
Owner: Julie-Beth Mamo
Ako
Dana Kaleookalani Kamai

Sta. 9+07.57, DL-A
Construct Headwall 7A
End Concrete Channel
Begin 4'x3' Concrete Box Culvert
Inv.=1351.64

New 4'x3'
Concrete Box Culvert

Sta. 9+42.95, DL-A
Construct Headwall 7B
End 4'x3' Concrete Box Culvert
Begin Concrete Channel
Inv.=1351.27

New Concrete Channel



Notes:

- See Structural Drawings for Concrete Channel Details.
- See Structural Drawings for Headwall Details.
- See Structural Drawings for Pipe Handrail Details.
- See Shts. 62-63 for Concrete Channel and Box Culvert Profiles.
- Contractor shall remove existing/abandoned water line as necessary. See General Water Note #27.

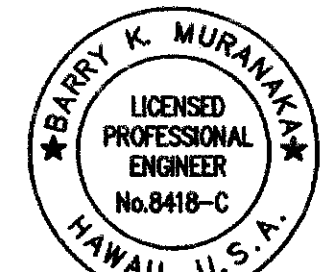
Remove Exist. d24,
Construct 3'x2'
Concrete Box Culvert

Sta. 732+22.80 o/s 31.26' Rt.
Volcano Road
Construct Modified GDI "D1"
Top=1360.65
Inv.=1356.57 (In/Out)

Remove Exist. d24,
Construct 3'x2' Concrete Box Culvert
26.3 LF @1.25%

0 20 40 60
SCALE: 1" = 20' FEET

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



LICENSE EXPIRES 4/30/12
THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

UTILITY PLAN
Volcano Road Intersection and
Drainage Improvements
Federal-Aid Project No. HS-STP-011-2(38)
Scale: 1"=20' Date: November 2010
SHEET No. 2 OF 5 SHEETS

"AS-BUILT"

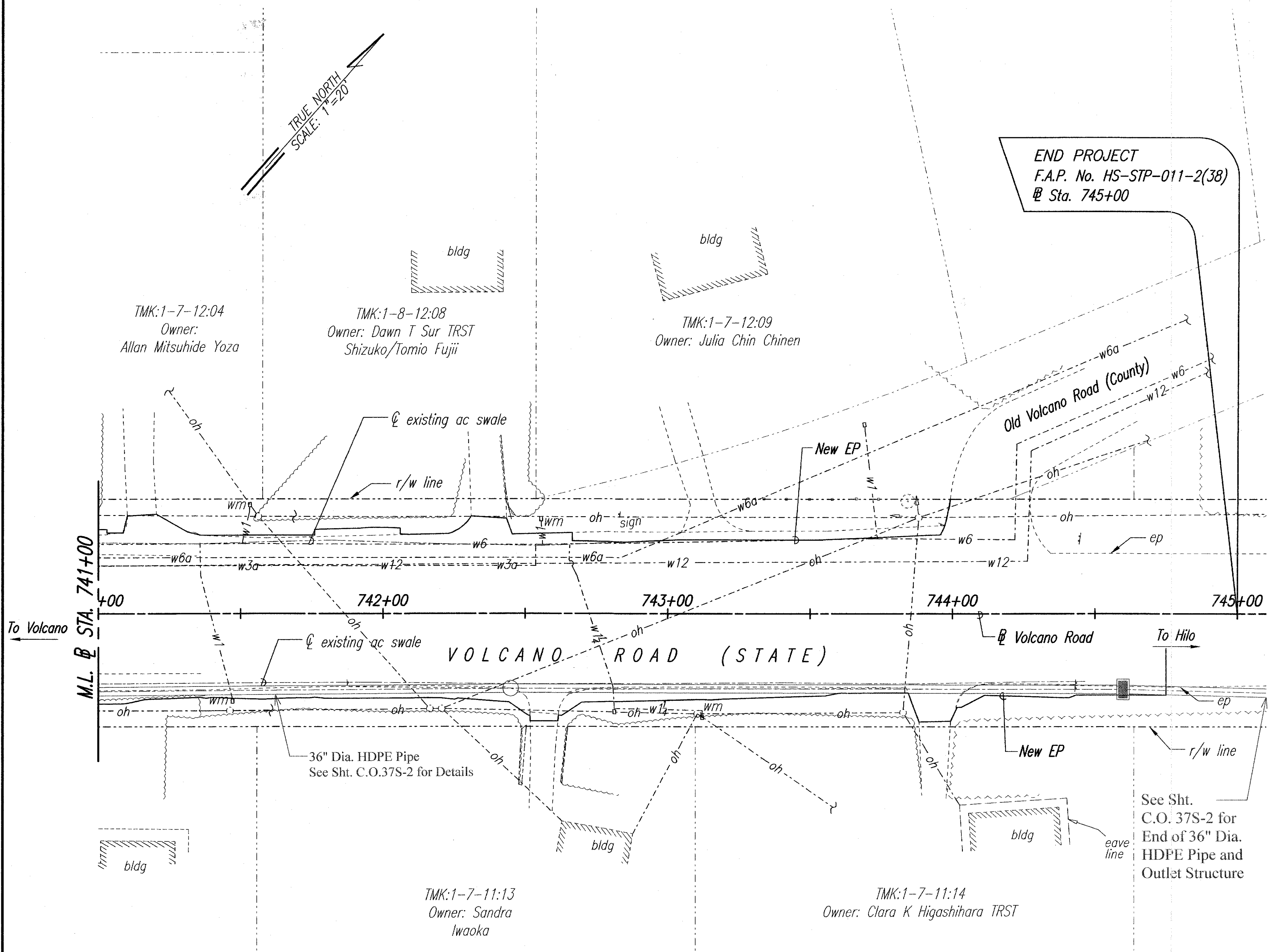
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
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Plot Date: December 01, 2010 @ 11:26:08 am

