

DRAINAGE SYSTEM

DRAINAGE SYSTEM																														FED. ROAD DIST. No. STATE FED. AID PROJ. No. FISCAL YEAR SHEET No. TOTAL SHEETS HAWAII HAW. 5-06904 1950 16 47						
59(76) 59(78) 59A															59(76) 59(78) 59A																					
ITEM NO.															ITEM NO.																					
ITEM															ITEM																					
UNIT USED															UNIT USED																					
DRAINAGE - SECTION "A"															DRAINAGE - SECTION "B"																					
Sta. 66+37 Lt. Install 38.0 l.f. 24"-16 Gauge CGM Spillway, 1-CDI		8.9 7		2.5 2.4	1.2 1.6	37 39				50.5 38					Sta. 5+75 Const. Std. Type D C.B. Connect to Existing 30" CGM Pipe		24.3 22		6.4 6.1		102 77															
Sta. 67+15 Rt. Install 295.0 l.f. 24"-16 Gauge CGM Spillway		43.6		0.7 0.6		12 8				26.1 260					Sta. 9+56 Lt. 1-Std. CDI, Connect to Existing 30" CGM Pipe		8.1 2	10		2.7 2.3																
Sta. 90+82 Rt. Install 12.0 l.f. 24"-16 Gauge CGM Spillway		4.7 +		3.0 2.9		37.4 39				0 12			2		Sta. 9+50 Rt. Install 65.0 l.f. 24"-14 Gauge CGM Pipe, Construct 1-Type E C.B., 1-Type B C.B.		66 45		8.4 10.7		208.9 219	65				1	1									
Sta. 91+60 Lt. Install 12.0 l.f. 24"-16 Gauge CGM Spillway		1.6 +		1.2 0.6		8				10 12					Sta. 17+00 Rt. Install 32.0 l.f. 24"-16 Gauge CGM Spillway		4.1 3		3.3 2.9		37.4 39				10 32			2								
Sta. 95+58 Rt. Install 10.0 l.f. 24"-16 Gauge CGM Spillway		4.1 +		2.9		0 39				10			100		Sta. 19+05 Lt. Install 80 l.f. 24"-16 Gauge CGM Spillway		2.4 +		1.2		8				6.4 8											
Sta. 102+75 Lt. Install 26.0 l.f. 24"-16 Gauge CGM Spillway		10.8 2		1.2		8				28 26					Sta. 21+00 Rt. Install 38.0 l.f. 24"-14 Gauge CGM Pipe, 80.0 l.f. 24"-16 Gauge CGM Spillway, 1-Elbow, Construct 2-Type C C.B.		45.7 64		10.3 12.6		216 40		80	2												
Sta. 106+50 Rt. Install 12.0 l.f. 24"-14 Gauge CGM Pipe, 18.0 l.f. 24"-16 Gauge CGM Spillway, 1-Elbow, Construct 1-Type C B.		22.4 51		5.1 6.6		108 14	8.6 14			24 18		1			Sta. 25+18 Rt. Install 46.0 l.f. 24"-14 Gauge CGM Pipe, Construct 1-Type E C.B.		17.8 12		3.3 3.6		100.9 111	40 46			1											
Sta. 119+70 Rt. Install 78.0 l.f. 24"-14 Gauge CGM Pipe, Construct 1-Type E C.B.		66.5 40		3.0 3.6		101 111	70				1				Sta. 25+45 Lt. Install 145.0 l.f. 24"-16 Gauge CGM Spillway, 1-Elbow, 1-Wye		24.7 4		1.7 1.2		8		38.9 45													
Sta. 120+20 Lt. Install 42.0 l.f. 24"-16 Gauge CGM Spillway		26.4 4		0.6	0.8	8				40 42					Sta. 25+50 Lt. Install 45.0 l.f. 24"-16 Gauge CGM Spillway, Construct 1-Type C C.B.		50.2 2		5.1 6.6		108 63			1												
Sta. 120+30 Lt. Install 122.0 l.f. 24"-14 Gauge CGM Pipe, Const. 1-CDI, 1-Wye		56.5 62		6.0	1.5 1.6	108 14	58 65				1				Sta. 33+50 Rt. Install 40.0 l.f. 24"-16 Gauge CGM Spillway, Construct 1-CDI		2.3 3	23.3 37	0.8 0.6	0.6 1.6	8		25 40													
