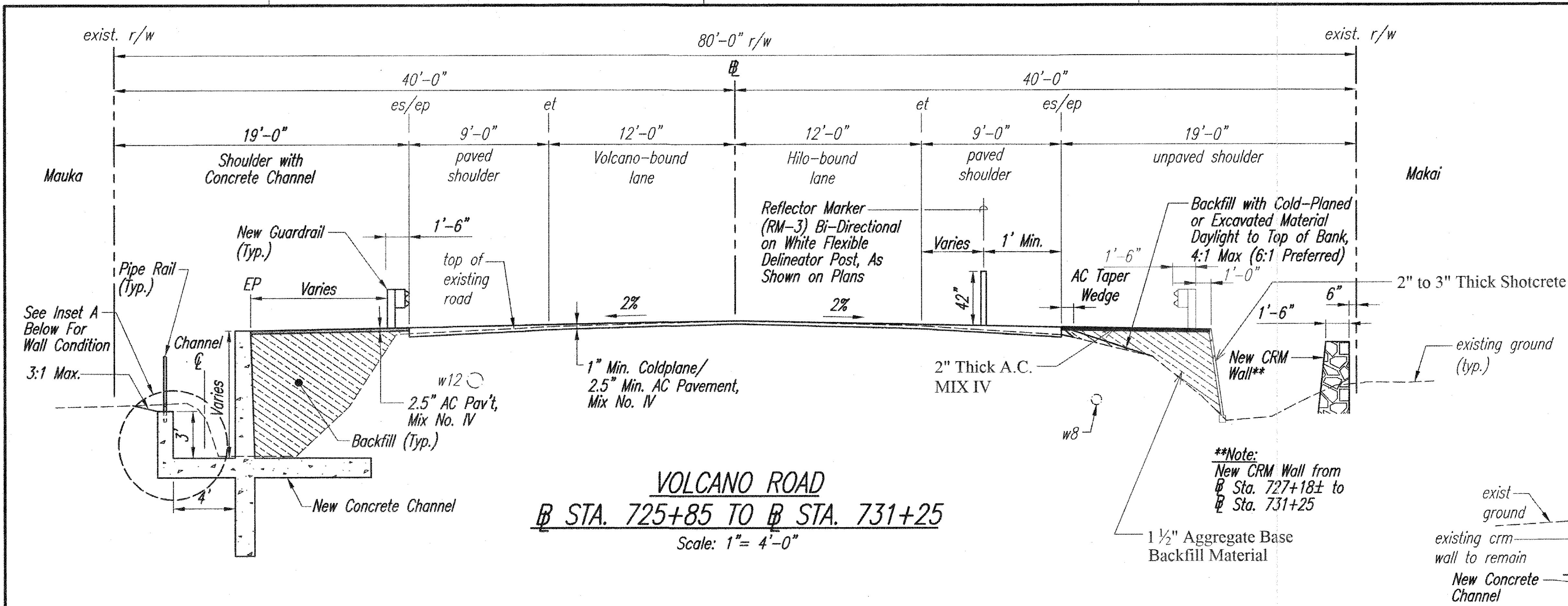
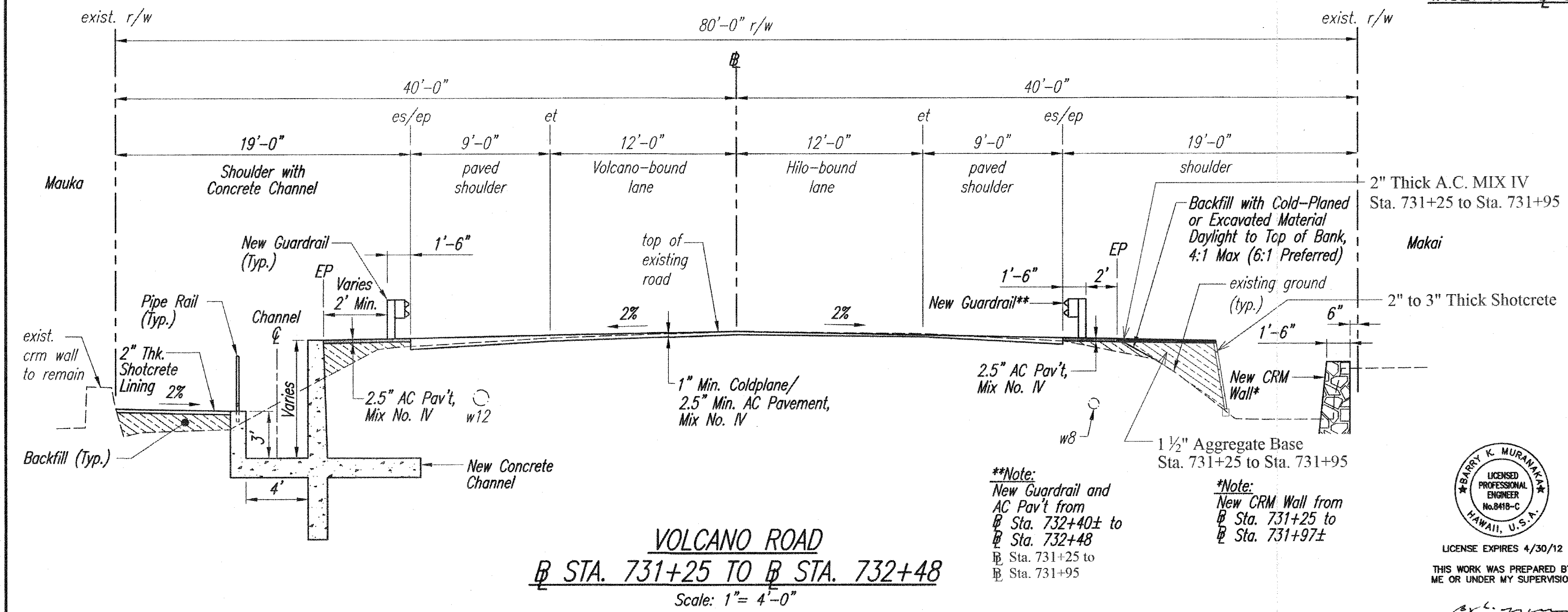
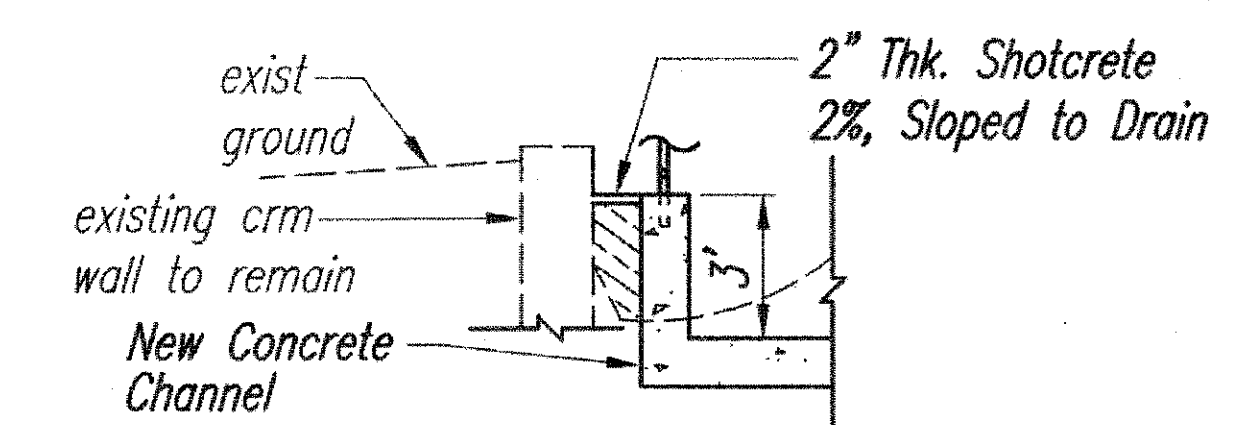