Last Update: December 01, 2010 @ 1:25:25 am

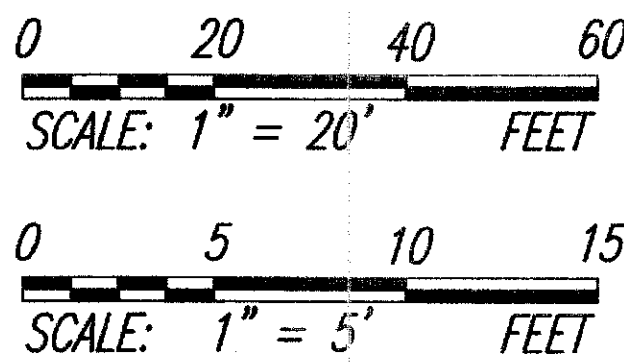
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ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
TRACED BY		
DESIGNED BY		
CHECKED BY		
NO.		



Note:
Contractor shall remove existing/abandoned water line as necessary. See General Water Note #27.

LEGEND FOR AS-BUILT POSTINGS	
	Squiggly line for as-built deletion
	Double line for as-built deletion
	Text for as-built posting



BARRY K. MURAKAWA
LICENSED PROFESSIONAL ENGINEER
No.8418-C
HAWAII, U.S.A.
LICENSE EXPIRES 4/30/12
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

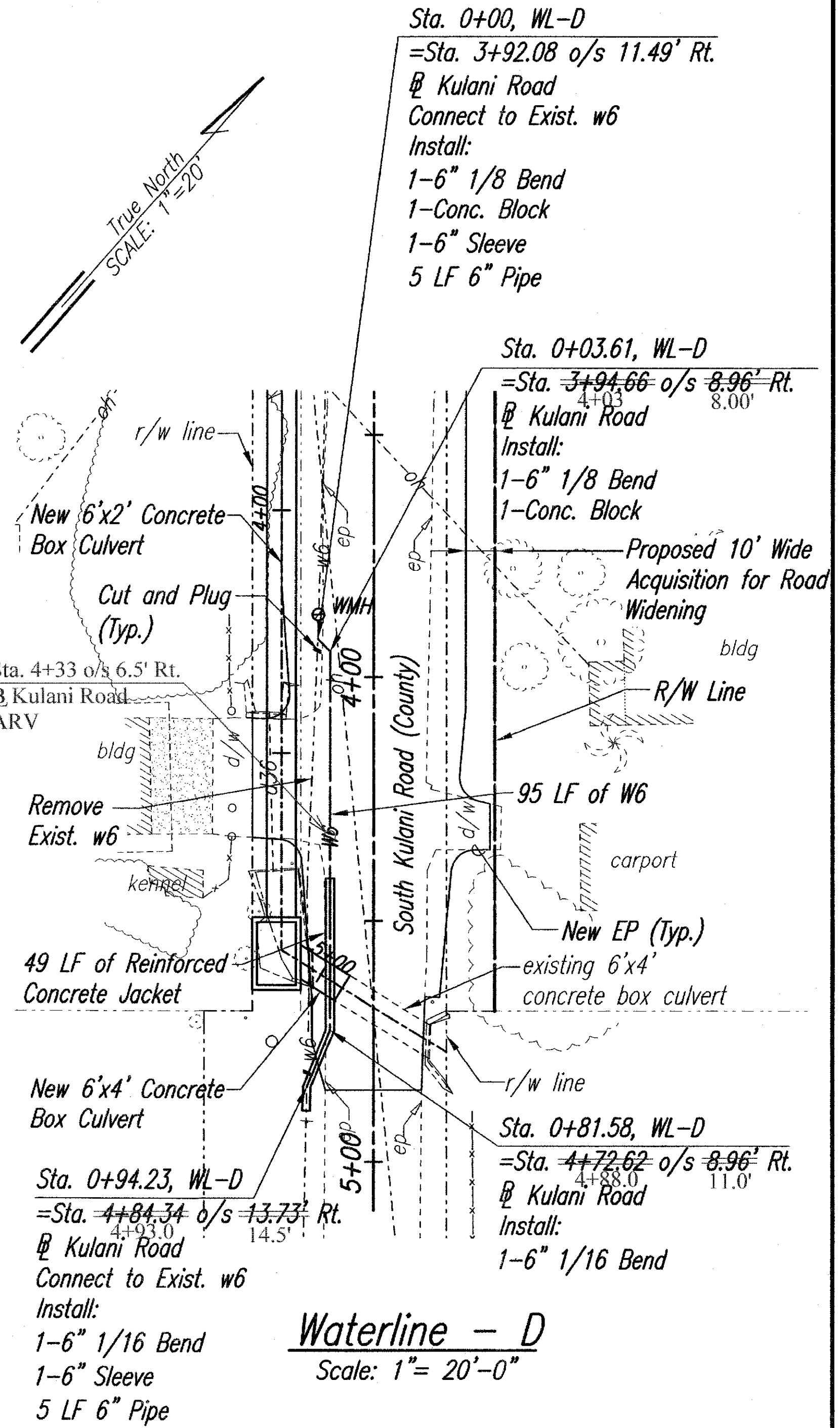
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

UTILITY PLAN

Volcano Road Intersection and Drainage Improvements
Federal-Aid Project No. HS-STP-011-2(38)

Scale: 1"=20' Date: November 2010

SHEET No. 4 OF 5 SHEETS



"AS-BUILT"

