

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HIE-01-11M	2012	11	49

AIEA STREAM CURVE DATA

$\Delta = 56^{\circ} 21' 18''$
 $\Delta/2 = 28^{\circ} 10' 39''$
 $R = 197.13'$
 $T = 105.60'$
 $C = 186.17'$
 $L = 193.89'$

SHOTCRETE WALL CURVE DATA

C-1
 $\Delta = 27^{\circ} 12' 03''$
 $\Delta/2 = 13^{\circ} 36' 1.5''$
 $R = 47.97'$
 $T = 11.62'$
 $C = 22.56'$
 $L = 22.77'$

C-2
 $\Delta = 28^{\circ} 41' 15''$
 $\Delta/2 = 14^{\circ} 20' 37.5''$
 $R = 47.97'$
 $T = 12.26'$
 $C = 23.77'$
 $L = 24.02'$

C-3
 $\Delta = 12^{\circ} 26' 21''$
 $\Delta/2 = 6^{\circ} 13' 10.5''$
 $R = 50.00'$
 $T = 5.45'$
 $C = 10.83'$
 $L = 10.86'$
 TMK: 9-9-042: 059
 (Weinberg, H & J Foundation)

C-4
 $\Delta = 17^{\circ} 42' 51''$
 $\Delta/2 = 8^{\circ} 51' 25.5''$
 $R = 47.97'$
 $T = 7.48'$
 $C = 14.77'$
 $L = 14.83'$

Begin Shotcrete Wall Sta. 304+89±, o/s 7.21± Lt.
 = End TRM

Begin Project Sta. 304+80±, o/s 7± Lt.
 = Begin TRM

PC Sta. 304+50.00
 5577.44 N
 -6955.49 E

Shotcrete Pad Meet HMAP

Shotcrete Wall and Pad

HMAP Meet Exist.

Bottom of Wall

Top of Wall

R/W

STA. AD-1
CUT
ELEV.=59.

End Project Sta. 306+63±, o/s 20± Lt.
 = End Shotcrete Wall

Shotcrete Wall Sta. 306+48±, o/s 16± Lt.
 Meet Exist. Culvert Wingwall

PT Sta. 306+43.88
 5760.08 N
 -6991.57 E

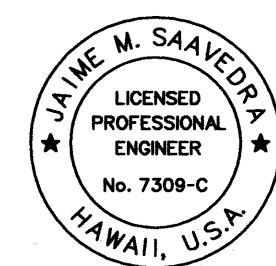
NOTE:
 Prior to any wall construction work Contractor shall
 stake-out location and elevation of Shotcrete Bottom
 Wall and Top Wall as accepted by Engineer.

exist. street mon.
 5659.31 N
 -7040.16 E

1"=10'
 SCALE IN FEET

DATE	_____
SURVEY PLOTTED BY	_____
DESIGNED BY	_____
TRACED BY	_____
NOTE BOOK	_____
QUANTITIES BY	_____
CHECKED BY	_____

L:\SSWMP-Aiea Stream Erosion Control\Cadd\Sheets\A-1.dgn
 11/18



THIS WORK WAS PREPARED BY ME
 OR UNDER MY SUPERVISION.
 SIGNATURE: *Jaime M. Saavedra*
 EXPIRATION DATE OF THE LICENSE: 04/30/12

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**SHOTCRETE WALL
ALIGNMENT PLAN**

INTERSTATE ROUTE H-1
AIEA STREAM EROSION CONTROL
Project No. HIE-01-11M

Scale: 1"=10' Date: September 2011

SHEET No. A-1 OF 1 SHEETS