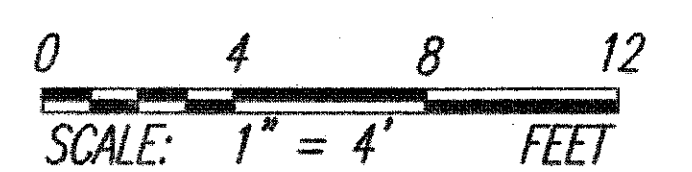
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HS-STP-011-2(38)	2010	20	141



INSET A - @ STA. 729+00 TO @ STA. 731+25
Scale: 1" = 4'-0"



- Notes:**
1. See Structural Drawings for Concrete Channel and Pipe Rail Details.
 2. See Utility Plans for Pipe Rail Locations
 3. See Sheet 98 for Typical Pavement Edge Detail (AC Taper Wedge).



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TYPICAL SECTIONS

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

Scale: 1"=4' Date: November 2010

SHEET No. 1 OF 8 SHEETS

Barry K. Muramatsu
LICENSED PROFESSIONAL ENGINEER
No. 8418-C
HAWAII, U.S.A.

LICENSE EXPIRES 4/30/12

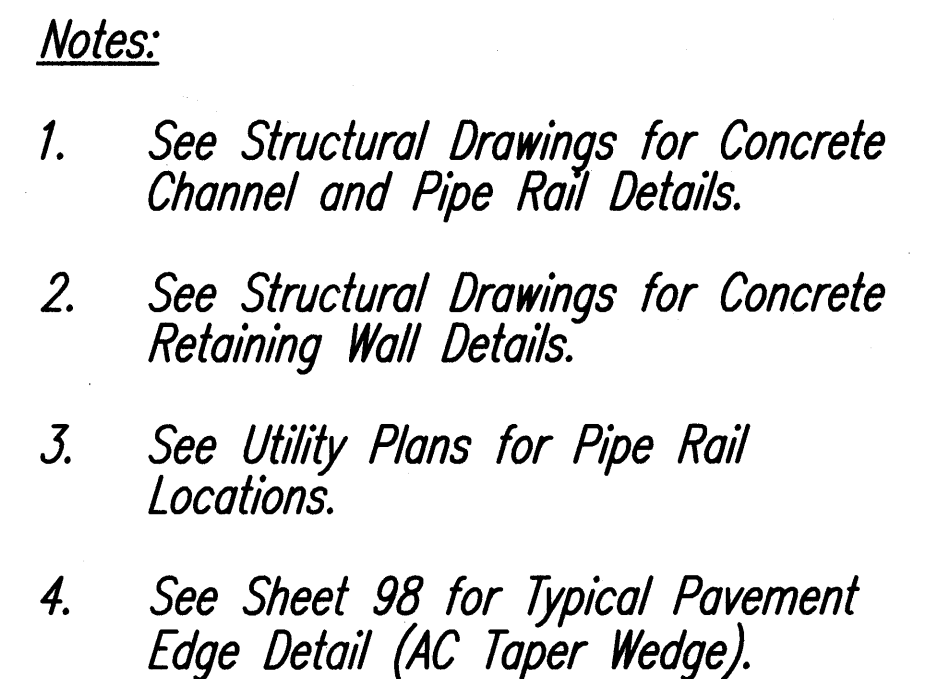
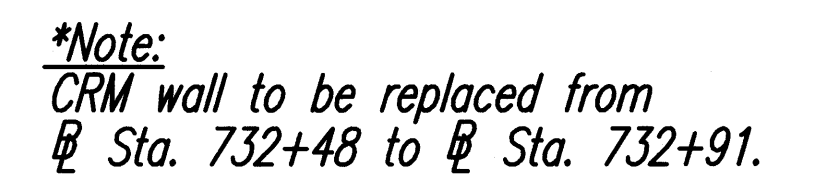
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

DATE	_____
SURVEY PLANNED BY	_____
DRAWN BY	_____
TRACED BY	_____
DESIGNED BY	_____
QUANTITIES BY	_____
CHECKED BY	_____
NO.	_____

"AS-BUILT"

PLOT DATE: November 30, 2010 @ 01:23:30 pm

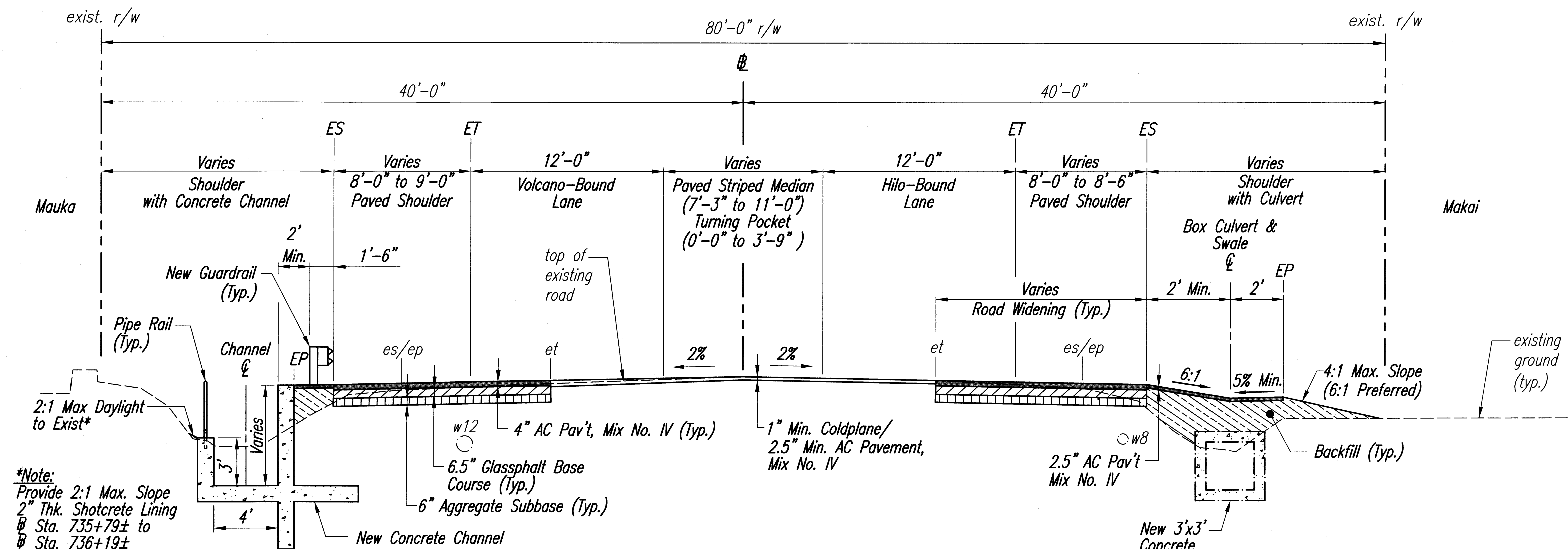
LAST UPDATE: November 29, 2010 @ 02:06:24 pm



