

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	11M-01-00	2002	C.O. ADD. 43	65

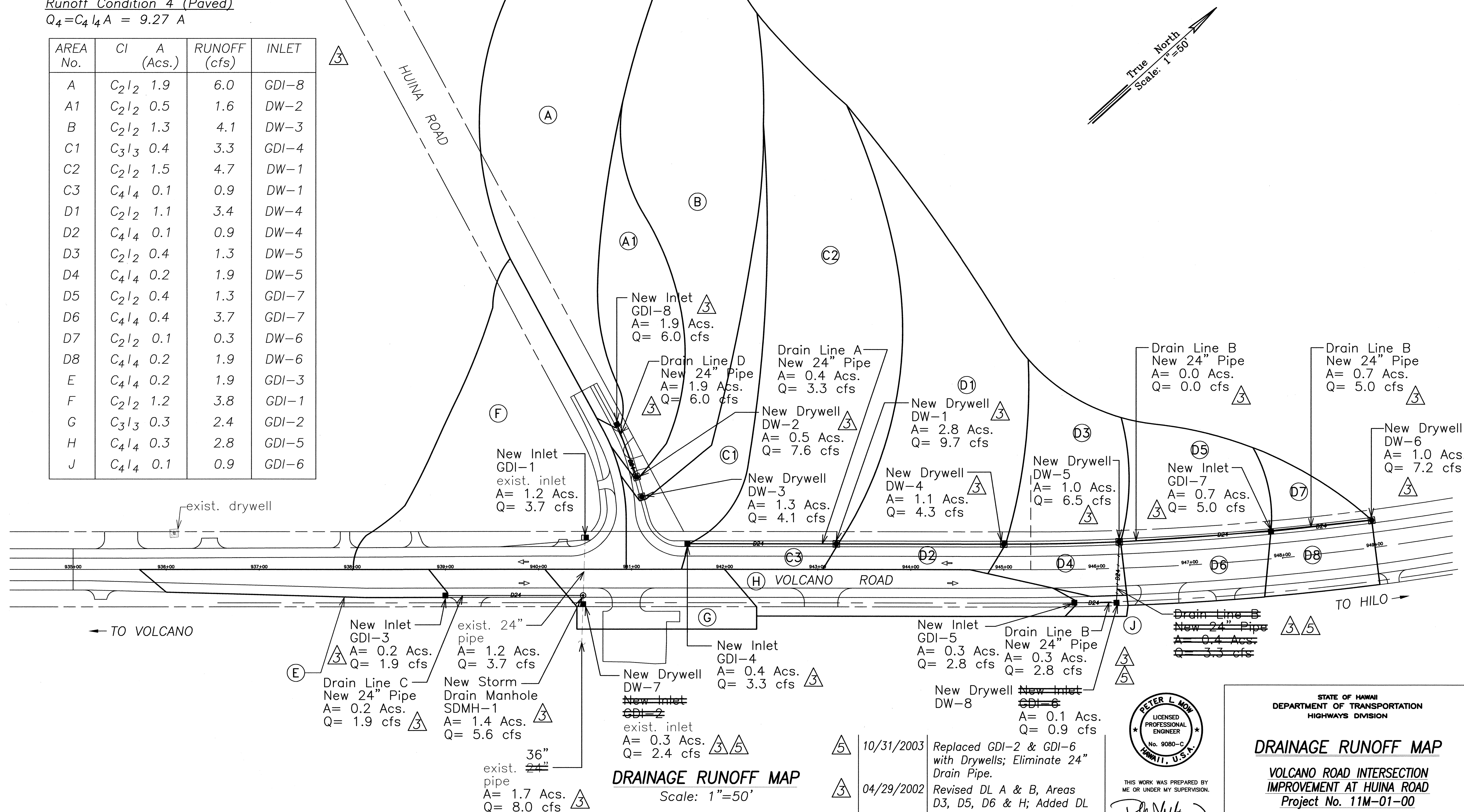
Runoff Condition 1
 $Q_1 = C_1 I_1 A = 2.24 \text{ A}$

Runoff Condition 2
 $Q_2 = C_2 I_2 A = 3.14 \text{ A}$

Runoff Condition 3
 $Q_3 = C_3 I_3 A = 8.17 \text{ A}$

Runoff Condition 4 (Paved)
 $Q_4 = C_4 I_4 A = 9.27 \text{ A}$

AREA No.	CI	A (Ac.)	RUNOFF (cfs)	INLET
A	$C_2 I_2$	1.9	6.0	GDI-8
A1	$C_2 I_2$	0.5	1.6	DW-2
B	$C_2 I_2$	1.3	4.1	DW-3
C1	$C_3 I_3$	0.4	3.3	GDI-4
C2	$C_2 I_2$	1.5	4.7	DW-1
C3	$C_4 I_4$	0.1	0.9	DW-1
D1	$C_2 I_2$	1.1	3.4	DW-4
D2	$C_4 I_4$	0.1	0.9	DW-4
D3	$C_2 I_2$	0.4	1.3	DW-5
D4	$C_4 I_4$	0.2	1.9	DW-5
D5	$C_2 I_2$	0.4	1.3	GDI-7
D6	$C_4 I_4$	0.4	3.7	GDI-7
D7	$C_2 I_2$	0.1	0.3	DW-6
D8	$C_4 I_4$	0.2	1.9	DW-6
E	$C_4 I_4$	0.2	1.9	GDI-3
F	$C_2 I_2$	1.2	3.8	GDI-1
G	$C_3 I_3$	0.3	2.4	GDI-2
H	$C_4 I_4$	0.3	2.8	GDI-5
J	$C_4 I_4$	0.1	0.9	GDI-6



DRAINAGE RUNOFF MAP
Scale: 1"=50'

Date	Revision
10/31/2003	Replaced GDI-2 & GDI-6 with Drywells; Eliminate 24" Drain Pipe.
04/29/2002	Revised DL A & B, Areas D3, D5, D6 & H; Added DL C & D; Deleted Area K



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
Peter L. Mow
ENGINEERS SURVEYORS HAWAII, INC.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE RUNOFF MAP

VOLCANO ROAD INTERSECTION IMPROVEMENT AT HUINA ROAD
Project No. 11M-01-00

Scale: 1" = 50' Date: Oct 2003
SHEET No. 1 OF 1 SHEETS

C.O. ADD. 43