

Item No.	Estimated Quantity	Description	Unit Price	Total
I. MASS GRADING				
The prices bid herein for the following items shall include furnishing all materials, labor, tools, equipment, machinery and all incidentals necessary to install or to construct these items in place complete, all in accordance with the plans and specifications.				
1	16,520	Acres, Clearing and Grubbing of subdivision site, including removal of debris and grubbed material from the site.	Per Acre \$	\$
2	79,390	Cu. yds., Unclassified Mass Excavation for Roadways and Lots including removal and disposal of uncompacted fill and expansive soils, and placement compaction and grading of the suitable excavated material placed 4.0 below lot finish grade and 3.0 feet below residential street pavement section.	Per Cu. Yd. \$	\$
3	82,815	Cu. yds., Mass Embankment.	Per Cu. Yd. \$	\$
4	59,340	Sq. yds., Fine Grading of lot areas.	Per Sq. Yd. \$	\$
5	3,425	Cu. yds., Imported low-expansion impermeable borrow fill, in place complete.	Per Cu. Yd. \$	\$
6	620,010	Sq. Ft., Hydromulch with seeds for grassing of slope banks, including ditches, berms and silting basins.	Per Sq. Ft. \$	\$
7	1,756	Lin. Ft., Dust Screen & Silt Fence combination, in place complete.	Per Lin. Ft. \$	\$
8	1,284	Lin. Ft. Silt Fence, in place complete.	Per Lin. Ft. \$	\$
9	1,452	Lin. Ft., Dust Screen, in place complete.	Per Lin. Ft. \$	\$

19	L.S.	Connection to existing Ioane Road including smooth riding connection to the existing pavement.	Lump Sum	\$
20	300	Sq. Yds., Aggregate Base Course, 8 inches thick (Ioane Road).	Per Sq. Yd.	\$
21	300	Sq. Yds., 2 and 1 1/2 inches Asphaltic Concrete Pavement, State Mix V including cold planing (Ioane Road).	Per Sq. Yd.	\$
22	8	Each, Standard County of Kauai, street centerline monument.	Per Each	\$
23	27	Each Asphalt Drain Inlet Aprons.	Per Each	\$
24	27	Each Drain Inlet Subdrain.	Per Each	\$
SUB-TOTAL FOR ROADWAY (Items 14 to 24 inclusive)				\$

III. DRAINAGE SYSTEM

The prices bid herein for the following items shall include furnishing all labor, equipment, tools, materials and all incidental work necessary to construct the drainage system in place complete, including excavating for catch basins and manholes, trenching for pipes, removing and disposing of unsuitable material and replacing with select material for pipe cushion, sheeting and shoring as required, backfilling, all in accordance with the plans and specifications.

25	3,190	Cu. Yds., Unclassified excavation for drain lines, catch basins, drain manholes, concrete ditch, inlets, and including backfill and pipe cushion.	Per Cu. Yds.	\$
26	80	Lin. Ft., 42" HDPE.	Per Lin. Ft.	\$
27	614	Lin. Ft., 36" HDPE.	Per Lin. Ft.	\$