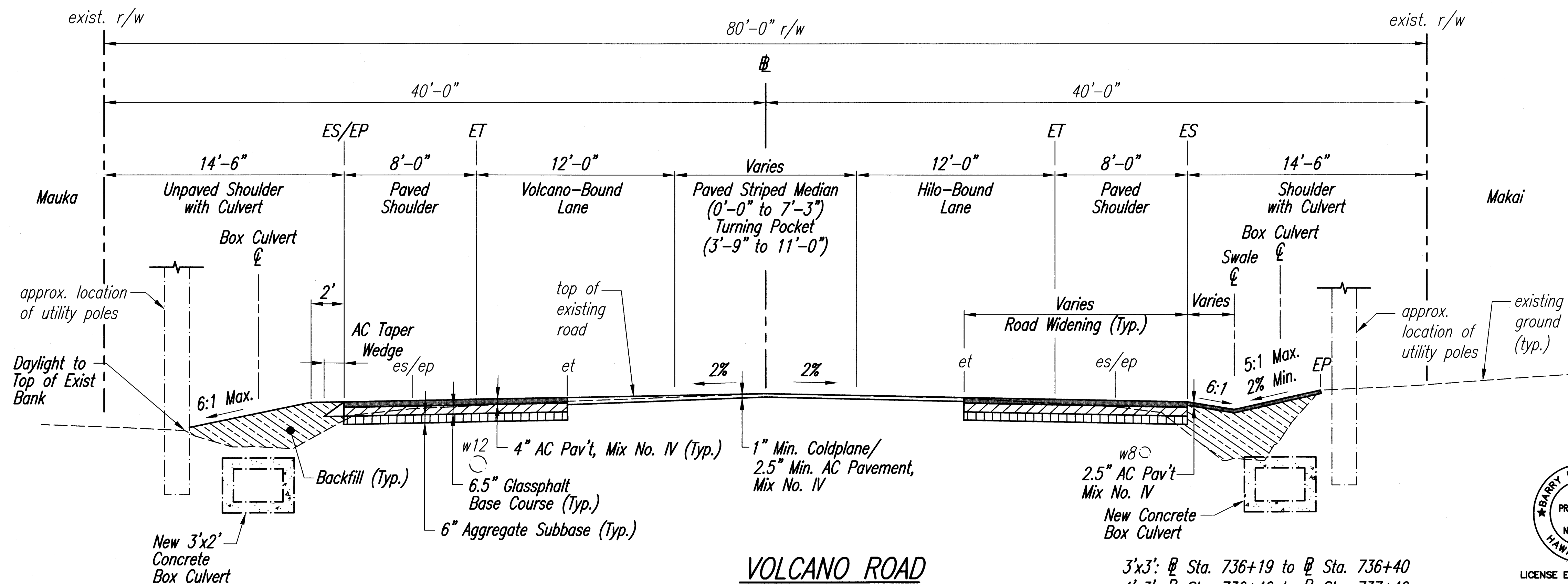
B. L. Yin

21

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HS-STP-011-2(38)	2010	22	141



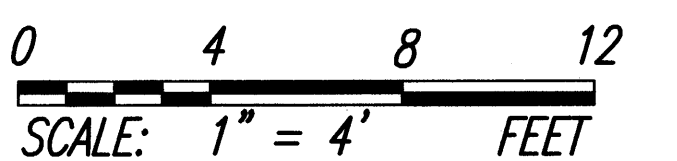
VOLCANO ROAD
@ STA. 735+23 TO @ STA. 736+19
 Scale: 1" = 4'-0"



VOLCANO ROAD
@ STA. 736+19 TO @ STA. 737+49
 Scale: 1" = 4'-0"

Notes:

- See Structural Drawings for Concrete Channel, Box Culvert, and Pipe Rail Details.
- See Sheet 98 for Typical Pavement Edge Detail (AC Taper Wedge).



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

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

TYPICAL SECTIONS

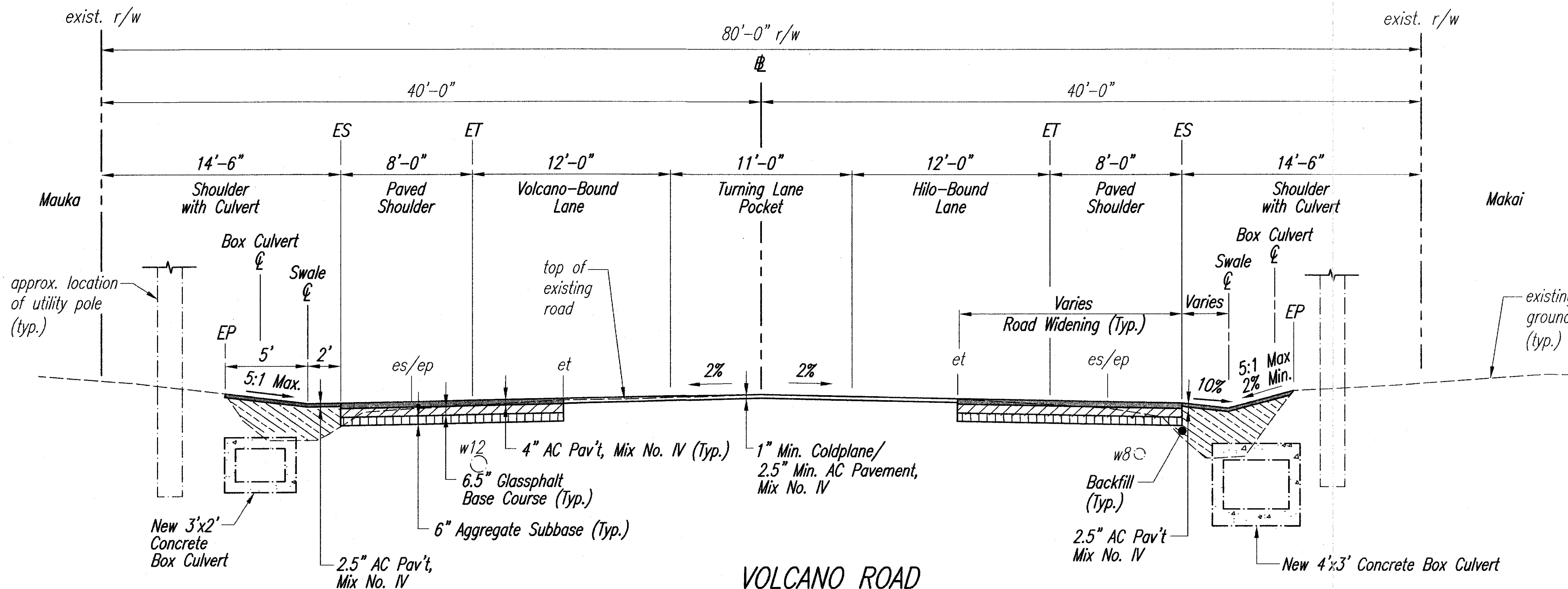
**Volcano Road Intersection and
 Drainage Improvements**