Sta. 120+30 to 122+35 Lt. 90"± Construct Open Ditch		18	65.7	6.0		108					+				Sta. 34+00 Rt. Install 44.0 l.f. 24"-14 Gauge CGM Pipe, 78.0 l.f. 24"-16 CGM Spillway, 1-Elbow, Construct 1-Type B C.B.		53.3 54		5.6 6.6		108 46	47 46	62 72	1												
Sta. 122+35 to 122+65 Lt. 90"± Construct 45.0 L.F. Concrete Lined Ditch			18.6 70	0.6	6.6										Sta. 34+24 Lt. Install 30 l.f. 24"-16 Gauge CGM Spillway		3.5 +		6.1 2.9		142.4 39			7.6 9			2									
Sta. 122+88 Lt. Install 55.0 L.F. 24"-16 Gauge CGM Spillway		2.9	25	1.1	8.0					50					Sta. 38+70 Lt. Install 7.0 l.f. 24"-16 Gauge CGM Spillway		0.8 +		1.8 1.2		62.1 2			7.3 7												
Sta. 122+88 Rt. Install 60.0 L.F. 24"-16 Gauge CGM Spillway		3.1 5		1.2 0.6						54 55					Sta. 39+00 Rt. Install 100 l.f. 24"-16 Gauge CGM Spillway, Construct 1-CDI		4.7 +	10	2.5 2.4	0.7 1.6	37.4 39			9.2 10			2									
Sta. 105+00 Const. Std. Type C" C.B. Connect to Existing 24" Corr. Metal Pipe		15.9 5		5.5 0.6			108			60		1			Sta. 43+10 Rt. Install 120 l.f. 24"-16 Gauge CGM Spillway, 1-Wye Connection		1.8 +		0.5 2.4		0 39			0 12			0 2									
INTERSECTION DRAINAGE SYSTEM "A"		86.6 167	27.7 46	17 19.0		442 419	198 208	1			1 2		2		Sta. 43+15 Rt. Install 142.0 l.f. 24"-14 Gauge CGM Pipe, 10.0 l.f. 24"-16 Gauge CGM Spillway, 1-Elbow, Construct 1-Type C C.B., 1-CDI		41.1 38		5.3 6.0	0.9 1.6	108 60	64 60	10 10			1										
															Sta. 43+15 Lt. Install 14.0 l.f. 24"-16 Gauge CGM Spillway		2 +		1.2		8			12 14												
															Sta. 48+65 Lt. Install 15.0 l.f. 24"-16 Gauge CGM Spillway, Const. 1-CDI		2.3 40	113 40	0.8 0.6	0.3 1.6	8	10		12.1 15												
															Sta. 49+50 Rt. Install 148.0 l.f. 24"-16 Gauge CGM Spillway		28.7 4		2.5 2.4		37.4 39			48			2									
INTERSECTION DRAINAGE SYSTEM "B"		70.9 57		4.6 6.0	2.1 1.7	112 111	133				1				Sta. 50+00 Rt. Install 146.0 l.f. 24"-14 Gauge CGM Pipe, 80.0 l.f. 24"-16 Gauge CGM Spillway, 1-Wye, Construct 1-Type C C.B.		35.4 56		5.6 6.6		108 50	48 50	80.5 83		1											
															Sta. 54+91 Rt. Install 67.0 l.f. 24"-14 Gauge CGM Pipe, Construct 2-Type C C.B.		80.1 101		10.1 12.0	1.6	216 67			2												
															Sta. 58+75 Rt. Install 24.0 l.f. 24"-14 Gauge CGM Pipe, Construct 1-Type C C.B., 1-Type D C.B., 1-CDI		66.3 84		0.6 1.00	1.6	185 84			2												
STA. 34+08 KAMEHAMEHA HIGHWAY		17.7 17		3.6 4.9		77					1																									
TOTAL		442.6 438	112 141	50.3 64.5	12.2 12.9	1,150.4 1,191	167.6 196	1		527.5 533	1	6 7	4 6	2	TOTAL		555.6 506	54.6 37	91.8 92.8	8.4 11.9	1,817.5 1,699	520.5 521		399 485	2	12	8 10									
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