

Attachment B- Drainage Calculations

Site	DRAINAGE AREA LABEL	Q	C	I (in/hr)	A (ac)
PALAILAI CCTV	DA-1	1.22	0.42	3.85	0.75
	DA-2	2.20	0.45	3.41	1.43
KUALAKAI VMS	DA-1	0.43	0.66	6.18	0.11
	DA-2	3.73	0.60	3.56	1.73
	DA-3	2.49	0.51	3.33	1.47
	DA-4	0.63	0.51	4.63	0.27
KUALAKAI CCTV	DA-1	3.08	0.47	4.28	1.54
KUNIA WEST CCTV	DA-1	8.93	0.40	5.28	4.20
KAMEHAMEHA CONDUIT					
KAMEHAMEHA HIGHWAY PORTION	DA-1	0.38	0.40	6.13	0.15
	DA-2	0.55	0.40	5.60	0.25
	DA-3	1.13	0.95	8.93	0.13
	DA-4	0.92	0.95	8.93	0.11
	DA-5	0.95	0.95	9.28	0.11
	DA-6	4.81	0.91	7.35	0.72
	DA-7	6.44	0.87	7.00	1.05
	DA-8	1.46	0.40	4.90	0.74
	DA-9	2.16	0.74	8.23	0.36
	DA-10	4.09	0.64	6.83	0.94
KALANIANA'OLE HIGHWAY PORTION	DA-11	0.76	0.76	6.83	0.15
	DA-12	6.27	0.77	8.40	0.97
	DA-13	2.65	0.95	8.58	0.33
KINAU CONDUIT	DA-1	0.63	0.95	8.55	0.08
	DA-2	0.25	0.89	8.55	0.03
	DA-3	1.48	0.77	8.55	0.22
	DA-4	0.24	0.47	4.84	0.11
	DA-5	0.25	0.44	5.18	0.11
SPOT SPEED READER 3		0.82	0.58	5.40	0.26
SPOT SPEED READER 4	DA-1	0.77	0.57	4.84	0.28

TOTAL

59.74 cfs

18.59 acres