Federal-Aid Project No. HS-STP-011-2(38)

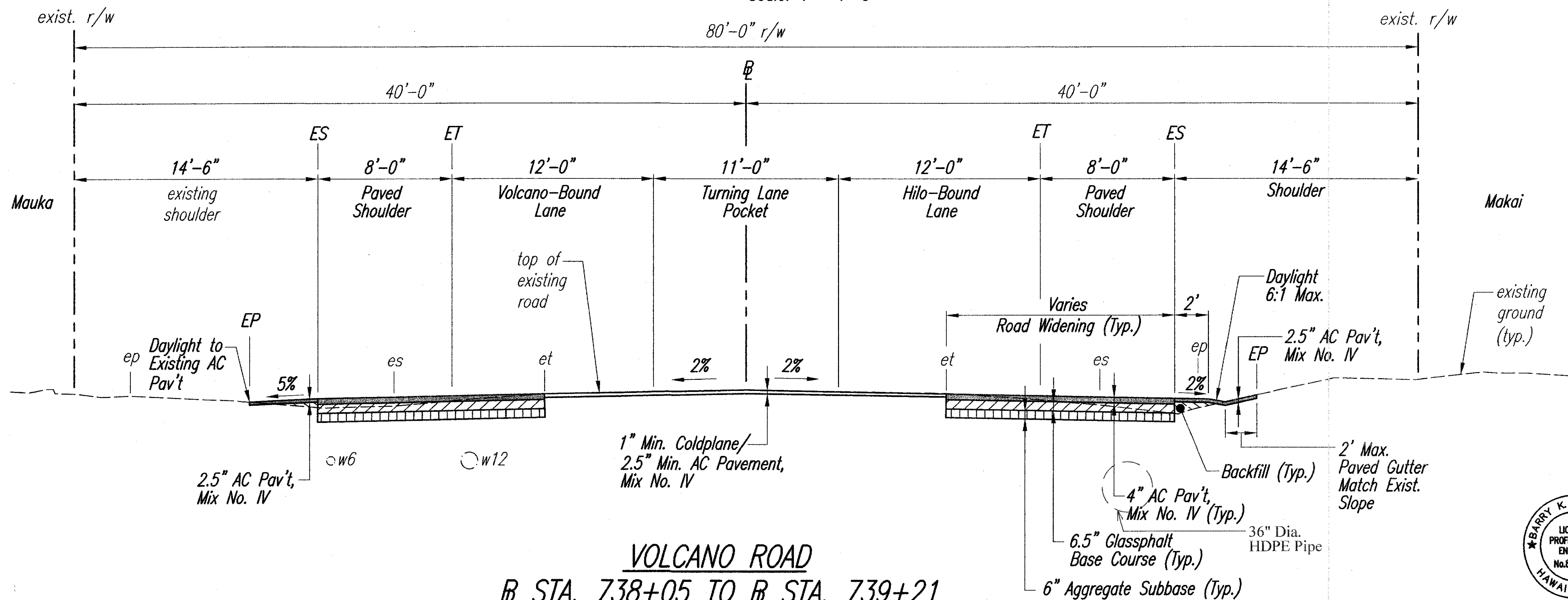
Scale: 1" = 4' Date: November 2010

SHEET No. **3** OF **8** SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HS-STP-011-2(38)	2010	23	141



VOLCANO ROAD
Sta. 737+49 TO Sta. 738+05
 Scale: 1" = 4'-0"

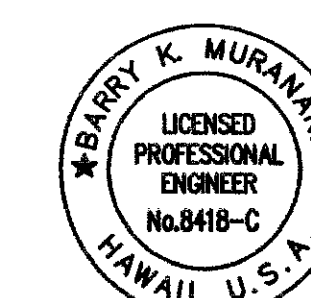


VOLCANO ROAD
Sta. 738+05 TO Sta. 739+21
 Scale: 1" = 4'-0"

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

Notes:

1. See Structural Drawings for Box Culvert Details.
2. See Sheet 98 for Typical Pavement Edge Detail (AC Taper Wedge).



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

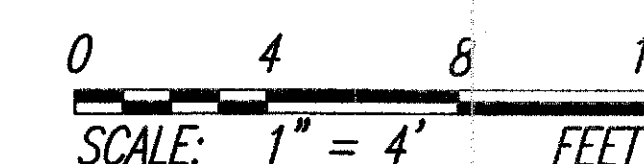
STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

