FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	37CD-01-02M	2002	66	68

DRAINAGE SUMMARY

KULA HIGHWAY REPAIRS AND MAINTENANCE
DISTRICT OF MAKAWAO
PROJECT NO. : 37CD-01-02M

ITEM NO.		206 2020	206 7230	503 0020	508 0100	603 2080	603 2086	603 2088	603 2092	604 5000	612 0200
UNIT USED		C.Y.	C.Y.	C.Y.	C.Y.	L.F.	L.F.	L.F.	L.F.	EA.	C.Y.
STRUCTURE	STATION	Structure Excavation for Drainage System	Structure Backfill for Wingwalls	Concrete for Drainage Systems (Class A)	Cement Rubble Masonry Headwall	18-Inch CMP	30-Inch CMP	36-Inch CMP	48-Inch CMP	61614B Grated Drop Inlet, 4.00 ft. to 4.99 ft.	Grouted Rubble Paving Slope Protection
Extend 18" CMP	-102+20.3	1	1		5	6					
Extend 36" CMP	-76+97.4	2	1					5		1	
CRM Headwall	-26+35.8	2	1		10						
Raise Exist. Inlet Frame	-9+96.3										
CRM Headwall	6+31.0	27	2	10							
CRM Headwall	17.48.8	12	4		24						
CRM Headwall	23+60.7	37	11	12							
Extend 48" CMP	47+95.0	12	6		12				5		3
Extend 30" CMP	65+12.3		4		7		6				
CRM Headwall	175+56.3		3		25						
CRM Headwall	188+19.7	1	3		13						
CRM Headwall	240+39.2	2	5		20						
CRM Headwall	245+87.2	1	3		20						
CRM Headwall	261+26.1		7		20						
CRM Headwall	271+66.6	2	13		25						
CRM Headwall & Apron	309+45.1	1	1		18						

ORIGINAL PLAN
NOTE BOOK
N.
SURVEY PLOTTED BY
DRAWN BY
TRACED BY
DESIGNED BY
QUANTITIES BY
CHECKED BY
DATE

COREY H. KOGASAKA
LICENSED PROFESSIONAL ENGINEER
No. 9971-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.

DATE: 5/6/02

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE SUMMARY

KULA HIGHWAY
REPAIR AND MAINTENANCE
PROJECT NO. 37CD-01-02M

Scale: N/A Date: May, 2002

SHEET No. 1 OF 1 SHEETS