

DRAINAGE SUMMARY

PROJECT : KEA'AU - PAHOA ROAD

PROJECT NO. : 130B-01-92

SPECIFICATION NO.		206	503	508	602	603	603	603	604	604	604		206	604	604		612	653		710	
UNIT USED		C.Y.	C.Y.	C.Y.	L.B.	C.Y.	L.F.	L.F.	E.A.	E.A.	E.A.		L.F.	E.A.	E.A.		C.Y.	C.Y.		L.F.	
STRUCTURE	STATION	Structure Excavation for Drainage System	Class A Concrete for Drainage System	Cement Rubble Masonry	Reinforcing Steel for Drainage System	Bed Course Material for Culvert	24 inch RCP, Cl. III or 24 inch CAP, 12 GA. or 24 inch ASRP, 12 GA. or 24 inch HDPE, Type C or S	30 inch RCP, Cl. III or 30 inch CAP, 12 GA. or 30 inch ASRP, 12 GA. or 30 inch HDPE, Type C or S	Type 61614 G.D.I. 4.00 ft. to 4.99 ft.	Type 61614 G.D.I. 5.00 ft. to 5.99 ft.	Type 61614 G.D.I. 6.00 ft. to 6.99 ft.		Structure Excavation for Drywell/Drywell Rings & Footings	Type 61614 Drywell Cover	Type 61214-B Drywell Cover		Grouted Rubble Paving Slope Protection	Dumped Riprap		Chain Link Fence	
BYPASS ROAD																					
Drywell w/ Type 61614 Grate and Cover	86+00												24	1							
Type 61614 G.D.I, Culvert, Std. CRM Structure H-16	89+95	102		3.0		13	63		1									10			
Type 61614 G.D.I, Culvert, Std. CRM Structure H-16	94+10	181		8.6		30		124		1								7.5			
Std. CRM Structure H-16, Culvert	95+89.13	228		8.6		28		125										8.9			
Type 61614 G.D.I, Culvert, Std. CRM Structure H-16	98+50	54		3.0		14	66		1									5.2			
Type 61614 G.D.I, Culvert, Std. CRM Structure H-16	103+50	58		3.0		14	70		1									5.2			
Type 61614 G.D.I, Culvert	105+30	69				18	82		1												
Triple 12'x8' Box Culvert, Wing Walls	106+00	4,665	470	7.8	93,815												60	233		180	
Type 61614 G.D.I, Culvert	106+12.76	83				17	78			1											
Type 61614 G.D.I, Culvert, Std. CRM Structure H-16	106+95	111		3.0		16	76				1							13.5			
Type 61614 G.D.I, Culvert, Std. CRM Structure H-16	109+00	95		3.0		13	60		1									11.0			
Totals		5,646	470	40.0	93,815	163	495	249	5	2	1		24	1			60	294.3		180	

ORIGINAL PLAN
DATE
SURVEY PLOTTED BY
DRAWN BY
TRACED BY
DESIGNED BY
NOTED BY
QUANTITIES BY
CHECKED BY



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.
Nancy E. Burns
DATE: 8/8/97

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
DRAINAGE SUMMARY
BYPASS ROAD
KEA'AU-PAHOA ROAD VICINITY OF
KEA'AU TOWN (KEA'AU BYPASS ROAD)
PROJECT NO. 130B-01-92, PHASE 1
Scale: NTS Date: May, 1997