TYPICAL SECTIONS

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

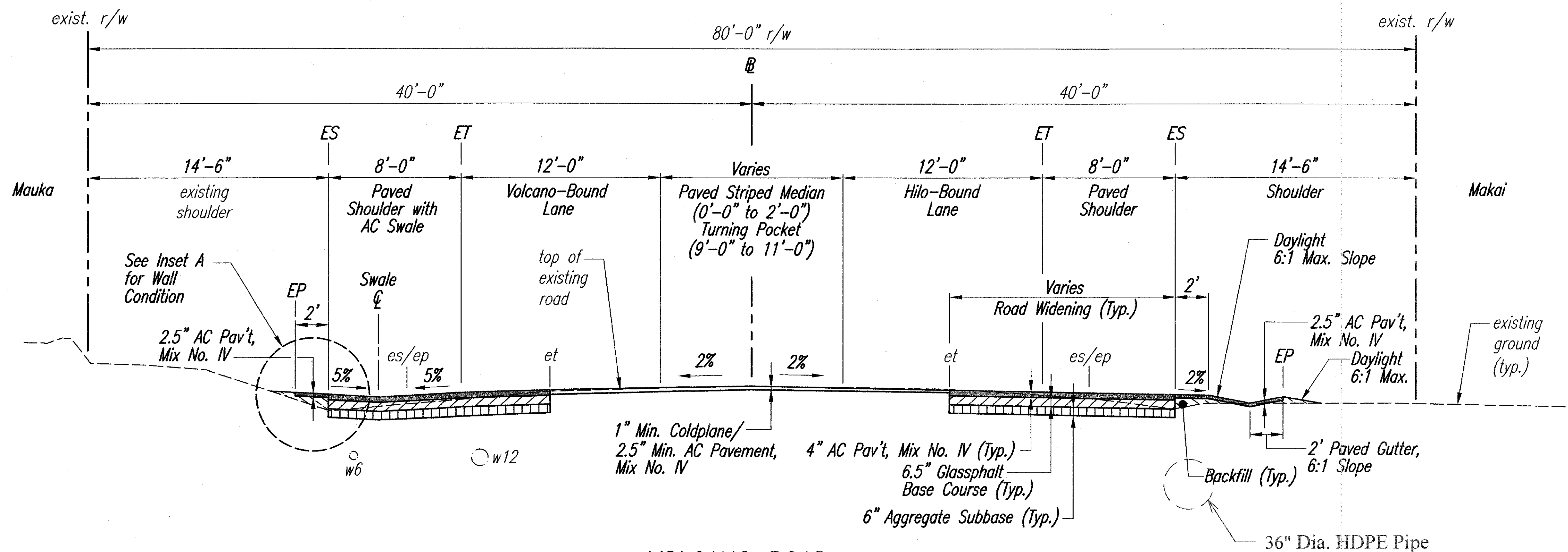
Scale: 1"=4' Date: November 2010

SHEET NO. 4 OF 8 SHEETS

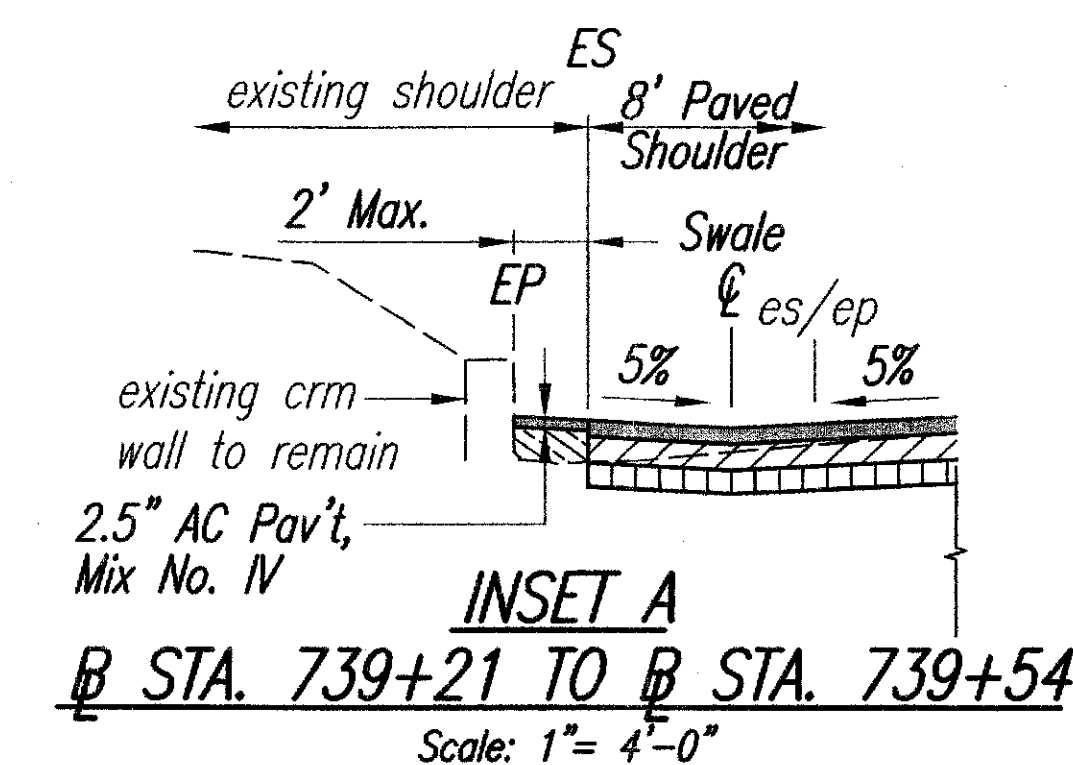


"AS-BUILT"

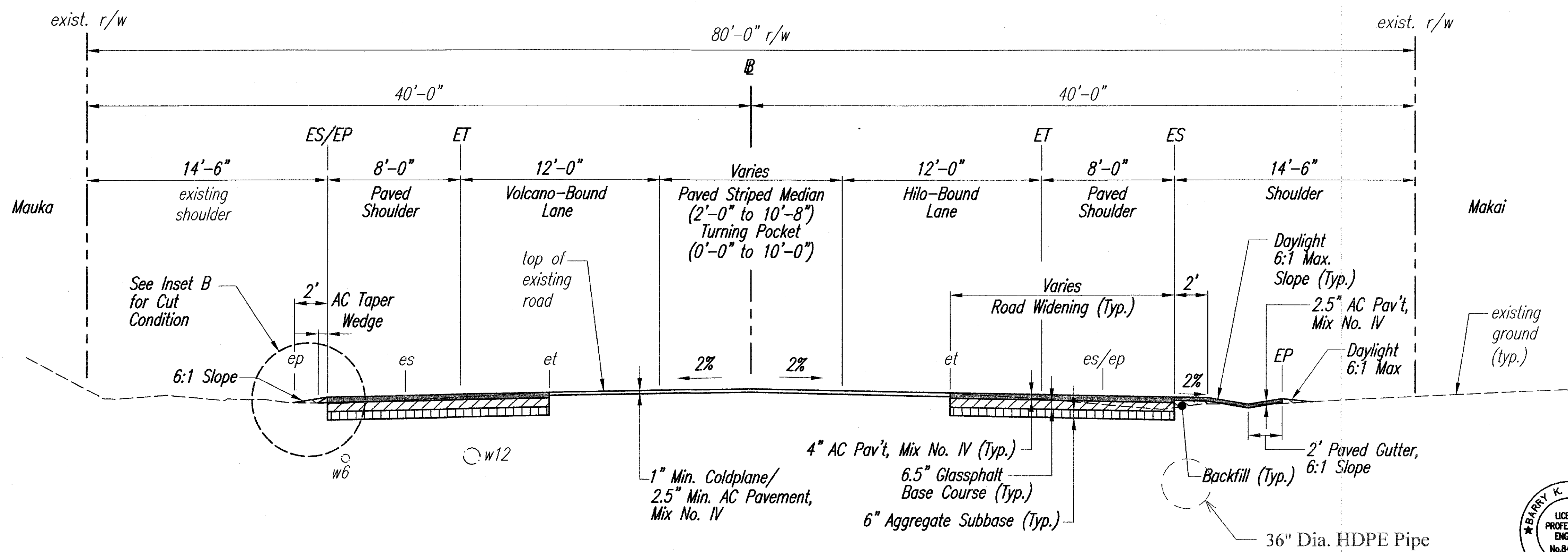
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HS-STP-011-2(38)	2010	24	141