28	523	Lin. Ft., 30" HDPE.	Per Lin. Ft.	\$	\$
29	351	Lin. Ft., 24" HDPE.	Per Lin. Ft.	\$	\$
30	1,474	Lin. Ft., 18" HDPE.	Per Lin. Ft.	\$	\$
31	4	Each, Type G2 Drain Inlet, 4'-4.99'. (top to invert of pipe)	Per Each	\$	\$
32	3	Each, Type G4 Drain Inlet, 6'-6.99'. (top to invert of pipe)	Per Each	\$	\$
33	1	Each, Type G4 Drain Inlet, 9'-9.99'. (top to invert of pipe)	Per Each	\$	\$
34	13	Each, Type G4 Drain Inlet, 4'-4.99'. (top to invert of pipe)	Per Each	\$	\$
35	6	Each, Type G4 Drain Inlet, 5'-5.99'. (top to invert of pipe)	Per Each	\$	\$
36	1	Each, Field Inlet, 6' (top to invert of pipe).	Per Each	\$	\$
36a	2	Each, Field Inlet, 10' (top to invert of pipe).	Per Each	\$	\$
36b	535	Lin. Ft., Concrete Swale/Ditch, 4" Thick Shotcrete	Per Lin. Ft.	\$	\$
37	1,564	Lin. Ft., Subdrain.	Per Lin. Ft.	\$	\$
38	3	Each, Drain Manhole.	Per Each	\$	\$
39	3	Each, Connect to existing Drain Inlet.	Per Each	\$	\$
40	3	Each, Temporary Drain Outlet with GRP lining.	Per Each	\$	\$

52	1	Lump Sum, Traffic control work including traffic control devices, special duty police officers, flag men, placement and removal of devices, cleanup, restoration and incidentals per the effective traffic control plans.	Lump Sum	\$
SUB-TOTAL FOR TRAFFIC (Items 42 to 52 inclusive)				\$

V. 8 INCH WATERLINE (OFFSITE)

The prices bid herein for the following items shall include furnishing all labor, equipment, tools materials and all incidental work necessary to construct the water system in place complete, including excavating for water lines and appurtenances, pipe cushion, backfilling, sheeting and shoring as required, all in accordance with the plans and specifications.

53	210	Cu. yds., Unclassified excavation for water mains and appurtenances, including backfill, and pipe cushion (high resistance cushion material).	Per Cu. Yd.	\$	\$
54	531	Lin. ft., 8-inch Ductile iron pipe, Class 52 including bonded tape coating (include restraint joint pipe).	Per Lin. Ft.	\$	\$
55	4	Each, 8-inch Gate Valve including bonded tape coating.	Per Each	\$	\$
55a	1	Each, 6-inch Gate Valve including bonded tape coating.	Per Each	\$	\$
56	6	Each, Standard C.I. valve box and cover.	Per Each	\$	\$
57	490	Pounds, Cast iron fittings including bonded tape coating.	Per Lb.	\$	\$
		1 - 8" x 6" Tee, MJ @175		175	
		2 - 8" V8 Bend MJ @125		250	
		1 - 6" Solid Sleeve @65		65	
		TOTAL		490	
58	2	Each, 8" Megalug.	Per Each	\$	\$
59	5	Each, Class "B" concrete for reaction blocks, gate valve anchor blocks, etc.	Per Each	\$	\$
59a	3	Each, Class "B" concrete for reaction block with structural strut.	Per Each	\$	\$

60	112.35	Lin. Ft., Directional Drill.	Per Lin. Ft.	\$	\$
61	1	Each, Connection to existing 6-inch main.	Per Each	\$	\$
62	2	Each, Connection to existing 8 inch service main.	Per Each	\$	\$
63	2	Each, Cut and Plug existing 6-inch main.	Per Each	\$	\$
64	1	L.S. Remove existing fittings, 6" gate valve, air release valve.	Lump Sum		\$
65	L.S.	Flushing, testing and chlorination of the entire system.	Lump Sum		\$
66	L.S.	Temporary Erosion Control.	Lump Sum		\$
SUB-TOTAL FOR 8 INCH WATERLINE (OFFSITE) (Items 53 to 66 inclusive)					\$

VI. SEWER SYSTEM

The prices bid herein for the following items shall include furnishing all labor, equipment, tools materials and all incidental work necessary to construct the sewer system in place complete, including excavating for pipes and manholes, crushed rock cradle, rungs, frame and cover for manholes, sheeting and shoring as required, backfilling, all in accordance with the plans and specifications.