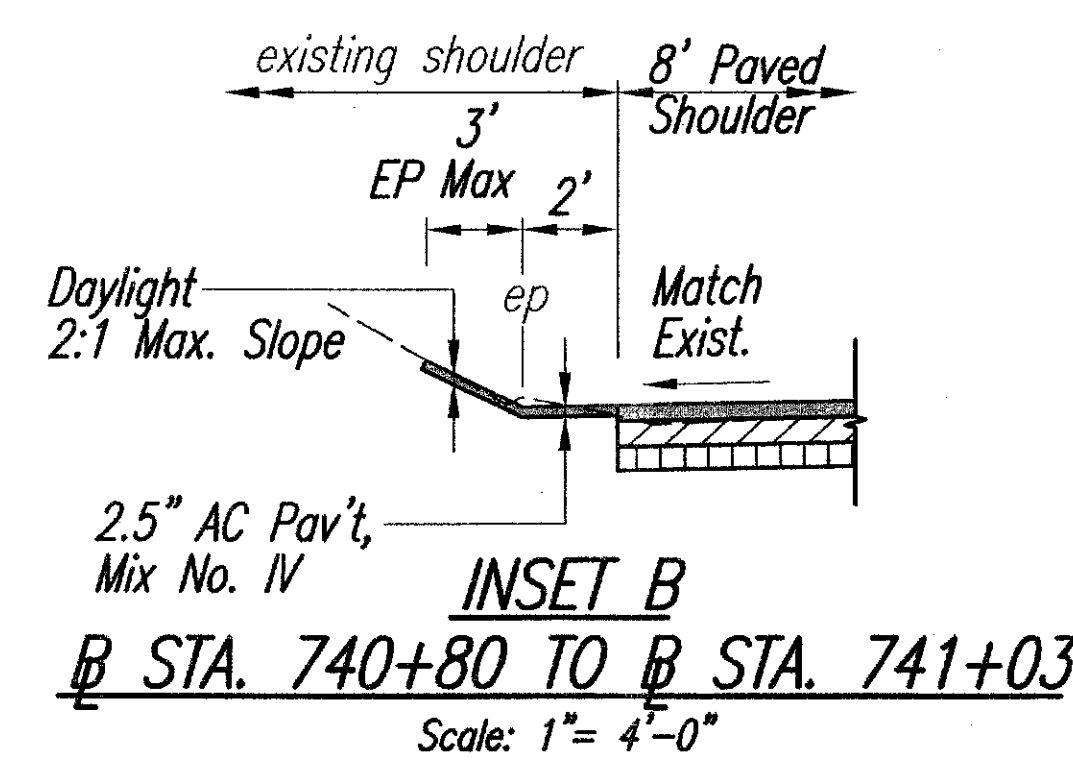
VOLCANO ROAD
B STA. 739+21 TO B STA. 740+45
 Scale: 1" = 4'-0"



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



VOLCANO ROAD
B STA. 740+45 TO B STA. 741+76
 Scale: 1" = 4'-0"

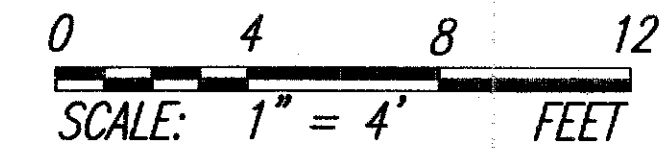


- Notes:**
- See Sheet 98 for Typical Pavement Edge Detail (AC Taper Wedge).

DATE	_____
DESIGNED BY	_____
CHECKED BY	_____
NO.	_____



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



STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

TYPICAL SECTIONS

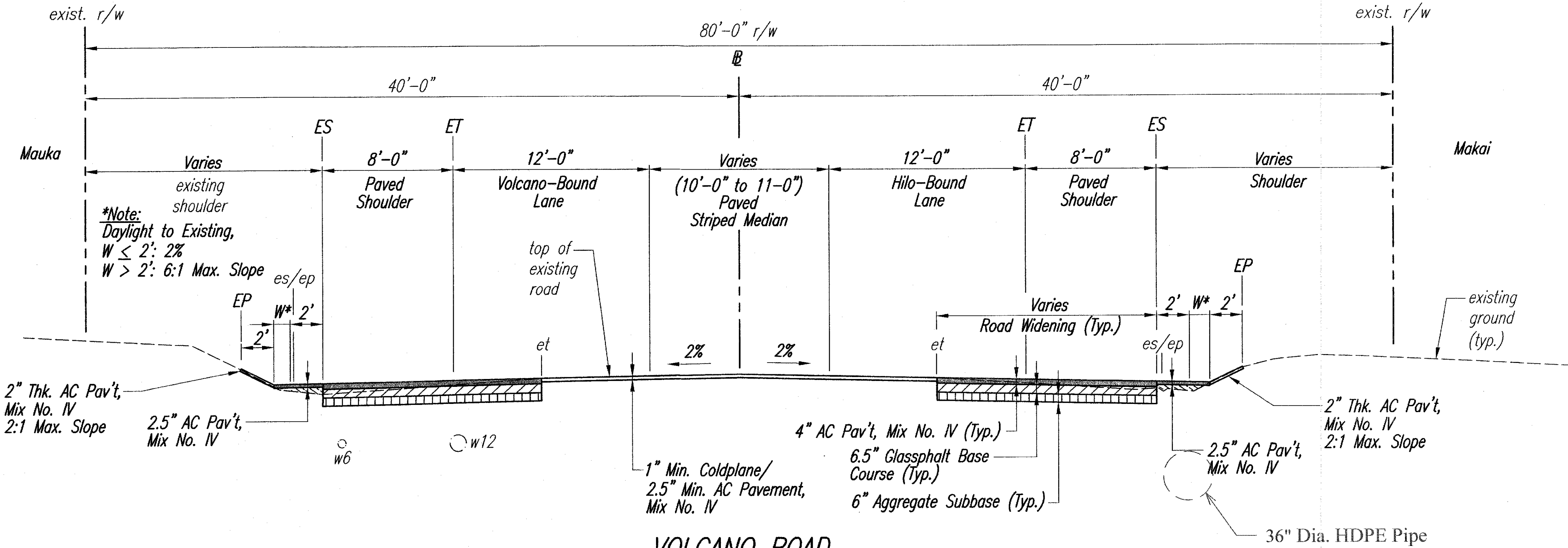
Volcano Road Intersection and Drainage Improvements
Federal-Aid Project No. HS-STP-011-2(38)

Scale: 1" = 4' Date: November 2010

SHEET No. 5 OF 8 SHEETS

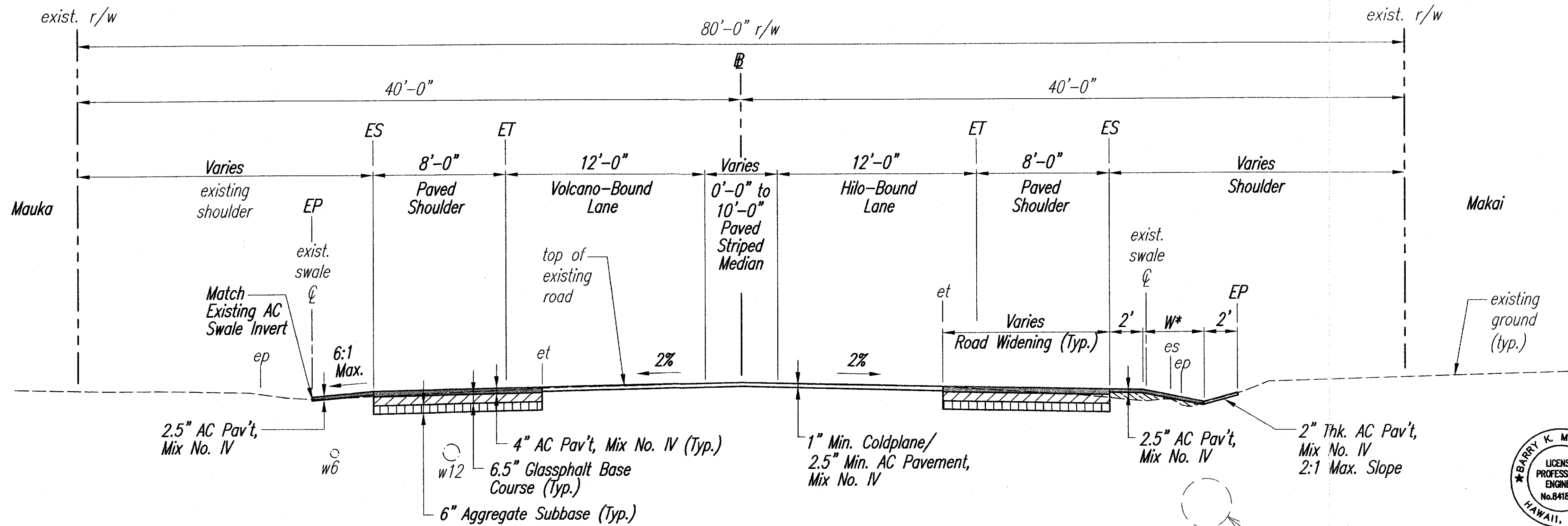
"AS-BUILT"

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HS-STP-011-2(38)	2010	25	141



VOLCANO ROAD
B STA. 741+76 TO B STA. 742+06
 Scale: 1"= 4'-0"

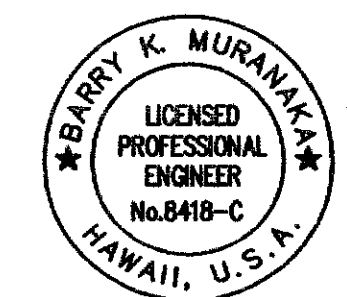
LEGEND FOR AS-BUILT POSTINGS	
~~~~~	Squiggly line for as-built deletion
±00.00	Double line for as-built deletion
Roadway	Text for as-built posting



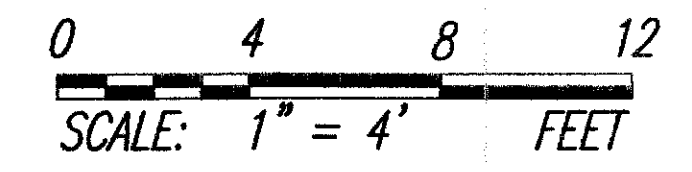
**VOLCANO ROAD**  
**B STA. 742+06 TO B STA. 744+12**  
 Scale: 1"= 4'-0"

*Note:  
 Daylight to Existing,  
 W ≤ 2': 2%  
 W > 2': 6:1 Max. Slope

SURVEY PLOTTED BY	DATE
DESIGNED BY	
NOTED BY	
CHECKED BY	
NO.	



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



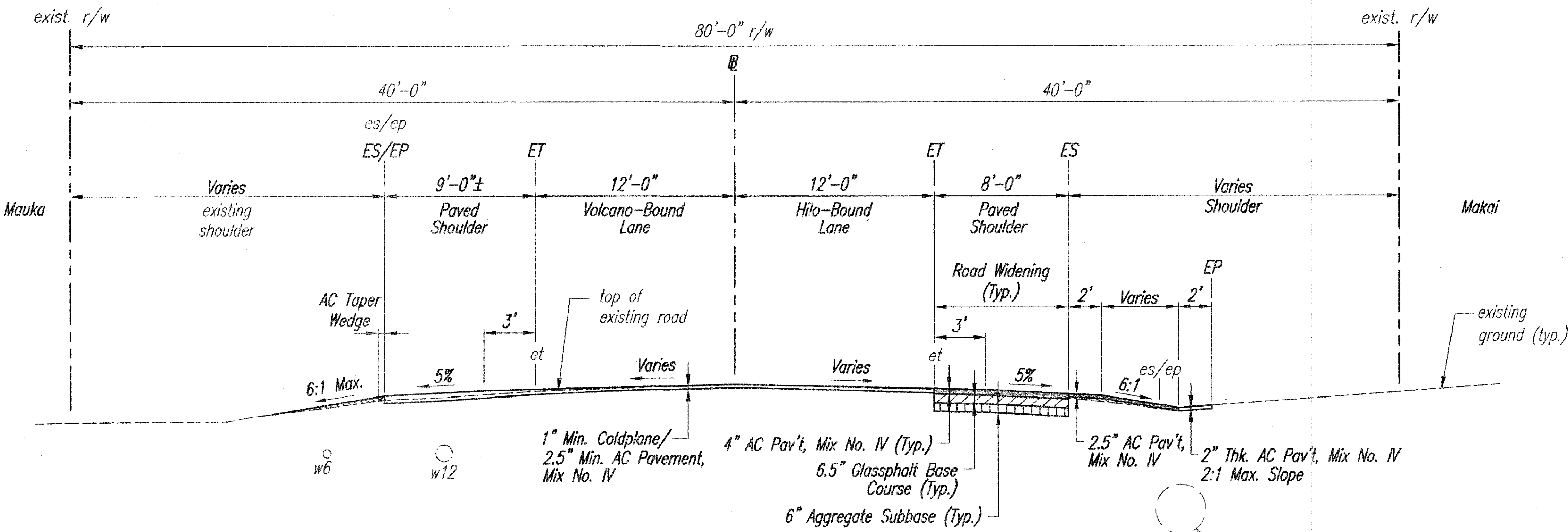
STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**TYPICAL SECTIONS**  
**Volcano Road Intersection and Drainage Improvements**  
**Federal-Aid Project No. HS-STP-011-2(38)**  
Scale: 1"=4' Date: November 2010

SHEET No. 6 OF 8 SHEETS

"AS-BUILT"

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HS-STP-011-2(38)	2010	26	141

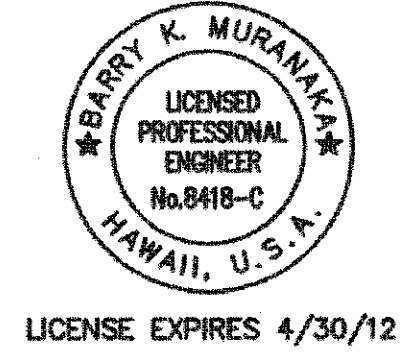
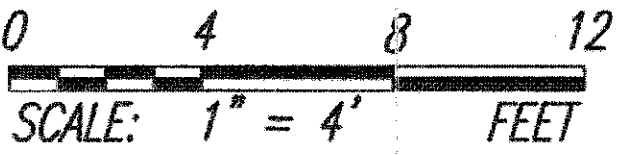


**VOLCANO ROAD**  
**STA. 744+12 TO STA. 745+00**  
Scale: 1" = 4'-0"

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