67	1,350	Cu. Yds., Unclassified excavation for sewer lines, cradles and manholes, including backfill and manhole seals.	Per Cu. Yds.	\$	\$
68	2,126	Lin. Ft., 8" PVC pipe.	Per Lin. Ft.	\$	\$
69	821	Lin. Ft., 6" PVC pipe.	Per Lin. Ft.	\$	\$
70	51	Each, Install clean out to grade.	Per Each	\$	\$
71	2	Each, Temporary 8" plug.	Per Each	\$	\$
72	1	Each, Connect to existing.	Per Each	\$	\$
73	7	Each, Standard plain manhole, 7' - 7.99'.	Per Each	\$	\$

74	2	Each, Standard plain manhole, 8' - 8.99'.	Per Each	\$	\$
75	2	Each, Standard plain manhole, 9' -9.99'.	Per Each	\$	\$
76	1	Each, Standard plan manhole, 10' – 10.99'.	Per Each	\$	\$
77	L.S.	Connection new 8" sewer to existing SMH.	Lump Sum		\$

SUB-TOTAL FOR SEWER SYSTEM (Items 67 to 77 inclusive)

\$

VII. WATER SYSTEM (ONSITE)

The prices bid herein for the following items shall include furnishing all labor, equipment, tools materials and all incidental work necessary to construct the water system in place complete, including excavating for water lines and appurtenances, pipe cushion, backfilling, sheeting and shoring as required, all in accordance with the plans and specifications.

78	1,640	Cu. Yds., Unclassified excavation for water mains and appurtenances, including backfill and pipe cushion.	Per Cu. Yds.	\$	\$
79	2,641	Lin. Ft., 8" Ductile iron pipe, CL 52.	Per Lin. Ft.	\$	\$
80	104	Lin. Ft., 6" Ductile iron pipe, CL 52.	Per Lin. Ft.	\$	\$
81	2,689	Lbs., Ductile Iron Fittings.	Per Lb.	\$	\$
		3 - 8" TEE FE @168		504	
		7 - 8" x 6" TEE, M.J. @175		1,225	
		6 - 8" 1/16 BEND, M.J. @110		660	
		2 - 8" 1/32 BEND, M.J. @104		208	
		2 - 6" 1/6 BEND, M.J. @71		142	
		2 – 8" x 4" TEE MJ x FE @150		300	
		TOTAL		3,039	
82	9	Each, 8" Gate valve, Class 150.	Per Each	\$	\$
83	7	Each, 6" Gate valve, Class 150.	Per Each	\$	\$

84	3	Each, 3/4" Air release valve including stand pipe and all appurtenances.	Per Each	\$	\$
85	7	Each, Fire Hydrant.	Per Each	\$	\$
86	25	Each, Double Service Lateral.	Per Each	\$	\$
87	1	Each, Single Service Lateral.	Per Each	\$	\$
88	2	Each, 8" Megalug.	Per Each	\$	\$
89	2	Each, Blow Off.	Per Each	\$	\$
90	7	Each, Blue reflector FH pavement marker.	Per Each	\$	\$
91	16	Each, Cast iron valve box & cover.	Per Each	\$	\$
92	28	Each, Class "B" concrete for reaction blocks, gate valve anchor blocks, etc.	Per Each	\$	\$
93	1	Each, Class "B" concrete for top vertical thrust block	Per Each	\$	\$
94	4	Each, 8" Cap tapped for 2-1/2" I.P.T. w/ 2-1/2" Cleanout assembly.	Per Each	\$	\$
95	165	Lin. Ft., Reinforced concrete jacket for 8" water main.	Per Lin. Ft.	\$	\$
96	20	Lin. Ft., Reinforced concrete jacket for 6" water main.	Per Lin. Ft.	\$	\$
97	11	Lin. Ft., Reinforced concrete jacket for 8" sewer line.	Per Lin. Ft.	\$	\$
98	L.S.	Connect new 8" water main to existing 8" water main.	Lump Sum		\$
99	L.S.	Chlorination and testing of the entire system.	Lump Sum		\$