- Notes:
- See Sheet 98 for Typical Pavement Edge Detail (AC Taper Wedge).

SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
QUANTITIES BY	
CHECKED BY	



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STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

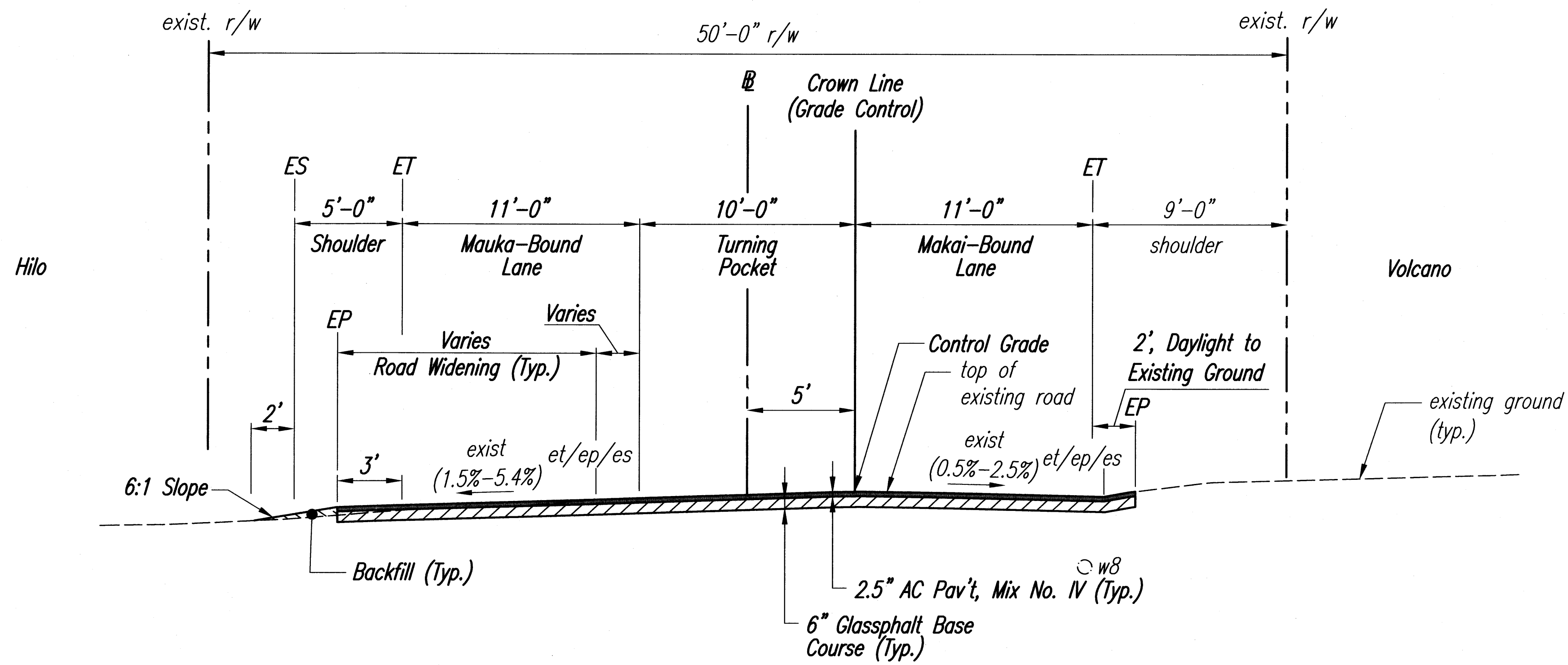
**TYPICAL SECTIONS**  
**Volcano Road Intersection and Drainage Improvements**  
**Federal-Aid Project No. HS-STP-011-2(38)**

Scale: 1"=4'      Date: November 2010

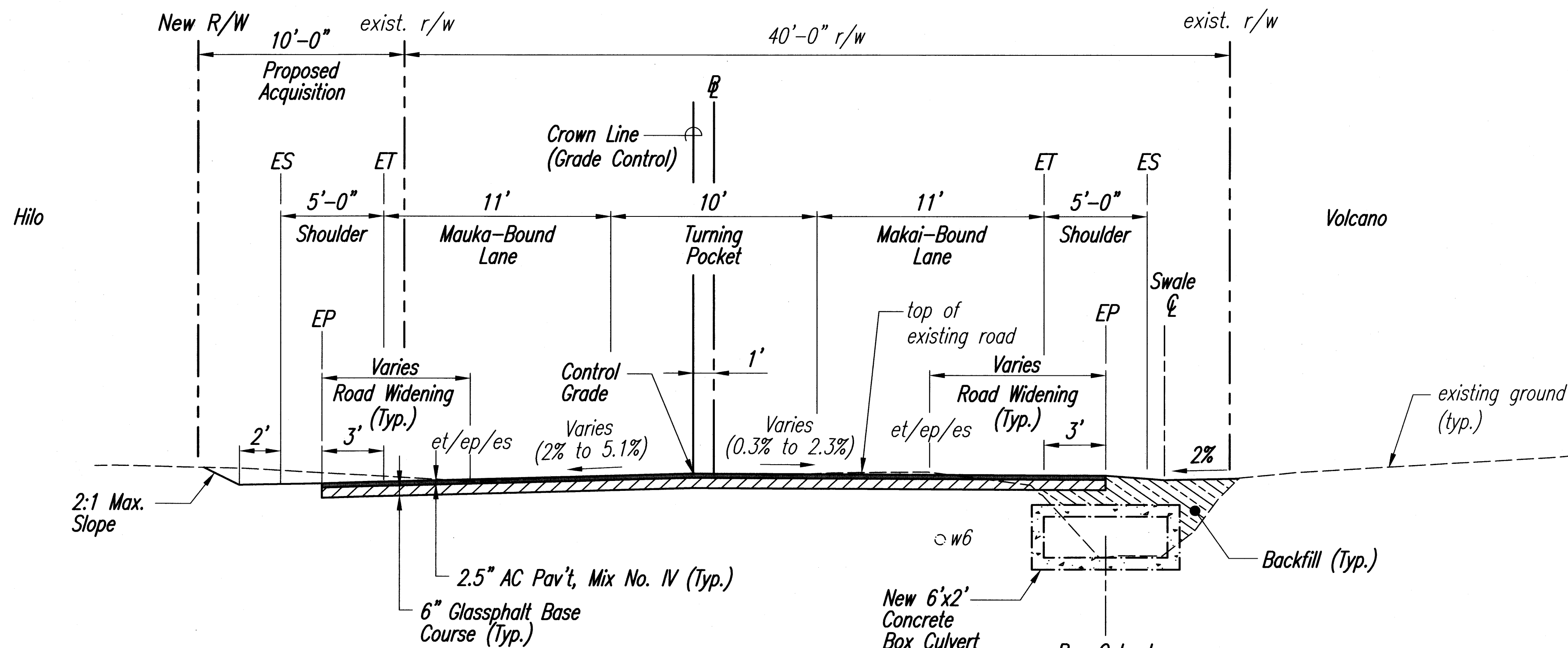
SHEET No. 7 OF 8 SHEETS

"AS-BUILT"

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HS-STP-011-2(38)	2010	27	141



**NORTH KULANI ROAD**  
Scale: 1" = 4'-0"



**SOUTH KULANI ROAD**  
Scale: 1" = 4'-0"

- Notes:**
- See Structural Drawings for Box Culvert Details.

ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	
DRAWN BY	
DESIGNED BY	
CHECKED BY	
NOTED BY	
QUANTITIES BY	
NO.	

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

STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION  
**TYPICAL SECTIONS**  
**Volcano Road Intersection and Drainage Improvements**  
**Federal-Aid Project No. HS-STP-011-2(38)**  
 Scale: 1"=4' Date: November 2010  
 SHEET No. 8 OF 8 SHEETS

